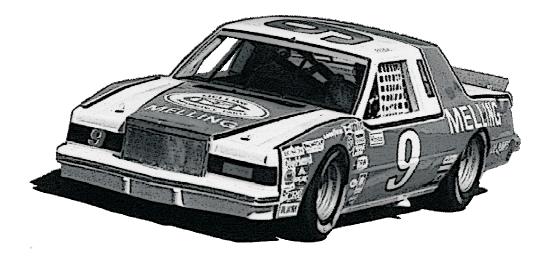


# **PREMIUM PERFORMANCE PARTS** *WARRANTY DISCLAIMER*

DUE TO INTENDED USAGE OF PERFORMANCE APPLICATIONS, THE PARTS IN THIS CATALOG ARE SOLD WITHOUT ANY EXPRESS WARRANTY OR IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR THE INTENDED PURPOSE. INSTALLATION OF PARTS INTENDED FOR "OFF HIGHWAY" USE. INSTALLATION OF THESE PARTS COULD AFFECT THE VEHICLE MANUFACTURER WARRANTY COVERAGE.

The Melling engine Parts warranty does not consider low or no oil pressure grounds for extensive engine repairs nor complete replacement of damaged engines. This consideration is based on the fact that all vehicles have as standard equipment, either warning lights or gauges, which is to warn the operator of low oil pressure, low oil level or no oil pressure prior to the occurrence of the engine damage. If an operator chooses to ignore these gauges or warning lights or if the gauges or warning lights are not in operating condition, this constitutes negligence on the operators part. Therefore Melling Engine Parts cannot be responsible for the cost of these extensive damages.

NOTE: it is illegal to use Melling performance camshafts in vehicles that are operated on the public streets and highways of California. Various other federal and state laws may limit the use of these camshafts to "off highway" applications only. Check current state and federal laws to be sure.





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# **KEY TO ABBREVIATIONS**

ADD'L	ADDITIONAL	H.D.	HEAVY DUTY	SPEC	SPECIAL
ALUM.	ALUMINUM	HI	HIGH	STD	STANDARD
BRG.	BEARING	HO	HIGH OUTPUT	VEL	VELOCITY
COMP.	COMPRESSION	HT	HEIGHT	VOL	VOLUME
CYL.	CYLINDER	HYD.	HYDRAULIC	<b>W</b> /	WITH
DIA.	DIAMETER	INT	INTAKE	WT	WEIGHT
ENG.	ENGINE	I/S	INTERMEDIATE SHAFT	2BC	2 BARREL CARBURETOR
EXC.	EXCLUDING	MECH	MECHANICAL	4BC	4 BARREL CARBURETOR
EXH.	EXHAUST	0/S	OVERSIZE	6BC	6 BARREL CARBURETOR
FWD	FRONT WHEEL DRIVE	RWD	REAR WHEEL DRIVE		

NOTE: This catalog is consistantly reviewed and compiled from sources we regard as reliable. However, we can not assume any responsibility for errors in identification, suggested application, or interchange listings. All Melling parts described in this catalog are intended for replacement parts only. There is no intent by Melling Engine Parts or Melling Select Performance to represent any item as a product of any OE car manufacturer.



# **GM SMALL BLOCK V-8**

Devi H	Volume	Occilia	Shaft	Screw-in	Provision For	Anti-Cavitation	Associated	Tube Dia.	Pan D	-
Part No.	Increase	Coatings	Support	valve Plug	<b>Bolt-on Screen</b>	Grooves	Screen No.	(Inches)	Min -	
10550	25%	Mag Phosphate					55-S	5/8	7"	7-1/8"
							55-S1	5/8	6-7/8"	
							55-S2	5/8	7-3/4"	
							55-\$3	5/8	7"	7-1/8"
							210S	5/8		9-7/8"
							220\$	5/8	7-1/2"	7-5/8"
10551	25%	Mag Phosphate					155S	3/4		7-3/8"
							211S	3/4	9-7/8"	
							213S	3/4	8-1/8"	8-1/4"
							221\$	3/4	7-3/8"	7-1/2"
							243S	3/4	7-1/2"	7-1/2"
							244S	3/4	7-1/2"	7-5/8"
							245S	3/4	9-7/8"	10"
							251S	3/4		7-5/8"
							258S	3/4	8"	8-1/8"
							259S	3/4	-	
10552	10%	Mag Phosphate	Х	Х	Х		155\$	3/4		7-1/2"
10552C	10%	Mag Phosphate	X	X	X	Х	211\$	3/4	9-7/8"	
105555	25%	Mag Phosphate	X	X	X	^	213\$	3/4		8-3/4"
10555C	25%	Mag Phosphate	X	X	X	Х	2215	3/4	7-5/8"	
103330	2J /0	May i nospitate	X	X	X	X	243\$	3/4		7-5/8"
							2433 244S		7-5/8	
								3/4		
							245S	3/4	10"	10-1/8"
							251S	3/4	7-5/8"	
							258S	3/4		8-3/8"
							259S	3/4		9-3/4"
							12557	3/4	6-3/4"	
							12558	3/4	7-1/4"	
							12559	3/4	8"	8-1/4"*
							12564	3/4	6-7/8"	
							12566	3/4	7-3/8"	7-1/2"**
10553	0%	Mag Phosphate					55-S	5/8	6-3/4"	6-7/8"
							55-S1	5/8	6-5/8"	6-3/4"
							55-S2	5/8	7-1/2"	7-5/8"
							55-\$3	5/8		6-7/8"
							210S	5/8		9-3/8"
							2205	5/8		7-3/8"
10554	0%	Mag Phosphate					155\$	3/4	6-7/8"	
	0 /0	and a noophato					211\$	3/4		9-1/2"
							2135	3/4		7-3/4"
							2133	3/4		7-1/4"
							243\$	3/4 3/4	7"	7-1/4
							2435 244S	3/4 3/4		7-1/4"
							2445 245S			9-1/2"
							2455 251S	3/4	9-3/8 6-7/8"	
								3/4		
							258S	3/4		7-5/8"
10550 35000	050/		N/	¥	NI / A		259S	3/4	8-7/8"	
10550-750SS	25%	Hardcoat Anodize	X	X	N/A		N/A	N/A	N/A	N/A
10055-750SS	0%	Hardcoat Anodize	X	X	N/A		N/A	N/A	N/A	N/A
10550-825SS	25%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
10055-825SS	0%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
10550-700CT	25%	Hardcoat Anodize	Х	Х	N/A		N/A	N/A	N/A	N/A
					N/A		NI/A	NI/A		INI/A
10055-700CT	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10990		Mag Phosphate	Х	Х		Х	241S	3/4	8-3/8"	8-1/2"
	0%		X X X	X X X		Х	241S 305S		8-3/8"	
10990	0% 25%	Mag Phosphate	Х	Х	N/A	Х	241S	3/4	8-3/8" 7-1/2"	8-1/2"

\*Bolt-On Stock Type Pan \*\*Bolt-On Circle Track Pan

NOTE: SCREEN TO PAN CLEARANCE DISTANCE CAN VARY DUE TO PAN GASKET THICKNESS



# **PERFORMANCE OIL PUMPS**

NOTE: MINIMUM 3/8" TO 1/2" SCREEN TO PAN CLEARANCE

# **PONTIAC V-8**

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10540	0%	Mag Phosphate		Х			54-DS	3/4
10541	0%	Mag Phosphate		Х			54-DS	3/4

Do not use the 54-DS screen with an OEM replacement pump.

# GM GEN III & IV 4.8L, 5.3L • LS1 & LS6 5.7L • LS2 6.0L • LS3 6.2L

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10295**	0%	Hardcoat Anodize		Х	Х		303S	7/8
							304S	7/8
10296**	18%	Hardcoat Anodize		Х	Х		303S	7/8
							304S	7/8

\*\* 303S - Corvette applications, 304S Camaro applications only.

# GM GEN IV LS4 5.3L • L92 VORTEC 6.2L V-8

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen Number	Screen Inlet Dia. (Inches)
10355	0%*	Hardcoat Anodize		Х	Х		324S	7/8

\*33% more volume than the 10295

# GM BIG BLOCK V-8

	Volume		Shaft	Screw-in Valve	Provision For	Anti- Cavitation	Associated	Inlet Dia.	Pan D	-
Part No.	Increase	Coatings	Support	Plug	<b>Bolt-on Screen</b>	Grooves	Screen No.	(Inches)	Min -	Max
10770	25%	Mag Phosphate					77-S1	3/4	7-1/2"	7-5/8"
10774	0%	Mag Phosphate					241S	3/4	8-7/8"	9"
10775	0%	Mag Phosphate	Х	Х			305S	3/4	7-7/8"	8"
10778	25%	Mag Phosphate	Х	Х			353S	3/4	9"	9-1/8"
10778C	25%	Mag Phosphate	Х	Х		Х	307S	3/4	9-5/8"	9-3/4"
10070-800SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10077-800SS	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10070-900SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10077-900SS	0%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A
10070-1000SS	25%	Hardcoat Anodize	Х	Х			N/A	N/A	N/A	N/A

# FORD 260 • 289 • 302

Part No.	Volume Increase	Coatings	CNC Machined	Screw-in Valve Plug	Extended Drive Shaft	Doweled Cover	Associated Screen Number	Screen Inlet Dia. (Inches)
10687	0%	Mag Phosphate	Х	Х	Х	Х	68-S	5/8
10688	25%	Mag Phosphate	Х	Х	Х	Х	<b>68-S3</b>	5/8
							68-S4	5/8
							68-\$5	5/8

# **FORD 351W**

Part No.	Volume Increase	Coatings	CNC Machined	Screw-in Valve Plug	Extended Drive Shaft	Doweled Cover	Associated Screen Number	Screen Inlet Dia. (Inches)
10832	0%	Mag Phosphate	Х	Х	Х	Х	83-5	5/8
10833	25%	Mag Phosphate	Х	Х	Х	Х	83-\$1	5/8

NOTE: SCREEN TO PAN CLEARANCE DISTANCE CAN VARY DUE TO PAN GASKET THICKNESS

PERFORMANCE OIL PUMPS

NOTE: MINIMUM 3/8" TO 1/2" SCREEN TO PAN CLEARANCE



# FORD 4.6 & 5.4L Modular

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10176	0%	Hardcoat Anodized	Х	Х		13/16
10227	8%**	Hardcoat Anodized	Х	Х	335S	15/16
10340	0%	Hardcoat Anodized	Х	Х		15/16

\*\* 8% Additional volume when used in the 4.6-X SOHC application / standard volume when used in the 4.6 DOHC Cobra application.

# **CHRYSLER 2.0L**

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10190	20%	Mag Phosphate	Х	Х	262S	3/4
					330S	3/4
					331\$	3/4

# CHRYSLER 5.7L & 6.1L HEMI

Part No.	Volume Increase	Coatings	Screw-in Valve Plug	Provision For Bolt-on Screen	Associated Screen Number	Screen Inlet Dia. (Inches)
10342	0%	Hardcoat Anodize	Х	Х	331\$	1.0

# PERFORMANCE OIL PUMP GUIDE

# GM S.B. PERFORMANCE OIL PUMP LINE

#### 10550

High volume performance upgrade for M-55HV. 25% increase in volume over stock oil pump. The 10550 housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Includes intermediate shaft with steel quide. Built with billet steel gears. Uses 5/8" press in screen.

#### 10551

High volume performance upgrade for M155HV. 25% increase in volume over stock oil pump. The 10551 housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Includes intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

#### 10552

High volume performance oil pump. 10% increase in volume over stock oil pump. The 10552 is manufactured with the drive and idler shafts extended to allow for additional support in the cover eliminating dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. Screw in plug retains relief valve spring instead of pin. Relief hole in cover uses screw in plug instead of pressed cup plug. All bolts are self locking socket heads, with the wrench supplied. The housing and cover are CNC machined and phosphate coated. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. The lower pressure spring is included to reduce pressure if desired. Melling Patent No. 5,810,571

#### 10552C (Anti-Cavitation)

High volume performance oil pump. 10% increase in volume over stock oil pump. Same as the 10552 with the addition of grooves machined in the body and cover. The grooves reduce cavitation effects in high RPM applications. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. Using this oil pump will reduce pressure at idle. The 10552C uses the high pressure spring only. Racing Applications Only.







#### 10553

High pressure performance upgrade for M-55 & M-55A. Standard volume oil pump. The 10553 housing and cover are CNC machined and phosphate coated. Manufactured with pink spring installed for higher pressure (M-55A). To change pump to lower pressure (M-55) install the supplied yellow spring. Includes intermediate shaft with steel guide. Built with billet steel gears. The 10553 uses a 5/8" press in screen.

#### 10554

**Performance upgrade for M155. Standard volume oil pump.** The 10554 housing and cover are CNC machined and manganese phosphate coated. Manufactured with pink spring installed for higher pressure. To change pump to lower pressure install the supplied yellow spring. Includes intermediate shaft with steel guide. Built with billet steel gears. The 10554 uses a 3/4" press in screen.

#### 10555

High Volume performance upgrade for the 10550 oil pump. 25% increase in volume over stock oil pump. The 10555 is manufactured with the drive and idler shafts extended to allow for additional support in the cover eliminating dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. Screw in plug retains relief valve spring instead of pin. Relief hole in cover uses screw in plug instead of pressed cup plug. All bolts are self locking socket heads, with the wrench supplied. The housing and cover are CNC machined and manganese phosphate coated. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. The lower pressure spring is included to reduce pressure if desired.

Melling Patent No. 5,810,571

#### 10555C (Anti-Cavitation)

**High volume performance upgrade for the 10550 oil pump. 25% increase in volume over stock oil pump.** Same as the 10555 with the addition of grooves machined in the body and cover. The grooves reduce cavitation effects in high RPM applications. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses both 3/4" bolt on or press in screen. Using this oil pump will reduce pressure at idle. The 10555C uses the high pressure spring only. **Racing Applications Only.** 

Melling Patent No. 5,810,571

#### 10990

High volume performance upgrade for the M-99HV-S. Increase in volume of 25% over stock oil pump. The 10990 is a Big Block style oil pump made to fit the Small Block applications. The drive and idler shafts have been extended to allow for additional support in the cover. Additional support eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. The relief valve has a screw-in plug instead of a pin. The housing and cover are CNC machined and phosphate coated. An additional spring, the original stock replacement is supplied which will reduce bypass pressure if needed. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

Melling Patent No. 5,810,571

#### 10990C (Anti-Cavitation)

High volume performance upgrade for the M-99HV-S. Increase in volume of 25% over stock oil pump. The same as the 10990 except with the addition of grooves machined in the housing and cover. The grooves reduce cavitation effects in high RPM applications. Using this oil pump will reduce pressure at idle. Includes 12550 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen. **Racing applications only**.

Melling Patent No. 5,810,571





# GM S.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

#### 10055-750SS

Aluminum billet standard volume oil pump for street & strip applications with 7-1/2" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & standard volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571

#### 10050-750SS

Aluminum billet high volume oil pump for street & strip applications with 7-1/2" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat. & high volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571







Aluminum billet standard volume oil pump for street & strip applications with 8-1/4" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat. & standard volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

#### Melling Patent No. 5,810,571





Aluminum billet high volume oil pump for street & strip applications with 8-1/4" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571





# GM S.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR CIRCLE TRACK APPLICATIONS

#### 10055-700CT

Aluminum billet standard volume oil pump for circle track racing applications with 7" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & standardvolume billet steel gears. The drive shaft is manufactured from chrome -moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body, offset for circle track racing and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



#### 10050-700CT

Aluminum billet high volume oil pump for circle track racing applications with 7" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears The drive shaft is manufactured from chrome-moly steel. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body, offset for circle track racing and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12550 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



# **OLDSMOBILE PERFORMANCE OIL PUMP LINE**

#### M-22FHV

**High volume upgrade of the M-22F oil pump. 20% increase in volume over stock oil pump.** The M-22FHV is manufactured with both a 3/4" bolt on type flange and a 5/8" chamfered hole allowing for the use of both bolt on or press in type screen. For use with Oldsmobile 260, 307, 350, 400, 403, 425 & 455 engines.



# PONTIAC V8 PERFORMANCE OIL PUMP LINE

#### 10540

**Stock pressure performance upgrade for the M-54D-S.** The housing is CNC machined and phosphate coated. Built with billet steel gears. Includes 3/4" diameter oil pickup screen.

### 10541

High pressure performance upgrade for the M-54F. 30% increase in pressure over the 10540 oil pump. The housing is CNC machined and phosphate coated. Built with billet steel gears. Includes 3/4" diameter oil pickup screen.

# GM GEN III & IV 4.8L-5.3L-5.7L-6.0L • LS3 6.2L PERFORMANCE OIL PUMP LINE

#### 10295

High pressure performance upgrade for M295. Stock volume, 10% increase in pressure over M295 oil pump. The cast aluminum housing is CNC machined and hardcoat anodized. The cast iron cover is CNC machined and phosphate coated. The relief valve features a screw in valve plug with the optional lower stock pressure spring supplied. Uses stock bolt on screen.



High volume performance upgrade for M295. 18% increase in volume over M295 and 10295 oil pump. The cast aluminum housing is CNC machined and hardcoat anodized. The cast iron cover is CNC machined and phosphate coated. The relief valve features a screw in valve plug with the optional lower stock spring supplied. Uses stock bolt on screen.

### GM GEN GEN IV, LS4 5.3L & L92 VORTEC 6.2L PERFORMANCE OIL PUMP LINE

#### 10355

Stock volume performance upgrade for M355. Standard volume for LS4 5.3L & L92 6.2L engines. 33% increase in volume over the 10295. The 10355 features a hard coat anodized body with a cast iron phosphate coated cover. The relief valve features a screw in valve plug with the optional lower stock pressure spring supplied. Uses stock bolt on screen.

# GM B.B. PERFORMANCE OIL PUMP LINE

#### 10770

High volume performance upgrade for M-77HV. 25% increase in volume over stock pump. The housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Built with billet steel gears. Includes intermediate shaft with steel guide. Uses 3/4" press in screen.

#### 10774

**Standard volume performance upgrade for M-77.** The housing and cover are CNC machined and phosphate coated. The lower pressure spring is included to reduce pressure if desired. Built with billet steel gears. Includes intermediate shaft with steel guide. Uses 3/4" press in screen.









MMMMMM

#### 10778

**High volume performance upgrade for the 10770. Increase in volume of 25% over stock oil pump.** The drive shaft has been manufactured from chrome-moly steel. The drive and idler shafts have been extended to allow for additional support in the cover. Additional support eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of the shaft bores. The relief valve has a screw-in plug instead of a pin. The housing and cover are CNC machined and phosphate coated. An additional spring, the original stock replacement is supplied which will reduce bypass pressure if needed. Includes 12770 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen.

Melling Patent No. 5,810,571

#### 10778C (Anti-Cavitation)

**High volume performance upgrade for the 10770. Increase in volume of 25% over stock oil pump.** The same as the 10778 except with the addition of grooves machined in the housing and cover. The grooves reduce cavitation effects in high RPM applications. Using this oil pump will reduce pressure at idle. Includes 12770 chrome moly intermediate shaft with steel guide. Built with billet steel gears. Uses 3/4" press in screen. **Racing applications only.** 

Melling Patent No. 5,810,571



### GM B.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

#### 10077-800SS

Aluminum billet standard volume oil pump for street & strip applications with 8" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft and stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571



#### 10070-800SS

Aluminum billet high volume oil pump for street & strip applications with 8" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft and stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571

# GM B.B. ALUMINUM BILLET PERFORMANCE OIL PUMP LINE FOR STREET & STRIP APPLICATIONS

#### 10077-900SS

Aluminum billet standard volume oil pump for street & strip applications with 9" deep pans. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & billetsteel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and -10# relief springs.

Melling Patent No. 5,810,571



#### 10070-900SS

Aluminum billet high volume oil pump for street & strip applications with 9" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571



#### 10070-1000SS

Aluminum billet high volume oil pump for street & strip applications with 10" deep pans. 25% increase in volume over stock oil pump. Pump features a lightweight billet 6061-T6 aluminum housing & cover with a protective anodized hardcoat & high volume billet steel gears. The chrome-moly drive shaft has been extended. Pump shafts have been extended into the cover for support. The pickup screen has been integrated into the pump body and features a stainless steel wire mesh. This pump has multiple pressure settings and is CNC manufactured to exacting tolerances and surface finishes. The supercharged inlet allows for improved performance at high RPM's. Includes 12770 chrome moly intermediate shaft, stud kit and +10# and - 10# relief springs.

Melling Patent No. 5,810,571



### CHRYSLER PERFORMANCE OIL PUMP LINE

#### M-63HV

High volume upgrade of the M-63. 25% increased volume over stock pump. Larger volume body and gerotor set provide higher volume than the original stock oil pump.



# CHRYSLER PERFORMANCE OIL PUMP LINE



### M-63HP

High pressure, standard volume upgrade of the M-63. Increased oil pressure. Provides higher oil pressure than the stock oil pump.



#### **M-72HV**

High volume upgrade of the M-72. 25% increased volume over stock pump. Larger volume body and gerotor set provide higher volume than the original stock oil pump.

# **CHRYSLER 2.0L PERFORMANCE OIL PUMP**



#### 10190

**High volume performance upgrade of the M190. 20% increased volume over stock pump.** The pump is supplied with a gerotor designed to provide 20% increased oil volume than the original Chrysler design. The pump design has been improved by separating the inlet oil from the by-passed oil. In addition pump materials have been changed to improve performance and durability.

### **CHRYSLER 5.7L & 6.1L PERFORMANCE OIL PUMPS**



**Standard volume performance upgrade of the M342.** The 10342 features a hardcoat anodized body with a cast iron phosphate coated cover for improved pump performance and durability. Adjustable by-pass pressure using optional springs. The cup plugs have been replaced with threaded fittings. Uses 1-1/8" bolt on screen.

# FORD 260 • 289 • 302 PERFORMANCE OIL PUMP LINE



**Standard volume performance upgrade for M-68.** Gerotor set assembled to an extended drive shaft that allows for additional support in the cover. Supporting the drive shaft in both the housing and cover eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of shaft bores. The housing and cover are CNC machined and phosphate coated for wear and rust prevention. The relief valve has a pressure adjustable screw-in plug instead of a cup plug. Works with the original bolt-on pickup screen assemblies. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571

#### 10688

High volume performance upgrade for M-68-HV. The same features as the 10687 but the gerotor displaces 25% more volume of oil than the 10687. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571



# FORD 351W PERFORMANCE OIL PUMP LINE

#### 10832

**Standard volume performance upgrade for M-83.** Gerotor set assembled to an extended drive shaft that allows for additional support in the cover. Supporting the drive shaft in both the housing and cover eliminates dynamic shaft deflection at increased RPM levels. The cover is doweled to the pump housing to assure alignment of shaft bores. The housing and cover are CNC machined and phosphate coated for wear and rust prevention. The relief valve has a pressure adjustable screw-in plug instead of a cup plug.Works with the original 5/8" bolt-on pickup screen assemblies.

Melling Patent No. 5,810,571

#### 10833

High volume performance upgrade for M-83. The same features as the 10832 but the gerotor displaces 25% more volume of oil than the 10832. Uses 5/8" bolt on screen.

Melling Patent No. 5,810,571

# FORD 351C • 351M • 400M ENGINES PERFORMANCE OIL PUMP LINE

#### M-84AHV

High volume upgrade for M-84A. 25% increased volume over stock pump. Larger volume body and gerotor provide higher volume than the original stock oil pump. Uses 5/8" threaded screen.

# FORD FE ENGINES PERFORMANCE OIL PUMP LINE

#### **M-57HV**

**High Volume upgrade for M-57. 25% increased volume over stock pump.** Larger volume body and gerotor provide higher volume than the original stock oil pump. Uses 5/8" bolt on screen.

#### M-57HP

High pressure upgrade for M-57. Provides higher pressure than the original stock oil pump. Uses 5/8" bolt on screen. NOTE: for use in blocks with by-pass spring in the block.

# FORD 429•460 ENGINES PERFORMANCE OIL PUMP LINE

#### M-84BHV-S

**High volume upgrade for M-84B. 25% increased volume over stock pump.** Larger volume body and gerotor provide higher volume than the original stock oil pump. Includes screen for use in 8-1/4" front sump pans.











#### M-84DHV

High volume upgrade for M-84D. 25% increased volume over stock pump. For rear sump applications only.



M-84EHV-S

High volume oil pump. For use in 8-5/8" front sump pans. Oil pickup screen is included.



# FORD 428CJ ENGINES PERFORMANCE OIL PUMP LINE

#### M-84EHV-S & M-84BHV-S

**High volume oil pump.** The M-84EHV-S for use in 8-5/8" front sump pans, and the M-84BHV-S for use in 8-1/4" front sump pans. Oil pickup screen is included.



#### 10176

Standard volume performance upgrade for the M176. For use with the 4.6-X SOHC Mustang GT. Supplied with chrome-moly billet steel rotors. The 10176 also features an anodized hard coated body and a phosphate coated cover. Uses 13/16" diameter pickup screen.

FORD 4.6L & 5.4L MODULAR ENGINES



#### 10227

Standard volume performance upgrade for the M227. For use with the 4.6L DOHC Cobra Mustang. Also may be used in the 4.6L, vin X SOHC Mustang as a 8% High volume oil pump. Supplied with chrome-moly billet steel rotors. The 10227 also features an anodized hard coated body and a phosphate coated cover. Uses 15/16" diameter 335S oil pickup screen.



**High pressure, standard volume performance upgrade for the M340.** The 10340 features an anodized hard coated body and a phosphate coated cover. The relief valve has a pressure adjustable screw-in plug instead of a cup plug. Uses 15/16" diameter pickup screen.



# **Specialty Items & Tools**

# Melling Engine Priming Tools

Melling Engine Priming Tools are manufactured from the highest quality materials available. These tools will prevent galling problems by circulating oil through critical areas of a new engine before engine start-up.









**PT11** Fords with a 1/4" hex shaft

**PT12** Fords with a 5/16" hex shaft



PT13 Small Block & Big Block Chevrolet

# **Melling Screen Installation Tools**

Melling Engine Parts supplies (2) tools for installing press-in type oil pump screen assemblies. The pumpbody should be placed on a small block of wood with the tool straight up and down. Start the screen straight into the hole by twisting and turning by hand before pounding. **UNDER NO CIRCUMSTANCES SHOULD THE SCREEN OR OIL PUMP BE HELD IN A VICE.** This will lock up the pump by crushing the gear pocket. The tool can be tapped with a hammer until the rolled bead on the collar of the screen tube is flush with the oil pump. This is a metal displacement press fit that only works once.



MCAT-62 For 5/8" diameter tubes

MCAT-75 For 3/4" diameter tubes

# Melling Pre-Lube Engine Oiler A must have tool to pre-lube engines

- •Eliminates dry starts after engine rebuilds
- •Eliminates initial wear on engine components
- •Can be used on all internal combustion engines



# MELL-LUBE Engine Assembly Lube NEW IMPROVED PROTECTION 1,400 PPM ZINC

MELL-LUBE engine assembly lube contains a special additive that plates wear surfaces to prevent scoring or galling during engine start-up.

MELL-LUBE also contains corrosion inhibitors to prevent rust and pitting to new engines.

NOTE: Not for use on cylinder walls or piston rings



Melling Select's Pressure Relief Spring Packs provide an economical way to adjust the relief pressure on the small block or big block Chevy oil pumps without the need to cut coils or add shims which can be risky.

The springs are manufactured using the best suited alloyed steel which resists fatigue and are designed to provide long life. Melling Select Oil Pressure Spring Packs include 5 springs in each package.



# **PACKAGE CONTENTS**

Part#	Qty	Spring #	Pressure	Color	QtyPin #	For Use With
55049	(5)	M-29009-A	49#	GREEN	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55058	(5)	14024240	58#	YELLOW	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55070	(5)	M-98015	70#	PINK	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
55078	(5)	M-46557	78#	GREEN	(5) M15509	M-55, M-55HV, M155, M155HV, 10550*, 10551*, 10553*, 10554*
77052	(5)	M-77007	52#	PLAIN	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
77060	(5)	M-77009	60#	BLUE	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
77070	(5)	3870399	70#	PINK	(5) M15509	M-77, M-77HV, M-77G, M307, M-99HV-S, 10770*, 10774*
5556F	(5)	M-55097	50-60#	PLAIN	(NOT REQUIRED)	10552*, 10552C*, 10555*, 10555C*
5570F	(5)	M-55096	70#	PINK	(NOT REQUIRED)	10552*, 10552C*, 10555*, 10555C*
7752M	(5)	M-77007	52#	PLAIN	(NOT REQUIRED)	10778* & 10778C*
7760M	(5)	M-77009	60#	BLUE	(NOT REQUIRED)	10778* & 10778C*
7770M	(5)	3870399	70#	PINK	(NOT REQUIRED)	10778* & 10778C*

\*Additional performance oil pump application information available in the Melling Select performance catalog



# Melling Select Performance Oil Pump Intermediate Shafts

# GM Applications:

**12550, Performance upgrade for IS-55E and IS-55G**. Manufactured from Chrome Moly steel for improved shaft strength. Special collar design allows the intermediate shaft to snap onto the oil pump drive shaft while still allowing for mis-alignment of pump drive shaft to the distributor drive shaft caused by tolerance stack-up within the engine.

**12770, Performance upgrade for IS-77 and IS-77A**. Manufactured from Chrome Moly steel for improved shaft strength. Special collar design allows the intermediate shaft to snap onto the oil pump drive shaft while still allowing for mis-alignment of pump drive shaft to the distributor drive shaft caused by tolerance stack-up within the engine.

# Ford Applications:

**12600, Performance upgrade for IS-60**. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

**12680, Performance upgrade for IS-68**. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

**12830, Performance upgrade for IS-83**. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

**12840, Performance upgrade for IS-84**. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

**12844, Performance upgrade for IS-84A**. Manufactured from Chrome Moly steel for improved shaft strength. Heat treated and centerless ground.

# **Chrysler Applications:**

**12630, Performance upgrade for IS-63**. Gear press fit and pinned to drive shaft. Drive shaft manufactured from Chrome Moly steel for improved shaft strength.

**12720, Performance upgrade for IS-72**. Gear press fit and pinned to drive shaft. Drive shaft manufactured from Chrome Moly steel for improved shaft strength.



# **RETRO-FIT ROLLER CAMSHAFTS & LIFTERS**



APPLICATION/CLASS	CAM	VALVE LIFT INT. / EXH.	DUR @ .050 INT. / EXH.	LOBE CTR. Int. / Exh.	LOBE SEP.
SB CHEV CLASS I	22135	.470 / .490	206 / 214	108/116	112
	22136	.470 / .480	215 / 230	106 / 114	110
SB CHEV CLASS II	22237	.470 / .490	215 / 224	108 / 116	112
	22238	.470 / .470	215 / 215	106 / 114	110
<b>BB CHEV CLASS I</b>	22141	.502 / .510	216 / 228	108 / 116	112
	22236	.527 / .544	224 / 234	106 / 114	110
SB FORD CLASS I	24110	.444 / .444	210/211	116/115	115.5
	24226	.490 / .508	212 / 222	107 / 117	112
SB FORD CLASS II	24214	.498 / .498	219/219	110/110	110



SB817RF16	SMALL BLOCK CHEVY 1985 & OLDER
SB079RF16	SMALL BLOCK CHEVY 1986 & NEWER
BB817RF16	BIG BLOCK CHEVY 1987 & OLDER
BB969RF16	BIG BLOCK CHEVY 1988 & NEWER
F1900RF16	WINDSOR/CLEVELAND 351-400 & 302

\*\* Always consult catalogs listings for detailed application information\*\*

# GEAR DRIVE / 3 PC BILLET STEEL SPEED SETS



**PERFORMANCE TIMING GUIDE** 

- All gears are 8620 carburized steel
- Includes roller cam button, lock plate, and bolts
- Timing adjusted with optional 5 color coded dowel pin hole inserts
- Available in noisy and guiet versions

RECOMMENDED FOR STREET N STRIP, CLAIMER & RACING APPLICATIONS UP TO 6,500 RPM.

Part No.	Applications	Features			
48400	Chevrolet S.B.	With Thrust Bearing (NOISY)			
48400Q Chevrolet S.B.		With Thrust Bearing (QUIET)			
48410 Chevrolet S.B.		With Thrust Bearing (NOISY)			
48410 <b>Q</b>	Chevrolet S.B.	With Thrust Bearing (QUIET)			
48420	Ford S.B.	With Thrust Bearing (NOISY)			
48430	Ford S.B.	With Thrust Bearing (NOISY)			
48450	Chevrolet S.B.	With Thrust Bearing (NOISY)			

### **GEAR DRIVE SPEED SETS**

Check the application section for detailed year range information and required set number.

- Large .250 diameter seamless double roller chain
- Billet steel cam sprocket
- 3 keyway crank sprocket w/+4°/-4° cam adjustment
- · Press fit roller thrust bearing and bronze washer options
- •9 keyway steel crank sprocket options, heat treated w/black oxide coating

RECOMMENDED FOR STREET N STRIP, CIRCLE TRACK, CLAIMER & HOT ROD APPLICATIONS



Part No.	Applications	Features		
48500T-9	Chevrolet S.B.	Press Fit Thrust Bearing		
48500W-9	Chevrolet S.B.	Bronze Washer		
<b>48501T-9</b> Chevrolet S.B.		Press Fit Thrust Bearing		
48501W-9	Chevrolet S.B.	Bronze Washer		
48520T-9	Ford S.B.	Press Fit Thrust Bearing		
48520W-9	Ford S.B.	Bronze Washer		
48530T-9	Ford S.B.	Press Fit Thrust Bearing		
48551T-9	Ford S.B.	Press Fit Thrust Bearing		

# **3 PC BILLET STEEL SPEED SETS**

Check the application section for detailed year range information and required set number.

### **PERFORMANCE - AMERICAN MOTORS & JEEP**

Part Title	Part No.			Description				
4.8 (290) ENG - 1968-69 - V8 - 3								
Torque Camshaft		<b>D</b>	5		5	5		
		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
HYD. IMPROVES LOW-MID.	MTA-1	204 214	280 289	.449 .473	105 115	110		
PERF. CHECK FOR COIL BIND.			200 200	.++0 .+70	100 110	110		
USE [VS-280] SPRING W/								
INSTALLED HGT. OF 1.82.								
CLASS I. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1200-4700.								
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
CLASS III. NOT CALIFORNIA	20402	234 244	306 316	.520 .542	107 117	112		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
2750-6250.					_			
Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	I CAMSHAF	Γ			
Hydraulic Flat Tappet Lifters	290114	0.0000//	-0					
Valve Locks	473004	2 GROOVE						
Valve Spring with Hydraulic Lifters	VS-280	USE W/MTA-1 CAMSHAFT INSTALLED HGT. OF 1.8 (MACHINING MAY BE REQUIRED)						
Litters	466434		MUST USE WITH 475144 RETAINERS					
Valve Spring Retainers	475144	CHROME MOLY - USE WITH [466434] SPRINGS						
5.0 (304) OHV ENG - 1970-79 -		OTITIONIE				.0		
Torque Camshaft	VO - 3.750 DOIE							
Torque Camonan		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation		
IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110		
CHECK FOR COIL BIND. USE		204 214	200 200	.++0 .+70	100 110	110		
[VS-280] SPRING W/INSTALLED								
HGT. OF 1.82. CLASS I. NOT								
CALIFORNIA COMPLIANT. NOT								
COMPUTER COMPATIBLE.								
POWER RANGE 1200-4700.								
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
CLASS III. NOT CALIFORNIA	20402	234 244	306 316	.520 .542	107 117	112		
	20102	204 244						
COMPLIANT. NOT COMPUTER	20102	204 244						
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	20102	201 211						
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.								
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	CL-MTA-1	1971-1977						
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.		1971-1977 COMPATIE	BLE. IMPRO	VES LOW-M	ID PERF. U			
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.		1971-1977 COMPATIE (VS-280). I	BLE. IMPRO	VES LOW-M RNIA COMF	ID PERF. U PLIANT. KIT	INCLUDES		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.		1971-1977 COMPATIE (VS-280). I 1-[MTA-1]	BLE. IMPRO NOT CALIFC CAM, 16-[JB	VES LOW-M RNIA COMF -2011] LIFTE	ID PERF. US PLIANT. KIT ERS & 40Z M	INCLUDES MELL		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.		1971-1977 COMPATIE (VS-280). I 1-[MTA-1] LUBE. CHI	BLE. IMPRO NOT CALIFC CAM, 16-[JB ECK FOR CO	ves low-m Prnia comf -2011] lifte Dil bind. Us	ID PERF. US PLIANT. KIT ERS & 40Z M	INCLUDES MELL		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250. Torque Cam Lifter Kit	CL-MTA-1	1971-1977 COMPATIE (VS-280). I 1-[MTA-1] LUBE. CHI INSTALLE	BLE. IMPRO NOT CALIFC CAM, 16-[JB ECK FOR CO D HGT. OF 1	VES LOW-M PRNIA COMF -2011] LIFTE DIL BIND. US J.82.	ID PERF. US PLIANT. KIT ERS & 40Z M SE [VS-280]	INCLUDES MELL		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250. Torque Cam Lifter Kit Mechanical Flat Tappet Lifters	CL-MTA-1 299984	1971-1977 COMPATIE (VS-280). I 1-[MTA-1] LUBE. CHI INSTALLE	BLE. IMPRO NOT CALIFC CAM, 16-[JB ECK FOR CO D HGT. OF 1	ves low-m Prnia comf -2011] lifte Dil bind. Us	ID PERF. US PLIANT. KIT ERS & 40Z M SE [VS-280]	INCLUDES MELL		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250. Torque Cam Lifter Kit	CL-MTA-1	1971-1977 COMPATIE (VS-280). I 1-[MTA-1] LUBE. CHI INSTALLE	BLE. IMPRO NOT CALIFC CAM, 16-[JB ECK FOR CC D HGT. OF 1 CAST IRON	VES LOW-M PRNIA COMF -2011] LIFTE DIL BIND. US J.82.	ID PERF. US PLIANT. KIT ERS & 40Z M SE [VS-280]	INCLUDES MELL		

# PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

Line						· · · · · ·					
No.	Part Title Part No. Description										
2	5.0 (304) OHV ENG - 1970-79 - V8 - 3.750 Bore           Valve Spring with Hydraulic         VS-280         USE W/MTA-1 CAMSHAFT INSTALLED HGT. OF 1.82.										
	Valve Spring with Hydraulic	VS-280					DF 1.82.				
	Lifters		(MACHINING MAY BE REQUIRED) USE W/ 475144 RETAINERS								
		466434	CHROME MOLY - USE WITH [466434] SPRINGS								
	Valve Spring Retainers	475144			GUIDE PLA	-					
	Chrome Moly Push Rods	500314			GUIDE PLA TANDARD LI						
			TREATED FOR GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS.								
		501004			GUIDE PLA	TES, 5/16" S	TANDARD				
				-	CONSTRUC						
					HEAT TRE						
			GUIDEPLA	ATES (ONE I	PIECE CONS	STRUCTION	) MAX.				
				RESSURE 5							
3	5.6 (343) ENG - 1967-69 - V8 - 4	4.080 Bore									
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees				
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.					
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110				
	CHECK FOR COIL BIND. USE										
	[VS-280] SPRING W/INSTALLED										
	HGT. OF 1.82. CLASS I. NOT										
	CALIFORNIA COMPLIANT. NOT										
	COMPUTER COMPATIBLE.										
	POWER RANGE 1200-4700.										
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees				
			Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation				
	CLASS III. NOT CALIFORNIA	20402	234 244	306 316	.520 .542	107 117	112				
	COMPLIANT. NOT COMPUTER	20402	234 244	300 310	.520 .542	107 117	112				
	COMPATIBLE. POWER RANGE										
	2750-6250.										
	Mechanical Flat Tappet Lifters	299984	USE WITH CAST IRON CAMSHAFT								
	Hydraulic Flat Tappet Lifters	290114									
	Valve Locks	473004	2 GROOV	ES							
	Valve Spring with Hydraulic	VS-280	USE W/MT	FA-1 CAMSH	IAFT INSTAL	LED HGT. O	DF 1.82.				
	Lifters				REQUIRED)						
		466434		75144 RETA			-				
	Valve Spring Retainers	475144		MOLY - USE	WITH [4664	34] SPRING	iS				
4	5.9 (360) OHV ENG - 1970-78 -	V8 - 4.080 Bore	1	I	1		T				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees				
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation				
	IMPROVES LOW-MID. PERF.	MTA-1	Int. Exh. 204 214	Int. Exh. 280 289	Int. Exh. .449 .473	Int. Exh. 105 115	110				
	CHECK FOR COIL BIND. USE	INTA-1	204 214	200 209	.449 .473	105 115	110				
	[VS-280] SPRING W/INSTALLED										
	HGT. OF 1.82. CLASS I. NOT										
	CALIFORNIA COMPLIANT. NOT										
	COMPUTER COMPATIBLE.										
			1	1	1	1	1				
	POWER RANGE 1200-4700.										

# PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

Line			,					
No.	Part Title	Part No.			Description			
4	5.9 (360) OHV ENG - 1970-78 -	V8 - 4.080 Bore						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.	20402	234 244	306 316	.520 .542	107 117	112	
	Torque Cam Lifter Kit	CL-MTA-1 1971-1977 CLASS I HYD. NOT COMPUTER						
		COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-280). NOT CALIFORNIA COMPLIANT. KIT IN 1-[MTA-1] CAM, 16-[JB-2011] LIFTERS & 40Z ME LUBE. CHECK FOR COIL BIND. USE [VS-280] SI INSTALLED HGT. OF 1.82.						
	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	I CAMSHAF	Т		
	Hydraulic Flat Tappet Lifters	290114						
	Valve Locks	473004	2 GROOVE				254.00	
	Valve Spring with Hydraulic Lifters	VS-280	(MACHININ	NG MAY BE	M W/ INSTA REQUIRED)		JF 1.82	
		466434		5144 RETAI			0	
	Valve Spring Retainers Chrome Moly Push Rods	475144 500314			WITH [4664 GUIDE PLAT			
			LENGTH 5 TREATED PRESSUR	/16" DIA. ST FOR GUIDE E 350 LBS.	ANDARD LE PLATES. M	NGTH- HEA AX. SPRINC	AT G	
		501004	HEAT TREATED FOR GUIDE PLATES. ONE PIECE CONSTRUCTION. 5/16" STANDARD LENGTH 5/16" DIA. STANDARD LENGTH - HEAT TREATED FOR GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.					
5	6.4 (390) ENG - 1968-70 - V8 - 4	1.165 Bore	1	Γ	1	Γ		
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
		NTA 4	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110	
	IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTA-1	204 214	280 289	.449 .473	105 115	110	
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2750-6250.	20402	Int. Exh. 234 244	Int. Exh. 306 316	Int. Exh. .520 .542	Int. Exh. 107 117	112	
	Mechanical Flat Tappet Lifters	299984	USE WITH	CAST IRON	I CAMSHAF	Г		
	Hydraulic Flat Tappet Lifters	290114						
	Valve Locks	473004	2 GROOVE					
	Valve Spring with Hydraulic Lifters	VS-280			AFT INSTAL REQUIRED)		JF 1.82	
	Continued on Next Page							

# PERFORMANCE - AMERICAN MOTORS & JEEP (Continued)

Line						<b>`</b>	,			
No.		Part No.			Description					
5	6.4 (390) ENG - 1968-70 - V8 - 4.165 Bore Valve Spring with Hydraulic 466434 USE W/ 475144 RETAINERS									
	Valve Spring with Hydraulic Lifters	466434		-	-					
	Valve Spring Retainers	475144			WITH [4664	-				
	Chrome Moly Push Rods	500314	1970-1970 HEAT TREATED FOR GUIDE PLATES. 5/16"							
			STANDARD LENGTH 5/16" DIA. STANDARD LENGTH-							
		HEAT TREATED FOR GUIDE PLATES. MAX. SPRIN PRESSURE 350 LBS.								
		501004	PRESSURE 350 LBS. 1004 1970-1970 HEAT TREATED FOR GUIDE PLATES. 5/16							
		501004			JCTION. ST					
					GTH - HEAT					
			-		PIECE CONS		-			
				RESSURE 5			,			
6	6.6 (401) OHV ENG - 1971-76 -	V8 - 4.170 Bore								
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	IMPROVES LOW-MID. PERF.	MTA-1	204 214	280 289	.449 .473	105 115	110			
	CHECK FOR COIL BIND. USE									
	[VS-280] SPRING W/INSTALLED HGT. OF 1.82. CLASS I. NOT									
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 1200-4700.									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS III. NOT CALIFORNIA	20402	234 244	306 316	.520 .542	107 117	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE 2750-6250.									
	Torque Cam Lifter Kit	CL-MTA-1	CLASSIN		) MPUTER C	OMPATIBI F	:			
			IMPROVES LOW-MID PERF. USE (VS-280). I CALIFORNIA COMPLIANT. KIT INCLUDES 1-							
				-	TERS & 4OZ					
					[VS-280] SP	RING W/INS	TALLED			
	Mechanical Flat Tappet Lifters	299984	HGT. OF 1	-	I CAMSHAF	т				
	Hydraulic Flat Tappet Lifters	299984				1				
	Valve Locks	473004	2 GROOVE	ES						
	Valve Spring with Hydraulic	VS-280			IAFT INSTAL	LED HGT. (	DF 1.82			
	Lifters				REQUIRED)					
		466434		75144 RETA		0.41.000000				
	Valve Spring Retainers	475144				-				
	Chrome Moly Push Rods	500314			GUIDE PLAT ANDARD LE					
					E PLATES. M	-				
				E 350 LBS.	0.10					
		501004			GUIDE PLAT	TES. ONE P	IECE			
			CONSTRU	JCTION. 5/16	5" STANDAR	DLENGTH	5/16" DIA.			
					HEAT TRE					
				-	PIECE CONS	STRUCTION	) MAX.			
			SPRING P	RESSURE 5	00 LBS.					

# **PERFORMANCE - BUICK**

Part Title	Part No.			Description			
3.0-E (181) ENG - 1982-85 - V				•			
Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
HYD. IMPROVES MID RANGE PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 1200-4700.	MTB-1	204 214	280 290	.449 .473	112 112	112	
HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 800-4500.	MTB-2	194 204	272 280	.424 .449	109 119	114	
Mell Lube	M-10012		ENGINE ASSEMBLY LUBRICANT				
Torque Cam Lifter Kit	CL-MTB-1	IMPROVES CALIFORN CAM, 12-[, FOR COIL HGT. OF 1		PERF. USE ANT. KIT INC ERS & 40Z I [VS-380] SPI	(VS-380). NG CLUDES 1-[N MELL LUBE RING W/INS	OT MTB-1] . CHECK STALLED	
	CL-MTB-2	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE (VS-380) NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-2] CAM, 12-[JB-969] LIFTERS & 4OZ MELL LUBE. CHEC FOR COIL BIND. USE [VS-380] SPRING W/INSTALLE HGT. OF 1.72.					
Hydraulic Flat Tappet Lifters	299694		ORY SETTI	NG			
	299704		IP UP, SET A BLE VALVE		SH; MUST E	BE USED W/	
Valve Locks	476104						
Valve Spring with Hydraulic Lifters	VS-380	CAMSHAF	EPLACEMEN TS (MACHIN	NING MAY B	E REQUIRE	D)	
Chrome Moly Push Rods	500574	PRESSUR	EATED FOR E 350 LBS.				
3pc Set	40404	SEAMLES	NOTE: DO I S SOLID RO T & MULTIP	LLER CHAIN	N, CAST IRC	ON CAM	

	Part Title	Title Part No. Description							
	3.8 (231) OHV ENG - 1977-87 -	(231) OHV ENG - 1977-87 - V6 - 3.78, 3.80 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES MID-RANGE	MTB-1	204 214	280 290	.449 .473	112 112	112		
	PERF. CHECK FOR COIL BIND.								
	USE [VS-380] SPRING W/								
	INSTALLED HGT. OF 1.72. CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATABLE. POWER RANGE								
	1200-4700.								
	HYD. IMPROVES LOW-MID	MTB-2	194 204	272 280	.424 .449	109 119	114		
	PERF. CHECK FOR COIL BIND.								
	USE [VS-380] SPRING W/								
	INSTALLED HGT. OF 1.72.								
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	800-4500.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	CLASS III. NOT CALIFORNIA	21300	234 244	306 316	.520 .542	107 117	112		
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE								
	1200-4700.								
	Mell Lube	M-10012	ENGINE A	UBRICANT	ANT				
	Torque Cam Lifter Kit	CL-MTB-1	CLASSIH	YD. NOT CO	OMPUTER C	OMPATIBLE			
					BE PERF. US	· · ·			
				CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-1] CAM, 12-[JB-969] LIFTERS & 40Z MELL LUBE. CHECK					
				-					
			HGT. OF 1		[13-300] 3F1		INSTALLED		
		CL-MTB-2			OMPUTER C	OMPATIBLE			
					PERF. USE				
					ANT. KIT INC	-	-		
				-	ERS & 40Z I				
			HGT. OF 1		[VS-380] SPI	RING W/INS	IALLED		
	Hydraulic Flat Tappet Lifters	299694		ORY SETTI	NG				
		299704			AT ZERO LAS	SH; MUST B	E USED V		
				BLE VALVE		-			
	Valve Locks	476104							
	Valve Spring with Hydraulic	VS-380			IT. USE WIT				
	Lifters	475104					,		
_	Valve Spring Retainers Chrome Moly Push Rods	475184 500574			WITH STOC				
	omome mory rush hous	500574			E PLATES M				
				E 350 LBS.					
	3pc Set	40404			AMPER WIT	TH THIS SET	Г		
1			INCLUDES	SEAMLES	S SOLID ROI	LLER CHAIN	I, CAST		
					T & MULTIPL	E KEYWAY	CRANK		
i.			SPROCKE	Т					

Part	Title	Part No.			Description			
4.1-4 (252) OHV ENG - 1980-84 - V6 - 3.97 Bore								
Torque Camsha			Degrees	Degrees	Inches	Degrees	Degrees	
•			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
HYD. IMPROVE	S MID-RANGE	MTB-1	204 214	280 290	.449 .473	112 112	112	
PERF. CHECK F	OR COIL BIND.							
USE (VS-380) C	LASS I. NOT							
	OMPLIANT. NOT							
COMPUTER CC	MPATABLE.							
POWER RANGE								
HYD. IMPROVE		MTB-2	194 204	272 280	.424 .449	109 119	114	
USE [VS-380] SI INSTALLED HG								
CLASS I. NOT C								
COMPLIANT. NO	-							
COMPATIBLE. F								
800-4500.								
Mell Lube		M-10012	ENGINE A	SSEMBLY L	UBRICANT	1	1	
Torque Cam Lif	ter Kit	CL-MTB-1		IYD. NOT CO		-		
				S MID-RANG		• • •		
				NIA COMPLI		-		
					ELL LUBE. CHECK			
				BIND. USE	[VS-380] SPI	RING W/INS	ALLED	
		CL-MTB-2	HGT. OF 1.72. CLASS I HYD. NOT COMPUTER COMPATIBLE.					
				ES LOW-MID PERF. USE (VS-380). NOT				
			CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTB-2]					
				JB-969] LIFT		-	-	
			FOR COIL	BIND. USE	[VS-380] SPI	RING W/INS	TALLED	
			HGT. OF 1	1.72.				
Hydraulic Flat 1	appet Lifters	299694		FORY SETTI				
		299704		IP UP, SET A		SH; MUST E	BE USED \	
Valve Locks		476104	ADJUSTA	BLE VALVE	IRAIN			
Valve Spring wi	th Hydraulic	VS-380		EPLACEMEN		H [MTR-1] 8	[MTB-2]	
Lifters	annyaraune	V-3-300		TS (MACHI				
Valve Spring Re	etainers	475184		MOLY USE			,	
Chrome Moly P		500574		1 SPRING PF				
-			TREATED	FOR GUIDE	PLATES M	AX. SPRING	ì	
				RE 350 LBS.				
3pc Set		40404		NOT USE A				
				S SEAMLES			•	
				I SPROCKE	I & MULTIPL	LE KEYWAY	CRANK	
	<u> </u>	0.50 D	SPROCKE	- 1				
· /	G - 1981-82 - V8			00510513/1				
Mell Lube		M-10012		SSEMBLY L				
Gear Drive Set		48400		NCLUDES 86 CAM BUTTO				
				DJUSTED W	•			
				IN HOLE INS				
				AND STRIP, (				
		1						
			UP TO 6,5	600 RPM.				

Line No.	Part Title	Part No.	Description
4	4.4-J (267) ENG - 1981-82 - V8		Decemption
	Gear Drive Set	48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
	Gear Drive Set	40400Q	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
	Spc Set	403001-9	TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		4000011 0	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
5	5.0-G,H,U (305) ENG - 1977-87	- V8 - 3.736 Bor	e
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		4030011-9	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
6	5.7-L (350) ENG - 1977-79 - V8	- 4.000 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	Continued on Next Page		

	, , , , , , , , , , , , , , , , , , ,		
Line		<b>D</b>	
No.	Part Title	Part No.	Description
6	5.7-L (350) ENG - 1977-79 - V8	- 4.000 Bore	
	Gear Drive Set	48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
7	350 B,H,J,X ENG - 1972-81 - 8	Cyl 3.800 Bore	)
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	3pc Set	40210	INCLUDES ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET

### **PERFORMANCE - CHEVROLET CARS & TRUCKS**

Line No.	Part Title	Part No.			Decerintian		
NO.	173 ENG - 1980-89 - V6 - 89 MM				Description		
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE (VS-380). CLASS I.	MTC-5	204 214	278 288	.421 .443	107 117	112
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4800.						
	Hydraulic Flat Tappet Lifters	290954		ORY SETTI			
	Valve Spring with Hydraulic	VS-380		EPLACEMEN	-	-	
	Lifters			D HGT. OF 1	.72 (MACHI	NING MAY E	3E
			REQUIRE	/			
	Oil Pump	M134HV	3/4 INCH 0	DUTLET HI V	OL PUMP (2	20% ADDL \	OL OF OIL)
2	189 ENG - 1990-94 - V6 - 3.504	Bore					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE (VS-380). (EXCLUDES	MTC-5	204 214	278 288	.421 .443	107 117	112
	VIN D, M.) CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4800.						
	Hydraulic Flat Tappet Lifters	290954	EXCLUDE	S VIN D, M L	JSE FACTO	RY SETTING	à
	Valve Spring with Hydraulic	VS-380	STOCK RE	EPLACEMEN	IT. USE W/ [	MTC-5] CAN	/ISHAFT;
	Lifters		INSTALLE	D HGT. OF 1	.72; EXCLU	DES VIN D,I	М
			(MACHINII	NG MAY BE	REQUIRED)	1	
	Oil Pump	M134HV	3/4" OUTL	ET HI VOL P	UMP (20% A	ADDL VOL C	OF OIL)

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
3	200 ENG - 1978-79 - V6 - 3.50	Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
4	229 ENG - 1980-1984 - V6 - 3.7	'36 Bore	
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER

Line No.	Part Title	Part No.			Description		
5	262 ENG - 1975-76 - 8 Cyl 3.6				Description		
5	Camshafts Using Mechanical		_	_		_	_
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT	22400	237 210	304 320	.434 .312	100 110	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.						
	CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER	22-102	210 200	202 200	.021 .021	101 100	100
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	С-400-Р	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	OEM #3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT	22200	223 223	290 290	.447 .447	110 118	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.	22200	223 223	290 290	.447 .447	110 118	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.						
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT	22200 22210	223 223	290 290 291 287	.447 .447	110 118	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT						
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800.	22210	224 224	291 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA						
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22210	224 224	291 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	22210	224 224	291 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300.	22210 22230	224 224	291 287 287 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA	22210	224 224	291 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22210 22230	224 224	291 287 287 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER	22210 22230	224 224	291 287 287 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5700.	22210 22230 22232	224 224 214 214 220 231	291 287 287 287 304 287	.450 .460 .444 .444 .468 .480	114 114 105 115 106 114	114 110 110
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5700. CLASS II. NOT CALIFORNIA	22210 22230	224 224	291 287 287 287	.450 .460	114 114	114
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5700. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22210 22230 22232	224 224 214 214 220 231	291 287 287 287 304 287	.450 .460 .444 .444 .468 .480	114 114 105 115 106 114	114 110 110
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5700. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	22210 22230 22232	224 224 214 214 220 231	291 287 287 287 304 287	.450 .460 .444 .444 .468 .480	114 114 105 115 106 114	114 110 110
	OEM #3863151. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. OEM #3896962. CLASS II. NOT CALIFORNIA COMPLIANT. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5800. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5700. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22210 22230 22232	224 224 214 214 220 231	291 287 287 287 304 287	.450 .460 .444 .444 .468 .480	114 114 105 115 106 114	114 110 110

Line							Continued)
No.	Part Title	Part No.			Description		
5	262 ENG - 1975-76 - 8 Cyl 3.6	671 Bore					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2000-5500.	22234	224 230	283 291	.480 .486	107 113	110
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	22235	224 224	224 224	.465 .465	112 112	112
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	22301	232 232	288 288	.480 .480	106 110	108
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	22303	224 234	298 304	.466 .488	107 117	112
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22305	234 244	303 313	.488 .508	107 117	112
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	22320	230 230	304 304	.453 .453	112 116	114
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3300-6700.	22401	244 254	313 328	.508 .533	107 117	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3300-6800.	22460	246 246	302 302	.508 .508	106 112	109
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500	22135	Int. Exh. 206 214	Int. Exh. 265 274	Int. Exh. .470 .490	Int. Exh. 108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000 Continued on Next Page	22136	215 230	284 310	.470 .480	106 114	110

e	Part Title	Part No.			Description			
	262 ENG - 1975-76 - 8 Cyl 3.6				Becomption			
	Camshafts Using Hydraulic		_	_		_		
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation	
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112	
	ROLLER LIFTER [SB817RF16]	22231	215 224	204 290	.470 .490	106 116	112	
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200							
ŀ	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110	
	ROLLER LIFTER [SB817RF16]	22230	210 210	204 204	.470 .470	100 114	110	
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5300							
F	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112	
	ROLLER LIFTER [SB817RF16]	22030	201 200	200 000	.000 .010	107 117	112	
F	Mell Lube	M-10012	ENGINE A	SSEMBLY L				
F	Mechanical Flat Tappet Lifters	JB-992			EMENT LIF	TER SPECI	AI	
	incontantour rat rappor Entero	00 002				, 0 0.		
F	Hydraulic Flat Tappet Lifters	298174		ORY SETTI				
F	Tyuraulo Flat Tappet Elitero	298184			T ZERO LA	SH: MUST F	E USED W	
		200101					2 0020 11	
F	Hydraulic Roller Lifters	JB-2079	ADJUSTABLE VALVE TRAIN STOCK TYPE REPLACEMENT LIFTER					
F	Hydraulic Retro-fit Roller Lifters	SB817RF16					ROLLER	
			RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFTS [22135], [22136], [22237], [22238], [22398]					
ľ	Valve Locks	476104		D 11/32" ST		- 1/1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
ľ	Valve Spring with Mechanical	466114			2410], [22418	5], [22400] &	[22450]	
	Lifters			-	AY BE REQ			
ľ		466274	INNER- US	SE WITH [22	410], [22400]	] & [22450] (	CAMS-	
			MACHININ	IG MAY BE I	REQUIRED	.080 O.D.		
		466364	1.260 O.D.					
	Valve Spring with Hydraulic	VS-380	STOCK RE	EPLACEMEN	IT. USE WIT	H [22111], [2	22107],	
	Lifters		[22108], [2	2109], [2211	4] & [22215]	CAMS- NOT	E: ASM.	
			HEIGHT O	F 1.72				
Γ		VS-739	STOCK RE	EPLACEMEN	IT. USE WIT	H [22303], [2	22305] &	
l					ASM HEIGH			
					REQUIRED (			
		466204			305] & [2240	-		
L					HINING MA			
		466354			110), (22115			
					20), (22301) (			
					- MACHININ			
	Valve Spring Retainers	475074			WITH [4661			
		475184			WITH [4662	04] & [46635	4] SPRING	
	Rocker Arms	498404	LONG SLC					
Ļ	Rocker Arm Stud	MRDS-2920			TH, 3/8" DIA			
		MRDS-941		RALL LENG	TH, 7/16" DI	AMETER W	ITH HEX	
ļ			NUT					
	Chrome Moly Push Rods	500314			A. STANDA			
					PLATES. M	AX. SPRING	à	
L			PRESSUR	E 350 LBS.				
	Continued on Next Page		1					

Line			
No.	Part Title	Part No.	Description
5	262 ENG - 1975-76 - 8 Cyl 3		
	Chrome Moly Push Rods	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT TREATED FOR GUIDEPLATES (ONE PIECE CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES (ONE PIECE CONSTRUCTION)
		501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES. (ONE PIECE CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES. (ONE PIECE CONSTRUCTION)
-	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (FLAT)
		MGP1024 MGP1034	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED) 5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
		MGP1034	ARM STUDS. (RAISED)
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	40201	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40400	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
	Continued on Next Page	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.

Line No.	Part Title	Part No.	Description
NO. 5	262 ENG - 1975-76 - 8 Cyl 3.6		Description
Ð	•		
	3pc Set	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	EXCLUDING ROLLER CAM ENGINES, RACING
			APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN STOCK PUMP. INCLUDES SCREEN.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
5	262 ENG - 1975-76 - 8 Cyl 3.6	671 Bore	
	Oil Pump	10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/ S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN.
		10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page		

Line No.	Part Title	Part No.			Description			
5	262 ENG - 1975-76 - 8 Cyl 3.6		L					
	Oil Pump	10990	ADDL VOL COVER FO PLUG. INC INTERMED STOCK SF		URES: SHAI T. RELIEF V 550] CHROM T WITH STE	FTS EXTENI YALVE HAS S IE MOLY EL GUIDE.	DED INTO SCREW IN NCLUDES	
		10990C	5,810,571) FEATURE SUPPORT INCLUDES	PPLICATION HI VOL PUN S: SHAFTS E . RELIEF VA G [12550] CH TH STEEL G S.	/IP (25% AD EXTENDED LVE HAS S( ROME MOL	DL VOL OF INTO COVE CREW IN PL Y INTERME	OIL) R FOR UG. DIATE	
	Oil Pump Screen	12557       BOLT ON SCREEN. USE W/7" DEEP STOCK T         NOTE: CLEARANCE BETWEEN THE BOLTS A         ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR D         CUSTOM FIT YOUR APPLICATION. BOLT ON         FOR 10555 PUMP.					ND HOLES OWN TO	
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK PAN. NOTE: CLEARANCE BETWEEN THE BOLTS / HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OF DOWN TO CUSTOM FIT YOUR APPLICATION.					
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK PAN. NOTE: CLEARANCE BETWEEN THE BOLT HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP DOWN TO CUSTOM FIT YOUR APPLICATION.				LTS AND JP OR	
		12564	PAN. NOT CLEARAN ALLOWS 3	OLT ON SCREEN. USE WITH 7" DEEP OVAL TRAC AN. NOTE: MESH IS TO THE RIGHT. NOTE: LEARANCE BETWEEN THE BOLTS AND THE HOL LLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN				
		12566	CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HO ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOV CUSTOM FIT YOUR APPLICATION.					
	Oil Pump Drive Shaft	12550	STRENGT	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	PSI) CHROM	IE MOLY ST	EEL.	
6	262 ENG - 1985-03 - V6 - 4.0 Bo	ore						
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	EXC ROLLER LIFTERS. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE IDLE-4500.	22113	194 204	270 278	.398 .421	104 104	104	
	Continued on Next Page							

Line		PERFOR	Description						
No. 6	Part Title 262 ENG - 1985-03 - V6 - 4.0 B	Part No.			Description				
0		bre							
	Camshafts Using Hydraulic Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees		
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1987-1994 CLASS I. NOT	22128	210 214	273 277	.478 .487	107 117	112		
	COMPUTER COMPATIBLE.								
	POWER RANGE 1500-5000.	000174		ORY SETTI					
	Hydraulic Flat Tappet Lifters	298174 298184					BE USED W/		
		290104				ып, 1000 г с	DE USED W/		
	Hydraulic Roller Lifters	JB-2079	ADJUSTABLE VALVE TRAIN STOCK TYPE REPLACEMENT LIFTER						
	Valve Locks	476104							
	Valve Spring with Hydraulic	466354	USE WITH (22113) CAMSHAFT, MACHINING MAY BE						
	Lifters	+00004	REQUIRED						
	Valve Spring Retainers	475184		MOLY- USE	WITH [4663	54] SPRING	S		
	Chrome Moly Push Rods	500314		LER CAM. 5/					
			HEAT TREATED FOR GUIDE PLATES. MAX. SPI PRESSURE 350 LBS. EXC. ROLLER CAM. 5/16" DIA. + .100 O/S LENG TREATED FOR GUIDE PLATES MAX. SPRING PRESSURE 350 LBS.						
		500614							
		500674	EXC. ROL	LER CAM. 3/	/8" DIA. MAX	. SPRING P	RING PRESSURE		
		350 LBS.							
		501004	EXC. ROLLER CAM. 5/16" DIA. STANDARD LENGTH -						
HEAT TREATED FOR GUIDE				GUIDEPLAT					
							ESSURE 500 LBS.		
		501014	EXC. ROLLER CAM. 5/16" DIA. + .100 O/S LENGTH -						
				ATED FOR	GUIDE PLAT	TES (ONE P	IECE		
			CONSTRU	,					
		501024		LER CAM. 5/					
				ATED FOR	GUIDE PLAT	FES. (ONE F	PIECE		
			CONSTRU	,					
		501034		LER CAM. 5/					
				ATED FOR	GUIDE PLA	ES. (ONE F	VIECE		
	Coor Drive Cot	40.400	CONSTRU	,					
	Gear Drive Set	48400		OLLER CAN			ZED STEEL		
				N HOLE INS					
				ND STRIP, (					
				00 RPM. INC					
		48400Q					ZED STEEL		
				OLLER CAN					
				JUSTED W					
			DOWEL PI	N HOLE INS	ERTS. REC	OMMENDE	D FOR		
			STREET A	ND STRIP, (		ID RACING	ENGINES		
		<u> </u>	UP TO 6,5	00 RPM. INC	LUDES TRU	JCKS VIN C	ODES N,Z		
		48450	1987-1993	INCLUDES	8620 CARB	JRIZED STE	EL		
			GEARS, R	OLLER CAN	IBUTTON, L	OCK PLATE	AND		
			BOLTS, AL	DJUSTED W	/5 COLOR C	ODED DOW	/EL PIN		
				ERTS. RECO					
				AIMER AND			TO 6,500		
			RPM. INCL	UDES TRU	CKS VIN CO	DES B,Z			
	Continued on Next Page								

Line No. Part Title	Part No.	Description
6 262 ENG - 1985-03 - V		Becompaish
3pc Set	40201	1985-1985 EXC STOCK ROLLER CAM ENGS. INCLUDES
		TRUCKS INCLUDES DOUBLE ROLLER CHAIN, CAST
		<b>IRON CAM SPROCKET &amp; MULTIPLE KEYWAY CRANK</b>
		SPROCKET.
	40400	EXC STOCK ROLLER CAM ENGS. INCLUDES TRUCKS
		NON RACING APPLICATIONS ONLY INCLUDES DOUBLE
		SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
		SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
	48500T-9	1985-1993 CARS ONLY VIN CODE Z. RECOMMENDED
		FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD
		AND CLAIMER ENGINES. INCLUDES SEAMLESS
		DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
		CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
		+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
	40500 <b>T</b> 0	
	48500T-9	1985-1986 TRUCKS ONLY VIN CODES N,Z. RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
		FIT ROLLER THRUST BEARINGS.
	48500W-9	1985-1986 TRUCKS ONLY VIN CODES N,Z.
		RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
		WASHER
	48500W-9	1985-1993 CARS ONLY VIN CODE Z. RECOMMENDED
		FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD
		AND CLAIMER ENGINES. INCLUDES SEAMLESS
		DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
		CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
	40500	+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
	40520	EXC. ROLLER CAM - INCLUDES TRUCKS RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC
		CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &
		9-MULTIPLE KEYWAY CRANK SPROCKET
Oil Pump	M-99HV-S	MAY REQUIRE CUTTING PAN BAFFLES. HI VOL PUMP-
<b>F</b>		MORE VOL AND PRESSURE THAN STOCK PUMP.
		INCLUDES SCREEN.
	10550	HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES:
		STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
		USES 5/8" DIAMETER SCREEN.
	10551	HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES:
		STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
		USES 3/4" DIAMETER SCREEN.
Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
		STRENGTH (150,000 PSI) CHROME MOLY STEEL.
		IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
		THE OIL PUMP DRIVE SHAFT

Line							Continued)	
No.	Part Title	Part No.			Description			
7	265 ENG - 1955-57 - 8 Cyl 3.7			0051001141				
	Mell Lube	M-10012		SSEMBLY L				
	3pc Set	48500T-9	TRACK, H SEAMLES BILLET ST SPROCKE	ENDED FOR OT ROD ANI S DOUBLE F EEL CAM SI T WITH +4°/ ER THRUST	D CLAIMER ROLLER CH, PROCKET & '-4° CAM AD	ENGINES. I AIN (.250" R 9 KEYWAY	NCLUDES OLLER), CRANK	
		48500W-9				ND STRIP. C	IRCLE	
			RECOMMENDED FOR STREET AND STRIP, CIRCL TRACK, HOT ROD AND CLAIMER ENGINES. INCLU SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLE BILLET STEEL CAM SPROCKET & 9 KEYWAY CRAI SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRO WASHER					
8	267 ENG - 1979-82 - 8 Cyl 3.5	bu Bore	1	1	1	1		
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112	
	PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.							
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees	
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	Int. Exh. 257 270	Int. Exh. 304 320	Int. Exh. .494 .512	Int. Exh. 108 116	112	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105	
	OEM # 3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114	
	OEM # 3965754 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200. Continued on Next Page	22450	262 273	309 318	.512 .536	108 116	112	

	Part Title 267 ENG - 1979-82 - 8 Cyl 3.5 Camshafts Using Hydraulic Flat Tappet Lifters CLASS II. NOT CALIFORNIA	Part No. 0 Bore	Degrees		Description		
	Camshafts Using Hydraulic Flat Tappet Lifters	o Bore	Dograas				
	Tappet Lifters		Dogroop				
			Degrees	Degrees ADV. Dur	Inches	Degrees	Degrees
()	CLASS IL NOT CALIFORNIA		.050" dur		Valve lift	Lobe cntr.	Separation
()		0 400 D	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	114
(		С-400-Р	223 223	290 290	.447 .447	110 118	114
2	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2100-5600.						
11	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH	22107	200 200	200 200	.400 .400	107 115	110
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
(	COMPATIBLE. POWER RANGE						
1	IDLE-4000.						
T	USE ONLY IN 1987 & OLDER S.B.	22109	194 204	270 278	.398 .421	104 104	104
(	CHEVY ENG EQUIPPED WITH						
(	CARBURETTED 267-350 CID V8.						
(	CLASS I. NOT CALIFORNIA						
(	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B.	22110	204 214	278 288	.421 .443	110 110	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		00114	200 000	200 000	400 400	106 116	111
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH	22114	208 208	280 280	.420 .420	106 116	
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	USE ONLY IN 1987 & OLDER S.B.	22115	209 216	283 286	.435 .455	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
(	COMPLIANT. NOT COMPUTER						
(	COMPATIBLE. POWER RANGE						
-	1500-5000.						
(	Continued on Next Page						

Line	[	PERFOR		REVROLE	I CARS &	THUCKS (	Continued)
No.	Part Title	Part No.			Description		
8	267 ENG - 1979-82 - 8 Cyl 3.5	0 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 & OLDER S.B.	22126	194 214	268 288	.398 .441	107 117	112
	CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600. USE ONLY IN 1987 & OLDER S.B.	22203	214 224	288 298	.444 .466	107 117	112
	CHEVY ENG EQUIPPED WITH	22203	214 224	200 290	.444 .400	107 117	112
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2200-5800.						
	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH	22210	211 211	201 201		107 117	
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	USE ONLY IN 1987 & OLDER S.B.	22215	218 218	295 295	.429 .429	108 112	110
	CHEVY ENG EQUIPPED WITH CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.		000 001	004 007	400 400	100 111	440
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
8	267 ENG - 1979-82 - 8 Cyl 3.5				Description		
0	Camshafts Using Hydraulic Flat		_	_		_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER	22234	224 230	205 291	.400 .400	107 115	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.				150 150		
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER	22401	277 237	010 020	.500 .555	107 117	112
	COMPATIBLE. POWER RANGE						
	3300-6700.						
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16];						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500		<b>.</b>				
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16];						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000 Continued on Next Page						
	Commueu on Next Faye						

Line No.	Part Title	Part No.	Description					
8	267 ENG - 1979-82 - 8 Cyl 3.5		· · ·					
	Camshafts Using Hydraulic		Degrage	Degrees	Inches	Degrees	Degrees	
	Retro-fit Roller Lifters		Degrees .050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112	
	ROLLER LIFTER [SB817RF16];							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200							
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110	
	ROLLER LIFTER [SB817RF16];							
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5300		004.000	000.000	500 540	107 117	110	
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112	
	ROLLER LIFTER [SB817RF16];.	M 10010	ENGINE ASSEMBLY LUBRICANT					
	Mell Lube Torque Cam Lifter Kit	M-10012 CL-MTC-1						
	Torque Cam Litter Kit	CL-WITC-T	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID. PERF. USE (VS-380). USE OI					
						. ,		
			WITH CARBURETTED ENGINES. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-81 LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72					
	Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL					
	••		DESIGNED METERING SYSTEM					
	Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING					
		298184	ANTI-PUM	IP UP, SET A	AT ZERO LAS	SH; MUST E	E USED W/	
			ADJUSTABLE VALVE TRAIN					
	Hydraulic Roller Lifters	JB-2079			EMENT LIF			
	Hydraulic Retro-fit Roller Lifters	SB817RF16			DR USE W/ F			
		470404			[22136], [222	237], [22238]	, [22398]	
	Valve Locks	476104	11/32" STE		2410], [22415	1 [00400] 9	[00450]	
	Valve Spring with Mechanical Lifters	466114		-	2410], [22418 AY BE REQI			
	Litters	466274			410], [22400]			
		400274		-	REQUIRED 1		// (1/10	
		466364	1.260 O.D.					
	Valve Spring with Hydraulic	VS-380			IT. USE WIT	H [MTC-1]. [	22107],	
	Lifters		[22108], [2	2109], [2211	4] & [22215]	CAMS- NOT	E: ASM.	
			HEIGHT O	F 1.72 (MAC	HINING MA	Y BE REQU	RED)	
		VS-739	STOCK RE	EPLACEMEN	IT. USE WIT	H [22303], [2	22305] &	
			[22401] CA	AMS- NOTE:	ASM HEIGH	T OF 1.72-		
			MACHINING MAY BE REQUIRED CHROME VANADIUM					
		466204			305] & [2240	-		
		4000-5			HINING MA			
		466354			2110), (2211)			
					20), (22301) (			
	Valve Spring Retainers	475074			- MACHININ WITH [4661			
	vaive opining netainers	475184					4] SPRINGS	
	Rocker Arms	498404	LONG SLC					
	Rocker Arm Stud	MRDS-2920			TH, 3/8" DIA		H HEX NUT	
	Continued on Next Page				, 0,0 017			

Part Title	Part No.	Description
267 ENG - 1979-82 - 8 Cyl	- 3.50 Bore	
Rocker Arm Stud	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
		NUT
Chrome Moly Push Rods	500314	5/16 DIA. STANDARD LENGTH HEAT TREATED FOR
		GUIDE PLATES- EXC. ROLLER 5/16" DIA. STANDARD
		LENGTH- HEAT TREATED FOR GUIDE PLATES. MAX.
		SPRING PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
		TREATED FOR GUIDEPLATES (ONE PIECE
	501014	CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
	501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT TREATED FOR GUIDE PLATES (ONE PIECE
		CONSTRUCTION)
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
	501024	TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
	001004	TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (RAISED)
	MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKE
		ARM STUDS. (RAISED)
Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
		ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
		STREET AND STRIP, CLAIMER AND RACING ENGINES
	404000	UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
	48400Q	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
		STREET AND STRIP, CLAIMER AND RACING ENGINES
		UP TO 6,500 RPM.
3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDE
		DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
		& MULTIPLE KEYWAY CRANK SPROCKET.
	40400	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDE
	-	DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRC
		CAM SPROCKET & MULTIPLE KEYWAY CRANK

Line			, , , , , , , , , , , , , , , , , , , ,
No.	Part Title	Part No.	Description
8	267 ENG - 1979-82 - 8 Cyl 3.5	60 Bore	
	3pc Set	40500	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500 <b>T</b> -9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	EXCLUDING ROLLER CAM ENGINES - RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN STOCK PUMP. INCLUDES SCREEN.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
	Continued on Next Page	10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.

Line No.	Part Title	Part No.	Description
8	267 ENG - 1979-82 - 8 Cyl 3.5		Description
	Oil Pump	10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
		10035-75055	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) -
			FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER
			SCREEN.
		10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
		105520	SCREEN CAN BE USED WITH THIS PUMP. RACING APPLICATIONS ONLY. (MELLING PATENT
		10552C	5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON
			OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page		

Line	e						
No.	Part Title	Part No.	Description				
8	267 ENG - 1979-82 - 8 Cyl 3	.50 Bore					
	Oil Pump	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY				
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.				
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25% ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES STOCK SPRING.				
-		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES.				
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN FOR 10555 PUMP.				
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.				
		12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.				
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.				
_		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.				
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT				

Line No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7				Description		
	Torque Camshaft		Degrees	Degrade	Inches	Degrees	Degrees
			.050" dur	Degrees ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112
	PERF. CHECK FOR COIL BIND.		-			-	
	USE [VS-380] SPRING W/						
	INSTALLED HGT. OF 1.72. USE						
	ONLY WITH CARBURETTED						
	ENGINES. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
·	POWER RANGE 3700-7300. CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER	22402	240 250	202 290	.521 .521	104 100	100
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	-					
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 3600-7200.						
·	Camshafts Using Hydraulic Flat			-		-	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	CLASS II. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	Continued on Next Page						

Line		r Eni Oni			I CANS &		continued)
No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7	/8 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B.	22109	194 204	270 278	.398 .421	104 104	104
	CHEVY ENG EQUIPPED WITH	22109	194 204	210 210	.390 .421	104 104	104
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B.	22110	204 214	278 288	.421 .443	110 110	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.	00111	000,000	000 000	400 400	100 110	
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH	22114	208 208	280 280	.420 .420	106 116	111
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	USE ONLY IN 1987 & OLDER S.B.	22115	209 216	283 286	.435 .455	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000. USE ONLY IN 1987 & OLDER S.B.	00106	194 214	268 288	.398 .441	107 117	112
	CHEVY ENG EQUIPPED WITH	22126	194 214	200 200	.390 .441	107 117	112
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	Continued on Next Page						

•	Part Title	Part No.			Description		
	283 ENG - 1957-67 - 8 Cyl 3 7		1				
	Camshafts Using Hydraulic Flat		Degrade	Degrade	Inches	Degrade	Degrade
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separatio
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 & OLDER S.B.	22203	214 224	288 298	.444 .466	107 117	112
	CHEVY ENG EQUIPPED WITH	0					
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
Ī	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
Ī	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	USE ONLY IN 1987 & OLDER S.B.	22215	218 218	295 295	.429 .429	108 112	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
Ļ	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.				100 100		
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
ŀ	2000-5700. CLASS II. NOT CALIFORNIA	00000	004 004	000 000	400 400	107 100	100
		22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5800.						
┢	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER	22234	224 230	203 291	.400 .400	107 113	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
F	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER	0					
	COMPATIBLE. POWER RANGE						
	2200-5700.						
f	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
F	Continued on Next Page						1

Line							Continued)
No.	Part Title	Part No.			Description		
9	283 ENG - 1957-67 - 8 Cyl 3 7	7/8 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00000	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22303	224 234	298 304	.466 .488	107 117	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700. CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER	22460	240 240	302 302	.508 .508	100 112	109
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Degrade	Degrade	Inches	Degrade	Degrade
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000						
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	-	_				
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300 FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]	22330	204 200	230 300	.000 .040	107 117	112
	Continued on Next Page						
		1	I				<u> </u>

Part Title	Part No.	Description
283 ENG - 1957-67 - 8 Cyl 3 7		•
Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
Torque Cam Lifter Kit	CL-MTC-1	CLASS I HYD. NOT COMPUTER COMPATIBLE.
•		IMPROVES LOW-MID PERF. USE (VS-380). USE Of
		WITH CARBURETTED ENGINES. NOT CALIFORNIA
		COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JE
		LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIN
		USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72
Mechanical Flat Tappet Lifters	JB-992	STOCK TYPE REPLACEMENT LIFTER, SPECIAL
	00 002	DESIGNED METERING SYSTEM
Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING
	298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE US
	230104	ADJUSTABLE VALVE TRAIN
Hydraulic Roller Lifters	JB-2079	STOCK TYPE REPLACEMENT LIFTER
Hydraulic Retro-fit Roller Lifters	SB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLL
Hydraulic Relio-lit Roller Lillers	3001/11/10	CAMSHAFTS [22135], [22136], [22237], [22238], [223
Valve Locks	476104	HARDENED 11/32" STEM
	476104 466114	OUTER- USE WITH [22410], [22415], [22400] & [2245]
Valve Spring with Mechanical	400114	CAMS- MACHINING MAY BE REQUIRED 1.430 O.D
Lifters	400074	
	466274	INNER- USE WITH [22410], [22400] & [22450] CAMS
		MACHINING MAY BE REQUIRED 1.080 O.D.
	466364	1.260 O.D.
Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [2211
Lifters		[22107], [22108], [22109], [22114] & [22215] CAMS-N
		ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQU
	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305
		[22401] CAMS - NOTE: ASM HEIGHT OF
		1.72-MACHINING MAY BE REQUIRED. CHROME
		VANADIUM
	466204	USE WITH [22303], [22305] & [22401] CAMS - NOTE
		HEIGHT OF 1.72-MACHINING MAY BE REQUIRED.
	466354	USE WITH MTC-1, (22110), (22115), (22200), (22210
		(22213), (22203), (22320), (22301) CAMSHAFTS. NC
		ASM HEIGHT OF 1.72 - MACHINING MAY BE REQU
Valve Spring Retainers	475074	CHROME MOLY- USE WITH [46611] SPRINGS
	475184	CHROME MOLY- USE WITH [466204] & [466354] SF
Rocker Arms	498404	LONG SLOT
Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HE
	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH H
		NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HE
		TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE
		LBS.
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HE
		TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 L
	501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEA
		TREATED FOR GUIDE PLATES (ONE PIECE
		CONSTRUCTION)

Line			
No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3	7/8 Bore	
	Chrome Moly Push Rods	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
		1000/00/	
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
	On an Data Ont	40400	ARM STUDS. (RAISED) 1959-1967 NOISY - INCLUDES 8620 CARBURIZED STEEL
	Gear Drive Set	48400	GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. TRUCKS ONLY.
		48400	1967-1967 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS, RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
		48400Q	1959-1967 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. TRUCKS ONLY.
		48400Q	1967-1967 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
	3pc Set	40201	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES.
			TRUCKS ONLY INCLUDES DOUBLE ROLLER CHAIN,
			CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40201	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES.
		40201	CAR APPLICATIONS ONLY. INCLUDES DOUBLE
			ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET.
		40400	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES.
			CAR APPLICATIONS ONLY. INCLUDES DOUBLE
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40400	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES.
			TRUCKS ONLY INCLUDES DOUBLE SEAMLESS SOLID
			ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3 7		
	3pc Set	40500	1967-1967 EXCLUDES STOCK ROLLER CAM ENGINES. CAR APPLICATIONS ONLY. INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40500	1959-1967 EXCLUDING STOCK ROLLER CAM ENGINES. TRUCKS ONLY INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	1967-1967 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. CAR APPLICATIONS ONLY. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500T-9	1959-1967 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. TRUCKS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	1967-1967 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		48500W-9	1959-1967 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. TRUCKS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	1967-1967 RACING APPLICATIONS ONLY. EXCLUDES STOCK ROLLER CAM ENGINES. CAR APPLICATIONS ONLY. INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
		40520	1959-1967 RACING APPLICATIONS ONLY. EXCLUDING STOCK ROLLER CAM ENGINES. TRUCKS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN STOCK PUMP. INCLUDES SCREEN.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
9	283 ENG - 1957-67 - 8 Cyl 3	7/8 Bore	
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
		10050-750SS	RACING. (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/ S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN.
	Continued on Next Page		

Line No.	Part Title	Part No.	Description			
9	283 ENG - 1957-67 - 8 Cyl.		•			
	Oil Pump	10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL			
	•		VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS			
			EXTENDED INTO COVER FOR SUPPORT. RELIEF			
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES			
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH			
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN			
			SCREEN CAN BE USED WITH THIS PUMP.			
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT			
			5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)			
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO			
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS			
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY			
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS			
			ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON			
		10553	OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP. FEATURES STEEL GEARS; STANDARD VOLUME			
		10000	VERSION OF THE 10550 PUMP.			
		10554	FEATURES STEEL GEARS: STANDARD VOLUME			
		10004	VERSION OF THE 10551 PUMP.			
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL			
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS			
			EXTENDED INTO COVER FOR SUPPORT. RELIEF			
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES			
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH			
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN			
			SCREEN CAN BE USED WITH THIS PUMP.			
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT			
			5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)			
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO			
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS			
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS			
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR			
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.			
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%			
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO			
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN			
			PLUG. INCLUDES [12550] CHROME MOLY			
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES			
			STOCK SPRING.			
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT			
			5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)			
			FEATURES: SHAFTS EXTENDED INTO COVER FOR			
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.			
			INCLUDES [12550] CHROME MOLY INTERMEDIATE			
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION			
	Oil Rump Saroan	12557	GROOVES. BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.			
	Oil Pump Screen	12007	NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES			
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO			
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN			
			FOR 10555 PUMP.			
	Continued on Next Page					
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Line	PERFORMANCE - CHEVROLET CARS & TRUCKS (Continued)						continueu)	
No.	Part Title	Part No.			Description			
9	283 ENG - 1957-67 - 8 Cyl 3 7	7/8 Bore						
	Oil Pump Screen	12558		SCREEN. US				
			_	E: CLEARA	-	-	-	
				LOWS 3/16				
				CUSTOM F				
		12559		SCREEN. US				
				E: CLEARA				
				LOWS 3/16			-	
			DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES					
		12564						
			-	-	-	-		
							UP OR DOWN TO	
		10500		FIT YOUR A				
		12566		E: MESH IS			VAL TRACK	
			_	CE BETWEE		-		
			-	-	-	-		
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO					
	Oil Pump Drive Shaft	12550						
		12000						
							00	
10	292 ENG - 1964-72 - V6							
	Camshafts Using Mechanical		P	<b>D</b>		<b>D</b>		
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation	
	FULL RACE CAM.	CCR-9		276 268			0	
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
		M-10012		SSEMBLY L				
11	4.8-C,V (293) ENG - 1999-09 - 8	Cvl 3.78 Bore	9					
	Oil Pump	10295		STANDARI	O VOLUME.	HI PRESSU	RE 10%.	
	•			IVE COATIN				
			BOLT ON	SCREEN.				
		10296	1999-2008	HI VOLUMI	E 18%. PRO	TECTIVE CO	DATING.	
			SCREW IN	I VALVE. US	ES 7/8" BOL	T ON SCRE	EN.	
			INCLUDES	<b>OPTIONAL</b>	HI PRESSU	RE SPRING	ì.	
12	302 ENG - 1967-69 - 8 Cyl. 4.00	Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112	
	PERF. CHECK FOR COIL BIND.							
	USE [VS-380] SPRING W/							
	INSTALLED HGT. OF 1.72. USE							
	ONLY WITH CARBURETTED							
	ENGINES. CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1000-4500.							
	Continued on Next Page							

Line No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00				Description		
	Camshafts Using Mechanical	2010	Desman	Desman	la cha c	Desman	Desire
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.						
	CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM # 3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM # 3965754 CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	CLASS II. NOT CALIFORNIA	С-400-Р	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 110	114
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH	-					_
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	USE ONLY IN 1987 & OLDER S.B.	22109	194 204	270 278	.398 .421	104 104	104
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	Continued on Next Page						

Line					I CANS &		Continued)
No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00	Bore					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 & OLDER S.B.	22110	204 214	278 288	.421 .443	110 110	110
	CHEVY ENG EQUIPPED WITH	22110	204 214	270 200	.421 .440		110
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	USE ONLY IN 1987 & OLDER S.B.	22114	208 208	280 280	.420 .420	106 116	111
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.	00145	000.010	000.000	405 455	107 117	440
	USE ONLY IN 1987 & OLDER S.B. CHEVY ENG EQUIPPED WITH	22115	209 216	283 286	.435 .455	107 117	112
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000.						
	USE ONLY IN 1987 & OLDER S.B.	22126	194 214	268 288	.398 .441	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600. USE ONLY IN 1987 & OLDER S.B.	22203	214 224	288 298	.444 .466	107 117	112
	CHEVY ENG EQUIPPED WITH	22203	214 224	200 290	.400		112
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 & OLDER S.B.	22213	214 214	287 287	.444 .444	107 117	112
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	1700-5200.						
	Continued on Next Page						
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Line					Description		
No.	Part Title 302 ENG - 1967-69 - 8 Cyl. 4.00	Part No.			Description		
	Camshafts Using Hydraulic Flat		_	_		_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 & OLDER S.B.	22215	218 218	295 295	.429 .429	108 112	110
	CHEVY ENG EQUIPPED WITH	22215	210 210	295 295	.429 .429	100 112	110
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						_
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5500. CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER	22235	224 224	224 224	.405 .405	112 112	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.				450 450		
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000. CLASS IV. NOT CALIFORNIA	22/01	244 254	313 328	.508 .533	107 117	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22401	244 204	313 320	.506 .533	107 117	112
	COMPLIANT: NOT COMPUTER COMPATIBLE. POWER RANGE						
	3300-6700.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00	Bore					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	22460	246 246	302 302	.508 .508	106 112	109
	3300-6800.						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500	22135	206 214	265 274	.470 .490	108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000	22136	215 230	284 310	.470 .480	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200	22237	215 224	284 296	.470 .490	108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300	22238	215 215	284 284	.470 .470	106 114	110
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]						
	Mell Lube	M-10012		SSEMBLY L			
	Torque Cam Lifter Kit	CL-MTC-1	IMPROVES WITH CAR COMPLIAN LIFTERS & USE [VS-3	S LOW-MID. BURETTED NT. KIT INCL & 40Z MELL 80] SPRING	OMPUTER C PERF. USE ENGINES. N UDES 1-[MT LUBE. CHEC W/INSTALL	(VS-380). U NOT CALIFO C-1] CAM, CK FOR CO ED HGT. OF	SE ONLY DRNIA 16-[JB-817] IL BIND. <sup>-</sup> 1.72
	Mechanical Flat Tappet Lifters	JB-992			CEMENT LIF	TER, SPECI	AL
				D METERING			
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI			
		298184	ADJUSTA	BLE VALVE	TRAIN		BE USED W/
	Hydraulic Roller Lifters	JB-2079			EMENT LIF		
	Hydraulic Retro-fit Roller Lifters	SB817RF16	CAMSHAF	TS [22135],	DR USE W/ F [22136], [222		
	Valve Locks	476104	HARDENE	D 11/32" ST	EM		
	Continued on Next Page						

Part Title	Part No.	Description
302 ENG - 1967-69 - 8 Cyl. 4.0	0 Bore	
Valve Spring with Mechanical	466114	OUTER- USE WITH [22410], [22415], [22400] & [22450]
Lifters		CAMS- MACHINING MAY BE REQUIRED 1.430 O.D.
	466274	INNER- USE WITH [22410], [22400] & [22450] CAMS-
		MACHINING MAY BE REQUIRED 1.080 O.D.
	466364	1.260 O.D.
Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
Lifters		[22107], [22108], [22109], [22114] & [22215] CAMS- NOT
		ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRE
	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
		[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
		MACHINING MAY BE REQUIRED CHROME VANADIUM
	466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: AS
		HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
	466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),
		(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE
		ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRE
Valve Spring Retainers	475074	CHROME MOLY- USE WITH [46611] SPRINGS
	475184	CHROME MOLY- USE WITH [466204] & [466354] SPRIN
Rocker Arms	498404	LONG SLOT
Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX N
	MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
		NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
		TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
	500074	PRESSURE 350 LBS. EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
	500674	LBS.
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
	501004	TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS
	501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT
	001014	TREATED FOR GUIDE PLATES (ONE PIECE
		CONSTRUCTION)
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKE
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKEF
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKE
		ARM STUDS. (RAISED)
	MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKE
		ARM STUDS. (RAISED)

Line			
No.	Part Title	Part No.	Description
12	302 ENG - 1967-69 - 8 Cyl. 4	.00 Bore	
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	40201	EXCLUDES STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40500	EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	EXCLUDES STOCK ROLLER CAM ENGINES. RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN STOCK PUMP. INCLUDES SCREEN.
	Continued on Next Page	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.

Line No.	Part Title	Part No.	Description
12	302 ENG - 1967-69 - 8 Cyl. 4.00		Description
	Oil Pump	10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
		10550	
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL
		10551	VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER
			SCREEN.
		10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL
		10002	VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page		

Part Title	Part No.	Description
302 ENG - 1967-69 - 8		Decemption
Oil Pump	10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
		5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)
		FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
		SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
		INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
		ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON
	40550	OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	10553	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.
	10554	FEATURES STEEL GEARS; STANDARD VOLUME
	10554	VERSION OF THE 10551 PUMP.
	10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
		VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
		EXTENDED INTO COVER FOR SUPPORT. RELIEF
		VALVE SPRING HAS SCREW IN PLUG. INCLUDES
		[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
		STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
		SCREEN CAN BE USED WITH THIS PUMP.
	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
		5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
		SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
		INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
		ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
		PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
		ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
		PLUG. INCLUDES [12550] CHROME MOLY
		INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
	10990C	STOCK SPRING. RACING APPLICATIONS ONLY. (MELLING PATENT
	105500	5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
		FEATURES: SHAFTS EXTENDED INTO COVER FOR
		SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
		INCLUDES [12550] CHROME MOLY INTERMEDIATE
		SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
		GROOVES.
Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
		NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
		ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
		FOR 10555 PUMP.
	12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE
	12000	PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
		HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		DOWN TO CUSTOM FIT YOUR APPLICATION.
	12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE
		PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
		HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		DOWN TO CUSTOM FIT YOUR APPLICATION.
Continued on Next Page		

Line					<b>-</b>		
No.	Part Title	Part No.			Description		
12	302 ENG - 1967-69 - 8 Cyl. 4.00						TDACK
	Oil Pump Screen	12564	PAN. NOT CLEARAN ALLOWS 3	E: MESH IS CE BETWEE 3/16" TO 1/4"	SE WITH 7" I TO THE RIG IN THE BOL ADJUSTME PPLICATION	HT. NOTE: TS AND THI NT UP OR I	E HOLES
		12566	BOLT ON S PAN. NOT CLEARAN ALLOWS 3 CUSTOM F	SCREEN. US E: MESH IS CE BETWEE 3/16" TO 1/4" FIT YOUR AI	SE WITH 7 1 TO THE RIG IN THE BOL ADJUSTME PPLICATION	/2" DEEP O' HT. NOTE: TS AND THI NT UP OR I I.	DOWN TO
	Oil Pump Drive Shaft	12550	STRENGT	H (150,000 F	E INTERMED PSI) CHROM TAINER WH SHAFT	E MOLY ST	EEL.
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 Bore					
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	1982-1987 HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-1	204 214	278 288	.421 .444	107 117	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	1982-1987 OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	Int. Exh. 257 270	Int. Exh. 304 320	Int. Exh. .494 .512	Int. Exh. 108 116	112
	1982-1987 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106
	1982-1987 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105
	1982-1987 OEM #3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200. <i>Continued on Next Page</i>	22410	254 254	294 294	.484 .484	110 118	114

Line		PERFOR		HEVROLE	I CARS &	TRUCKS (	Continued)
No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7	74 Bore					
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 OEM #3965754.	22450	262 273	309 318	.512 .536	108 116	112
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 CLASS II. NOT	С-400-Р	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	1982-1987 USE ONLY IN 1987 &	22107	208 208	280 280	.408 .408	107 113	110
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.	00100	101 101	000 070	007 000	101 101	101
	1982-1987 USE ONLY IN 1987 &	22108	184 194	260 270	.367 .398	104 104	104
	OLDER S.B. CHEVY ENG						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	1982-1987 USE ONLY IN 1987 &	22109	194 204	270 278	.398 .421	104 104	104
	OLDER S.B. CHEVY ENG	22103	134 204	210 210	.590 .421	104 104	104
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.						
	1982-1987 USE ONLY IN 1987 &	22110	204 214	278 288	.421 .443	110 110	110
	OLDER S.B. CHEVY ENG					-	
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	1987-1993 CLASS I. NOT	22111	194 204	270 278	.398 .421	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7				Description		
10	Camshafts Using Hydraulic Flat			_		_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	1982-1987 USE ONLY IN 1987 &	22114	208 208	280 280	.420 .420	106 116	111
	OLDER S.B. CHEVY ENG	22114	200 200	200 200	.420 .420	100 110	
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1400-4900.						
	1982-1987 USE ONLY IN 1987 &	22115	209 216	283 286	.435 .455	107 117	112
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000.						
	1982-1987 USE ONLY IN 1987 &	22126	194 214	268 288	.398 .441	107 117	112
	OLDER S.B. CHEVY ENG						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1250-4750.						
	1982-1987 OEM# 3863151.	22200	223 223	290 290	.447 .447	110 118	114
	CLASS II. NOT CALIFORNIA	22200	220 220	230 230			117
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	1982-1987 USE ONLY IN 1987 &	22203	214 224	288 298	.444 .466	107 117	112
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	1982-1987 OEM# 3896962 CLASS	22210	224 224	291 287	.450 .460	114 114	114
	II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.		014.014	007 007		107 117	110
	1982-1987 USE ONLY IN 1987 &	22213	214 214	287 287	.444 .444	107 117	112
	CARBURETTED 267-350 CID V8. CLASS II. NOT CALIFORNIA						
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	1700-5200.						
	Continued on Next Page						
					1		

Line					I CANS &		Continued)
No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7	4 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 USE ONLY IN 1987 &	22215	218 218	295 295	.429 .429	108 112	110
	OLDER S.B. CHEVY ENG						
	EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5000.						
	1982-1987 CLASS II. NOT	22230	214 214	287 287	.444 .444	105 115	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5300.		000.001	004 007	400 400	100 111	110
	1982-1987 CLASS II. NOT	22232	220 231	304 287	.468 .480	106 114	110
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5700. 1982-1987 CLASS II. NOT	22233	224 224	300 300	.436 .436	107 109	108
		22233	224 224	300 300	.436 .436	107 109	108
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2200-5800.						
	1982-1987 CLASS II. NOT	22234	224 230	283 291	.480 .486	107 113	110
	CALIFORNIA COMPLIANT. NOT	22234	224 230	203 291	.400 .400	107 113	110
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1982-1987 CLASS II. NOT	22235	224 224	224 224	.465 .465	112 112	112
	CALIFORNIA COMPLIANT. NOT	22200			.+00 .+00	112 112	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1982-1987 CLASS III. NOT	22301	232 232	288 288	.480 .480	106 110	108
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS III. NOT	22303	224 234	298 304	.466 .488	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1982-1987 CLASS III. NOT	22305	234 244	303 313	.488 .508	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2700-6200.						
	1982-1987 CLASS III. NOT	22320	230 230	304 304	.453 .453	112 116	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1982-1987 CLASS IV. NOT	22401	244 254	313 328	.508 .533	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6700.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
13	305 ENG - 1976-93 - 8 Cyl 3.7						
	Camshafts Using Hydraulic Flat		Degrade	Degrade	Inches	Degrees	Degrade
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Lobe cntr.	Degrees Separation
	••		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1982-1987 CLASS IV. NOT	22460	246 246	302 302	.508 .508	106 112	109
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3300-6800.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1987-1993 CLASS I. NOT	22129	198 210	273 288	.434 .462	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.						
	1987-1993 CLASS I. NOT	22131	207 214	271 280	.410 .427	117 117	117
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	1987-1987 305 ONLY. CLASS I.	22221	197 206	261 276	.433 .450	105 114	109
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4500.	22208	000,000	007 007	470 501	100 110	11/
	1987-1993 CLASS II. NOT	22298	222 232	297 307	.478 .501	109 119	114
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1987-1993 GROSS VALVE LIFT	22397	234 238	296 300	.538 .546	107 117	112
	.528 INT528 EXH. CLASS III.	22007	204 200	230 300	.550 .540		112
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6200.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	•
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16]; CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000		0.1 - 2 - 1	00 1 1	475	405	
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200						
	Continued on Next Page						

Line		Dout No.			Deceriation			
No. 13	Part Title 305 ENG - 1976-93 - 8 Cyl 3.7	Part No. 4 Bore			Description			
	Camshafts Using Hydraulic		Destrate	Deerroop	Inches	Deerroop	Destrates	
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110	
	ROLLER LIFTERS [SB817RF16]						-	
	AND [SB079RF16] CLASS II. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1700-5300							
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112	
	ROLLER LIFTERS [SB817RF16]							
	AND [SB079RF16] Mell Lube	M 40040						
	Torque Cam Lifter Kit	M-10012 CL-MTC-1		SSEMBLY L	DBRICANT D. NOT COI			
	Torque Cam Enter Kit				VES LOW-M		SE	
					VITH CARBL			
							S 1-[MTC-1]	
					ERS & 4OZ			
				-	[VS-380] SPI			
			HGT. OF 1.72					
	Mechanical Flat Tappet Lifters	JB-992					ER,	
			SPECIAL DESIGNED METERING SYSTEM					
	Hydraulic Flat Tappet Lifters	298174	1982-1987 USE FACTORY SETTING					
		298184				AT ZERO LASH; MUST		
		15 0070	BE USED W/ ADJUSTABLE VALVE TRAIN					
	Hydraulic Roller Lifters Hydraulic Retro-fit Roller Lifters	JB-2079 SB079RF16	1982-1987 STOCK TYPE REPLACEMENT LIFTER					
	Hydraulic Retro-III Roller Litters	300/9NF10	1986-1993 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFT [22135], [22136], [22237], [22238],					
			[22398]			00], [22207],	[22200],	
		SB817RF16		RETRO-FIT	LIFTER FO	R USE W/ R	ETRO-FIT	
			ROLLER C	AMSHAFT [	22135], [221	36], [22237],	[22238],	
			[22398]					
	Valve Locks	476104			D 11/32" STE			
	Valve Spring with Mechanical	466114			SE WITH [224			
	Lifters		[22450] CA O.D.	MS- MACHI	NING MAY E	SE REQUIRE	ED 1.430	
		466274	_		E WITH [224	10] [22/00]	8 [22/50]	
		400274			AY BE REQU			
		466364		1.260 O.D.				
	Valve Spring with Hydraulic	VS-380	1982-1987	STOCK RE	PLACEMEN	T. USE WITH	H [MTC-1],	
	Lifters		[22111], [2	2107], [2210	8], [22109], [	22114] & [22	215]	
					EIGHT OF 1	.72 (MACHII	NING MAY	
			BE REQUI	,				
		VS-739			PLACEMEN			
				-	S- NOTE: AS			
		466204			REQUIRED ( [22303], [223			
		400204			[22303], [223 )F 1.72- MAC		-	
			REQUIRE		71 1.72- IVIAU			
	<u> </u>	466354			MTC-1, (221	10), (22115)	, (22200).	
					03), (22320),			
				<i>,</i> , , , , , , , , , , , , , , , , , ,	DF 1.72 - MA	. ,		
			REQUIRE	D				
	Continued on Next Page							

Line No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl 3.	74 Bore	· · ·
	Valve Spring Retainers	475074	1982-1987 CHROME MOLY- USE WITH [46611] SPRINGS
	<b>3 3 3</b>	475184	1982-1987 CHROME MOLY- USE WITH [466204] &
			[466354] SPRINGS
	Rocker Arms	498404	1982-1987 LONG SLOT
	Rocker Arm Stud	MRDS-2920	1982-1987 2.325 OVERALL LENGTH, 3/8" DIAMETER
			WITH HEX NUT
		MRDS-941	1982-1987 2.560 OVERALL LENGTH, 7/16" DIAMETER
			WITH HEX NUT
	Chrome Moly Push Rods	500314	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD
	-		LENGTH- HEAT TREATED FOR GUIDE PLATES. MAX.
			SPRING PRESSURE 350 LBS.
		500614	1982-1987 EXC. ROLLER 5/16" DIA. + .100 O/S
			LENGTH-HEAT TREATED FOR GUIDE PLATES MAX.
			SPRING PRESSURE 350 LBS.
		500674	1982-1987 EXC. ROLLER 3/8" DIA. MAX. SPRING
			PRESSURE 350 LBS.
		501004	1982-1987 EXC. ROLLER 5/16" DIA. STANDARD LENGTH
			- HEAT TREATED FOR GUIDEPLATES (ONE PIECE
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501014	1982-1987 EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH -
			HEAT TREATED FOR GUIDE PLATES (ONE PIECE
			CONSTRUCTION)
		501024	1982-1987 EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH -
			HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	1982-1987 EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH -
			HEAT TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	1982-1987 5/16" THICK-MUST BE USED WITH
			SCREW-IN ROCKER ARM STUDS. (FLAT)
		MGP1014	1982-1987 3/8" THICK-MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (FLAT)
		MGP1024	1982-1987 3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS. (RAISED)
		MGP1034	1982-1987 5/16" THICK- MUST BE USED WITH
	Coor Drive Set	49400	SCREW-IN ROCKER ARM STUDS. (RAISED)
	Gear Drive Set	48400	1984-1988 NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. CAR APPLICATIONS ONLY
		48400	1976-1993 NOISY - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
	Continued on Next Page		
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Line			IMANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl	3.74 Bore	
	Gear Drive Set	48400Q	1976-1993 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
		48400Q	1976-1993 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
			ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY.
		48400Q	1984-1988 QUIET - INCLUDES 8620 CARBURIZED STEEL
			GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
			BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
			CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
			FOR STREET AND STRIP, CLAIMER AND RACING
		40450	ENGINES UP TO 6,500 RPM. CAR APPLICATIONS ONLY.
		48450	1987-1993 INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND
			BOLTS, ADJUSTED W/5 COLOR CODED DOWEL PIN
			HOLE INSERTS. RECOMMENDED FOR STREET AND
			STRIP, CLAIMER AND RACING ENGINES UP TO 6,500
			RPM. CAR APPLICATIONS ONLY
	3pc Set	40201	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
			CARS AND TRUCKS INCLUDES DOUBLE ROLLER
			CHAIN, CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
		40400	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
			CARS AND TRUCKS INCLUDES DOUBLE SEAMLESS
			SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET
		40500	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES,
			CARS AND TRUCKS INCLUDES SINGLE SEAMLESS
			SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM
		48500T-9	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. 1976-1993 RECOMMENDED FOR STREET AND STRIP,
		405001-9	CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			EXC. VIN E AND CA EMISSIONS, INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
			THRUST BEARINGS.
		48500W-9	1976-1993 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			EXCLUDES VIN E AND CA EMISSIONS INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Continued on Next Page		

Line	Devit Title	David Nie	Description
No.	Part Title 305 ENG - 1976-93 - 8 Cyl 3.7	Part No.	Description
15	3pc Set	40520	1982-1987 EXCLUDING STOCK ROLLER CAM ENGINES.
	Spc Sec	40320	BACING APPLICATIONS ONLY. CARS AND TRUCKS
			INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET
			WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY
			CRANK SPROCKET
	Oil Pump	M-99HV-S	1982-1987 HI VOL PUMP- MORE VOL AND PRESSURE
			THAN STOCK PUMP. INCLUDES SCREEN.
		10050-700CT	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
			25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE
			TRACK RACING.
		10050-750SS	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
			25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 7.5" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP.
		10050-825SS	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME
		10030-02333	25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 8.25" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP.
		10055-700CT	1982-1987 (MELLING PATENT 5,810,571) STANDARD
			VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET
			SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE
		10055-750SS	TRACK RACING. 1982-1987 (MELLING PATENT 5,810,571) STANDARD
		10055-75055	VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM
			BILLET. HEAVY DUTY SHAFT SUPPORT AND
			PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN
			FOR 7.5" PAN INTEGRATED INTO PUMP BODY.
			INCLUDES OPTIONAL RELIEF SPRINGS, STUD
			MOUNTING KIT AND CHROME MOLY I/S SHAFT.
			STREET AND STRIP.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
13	305 ENG - 1976-93 - 8 Cyl 3.	74 Bore	
	Oil Pump	10055-825SS	1982-1987 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT.
		10550	STREET AND STRIP. 1982-1987 EXC CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	1982-1987 EXC CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN.
		10552	1982-1987 (MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10552C	1982-1987 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. REFIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	1982-1987 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10550 PUMP.
		10554	1982-1987 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	1982-1987 (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page	10555C	1982-1987 RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.

Line No.	Part Title	Part No.			Description				
13	305 ENG - 1976-93 - 8 Cyl 3.7				Description				
15	Oil Pump	10990	1982-1987 (MELLING PATENT 5,810,571) HI VOLUME						
		10990		% ADDL VOI					
			•	PPORT. RELIEF					
				S SCREW IN					
						-	-		
				CLUDES ST					
		10990C		RACING AP			ELLING		
			PATENT 5	,810,571) HI	VOL PUMP	(25% ADDL	VOL OF		
			OIL) FEAT	URES: SHAF	TS EXTEN	DED INTO C	OVER FOR		
			SUPPORT	. RELIEF VA	LVE HAS SO	CREW IN PL	UG.		
				6 [12550] CH					
				TH STEEL G	UIDE. HAS	ANTI-CAVIT	ATION		
			GROOVES						
	Oil Pump Screen	12557		BOLT ON S					
				I. NOTE: CLE					
				ES ALLOWS					
				OR 10555 P		PLICATION.	TION. BOLT ON		
		12558		BOLT ON S		E WITH 7 1/2	2" DEEP		
		12000		PE PAN. N					
				ID HOLES A					
			UP OR DO	WN TO CUS	STOM FIT YO		ATION.		
		12559	1982-1987	BOLT ON S	CREEN. US	E WITH 8" D	EEP		
			STOCK TY	PE PAN. N	OTE: CLEAF	RANCE BET	VEEN THE		
			BOLTS AN	ID HOLES A	LLOWS 3/16	TO 1/4" AD	JUSTMENT		
				OR DOWN TO CUSTOM FIT YOUR APPLICATION.					
		12564					" DEEP OVAL		
							GHT. NOTE:		
					WEEN THE BOLTS AND THE HOLES 1/4" ADJUSTMENT UP OR DOWN TO				
		12566				PPLICATION. CREEN. USE WITH 7 1/2" DEEP			
		12000		CK PAN. NC					
				EARANCE B					
			HOLES AL	LOWS 3/16"	TO 1/4" AD	JUSTMENT	UP OR		
			DOWN TO	CUSTOM F	IT YOUR AP	PLICATION.			
	Oil Pump Drive Shaft	12550	1982-1987	PERFORM	ANCE TYPE	INTERMED	IATE		
				GH STRENG	•	,			
				PROVED SH			LOCKS		
			ONTO THE	E OIL PUMP	DRIVE SHA	FI			
14	307 ENG - 1968-73 - 8 Cyl 3 7	/8 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110		
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND.	MTC-1	204 214	278 288	.421 .444	107 117	112		
	USE [VS-380] SPRING W/								
	INSTALLED HGT. OF 1.72. USE								
	ONLY WITH CARBURETTED								
	ENGINES. CLASS I. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1000-4500.								
	Continued on Next Page								
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Line					T CARS &		continueu)
No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7	/8 Bore	•				
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	440
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300. CLASS IV. NOT CALIFORNIA	00400	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER	22402	240 250	282 290	.521 .521	104 108	106
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	22404	230 200	230 230	.550 .550	33 111	105
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	С-400-Р	223 223	290 290	.447 .447	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 & OLDER S.B.	22107	208 208	280 280	.408 .408	107 113	110
	CHEVY ENG EQUIPPED WITH						
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	1000-4500.						
	USE ONLY IN 1987 & OLDER S.B.	22108	184 194	260 270	.367 .398	104 104	104
	CARBURETTED 267-350 CID V8.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED	22103	104 204	210 210	.000 .421	104 104	104
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7				200011911011		
	Camshafts Using Hydraulic Flat		5	_		5	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	USE ONLY IN 1987 AND OLDER	22110	204 214	278 288	.421 .443	110 110	110
	S.B. CHEVY ENG EQUIPPED	22110	204 214	270 200			110
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.		000 000	000 000	447 447	110 110	444
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22202	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED	22203	214 224	200 290	.444 .400	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED	-		_			
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	Continued on Next Page						
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Line							Continued)
No.	Part Title	Part No.			Description		
14	307 ENG - 1968-73 - 8 Cyl 3 7	7/8 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000. CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	22230	214 214	207 207	.444 .444	105 115	110
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800. CLASS II. NOT CALIFORNIA	00004	004 000	000 001	400 400	107 110	110
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22234	224 230	283 291	.480 .486	107 113	110
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		00000	004 004	000 004	400 400	107 117	110
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22303	224 234	298 304	.466 .488	107 117	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.		044.07/	010.000	500 505	107 11-	
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	3300-6700.						
	Continued on Next Page						
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<b>)</b> .	Part Title	Part No.			Description		
4	307 ENG - 1968-73 - 8 Cyl 3 7	/8 Bore					
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22460	Int. Exh. 246 246	Int. Exh. 302 302	Int. Exh. .508 .508	Int. Exh. 106 112	109
-	COMPATIBLE. POWER RANGE 3300-6800. Camshafts Using Hydraulic						
	Retro-fit Roller Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500	22135	206 214	265 274	.470 .490	108 116	112
-	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1500-5000	22136	215 230	284 310	.470 .480	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200	22237	215 224	284 296	.470 .490	108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300	22238	215 215	284 284	.470 .470	106 114	110
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16]	22398	234 238	296 300	.538 .546	107 117	112
	Mell Lube	M-10012		SSEMBLY L			
	Torque Cam Lifter Kit	CL-MTC-1	IMPROVES WITH CAP COMPLIAN LIFTERS & USE [VS-3	S LOW-MID. BURETTED NT. KIT INCL & 40Z MELL 80] SPRING	OMPUTER C PERF. USE ENGINES. I UDES 1-[M1 LUBE. CHEC W/INSTALL	(VS-380). U NOT CALIFO C-1] CAM, CK FOR CO ED HGT. OF	SE ONLY )RNIA 16-[JB-817] IL BIND. <sup>-</sup> 1.72
	Mechanical Flat Tappet Lifters	JB-992	DESIGNE	D METERING		TER, SPECI	AL
	Hydraulic Flat Tappet Lifters	298174 298184	ANTI-PUM	ORY SETTI P UP, SET A BLE VALVE	AT ZERO LA	SH; MUST E	E USED W/
ļ	Hydraulic Roller Lifters	JB-2079			CEMENT LIF		
	Hydraulic Retro-fit Roller Lifters	SB817RF16		T LIFTER FO TS [22135],	DR USE W/ F		
	Valve Locks	476104		D 11/32" ST			,[000]

Part Title	Part No.	Description
307 ENG - 1968-73 - 8 Cyl 3 7	7/8 Bore	•
Valve Spring with Mechanical	466114	OUTER- USE WITH [22410], [22415], [22400] & [22450]
Lifters		CAMS- MACHINING MAY BE REQUIRED 1.430 O.D.
	466274	INNER- USE WITH [22410], [22400] & [22450] CAMS-
		MACHINING MAY BE REQUIRED 1.080 O.D.
	466364	1.260 O.D.
Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
Lifters		[22107], [22108], [22109], [22114] & [22215] CAMS- NOTE
		ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED
	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
		[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
		MACHINING MAY BE REQUIRED CHROME VANADIUM
	466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM
		HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
	466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),
		(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE:
	475074	ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED
Valve Spring Retainers	475074	CHROME MOLY- USE WITH [46611] SPRINGS
Deeker Arme	475184	CHROME MOLY- USE WITH [466204] & [466354] SPRIN LONG SLOT
Rocker Arms Rocker Arm Stud	498404 MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX N
Rocker Arm Stud	MRDS-2920 MRDS-941	2.560 OVERALL LENGTH, 3/8 DIAMETER WITH HEX W
	MIND3-941	NUT
Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
	000014	TREATED FOR GUIDE PLATES. MAX. SPRING
		PRESSURE 350 LBS.
	500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
		TREATED FOR GUIDE PLATES MAX. SPRING
		PRESSURE 350 LBS.
	500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
		LBS.
	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
		TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
	501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES (ONE PIECE
	501004	CONSTRUCTION) EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
	501024	TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKEP
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (RAISED)
	MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKE

Line No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7		
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			TO 6,500 RPM. CAR APPLICATIONS ONLY
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			TO 6,500 RPM.
		48450	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, ADJUSTED W/
			5 COLOR CODED DOWEL PIN HOLE INSERTS.
			RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. TRUCK
			AND RACING ENGINES OF TO 0,500 REM. TROCK
-	3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
	Spc Sec	40201	DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
		40400	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40500	EXCLUDING STOCK ROLLER CAM ENGINES INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
		48500W-9	FIT ROLLER THRUST BEARINGS. RECOMMENDED FOR STREET AND STRIP, CIRCLE
		4050077-9	TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		40520	EXCLUDING STOCK ROLLER CAM ENGINES. RACING
			APPLICATIONS ONLY. INCLUDES 3/8" HY-VO TEC
			CHAIN, CAM SPROCKET WITH LIGHTENING HOLES &
			9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
			STOCK PUMP. INCLUDES SCREEN.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)				
No.	Part Title	Part No.	Description				
14	307 ENG - 1968-73 - 8 Cyl 3 7/8 Bore						
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.				
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE				
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR				
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES				
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT				
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK				
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.				
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS, SCREW IN VALVE, SCREEN FOR 7.5" PAN				
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL				
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME				
			MOLY I/S SHAFT. STREET AND STRIP.				
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.				
		10000 02000	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE				
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN				
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL				
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME				
			MOLY I/S SHAFT. STREET AND STRIP.				
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.				
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE				
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR				
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES				
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT				
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.				
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.				
		10033-73033	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE				
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN				
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL				
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME				
			MOLY I/S SHAFT. STREET AND STRIP.				
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.				
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.				
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE				
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN				
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME				
			MOLY I/S SHAFT. STREET AND STRIP.				
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) -				
			FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/				
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN.				
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL				
			VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/				
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER				
			SCREEN.				
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
14	307 ENG - 1968-73 - 8 Cyl 3 7	7/8 Bore	•
	Oil Pump	10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
		10000	VERSION OF THE 10550 PUMP.
		10554	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
			NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
	0 / N / D		FOR 10555 PUMP.
	Continued on Next Page		

Line				HEVROLE			,	
No. 14	Part Title 307 ENG - 1968-73 - 8 Cyl 3	Part No.			Description			
14	Oil Pump Screen			SCREEN. US				
	Oil Pump Screen	12558	PAN. NOT HOLES AL	E: CLEARA	NCE BETWE TO 1/4" ADJ	EEN THE BC	ITS AND	
		12559		SCREEN. US				
		12335	PAN. NOT	E: CLEARA	NCE BETWE	EEN THE BC	LTS AND	
				CUSTOM F				
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK					
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:					
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES					
			ALLOWS 3	3/16" TO 1/4"	ADJUSTME	NT UP OR I	DOWN TO	
			CUSTOM	FIT YOUR A	PPLICATION	۱.		
		12566	BOLT ON	SCREEN. US	SE WITH 7 1	/2" DEEP O	AL TRACK	
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:					
			CLEARAN	CE BETWEE	N THE BOL	TS AND TH	E HOLES	
			ALLOWS 3	3/16" TO 1/4"	ADJUSTME	NT UP OR I	DOWN TO	
			CUSTOM	FIT YOUR A	PPLICATION	۱.		
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH					
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.					
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO					
			THE OIL PUMP DRIVE SHAFT					
15	5.3-T,Z (325) ENG - 1999-09 - 8	Cyl 3.78 Bore	)					
	Mell Lube	M-10012		SSEMBLY L				
	Oil Pump	10295		STANDARI				
				IVE COATIN	G. SCREW	IN VALVE. U	ISES 7/8"	
			BOLT ON					
		10296						
				I VALVE. US				
16				S OPTIONAL	III PRESSU	INE SPRING	l <b>.</b>	
16	5.3-O,J,3 (325) OHV ENG - 200							
	Mell Lube Oil Pump	M-10012 10355	-	SSEMBLY L HE, SUBUR			1000/	
		10355		. OF OIL) GE			•	
				D BODY, CA				
				DJUSTABLE				
			SPRING.					
17	327 ENG - 1962-69 - 8 Cyl 4.0	00 Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTC-1	204 214	278 288	.421 .444	107 117	112	
	PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/ INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.							
	Continued on Next Page							

Line	D	5			<b>.</b>		
No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0	U Bore					1
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3927140 CLASS IV. NOT	22400	257 270	304 320	.494 .512	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3700-7300.		0.40, 050	000.000	504 504	101 100	100
	CLASS IV. NOT CALIFORNIA	22402	240 250	282 290	.521 .521	104 108	106
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 2700-6200.						
	CLASS IV. NOT CALIFORNIA	22404	258 266	290 298	.538 .556	99 111	105
	COMPLIANT. NOT COMPUTER	22404	200 200	230 230	.000 .000	33 111	105
	COMPATIBLE. POWER RANGE						
	3700-7300.						
	OEM #3849346 CLASS IV. NOT	22410	254 254	294 294	.484 .484	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	OEM #3965754. CLASS IV. NOT	22450	262 273	309 318	.512 .536	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3600-7200.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
	CLASS II. NOT CALIFORNIA	C-400-P	Int. Exh. 223 223	Int. Exh. 290 290	Int. Exh. .447 .447	Int. Exh. 110 118	114
	COMPLIANT. NOT CALIFORNIA	C-400-P	223 223	290 290	.447 .447	110 110	114
	COMPATIBLE. POWER RANGE						
	2100-5600.						
	USE ONLY IN 1987 AND OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE 1000-4500.						
	USE ONLY IN 1987 AND OLDER	22108	184 194	260 270	.367 .398	104 104	104
	S.B. CHEVY ENG EQUIPPED WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	Continued on Next Page						

Line							Continued)
No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0	0 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22110	204 214	278 288	.421 .443	110 110	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		00114	000.000	000 000	400 400	106 116	
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350 CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED	22115	203 210	200 200	.400 .400	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT		<i></i>	231 201		117 114	114
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0				Becomption		
	Camshafts Using Hydraulic Flat		-	_		_	_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparation
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED	22215		207 207		107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000. CLASS II. NOT CALIFORNIA	00000	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT CALIFORNIA	22230	214 214	20/ 20/	.444 .444	105 115	110
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5500. CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER	22235	224 224	224 224	.405 .405	112 112	112
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.				100 500		
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER		200 200		. 10000		
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						
	-		1	1	1	1	1

Line			MANCE - C				,
No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0	0 Bore		1			1
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700. CLASS IV. NOT CALIFORNIA	00400	040.040	000,000	500 500	106 112	100
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22460	246 246	302 302	.508 .508	106 112	109
	COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic			_			
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
		22135	206 214	265 274	.470 .490	108 116	112
	FOR USE WITH RETRO-FIT ROLLER LIFTER [SB817RF16]	22133	200 214	200 214	.470 .490		112
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]	22130	213 230	204 310	.470 .400	100 114	110
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	22207	210 224	204 200	.470 .400	100 110	112
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER {SB817RF16]	22200	210 210	201 201		100 111	110
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]		201 200	200 000			
	CLASS III. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		
	Torque Cam Lifter Kit	CL-MTC-1	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE	
			IMPROVE	S LOW-MID	PERF. USE	(VS-380). US	SE ONLY
				RBURETTED			
				NT. KIT INCL			
				& 40Z MELL			
			•	80] SPRING			
	Mechanical Flat Tappet Lifters	JB-992		PE REPLAC		TER, SPECI	AL
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI			
		298184		IP UP, SET A		SH; MUST B	E USED W/
·	Hydraulic Roller Lifters	JB-2079		BLE VALVE PE REPLAC		TED	
	Hydraulic Retro-fit Roller Lifters	SB817RF16		T LIFTER FO			
	Hydraune neuo-ni honer Lineis			TS [22135],			
	Valve Locks	476104		ED 11/32" ST			, [000]
	Valve Spring with Mechanical	466114		SE WITH [22		5]. [22400] &	[22450]
	Lifters				• •		
	-	466274		SE WITH [22			
				IG MAY BE F			
		466364	1.260 O.D.				
	Valve Spring with Hydraulic	VS-380		EPLACEMEN	IT. USE WIT	H [MTC-1], [	22111],
	Lifters			2108], [2210			-
				GHT OF 1.72		-	
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4.0		
	Valve Spring with Hydraulic	VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
	Lifters		[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
			MACHINING MAY BE REQUIRED CHROME VANADIUM
		466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM
			HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
		466354	USE WITH MTC-1, (22110), (22115), (22200), (22210),
			(22213), (22203), (22320), (22301) CAMSHAFTS. NOTE:
			ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.
	Valve Spring Retainers	475074	CHROME MOLY- USE WITH [46611] SPRINGS
		475184	CHROME MOLY- USE WITH [466204] & [466354] SPRINGS
	Rocker Arms	498404	LONG SLOT
	Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
		MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
			NUT
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
			TREATED FOR GUIDE PLATES. MAX. SPRING
			PRESSURE 350 LBS.
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
			PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
			LBS.
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
			TREATED FOR GUIDEPLATES (ONE PIECE
-			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES (ONE PIECE
		501004	CONSTRUCTION) EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		501024	TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		501054	TREATED FOR GUIDE PLATES. (ONE PIECE
			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
	Guide Filles	Mai 1004	ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER AND RACING ENGINES
			TO 6,500 RPM.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4.	00 Bore	
	Gear Drive Set	48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
	3pc Set	40201	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40400	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40500	EXCLUDING STOCK ROLLER CAM ENGINES. INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	EXCLUDING STOCK ROLLER CAM ENGINES. RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN STOCK PUMP. INCLUDES SCREEN.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.
	Continued on Next Page	10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.

Line No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4.0		· · · · · · · · · · · · · · · · · · ·
	Oil Pump	10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.
		10055-750SS	MACING. (MELLING PATENT 5,810,571) STANDARD VOLUME.
		10055-75055	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
		40550	MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL
		10551	VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER
			SCREEN.
		10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON
			OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10550 PUMP.
	Continued on Next Page		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
17	327 ENG - 1962-69 - 8 Cyl 4		
	Oil Pump	10554	FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
		10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
			STOCK SPRING.
		10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
		100000	5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
			NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
			FOR 10555 PUMP.
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE
			PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12559	BOLT ON SCREEN, USE WITH 8" DEEP STOCK TYPE
			PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	BOLT ON SCREEN, USE WITH 7" DEEP OVAL TRACK
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
	Continued on Next Page		
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Line No.	Part Title	Part No.			Description		
17	327 ENG - 1962-69 - 8 Cyl 4.0	0 Bore					
	Oil Pump Drive Shaft	12550	STRENGT IMPROVEI	IANCE TYPE H (150,000 F D SHAFT RE PUMP DRIVE	PSI) CHROM	E MOLY ST	EEL.
18	350 ENG - 1967-02 - 8 Cyl 4.0	0 Bore					
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	1967-1987 HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-1	204 214	278 288	.421 .444	107 117	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	Int. Exh. 257 270	Int. Exh. 304 320	Int. Exh. .494 .512	Int. Exh. 108 116	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105
	OEM #3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114
	OEM #3965754. CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22450	262 273	309 318	.512 .536	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600. Continued on Next Page	С-400-Р	Int. Exh. 223 223	Int. Exh. 290 290	Int. Exh. .447 .447	Int. Exh. 110 118	114

Line		FENFON			I CANS &		Continued)
No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0	0 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE 1000-4500.						
	USE ONLY IN 1987 AND OLDER	22108	184 194	260 270	.367 .398	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE. POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED	22109	134 204	210 210	.530 .421	104 104	104
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22110	204 214	278 288	.421 .443	110 110	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.	00111	000.000	000 000	400 400	100 110	
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350 CID V8. CLASS I. NOT						
	CID V8. CLASS I. NOT CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.						
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED			200 200			
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	Continued on Next Page						
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Line No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0				Description		
10	Camshafts Using Hydraulic Flat		-	5		_	_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED	22120	104 214	200 200	.000 .441	107 117	112
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT	0	220 220	200 200			
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.						
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	Continued on Next Page						

Line							Continued)			
No.	Part Title	Part No.			Description					
18	350 ENG - 1967-02 - 8 Cyl 4.00 Bore									
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees			
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	2000-5500.									
	1967-1987 CLASS II. NOT	22235	224 224	224 224	.465 .465	112 112	112			
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 2200-5700. CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108			
	COMPLIANT. NOT COMPUTER	22301	202 202	200 200	.400 .400	100 110	100			
	COMPATIBLE. POWER RANGE									
	2500-6000.									
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	2200-5700.									
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	2700-6200.				450 450					
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114			
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE									
	2500-6000.									
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112			
	COMPLIANT. NOT COMPUTER	22401	211 201	010 020	.000 .000	107 117				
	COMPATIBLE. POWER RANGE									
	3300-6700.									
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	3300-6800.									
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees			
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
		00100	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	440			
	1987-1994 CLASS I. NOT	22129	198 210	273 288	.434 .462	108 116	112			
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.									
	POWER RANGE IDLE-4500.									
	1987-1994 CLASS I. NOT	22131	207 214	271 280	.410 .427	117 117	117			
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 1000-4500.									
	1987-1994 CLASS I. NOT	22221	197 206	261 276	.433 .450	105 114	109			
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE IDLE-4500.									
	Continued on Next Page									

Line No.	Part Title	Part No.			Description		
18	350 ENG - 1967-02 - 8 Cyl 4.0				2000011011011		
	Camshafts Using Hydraulic		Designed	Desire	la ale a a	Design	Deserves
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparation
	1987-1998 FOR ENGINE	22280	220 224	283 287	.495 .502	107 113	110
	ORGINALLY EQUIPPED W/	22200		200 207	.400 .002	107 110	110
	ROLLER CAM. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5200.						
	1987-1999 CLASS II. NOT	22298	222 232	297 307	.478 .501	109 119	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5500.						
	1987-1994 CLASS III. NOT	22397	234 238	296 300	.538 .546	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6200.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000						
	1967-1987 FOR USE WITH	22237	215 224	284 296	.470 .490	108 116	112
	RETRO-FIT ROLLER LIFTERS	22231	215 224	204 290	.470 .490	100 110	112
	[SB817RF16] AND [SB079RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5300						
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTERS [SB817RF16]						
	AND [SB079RF16]						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		
	Continued on Next Page						

Line			
No.	Part Title 350 ENG - 1967-02 - 8 Cyl 4.0	Part No.	Description
18	-		
	Torque Cam Lifter Kit	CL-MTC-1	1967-1987 CLASS I HYD. NOT COMPUTER
			(VS-380). USE ONLY WITH CARBURETTED ENGINES.
			NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-1]
			CAM, 16-[JB-817] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-380] SPRING W/INSTALLED
			HGT. OF 1.72
	Machanical Flat Tannat Liftana		STOCK TYPE REPLACEMENT LIFTER, SPECIAL
	Mechanical Flat Tappet Lifters	JB-992	DESIGNED METERING SYSTEM
	Hydraulic Flat Tappet Lifters	298174	USE FACTORY SETTING
	Hydraulic Flat Tappet Lifters		ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/
		298184	ADJUSTABLE VALVE TRAIN
	Hydraulic Roller Lifters	JB-2079	STOCK TYPE REPLACEMENT LIFTER
	Hydraulic Retro-fit Roller Lifters	SB079RF16	1986-2002 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
	Hydraulic Retro-III Roller Litters	300/9NF10	ROLLER CAMSHAFTS [22135], [22136], [22237], [22238],
			[22398]
		SB817RF16	1967-1985 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
		3001/11/10	ROLLER CAMSHAFTS [22135], [22136], [22237], [22238],
			[22398]
	Valve Locks	476104	HARDENED 11/32" STEM
	Valve Spring with Mechanical	466114	OUTER- USE WITH [22410], [22400] & [22450] CAMS-
	Lifters	400114	MACHINING MAY BE REQUIRED 1.430 O.D.
	Liners	466274	INNER- USE WITH [22410], [22400] & [22450] CAMS-
		400214	MACHINING MAY BE REQUIRED 1.080 O.D.
		466364	1.260 O.D.
	Valve Spring with Hydraulic	VS-380	STOCK REPLACEMENT. USE WITH [MTC-1], [22111],
	Lifters		[22107], [22108], [22109], [22114], [22215] CAMS- NOTE:
			ASM. HEIGHT OF 1.72 (MACHINING MAY BE REQUIRED)
		VS-739	STOCK REPLACEMENT. USE WITH [22303], [22305] &
			[22401] CAMS- NOTE: ASM HEIGHT OF 1.72-
			MACHINING MAY BE REQUIRED CHROME VANADIUM
		466204	USE WITH [22303], [22305] & [22401] CAMS- NOTE: ASM
			HEIGHT OF 1.72- MACHINING MAY BE REQUIRED
		466354	USE WITH [MTC-1], [22110], [22115], [22200], [22210],
			[22213], [22203], [22320] & [22301] CAMSHAFTS. NOTE:
			ASM HEIGHT OF 1.72 - MACHINING MAY BE REQUIRED.
	Valve Spring Retainers	475074	CHROME MOLY - USE WITH [466114] SPRINGS
		475184	CHROME MOLY - USE WITH [466204] & [466354]
			SPRINGS
	Rocker Arms	498404	LONG SLOT
	Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
		MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
			TREATED FOR GUIDE PLATES. MAX. SPRING
		F00011	PRESSURE 350 LBS.
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
		500074	
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
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Part Title	Part No.	Description
350 ENG - 1967-02 - 8 Cyl		Description
Chrome Moly Push Rods	501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
onionic mory r usir nous	001004	TREATED FOR GUIDEPLATES (ONE PIECE
		CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
	501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES (ONE PIECE
		CONSTRUCTION)
	501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
	501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		TREATED FOR GUIDE PLATES. (ONE PIECE
		CONSTRUCTION)
Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (FLAT)
	MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (RAISED)
	MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
		ARM STUDS. (RAISED)
Gear Drive Set	48400	1967-1988 NOISY - 8620 CARBURIZED STEEL GEARS,
		ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED W/5 COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND
		STRIP, CLAIMER, RACING ENGINES TO 6,500 RPM. VIN
		CODE 8 1982-86 ONLY. CAR APPLICATIONS ONLY.
	48400	1969-1996 NOISY - INCLUDES 8620 CARBURIZED STEEL
		GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
		BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
		CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
		FOR STREET AND STRIP, CLAIMER AND RACING
		ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
	48400Q	1969-1996 QUIET - INCLUDES 8620 CARBURIZED STEEL
		GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
		BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
		CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
		FOR STREET AND STRIP, CLAIMER AND RACING
		ENGINES TO 6,500 RPM. TRUCK APPLICATIONS ONLY
	48400Q	1967-1988 QUIET - 8620 CARBURIZED STEEL GEARS,
		ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
		TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
		DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
		STREET AND STRIP, CLAIMER, RACING ENGINES TO
		6,500 RPM. VIN 8 82-86 ONLY. CAR APPLICATIONS
	40450	
	48450	1987-1992 INCLUDES 8620 CARBURIZED STEEL
		GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS, ADJUSTED W/5 COLOR CODED DOWEL PIN
		HOLE INSERTS. RECOMMENDED FOR STREET AND
		STRIP CLAIMER AND BACING ENGINES UP TO 6 500
		STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. CARS AND TRUCK APPLICATIONS

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
18	350 ENG - 1967-02 - 8 Cyl		
	3pc Set	40201	1967-1992 EXCLUDES STOCK ROLLER CAM ENGINES INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
		40400	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES
		40400	INCLUDES DOUBLE SEAMLESS SOLID ROLLER CHAIN,
			CAST IRON CAM SPROCKET & MULTIPLE KEYWAY
			CRANK SPROCKET
		40500	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES.
			INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN
			(.335" ROLLER), CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET.
		48500T-9	1967-1988 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. VIN
			8 1982-86 ONLY. CAR APPLICATIONS ONLY. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500T-9	1969-1996 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. TRUCK APPLICATIONS ONLY INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER
			THRUST BEARINGS.
		48500W-9	1969-1996 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			TRUCK APPLICATIONS ONLY INCLUDES SEAMLESS
			DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL
			CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH
			+4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		48500W-9	1967-1988 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. VIN
			8 1982-86 ONLY. CAR APPLICATIONS ONLY. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	1967-1992 EXCLUDING STOCK ROLLER CAM ENGINES.
		40320	RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO
			TEC CHAIN, CAM SPROCKET WITH LIGHTENING
			HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	M-99HV-S	HI VOL PUMP- MORE VOL AND PRESSURE THAN
	·		STOCK PUMP. INCLUDES SCREEN.
		10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
	Continued on Next Page		

Line	De et Title	David Nie	Description
No.	Part Title 350 ENG - 1967-02 - 8 Cyl 4.0	Part No.	Description
18			
	Oil Pump	10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
		10050 00500	MOLY I/S SHAFT. STREET AND STRIP. (MELLING PATENT 5,810,571) HI VOLUME 25%.
		10050-825SS	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 8,25" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME.
		10000-10001	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, OFFSET SCREEN FOR
			7." PAN INTEGRATED INTO PUMP BODY. INCLUDES
			OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT
			AND CHROME MOLY I/S SHAFT. CIRCLE TRACK
			RACING.
		10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) -
			FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
		10551	STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II - 19MM INLET HI VOL PUMP (25% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER SCREEN.
		10552	MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL
		10332	VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page		
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Part Title	Part No.	Description
350 ENG - 1967-02 - 8	Cyl 4.00 Bore	•
Oil Pump	10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
		5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)
		FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
		SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
		INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
		ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT O
	10552	OR PRESS IN SCREEN CAN BE USED WITH THIS PUN FEATURES STEEL GEARS; STANDARD VOLUME
	10553	VERSION OF THE 10550 PUMP.
	10554	FEATURES STEEL GEARS; STANDARD VOLUME
	10554	VERSION OF THE 10551 PUMP.
	10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD
		VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
		EXTENDED INTO COVER FOR SUPPORT. RELIEF
		VALVE SPRING HAS SCREW IN PLUG. INCLUDES
		[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
		STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
		SCREEN CAN BE USED WITH THIS PUMP.
	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
		5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
		FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
		SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
		ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
	10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
	10000	ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
		COVER FOR SUPPORT. RELIEF VALVE HAS SCREW I
		PLUG. INCLUDES [12550] CHROME MOLY
		INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDE
		STOCK SPRING.
	10990C	RACING APPLICATIONS ONLY. (MELLING PATENT
		5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
		FEATURES: SHAFTS EXTENDED INTO COVER FOR
		SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
		INCLUDES [12550] CHROME MOLY INTERMEDIATE
		SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN
	12337	NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLE
		ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
		CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
		FOR 10555 PUMP.
	12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TY
		PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
		HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		DOWN TO CUSTOM FIT YOUR APPLICATION.
	12559	BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE
		PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
		HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		DOWN TO CUSTOM FIT YOUR APPLICATION.

Line No.	Part Title	Part No.	Description					
18	350 ENG - 1967-02 - 8 Cyl 4.0	00 Bore						
	Oil Pump Screen	12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.					
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK PAN. NOTE: MESH IS TO THE RIGHT. NOTE: CLEARANCE BETWEEN THE BOLTS AND THE HOLES ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO CUSTOM FIT YOUR APPLICATION.					
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT					
19	5.7-G,S (350) ENG - 1997-2004	- 8 Cyl 4.000 E	Bore					
	Camshafts Using Hydraulic Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATABLE. POWER RANGE 2000-5000.	22201	Int. Exh. 223 223	Int. Exh. 291 291	Int. Exh. .566 .566	Int. Exh. 110 118	114	
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT					
	Valve Spring Retainers	475234	CHROME					
	Oil Pump	10295 10296	COATING. SCREEN. HI VOLUM VALVE. US	SCREW IN E 18%. PRC SES 7/8" BO	HI PRESSU VALVE. USE TECTIVE CO LT ON SCRE JRE SPRING	es 7/8" Bol Dating. Sc En. Inclui		
20	6.0 (364) ENG - 1999-07 - 8 Cyl	- 4 00 Bore	01 11010/0					
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Oil Pump	10295	VIN CODE PRESSUR VALVE. US	S U,N ONLY E 10%. PRC SES 7/8" BO	STANDARE TECTIVE COLT ON SCRE	DATING. SC EEN.	REW IN	
		10296	COATING. SCREEN.	SCREW IN	' HI VOLUME VALVE. USE OPTIONAL H	S 7/8" BOL <sup>-</sup> II PRESSUR	ΓΟΝ E SPRING.	
		10355	2007-2007 (SUBURBAN, YUKON XL 1/2 TON) VIN Y ONLY HI VOL PUMP (33% ADDL VOL OF OIL) GEN III APPLICATIONS. STD VOL GEN IV APPLICATIONS. FEATURES: HARDCOAT ANODIZED BODY, CAST IRON PHOSPHATE COATED COVER, ADJUSTABLE					
	PRESSURE W/OPTIONAL SPRING.							
21	6-2-8 (378) OHV FNG - 2007 - 8	Cvl 4.06 Bore	2	ENGINE ASSEMBLY LUBRICANT				
21	6.2-8 (378) OHV ENG - 2007 - 8 Mell Lube	Cyl 4.06 Bore M-10012		SSEMBLY L	UBRICANT			

Line					I CARS &		Continued)
No.	Part Title	Part No.			Description		
21	6.2-8 (378) OHV ENG - 2007 - 8	Cyl 4.06 Bore					
20	Oil Pump	10355	ANODIZEL COVER, A SPRING. H APPLICAT FEATURES PHOSPHA	) BODY, CA DJUSTABLE II VOL PUMI IONS. STD \ S: HARDCO TE COATEE	EATURES: I ST IRON PH PRESSURE (33% ADD) (OL GEN IV AT ANODIZE COVER, AI NAL SPRING	OSPHATE C E W/OPTION L VOL OF O APPLICATIC ED BODY, C DJUSTABLE	COATED IAL IL) GEN III DNS. AST IRON
22	400 S.B. ENG - 1970-80 - 8 Cyl	4 1/8 Bore					
	Torque Camshaft HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-380] SPRING W/	MTC-1	Degrees .050" dur Int. Exh. 204 214	Degrees ADV. Dur Int. Exh. 278 288	Inches Valve lift Int. Exh. .421 .444	Degrees Lobe cntr. Int. Exh. 107 117	Degrees Separation 112
	INSTALLED HGT. OF 1.72. USE ONLY WITH CARBURETTED ENGINES. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
	OEM #3927140 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22400	Int. Exh. 257 270	Int. Exh. 304 320	Int. Exh. .494 .512	Int. Exh. 108 116	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2700-6200.	22402	240 250	282 290	.521 .521	104 108	106
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3700-7300.	22404	258 266	290 298	.538 .556	99 111	105
	OEM #3849346 CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22410	254 254	294 294	.484 .484	110 118	114
	OEM #3965754. CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3600-7200.	22450	262 273	309 318	.512 .536	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2100-5600.	С-400-Р	223 223	290 290	.447 .447	110 118	114
	Continued on Next Page						
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Line	Devis Title	Devit			D		
No.	Part Title 400 S.B. ENG - 1970-80 - 8 Cyl.	Part No.			Description		
22		- 4 1/8 Bore					1
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Litters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	USE ONLY IN 1987 AND OLDER	22107	208 208	280 280	.408 .408	107 113	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATBLE.						
	POWER RANGE 1000-4500.						
	USE ONLY IN 1987 AND OLDER	22108	184 194	260 270	.367 .398	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.		101	070	000 10	404 101	
	USE ONLY IN 1987 AND OLDER	22109	194 204	270 278	.398 .421	104 104	104
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE IDLE-4000.						
	USE ONLY IN 1987 AND OLDER	22110	204 214	278 288	.421 .443	110 110	110
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	USE IN 1987-95 S.B. CHEVY	22111	194 204	270 278	.398 .421	107 117	112
	ENG. CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	IDLE-4000.				100 100	100.110	
	USE ONLY IN 1987 AND OLDER	22114	208 208	280 280	.420 .420	106 116	111
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1400-4900.	00145	000.010	000 000	405 455	107 117	110
	USE ONLY IN 1987 AND OLDER	22115	209 216	283 286	.435 .455	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1500-5000.						
	Continued on Next Page						

Line							Continued)
No.	Part Title	Part No.			Description		
22	400 S.B. ENG - 1970-80 - 8 Cyl	4 1/8 Bore	1				1
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	USE ONLY IN 1987 AND OLDER	22126	194 214	268 288	.398 .441	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1250-4750.						
	OEM# 3863151. CLASS II. NOT	22200	223 223	290 290	.447 .447	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2100-5600.						
	USE ONLY IN 1987 AND OLDER	22203	214 224	288 298	.444 .466	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.		004 004	001 007	450 400		
	OEM# 3896962 CLASS II. NOT	22210	224 224	291 287	.450 .460	114 114	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5800.	00010	014 014	287 287		107 117	112
	USE ONLY IN 1987 AND OLDER	22213	214 214	287 287	.444 .444	107 117	112
	S.B. CHEVY ENG EQUIPPED						
	WITH CARBURETTED 267-350 CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200. USE ONLY IN 1987 AND OLDER	22215	218 218	295 295	.429 .429	108 112	110
	S.B. CHEVY ENG EQUIPPED	22215	210 210	295 295	.429 .429	100 112	110
	WITH CARBURETTED 267-350						
	CID V8. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	CLASS II. NOT CALIFORNIA	22230	214 214	287 287	.444 .444	105 115	110
	COMPLIANT. NOT COMPUTER	22250		207 207		100 110	110
	COMPATIBLE. POWER RANGE						
	1700-5300.						
	CLASS II. NOT CALIFORNIA	22232	220 231	304 287	.468 .480	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2000-5700.						
	CLASS II. NOT CALIFORNIA	22233	224 224	300 300	.436 .436	107 109	108
	COMPLIANT. NOT COMPUTER		<b></b> .				
	COMPATIBLE. POWER RANGE						
	2200-5800.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
22	400 S.B. ENG - 1970-80 - 8 Cyl.				Description		
LL	Camshafts Using Hydraulic Flat		_	_		_	_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	CLASS II. NOT CALIFORNIA	22234	224 230	283 291	.480 .486	107 113	110
	COMPLIANT. NOT COMPUTER		22. 200	200 201		107 110	
	COMPATIBLE. POWER RANGE						
	2000-5500.						
	CLASS II. NOT CALIFORNIA	22235	224 224	224 224	.465 .465	112 112	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22301	232 232	288 288	.480 .480	106 110	108
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.		004.004	000.001	400 400	107 117	440
	CLASS III. NOT CALIFORNIA	22303	224 234	298 304	.466 .488	107 117	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22305	234 244	303 313	.488 .508	107 117	112
	COMPLIANT. NOT COMPUTER	22000	201 211	000 010	. 100 .000	107 117	
	COMPATIBLE. POWER RANGE						
	2700-6200.						
	CLASS III. NOT CALIFORNIA	22320	230 230	304 304	.453 .453	112 116	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22401	244 254	313 328	.508 .533	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3300-6700.	00400	040.040	000,000	500 500	100 110	100
	CLASS IV. NOT CALIFORNIA	22460	246 246	302 302	.508 .508	106 112	109
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	3300-6800.						
	Camshafts Using Hydraulic		Dearcas	Dearcas	Inches	Dearcas	Dearcas
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22135	206 214	265 274	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500						
	FOR USE WITH RETRO-FIT	22136	215 230	284 310	.470 .480	106 114	110
	ROLLER LIFTER [SB817RF16]						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1500-5000 Continued on Next Page						
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Line No.	Part Title	Part No.	Description				
22	400 S.B. ENG - 1970-80 - 8 Cyl						
	Camshafts Using Hydraulic		Dee	Dee	lu el	Des	Dee
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22237	215 224	284 296	.470 .490	108 116	112
	ROLLER LIFTER [SB817RF16]	22231	213 224	204 290	.470 .490	100 110	112
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22238	215 215	284 284	.470 .470	106 114	110
	ROLLER LIFTER [SB817RF16]	0					
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5300						
	FOR USE WITH RETRO-FIT	22398	234 238	296 300	.538 .546	107 117	112
	ROLLER LIFTER [SB817RF16]						
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT CLASS I HYD. NOT COMPUTER COMPATIBLE.				
	Torque Cam Lifter Kit	CL-MTC-1					
			IMPROVE	S LOW-MID	PERF. USE	(VS-380). US	SE ONLY
			WITH CARBURETTED ENGINES. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-1] CAM, 16-[JB-81 LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.				
			USE [VS-380] SPRING W/INSTALLED HGT. OF 1.72				
	Mechanical Flat Tappet Lifters	JB-992	STOCK TY	PE REPLAC	CEMENT LIF	TER, SPECI	AL
				O METERINO			
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI			
		298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/				
			ADJUSTABLE VALVE TRAIN				
	Hydraulic Roller Lifters	JB-2079			EMENT LIF		
	Hydraulic Retro-fit Roller Lifters	SB817RF16			DR USE W/ F		
	Velve Leeke	476104		D 11/32" ST	[22136], [222 EM	237], [22238]	, [22398]
	Valve Locks Valve Spring with Mechanical	476104 466114			⊑ivi 2410], [2241§	1 [00400] 9	[22450]
	Lifters	400114		-	AY BE REQU		
		466274			410], [22400 <sup>-</sup>		
				-	REQUIRED 1		
		466364	1.260 O.D.				
	Valve Spring with Hydraulic	VS-380			IT. USE WIT	H [MTC-1], [	22111],
	Lifters				9], [22114], [2		•
			ASM. HEIC	GHT OF 1.72	(MACHININ	G MAY BE F	REQUIRED)
		VS-739	STOCK RE	EPLACEMEN	IT. USE WIT	H [22303], [2	22305] &
			[22401] CA	MS- NOTE:	ASM HEIGH	T OF 1.72-	
					REQUIRED (		
		466204			2305] & [2240	-	
					HINING MA		
		466354			110), (22115		
					20), (22301) (		
	<u> </u>	475075			- MACHININ		
	Valve Spring Retainers	475074			WITH [4661		
		475184		WOLY - USE	WITH [4662	:04] & [4663	04]
	Pookor Armo	409404	SPRINGS	דר			
	Rocker Arms	498404	LONG SLC	71			
	Continued on Next Page						

Line No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cy		Description
	Rocker Arm Stud	MRDS-2920	2.325 OVERALL LENGTH, 3/8" DIAMETER WITH HEX NUT
		MRDS-941	2.560 OVERALL LENGTH, 7/16" DIAMETER WITH HEX
			NUT
	Chrome Moly Push Rods	500314	EXC. ROLLER 5/16" DIA. STANDARD LENGTH- HEAT
	-		TREATED FOR GUIDE PLATES. MAX. SPRING
			PRESSURE 350 LBS.
		500614	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH-HEAT
			TREATED FOR GUIDE PLATES MAX. SPRING
			PRESSURE 350 LBS.
		500674	EXC. ROLLER 3/8" DIA. MAX. SPRING PRESSURE 350
			LBS.
		501004	EXC. ROLLER 5/16" DIA. STANDARD LENGTH - HEAT
			TREATED FOR GUIDEPLATES (ONE PIECE
			CONSTRUCTION) MAX. SPRING PRESSURE 500 LBS.
		501014	EXC. ROLLER 5/16" DIA. + .100 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES (ONE PIECE
		501004	
		501024	EXC. ROLLER 5/16" DIA. + .150 O/S LENGTH - HEAT
			TREATED FOR GUIDE PLATES. (ONE PIECE CONSTRUCTION)
		501034	EXC. ROLLER 5/16" DIA. + .200 O/S LENGTH - HEAT
		501034	TREATED FOR GUIDE PLATES. (ONE PIECE
_			CONSTRUCTION)
	Guide Plates	MGP1004	5/16" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1014	3/8" THICK-MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (FLAT)
		MGP1024	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1034	5/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
	Gear Drive Set	48400	1970-1976 NOISY - 8620 CARBURIZED STEEL GEARS,
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER, RACING ENGINES TO
		40400	6,500 RPM. S. B. CAR APPLICATIONS ONLY
		48400	1974-1980 NOISY - 8620 CARBURIZED STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER, RACING ENGINES TO
			6,500 RPM. S. B. TRUCK APPLICATIONS ONLY
		48400Q	1970-1976 QUIET - 8620 CARBURIZED STEEL GEARS,
		lonood	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER, RACING ENGINES TO
			6,500 RPM. S.B. CAR APPLICATIONS ONLY
	Continued on Next Page		
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Line No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cyl.		Description
66	Gear Drive Set	48400Q	1974-1980 QUIET - 8620 CARBURIZED STEEL GEARS,
	Geal Drive Set	40400Q	ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.
			TIMING ADJUSTED W/5 OPTIONAL COLOR CODED
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR
			STREET AND STRIP, CLAIMER, RACING ENGINES TO
			6,500 RPM. S.B. TRUCK APPLICATIONS ONLY
	3pc Set	40201	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
	000000		SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
-		40201	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET
			& MULTIPLE KEYWAY CRANK SPROCKET.
		40400	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40400	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			DOUBLE SEAMLESS SOLID ROLLER CHAIN, CAST IRON
			CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
		40500	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES
			SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
-		1000	KEYWAY CRANK SPROCKET.
		40500	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES SINGLE SEAMLESS SOLID ROLLER CHAIN (.335"
			ROLLER), CAST IRON CAM SPROCKET & MULTIPLE
			KEYWAY CRANK SPROCKET.
-		48500T-9	1970-1976 RECOMMENDED FOR STREET AND STRIP,
		405001-5	CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
		48500W-9	1970-1976 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
			SMALL BLOCK CAR APPLICATIONS ONLY INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cyl		Description
EE	3pc Set	48500W-9	1974-1980 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. SMALL BLOCK TRUCK APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE WASHER
		40520	1970-1976 EXCLUDING STOCK ROLLER CAM ENGINES. SMALL BLOCK CAR RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
		40520	1974-1980 EXCLUDING STOCK ROLLER CAM ENGINES. SMALL BLOCK TRUCK RACING APPLICATIONS ONLY INCLUDES 3/8" HY-VO TEC CHAIN, CAM SPROCKET WITH LIGHTENING HOLES & 9-MULTIPLE KEYWAY CRANK SPROCKET
	Oil Pump	10050-700CT	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.
		10050-750SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 7.5" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10050-825SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8.25" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
	Continued on Next Page	10055-700CT	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. OFFSET SCREEN FOR 7." PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. CIRCLE TRACK RACING.

Line No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cyl.		Description
22			
	Oil Pump	10055-750SS	(MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10055-825SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
		10033-02333	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 7.5" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10550	EXC. CHEVY II HI VOL PUMP (25% ADDL VOL OF OIL) -
			FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/
			STEEL GUIDE. USES 5/8" DIAMETER SCREEN.
		10551	EXC. CHEVY II 19MM INLET HI VOL PUMP (25% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; INCLUDES I/
			S SHAFT W/STEEL GUIDE. USES 3/4" DIAMETER
			SCREEN.
		10552	(MELLING PATENT 5,810,571) HI VOL PUMP (10% ADDL
			VOL OF OIL) - FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
		10552C	RACING APPLICATIONS ONLY. (MELLING PATENT
			5,810,571) HI VOL PUMP (10% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. REFIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-ANTI-CAVITATION GROOVES. EITHER A BOLT ON
		10550	OR PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10553	FEATURES STEEL GEARS; STANDARD VOLUME
		10554	VERSION OF THE 10550 PUMP. FEATURES STEEL GEARS; STANDARD VOLUME
		10554	VERSION OF THE 10551 PUMP.
		10555	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
		10000	VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT. RELIEF
			VALVE SPRING HAS SCREW IN PLUG. INCLUDES
			[12550] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. EITHER A BOLT ON OR PRESS IN
			SCREEN CAN BE USED WITH THIS PUMP.
	Continued on Next Page		
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Line No.	Part Title	Part No.	Description
22	400 S.B. ENG - 1970-80 - 8 Cyl		
	Oil Pump	10555C	RACING APPLICATIONS ONLY. (MELLING PATENT
	·		5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE SPRING HAS
			SCREW IN PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. HAS
			ANTI-CAVITATION GROOVES. EITHER A BOLT ON OR
			PRESS IN SCREEN CAN BE USED WITH THIS PUMP.
		10990	(MELLING PATENT 5,810,571) HI VOLUME PUMP (25%
			ADDL VOLUME) FEATURES: SHAFTS EXTENDED INTO
			COVER FOR SUPPORT. RELIEF VALVE HAS SCREW IN
			PLUG. INCLUDES [12550] CHROME MOLY
			INTERMEDIATE SHAFT WITH STEEL GUIDE. INCLUDES
		10990C	STOCK SPRING.
		103300	RACING APPLICATIONS ONLY. (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL)
			FEATURES: SHAFTS EXTENDED INTO COVER FOR
			SUPPORT. RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12550] CHROME MOLY INTERMEDIATE
			SHAFT WITH STEEL GUIDE. HAS ANTI-CAVITATION
			GROOVES.
	Oil Pump Screen	12557	BOLT ON SCREEN. USE W/7" DEEP STOCK TYPE PAN.
	-		NOTE: CLEARANCE BETWEEN THE BOLTS AND HOLES
			ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN
			FOR 10555 PUMP.
		12558	BOLT ON SCREEN. USE WITH 7 1/2" DEEP STOCK TYPE
			PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
		10550	DOWN TO CUSTOM FIT YOUR APPLICATION. BOLT ON SCREEN. USE WITH 8" DEEP STOCK TYPE
		12559	PAN. NOTE: CLEARANCE BETWEEN THE BOLTS AND
			HOLES ALLOWS 3/16 TO 1/4" ADJUSTMENT UP OR
			DOWN TO CUSTOM FIT YOUR APPLICATION.
		12564	BOLT ON SCREEN. USE WITH 7" DEEP OVAL TRACK
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
			CUSTOM FIT YOUR APPLICATION.
		12566	BOLT ON SCREEN. USE WITH 7 1/2" DEEP OVAL TRACK
			PAN. NOTE: MESH IS TO THE RIGHT. NOTE:
			CLEARANCE BETWEEN THE BOLTS AND THE HOLES
			ALLOWS 3/16" TO 1/4" ADJUSTMENT UP OR DOWN TO
		40550	CUSTOM FIT YOUR APPLICATION.
	Oil Pump Drive Shaft	12550	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT
			THE OIL FUMP DRIVE SHAFT

Line No.	Part Title	Part No.	Description				
23	396 ENG - 1965-70 - 8 Cyl 4.0	94 Bore					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
	-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. USE [VS-320] SPRING W/	MTC-6	204 208	288 298	.459 .459	108 116	112
	INSTALLED HGT. OF 1.90. CAM						
	LIFT INT .270 EXH .270 CLASS I.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-7200.						
	1965-66 REQUIRES A 3/16" WIDE	22407	250 261	301 304	.576 .639	108 116	112
	X 7/16" DEEP GROOVE CUT IN						
	THE REAR BEARING JOURNAL.						
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3500-7500.						
	1965-66 REQUIRES A 3/16" WIDE	22427	264 270	322 322	.559 .580	108 116	112
	X 7/16" DEEP GROOVE CUT IN						
	THE REAR BEARING JOURNAL.						
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000.						
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	700-4500.						
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200. CLASS II. NOT CALIFORNIA	22214	014 014	000.000	E00 E00	100 110	114
		22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	1700-5200. CLASS II. NOT CALIFORNIA	22206	000 00F	210 225	500 505	110 100	115
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT: NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
23	396 ENG - 1965-70 - 8 Cyl 4.0				200011911011		
20	Camshafts Using Hydraulic Flat			_		_	_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER	22002	200 200			100 111	
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees
	Roller Litters		Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER	22472	237 245	333 329	.020 .039	109 115	112
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	FOR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112
	ROLLER LIFTER [BB817RF16]	22141	210 220	200 300	.501 .510	100 110	112
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200						
	FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
	ROLLER LIFTER [BB817RF16]						
	CLASS II. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700 Mell Lube	M-10012		SSEMBLY L			
	Torque Cam Lifter Kit	CL-MTC-6	-	YD. NOT CC			USE
			WITH [VS-320] SPRING W/INSTALLED HGT. OF 1.90. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MT				
				JB-817] LIFT			
	Hydraulic Flat Tappet Lifters	298174		ORY SETTI			
		298184	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE US				E USED W/
			ADJUSTA	BLE VALVE	TRAIN		
	Continued on Next Page						

ine			
No.	Part Title	Part No.	Description
23	396 ENG - 1965-70 - 8 Cyl 4.0		1
	Hydraulic Roller Lifters	JB-7003	STOCK REPLACEMENT TYPE HYD. ROLLER
	Hydraulic Retro-fit Roller Lifters	BB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER
			CAMSHAFTS [22141], [22236]
	Valve Locks	473004	HARDENED 3/8" STEM 2 GROOVE
		476104	HARDENED 11/32" STEM
	Valve Spring with Mechanical	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90
	Lifters		(MACHINING MAY BE REQUIRED)
		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88
		466154	OUTER- USE WITH [22427] CAM- MACHINING MAY BE
		400404	
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE
		400004	
	Valve Spring with Hydraulic	466224	USE WITH [22214], [22204], [22296], [22306], [22302],
	Lifters		[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
		466004	
	De alean Anna a	466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED
	Rocker Arms	498684	LONG SLOT ROCKER ARM RATIO 1.75
	Chrome Moly Push Rods	500154	INT. 3/8" DIA. HEAT TREATED FOR GUIDE PLATES MAX.
		500104	SPRING PRESSURE 350 LBS. EXH 3/8" DIA. 9.230 LENGTH - HEAT TREATED FOR
		500164	GUIDE PLATES. MAX. SPRING PRESSURE 350 LBS.
		500294	INT. 7/16" DIA. 8.280 LENGTH, 7/16" DIA. MAX. SPRING
		500294	PRESSURE 350 LBS.
		500304	EXH. 7/16" DIA. 9.252 LENGTH, 7/16". MAX. SPRING
		500304	PRESSURE 350 LBS.
	Guide Plates	MGP1064	7/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
	Guide Flates	WGF 1004	ARM STUDS. (RAISED)
		MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
		Mai 1074	ARM STUDS. (RAISED)
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS
			NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM. FOR CAR AND TRUCK APPLICATIONS
			QUIET SET
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND
			TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
			-4° CAM ADJUSTMENT. BRONZE WASHER
	Continued on Next Page		

Line No.	Part Title	Part No.	Description
23	396 ENG - 1965-70 - 8 Cyl 4.0		
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND
			TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
			-4° CAM ADJUSTMENT. BRONZE WASHER
		40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
			CAR AND TRUCK APPLICATIONS.
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET. CAR AND TRUCK APPLICATIONS.
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN
			(.335" ROLLER), CAST IRON CAM SPROCKET &
			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES. FOR CAR AND TRUCK
			APPLICATIONS
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND
			TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE
			ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
			SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/
			-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
_			BEARINGS.
	Oil Pump	10070-1000SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			,
		10077-800SS	MOLY I/S SHAFT. STREET AND STRIP. (MELLING PATENT 5,810,571) STANDARD VOLUME.
		10077-00033	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
	Continued on Next Page		
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		PERFUR	MANCE - C	HEVROLE	I CARS &	TRUCK5 (	Continued)	
Line No.	Part Title	Part No.			Description			
23	396 ENG - 1965-70 - 8 Cyl 4.0	94 Bore						
	Oil Pump	10077-900SS	<ul> <li>(MELLING PATENT 5,810,571) STANDARD VOLUME.</li> <li>MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.</li> <li>HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE</li> <li>COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN</li> <li>INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL</li> <li>RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME</li> <li>MOLY I/S SHAFT. STREET AND STRIP.</li> <li>HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:</li> <li>STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.</li> <li>WILL USE STOCK 3/4" PRESS-IN SCREEN.</li> </ul>					
		10770						
		10774	VERSION	S STEEL GE OF THE 107	70 PUMP.			
	10778       (MELLING PATENT 5,810,571) HI         VOL OF OIL) FEATURES: STEEL         EXTENDED INTO COVER FOR SU         VALVE HAS SCREW IN PLUG. IN         CHROME MOLY INTERMEDIATE         GUIDE.					GEARS; SHAFTS UPPORT, RELIEF NCLUDES [12770]		
		10778C	(MELLING PATENT 5,810,571) HI VOL PUMI VOL OF OIL) FEATURES: STEEL GEARS; S EXTENDED INTO COVER FOR SUPPORT, I VALVE HAS SCREW IN PLUG. INCLUDES [ CHROME MOLY INTERMEDIATE SHAFT WI GUIDE. HAS ANTI-CAVITATION GROOVES. SPECIAL SCREW IN SCREEN. RACING API ONLY.				NFTS LIEF 770] I STEEL EQUIRES	
	Oil Pump Drive Shaft	12770	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT					
24	400 B.B. ENG - 1970-1973 - 8 C	vl 4.125 Bore						
	Torque Camshaft	<u>.</u>	Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	1970-1971 HYD. USE [VS-320] SPRING W/INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	204 208	288 298	.459 .459	108 116	112	
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	1970-1971 OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	Int. Exh. 242 242	Int. Exh. 310 297	Int. Exh.	Int. Exh. 108 120	114	
	Continued on Next Page							

Line No.	Part Title	Part No.			Description		
24	400 B.B. ENG - 1970-1973 - 8 C		1				
	Camshafts Using Mechanical			Desman	la cha c	Desmark	Deserves
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1970-1971 1965-66 REQUIRES A	22407	250 261	301 304	.576 .639	108 116	112
	3/16" WIDE X 7/16" DEEP						
	GROOVE CUT IN THE REAR						
	BEARING JOURNAL. CLASS IV.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 3500-7500.						
	1970-1971 1965-66 REQUIRES A	22427	264 270	322 322	.559 .580	108 116	112
	3/16" WIDE X 7/16" DEEP						
	GROOVE CUT IN THE REAR						
	BEARING JOURNAL. CLASS IV.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE. POWER RANGE 4500-8000.						
	Camshafts Using Hydraulic Flat			_			_
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	1970-1971 CLASS I. NOT	22100	192 203	271 281	.398 .430	107 117	112
	CALIFORNIA COMPLIANT. NOT	22100	102 200	271 201	.000 .100	107 117	112
	COMPUTER COMPATBLE.						
	POWER RANGE IDLE-4000.						
	1970-1971 CLASS I. NOT	22127	190 202	261 272	.438 .465	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 700-4500.						
	1970-1971 CLASS II. NOT	22204	214 224	292 302	.503 .528	108 116	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1970-1971 CLASS II. NOT	22214	214 214	293 293	.503 .503	109 119	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200. 1970-1971 CLASS II. NOT	22296	222 235	310 325	.500 .505	110 120	115
	CALIFORNIA COMPLIANT. NOT	22290	222 200	310 325	.500 .505	110 120	115
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1970-1971 CLASS III. NOT	22302	230 230	309 309	.513 .513	106 114	110
	CALIFORNIA COMPLIANT. NOT						_
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1971 CLASS III. NOT	22306	224 234	302 308	.528 .552	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1971 CLASS IV. NOT	22471	240 246	305 311	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-6700.						
	Continued on Next Page						

Line No.	Part Title	Part No.	Description				
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore	)				
	Camshafts Using Hydraulic		Dogrado	Dogrado	Inches	Dogrado	Degrade
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	1970-1971 CLASS IV. NOT	22480	241 246	305 310	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT		_			-	
	COMPUTER COMPATIBLE.						
	POWER RANGE 3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1970-1971 FOR USE WITH	22141	216 228	288 300	.501 .510	108 116	112
	RETRO-FIT ROLLER LIFTER						
	[BB817RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200						
	1970-1971 FOR USE WITH	22236	224 234	296 308	.527 .544	106 114	110
	RETRO-FIT ROLLER LIFTER						
	[BB817RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		
	Torque Cam Lifter Kit	CL-MTC-6	1970-1971	CLASS I HY	D. NOT COI	MPUTER	
			COMPATIE	BLE. USE W	ITH [VS-320]	SPRING W	/
			INSTALLE	D HGT. OF 1	1.90. NOT CA	ALIFORNIA	
					UDES 1-[MT	C-6] CAM, 1	I6-[JB-817]
				40Z MELL			
	Hydraulic Flat Tappet Lifters	298174			ORY SETTIN		
		298184			P UP, SET A		SH; MUST
					ABLE VALVE		
	Hydraulic Roller Lifters	JB-7003			PLACEMEN		
	Hydraulic Retro-fit Roller Lifters	BB817RF16			DR USE W/ F	RETRO-FIT I	ROLLER
				TS [22141],			
	Valve Locks	473004			0 3/8" STEM		
	Value Opping with Masharia 1	476104			0 11/32" STE		
	Valve Spring with Mechanical	VS-320		-	FC-6] CAMSH		
	Lifters	VC 200			NING MAY B		
		VS-320	1970-1971 USE WITH [22100] CAM- NOTE: AS		- NUTE: AS	IVI. HEIGHT	
		466154	OF 1.88				
		466154			SE WITH [224	+27] CAM- N	IACHINING
		466164	MAY BE R				
	Value Coving with Underselie	466164	1970-1971				
	Valve Spring with Hydraulic	466224			[22396] CAM		IG WAY BE
	Lifters		REQUIRE	J			
	Continued on Next Page						

Part Title	Part No.	Description
400 B.B. ENG - 1970-	1973 - 8 Cyl 4.125 Boi	
Valve Spring with Hyd	aulic 466224	1970-1971 USE WITH [22214], [22204], [22296], [22306],
Lifters		[22302] & [22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
		MACHINING MAY BE REQUIRED.
Valve Spring Retainers	475064	1970-1971 CHROME MOLY
Rocker Arms	498684	1970-1971 LONG SLOT ROCKER ARM RATIO 1.75
Chrome Moly Push Ro	ds 500154	1970-1971 8.280 LENGTH - HEAT TREATED FOR
		GUIDEPLATES, DRILLED, 3/8" DIAMETER MAX. SPRIN
		PRESSURE 350 LBS.
	500164	1970-1971 9.252 LENGTH - HEAT TREATED FOR GUID
		PLATES, DRILLED, 3/8" DIAMETER MAX. SPRING
		PRESSURE 350 LBS.
	500294	1970-1971 8.280 LENGTH - DRILLED, 7/16" DIAMETER
		8.280 LENGTH, 7/16" DIA. MAX. SPRING PRESSURE 3
		LBS.
	500304	1970-1971 9.252 LENGTH - DRILLED, 7/16" DIAMETER
		9.252 LENGTH, 7/16". MAX. SPRING PRESSURE 350 L
Guide Plates	MGP1064	1970-1971 7/16" THICK- MUST BE USED WITH
		SCREW-IN ROCKER ARM STUDS. (RAISED)
	MGP1074	1970-1971 3/8" THICK- MUST BE USED WITH SCREW-
		ROCKER ARM STUDS. (RAISED)
Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLE
		CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
		ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWE
		PIN HOLE INSERTS. RECOMMENDED FOR STREET
		AND STRIP, CLAIMER AND RACING ENGINES UP TO
		6,500 RPM. CAR APPLICATIONS ONLY NOISY SET
	48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLE
		CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
		ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWE
		PIN HOLE INSERTS. RECOMMENDED FOR STREET
		AND STRIP, CLAIMER AND RACING ENGINES UP TO
		6,500 RPM. CAR APPLICATIONS ONLY QUIET SET
3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR
		APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
		SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4
		-4° CAM ADJUSTMENT. BRONZE WASHER
	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
		TRACK, HOT ROD, CLAIMER ENGINES. CAR
		APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE
		ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM
		SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4
		-4° CAM ADJUSTMENT. BRONZE WASHER
	40205	
		SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
		CAR AND TRUCK APPLICATIONS.
	40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
		IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
		SPROCKET. CAR AND TRUCK APPLICATIONS.

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
24	400 B.B. ENG - 1970-1973 - 8 C	yl 4.125 Bore	
	3pc Set	40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. CAR AND TRUCK APPLICATIONS
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST
	Oil Pump	10070-1000SS	BEARINGS. 1970-1971 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10070-800SS	1970-1971 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10070-900SS	1970-1971 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10077-800SS	1970-1971 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
	Continued on Next Page	10077-900SS	1970-1971 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.

Line No.	Part Title	Part No.			Description			
24	400 B.B. ENG - 1970-1973 - 8 C							
<u> </u>	Oil Pump	10770		HI VOL PU	MP (25% AD			
		10//0		S: STEEL GI				
				JIDE. WILL U	,			
			SCREEN.			0, 1 1 1 200		
		10774		FEATURES	STEEL GE	ARS: STAN	DARD	
				VERSION OF		,		
		10778		(MELLING F			OL PUMP	
			(25% ADD	L VOL OF O	IL) FEATURI	ES: STEEL (	GEARS;	
			SHAFTS E	XTENDED I	NTO COVEF	R FOR SUPF	ORT,	
			RELIEF VA	ALVE HAS S	CREW IN PL	UG. INCLU	DES	
			[12770] CH	HROME MOL	Y INTERME	DIATE SHA	FT WITH	
			STEEL GL					
		10778C		(MELLING F				
			(25% ADDL VOL OF OIL) FEATURES: STEEL GEARS;				,	
				XTENDED I				
				ALVE HAS S				
				HROME MOL				
				JIDE. HAS A				
				S SPECIAL S		CREEN. RA	CING	
		10770		IONS ONLY				
	Oil Pump Drive Shaft	12770		PERFORM				
				IGH STRENC		,		
				E OIL PUMP			LUCKS	
05	400 ENC 1071 70 0 Col 4 1	OF Dere				ΓΙ		
25	402 ENG - 1971-72 - 8 Cyl 4.1	25 Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
		MTO C	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110	
	HYD. USE [VS-320] SPRING W/ INSTALLED HGT. OF 1.90.	MTC-6	204 208	288 298	.459 .459	108 116	112	
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1000-4500.							
	Camshafts Using Mechanical		Desires	Destrate	lashaa	Deerroop	Desiran	
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation	
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114	
	CALIFORNIA COMPLIANT. NOT			0.0 201				
	COMPUTER COMPATIBLE.							
	POWER RANGE 3200-7200.							
	CLASS IV. NOT CALIFORNIA	22407	250 261	301 304	.576 .639	108 116	112	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	3500-7500.							
	CLASS IV. NOT CALIFORNIA	22427	264 270	322 322	.559 .580	108 116	112	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	4500-8000.							
	Continued on Next Page							

Line							Continued)
No.	Part Title Part No. Description						
25	402 ENG - 1971-72 - 8 Cyl 4.	125 Bore					
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000.		400.000		400 405		
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	700-4500.						
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.			040.005			
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degraee	Degrade	Inches	Degrade	Degrade
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
		22495	006 040	216 004	EG1 570	106 114	110
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT: NOT COMPUTER COMPATIBLE. POWER RANGE						
	2600-6300.						
	Continued on Next Page						

Part Title	Part No.			Description				
402 ENG - 1971-72 - 8 Cyl 4.1								
Camshafts Using Hydraulic	20 2010	_	_		_	_		
Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16] CLASS I. NOT CALIFORNIA	22141	216 228	288 300	.501 .510	108 116	112		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200								
FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700	22236	224 234	296 308	.527 .544	106 114	110		
Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT				
Torque Cam Lifter Kit	CL-MTC-6	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE	. USE		
		NOT CALII	FORNIA CO	G W/INSTAL MPLIANT. KI ERS & 402 I	T INCLUDE	S 1-[MTC-6]		
Hydraulic Flat Tappet Lifters	298174	-	-			·		
Trydradile Flat Tuppet Enters	298184	USE FACTORY SETTING ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W						
	200101							
Hydraulic Roller Lifters	JB-7003	STOCK REPLACEMENT TYPE; HYD. ROLLER				.ER		
Hydraulic Retro-fit Roller Lifters	BB817RF16					ROLLER		
Valve Locks	473004							
	476104		D 11/32" ST					
Valve Spring with Mechanical Lifters	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTA (MACHINING MAY BE REQUIRED)				ALLED HGT. OF 1.90		
	VS-320	USE WITH	[22100] CA	M- NOTE: AS	SM. HEIGHT	OF 1.88		
	466154	OUTER- U REQUIREI	-	2427] CAM- I	MACHINING	MAY BE		
	466164	INNER- US	-	2427] CAM- MACHINING MAY BE				
Valve Spring with Hydraulic Lifters	466224	USE WITH	[22396] CA	M- MACHINI	NG MAY BE	REQUIRED		
	466224			204], [22296		2302],		
				ASM. HEIGH	IT OF 1.88-			
			IG MAY BE I	REQUIRED.				
Valve Spring Retainers	475064	CHROME			4.75			
Rocker Arms	498684							
Chrome Moly Push Rods	500154		NA. HEAT TH RESSURE 3	REATED FOR	1 GUIDE PL	AIES MAX.		
	500164			ENGTH - HE	AT TREATE	D FOR		
		GUIDE PL		427 ENGINE				
	500294	INT. 7/16"	DIA 8.280 LE	ENGTH, 7/16	" DIA. MAX.	SPRING		
	500204		E 350 LBS.			DING		
	500304	PRESSUR	E 350 LBS.	ENGTH, 7/1				
Guide Plates	MGP1064		K- MUST BE DS. (RAISED	E USED WITI	H SCREW-II	NROCKER		

Line			MANCE - CHEVROLET CARS & TRUCKS (Continued)								
No.	Part Title	Part No.	Description								
25	402 ENG - 1971-72 - 8 Cyl	402 ENG - 1971-72 - 8 Cyl 4.125 Bore									
	Guide Plates	MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED)								
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. FOR CAR AND TRUCK APPLICATIONS NOISY SET								
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL PIN HOLE INSERTS. RECOMMENDED FOR STREET AND STRIP, CLAIMER AND RACING ENGINES UP TO 6,500 RPM. FOR CAR AND TRUCK APPLICATIONS QUIET SET								
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. BRONZE WASHER								
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. BRONZE WASHER								
		40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. CAR AND TRUCK APPLICATIONS. INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST								
		40401	IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET. CAR AND TRUCK APPLICATIONS.								
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN (.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK ROLLER CAM ENGINES. FOR CAR AND TRUCK APPLICATIONS								
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. FOR CAR AND TRUCK APPLICATIONS INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/ -4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.								
	Oil Pump Continued on Next Page	10070-1000SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.								

Line No.	Part Title	Part No.	Description
25	402 ENG - 1971-72 - 8 Cyl 4.1		
	Oil Pump	10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
	- · · · · · · · · · · · · · · · · · · ·		MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
		10770	MOLY I/S SHAFT. STREET AND STRIP. HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:
		10770	STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
			WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	FEATURES STEEL GEARS; STANDARD VOLUME
		10//4	VERSION OF THE 10770 PUMP.
		10778	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT, RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12770]
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE.
		10778C	(MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL
			VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
			EXTENDED INTO COVER FOR SUPPORT, RELIEF
			VALVE HAS SCREW IN PLUG. INCLUDES [12770]
			CHROME MOLY INTERMEDIATE SHAFT WITH STEEL
			GUIDE. HAS ANTI-CAVITATION GROOVES. REQUIRES
			SPECIAL SCREW IN SCREEN. RACING APPLICATIONS
			ONLY.
	Oil Pump Drive Shaft	12770	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

Line No.	Part Title	Part No.	Description				
26	427 ENG - 1966-69 - 8 Cyl 4.2	250 Bore					
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	HYD. USE [VS-320] SPRING W/	MTC-6	204 208	288 298	.459 .459	108 116	112
	INSTALLED HGT. OF 1.90.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPETIANT: NOT COMPOTER COMPATIBLE. POWER RANGE						
	1000-4500.						
	Camshafts Using Mechanical		Desmark	Desman	la chi ci c	Desmark	Damag
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	OEM #3904362. CLASS III. NOT	22396	242 242	310 297	.520 .520	108 120	114
	CALIFORNIA COMPLIANT. NOT			0.0 _0.	.010 .010		
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-7200.						
	1966 REQUIRES A 3/16" WIDE X	22407	250 261	301 304	.576 .639	108 116	112
	7/16" DEEP GROOVE CUT IN						
	THE REAR BEARING JOURNAL.						
	CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3500-7500.						
	1966 REQUIRES A 3/16" WIDE X	22427	264 270	322 322	.559 .580	108 116	112
	7/16" DEEP GROOVE CUT IN						
	THE REAR BEARING JOURNAL. CLASS IV. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat		Dogrado	Dograda	Inches	Dogrado	Degrees
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATBLE. POWER RANGE						
	IDLE-4000.						
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	700-4500.		014 004	000.000	500 505	100 115	440
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE 1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER			200 200		100 110	
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER					-	
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	Continued on Next Page						
	-	1	1	I	1	1	1

	Part Title	Part No.			Description		
	27 ENG - 1966-69 - 8 Cyl 4.2				•		
	Camshafts Using Hydraulic Flat		Degrees	Degrade	Inches	Degrees	Degrees
	appet Lifters		.050" dur	Degrees ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
0	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
0	OMPATIBLE. POWER RANGE						
	500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.		0.40.040	005 011			440
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
-	Camshafts Using Hydraulic		+			_	_
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
'			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
C	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER		207 243	000 020	.020 .000	100 110	112
	COMPATIBLE. POWER RANGE						
	2600-6300.						
C	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
C	OMPATIBLE. POWER RANGE						
3	000-6500.						
C	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	600-6300.						
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees
Г	tetro-int Roller Linters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
_		22141	Int. Exh. 216 228	Int. Exh. 288 300	Int. Exh. .501 .510	Int. Exh. 108 116	112
	OR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16]	22141	210 220	200 300	.501 .510	106 116	112
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	700-5200						
F	OR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
F	ROLLER LIFTER [BB817RF16]						
C	LASS II. NOT CALIFORNIA						
C	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	200-5700						
		M-10012		SSEMBLY L			
'	orque Cam Lifter Kit	CL-MTC-6		YD. NOT CC			
			-	320] SPRINO FORNIA COI			
				JB-817] LIFT			
	lydraulic Flat Tappet Lifters	298174	-	ORY SETTI			
F							
ŀ		298184	ANTI-PUM	PUP. SET 4	T ZERO I A	SH: MUST P	E USED W/
ŀ	,	298184		IP UP, SET A BLE VALVE <sup>-</sup>		SH; MUST B	E USED W/

e									
	Part Title	Part No.	Description						
;	427 ENG - 1966-69 - 8 Cyl 4.250 Bore								
L	Hydraulic Roller Lifters	JB-7003	STOCK REPLACEMENT TYPE; HYD. ROLLER						
	Hydraulic Retro-fit Roller Lifters	BB817RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER						
L			CAMSHAFT [22141], [22236]						
	Valve Locks	473004	HARDENED 3/8" STEM 2 GROOVE						
L		476104	HARDENED 11/32" STEM						
	Valve Spring with Mechanical	VS-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90						
Ļ	Lifters		(MACHINING MAY BE REQUIRED)						
Ļ		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88						
		466154	OUTER- USE WITH [22427] CAM- MACHINING MAY BE						
			REQUIRED						
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE						
-									
	Valve Spring with Hydraulic	466224	USE WITH [22214], [22204], [22296], [22306], [22302],						
	Lifters		[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-						
-									
-	N.L. O. S. D.L.	466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED						
-	Valve Spring Retainers	475064							
-	Rocker Arms	498684	LONG SLOT ROCKER ARM RATIO 1.75						
	Guide Plates	MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER						
-	Gear Drive Set	48410	ARM STUDS. (RAISED) INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER						
	Gear Drive Set	40410	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING						
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL						
			PIN HOLE INSERTS. RECOMMENDED FOR STREET						
			AND STRIP, CLAIMER AND RACING ENGINES UP TO						
			6,500 RPM.; NOISY SET NOISY SET						
F		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER						
		loniou	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING						
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL						
			PIN HOLE INSERTS. RECOMMENDED FOR STREET						
			AND STRIP, CLAIMER AND RACING ENGINES UP TO						
			6,500 RPM.; QUIET SET QUIET SET						
ſ	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE						
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES						
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),						
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK						
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE						
Ļ			WASHER						
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE						
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES						
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK						
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE						
			WASHER						
┝		40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM						
		40200	SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.						
$\left  \right $		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST						
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK						
			SPROCKET.						
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN						
-		40510							
-		40510							
		40510	(.335" ROLLER), CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK						
-		40510	(.335" ROLLER), CAST IRON CAM SPROCKET,						

Line No.	Part Title	Part No.	Description
26	427 ENG - 1966-69 - 8 Cyl 4.2		Decemption
20	3pc Set	48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
	Spc Set	405101-5	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
	Oil Pump	10070-1000SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
		10070-100033	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS, SCREW IN VALVE, SCREEN FOR 10" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10070-800SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.
			MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.
			HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE
			COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN
			INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME
			MOLY I/S SHAFT. STREET AND STRIP.
		10770	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:
			STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE.
			WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	FEATURES STEEL GEARS; STANDARD VOLUME
			VERSION OF THE 10770 PUMP.
		10778	HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES:
			STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR
			SUPPORT, RELIEF VALVE HAS SCREW IN PLUG.
			INCLUDES [12770] CHROME MOLY INTERMEDIATE
	Orationed on Next De		SHAFT WITH STEEL GUIDE.
	Continued on Next Page		

Line							
No.	Part Title	Part No.			Description		
26	427 ENG - 1966-69 - 8 Cyl 4.2	1					
	Oil Pump	10778C	STEEL GE SUPPORT INCLUDES SHAFT WI GROOVES	IMP (25% AE ARS; SHAF , RELIEF VA ) [12770] CH TH STEEL G ). REQUIRES PPLICATION	TS EXTENDI LVE HAS SO ROME MOL' GUIDE. HAS S SPECIAL S	ED INTO CC CREW IN PL Y INTERME ANTI-CAVIT	VER FOR UG. DIATE ATION
	Oil Pump Drive Shaft	12770	PERFORM STRENGT IMPROVEI	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	E INTERMED PSI) CHROM TAINER WH	E MOLY ST	EEL.
27	427 ENG - 1980-90 - 8 Cyl 4.2	250 Bore					
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	HYD. USE [VS-320] SPRING W/ INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	204 208	288 298	.459 .459	108 116	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	Int. Exh. 242 242	Int. Exh. 310 297	Int. Exh. .520 .520	Int. Exh. 108 120	114
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3500-7500.	22407	250 261	301 304	.576 .639	108 116	112
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 4500-8000.	22427	264 270	322 322	.559 .580	108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATBLE. POWER RANGE IDLE-4000.	22100	Int. Exh. 192 203	Int. Exh. 271 281	Int. Exh. .398 .430	Int. Exh. 107 117	112
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 700-4500.	22127	190 202	261 272	.438 .465	106 114	110
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	22204	214 224	292 302	.503 .528	108 116	112
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
<b>27</b>	427 ENG - 1980-90 - 8 Cyl 4.2				Description		
	Camshafts Using Hydraulic Flat	.50 DOIE	_	_		_	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200. CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER	22290	222 200	310 325	.500 .505	110 120	115
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000. CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER	22471	240 240	303 311	.009 .072	110 114	112
	COMPATIBLE. POWER RANGE						
	3200-6700.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300. CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER	22400	241 240	305 310	.559 .572	110 114	112
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00141	Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110
	FOR USE WITH RETRO-FIT ROLLER LIFTERS [BB817RF16]	22141	216 228	288 300	.501 .510	108 116	112
	AND [BB969RF16] CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200						
	FOR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110
	ROLLER LIFTERS [BB817RF16]						
	AND [BB969RF16] CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700						
	Continued on Next Page						

Line		Davit Na	Description
			Description
21			
	Forque Cam Lifter Kit	CL-MIC-6	CLASS I HYD. NOT COMPUTER COMPATIBLE. USE
			WITH [VS-320] SPRING W/INSTALLED HGT. OF 1.90.
	No. Part Title 427 ENG - 1980-90 - 8 Cyl 4.25 Mell Lube Torque Cam Lifter Kit Hydraulic Flat Tappet Lifters Hydraulic Roller Lifters Hydraulic Roller Lifters Valve Locks Valve Spring with Mechanical Lifters Valve Spring with Hydraulic Lifters Valve Spring Retainers Rocker Arms Chrome Moly Push Rods Guide Plates Gear Drive Set 3pc Set		NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-6]
		000474	CAM, 16-[JB-817] LIFTERS & 4OZ MELL LUBE.
	Hydraulic Flat Tappet Litters		
	o.         Part Nb.         I           7         427 ENG - 1980-90 - 8 Cyl 4.250 Bore           Mell Lube         M-10012         ENGINE ASSEMBLY LI           Torque Cam Lifter Kit         CL-MTC-6         CLASS I HYD. NOT CO WITH [VS-320] SPRING NOT CALFORNIA CO CAM. 16-[JB-817] LIFTE           Hydraulic Flat Tappet Lifters         298174         USE FACTORY SETTIN           Hydraulic Roller Lifters         JB-7003         STOCK REPLACEMEN           Hydraulic Roller Lifters         JB-7003         STOCK REPLACEMEN           Hydraulic Roller Lifters         B8969RF16         1980-1987 RETRO-FIT ROLLER CAMSHAFTS           Valve Locks         473004         HARDENED 3/8' STEM 476104         HARDENED 3/8' STEM WALVE Spring with Mechanical           Valve Spring with Mechanical         VS-320         USE WITH [22100] CAM (MACHINING MAY BE F           Valve Spring with Hydraulic         466154         OUTER- USE WITH [2214], [221 (22100] CAMS- NOTE: MACHINING MAY BE F           Valve Spring Retainers         475064         CHROME MOLY           Valve Spring Retainers         475064         CHROME MOLY           Chrome Moly Push Rods         500634         INT. 3/8' DIA. MAX. SP (AMCHININ, CAKPER)           Guide Plates         MGP1064         7/16' THICK-MUST BE AND STRIP, CLAIMER AND STRIP, CLAIMER AND STRIP, CLAIMER AND STRIP, CLAIMER AND STRIP, CLAIMER AND STRIP, C	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/	
	No.         Part Title         Part No.           27         427 ENG - 1980-90 - 8 Cyl 4.250 Bore           Mell Lube         M-10012         ENGINE ASSEMBLY           Torque Cam Lifter Kit         CL-MTC-6         CLASS I HYD. NOT.           WITH (VS.320) SPRINOT         WITH (VS.320) SPRINOT         WITH (VS.320) SPRINOT           Hydraulic Flat Tappet Lifters         298174         USE FACTORY SET           Hydraulic Roller Lifters         JB-7003         STOCK REPLACEM           Hydraulic Retro-fit Roller Lifters         JB-7003         STOCK REPLACEM           Hydraulic Retro-fit Roller Lifters         JBB17RF16         1980-1987 RETRO-F           ROLLER CAMSHAF         ROLLER CAMSHAF         ROLLER CAMSHAF           Valve Locks         473004         HARDENED 1/32* G           Valve Locks         473004         HARDENED 1/32* G           Valve Spring with Mechanical         VS-320         USE WITH (2210) C           Valve Spring with Hydraulic         466154         OUTER- USE WITH (2210) C           Valve Spring with Hydraulic         466224         USE WITH (22214), I           Lifters         47604         USE WITH (2214), I           Valve Spring Retainers         475064         CHROME MOLY           Rocker Arms         498684 <t< td=""><td></td></t<>		
	-		1980-1987 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
	nyulaulic netro-lit noller Litters	BBOITHFID	ROLLER CAMSHAFTS [22141], [22236]
		BB969BE16	1988-1990 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT
		BB30311110	ROLLER CAMSHAFTS [22141], [22236]
	Part TitlePart No.427 ENG - 1980-90 - 8 Cyl 4.250 BoreMell LubeM-10012Torque Cam Lifter KitCL-MTC-6Hydraulic Flat Tappet Lifters298174298184298184Hydraulic Roller LiftersJB-7003Hydraulic Retro-fit Roller LiftersBB817RF16BB969RF16BB969RF16Valve Locks473004476104VS-320LiftersVS-320LiftersVS-320Lifters466164Valve Spring with Mechanical Lifters466224Valve Spring Retainers475064Rocker Arms498684Chrome Moly Push Rods500624500634Guide PlatesMGP1074484104841048410	HARDENED 3/8" STEM 2 GROOVE	
	Valve Spring with Mechanical		USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90
			(MACHINING MAY BE REQUIRED)
		VS-320	USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF 1.88
			OUTER- USE WITH [22427] CAM- MACHINING MAY BE
No.         Part Ntle         Part No.           27         427 ENG - 1980-90 - 8 Cyl 4.250 Bore           Mell Lube         M-10012         ENGINE ASSEMBL'           Torque Cam Lifter Kit         CL-MTC-6         CLASS I HYD. NOT WITH (NS-320) SPR NOT CALFORNIA CAM, 16-[JB-817] LI           Hydraulic Flat Tappet Lifters         298174         USE FACTORY SET           298184         ANTI-PUMP UP, SE ADJUSTABLE VALV           Hydraulic Roller Lifters         JB-7003         STOCK REPLACEM           Hydraulic Roller Lifters         JB-7003         STOCK REPLACEM           Hydraulic Retro-fit Roller Lifters         BB817RF16         1980-1987 RETRO- ROLLER CAMSHAF           Valve Locks         473004         HARDENED 1//32"           Valve Spring with Mechanical         VS-320         USE W/ [MTC-6] CA           Lifters         VS-320         USE WITH [22100] ( MACHINING MAY B           Valve Spring with Hydraulic         466154         OUTER- USE WITH REQUIRED           Valve Spring Retainers         475064         USE WITH [22396] ( Lifters           Valve Spring Retainers         475064         CHROME MOLY Chrome Moly Push Rods           S00634         EXH. 3/8" DIA. MAX, S00634         EXH. 3/8" DIA. MAX, S00634           Guide Plates         MGP1074         3/8" THICK- MUST ARM STUDS, (RAIS A			
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE
		466224	USE WITH [22396] CAM- MACHINING MAY BE REQUIRED
	Liners	466224	USE WITH [22214], [22204], [22296], [22306], [22302],
			[22100] CAMS- NOTE: ASM. HEIGHT OF 1.88-
			MACHINING MAY BE REQUIRED.
	Valve Spring Retainers	475064	CHROME MOLY
		498684	LONG SLOT ROCKER ARM RATIO 1.75
	Hydraulic Roller Lifters         Hydraulic Retro-fit Roller Lifters         Valve Locks         Valve Spring with Mechanical Lifters         Valve Spring with Hydraulic Lifters         Valve Spring Retainers         Rocker Arms         Chrome Moly Push Rods         Guide Plates         Gear Drive Set	500624	INT. 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
		500634	EXH. 3/8" DIA. MAX. SPRING PRESSURE 350 LBS.
	Guide Plates	MGP1064	7/16" THICK- MUST BE USED WITH SCREW-IN ROCKER
			ARM STUDS. (RAISED)
		MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
	Lifters Valve Spring Retainers Rocker Arms Chrome Moly Push Rods Guide Plates		PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
		404400	
		404100	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; QUIET SET QUIET SET
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
	Continued on Next Page		
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Part No.	Description			
	RECOMMENDED FOR STREET AND STRIP, CIRCLE			
	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES			
	SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),			
	BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK			
	SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE			
	WASHER			
40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM			
	SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.			
40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST			
	IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK			
	SPROCKET.			
40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN			
	(.335" ROLLER), CAST IRON CAM SPROCKET,			
	MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK			
	ROLLER CAM ENGINES.			
48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE			
	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES			
	SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),			
	BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK			
	SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS			
	FIT ROLLER THRUST BEARINGS.			
10070-1000SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
	HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
	COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN			
	INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
	RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
10070 90086	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
10070-00033	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
	HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
	COATINGS, SCREW IN VALVE, SCREEN FOR 8" PAN			
I Pump 10070-1000SS (MELLING PATENT 5,810 MULTIPLE PRESSURE SI HEAVY DUTY SHAFT SUI COATINGS. SCREW IN V INTEGRATED INTO PUMI RELIEF SPRINGS, STUD MOLY I/S SHAFT. STREE 10070-800SS (MELLING PATENT 5,810 MULTIPLE PRESSURE SI HEAVY DUTY SHAFT SUI COATINGS. SCREW IN V INTEGRATED INTO PUMI RELIEF SPRINGS, STUD MOLY I/S SHAFT. STREE 10070-900SS (MELLING PATENT 5,810 MULTIPLE PRESSURE SI HEAVY DUTY SHAFT. SUI				
	RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
	MOLY I/S SHAFT. STREET AND STRIP.			
10070-900SS	(MELLING PATENT 5,810,571) HI VOLUME 25%.			
	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
	HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
	COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN			
	INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
	RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
	MOLY I/S SHAFT. STREET AND STRIP.			
10077-800SS	(MELLING PATENT 5,810,571) STANDARD VOLUME.			
	MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET.			
	HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE			
	COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN			
	INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL			
	RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME			
	MOLY I/S SHAFT. STREET AND STRIP.			
	40401 40510 48510T-9 10070-1000SS 10070-800SS 10070-900SS			

Line		PERFOR		HEVROLE	I CARS &	IRUCKS (	Continued)
No.	Part Title	Part No.			Description		
27	427 ENG - 1980-90 - 8 Cyl 4.2	250 Bore					
	Oil Pump	10077-900SS	MULTIPLE HEAVY DU COATINGS INTEGRAT RELIEF SF	PATENT 5,8 PRESSURE JTY SHAFT 5 5. SCREW IN ED INTO PU PRINGS, STU SHAFT. STR	E SETTINGS SUPPORT A N VALVE. SC JMP BODY. JD MOUNTII	. ALUMINUN ND PROTEC REEN FOR INCLUDES NG KIT AND	1 BILLET. CTIVE 9" PAN OPTIONAL
		10770	HI VOL PU STEEL GE	MP (25% AE ARS; INCLU STOCK 3/4"	DL VOL OF DES I/S SH/	OIL) FEATU AFT W/STEE	
		10774	FEATURE	S STEEL GE OF THE 107	ARS; STAN		ME
		10778	VOL OF O EXTENDE VALVE HA	PATENT 5,8 IL) FEATURI D INTO COV S SCREW II MOLY INTER	es: Steel G Yer for Su N Plug. Ing	EARS; SHA PPORT, RE CLUDES [12	.FTS LIEF 770]
		10778C	VOL OF O EXTENDE VALVE HA CHROME GUIDE. HA	PATENT 5,8 IL) FEATURI D INTO COV S SCREW II MOLY INTER AS ANTI-CAN SCREW IN S	ES: STEEL G ER FOR SU N PLUG. ING RMEDIATE S /ITATION GI	GEARS; SHA PPORT, RE CLUDES [12 GHAFT WITH ROOVES. RI	FTS LIEF 770] I STEEL EQUIRES
	Oil Pump Drive Shaft	12770	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT				
28	454 ENG - 1970-76 - 8 Cyl 4.2	250 Bore					
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation
	HYD. USE [VS-320] SPRING W/ INSTALLED HGT. OF 1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTC-6	Int. Exh. 204 208	288 298	.459 .459	108 116	112
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	OEM #3904362. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-7200.	22396	Int. Exh. 242 242	Int. Exh. 310 297	Int. Exh. .520 .520	Int. Exh. 108 120	114
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3500-7500.	22407	250 261	301 304	.576 .639	108 116	112
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
28	454 ENG - 1970-76 - 8 Cyl 4.2						
	Camshafts Using Mechanical		_			_	_
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Coparation
	CLASS IV. NOT CALIFORNIA	22427	264 270	322 322	.559 .580	108 116	112
	COMPLIANT. NOT COMPUTER	22421	204 270	322 322	.559 .560	100 110	112
	COMPATIBLE. POWER RANGE						
	4500-8000.						
	Camshafts Using Hydraulic Flat						
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation
	CLASS I. NOT CALIFORNIA	22100	192 203	271 281	.398 .430	107 117	112
	COMPLIANT. NOT COMPUTER	22100	192 203	271 201	.390 .430	107 117	112
	COMPATBLE. POWER RANGE						
	IDLE-4000.						
	CLASS I. NOT CALIFORNIA	22127	190 202	261 272	.438 .465	106 114	110
	COMPLIANT. NOT COMPUTER		100 202	201 272	.400 .400		110
	COMPATIBLE. POWER RANGE						
	700-4500.						
	CLASS II. NOT CALIFORNIA	22204	214 224	292 302	.503 .528	108 116	112
	COMPLIANT. NOT COMPUTER	_					
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22214	214 214	293 293	.503 .503	109 119	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS II. NOT CALIFORNIA	22296	222 235	310 325	.500 .505	110 120	115
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700.						
	CLASS III. NOT CALIFORNIA	22302	230 230	309 309	.513 .513	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	CLASS III. NOT CALIFORNIA	22306	224 234	302 308	.528 .552	110 118	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.	00474	040.040	005 014	550 570	110 111	110
	CLASS IV. NOT CALIFORNIA	22471	240 246	305 311	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-6700. Camshafts Using Hydraulic						<b>D</b>
	Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Sopulation
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER		207 240	000 020	.020 .003	100 110	112
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	CLASS IV. NOT CALIFORNIA	22480	241 246	305 310	.559 .572	110 114	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3000-6500.						
	Continued on Next Page				l		
	5		I				

	Part Title	Part No.	Description									
			Boomption									
	Roller Lifters		.050" dur	ADV. Dur			Separation					
							Copulation					
	CLASS IV. NOT CALIFORNIA	22485					110					
			200 210	010 021		100 111						
	Camshafts Using Hydraulic											
28       454 ENG - 1970-76 - 8 Cyl 4.250 Bore         Camshafts Using Hydraulic Roller Lifters       Degrees .050" dur       Degrees ADV. Dur       Inches Valve lift       Degrees Lobe ontr.         CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2600-6300.       22485       236 246       316 324       .561 .578       106 114         Camshafts Using Hydraulic Retro-fit Roller Lifters       Degrees Retro-fit Roller Lifters       Degrees .050" dur       Degrees ADV. Dur       Inches Valve lift       Degrees Lobe ontr.         FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200       22141       216 228       288 300       .501 .510       108 116         FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700       22236       224 234       296 308       .527 .544       106 114         FOR USE WITH RETRO-FIT ROLLER LIFTER [BB817RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700       22236       224 234       296 308       .527 .544       106 114         WITH [VS-320] SPRING WINSTALLED HOT. I NOT CALIFORNIA COMPLIANT. KIT INCLUDE CAM, 16-(JB-817] LIFTERS & 40Z MELL LUBE WITH [VS-320] SPRING WINSTALLED HOT. I NOT CALIFORNIA COMPLIANT. KIT INCLUDE CAM, 16-(JB-817] LIFTERS & 40Z MELL LUBE WITH [VS-320] SPRING WINSTALLED HOT. I NOT CALIFORNIA COMPLIANT. KIT INCLUDE CAM, 16-(JB-817] LIFTERS & 40Z MELL LUBE WITH [VS-320] SPRING WIN							Dograda					
			.050" dur		ur Valve lift Lobe cntr. Sepa n. Int. Exh. Int. Exh. 0 .501 .510 108 116 1							
							Coparation					
	FOR USE WITH BETBO-FIT	22141					112					
						Valve lift       Lobe cntr.       Separa         nt. Exh.       Int. Exh.       106       114       110         561 .578       106       114       110         Inches       Degrees       Degrees       Negrees         Valve lift       Lobe cntr.       Separa         nt. Exh.       Int. Exh.       501         501 .510       108       116       112         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         527 .544       106       114       110         528       Separa       106       114         9       VINSTALLED HGT. OF 1.90.       1.00         9       X40Z MELL LUBE.       1.00         10       Separa       1.00       1.00         110       Separa       1.00       1.00         111       YPE; HYD						
					.561.578106114110Inches Valve liftDegrees Lobe cntr.Degre SeparaInt. Exh.Int. Exh.Int. Exh501.510108116.501.510108116.527.544106114JBRICANTMPUTER COMPATIBLE. USE W/INSTALLED HGT. OF 1.90.IPLIANT. KIT INCLUDES 1-[MTCIRS & 40Z MELL LUBE.IGT ZERO LASH; MUST BE USED RAINT TYPE; HYD. ROLLER R USE W/ RETRO-FIT ROLLER 22236]2 GROOVEIMHAFT; INSTALLED HGT. OF 1.9 REQUIRED)							
ł		22236	224 234	296 308	.527 .544	106 114	110					
	2200-5700											
F		M-10012										
ľ	Torque Cam Lifter Kit	CL-MTC-6	ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USE ADJUSTABLE VALVE TRAIN STOCK REPLACEMENT TYPE; HYD. ROLLER									
	-											
	Hydraulic Flat Tappet Lifters	298174										
		298184										
	Hydraulic Retro-fit Roller Lifters	BB817RF16										
					3/8" STEM 2 GROOVE 11/32" STEM							
	Valve Locks											
L												
	Valve Spring with Mechanical	VS-320		MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.								
ł	Lifters		(MACHINING MAY BE REQUIRED) USE WITH [22100] CAM- NOTE: ASM. HEIGHT OF OUTER- USE WITH [22427] CAM- MACHINING MAY									
L		VS-320										
		466154										
╞		400404	REQUIRE									
		466164	INNER- USE WITH [22427] CAM- MACHINING MAY BE REQUIRED USE WITH [22214], [22204], [22296], [22306], [22302], [22100] CAMS- NOTE: ASM. HEIGHT OF 1.88- MACHINING MAY BE REQUIRED. USE WITH [22396] CAM- MACHINING MAY BE REQUI									
╞	Value Onvine with Underselle	400004										
	Valve Spring with Hydraulic	466224										
	Lifters											
		466004										
		466224 475064			VI- IVIACHINI	ING IVIAY BE	REQUIREL					
	Volvo Epring Potoinaro		CHROME MOLY LONG SLOT ROCKER ARM RATIO 1.75									
	Valve Spring Retainers											
	Rocker Arms	498684				INT. 3/8" DIA. HEAT TREATED FOR GUIDE PL						
			INT. 3/8" D	DIA. HEAT TR	REATED FOR		ATES MAX.					
	Rocker Arms	498684 500154	INT. 3/8" D SPRING P	DIA. HEAT TR RESSURE 3	REATED FOR 50 LBS.	R GUIDE PL						
	Rocker Arms	498684	INT. 3/8" D SPRING P EXH. 3/8"	DIA. HEAT TR	REATED FOF 50 LBS. ENGTH - HE	R GUIDE PL	D FOR					

Line No.	Part Title	Part No.	Description
28	454 ENG - 1970-76 - 8 Cyl 4.2	250 Bore	
	Chrome Moly Push Rods	500294	INT. 7/16" DIA 8.280 LENGTH, 7/16" DIA. MAX. SPRING
	-		PRESSURE 350 LBS.
		500304	EXH. 7/16" DIA 9.252 LENGTH, 7/16". MAX. SPRING
			PRESSURE 350 LBS.
	Part TitlePart454 ENG - 1970-76 - 8 Cyl 4.250 BoreChrome Moly Push Rods500294Guide PlatesMGP100Gear Drive Set484104841004841003pc Set48510W	MGP1064	7/16" THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED)
		MGP1074	3/8" THICK- MUST BE USED WITH SCREW-IN ROCKER ARM STUDS. (RAISED)
	154 ENG - 1970-76 - 8 Cyl 4.250 Bore         Shrome Moly Push Rods       500294         Soude Plates       MGP1064         MGP1074       MGP1074         Sear Drive Set       48410         Appc Set       48510W-9         Appc Set       48510W-9         40205       40401	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
		10110	CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; NOISY SET NOISY SET
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL
			PIN HOLE INSERTS. RECOMMENDED FOR STREET
			AND STRIP, CLAIMER AND RACING ENGINES UP TO
			6,500 RPM.; QUIET SET QUIET SET
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
			WASHER
		48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE
		40005	
		40205	INCLUDES DOUBLE ROLLER CHAIN, CAST IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET.
		40401	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK
			SPROCKET.
		40510	INCLUDES SEAMLESS SINGLE SOLID ROLLER CHAIN
			(.335" ROLLER), CAST IRON CAM SPROCKET,
			MULTIPLE KEYWAY CRANK SPROCKET EXC. STOCK
			ROLLER CAM ENGINES.
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS
			FIT ROLLER THRUST BEARINGS.
	Continued on Next Page		

HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP. 10077-900SS (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP. 10770 HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/STEEL GUIDE WILL USE STOCK 3/4" PRESS-IN SCREEN. 10774 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10770 PUMP. 10778 (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD	Line			MANCE - CHEVROLET CARS & TRUCKS (Continued
Oil Pump         10070-1000SS         (MELLING PATENT 5.810.571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10070-800SS         (MELLING PATENT 5.810.571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10070-900SS         (MELLING PATENT 5.810.571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10077-800SS         (MELLING PATENT 5.810.571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10077-800SS         (MELLING PATENT 5.810.571) STANDARD VOLUME. MULTIPLE PRESSURS STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10077-900SS         (MELLING PATENT 5.810.571) STANDARD VOLUME. MULTIPLE SPRESSENS STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND STRIP.           10077-900SS         (MELLING PATENT 5.810.571) STANDARD VOLUME. MULTIPLE SPRESSENS STUD MOUNTING KIT AND CHROM MOLY I/S SHAFT. STREET AND CHROM MOLY I/S SHAFT. STREET AND ST				Description
MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLV IS SHAFT. STREET AND STRIP.           10070-800SS         (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10070-900SS         (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY IS SHAFT. STREET AND STRIP.           10077-800SS         (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MULTY IS SHAFT. STREET AND STRIP.           10077-900SS         (MELLING PATENT 5,810,571) MOUNTING KIT AND CHROM MULTY IS SHAFT. STREET AND STRIP.           10077         HI VOL PUMP (25% ADD VOL OF OIL) FEATURES: STEEL GEARS,	28	454 ENG - 1970-76 - 8 Cyl 4.2	250 Bore	
HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10070-800SS         MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10070-800SS         (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10077-800SS         (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10077-800SS         (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10077-900SS         (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9° PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONA RELIEF SPRINGS, STUD MOUNTING KIT AND CHROM MOLY US SHAFT. STREET AND STRIP.           10770        HI VOL PUMP		Oil Pump	10070-1000SS	
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WILL USE STOCK 3/4" PRESS-IN SCREEN.         10774       FEATURES STEEL GEARS; STANDARD VOLUME         VERSION OF THE 10770 PUMP.         10778       (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD			10770	
10774         FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10770 PUMP.           10778         (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD				,
VERSION OF THE 10770 PUMP.           10778         (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD			10774	
10778 (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADD			10/74	
			10778	
VOL OF OIL) FEATURES: STEEL GEARS: SHAFTS				VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS
EXTENDED INTO COVER FOR SUPPORT, RELIEF				,
VALVE HAS SCREW IN PLUG. INCLUDES [12770]				
CHROME MOLY INTERMEDIATE SHAFT WITH STEEL				
GUIDE.				
Continued on Next Page		Continued on Next Page		

Line No.	Part Title	Part No.			Description		
28	454 ENG - 1970-76 - 8 Cyl 4.2				Decemption		
20	Oil Pump	10778C	(MELLING	PATENT 5.8	310,571) HI \		
					ES: STEEL G	•	
				,	ER FOR SU	,	
					N PLUG. INC		
					RMEDIATE S	-	-
					/ITATION GI		
					CREEN. RA		
			ONLY.				0,1110110
	Oil Pump Drive Shaft	12770				ATE SHAF	т нісн
					PSI) CHROM		
				•	TAINER WH		
				UMP DRIVE			
29	454 ENG - 1970-97 - 8 Cyl 4.2	250 Bore					
23	Torque Camshaft		_	_		_	
	Torque Camsnan		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees
				Int. Exh.	Valve lift	Lobe cntr.	Separation
			Int. Exh.		Int. Exh.	Int. Exh.	110
	1970-1994 HYD. USE [VS-320]	MTC-6	204 208	288 298	.459 .459	108 116	112
	SPRING W/INSTALLED HGT. OF						
	1.90. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Flat Tappet Litters		.050" dur Int. Exh.	ADV. Dur	Valve lift	Lobe cntr.	Separation
	1070 1004 OEM #2004262	22396	242 242	Int. Exh. 310 297	Int. Exh. .520 .520	Int. Exh. 108 120	114
	1970-1994 OEM #3904362. CLASS III. NOT CALIFORNIA	22390	242 242	310 297	.520 .520	106 120	114
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	3200-7200.						
	1970-1994 CLASS IV. NOT	22407	250 261	301 304	.576 .639	108 116	112
	CALIFORNIA COMPLIANT. NOT	22407	200 201	001 004	.070 .000	100 110	112
	COMPUTER COMPATIBLE.						
	POWER RANGE 3500-7500.						
	1970-1994 CLASS IV. NOT	22427	264 270	322 322	.559 .580	108 116	112
	CALIFORNIA COMPLIANT. NOT		201 270	OLL OLL	.000 .000	100 110	
	COMPUTER COMPATIBLE.						
	POWER RANGE 4500-8000.						
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1970-1994 CLASS I. NOT	22100	192 203	271 281	.398 .430	107 117	112
	CALIFORNIA COMPLIANT. NOT			_		-	
	COMPUTER COMPATBLE.						
	POWER RANGE IDLE-4000.						
	1970-1994 CLASS I. NOT	22127	190 202	261 272	.438 .465	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 700-4500.						
	Continued on Next Page						
							L

Line No.	Part Title	Part No.			Description		
<u>29</u>	454 ENG - 1970-97 - 8 Cyl 4.2				Description		
<b>E3</b>	Camshafts Using Hydraulic Flat		<b>D</b>	5		5	
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation
	1970-1994 CLASS II. NOT	22204	214 224	292 302	.503 .528	108 116	112
	CALIFORNIA COMPLIANT. NOT	LLLUY		202 002	.000 .020	100 110	
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1970-1994 CLASS II. NOT	22214	214 214	293 293	.503 .503	109 119	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1970-1994 CLASS II. NOT	22296	222 235	310 325	.500 .505	110 120	115
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5700.						
	1970-1994 CLASS III. NOT	22302	230 230	309 309	.513 .513	106 114	110
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1994 CLASS III. NOT	22306	224 234	302 308	.528 .552	110 118	114
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1970-1994 CLASS IV. NOT	22471	240 246	305 311	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3200-6700.						
	Camshafts Using Hydraulic Roller Lifters		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Litters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
		00007	Int. Exh.	Int. Exh.	Int. Exh. .502 .510	Int. Exh.	110
	1996-1997 FOR ENGINES	22297	216 228	288 300	.502 .510	108 116	112
	EQUIPPED WITH FACTORY ROLLER. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 1600-5000.						
	CLASS IV. NOT CALIFORNIA	22472	237 245	335 329	.626 .639	109 115	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	1970-1994 CLASS IV. NOT	22480	241 246	305 310	.559 .572	110 114	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 3000-6500.						
	CLASS IV. NOT CALIFORNIA	22485	236 246	316 324	.561 .578	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2600-6300.						
	Continued on Next Page						

	Part Title	Part No.	Description							
4	54 ENG - 1970-97 - 8 Cyl 4.2		Dooripion							
	amshafts Using Hydraulic		_			_	_			
	etro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparation			
F	OR USE WITH RETRO-FIT	22141	216 228	288 300	.501 .510	108 116	112			
	OLLER LIFTERS [BB817RF16]	22141	210 220	200 000		100 110	112			
	ND [BB969RF16] CLASS I. NOT									
	ALIFORNIA COMPLIANT. NOT									
-	OMPUTER COMPATIBLE.									
	OWER RANGE 1700-5200									
FC	OR USE WITH RETRO-FIT	22236	224 234	296 308	.527 .544	106 114	110			
R	OLLER LIFTERS [BB817RF16]									
A	ND [BB969RF16] CLASS II. NOT									
C	ALIFORNIA COMPLIANT. NOT									
C	OMPUTER COMPATIBLE.									
	OWER RANGE 2200-5700									
	ell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT							
	orque Cam Lifter Kit	CL-MTC-6	1970-1994 CLASS I HYD. NOT COMPUTER COMPATIBLE. USE WITH [VS-320] SPRING W/							
			INSTALLED HGT. OF 1.90. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTC-6] CAM, 16-[JI							
			LIFTERS & 40Z MELL LUBE.							
Н	ydraulic Flat Tappet Lifters	298174	1970-1990 USE FACTORY SETTING							
<u> </u>		298184	1970-1990 USE FACTOR FSETTING 1970-1994 ANTI-PUMP UP, SET AT ZERO LASH; MUST							
				W/ ADJUST/						
		299694		USE FACT						
		299704	1991-1997	ANTI-PUM	P UP, SET A	T ZERO LA	SH; MUST			
			BE USED W/ ADJUSTABLE VALVE TRAIN							
	ydraulic Roller Lifters	JB-7003	1970-1994 STOCK REPLACEMENT TYPE; HYD. ROLLEF							
H	ydraulic Retro-fit Roller Lifters	BB817RF16	1970-1987 RETRO-FIT LIFTER FOR USE W/ RETRO-FIT							
ļ			ROLLER CAMSHAFT [22141], [22236]							
		BB969RF16	1988-1997 RETRO-FIT LIFTER FOR USE W/ RETRO-FI							
<u> </u>		1=0004	ROLLER CAMSHAFTS [22141], [22236]							
Va	alve Locks	473004	1970-1994 HARDENED 3/8" STEM 2 GROOVE							
V	alua Caring with Machanical	476104	1970-1994 HARDENED 11/32" STEM							
	alve Spring with Mechanical fters	VS-320	1970-1994 USE WITH [22100] CAM- NOTE: ASM. HEIGH							
LI	liers	VS-320	OF 1.88							
		V 3-320	USE W/ [MTC-6] CAMSHAFT; INSTALLED HGT. OF 1.90							
		466154	(MACHINING MAY BE REQUIRED) 1970-1994 OUTER- USE WITH [22427] CAM- MACHINII							
			MAY BE REQUIRED							
		466164			E WITH [224	27] CAM- M	ACHINING			
			1970-1994 INNER- USE WITH [22427] CAM- MACHININ MAY BE REQUIRED							
Vá	alve Spring with Hydraulic	466224	1970-1994 USE WITH [22214], [22204], [22296], [22306							
Li	fters		[22302], [22100] CAMS- NOTE: ASM. HEIGHT OF 1.				OF 1.88-			
			MACHINING MAY BE REQUIRED.							
		466224		USE WITH	[22396] CAM	- MACHININ	IG MAY BE			
			REQUIRED							
	alve Spring Retainers	475064		CHROME N						
	ocker Arms	498684		LONG SLO						
C	hrome Moly Push Rods	500154		HEAT TRE		UIDEPLATE	ES MAX.			
				RESSURE 3						
1		500164	1970-1994 9.230 LENGTH - HEAT TREATED FOR GUID							
			PLATES. MAX. SPRING PRESSURE 350 LBS.							

### PERFORMANCE - CHEVROLET CARS & TRUCKS (Continued)

Line No.	Part Title	Part No.	Description					
29	454 ENG - 1970-97 - 8 Cyl 4.2		Becomption					
23	Chrome Moly Push Rods	500294	1970-1994 8.280 LENGTH, 7/16" DIA. MAX. SPRING					
	on one mory rush nous	000204	PRESSURE 350 LBS.					
		500304	1970-1994 9.252 LENGTH, 7/16". MAX. SPRING					
			PRESSURE 350 LBS.					
	Guide Plates	MGP1064	1970-1994 7/16" THICK- MUST BE USED WITH					
			SCREW-IN ROCKER ARM STUDS. (RAISED)					
		MGP1074	1970-1994 3/8" THICK- MUST BE USED WITH SCREW-IN					
			ROCKER ARM STUDS. (RAISED)					
	Gear Drive Set	48410	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER					
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING					
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL					
			PIN HOLE INSERTS. RECOMMENDED FOR STREET					
			AND STRIP, CLAIMER AND RACING ENGINES UP TO					
			6,500 RPM.; NOISY SET NOISY SET					
		48410Q	INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER					
			CAMBUTTON, LOCK PLATE AND BOLTS, TIMING					
			ADJUSTED WITH 5 OPTIONAL COLOR CODED DOWEL					
			PIN HOLE INSERTS. RECOMMENDED FOR STREET					
			AND STRIP, CLAIMER AND RACING ENGINES UP TO					
			6,500 RPM.; QUIET SET QUIET SET					
	3pc Set	48510W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE					
		48510W-9	WASHER RECOMMENDED FOR STREET AND STRIP, CIRCLE					
		4851099	TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH $+4^{\circ}/-4^{\circ}$ CAM ADJUSTMENT. BRONZE					
			WASHER					
		40205	1970-1994 INCLUDES DOUBLE ROLLER CHAIN, CAST					
			IRON CAM SPROCKET, MULTIPLE KEYWAY CRANK					
			SPROCKET.					
İ		40401	1970-1994 INCLUDES SEAMLESS SOLID ROLLER					
			CHAIN, CAST IRON CAM SPROCKET, MULTIPLE					
			KEYWAY CRANK SPROCKET.					
		40510	1970-1994 INCLUDES SEAMLESS SINGLE SOLID					
			ROLLER CHAIN (.335" ROLLER), CAST IRON CAM					
			SPROCKET, MULTIPLE KEYWAY CRANK SPROCKET					
			EXC. STOCK ROLLER CAM ENGINES.					
		48510T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
			TRACK, HOT ROD, CLAIMER ENGINES. INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS					
	Oradiana dan Nati D		FIT ROLLER THRUST BEARINGS.					
	Continued on Next Page							

# PERFORMANCE - CHEVROLET CARS & TRUCKS (Continued)

Line No.	Part Title	Part No.	Description
29	454 ENG - 1970-97 - 8 Cyl 4.2		•
	Oil Pump	10070-1000SS	(MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 10" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL
			RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10070-800SS	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10070-900SS	1970-1994 (MELLING PATENT 5,810,571) HI VOLUME 25%. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10077-800SS	1970-1994 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 8" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10077-900SS	1970-1994 (MELLING PATENT 5,810,571) STANDARD VOLUME. MULTIPLE PRESSURE SETTINGS. ALUMINUM BILLET. HEAVY DUTY SHAFT SUPPORT AND PROTECTIVE COATINGS. SCREW IN VALVE. SCREEN FOR 9" PAN INTEGRATED INTO PUMP BODY. INCLUDES OPTIONAL RELIEF SPRINGS, STUD MOUNTING KIT AND CHROME MOLY I/S SHAFT. STREET AND STRIP.
		10770	1970-1994 HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; INCLUDES I/S SHAFT W/ STEEL GUIDE. WILL USE STOCK 3/4" PRESS-IN SCREEN.
		10774	1970-1994 FEATURES STEEL GEARS; STANDARD VOLUME VERSION OF THE 10770 PUMP.
		10778	1970-1994 (MELLING PATENT 5,810,571) HI VOL PUMP (25% ADDL VOL OF OIL) FEATURES: STEEL GEARS; SHAFTS EXTENDED INTO COVER FOR SUPPORT, RELIEF VALVE HAS SCREW IN PLUG. INCLUDES [12770] CHROME MOLY INTERMEDIATE SHAFT WITH STEEL GUIDE.
	Continued on Next Page		

### PERFORMANCE - CHEVROLET CARS & TRUCKS (Continued)

Line			
No.	Part Title	Part No.	Description
29	454 ENG - 1970-97 - 8 Cyl 4.2	250 Bore	
	Oil Pump	10778C	1970-1994 (MELLING PATENT 5,810,571) HI VOL PUMP
			(25% ADDL VOL OF OIL) FEATURES: STEEL GEARS;
			SHAFTS EXTENDED INTO COVER FOR SUPPORT,
			RELIEF VALVE HAS SCREW IN PLUG. INCLUDES
			[12770] CHROME MOLY INTERMEDIATE SHAFT WITH
			STEEL GUIDE. HAS ANTI-CAVITATION GROOVES.
			REQUIRES SPECIAL SCREW IN SCREEN. RACING
			APPLICATIONS ONLY.
	Oil Pump Drive Shaft	12770	1970-1994 PERFORMANCE TYPE INTERMEDIATE
			SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY
			STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS
			ONTO THE OIL PUMP DRIVE SHAFT

#### **PERFORMANCE - CHRYSLER PRODUCTS**

Line											
No.	Part Title	Part No.			Description						
1	2.0-Y (122) DOHC ENG 1995-	99 - 4Cyl 3.44	Bore								
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT						
	Oil Pump	10190	HI VOLUM	E 20%. UPG	RADED MA	TERIALS FC	R				
			IMPROVED PERFORMANCE AND DURABILITY.								
			INSTALLED RELIEF SPRING DESIGNED TO INCREASE								
			INTERNAL BY-PASS PRESSURE SETTING. SUPP								
					RING TO RE		PASS				
				E TO STOC	K SETTINGS	S.					
2	2.0-C,F (122) SOHC ENG - 1995-05 4 Cyl 3.45 Bore										
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT								
	Oil Pump	10190			RADED MA						
			_	-	IANCE AND	-					
			-	-	PRING DESI						
					RESSURE						
					RING TO RE		PASS				
			PRESSURE TO STOCK SETTINGS.								
3	4.5 (273) ENG - 1965-69 - V8 - 3.625 Bore										
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees				
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.					
	HYD. IMPROVES LOW-MID	MTD-1	204 214	278 288	.421 .443	108 116	112				
	PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS										
	I. NOT CALIFORNIA COMPLIANT.										
	NOT COMPUTER COMPATIBLE.										
	POWER RANGE 1200-4700.										
	Camshafts Using Hydraulic Flat		Desman	Desman	la ele e e	Desman	Desman				
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation				
	EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112				
	II. NOT CALIFORNIA										
	COMPLIANT. NOT COMPUTER										
	COMPATIBLE. POWER RANGE										
	1700-5200.										
	Mechanical Flat Tappet Lifters	299374		·	·	·					
	Hydraulic Flat Tappet Lifters	290114									
	Valve Locks	471004	INTAKE								
	Continued on Next Page										

	Part Title	Part No.	Description							
	4.5 (273) ENG - 1965-69 - V8 - 3		Bootipion							
	Valve Locks	474004	EXHAUST							
┢	Valve Spring with Hydraulic	466434			22011 [2220/	01 [00100] (	AMC			
	Lifters	400434	USE WITH [MTD-1], [23301], [23203], [23123] CAMS (MACHINING MAY BE REQUIRED)							
┢	Valve Spring Retainers	475144			WITH [4664		29			
$\vdash$	Chrome Moly Push Rods	500224			MECHANICA	-				
	onione mory i dan noda	500224		RESSURE 3			WI/ (/ \.			
┢		500594			HYDRAULIC		ERS MAX.			
		500554		RESSURE 3						
┢	3pc Set	40202			HAIN, CAST	IBON CAM				
	ope cer	40202			LE KEYWAY					
┢		40406			S SOLID RO					
					T & MULTIPI					
			SPROCKE				Orbant			
┢	Oil Pump	M-72HV								
F	Oil Pump Drive Shaft	12720	HI VOL PUMP (25% ADDL VOL OF OIL) PERFORMANCE TYPE INTERMEDIATE SHAF							
				E MOLY ST						
				•	,					
			IMPROVED SHAFT RETAINER WHICH LOCKS OF THE OIL PUMP DRIVE SHAFT							
	5.2 (318) OHV ENG - 1975-02 - V8 - 3.910 Bore									
	Torque Camshaft		_			_	_			
	loique camsnan		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degree: Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separatio			
	1975-1988 HYD.IMPROVES	MTD-1	204 214	278 288	.421 .443	108 116	112			
	LOW-MID PERF. CHECK FOR		204 214	270 200	.421 .443	106 116	112			
	COIL BIND. (EXC. ROLLER									
	LIFTERS) CLASS I. NOT									
	CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 1200-4700.									
┢	Camshafts Using Hydraulic Flat		5	5						
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degree: Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Oeparatio			
	EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112			
	II. NOT CALIFORNIA	23203	214 224	200 290	.444 .400	100 110	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	1700-5200.									
+	Mechanical Flat Tappet Lifters	299374		I	I		1			
F	Hydraulic Flat Tappet Lifters	290114								
F	Valve Locks	471004	INTAKE							
F		474004	EXHAUST							
F	Valve Spring with Hydraulic	466434			3301], [23203	3], [23123] C	AMS			
	Lifters				REQUIRED)					
F	Valve Spring Retainers	475144			WITH [4664		S			
F	Chrome Moly Push Rods	500594			ER LIFTERS	-				
	,	_		E 350 LBS.						
F	3pc Set	40202			HAIN, CAST	IRON CAM				
	•				LE KEYWAY					
┢		40406			S SOLID RO					
					T & MULTIPL					
			SPROCKE							
H	Oil Pump	M-72HV								
			HI VOL PUMP (25% ADDL VOL OF OIL)							

e	PERFORMANCE - CHRYSLER PRODUCTS (Continued)									
	Part Title	Part No.	Description							
	5.2 (318) OHV ENG - 1975-02 -	V8 - 3.910 Bore								
	Oil Pump Drive Shaft	12720	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT							
	5.6 (340) ENG - 1968-73 - V8 - 4	.04 Bore								
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation			
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. (EXC. ROLLER LIFTERS) CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-1	204 214	278 288	.421 .443	108 116	112			
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation			
	EXC. ROLLER LIFTERS. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	23203	214 224	288 298	.444 .466	108 116	112			
ŀ	Mechanical Flat Tappet Lifters	299374								
	Hydraulic Flat Tappet Lifters	290114								
	Valve Locks	471004								
	Valve Spring with Hydraulic Lifters	474004 466434		[MTD-1], [23 NG MAY BE			AMS			
	Valve Spring Retainers	475144	CHROME	MOLY - USE	WITH [4664	34] SPRING	iS			
	Chrome Moly Push Rods	500594	USE WITH LBS.	HYD. LIFTE	RS MAX. SF	PRING PRES	SSURE 350			
	3pc Set	40202	SPROCKE	ROLLER C	LE KEYWAY	CRANK SF				
		40406	IRON CAN SPROCKE		T & MULTIPL	E KEYWAY				
╞	Oil Pump	M-72HV		MP (25% AD		,				
	Oil Pump Drive Shaft 5.7-2,D,H (345) OHV ENG - 200	12720	STRENGT IMPROVEI THE OIL P	IANCE TYPE H (150,000 F D SHAFT RE UMP DRIVE	PSI) CHROM	E MOLY ST	EEL.			
	Mell Lube	M-10012								
	Oil Pump	10342	ENGINE ASSEMBLY LUBRICANT EXCLUDES ASPEN. STANDARD VOLUME. PROTECTIVE ANODIZED BODY. CAST IRON COVER WITH PHOSPHATE COATING. SCREW IN VALVE. CUP PLUG REPLACED WITH THREADED FITTING. USES 1-1/8" BOLT ON SCREEN. INCLUDES OPTIONAL PRESSURE SPRINGS.							

•	Part Title	Part No.			Description			
	5.9 (360) OHV ENG - 1971-02 -							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1971-1988 HYD. IMPROVES LOW-MID PERF. CHECK FOR	MTD-1	204 214	278 288	.421 .443	108 116	112	
	COIL BIND. (EXC. ROLLER							
	LIFTERS) CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1200-4700.							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	EXC. ROLLER LIFTERS. CLASS	23203	214 224	288 298	.444 .466	108 116	112	
	II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200.							
	Mechanical Flat Tappet Lifters	299374						
Ļ	Hydraulic Flat Tappet Lifters	290114						
Ļ	Valve Locks	471004	INTAKE					
		474004	EXHAUST		00041 [00000			
	Valve Spring with Hydraulic	466434	USE WITH [MTD-1], [23301], [23203] CAMS (MACH MAY BE REQUIRED) USE W/ 466434 SPRINGS					
╞	Lifters	475144						
┝	Valve Spring Retainers Chrome Moly Push Rods	500594			HYD. LIFTEF		RING	
	Chrome wory Fush hous	500594		E 350 LBS.				
Γ	3pc Set	40202	INCLUDES	<b>ROLLER C</b>	HAIN, CAST	IRON CAM		
			SPROCKE	T & MULTIP	LE KEYWAY	CRANK SF	PROCKET	
		40406			S SOLID ROI		,	
					T & MULTIPL	E KEYWAY	CRANK	
ļ			SPROCKE					
ļ	Oil Pump	M-72HV			DDL VOL OF			
	Oil Pump Drive Shaft	12720						
					PSI) CHROM			
	5.9 (361) ENG - 1961-64 - V8 - 4	1 125 Bore		UMP DRIVE	SHAFI			
	Torque Camshaft		<b>D</b>	<b>D</b>		<b>D</b>	5	
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	SINGLE BOLT CAM. USE	MTD-2	204 214	278 288	.421 .443		112	
	[466434]. CLASS I. NOT			2,0 200				
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE							
	COMPUTER COMPATIBLE. POWER RANGE 1200-4700.							

Line		<b>-</b>							
No.	Part Title	Part No.			Description				
8	5.9 (361) ENG - 1961-64 - V8 - 4	1.125 Bore	1	1	1		1		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112		
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
_	POWER RANGE 1700-5200.								
	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108		
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
-	POWER RANGE 2500-6000.				170 170		400		
	CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
-	3000-6400.		0.40, 0.50	011 000	504 554	100 110	100		
	SINGLE BOLT CAM. CLASS IV.	23401	242 253	311 322	.521 .551	108 110	109		
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
-	POWER RANGE 3200-6700.	200274							
-	Mechanical Flat Tappet Lifters Valve Locks	299374 471004	INTAKE						
-		474004	EXHAUST						
-	Valve Spring with Mechanical	466154			TOCK CAMS				
	Lifters	400154	BE REQUI						
-	Litters	466164				S - MACHINING MAY BE			
		400104	REQUIRE						
ŀ	Valve Spring with Hydraulic	466224			232041 CAMS	S - NOTE: AS	SM		
	Lifters	100221	USE WITH [23302] & [23204] CAMS - NOTE: ASM. HEIGHT OF 1.80-MACHINING MAY BE REQUIRED USE WITH [MTD-2] CAM - NOTE: ASM. HEIGHT OF 1.80-MACHINING MAY BE REQUIRED						
-		466434							
-	Valve Spring Retainers	475094			WITH [4661		24]		
	1 0		SPRINGS		-				
-		475144	CHROME	MOLY - USE	WITH [4664	34] SPRING	iS		
-	3pc Set	40203	INCLUDES	<b>ROLLER C</b>	HAIN, CAST	IRON SING	LE BOLT		
	-		CAM SPR	OCKET & MU	JLTIPLE KE	YWAY CRAI	١K		
			SPROCKE	Т					
		40407	INCLUDES	SEAMLES	S SOLID ROI	LLER CHAIN	I, CAST		
			IRON CAM	I SPROCKE	T & MULTIPL	E KEYWAY	CRANK		
			SPROCKE						
	Oil Pump	M-63HP	HI PRESS	URE HI PRE	SSURE OIL	PUMP			
		M-63HV			DDL VOL OF	,			
	Oil Pump Drive Shaft	12630							
	en rump Brite enait		STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
				•	,				
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO		
	·		IMPROVEI THE OIL P	•	TAINER WH	IICH LOCKS	ONTO		
9	6.1-W,3 (370) OHV ENG - 2005	-07 - 8 Cyl 4.06	IMPROVEI THE OIL P	D SHAFT RE	TAINER WH	IICH LOCKS	S ONTO		
9	·	-07 - 8 Cyl 4.06 M-10012	IMPROVEI THE OIL P 6 Bore	D SHAFT RE	TAINER WH SHAFT	IICH LOCKS	ONTO		
9	6.1-W,3 (370) OHV ENG - 2005	-	IMPROVEI THE OIL P 6 Bore ENGINE A	D SHAFT RE UMP DRIVE SSEMBLY L	TAINER WH SHAFT				
9	6.1-W,3 (370) OHV ENG - 2005 Mell Lube	M-10012	IMPROVEI THE OIL P 6 Bore ENGINE A STANDAR	D SHAFT RE UMP DRIVE SSEMBLY L D VOLUME.	TAINER WH SHAFT UBRICANT	/e anodize	ED BODY.		
9	6.1-W,3 (370) OHV ENG - 2005 Mell Lube	M-10012	IMPROVEI THE OIL P <b>5 Bore</b> ENGINE A STANDAR CAST IRO	D SHAFT RE UMP DRIVE SSEMBLY L D VOLUME. N COVER W	UBRICANT	/E ANODIZE HATE COAT	ed Body. Ting.		
9	6.1-W,3 (370) OHV ENG - 2005 Mell Lube	M-10012	IMPROVEI THE OIL P 5 Bore ENGINE A STANDAR CAST IRO SCREW IN	D SHAFT RE UMP DRIVE SSEMBLY L D VOLUME. N COVER W I VALVE. CU	UBRICANT PROTECTIN	/E ANODIZE HATE COAT PLACED WI	ed Body. Ting. Th		

Part Title									
6.3 (383) ENG - 1959-71 - V8 - 4	1.250 Bore								
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
HYD. IMPROVES LOW-MID	MTD-2	204 214	278 288	.421 .443	107 117	112			
PERF. CHECK FOR COIL BIND.									
USE [VS-430] SPRING W/									
INSTALLED HGT. OF 1.86.									
SINGLE BOLT CAM. CLASS I.									
NOT CALIFORNIA COMPLIANT.									
NOT COMPUTER COMPATIBLE.									
POWER RANGE 1200-4700.									
Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degree			
Tapper Litters		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation			
SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112			
NOT CALIFORNIA COMPLIANT.	23204	214 224	200 230	.440 .432	107 117	112			
NOT COMPUTER COMPATIBLE.									
POWER RANGE 1700-5200.									
SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108			
NOT CALIFORNIA COMPLIANT.									
NOT COMPUTER COMPATIBLE.									
POWER RANGE 2500-6000.									
CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106			
COMPLIANT. NOT COMPUTER									
COMPATIBLE. POWER RANGE									
3000-6400. SINGLE BOLT CAM. CLASS IV.	23401	242 253	311 322	.521 .551	108 110	109			
NOT CALIFORNIA COMPLIANT.	23401	242 255	311 322	.521 .551	100 110	109			
NOT COMPUTER COMPATIBLE.									
POWER RANGE 3200-6700.									
Torque Cam Lifter Kit	CL-MTD-2	IMPROVE	S LOW-MID	PERF. USE	[VS-430]. SI	INGLE			
		BOLT CAN	1. NOT CALI	FORNIA CO	MPLIANT. K	IT			
		INCLUDES	6 1-[MTD-2] (	CAM, 16-[JB·	-976] LIFTEF	RS & 40Z			
		-		OR COIL BI		6-430]			
Machanical Flat Taxant Lifts	000074	SPRING W	//INSTALLEI	DHGT. OF 1	.86				
Mechanical Flat Tappet Lifters Hydraulic Flat Tappet Lifters	299374 299764	1968-1971							
Valve Locks	471004	INTAKE							
	474004	EXHAUST							
Valve Spring with Mechanical	466154			TOCK CAMS	- MACHINI	NG MAY			
Lifters		BE REQUI							
	466164	INNER - U	SE WITH ST	OCK CAMS	- MACHININ	IG MAY B			
		REQUIRE							
Valve Spring with Hydraulic	466224			23204] CAMS		SM HEIGH			
Lifters				MAY BE REC					
	466434			M - NOTE: A	SM. HEIGH	T OF 1.80			
Value Onvine Dataire	475004		IG MAY BE I		E 41 0 E 4000	0.41			
Valve Spring Retainers	475094		MOLY - USE	WITH [4661	54] & [4662	24]			
	475144	SPRINGS		WITH [4664		20			
Valve Springs	475144 VS-430			SHAFT (MAC					
taive opiniga	V-750	REQUIRE	-						
			-,						

Line									
No.	Part Title	Part No.			Description				
10	6.3 (383) ENG - 1959-71 - V8 - 4								
	Chrome Moly Push Rods	500384		LOW BLOC			URE 350		
	3pc Set	40203	INCLUDES ROLLER CHAIN, CAST IRON SINGLE BOLT CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET						
		40407		SEAMLESS SPROCKE					
	Oil Pump	M-63HP	HI PRESSURE HI PRESSURE OIL PUMP						
		M-63HV	HI VOL PUMP (25% ADDL VOL OF OIL)						
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
11	6.6 (400) OHV ENG - 1975-78 -	V8 - 4.34 Bore							
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation		
	HYD. SINGLE BOLT CAM. USE [466434]. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-2	204 214	278 288	.421 .443	107 117	112		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
	SINGLE BOLT CAM. CLASS II.	23204	Int. Exh. 214 224	Int. Exh. 288 298	Int. Exh. .443 .452	Int. Exh. 107 117	112		
	NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.								
	SINGLE BOLT CAM. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	23302	236 236	302 302	.480 .480	108 108	108		
	SINGLE BOLT CAM. CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	23401	242 253	311 322	.521 .551	108 110	109		
	Mechanical Flat Tappet Lifters	299374							
	Hydraulic Flat Tappet Lifters	299764	15 1 <del>7</del> 5 5 7						
	Valve Locks	471004							
	Valve Spring with Mechanical	474004 466154	EXHAUST	JSE WITH S					
	Lifters	466164	BE REQUI						
	····		REQUIRE	)					
	Valve Spring with Hydraulic Lifters	466224	HEIGHT O	[23302] & [2 F 1.80- MAC	HINING MA	Y BE REQUI	RED		
		466434		[MTD-2] CA NG MAY BE			T OF 1.80		
	Valve Spring Retainers	475094		- USE WITH	,		RINGS		
		475144		- USE WITH					
	Continued on Next Page				-				
		1	1						

No. 11	Part Title	Part No.			Description						
	6.6 (400) OHV ENG - 1975-78 - V8 - 4.34 Bore										
	3pc Set	40203	INCLUDES	ROLLER C	HAIN, CAST	IRON SING	LE BOLT				
				OCKET & MU	JLTIPLE KE						
		40407	INCLUDES	SEAMLES	SOLID ROI	LER CHAIN	I, CAST				
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK								
	Oil Pump	M-63HP	HI PRESSURE HI PRESSURE OIL PUMP HI VOL PUMP (25% ADDL VOL OF OIL)								
-		M-63HV				,	T LUOL				
	Oil Pump Drive Shaft	12630									
			STRENGTH (150,000 PSI) CHROME MOLY STEE IMPROVED SHAFT RETAINER WHICH LOCKS C								
				UMP DRIVE							
12	6.8 (413) ENG - 1959-65 - 8 Cyl	- 4.1876 Bore									
12	Torque Camshaft		Deserves	Desman	la chi chi	Desman	Desire				
			Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.					
	HYD. SINGLE BOLT CAM. USE	MTD-2	204 214	278 288	.421 .443	107 117	112				
	[466434]. CLASS I. NOT										
	CALIFORNIA COMPLIANT. NOT										
	COMPUTER COMPATIBLE.										
	POWER RANGE 1200-4700.										
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees				
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation				
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.					
	SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112				
	NOT CALIFORNIA COMPLIANT.										
	NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.										
-	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108				
	NOT CALIFORNIA COMPLIANT.	20002	200 200	002 002	.+00	100 100	100				
	NOT COMPUTER COMPATIBLE.										
	POWER RANGE 2500-6000.										
	CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106				
	COMPLIANT. NOT COMPUTER										
	COMPATIBLE. POWER RANGE										
	3000-6400.										
	SINGLE BOLT CAM. CLASS IV.	23401	242 253	311 322	.521 .551	108 110	109				
	NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.										
	POWER RANGE 3200-6700.										
	Mechanical Flat Tappet Lifters	299374									
-	Valve Locks	471004	INTAKE								
		474004	EXHAUST								
Ì	Valve Spring with Mechanical	466154	OUTER - L	JSE WITH S	TOCK CAMS	- MACHINI	NG MAY				
	Lifters		BE REQUI	RED							
		466164			OCK CAMS	- MACHININ	IG MAY BE				
			REQUIRED USE WITH [23302] & [23204] CAMS - NOTE: ASM.								
	Valve Spring with Hydraulic	466224			-						
	Lifters	400404			HINING MA						
		466434			M - NOTE: A		I UF 1.80				
ŀ	Valve Spring Retainers	475004					241				
	vaive opining netainers	475094		WOLT - USE	. •••••	04] α [4002]	<u>-+</u> ]				
			CHROME MOLY - USE WITH [466154] & [466224] SPRINGS								

Line										
No.	Part Title	Part No.			Description					
12	6.8 (413) ENG - 1959-65 - 8 Cyl	4.1876 Bore								
	Valve Spring Retainers	475144			EWITH [4664					
	3pc Set	40203	INCLUDES	ROLLER C	HAIN, CAST	IRON SING	LE BOLT			
					JLTIPLE KE	YWAY CRAN	١K			
			SPROCKE							
		40407			S SOLID ROI					
					T & MULTIPL	_E KEYWAY	CRANK			
	Oil Pump	M-63HP	HI PRESSURE HI PRESSURE OIL PUMP HI VOL PUMP (25% ADDL VOL OF OIL)							
		M-63HV				,				
	Oil Pump Drive Shaft	12630								
				•	PSI) CHROM					
				UMP DRIVE		IICH LUCKS	ONTO			
10					SHAFT					
13	7.0 (426) WEDGE ENG - 1963-6	5 - 8 Cyl 4.25	Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	110			
	HYD. SINGLE BOLT CAM. USE	MTD-2	204 214	278 288	.421 .443	107 117	112			
	[466434]. CLASS I. NOT CALIFORNIA COMPLIANT. NOT									
	COMPUTER COMPATIBLE.									
	POWER RANGE 1200-4700.									
	Camshafts Using Hydraulic Flat					<b>D</b>	<b>D</b>			
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation			
	SINGLE BOLT CAM. CLASS II.	23204	214 224	288 298	.443 .452	107 117	112			
	NOT CALIFORNIA COMPLIANT.	20204		200 200		107 117	112			
	NOT COMPUTER COMPATIBLE.									
	POWER RANGE 1700-5200.									
	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108			
	NOT CALIFORNIA COMPLIANT.									
	NOT COMPUTER COMPATIBLE.									
	POWER RANGE 2500-6000.									
	CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	3000-6400.									
	SINGLE BOLT CAM. CLASS IV.	23401	242 253	311 322	.521 .551	108 110	109			
	NOT CALIFORNIA COMPLIANT.									
	NOT COMPUTER COMPATIBLE.									
	POWER RANGE 3200-6700. Mechanical Flat Tappet Lifters	299374								
	Valve Locks	471004	INTAKE							
		474004	EXHAUST							
	Valve Spring with Mechanical	466154			OCK CAMS	- MACHININ	G MAY BE			
	Lifters		REQUIRE		00100/00/000					
		466164			OCK CAMS-	MACHINING	MAY BE			
			REQUIRE							
	Valve Spring with Hydraulic	466224			23204] CAMS	S- NOTE: AS	M. HEIGHT			
	Lifters				MAY BE REC					
		466434			M- NOTE: A		OF 1.80			
					REQUIRED)					
	Continued on Next Page									
		1	1							

ne o.	Part Title	Part No.			Description		
3	7.0 (426) WEDGE ENG - 1963-6	65 - 8 Cyl 4.25	Bore				
	Valve Spring Retainers	475094	CHROME	MOLY - USE	WITH [4661	54] & [4662	24]
			SPRINGS				
[		475144	CHROME	MOLY - USE	E WITH [4664	34] SPRING	iS
	Chrome Moly Push Rods	500194		USE W/ME E 350 LBS.	CH. LIFTERS	S MAX. SPR	ING
		500474		USE W/ME E 350 LBS.	CH. LIFTERS	S MAX. SPR	ING
	3pc Set	40203		OCKET & MU	HAIN, CAST JLTIPLE KE`		
		40217		OCKET & MU	ROLLER CH JLTIPLE KE`		
		40407	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CA IRON CAM SPROCKET & MULTIPLE KEYWAY CR/ SPROCKET HI PRESSURE HI PRESSURE OIL PUMP				
ł	Oil Pump	M-63HP			SSURE OIL	PUMP	
İ	•	M-63HV	HI VOL PUMP (25% ADDL VOL OF OIL)				
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO				
4	7.0 (426) HEMI ENG - 1966-71 ·	8 Cyl - 4 250 B		UMP DRIVE			
4	Valve Spring Retainers	475224					
ŀ	Chrome Moly Push Rods	500364	1070 1071				250100
-	Chrome Moly Push Roas	500364	1970-1971 INTAKE MAX. SPRING PRESSURE 350 LBS. 1970-1971 EXHAUST MAX. SPRING PRESSURE 350 LB				
ŀ	3pc Set	40217					
	Spc Sec	40217	INCLUDES DOULBLE ROLLER CHAIN, STEEL 3 BOLT CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET				
Ì	Oil Pump	M-63HP	HI PRESS	URE HI PRE	SSURE OIL	PUMP	
İ	•	M-63HV	HI VOL PU	IMP (25% AD	DDL VOL OF	OIL)	
	Oil Pump Drive Shaft	12630	STRENGT	H (150,000 F D SHAFT RE	E INTERMED PSI) CHROM TAINER WH	E MOLY ST	EEL.
_			THE OIL P	UMP DRIVE	SHAFT		
5	7.2 (440) OHV ENG - 1966-78 -	v8 - 4.320 Bore			1		1
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [466434] SPRING W/ INSTALLED HGT. OF 1.80. SINGLE BOLT CAM. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTD-2	204 214	278 288	.421 .443	107 117	112
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Э		<b>D</b>			<b>.</b>				
	Part Title 7.2 (440) OHV ENG - 1966-78 -	Part No.			Description				
	Camshafts Using Hydraulic Flat	<b>VO - 4.320 DOIE</b>							
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches	Degrees	Degrees		
			Int. Exh.	Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation		
	SINGLE BOLT CAM. CLASS II.	00004	214 224	288 298	.443 .452	107 117	112		
	NOT CALIFORNIA COMPLIANT.	23204	214 224	288 298	.443 .452	107 117	112		
	NOT COMPUTER COMPETIANT.								
	POWER RANGE 1700-5200.								
ł	SINGLE BOLT CAM. CLASS III.	23302	236 236	302 302	.480 .480	108 108	108		
	NOT CALIFORNIA COMPLIANT.	23302	200 200	002 002	.400 .400	100 100	100		
	NOT COMPUTER COMPATIBLE.								
	POWER RANGE 2500-6000.								
f	CLASS III. NOT CALIFORNIA	23321	242 242	329 329	.476 .476	106 106	106		
	COMPLIANT. NOT COMPUTER			010 010					
	COMPATIBLE. POWER RANGE								
	3000-6400.								
Ī	SINGLE BOLT CAM. CLASS IV.	23401	242 253	311 322	.521 .551	108 110	109		
	NOT CALIFORNIA COMPLIANT.								
	NOT COMPUTER COMPATIBLE.								
	POWER RANGE 3200-6700.								
[	Mechanical Flat Tappet Lifters	299374			•				
	Hydraulic Flat Tappet Lifters	299764	1968-1978						
	Valve Locks	471004	INT.						
		474004	EXH. OUTER- USE WITH STOCK CAMS- MACHINING MAY BE						
	Valve Spring with Mechanical	466154			OCK CAMS	- MACHININ	G MAY BE		
	Lifters		REQUIRE						
		466164			OCK CAMS-	MACHININ	G MAY BE		
			REQUIRED USE WITH [23302] & [23204] CAMS- NOTE: ASM. HEIGH						
	Valve Spring with Hydraulic	466224			MAY BE RE		IVI. HEIGHT		
ł	Lifters	466424							
		466434 USE WITH [MTD-2] CAM- NOTE: ASM. HEIGHT OF 1 (MACHINING MAY BE REQUIRED)					1 01 1.00		
f	Valve Spring Retainers	475094	CHROME MOLY- USE WITH [466154] & [466224] SPRING						
Ī		475144	CHROME MOLY - USE WITH [466134] & [466224] SPRING: CHROME MOLY - USE WITH [466434] SPRINGS						
ľ	Chrome Moly Push Rods	500334			SE W/HYD.				
	· · · · · · · · · · · · · · · · · · ·				MAX. SPRIN				
ľ		500354	1968-1978	440 ENG. U	SE W/MECH	I. LIFTERS-	EXC. 440		
			RAISED W	EDGE ENG	MAX. SPRIN	NG PRESSU	RE 350 LBS		
Ī		500474	1968-1978	USE WITH	MECHANICA	LIFTERS	- W/440		
				EDGE ENG	INE MAX. SF	PRING PRES	SSURE 350		
			LBS.						
		500544			SE W/HYD.				
				EDGE ENG	MAX. SPRIN	IG PRESSU	RE 350		
ļ			LBS.	<u></u>	01115555				
	3pc Set	40203			CLUDES RC				
					AM SPROCH		IPLE		
		40017							
		40217							
					L 3 BOLT C				
ł		40407			RANK SPRO		סוור		
		+0407			FIRON CAM				
					RANK SPR		i di		
ł	Oil Pump	M-63HP			SSURE OIL				

Line			
No.	Part Title	Part No.	Description
15	7.2 (440) OHV ENG - 1966-78 -	V8 - 4.320 Bore	
	Oil Pump	M-63HV	HI VOL PUMP (25% ADDL VOL OF OIL)
	Oil Pump Drive Shaft	12630	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
			STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT

#### **PERFORMANCE - FORD PRODUCTS & TRUCKS**

Line No.	Part Title	Part No.			Description		
1	255 ENG - 1980-82 - 8 Cyl 3.6		1				
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		
	3pc Set	48551T-9	RECOMME	ENDED FOR	STREET AN	IS STRIP, C	IRCLE
			TRACK, H	OT ROD, CL	AIMER ENG	INES INCLU	IDES
			SEAMLES	S DOUBLE I	ROLLER CHA	AIN (.250" R	OLLER),
			BILLET ST	EEL CAM S	PROCKET &	9 KEYWAY	CRANK
					-4¦ CAM ADJ	USTMENT.	PRESS FIT
			ROLLER T	HRUST BEA	ARINGS.		
2	260 ENG - 1962-65 - 8 Cyl 3.8	800 Bore		1			
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	HYD. EXCLUDES ROLLER	MTF-1	204 214	280 289	.449 .473	108 116	112
	LIFTERS. USE [VS-270] [466124]						
	[466134] [466444] VALVE						
	SPRINGS. CLASS I. NOT						
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1000-4500.						
	Camshafts Using Hydraulic Flat		Desiran	Deerroop	Inches	Desween	Desires
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	EXCLUDES ROLLER LIFTERS.	24108	190 202		0.412 0.437		110
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	CLASS II. NOT CALIFORNIA	24203	214 224	288 300	.473 .497	108 116	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1700-5200.				407 500		
	CLASS II. NOT CALIFORNIA	24210	224 234	300 306	.497 .520	107 117	112
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2200-5700. CLASS II. NOT CALIFORNIA	24212	218 218	297 297	.458 .457	106 120	113
	COMPLIANT. NOT COMPUTER	27212	210 210	231 231	.430 .437	100 120	110
	COMPATIBLE. POWER RANGE						
	1700-5200.						
	CLASS III. NOT CALIFORNIA	24301	231 231	288 288	.512 .512	106 114	110
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	2500-6000.						
	Continued on Next Page						
	Continued on Next Fage						

Line			RMANCE -						
No.	Part Title 260 ENG - 1962-65 - 8 Cyl 3.8	Part No.			Description				
	Camshafts Using Hydraulic Flat		_	_		_	_		
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	CLASS III. NOT CALIFORNIA	24305	227 234	298 302	.520 .520	107 117	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2200-5400.								
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees		
	Retro-fit Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	FOR USE WITH RETRO-FIT	24110	210 211	298 282	.444 .444	116 115	115		
	ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT CALIFORNIA								
	COMPATIBLE. POWER RANGE								
	1200-4600								
	FOR USE WITH RETRO-FIT	24214	219 219	285 285	.498 .498	110 110	110		
	ROLLER LIFTER [F1900RF16]								
	CLASS II. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5300								
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT CLASS I NOT COMPUTER COMPATIBLE. EXCLUDES						
	Torque Cam Lifter Kit	CL-MTF-1							
					CAM, 16-[JB- OR COIL BI	-			
					DHGT. OF 1	-	5-270j		
	Hydraulic Flat Tappet Lifters	299004	EXC. ROLLER USE FACTORY SETTING						
		299014	EXC. ROLLER. ANTI-PUMP UP; SET AT ZERO LASH;						
			MUST BE USED W/ ADJUSTABLE VALVE TRAIN						
	Hydraulic Roller Lifters	JB-2205	STOCK REPLACEMENT STYLE						
	Hydraulic Retro-fit Roller Lifters	F1900RF16			OR USE W/ F	RETRO-FIT I	ROLLER		
	· · · · ·	170001	CAMSHAF	TS [24110],	[24214]				
	Valve Locks Valve Spring with Mechanical	472004 466274			409] CAM. N				
	Lifters	400274		D 1.080 O.D.	-				
	Valve Spring with Hydraulic	VS-270			HAFT. INST	ALLED HGT	OF 1.78.		
	Lifters		-	-	IT TYPE VAI				
			MACHININ	IG MAY BE F	REQUIRED				
		466124	INNER - U	SE WITH [24	210], [24212	2], [24301], [2	24203],		
			[MTF-1] CA	AMS. NOTE:	ASM. HEIGI	HT OF 1.80.			
			PERFORM	IANCE STYL	E VALVE S	Pring. Mac	HINING		
			MAY BE R						
		466134		-	4210], [2421		24203],		
					ASM. HEIGI				
					E VALVE SI	-Ring. Mac	HINING		
		166111			0101 [04004	1 [0/0001 [			
		466444			212], [24301 ASM. HEIGI		/  [- ],		
					E VALVE SF		HINING		
			MAY BE R			TUNG. WAC			
	Valve Spring Retainers	475054			WITH [4661	34] SPRING	iS		
						] 0			

Line	Davit Titla	Dout No.	Description
No. 2	Part Title 260 ENG - 1962-65 - 8 Cyl 3.8	Part No.	Description
2			
	Valve Spring Retainers Chrome Moly Push Rods	475074 500404	CHROME MOLY - USE WITH [466114] SPRINGS HEAT TREATED MAX. SPRING PRESSURE 350 LBS
	Chrome Moly Push Rods	500404	MAX. SPRING PRESSURE 350 LBS.
	Guide Plates	MGP1084	FLAT-5/16" THICK- MUST BE USED WITH SCREW-IN
	Guide Flates	WGF 1004	ROCKER ARM STUDS
		MGP1094	FLAT-3/8" THICK- MUST BE USED WITH SCREW-IN
		Mai 1004	ROCKER ARM STUDS
	3pc Set	40206	INCLUDES ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40402	NOT FOR USE WITH ROLLER CAMS INCLUDES
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET.
			MUST USE MF126 (3.356") THRUST PLATE WITH THIS
			SET. DO NOT USE TWO PIECE FUEL PUMP ECCENTRIC
			WITH [40402] SET. IF ENGINE HAS TWO PIECE
			ECCENTRIC DISCARD & USE ONE PIECE ECCENTRIC
			FORD PT # C3AZ6287B.
	Oil Pump	M-68HV	HI VOL PUMP (25% ADDL VOL OF OIL) MAY REQUIRE
			OIL PAN MODIFICATION.
		10687	STANDARD VOLUME. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN.
		10688	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT.
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES I/
			S SHAFT. USES 5/8" BOLT ON SCREEN. MAY REQUIRE MINOR OIL PAN MODIFICATION.
	Oil Pump Drive Shaft	12680	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH
	On Pump Drive Shart	12000	STRENGTH (150,000 PSI) CHROME MOLY STEEL.
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO
			THE OIL PUMP DRIVE SHAFT
}	4.6-R,V,Y (281) DOHC ENG - 1	996-04 - V8 - 3.5	
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Oil Pump	10227	STANDARD VOLUME. PROTECTIVE ANODIZED BODY.
			MAG PHOSPHATE COATED COVER. 130,000 TSI
			TENSILE STRENGTH BILLET STEEL ROTORS. SCREW
			IN VALVE. USES 335S SCREEN
	Oil Pump Screen	335S	
	4.6-X (281) SOHC ENG - 1996-	04 - V8 - 3.550 B	ore
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Oil Pump	10176	STANDARD VOLUME. PROTECTIVE ANODIZED BODY.
			MAG PHOSPHATE COATED COVER. 130,000 TSI
			TENSILE STRENGTH BILLET STEEL ROTORS. SCREW
			IN VALVE. USES 13/16" DIAMETER SCREEN.
		10227	HIGH VOLUME 8%. PROTECTIVE ANODIZED BODY.
			MAG PHOSPHATE COATED COVER. 130,000 TSI
			TENSILE STRENGTH BILLET STEEL ROTORS. SCREW
	<u> </u>		IN VALVE. USES 335S SCREEN
	Oil Pump Screen	335S	-
5	4.6-H,8 (281) SOHC ENG - 200		
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT
	Continued on Next Page		

Line No.	Part Title	Part No.			Description		
5	4.6-H,8 (281) SOHC ENG - 200		Bore		200011011011		
	Oil Pump	10340	HI PRESS BODY. CA	ST ALUMINU	ECTIVE ANO JM COVER \ 6" BOLT ON \$	WITH PHOS	
6	289 ENG - 1963-68 - 8 Cyl 4.0	000 Bore					
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	HYD. EXCLUDES ROLLER LIFTERS. USE [VS-270] [466124] [466134] [466444] VALVE SPRINGS. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	MTF-1	Int. Exh. 204 214	Int. Exh. 280 289	Int. Exh. .449 .473	Int. Exh. 108 116	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	EXCLUDES ROLLER LIFTERS. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	24108	Int. Exh. 190 202	Int. Exh.	Int. Exh. 0.412 0.437	Int. Exh.	110
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24203	214 224	288 300	.473 .497	108 116	112
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	24210	224 234	300 306	.497 .520	107 117	112
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24212	218 218	297 297	.458 .457	106 120	113
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24301	231 231	288 288	.512 .512	106 114	110
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5400.	24305	227 234	298 302	.520 .520	107 117	112
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4600	24110	Int. Exh. 210 211	Int. Exh. 298 282	Int. Exh.	Int. Exh. 116 115	115
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
6	289 ENG - 1963-68 - 8 Cyl 4.0				Description		
U	Camshafts Using Hydraulic		5	_		_	_
	Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Oeparation
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS II. NOT CALIFORNIA	24214	219 219	285 285	.498 .498	110 110	110
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L			
	Torque Cam Lifter Kit	CL-MTF-1				TIBLE. EXC	LUDES
			CLASS I NOT COMPUTER COMPATIBLE. EXCLUDES ROLLER LIFTERS. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-1] CAM, 16-[JB-900] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-270] SPRING W/INSTALLED HGT. OF 1.78				ANT. KIT RS & 4OZ
	Hydraulic Flat Tappet Lifters	299004	EXC. ROL	LER USE FA	CTORY SET	TING	
		299014			PUMP UP; SE		
			MUST BE USED W/ ADJUSTABLE VALVE TRAIN			IN	
	Hydraulic Roller Lifters	JB-2205	STOCK REPLACEMENT STYLE				
	Hydraulic Retro-fit Roller Lifters	F1900RF16	RETRO-FIT LIFTER FOR USE W/ RETRO-FIT ROLLER CAMSHAFTS [24110], [24214]				ROLLER
	Valve Locks	472004					
	Valve Spring with Mechanical Lifters	466274	INNER - USE WITH [24409] CAM. PERFORMANCE TYPE VALVE SPRING. MACHINING MAY BE REQUIRED 1.080 O.D.				RED 1.080
	Valve Spring with Hydraulic Lifters	VS-270	STOCK RE	EPLACEMEN IG MAY BE I		VE SPRING	à.
		466124	[MTF-1] CA	AMS. NOTE: IANCE TYPE	4210], [24212 ASM. HEIGI E VALVE SPI	HT OF 1.80.	-
		466134	[MTF-1] CA	AMS. NOTE: IANCE TYPE	4210], [2421 ASM. HEIGI E VALVE SP	HT OF 1.80.	
		466444	USE WITH [24210], [24212], [24301], [24203], [MTF-1], [MTF-5] CAMS. NOTE: ASM. HEIGHT OF 1.80. PERFORMANCE TYPE VALVE SPRING. MACHINING MAY BE REQUIRED			-	
	Valve Spring Retainers	475054	CHROME	MOLY - USE	WITH [4661	34] SPRINC	S
		475074	CHROME	MOLY - USE	WITH [4661	14] SPRINC	S
	Chrome Moly Push Rods	500584	MAX. SPR	ING PRESS	URE 350 LB	S.	
	Guide Plates	MGP1084		" THICK- MU ARM STUDS	IST BE USEI	O WITH SCF	REW-IN
		MGP1094		THICK- MUS ARM STUDS	ST BE USED	WITH SCR	EW-IN
	Continued on Next Page						

Line No.	Part Title	Part No.			Description		
6	289 ENG - 1963-68 - 8 Cyl 4.0	00 Bore					
	Gear Drive Set	48420	LATE 1965	CAR APPL	ICATIONS U	SE 1/4" THF	UST
			PLATE. TF	RUCK APPLI	CATIONS: S	PACER CAS	ST INTO
			HUB. OLD	ER ENGINE	S DISCARD	SEPERATE	
			CAMSHAF	T SPACER.	INCLUDES a	8620 CARBL	JRIZED
			STEEL GE	ARS, ROLLI	ER CAM BU	FTON, LOCK	PLATE
			AND BOLT	S, TIMING A	ADJUSTED V	VITH 5 OPTI	ONAL
			COLOER (	CODED DOV	VEL PIN HO	LE INSERTS	5.
	3pc Set	48520T-9	LATE 1965	5 USE 1/4" T	HRUST PLA	TE INCLUDE	ES
			SEAMLES	S DOUBLE F	ROLLER CH	AIN (.250" R	OLLER),
			BILLET ST	EEL CAM S	PROCKET &	9 KEYWAY	CRANK
			SPROCKE	T WITH +4¦/	-4¦ CAM AD	USTMENT.	PRESS FIT
				HRUST BEA			
		48520W-9	LATE 1965 USE 1/4" THRUST PLATE INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLEF				
					PROCKET &		
				T WITH +4¦/	-4¦ CAM AD.	USTMENT.	BRONZE
		40000	WASHER				
		40206			HAIN, CAST		DOOKET
		40400	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKE INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST				
		40402			T & MULTIPI		
			SPROCKET. MUST USE MF126 (3.356") THRUST PLA WITH THIS SET. DO NOT USE TWO PIECE FUEL PUM				
			ECCENTRIC WITH [40402] SET. IF ENGINE HAS				
			PIECE ECCENTRIC WITH [40402] SET. IF ENGINE HAS				
			ECCENTRIC FORD PT # C3AZ6287B.				02
	Oil Pump	M-68HV					EQUIRE
	•						,
		10687	STANDAR	D VOLUME.	HEAVY DU	<b>FY SHAFT S</b>	UPPORT.
			PROTECT	IVE COATIN	G. SCREW	N VALVE. IN	NCLUDES I/
			S SHAFT.	USES 5/8" B	OLT ON SC	REEN.	
		10688	HI VOLUM	E 25%. HEA	VY DUTY SI	HAFT SUPP	ORT.
			PROTECT	IVE COATIN	G. SCREW	N VALVE. IN	ICLUDES I/
			S SHAFT.	USES 5/8" B	OLT ON SC	REEN. MAY	REQUIRE
				L PAN MODI			
	Oil Pump Drive Shaft	12680					
				•	PSI) CHROM		
			_	-		IICH LOCKS	ONTO
			THE OIL P	UMP DRIVE	SHAFT		
7	302 ENG - 1968-2001 - 8 Cyl	4.000 Bore	1				
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1968-1985 HYD. FOR 302 H/O	MTF-5	204 214	280 290	.449 .473	107 117	112
	ENGINE. USE LIFTER [466444].						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500. Continued on Next Page						
	Communed on Next Fage						

Line No.	Part Title	Part No.			Description		
7	302 ENG - 1968-2001 - 8 Cyl 4				2000011011011		
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1968-1985 EXCLUDES 302 H/O	24108	190 202	258 271	0.412 0.437	106 114	110
	ENGINE AND ROLLER LIFTERS.						
	CLASS I. NOT CALIFORNIA						
	COMPLIANT. NOT COMPUTER						
	COMPATIBLE. POWER RANGE						
	1000-4500.						
	1968-1985 WHEN INSTALLING IN	24203	214 224	288 300	.473 .497	108 116	112
	THE 302 H/O USE FIRING						
	ORDER (15426378). CLASS II.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.		010 010	007 007	450 457	100,100	110
	1968-1985 WHEN INSTALLING IN	24212	218 218	297 297	.458 .457	106 120	113
	THE 302 H/O USE FIRING						
	ORDER (15426378). CLASS II.						
	NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.						
	POWER RANGE 1700-5200.						
	1968-1985 WHEN INSTALLING IN	24301	231 231	288 288	.512 .512	106 114	110
	THE 302 H/O USE FIRING	24501	201 201	200 200	.512 .512	100 114	110
	ORDER (15426378). CLASS III.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2500-6000.						
	1968-1995 CLASS III. NOT	24305	227 234	298 302	.520 .520	107 117	112
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2200-5400.						
	Camshafts Using Hydraulic		Degrees	Degrees	Inches	Degrees	Degrees
	Roller Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	1985-1995 FOR H/O ENGINES	24227	222 232	300 309	.509 .532	107 117	112
	ORIGINALLY EQUIPPED WITH						
	ROLLER CAMS. USE FIRING						
	ORDER (13726548). CLASS II.						
	NOT CALIFORNIA COMPLIANT.						
	NOT COMPUTER COMPATIBLE.						
	POWER RANGE 2300-58000.	24290	220, 222	006 000	510 510	100 115	110
	1968-1994 FOR H/O ENGINES	24280	220 223	286 292	.512 .512	109 115	112
	ORIGINALLY EQUIPPED WITH ROLLER CAMS. CLASS II. NOT						
	CALIFORNIA COMPLIANT. NOT						
	COMPUTER COMPATIBLE.						
	POWER RANGE 2000-5000.						
	Continued on Next Page						

Line No.	Part Title	Part No.			Description			
7	302 ENG - 1968-2001 - 8 Cyl							
	Camshafts Using Hydraulic Retro-fit Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER BANGE	24110	210 211	298 282	.444 .444	116 115	115	
	1200-4600							
	FOR USE WITH RETRO-FIT ROLLER LIFTER [F1900RF16] CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5300	24214	219 219	285 285	.498 .498	110 110	110	
	1985-1995 FOR H/O ENGINES ORIGINALLY EQUIPPED WITH ROLLER CAMS. USE RETRO-FIT ROLLER LIFTER [F1900RF16]; USE FIRING ORDER 13726548. CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-5000	24226	212 222	289 300	.491 .509	107 117	112	
·	Mell Lube	M-10012	ENGINE A	SSEMBLY L				
	Torque Cam Lifter Kit	CL-MTF-5	302 H/O E NOT CALII CAM, 16-[J FOR COIL HGT. OF 1 SPRINGS	NGINE. EXC FORNIA COI JB-900] LIFT BIND. USE .82 W/[4750 W/STOCK F	:. ROLLER L MPLIANT. KI ERS & 40Z I [VS-280] SPI 5] RETAINEI ORD INTAKI	IFTERS. US T INCLUDE MELL LUBE RING W/INS RS, OR USE E RETAINEF	JSE INTAKE	
	Hydraulic Flat Tappet Lifters	299004	1968-1992	EXC. ROLL	ER USE FAC	CTORY SET	TING	
	••	299014		EXC. ROLL				
	Hydroulio Dollor Litters	JB-2205	,	ST BE USED		ABLE VAL	/E I KAIN	
	Hydraulic Roller Lifters Hydraulic Retro-fit Roller Lifters	58-2205 F1900RF16	RETRO-FI CAMSHAF	T LIFTER FC TS [24110], TO INSTAL	DR USE W/ F [24214], [242			
	Valve Locks	472004						
	Valve Spring with Mechanical Lifters	466274		SE WITH [24 D 1.080 O.D.	-	ACHINING	MAY BE	
	Valve Spring with Hydraulic Lifters	466124	[MTF-1] CA	SE WITH [24 AMS. NOTE: IG MAY BE F	ASM. HEIGH		24203],	
		466134	[MTF-1] CA	JSE WITH [2 AMS. NOTE: IG MAY BE F	ASM. HEIGH		24203],	
		466444	USE WITH [MTF-5] CA	I [24210], [24 AMS. NOTE: IG MAY BE F	212], [24301 ASM. HEIGI		/TF-1],	
	Continued on Next Page							

Part Title	Part No.	Description
302 ENG - 1968-2001 - 8 Cy		•
Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS
1 0	475074	CHROME MOLY - USE WITH [466114] SPRINGS
Chrome Moly Push Rods	500414	1969-1970 HEAT TREATED. 302 BOSS MAX. SPRING
		PRESSURE 350 LBS.
	500444	1971-1972 HEAT TREATED. 302 BOSS MAX. SPRING
		PRESSURE 350 LBS.
	500584	1968-1969 TO CHANGE L4 MAX. SPRING PRESSURE
		350 LBS.
Guide Plates	MGP1084	FLAT-5/16" THICK- MUST BE USED WITH SCREW-IN
		ROCKER ARM STUDS
	MGP1094	FLAT-3/8" THICK- MUST BE USED WITH SCREW-IN
		ROCKER ARM STUDS
Gear Drive Set	48420	1968-1995 RECOMMENDED FOR STREET AND STRI
		CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		89-94 W/ROLLER CHAIN, 94-95 W/SILENT CHAIN. 68-
		USE STAND. 1/4" THRUST PLATE. SPACER CAST IN
		SPROCKET HUB, OLDER ENGINES DISCARD
		SEPERATE CAM SPACER. CAR APPLICATIONS ONL INCLUDES 8620 CARBURIZED STEEL GEARS, ROLL
		CAM BUTTON, LOCK PLATE AND BOLTS, TIMING
		ADJUSTED WITH 5 OPTIONAL COLOER CODED DO
		PIN HOLE INSERTS.
	48420	1969-1972 RECOMMENDED FOR STREET AND STRI
	40420	CLAIMER AND RACING ENGINES UP TO 6,500 RPM.
		SPACER CAST INTO SPROCKET HUB, OLDER ENGI
		DISCARD SEPERATE CAMSHAFT SPACER, TRUCK
		APPLICATIONS ONLY. INCLUDES 8620 CARBURIZED
		STEEL GEARS, ROLLER CAM BUTTON, LOCK PLATE
		AND BOLTS, TIMING ADJUSTED WITH 5 OPTIONAL
		COLOER CODED DOWEL PIN HOLE INSERTS.
3pc Set	48520T-9	1968-1972 CAR AND TRUCK APPLICATIONS. CAR
		APPLICATIONS USE 1/4" THRUST PLATE. INCLUDES
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRAN
		SPROCKET WITH +4¦/-4¦ CAM ADJUSTMENT. PRESS
		ROLLER THRUST BEARINGS.
	48520W-9	1968-1972 CAR AND TRUCK APPLICATIONS. CAR
		APPLICATIONS USE 1/4" THRUST PLATE. INCLUDES
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANI
		SPROCKET WITH +4¦/-4¦ CAM ADJUSTMENT. BRONZ
		WASHER
	48551T-9	1972-2001 RECOMMENDED FOR STREET AND STRI
		CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. 1989
		WITH ROLLER TYPE CHAIN, 1994-01 WITH SILENT
		TYPE CHAIN. SPACER CAST INTO SPROCKET HUB
		OLDER ENGINES DISCARD SEPERATE CAMSHAFT
		SPACER. TRUCK APPLICATIONS ONLY. INCLUDES
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER)
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRAN
		SPROCKET WITH +4¦/-4¦ CAM ADJUSTMENT. PRESS
		ROLLER THRUST BEARINGS.
Continued on Next Page		

Line	PERFORMANCE - FORD PRODUCTS & TRUCKS (Continued)								
No.	Part Title	Part No.			Description				
7	302 ENG - 1968-2001 - 8 Cyl	4.000 Bore							
	3pc Set	48551T-9	1972-1995	RECOMME	NDED FOR	STREET AN	D STRIP,		
			CIRCLE TI	RACK, HOT	ROD, CLAIN	IER ENGINE	S. 1989-94		
			WITH ROL	LER TYPE (	CHAIN, 1994	-95 WITH SI	LENT		
			TYPE CHA	AIN. 80-88 H/	O CAR APP	LICATIONS	ONLY.		
			SPACER (	CAST INTO S	<b>SPROCKET</b>	HUB. OLDEI	R ENGINES		
			DISCARD	SEPERATE	CAMSHAFT	SPACER. I	NCLUDES		
			SEAMLES	S DOUBLE I	ROLLER CH	AIN (.250" R	OLLER),		
			BILLET ST	EEL CAM S	PROCKET &	9 KEYWAY	CRANK		
			SPROCKE	T WITH +4¦/	-4¦ CAM AD	JUSTMENT.	PRESS FIT		
			ROLLER T	HRUST BEA	RINGS.				
		40206	1968-1994 CAR AND TRUCK APPLICATIONS INCLUDES						
			ROLLER C	HAIN, CAST	IRON CAM	SPROCKET	&		
			MULTIPLE	KEYWAY C	RANK SPRO	DCKET			
		40402		T USE [MF1:	- • •				
				HAN [MF12	-	. ,			
			NOT FOR ROLLER CAMS INCLUDES SEAMLESS SOLI						
				HAIN, CAST					
				KEYWAY C					
				,			T. DO NOT		
			USE TWO PIECE FUEL PUMP ECCENTRIC WITH [40 SET. IF ENGINE HAS TWO PIECE ECCENTRIC DISC & USE ONE PIECE ECCENTRIC FORD PT # C3AZ62						
-									
	Oil Pump	M-68HV		IMP (25% AI		OIL) MAY F	REQUIRE		
-		10687							
		10687					I SUPPORT.		
				USES 5/8" E			NCLODES I/		
-		10688		E 25%. HEA			OBT		
							NCLUDES I/		
				USES 5/8" E					
-	Oil Pump Drive Shaft	12680		IANCE TYPE		DIATE SHAF	T. HIGH		
	•		STRENGT	H (150,000 F	PSI) CHROM	IE MOLY ST	EEL.		
			IMPROVE	D SHAFT RE	TAINER WH	ICH LOCKS	ONTO		
			THE OIL P	UMP DRIVE	SHAFT				
8	5.4-5,V (330) SOHC ENG - 2004	4-08 - 8 Cyl - 3.5	5 Bore						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT				
	Oil Pump	10340	HI PRESS	URE. PROTI	ECTIVE ANC	DIZED COA	TED		
				ST ALUMIN			TPHATE		
		COATING. USES 15/16" BOLT ON SCREEN.							
9	351W ENG - 1969-97 - 8 Cyl 4	4.000 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	1969-1991 CLASS I. NOT	MTF-5	204 214	280 290	.449 .473	107 117	112		
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
ļ	POWER RANGE 1000-4500.								
	Continued on Next Page								

Line No.	Part Title	Part No.			Description				
9	351W ENG - 1969-97 - 8 Cyl 4				Description				
	Camshafts Using Hydraulic Flat		Deswaaa	Destroop	Inches	Desman	Destrate		
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ocparation		
	USE 302 FIRING ORDER-	24108	190 202	258 271	0.412 0.437		110		
	15426378. CLASS I. NOT	24100	190 202	250 271	0.412 0.437	100 114	110		
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 1000-4500.	04044	224 234	300 306	.497 .520	107 117	112		
	CLASS II. NOT CALIFORNIA	24211	224 234	300 306	.497 .520	107 117	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2200-5400.	04005	010 010	110					
	CLASS II. NOT CALIFORNIA	24225	219 219	308 308	.467 .467	107 119	113		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.	0.4005	007.004	000 000	500 500		110		
	USE 302 FIRING ORDER	24305	227 234	298 302	.520 .520	107 117	112		
	15426378. CLASS III. NOT								
	CALIFORNIA COMPLIANT. NOT								
	COMPUTER COMPATIBLE.								
	POWER RANGE 2200-5400.								
	Hydraulic Flat Tappet Lifters	299004	USE FACTORY SETTING ANTI-PUMP UP; SET AT ZERO LASH; MUST BE USED V						
		299014					E USED W/		
	Underselle Delley Lifterer	ID 0005							
·	Hydraulic Roller Lifters	JB-2205							
	Hydraulic Retro-fit Roller Lifters	F1900RF16	CAMSHAF		OR USE W/ F		NULLER		
·	Valve Locks	476104	HARDENE						
·	Valve Spring with Hydraulic	466174			MTF-5] CAMS	S- MACHINI	NG MAY BE		
	Lifters		REQUIRE						
	Valve Spring Retainers	475054			WITH [4661]	741 SPRING	S		
	Chrome Moly Push Rods	500394			CAST IRON	-			
	· · · · · · · · · · · · · · · · · · ·				NG PRESSU				
		500664	1978-1994	USE W/ST	AMPED STEE	L ROCKER	ARMS-		
					. SPRING PR				
	Guide Plates	MGP1084	FLAT-5/16	" THICK- ML	JST BE USEI	O WITH SCF	REW-IN		
			ROCKER	ARM STUDS	6				
		MGP1094	FLAT-3/8"	THICK- MUS	ST BE USED	WITH SCR	EW-IN		
			ROCKER	ARM STUDS	6				
	Gear Drive Set	48420	1969-1989	RECOMME	NDED FOR	STREET AN	D STRIP,		
			CLAIMER,	RACING EN	NGINES UP T	O 6,500 RP	M. 1980-91		
			POLICE WITH ROLLER TYPE CHAIN. 1972 USE STANDARD 1/4" THRUST PLATE. SPACER CAST INTO						
			HUB, OLDER ENGINES DISCARD SEPERATE						
			CAMSHAFT SPACER. CAR APPLICATIONS ONLY.						
			INCLUDES 8620 CARBURIZED STEEL GEARS, ROLLER						
			CAM BUTTON, LOCK PLATE AND BOLTS, TIMING						
			ADJUSTE	D WITH 5 OI	PTIONAL CO	LOER COD	ED DOWEL		
			PIN HOLE	INSERTS.					
1	Continued on Next Page								

Line			RMANCE - FORD PRODUCTS & TRUCKS (Continued)
No.	Part Title	Part No.	Description
9	351W ENG - 1969-97 - 8 Cyl		
	3pc Set	48520T-9	1969-1972 EARLY 1972 USE STANDARD 1/4" THRUST PLATE. SPACER CAST INTO SPROCKET HUB, OLDER ENGINES DISCARD SEPERATE CAMSHAFT SPACER. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4!/ -4! CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48520W-9	1969-1972 EARLY 1972 USE STANDARD 1/4" THRUST PLATE. SPACER CAST INTO SPROCKET HUB, OLDER ENGINES DISCARD SEPERATE CAMSHAFT SPACER. RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. CAR APPLICATIONS ONLY INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4:/ -4: CAM ADJUSTMENT. BRONZE WASHER
		48551T-9	1972-1989 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. 5.8-G 87-89, HO 87-89 POLICE WITH ROLLER TYPE CHAIN. CAR APPLICATIONS ONLY. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4¦/-4¦ CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		48551T-9	1975-1997 RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD, CLAIMER ENGINES. (94-97 WITH SILENT TYPE CHAIN, 84-86 4BBL) TRUCK APPLICATIONS ONLY. INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4¦/ -4¦ CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		40206	1969-1996 INCLUDES ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET
		40402	1969-1996 YOU MUST USE [MF126] (3.356"L) THRUST PLATE RATHER THAN [MF125] OR STOCK (3.882"L) PLATE. NOT FOR ROLLER CAMS INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET. MUST USE MF126 (3.356") THRUST PLATE WITH THIS SET. DO NOT USE TWO PIECE FUEL PUMP ECCENTRIC WITH [40402] SET. IF ENGINE HAS TWO PIECE ECCENTRIC DISCARD & USE ONE PIECE ECCENTRIC FORD PT # C3AZ6287B.
	Oil Pump	M-83HV	HI VOLUME PUMP (25% ADDL VOLUME OF OIL) STOCK RELIEF VALVE AND SHAFT DESIGN - MAY REQUIRE MINOR OIL PAN MODIFICATION.
	Continued on Next Page		-

Line		Davit Na			Description				
No. 9	Part Title 351W ENG - 1969-97 - 8 Cyl 4	Part No.			Description				
9					HEAVY DU				
	Oil Pump	10832	PERFORM VALVE CU	IANCE VALV IP PLUG RE S I/S SHAFT.	/E AND SHA PLACED BY MAY REQU	FT DESIGN SCREW IN	. RELIEF PLUG.		
		10833	HI VOLUME 25%. HEAVY DUTY SHAFT SUPPORT. PERFORMANCE VALVE AND SHAFT DESIGN. RELIEF VALVE CUP PLUG REPLACED BY SCREW IN PLUG. INCLUDES I/S SHAFT. MAY REQUIRE MINOR OIL PAN MODIFICATION.						
	Oil Pump Drive Shaft	12830	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT						
10	351C ENG - 1970-74 - 8 Cyl 4	.000 Bore							
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND.	MTF-2	Int. Exh. 204 214	Int. Exh. 282 292	Int. Exh. .485 .511	Int. Exh. 106 118	112		
	USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.								
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	CLASS IV. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3500-6700.	24401	Int. Exh. 244 254	Int. Exh. 292 301	Int. Exh. .569 .589	Int. Exh. 104 108	106		
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1300-4800.	24111	Int. Exh. 208 208	Int. Exh. 284 284	Int. Exh. .485 .485	Int. Exh. 107 115	111		
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24204	214 224	292 302	.511 .537	106 118	112		
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1900-5400.	24224	219 219	310 310	.505 .505	108 120	114		
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	24303	224 234	302 308	.538 .562	107 117	112		
	Continued on Next Page								

	PERFORMANCE - FORD PRODUCTS & TRUCKS (Continued)							
Line No.	Part Title	Part No.			Description			
10	351C ENG - 1970-74 - 8 Cyl 4	.000 Bore						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Torque Cam Lifter Kit	CL-MTF-2	IMPROVES CALIFORN CAM, 16-[.	YD. NOT CC S LOW-MID IIA COMPLI/ IB-900] LIFT BIND. USE 82	PERF. USE ANT. KIT INC ERS & 4OZ	[VS-280]. NO CLUDES 1-[N MELL LUBE	DT //TF-2] . CHECK	
	Hydraulic Flat Tappet Lifters	299004		ORY SETTI	NG			
		299014	ANTI-PUM		T ZERO LA	SH; MUST B	E USED W/	
	Hydraulic Retro-fit Roller Lifters	F1900RF16		T LIFTER FO		RETRO-FIT I	ROLLER	
	Valve Locks	476104	HARDENE	D				
	Valve Spring with Mechanical Lifters	466154	REQUIRE		-			
		466164	REQUIRE		-			
	Valve Spring with Hydraulic Lifters	VS-280	USE W/ [MTF-2] CAMSHAFT; INSTALLED HGT. OF 1.82 (MACHINING MAY BE REQUIRED)					
		466224	USE WITH [24204], [MTF-2], [24224] CAMS. MACHINING MAY BE REQUIRED					
	Valve Spring Retainers	475114	CHROME MOLY - USE WITH [466224] SPRINGS					
	Chrome Moly Push Rods	500424	HEAT TREATED EXC. BOSS MAX. SPRING PRESSURE 350 LBS.					
		500434	HEAT TREATED - BOSS MAX. SPRING PRESSURE 350 LBS.					
	Guide Plates	MGP1104	ROCKER	8" THICK- N ARM STUDS				
		MGP1114	ROCKER	16" THICK- ARM STUDS				
	3pc Set	40405	SEAMLES	USE WITH F S SOLID RO T & MULTIP	LLER CHAI	N, CAST IRC	ON CAM	
	Oil Pump	M-84AHV	HI VOL PU	MP (25% AI	DDL VOL OF	OIL)		
	Oil Pump Drive Shaft	12844	STRENGT	IANCE TYPE H (150,000 F O SHAFT RE UMP DRIVE	PSI) CHROM	E MOLY ST	EEL.	
11	351M ENG - 1975-81 - 8 Cyl 4	.000 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
	HYD. IMPROVES LOW-MID PERF. CHECK FOR COIL BIND. USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTF-2	Int. Exh. 204 214	Int. Exh. 282 292	Int. Exh. .485 .511	Int. Exh. 106 118	112	
	Continued on Next Page							

Part Title	Part No.			Description			
351M ENG - 1975-81 - 8 Cyl	4.000 Bore			•			
Camshafts Using Mechanical	1	5	5			<b>D</b>	
Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulatio	
CLASS IV. NOT CALIFORNIA	24401	244 254	292 301	.569 .589	104 108	106	
COMPLIANT. NOT COMPUTER	24401	277 207	232 301	.505 .505	104 100	100	
COMPATIBLE. POWER RANGE							
3500-6700.							
Camshafts Using Hydraulic Flat		Destroop	Deerroop	lin oh oo	Desires	Desmaas	
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatio	
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Ocparatic	
CLASS I. NOT CALIFORNIA	24111	208 208	284 284	.485 .485	107 115	111	
COMPLIANT. NOT COMPUTER	24111	200 200	204 204	.403 .403	107 113		
COMPATIBLE. POWER RANGE							
1300-4800.							
CLASS II. NOT CALIFORNIA	24204	214 224	292 302	.511 .537	106 118	112	
COMPLIANT. NOT COMPUTER	21201		202 002	.011 .007	100 110	112	
COMPATIBLE. POWER RANGE							
1700-5200.							
CLASS II. NOT CALIFORNIA	24224	219 219	310 310	.505 .505	108 120	114	
COMPLIANT. NOT COMPUTER							
COMPATIBLE. POWER RANGE							
1900-5400.							
CLASS III. NOT CALIFORNIA	24303	224 234	302 308	.538 .562	107 117	112	
COMPLIANT. NOT COMPUTER		221 201	002 000				
COMPATIBLE. POWER RANGE							
2200-5700.							
Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
Torque Cam Lifter Kit	CL-MTF-2	CLASS I NOT COMPUTER COMPATIBLE. IMPROVE					
-		LOW-MID	PERF. USE	[VS-280]. NC	OT CALIFOF	RNIA	
				UDES 1-[M]			
				LUBE. CHE			
		USE [VS-2	80] SPRING	W/INSTALL	ED HGT. OF	- 1.82	
Hydraulic Flat Tappet Lifters	299004	USE FACT	ORY SETTI	NG			
	299014	ANTI-PUM	P UP; SET A	T ZERO LA	SH; MUST E	BE USED N	
		ADJUSTA	BLE VALVE	TRAIN			
Hydraulic Retro-fit Roller Lifters	F1900RF16	RETRO-FI	T LIFTER FO	DR USE W/ F	RETRO-FIT	ROLLER	
		CAMSHAF	т				
Valve Locks	476104	HARDENE	D				
Valve Spring with Mechanical	466154	OUTER - L	JSE WITH [2	4401] CAM.	MACHINING	G MAY BE	
Lifters		REQUIREI	C				
	466164	INNER - U	SE WITH [24	401] CAM. N	<b>ACHINING</b>	MAY BE	
		REQUIREI					
Valve Spring with Hydraulic	VS-280	(MACHINING MAY BE REQUIRED)					
Lifters							
	466224	USE WITH	l [24204], [M	TF-2], [24224	] CAMS. M	ACHINING	
		MAY BE R	EQUIRED				
Valve Spring Retainers	475054	1978-1978	EXHAUST	ONLY. CHRO	OME MOLY.	USE WITI	
-		[466154], [	466164] SPF	RINGS			
	475054			D EXHAUST	. CHROME	MOLY. US	
				4] SPRINGS			
	475064			LY. CHROM		SE WITH	
			466164] SPF				

Line								
No.	Part Title	Part No.			Description			
11	351M ENG - 1975-81 - 8 Cyl 4							
	Valve Spring Retainers	475064		INTAKE AN 154], [46616			MOLY. USE	
	Guide Plates	MGP1104		<sup>/8"</sup> THICK- M ARM STUDS		ED WITH SC	REW-IN	
		MGP1114		16" THICK-		SED WITH S	CREW-IN	
				ARM STUDS				
	3pc Set	40405		USE WITH F				
			SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
	Oil Pump	M-84AHV	HI VOL PUMP (25% ADDL VOL OF OIL) PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH					
	Oil Pump Drive Shaft	12844						
			STRENGT	H (150,000 F	PSI) CHROM	E MOLY ST	EEL.	
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO	
			THE OIL P	UMP DRIVE	SHAFT			
12	352 ENG - 1958-67 - 8 Cyl 4.0	00 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1963-1967 HYD. IMPROVES LOW-MID. PERF. CHECK FOR	MTF-4	204 214	282 292	.485 .511	104 120	112	
	COIL BIND. CLASS I. NOT							
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1200-4700.							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1963-1967 CLASS II. NOT	24205	214 224	292 302	.511 .537	104 120	112	
	CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE.							
	POWER RANGE 1700-5200.							
	1963-1967 CLASS II. NOT	24218	224 224	315 315	.506 .506	109 115	112	
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 2200-5700.							
	1963-1967 CLASS III. NOT	24302	230 230	304 304	.554 .554	107 111	109	
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 2500-6000. Mell Lube	M-10012		SSEMBLY L				
	Torque Cam Lifter Kit	CL-MTF-4		CLASSIHY				
				BLE. IMPRO			от	
						-	-	
			CAM, 16-[JB-2083] LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED					
			HGT. OF 1	.82				
	Mechanical Flat Tappet Lifters	298724						
	Hydraulic Flat Tappet Lifters	290834		<b>B</b> = = = = =				
	Valve Locks	473004		D 2 GROOV		104140		
	Valve Spring with Hydraulic Lifters	466224		[24205], [24	302], [MTF-4	I CAMS. MA	ACHINING	
	Valve Spring Retainers	475084	MAY BE R	EQUIRED MOLY - USE		541 [466224		
	Continued on Next Page	-110004				ידן, נייטעבע		
	Communda on Mexici age							

Line No.	Part Title	Part No.			Description			
12	352 ENG - 1958-67 - 8 Cyl 4.0	00 Bore	1					
	Chrome Moly Push Rods	500064		WITH MECH	IANICAL LIF	TERS MAX.	SPRING	
		500074	WITH DEE MECHANI	P SHELL TY	′PE - FOR U S MAX. SPR	-	URE 350	
			LBS.					
	3pc Set	40204			CATIONS OI			
				,	RANK SPRO		Iα	
		40204			PLICATIONS			
		40204			IRON CAM			
					RANK SPRC		i d	
		40410			CATIONS OI		DES	
					LLER CHAIN			
					LE KEYWAY			
		40410			LICATIONS			
			SEAMLES	S SOLID RC	LLER CHAIN	N, CAST IRC	ON CAM	
			SPROCKE	T & MULTIP	LE KEYWAY	CRANK SF	PROCKET	
	Oil Pump	M-57HV	HI VOL PL	JMP (25% AI	DDL VOL OF	OIL)		
	Oil Pump Drive Shaft	12600	PERFORM	IANCE TYPE	E INTERMED	DIATE SHAF	T. HIGH	
			STRENGT	H (150,000 F	PSI) CHROM	E MOLY ST	EEL.	
			IMPROVE	IICH LOCKS	S ONTO			
			THE OIL PUMP DRIVE SHAFT					
13	360 ENG - 1968-76 - 8 Cyl 4.0	)50 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	MTF-4	204 214	282 292	.485 .511	104 120	112	
	1200-4700. Camshafts Using Hydraulic Flat		Degrees	Degrade	Inches	Dograaa	Degrage	
	Tappet Lifters		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	24205	214 224	292 302	.511 .537	104 120	112	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5700.	24218	224 224	315 315	.506 .506	109 115	112	
	CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2500-6000.	24302	230 230	304 304	.554 .554	107 111	109	
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT	1	I	
	Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-2083] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82					
	Mechanical Flat Tappet Lifters	298724	-	-				
	Continued on Next Page							

Line							continueu)		
No.	Part Title	Part No.			Description				
13	360 ENG - 1968-76 - 8 Cyl 4.0		1						
	Hydraulic Flat Tappet Lifters	290834		D 2 GROOV					
	Valve Locks	473004							
	Valve Spring with Hydraulic Lifters	466224	MAY BE R	EQUIRED	302], [MTF-4	-			
	Valve Spring Retainers	475084			WITH [4662	-			
	Chrome Moly Push Rods	500064		WITH MECH E 350 LBS.	IANICAL LIF	TERS MAX.	SPRING		
		500074	WITH DEE	P SHELL TY	PE - FOR U	SE WITH			
			MECHANI LBS.	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350		
	3pc Set	40204	-	BOLLER C	HAIN, CAST	IBON CAM			
		10201			LE KEYWAY		PROCKET		
		40410			S SOLID ROI				
				E KEYWAY					
			SPROCKE				-		
	Oil Pump	M-57HV	HI VOL PUMP (25% ADDL VOL OF OIL)						
	Oil Pump Drive Shaft	12600				,	T. HIGH		
	•		STRENGT	H (150,000 F	PSI) CHROM	E MOLY ST	EEL.		
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO		
			THE OIL PUMP DRIVE SHAFT						
14	390 ENG - 1961-76 - 8 Cyl 4.0	50 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
	-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112		
	PERF. CHECK FOR COIL BIND.								
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2200-5700.								
	CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2500-6000.	M 10010							
	Mell Lube Torque Cam Lifter Kit	M-10012							
	Torque Gam Linter NI	CL-MTF-4			OMPUTER C PERF. C NO				
					UDES 1-[MT				
					-	-			
			LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BI						
	Mechanical Flat Tappet Lifters	298724	USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
	Hydraulic Flat Tappet Lifters	290834							
	Continued on Next Page								

Line No.	Part Title	Part No.			Description				
14	390 ENG - 1961-76 - 8 Cyl 4.0				Description				
	Valve Locks	473004	HARDENE	D 2 GROOV	ES				
	Valve Spring with Hydraulic	466224			302], [MTF-4	I] CAMS. MA	CHINING		
	Lifters		MAY BE R						
	Valve Spring Retainers	475084	CHROME	MOLY - USE	WITH [4662	24] SPRING	iS		
	Chrome Moly Push Rods	500064			ANICAL LIF				
	-		PRESSUR	E 350 LBS.					
		500074	WITH DEE	P SHELL TY	PE - FOR U	SE WITH			
			MECHANI	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350		
			LBS.						
	3pc Set	40204	INCLUDES ROLLER CHAIN, CAST IRON CAM						
			SPROCKET & MULTIPLE KEYWAY CRANK SPROC						
		40410	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST						
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK						
·	Oil Dump	M-57HV							
	Oil Pump Oil Pump Drive Shaft	12600	HI VOL PUMP (25% ADDL VOL OF OIL) PERFORMANCE TYPE INTERMEDIATE SHAFT, HIG						
	On Fullip Drive Shart	12000	STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO						
			THE OIL PUMP DRIVE SHAFT						
15	400 ENG - 1971-82 - 8 Cyl 4.0	000 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
	·		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID	MTF-2	204 214	282 292	.485 .511	106 118	112		
	PERF. CHECK FOR COIL BIND.								
	USE [VS-280] SPRING W/								
	INSTALLED HGT. OF 1.82.								
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degrees		
	Flat Tappet Litters		.050" dur Int. Exh.	ADV. Dur Int. Exh.	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation		
	CLASS IV. NOT CALIFORNIA	24401	244 254	292 301	.569 .589	104 108	106		
	COMPLIANT. NOT COMPUTER	24401	244 204	292 301	.309 .309	104 106	100		
	COMPATIBLE. POWER RANGE								
	3500-6700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	CLASS I. NOT CALIFORNIA	24111	208 208	284 284	.485 .485	107 115	111		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1300-4800.								
	CLASS II. NOT CALIFORNIA	24204	214 224	292 302	.511 .537	106 118	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	Continued on Next Page								

Line No.	Part Title	Part No.	Description							
15	400 ENG - 1971-82 - 8 Cyl 4.0				2000011011					
10	Camshafts Using Hydraulic Flat		_	_		_				
	Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation			
	CLASS II. NOT CALIFORNIA	24224	219 219	310 310	.505 .505	108 120	114			
	COMPLIANT. NOT COMPUTER	24224	219 219	510 510	.505 .505	100 120	114			
	COMPATIBLE. POWER RANGE									
	1900-5400.									
	CLASS III. NOT CALIFORNIA	24303	224 234	302 308	.538 .562	107 117	112			
	COMPLIANT. NOT COMPUTER		_			-				
	COMPATIBLE. POWER RANGE									
	2200-5700.									
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT							
	Torque Cam Lifter Kit	CL-MTF-2	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE				
			IMPROVES LOW-MID PERF. USE [VS-280]. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF							
				JB-900] LIFT						
				BIND. USE	[VS-280] SP	RING W/INS	TALLED			
			HGT. OF 1							
	Hydraulic Flat Tappet Lifters	299004		ORY SETTI						
		299014	SH; MUST B	E USED W/						
				BLE VALVE						
	Hydraulic Retro-fit Roller Lifters	F1900RF16		T LIFTER FO	DR USE W/ F	RETRO-FIT I	ROLLER			
		(=000)	CAMSHAF							
	Valve Locks	472004	1978-1979							
	Valve Spring with Mechanical	476704 466154	1978-1979 OUTED 1		44011 CAM		HINING MAY BE			
	Lifters	400154	REQUIRE	-	4401] CAW.	MACHINING				
	Litters	466164					CHINING MAY BE			
		400104	INNER - USE WITH [24401] CAM. MACHINING MAY REQUIRED							
	Valve Spring with Hydraulic	VS-280		J ITF-2] CAMS	HAFT INST	ALLED HGT	OF 1.82			
	Lifters	10 200		NG MAY BE			. 01 1102			
		466224		[24204], [M	,		CHINING			
			MAY BE R		], [					
	Valve Spring Retainers	475054	1978-1978	EXHAUST (	ONLY. CHRO	OME MOLY.	USE WITH			
			[466154], [	466164] SPF	RINGS					
		475054	1979-1979	INTAKE AN	D EXHAUST	. CHROME	MOLY. USE			
				154], [46616						
		475064	1978-1978	INTAKE ON	LY. CHROM	E MOLY. US	SE WITH			
				466164] SPF						
475064 1975-1977 INTAKE AND EXHAUST							MOLY. USE			
				154], [46616						
	3pc Set	40405		USE WITH F						
				S SOLID RO						
		MOANNY		T & MULTIP			HOCKEI			
	Oil Pump	M-84AHV		IMP (25% AE		,				
	Oil Pump Drive Shaft	12844								
				•	•	IE MOLY STEEL. HICH LOCKS ONTO				
				UMP DRIVE			UNIO			
				UNIP DRIVE	SHAFT					

Line No.	Part Title	Part No.			Description				
16	406 ENG - 1962-63 - 8 Cyl 4.1				Description				
	Torque Camshaft	00 20.0	P	<b>D</b>		<b>D</b>			
	l'orque cumonart		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112		
	PERF. CHECK FOR COIL BIND.	WIII -4	204 214	202 202	.400 .011	104 120	112		
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrado	Degrees	Inches	Dograco	Degrees		
	Tappet Lifters		Degrees .050" dur	ADV. Dur	Valve lift	Degrees Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2200-5700.								
	CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2500-6000.								
	Mell Lube	M-10012		SSEMBLY L					
	Torque Cam Lifter Kit	CL-MTF-4		YD. NOT CO					
				S LOW-MID					
				NT. KIT INCL	-	-			
				40Z MELL					
	Machanical Flat Tannat Liftara	000704	USE [VS-2	80] SPRING	W/INSTALL	ED HGT. OF	• 1.82		
	Mechanical Flat Tappet Lifters Hydraulic Flat Tappet Lifters	298724 290834							
	Valve Locks	473004		D 2 GROOV	FS				
	Valve Spring with Hydraulic	466224		l [24205], [24		1CAMS M			
	Lifters		MAY BE R			.,			
	Valve Spring Retainers	475084		MOLY - USE	WITH [4662	24] SPRING	iS		
	Chrome Moly Push Rods	500064		WITH MECH		-			
	-			E 350 LBS.					
		500074	WITH DEE	P SHELL TY	PE - FOR U	SE WITH			
			MECHANI	CAL LIFTER	S MAX. SPR	ING PRESS	URE 350		
			LBS.						
	3pc Set	40204		INCLUDES					
				T & MULTIP					
		40410		INCLUDES					
				AST IRON C		ET & MULT	IPLE		
			KEYWAY CRANK SPROCKET						
	Oil Pump	M-57HP					TINOU		
	Oil Pump Drive Shaft	12600		IANCE TYPE					
				H (150,000 F	,				
						IICH LOCKS			
			THE OIL PUMP DRIVE SHAFT						

Line No.	Part Title	Part No.	Description						
17	427 ENG - 1963-68 - 8 Cyl 4.2		2000 pilon						
	Torque Camshaft		Demo	Demo	lu ala a a	Designed	Designed		
	l'orque camonare		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Copulation		
	HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112		
	PERF. CHECK FOR COIL BIND.		201 211	202 202		101 120			
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2200-5700.								
	CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2500-6000.								
	Mell Lube	M-10012							
	Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-2083						
					-	-			
			LIFTERS & 4OZ MELL LUBE. CHECK FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
	Mechanical Flat Tappet Lifters	298724							
	Hydraulic Flat Tappet Lifters	290834							
	Valve Locks	473004	HARDENED 2 GROOVES						
	Valve Spring with Hydraulic	466224	USE WITH [24205], [24302], [MTF-4] CAMS. MACHINING						
	Lifters		MAY BE REQUIRED						
	Valve Spring Retainers	475084	CHROME MOLY - USE WITH [466224] SPRINGS						
	Chrome Moly Push Rods	500064	FOR USE WITH MECHANICAL LIFTERS MAX.SPRING						
			PRESSURE 350 LBS.						
		500074	WITH DEEP SHELL TYPE - FOR USE WITH						
			MECHANICAL LIFTERS MAX. SPRING PRESSURE 350						
	One Cat	40004	LBS.						
	3pc Set	40204	INCLUDES ROLLER CHAIN, CAST IRON CAM						
		40410	SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET						
		40410	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET						
	Oil Pump	M-57HP		URE OIL PU	MP				
	Oil Pump Drive Shaft	12600				IATE SHAF	T HIGH		
		12000	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
			IMPROVED SHAFT RETAINER WHICH LOCKS ONTO						
			THE OIL PUMP DRIVE SHAFT						

Part Title	Part No.	Description						
428 ENG - 1966-70 - 8 Cyl 4.								
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
-		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separatio		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
HYD. IMPROVES LOW-MID.	MTF-4	204 214	282 292	.485 .511	104 120	112		
PERF. CHECK FOR COIL BIND.		_						
CLASS I. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1200-4700.								
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degree		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separati		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
CLASS II. NOT CALIFORNIA	24205	214 224	292 302	.511 .537	104 120	112		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1700-5200.								
CLASS II. NOT CALIFORNIA	24218	224 224	315 315	.506 .506	109 115	112		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
2200-5700.								
CLASS III. NOT CALIFORNIA	24302	230 230	304 304	.554 .554	107 111	109		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
2500-6000.								
Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT						
Torque Cam Lifter Kit	CL-MTF-4	CLASS I HYD. NOT COMPUTER COMPATIBLE.						
			IMPROVES LOW-MID PERF. NOT CALIFORNIA					
			COMPLIANT. KIT INCLUDES 1-[MTF-4] CAM, 16-[JB-2					
		LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
Mechanical Flat Tappet Lifters	298724	USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82						
Hydraulic Flat Tappet Lifters	290834							
Valve Locks	473004			/FS				
Valve Spring with Hydraulic	466224	HARDENED 2 GROOVES USE WITH [24205], [24302], [MTF-4] CAMS. MACHININ						
Lifters	400224	MAY BE REQUIRED						
Valve Spring Retainers	475084			WITH [4662	24] SPRING	as		
Chrome Moly Push Rods	500064	CHROME MOLY - USE WITH [466224] SPRINGS FOR USE WITH MECHANICAL LIFTERS MAX.SPRING						
			E 350 LBS.					
	500074	WITH DEEP SHELL TYPE - FOR USE WITH						
				S MAX. SPR		SURE 350		
		LBS.						
3pc Set	40204	INCLUDES ROLLER CHAIN, CAST IRON CAM						
			SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
	40410	INCLUDES	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST					
		IRON CAM	IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK					
		SPROCKET						
Oil Pump	M-57B	1968-1970	1968-1970 COBRA JET AND SUPER COBRA JET					
	M-57HV	EXCLUDES COBRA JET AND SUPER COBRA JET HI						
		VOL PUM	VOL PUMP (25% ADDL VOL OF OIL)					
Oil Pump Drive Shaft	12600	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH						
		STRENGTH (150,000 PSI) CHROME MOLY STEEL.						
				TAINER WH	HICH LOCKS	S ONTO		
			UMP DRIVE					

Line No.	Part Title	Part No.			Description			
19	429 ENG- 1968-73 - 8 Cyl 4.3	60 Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTF-3	204 214	282 292	.485 .512	107 117	112	
	PERF. CHECK FOR COIL BIND.							
	USE [VS-280] SPRING W/							
	INSTALLED HGT. OF 1.82.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Degrees	Degrees	
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
		24206	214 224	292 302	.511 .544	107 117	112	
	CLASS IV. NOT CALIFORNIA	24406	244 254	294 304	.588 .614	107 117	112	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
·	1700-5200.	M-10012	ENGINE ASSEMBLY LUBRICANT					
	Mell Lube Torque Cam Lifter Kit	CL-MTF-3						
		02-1011-5	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE [VS-280]. NOT					
			CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-3]					
			CAM, 16-[JB-900] LIFTERS & 40Z MELL LUBE. CHECK					
			FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82					
	Hydraulic Flat Tappet Lifters	JB-900	FOR USE WITH [MTF-3] CAMSHAFT NOT FOR USE W/ [MTF-3] CAMSHAFT USE FACTORY					
		299004	SETTING	USE W/ [MT	F-3] CAMSH	AFT USE F	ACTORY	
		299014		LISE W/ IMT	F-3] CAMSH			
		200014		-	MUST BE US			
			VALVE TR					
	Valve Spring with Hydraulic	VS-280	USE W/ [N	ITF-3] CAMS	HAFT; INST	ALLED HGT	. OF 1.82	
	Lifters				REQUIRED)			
	Guide Plates	MGP1124			IUST BE USI	ED WITH SC	CREW-IN	
		MGP1134		ARM STUDS	MUST BE US	אודע פ		
				ARM STUDS				
	Gear Drive Set	48430			NDED FOR	STREET AN	D STRIP,	
			CLAIMER,	RACING EN	IGINES UP 1	TO 6,500 RP	M.	
					CER CAST IN			
			-		CARD SEPE	-	-	
					620 CARBUI N, LOCK PLA		,	
					NAL 5 COLO			
			HOLE INS					
	3pc Set	48530T-9			NDED FOR	STREET AN	D STRIP,	
					ROD AND C			
					S DOUBLE F			
					EL CAM SPI			
					'ITH +4¦/-4¦ C HRUST BEA		IMENI.	
	Continued on Next Page		LUC29 LI	I NULLEK I	IINUSI BEA	-50MIN		

Line		Davit Na	,		Description					
No.	Part Title	Part No.			Description					
19	429 ENG- 1968-73 - 8 Cyl 4.3		INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST							
	3pc Set	40403	IRON CAN	I SPROCKE	5 SOLID ROI T & MULTIPL					
	01.0	N 045	SPROCKE							
	Oil Pump	M-84B			SSURE PUN	,				
		M-84B		•	SSURE PUN	IP) POLICE,	COBRA			
		M-84BHV-S		JET, SUPER COBRA JET EXCLUDING POLICE, COBRA JET, SUPER COBRA JET						
		W-04DHV-3			"H OF 8 1/4".					
			MINOR MO	DIFICATIO	N OF OIL PA	N. HI VOL P	UMP-25%			
			ADDL VOL	. OF OIL TH	AN STOCK F	UMP. INCLU	JDES			
				PICKUP ASS						
		M-84EHV-S			OBRA JET, S					
		- MAY REQU								
					N OF OIL PA	-				
				. OF OIL TH/ PICKUP ASS	AN STOCK F SY.	UMP. INCL	JDES			
	Oil Pump Drive Shaft	12840				IATE SHAF	T. HIGH			
	•		STRENGT	H (150,000 F	PSI) CHROM	E MOLY ST	EEL.			
			IMPROVE	D SHAFT RE	TAINER WH	IICH LOCKS	ONTO			
			THE OIL P	UMP DRIVE	SHAFT					
20	429 ENG - 1980-98 - 8 Cyl 4.360 Bore									
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT					
	Oil Pump	M-84DHV			DL VOL OF	OIL THAN S	ТОСК			
	•		PUMP							
	Oil Pump Screen	84-DS2								
	Oil Pump Drive Shaft	IS-84								
		12840	-	-		EDIATE SHAFT. HIGH				
				•	PSI) CHROM					
					TAINER WH	IICH LOCKS	ONTO			
			THE OIL P	UMP DRIVE	SHAFT					
21	460 ENG - 1972-97 - 8 Cyl 4.3	60 Bore								
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-280] SPRING W/ INSTALLED HGT. OF 1.82.	MTF-3	204 214	282 292	.485 .512	107 117	112			
	CLASS I. NOT CALIFORNIA									
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE									
	1200-4700.									
	Camshafts Using Mechanical					_				
	Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	ocparation			
		24206	214 224	292 302	.511 .544	107 117	112			
	CLASS IV. NOT CALIFORNIA	24406	244 254	294 304	.588 .614	107 117	112			
	COMPLIANT. NOT COMPUTER									
	COMPATIBLE. POWER RANGE									
	1700-5200.									
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		1			
	Continued on Next Page									

Line			
No.	Part Title	Part No.	Description
21	460 ENG - 1972-97 - 8 Cyl 4.3		
	Torque Cam Lifter Kit	CL-MTF-3	CLASS I HYD. NOT COMPUTER COMPATIBLE.
			IMPROVES LOW-MID PERF. USE [VS-280]. NOT
			CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF-3]
			CAM, 16-[JB-900] LIFTERS & 4OZ MELL LUBE. CHECK
			FOR COIL BIND. USE [VS-280] SPRING W/INSTALLED HGT. OF 1.82
	Hydraulic Flat Tappet Lifters	JB-900	FOR USE WITH [MTF-3] CAMSHAFT
	Hydraulic Flat Tappet Litters	299004	NOT FOR USE W/ [MTF-3] CAMSHAFT NOT FOR USE W/ [MTF-3] CAMSHAFT USE FACTORY
		255004	SETTING
		299014	NOT FUR USE W/ [MTF-3] CAMSHAFT ANTI-PUMP UP;
			SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE
			VALVE TRAIN
	Valve Spring with Hydraulic	VS-280	USE W/ [MTF-3] CAMSHAFT; INSTALLED HGT. OF 1.82
	Lifters		(MACHINING MAY BE REQUIRED)
	Guide Plates	MGP1124	RAISED-3/8" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS
		MGP1134	RAISED-5/16" THICK- MUST BE USED WITH SCREW-IN
			ROCKER ARM STUDS
	3pc Set	48530T-9	1972-1978 RECOMMENDED FOR STREET AND STRIP,
			CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES
			INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250"
			ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY
			CRANK SPROCKET WITH +4¦/-4¦ CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.
		40403	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST
		40403	IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK
			SPROCKET
	Oil Pump	M-84B	1972-1978 CAR APPLICATIONS. HIGH PRESSURE
	P		PUMP. POLICE CAR
		M-84BHV-S	1974-1997 TRUCK-VAN APPLICATIONS. USE W/OIL PAN
			DEPTH OF 8 1/4". MAY REQUIRE MINOR MODIFICATION
			OF OIL PAN. HI VOL PUMP-25% ADDL VOL OF OIL THAN
			STOCK PUMP. INCLUDES BOLT ON PICKUP ASSY.
		M-84BHV-S	1972-1978 CAR APPLICATIONS. EXCLUDING POLICE -
			USE W/OIL PAN DEPTH OF 8 1/4". MAY REQUIRE
			MINOR MODIFICATION OF OIL PAN. HI VOL PUMP-25%
			ADDL VOL OF OIL THAN STOCK PUMP. INCLUDES
		MOAD	BOLT ON PICKUP ASSY. 1979-1997 HIGH PRESSURE PUMP. F100/F450
		M-84D M-84D	1979-1997 HIGH PRESSURE PUMP. F100/F450 1989-1997 HIGH PRESSURE PUMP. F53 MOTOR HOME
		M-84D	1975-1996 HIGH PRESSURE PUMP. E250/E350
		M-84DHV	1974-1997 TRUCK/VAN ONLY, SCREEN NOT INCLUDED
			HI VOL PUMP-25% ADDL VOL OF OIL THAN STOCK
			PUMP
		M-84EHV-S	1972-1978 CAR APPLICATIONS. POLICE CAR - USE W/
			OIL PAN DEPTH OF 8 5/8". MAY REQUIRE MINOR
			MODIFICATION OF OIL PAN. HI VOL PUMP-25% ADDL
			VOL OF OIL THAN STOCK PUMP. INCLUDES BOLT ON
			PICKUP ASSY.
	Oil Pump Screen	84-DS1	1974-1997 TRUCK/VAN ONLY. FOR USE WITH M-84DHV
			- 11 5/8" OVERALL LENGTH
		84-DS2	1974-1997 TRUCK/VAN ONLY. FOR USE WITH M-84DHV
	Orational on No. 12		- 13 1/4" OVERALL LENGTH
	Continued on Next Page		

Line No. 21	Part Title 460 ENG - 1972-97 - 8 Cyl 4.3	Part No. 360 Bore	Description					
	Oil Pump Drive Shaft	12840	PERFORMANCE TYPE INTERMEDIATE SHAFT. HIGH STRENGTH (150,000 PSI) CHROME MOLY STEEL. IMPROVED SHAFT RETAINER WHICH LOCKS ONTO THE OIL PUMP DRIVE SHAFT					

#### **PERFORMANCE - ISUZU**

Line							
No.	Part Title	Part No.	Description				
1	5.3-M,P (323) OHV ENG - (2003	8-06) - 8 Cyl 96	mm Bore				
	Mell Lube	ENGINE ASSEMBLY LUBRICANT					
	Oil Pump	10295	2003-2004 STANDARD VOLUME. HI PRESSURE 10%.				
			PROTECTIVE COATING. SCREW IN VALVE. USES 7/8"				
			BOLT ON SCREEN.				
		10296	2003-2004 HI VOLUME 18%. PROTECTIVE COATING.				
			SCREW IN VALVE. USES 7/8" BOLT ON SCREEN.				
			INCLUDES OPTIONAL HI PRESSURE SPRING.				

#### **PERFORMANCE - OLDSMOBILE**

e	Part Title	Part No.			Description		
	260 ENG - 1975-82 - 8 Cyl 3.5				Description		
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatior
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
_	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-720] SPRING W/ INSTALLED HGT. OF 1.67. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTO-1	204 214	280 289	.449 .473	106 118	112
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separatior
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	25211	214 224	289 300	.473 .497	106 118	112
	DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	25309	244 244	314 314	0.475 0.475	110 110	110
	DURATION AT .50 INTAKE 232 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	25310	232 232	329 329	.474 .474	112 114	113
Ī	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT		
ľ	Continued on Next Page		1				

ne D.	Part Title	Part No.	Description					
	260 ENG - 1975-82 - 8 Cyl 3.5							
	Torque Cam Lifter Kit	CL-MTO-1	CLASS I HYD. NOT COMPUTER COMPATIBLE.					
		CL-IVITO-T	IMPROVES LOW-MID PERF. USE [VS-720]. NOT					
			CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTO-1]					
			CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK					
			FOR COIL BIND. USE [VS-720] SPRING W/INSTALLED					
-	Induculia Flat Taurat Littana	000514	HGT. OF 1.67					
-	Hydraulic Flat Tappet Lifters Valve Locks	299514	11/32" STEM					
-		476104	INNER - USE WITH [25211], [25309], [MTO-1], [25310]					
	Valve Spring with Hydraulic	466124						
	Lifters	400404	CAMS - MACHING MAY BE REQUIRED					
		466134	OUTER - USE WITH [25211], [25309], [MTO-1], [25310]					
-	William Distance	475054						
-	Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS					
	Valve Springs	VS-720	USE W/ [MTO-1] CAMSHAFT (MACHINING MAY BE					
_			REQUIRED)					
	3pc Set	40409	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST					
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK					
			SPROCKET					
	Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI					
			VOL PUMP IS MANUFACTURED W/BOLT ON TYPE					
			FLANGE AND A CHAMFERED HOLE. EITHER A BOLT (					
2			OR PRESS IN SCREEN CAN BE USED.					
	267 ENG - 1981-82 - 8 Cyl 3.500 Bore							
_	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT					
	Gear Drive Set	48400	NOISY - INCLUDES 8620 CARBURIZED STEEL GEARS					
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.					
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED					
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR					
			STREET AND STRIP, CLAIMER AND RACING ENGINES					
			UP TO 6,500 RPM.					
		48400Q	QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS					
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS.					
			TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODED					
			DOWEL PIN HOLE INSERTS. RECOMMENDED FOR					
			STREET AND STRIP, CLAIMER AND RACING ENGINES					
			UP TO 6,500 RPM.					
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
			TRACK, HOT ROD AND CLAIMER ENGINES INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS					
			FIT ROLLER THRUST BEARINGS.					
		48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE					
			TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES					
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),					
			BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK					
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE					
			WASHER					
	305 ENG - 1977-88 - 8 Cyl 3.7	736 Bore						
-	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT					
┢	Continued on Next Page							

e . Part Title	Part No.			Description					
305 ENG - 1977-88 - 8 Cyl 3.1		<b>F</b>							
Gear Drive Set	48400	NOISY - IN		20 CARBUR	IZED STEE	GEARS			
deal Drive Set	10100								
			ROLLER CAM BUTTON, LOCK PLATE AND BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR CODEI						
				SERTS. REC					
			CLAIMER AN	ID RACING	ENGINES				
	404000	UP TO 6,500 RPM. QUIET - INCLUDES 8620 CARBURIZED STEEL GEARS,							
	48400Q								
				SERTS. REC					
				CLAIMER AN	ID RACING	ENGINES			
	40-00-0	UP TO 6,5							
3pc Set	48500T-9			R STREET AN					
				D CLAIMER					
				ROLLER CH/					
				PROCKET &					
				/-4° CAM AD	JUSTMENT.	PRESS			
				BEARINGS.					
	48500W-9			R STREET AN					
						S INCLUDES 0" ROLLER),			
					•				
		BILLET ST	9 KEYWAY						
		SPROCKE	ET WITH +4°	/-4° CAM AD	JUSTMENT.	BRONZE			
		WASHER							
307 ENG - 1980-88 - 8 Cyl 3.	500 Bore								
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
1980-1984 HYD. IMPROVES	MTO-1	204 214	280 289	.449 .473	106 118	112			
LOW-MID. PERF. CHECK FOR									
COIL BIND. USE [VS-720]									
SPRING W/INSTALLED HGT. OF									
1.67. CLASS I. NOT CALIFORNIA									
COMPLIANT. NOT COMPUTER									
COMPATIBLE. POWER RANGE									
1200-4700.									
Camshafts Using Hydraulic Flat		Degrade	Degrade	Inches	Degrade	Degrees			
Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Separation			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Soparation			
1980-1984 CLASS II. NOT	25211	214 224	289 300	.473 .497	106 118	112			
	29211	214 224	269 300	.473 .497	100 110	112			
CALIFORNIA COMPLIANT. NOT									
COMPUTER COMPATIBLE.									
POWER RANGE 1700-5200.									
1980-1984 DURATION AT .50	25309	244 244	314 314	0.475 0.475	110 110	110			
INTAKE 244 CLASS III. NOT									
CALIFORNIA COMPLIANT. NOT									
		1							
COMPUTER COMPATIBLE.									
COMPUTER COMPATIBLE. POWER RANGE 3200-6700.									
COMPUTER COMPATIBLE. POWER RANGE 3200-6700. 1980-1984 DURATION AT .50	25310	232 232	329 329	.474 .474	112 114	113			
COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	25310	232 232	329 329	.474 .474	112 114	113			
COMPUTER COMPATIBLE. POWER RANGE 3200-6700. 1980-1984 DURATION AT .50	25310	232 232	329 329	.474 .474	112 114	113			
COMPUTER COMPATIBLE. POWER RANGE 3200-6700. 1980-1984 DURATION AT .50 INTAKE 232 CLASS III. NOT	25310	232 232	329 329	.474 .474	112 114	113			
COMPUTER COMPATIBLE. POWER RANGE 3200-6700. 1980-1984 DURATION AT .50 INTAKE 232 CLASS III. NOT CALIFORNIA COMPLIANT. NOT	25310	232 232	329 329	.474 .474	112 114	113			

Line			PC		ICE - OLDS		continued)	
No.	Part Title	Part No.			Description			
4	307 ENG - 1980-88 - 8 Cyl 3.5	500 Bore						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Torque Cam Lifter Kit	CL-MTO-1	1980-1984	CLASS I HY	D. NOT CON	OMPUTER		
					VES LOW-M			
			[VS-720]. NOT CALIFORNIA COMPLIANT. KIT INCL					
			RS & 40Z M					
		CHECK FOR COIL BIND. USE [VS-72						
				D HGT. OF	1.67			
	Hydraulic Flat Tappet Lifters	299514	1980-1984					
	Valve Locks	476104	11/32" STE		0111 05000		050101	
	Valve Spring with Hydraulic Lifters	466124		-	5211], [25309 Y BE REQUI		25310]	
	Litters	466134			5211], [2530		[25310]	
		400134		-	Y BE REQUI		[25510]	
	Valve Spring Retainers	475054			WITH [4661		iS	
	Valve Springs	VS-720			SHAFT (MAC	-		
			REQUIRE	-	· · · ·			
	Oil Pump	M-22FHV	HI VOL PU	JMP (20% AI	DDL VOL OF	OIL) NOTE:	THIS HI	
	-		VOL PUM	P IS MANUE	ACTURED W	//BOLT ON T	TYPE	
			FLANGE A	ND A CHAN	IFERED HOL	.E. EITHER	A BOLT ON	
			OR PRESS	S IN SCREE	N CAN BE U	SED.		
5	350 ENG - 1968-80 - 8 Cyl 4.0	)57 Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112	
	PERF. CHECK FOR COIL BIND.							
	USE [VS-720] SPRING W/							
	INSTALLED HGT. OF 1.67.							
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Hydraulic Flat		Dogroop	Degrees	Inches	Dogroop	Dograac	
	Tappet Lifters		Degrees .050" dur	ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS II. NOT CALIFORNIA	25211	214 224	289 300	.473 .497	106 118	112	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200.							
	DURATION AT .50 INTAKE 244	25309	244 244	314 314	0.475 0.475	110 110	110	
	CLASS III. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	3200-6700. DURATION AT .50 INTAKE 232	25310	222 222	329 329	.474 .474	112 114	113	
	CLASS III. NOT CALIFORNIA	25310	232 232	329 329	.4/4 .4/4	112 114	113	
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2650-6200.							
	Mell Lube	M-10012	ENGINE A	SSEMBLY L			1	
	Continued on Next Page							

ne o. Part Title	Part No.	Description
350 ENG - 1968-80 - 8 Cyl 4	1.057 Bore	·
Torque Cam Lifter Kit	CL-MTO-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. NOT CALIFORNIA
		COMPLIANT. KIT INCLUDES 1-[MTO-1] CAM, 16-[JB-951]
		LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND.
		USE [VS-720] SPRING W/INSTALLED HGT. OF 1.67
Hydraulic Flat Tappet Lifters	299514	
Valve Locks	476104	11/32" STEM
Valve Spring with Hydraulic	466124	INNER - USE WITH [25211], [25309], [MTO-1], [25310]
Lifters		CAMS - MACHING MAY BE REQUIRED
	466134	OUTER - USE WITH [25211], [25309], [MTO-1], [25310]
		CAMS - MACHING MAY BE REQUIRED
Valve Spring Retainers	475054	CHROME MOLY - USE WITH [466134] SPRINGS
Valve Springs	VS-720	USE W/ [MTO-1] CAMSHAFT (MACHINING MAY BE
		REQUIRED)
Gear Drive Set	48400	1977-1979 NOISY - INCLUDES 8620 CARBURIZED STEEL
		GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
		BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
		CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
		FOR STREET AND STRIP, CLAIMER AND RACING
		ENGINES UP TO 6,500 RPM.
	48400Q	1977-1979 QUIET - INCLUDES 8620 CARBURIZED STEEL
		GEARS, ROLLER CAM BUTTON, LOCK PLATE AND
		BOLTS. TIMING ADJUSTED WITH 5 OPTIONAL COLOR
		CODED DOWEL PIN HOLE INSERTS. RECOMMENDED
		FOR STREET AND STRIP, CLAIMER AND RACING
		ENGINES UP TO 6,500 RPM.
3pc Set	48500T-9	1977-1979 RECOMMENDED FOR STREET AND STRIP,
		CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
		INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250"
		ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY
		CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT.
	4050011/ 0	PRESS FIT ROLLER THRUST BEARINGS.
	48500W-9	1977-1979 RECOMMENDED FOR STREET AND STRIP,
		CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES.
		INCLUDES SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER), BILLET STEEL CAM SPROCKET & 9 KEYWAY
		CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT.
		BRONZE WASHER
Oil Pump	M-22FHV	HI VOL PUMP (20% ADDL VOL OF OIL) NOTE: THIS HI
		VOL PUMP (20% ADDE VOL OF OIL) NOTE. THIS HI
		FLANGE AND A CHAMFERED HOLE. EITHER A BOLT ON
		OR PRESS IN SCREEN CAN BE USED.

	Part Title	Part No.			Description				
400 ENC	G - 1965-69 - 8 Cyl 4.								
Torque C			Degrade	Degrees	Inches	Degrees	Degrees		
			Degrees .050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
HYD. IMF	PROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112		
PERF. CI	HECK FOR COIL BIND.	-							
	720] SPRING W/								
	ED HGT. OF 1.67.								
CLASS I.	NOT CALIFORNIA								
COMPLIA	ANT. NOT COMPUTER								
COMPAT	IBLE. POWER RANGE								
1200-470									
	ts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
Tappet L	ifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	9 CLASS II. NOT	25211	214 224	289 300	.473 .497	106 118	112		
	NIA COMPLIANT. NOT								
	ER COMPATIBLE.								
	RANGE 1700-5200.								
	9 DURATION AT .50	25309	244 244	314 314	0.475 0.475	110 110	110		
	244 CLASS III. NOT								
	NIA COMPLIANT. NOT								
	ER COMPATIBLE.								
	RANGE 3200-6700.	25310	232 232	329 329	.474 .474	112 114	113		
	9 DURATION AT .50 232 CLASS III. NOT	25310	232 232	329 329	.4/4 .4/4	112 114	113		
	RNIA COMPLIANT. NOT								
	ER COMPATIBLE.								
	RANGE 2650-6200.								
Mell Lub		M-10012	ENGINE A	ENGINE ASSEMBLY LUBRICANT					
Torque C	am Lifter Kit	CL-MTO-1	CLASSIH	IYD. NOT CO	OMPUTER C	OMPATIBLE			
			IMPROVE	S LOW-MID	PERF. USE [	VS-720]. NO	ОТ		
			CALIFORM	VIA COMPLI	ANT. KIT INC	LUDES 1-[N	/ITO-1]		
					ERS & 4OZ I				
					[VS-720] SPI	RING W/INS	TALLED		
			HGT. OF 1						
	c Flat Tappet Lifters	299514	EXCLUDE						
Valve Lo		476104	11/32 inch				050401		
-	ring with Hydraulic	466124		-	5211], [25309 X BE BEOU		25310]		
Lifters		466134			Y BE REQUI 5211], [2530		[25310]		
		400134		-	Y BE REQUI		[20310]		
Valve Sn	ring Retainers	475054			E WITH [4661		is		
Valve Sp Valve Sp	-	VS-720			SHAFT (MAC				
Jaire op			REQUIRE	-					
Chrome	Moly Push Rods	500564		,	ATED MAX. S		ESSURE		
2			350 LBS.						
3pc Set		40409		S SEAMLES	S SOLID ROL	LER CHAIN	I, CAST		
					T & MULTIPL				
			SPROCKE						
Oil Pump	)	M-22FHV			DDL VOL OF	OIL) NOTE:	THIS HI		
•				•	ACTURED W				
					IFERED HOL				
				S IN SCREE					

ne o.	Part Title	Part No.			Description			
7	403 ENG - 1977-79 - 8 Cyl 4.3				200011011011			
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112	
	PERF. CHECK FOR COIL BIND.	_						
	USE [VS-720] SPRING W/							
	INSTALLED HGT. OF 1.67.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	CLASS II. NOT CALIFORNIA	25211	214 224	289 300	.473 .497	106 118	112	
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE							
	1700-5200.							
	DURATION AT .50 INTAKE 244	25309	244 244	314 314	0.475 0.475	110 110	110	
	CLASS III. NOT CALIFORNIA				00	110 110		
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	3200-6700.							
	DURATION AT .50 INTAKE 232	25310	232 232	329 329	.474 .474	112 114	113	
	CLASS III. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2650-6200. Mell Lube	M-10012		SSEMBLY L				
	Torque Cam Lifter Kit	CL-MTO-1			OBRICANT		-	
					PERF. USE [			
					ANT. KIT INC	-		
					ERS & 40Z I	-	-	
			FOR COIL	BIND. USE	[VS-720] SPF	RING W/INS	TALLED	
			HGT. OF 1	.67				
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104	11/32" STE				0.50 ( 0.1	
	Valve Spring with Hydraulic	466124			5211], [25309 X BE BEOU		25310]	
	Lifters	466134			Y BE REQUI		[25310]	
		400134		-	Y BE REQUI		[25510]	
	Valve Spring Retainers	475054			E WITH [4661		ŝS	
	Valve Springs	VS-720			SHAFT (MAC			
			REQUIRE	-	(···· /•			
	3pc Set	40409		,	S SOLID ROL	LER CHAIN	I, CAST	
			IRON CAN	I SPROCKE	T & MULTIPL	E KEYWAY	CRANK	
			SPROCKE					
	Oil Pump	M-22FHV		•	DDL VOL OF	,		
					ACTURED W			
							A BOLT ON	
			OR PRESS IN SCREEN CAN BE USED.					

Line No.	Part Title	Part No.	Description					
8	425 ENG - 1965-67 - 8 Cyl 4.1				Description			
	Torque Camshaft		_				_	
	Torque Gamanan		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation	
	1967-1967 HYD. IMPROVES	MTO-1	204 214	280 289	.449 .473	106 118	112	
	LOW-MID. PERF. CHECK FOR	WI 0-1	204 214	200 203	.++3 .+75	100 110	112	
	COIL BIND. USE [VS-720]							
	SPRING W/INSTALLED HGT. OF							
	1.67. CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	1967-1967 CLASS II. NOT	25211	214 224	289 300	.473 .497	106 118	112	
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 1700-5200.	05000	044.044	014 014	0.475 0.475		440	
	1967-1967 DURATION AT .50	25309	244 244	314 314	0.475 0.475	110 110	110	
	INTAKE 244 CLASS III. NOT CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 3200-6700.							
	1967-1967 DURATION AT .50	25310	232 232	329 329	.474 .474	112 114	113	
	INTAKE 232 CLASS III. NOT			010 010				
	CALIFORNIA COMPLIANT. NOT							
	COMPUTER COMPATIBLE.							
	POWER RANGE 2650-6200.							
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Torque Cam Lifter Kit	CL-MTO-1			D. NOT COM			
					VES LOW-M			
					RNIA COMP			
					3-951] LIFTEI ID. USE [VS-			
				D HGT. OF			G W/	
	Valve Locks	476104	11/32" STE		1.07			
	Valve Spring with Hydraulic	466124			5211], [25309	1. [MTO-1].	25310]	
	Lifters			-	Y BE REQUI			
		466134	OUTER - L	JSE WITH [2	5211], [2530	9], [MTO-1],	[25310]	
					Y BE REQUI			
	Valve Spring Retainers	475054			E WITH [4661			
	Valve Springs	VS-720	-	-	SHAFT (MAC	HINING MA	YBE	
		40400	REQUIRE	,	2 001 15 56			
	3pc Set	40409	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST					
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK					
	Oil Pump	M-22FHV			DDL VOL OF			
		IVI-22FT1V		•	ACTURED W	,		
					IFERED HOL			
					N CAN BE U			
		I						

Part Title	Part No.			Description				
455 ENG - 1968-76 - 8 Cyl 4.1	25 Bore							
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
HYD. IMPROVES LOW-MID.	MTO-1	204 214	280 289	.449 .473	106 118	112		
PERF. CHECK FOR COIL BIND.								
USE [VS-720] SPRING W/								
INSTALLED HGT. OF 1.67.								
CLASS I. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE								
1200-4700.								
Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	•		
CLASS II. NOT CALIFORNIA	25211	214 224	289 300	.473 .497	106 118	112		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1700-5200.				0 175 0 175				
DURATION AT .50 INTAKE 244 CLASS III. NOT CALIFORNIA	25309	244 244	314 314	0.475 0.475	110 110	110		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
3200-6700.								
DURATION AT .50 INTAKE 232	25310	232 232	329 329	.474 .474	112 114	113		
CLASS III. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
2650-6200. Mell Lube	M-10012		SSEMBLY L					
Torque Cam Lifter Kit	CL-MTO-1			OBRICANT		=		
				PERF. USE				
				ANT. KIT INC				
				ERS & 4OZ I				
				[VS-720] SPI	RING W/INS	TALLED		
		HGT. OF 1	.67					
Hydraulic Flat Tappet Lifters Valve Locks	299514 476104	11/32" STE						
Valve Spring with Hydraulic	466124			5211], [25309	1 [MTO-1]	25310]		
Lifters			-	Y BE REQUI		[20010]		
	466134			25211], [2530		[25310]		
				Y BE REQUI				
Valve Spring Retainers	475054			E WITH [4661	-			
Valve Springs	VS-720	USE W/ [MTO-1] CAMSHAFT (MACHINING MAY BE						
Chrome Moly Push Rods	500564	REQUIRED) HEAT TREATED MAX. SPRING PRESSURE 350 LBS.						
3pc Set	40409			SPRING PH				
				T & MULTIPL		•		
		SPROCKET						
Oil Pump	M-22FHV			DDL VOL OF	OIL) NOTE	: THIS HI		
				ACTURED W	•			
				IFERED HOL		A BOLT ON		
		OR PRESS	S IN SCREE	N CAN BE U	SED.			

e		PERFORMANCE - PONTIAC		
<ul> <li>Part Title</li> <li>3.8-K (229) ENG - 1980</li> </ul>	Part No.	Description		
3.8-K (229) ENG - 1980		re		
Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT		
3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS		
		FIT ROLLER THRUST BEARINGS.		
	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE		
		WASHER		
4.3-Z (262) ENG - 1985	-			
Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT		
3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS		
		FIT ROLLER THRUST BEARINGS.		
	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE		
		WASHER		
4.4-J (267) ENG - 1981				
Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT		
3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
	SPROCKET WITH +4°/-4° CAM ADJUSTMENT			
	407001110	FIT ROLLER THRUST BEARINGS.		
	48500W-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE		
		TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES		
		SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),		
		BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK		
		SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE		
		WASHER		

Josof durADVHYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & (VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.MTP-1204 214278Camshafts Using Hydraulic Flat Tappet LiftersDegrees 0.50° durDegrees ADVDegrees ADVDURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.26303224 236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26303224 236298DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231 240304Mell LubeM-10012ENGINE ASSEM COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012ENGINE ASSEM SPRING W/INST SPRING W/I	Line		-						
Torque CamshaftDegrees .55° dur ADV ADV Int. Exh.Degrees ADV ADV Int. Exh.Degrees ADV ADV Int. Exh.Degrees ADV ADV Int. Exh.Degrees ADV ADV Int. Exh.Degrees ADV ADV Int. Exh.Degrees ADV ADVHYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.59.MTP-1204 214278USE [VS-450] OUTER SPRING W/ INSTALED HGT. OF 1.59.CLASS I. NOT CALIFORNIA COMPATIBLE. POWER RANGE 1200-4700.Degrees Degrees Degrees .050° dur ADVDegrees ADVDURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26303224 236298DURATION AT.50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231 240304MEIL LubeM-10012ENGINE ASSEM M-10012ENGINE ASSEM M-10012304Meil LubeM-10012ENGINE ASSEM MIMPROVES LOW SPRING W/INST COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.Me1012ENGINE ASSEM M-10012Meil LubeM-10012ENGINE ASSEM MIMPROVES LOW SPRING W/INST COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.Me10012ENGINE ASSEM M-1012Meil LubeM-10012ENGINE ASSEM MIMPROVES LOW SPRING W/INST SPRING W/INST SP						Description			
HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & (VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPATIBLE. POWER RANGE 1200-4700.MTP-1Degrees Degrees Degrees Degrees Degrees Degrees Degrees 2630'd ur ADV Int. Exh. Int. Computant. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.Degrees DURATION AT.50 INT. 231 CASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308 Int. Exh. Int. Exh. Int. CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012 Int. Engine ASSEM CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012 Int. ENGINE ASSEM CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012 Int. ENGINE ASSEM CLASS II. NOT CALIFORNIA CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012 Int. ENGINE ASSEM CLASS III. NOT CALIFORNIA CLASS III. NOT CALIFORNIA CLASS III. NOT CALIFORNIA CLASS	4		JUU Bore						
HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.57 & [CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.Degrees <br< th=""><th></th><th>Torque Camshaft</th><th></th><th>.050" dur</th><th>Degrees ADV. Dur</th><th>Inches Valve lift</th><th>Degrees Lobe cntr.</th><th>Degrees Separation</th></br<>		Torque Camshaft		.050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.578 [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.Degrees .050° durDegrees .050° durDegrees .050° durDegrees .050° durDegrees 					Int. Exh.	Int. Exh.	Int. Exh.		
USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters DURATION AT.50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. DURATION AT.50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT.50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT.50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT.50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200. Mell Lube Torque Cam Lifter Kit Verver Spring with Hydraulic VS-450 VS-450 VS-450 VS-450 USE W/ [MTP-1] (MACHINING MA			MTP-1	204 214	278 288	.421 .443	108 116	112	
INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59 & [CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700. Camshafts Using Hydraulic Flat Tappet Lifters DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200. DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700. DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPLIANT. NOT COMPUTER									
[VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.Degrees .050° durDegrees .4DVCamshafts Using Hydraulic Flat Tappet Lifters26204Degrees .050° durDegrees .4DVDURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPATIBLE. POWER RANGE 1700-5200.26303224 236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26303224 236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26308231 240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM CLASS I HYD. N IMPROVES LOW SPRING WINST SPRING WIN									
INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.Degrees .050" dur ADV Int. Exh.Degrees .050" dur ADVDegrees .050" dur ADVDegrees .050" dur .050" dur Int. Exh.Degrees .050" dur .050" d									
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COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.Degrees 0.050" dur ADWDegrees ADWCamshafts Using Hydraulic Flat Tappet LiftersDegrees 0.050" dur ADWDegrees ADWDURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPATIBLE. POWER RANGE 1700-5200.26204214 224 288DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26303224 236 298DURATION AT .50 INT. 221 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26308231 240 304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240 304Meil LubeM-10012ENGINE ASSEM COMPLIANT. NOT COMPUTER COMPLIANT. NOT									
COMPATIBLE. POWER RANGE 1200-4700.Degrees 050" durDegrees 050" durDegrees <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>									
1200-4700.Degrees .050" durDegrees .050" durDegrees .050" durDegrees 									
Camshafts Using Hydraulic Flat Tappet LiftersDegrees .050" durDegrees ADVDURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.26303214 224288DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26303224 236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231 240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM MPRIOVES LOW SPRING W/INST SPRING									
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CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.26303224236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26308231240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPATIBLE. POWER RANGE 2650-6200.26308231240304Mell LubeM-10012ENGINE ASSEM CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/I				Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.2426303224236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231240304Mell LubeM-10012ENGINE ASSEM CLASS I HYD. N IMPROVES LOW SPRING WINST SPRING WINST S		DURATION AT .50 INT. 214	26204	214 224	288 298	.443 .466	108 116	112	
COMPATIBLE. POWER RANGE 1700-5200.2426303224236298DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231240304Mell LubeM-10012ENGINE ASSEM MIMPROVES LOW SPRING WINST SPRING WINST SPRING WINST SPRING WINST COMPLIANT. KIT LIFTERS & 402 USE [VS-310] IN 1.57 & [VS-450] ( 1.59.1.59.1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY 3 ANTI-PUMP UP, ADJUSTABLE V/ MADJUSTABLE V/ Valve Locks476104VS-310USE W/ [MTP-1] (MACHINING MAValve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MAVS-450USE W/ [MTP-1] (MACHINING MA									
1700-5200.26303224236298DURATION AT .50 INT. 224 COMPLIANT. NOT CALIFORNIA COMPATIBLE. POWER RANGE 3200-6700.26308231240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231240304Mell LubeM-10012ENGINE ASSEM MPROVES LOW SPRING W/INST SPRING W/INST SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 402 USE [VS-310] IN 1.57 & [VS-450] ( 1.59.1.59.1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY 3 ANTI-PUMP UP, ADJUSTABLE V/ Valve Locks476104VS-310USE W/ [MTP-1] (MACHINING MAValve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MAVS-450USE W/ [MTP-1] (MACHINING MA									
DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26303224 236298DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM UMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KITCL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KITTorque Cam Lifter KitCL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KITHydraulic Flat Tappet Lifters299694USE FACTORY 3 (NS-450) 0 LIS9.Hydraulic Flat Tappet Lifters299704ANTI-PUMP UP, ADJUSTABLE V/ (MACHINING MAValve Locks476104VS-310USE W/ [MTP-1] (MACHINING MAVS-450USE W/ [MTP-1] (MACHINING MA									
CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.26308231 240DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM UMPROVES LOW SPRING W/INST SPRING W/INST	-			004.000	000.010	407 407	110 110	445	
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.ZesseZesseDURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM CL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] O 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S USE FACTORY S MATI-PUMP UP, ADJUSTABLE V/ MACHINING MAValve Locks476104Valve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MA			26303	224 236	298 310	.407 .407	112 119	115	
COMPATIBLE. POWER RANGE 3200-6700.28126308231 240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM CL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] 0 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY 3 USE FACTORY 3 (MACHINING MAValve Locks476104Valve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MA									
3200-6700.26308231 240304DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEM CL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] ( 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S ADJUSTABLE V/ Valve LocksValve Spring with Hydraulic LiftersVS-310USE W/ [MTP-1] (MACHINING MAVS-450USE W/ [MTP-1] (MACHINING MA									
DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.26308231 240304Mell LubeM-10012ENGINE ASSEMTorque Cam Lifter KitCL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] 0 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S USE FACTORY S ADJUSTABLE V/ Valve LocksValve Locks476104Valve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MACHINING									
COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.M-10012ENGINE ASSEMMell LubeM-10012ENGINE ASSEMTorque Cam Lifter KitCL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] O 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S ANTI-PUMP UP, ADJUSTABLE V/ Valve LocksValve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MACHINING MACHI			26308	231 240	304 316	.470 .470	112 115	113	
COMPATIBLE. POWER RANGE 2650-6200.Mell LubeM-10012ENGINE ASSEMTorque Cam Lifter KitCL-MTP-1CLASS I HYD. N IMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] (0 1.59.IMPROVES LOW SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] (0 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S ANTI-PUMP UP, ADJUSTABLE V/ USE V/ [MTP-1] (MACHINING MACHINING M		CLASS III. NOT CALIFORNIA							
2650-6200.M-10012ENGINE ASSEMTorque Cam Lifter KitCL-MTP-1CLASS I HYD. NIMPROVES LOW SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] O 1.59.LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] O 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S ANTI-PUMP UP, ADJUSTABLE V/ USE W/ [MTP-1] (MACHINING MAValve Locks476104Valve Spring with Hydraulic LiftersVS-450USE W/ [MTP-1] (MACHINING MA									
Mell Lube       M-10012       ENGINE ASSEM         Torque Cam Lifter Kit       CL-MTP-1       CLASS I HYD. N         IMPROVES LOW       SPRING W/INST         SPRING W/INST       SPRING W/INST         COMPLIANT. KIT       LIFTERS & 40Z         USE [VS-310] IN       1.57 & [VS-450] O         1.59.       Hydraulic Flat Tappet Lifters       299694         Valve Locks       476104       ANTI-PUMP UP,         Valve Spring with Hydraulic       VS-310       USE W/ [MTP-1]         Lifters       VS-450       USE W/ [MTP-1]         (MACHINING MA       VS-450       USE W/ [MTP-1]									
Torque Cam Lifter Kit       CL-MTP-1       CLASS I HYD. N         IMPROVES LOW       SPRING W/INST         SPRING W/INST       SPRING W/INST         SPRING W/INST       COMPLIANT. KIT         LIFTERS & 40Z       USE [VS-310] IN         1.57 & [VS-450] (0       1.59.         Hydraulic Flat Tappet Lifters       299694       USE FACTORY S         Valve Locks       476104       4000000000000000000000000000000000000	-		M 10010						
Improves Low         SPRING W/INST         SPRING W/INST         SPRING W/INST         COMPLIANT. KIT         LIFTERS & 40Z         USE [VS-310] IN         1.57 & [VS-450] (V         1.59.         Hydraulic Flat Tappet Lifters         299694         USE FACTORY S         ANTI-PUMP UP,         ADJUSTABLE V/         Valve Locks         476104         Valve Spring with Hydraulic         Lifters         VS-450         USE W/ [MTP-1]         (MACHINING MA         USE W/ [MTP-1]         (MACHINING MA	-			-					
SPRING W/INST SPRING W/INST COMPLIANT. KIT LIFTERS & 40Z USE [VS-310] IN 1.57 & [VS-450] G 1.59.Hydraulic Flat Tappet Lifters299694USE FACTORY S 1.59.Hydraulic Flat Tappet Lifters299704ANTI-PUMP UP, ADJUSTABLE V/ MOUSTABLE V/ INTI-PUMP UP, ADJUSTABLE V/ Valve Spring with Hydraulic LiftersVS-310USE W/ [MTP-1] (MACHINING MACHINING MAC									
Hydraulic Flat Tappet Lifters       299694       USE [VS-310] IN         Hydraulic Flat Tappet Lifters       299694       USE FACTORY S         Hydraulic Flat Tappet Lifters       299704       ANTI-PUMP UP,         ADJUSTABLE V/       ADJUSTABLE V/         Valve Locks       476104       VS-310         USE W/ [MTP-1]       (MACHINING MA         Lifters       VS-450       USE W/ [MTP-1]         (MACHINING MA       USE W/ [MTP-1]							-	-	
Hydraulic Flat Tappet Lifters       299694       USE [VS-310] IN         Hydraulic Flat Tappet Lifters       299694       USE FACTORY S         Hydraulic Flat Tappet Lifters       299704       ANTI-PUMP UP,         ADJUSTABLE V/       ADJUSTABLE V/         Valve Locks       476104       VS-310         USE W/ [MTP-1]       (MACHINING MA         USE W/ [MTP-1]       (MACHINING MA							-	-	
Hydraulic Flat Tappet Lifters       299694       USE [VS-310] IN 1.57 & [VS-450] (0 1.59.         Hydraulic Flat Tappet Lifters       299694       USE FACTORY S ADJUSTABLE V/ ADJUSTABLE V/ Valve Locks         Valve Locks       476104         Valve Spring with Hydraulic Lifters       VS-310       USE W/ [MTP-1] (MACHINING MACHINING M				COMPLIAN	NT. KIT INCL	UDES 1-[MT	[P-1] CAM, 1	6-[JB-951]	
Hydraulic Flat Tappet Lifters         299694         USE FACTORY S           Hydraulic Flat Tappet Lifters         299704         ANTI-PUMP UP, ADJUSTABLE V/           Valve Locks         476104         VS-310         USE W/ [MTP-1] (MACHINING MA           Lifters         VS-450         USE W/ [MTP-1] (MACHINING MA									
Hydraulic Flat Tappet Lifters       299694       USE FACTORY S         Hydraulic Flat Tappet Lifters       299704       ANTI-PUMP UP, ADJUSTABLE V/         Valve Locks       476104       VS-310       USE W/ [MTP-1]         Lifters       VS-450       USE W/ [MTP-1]       (MACHINING MACHINING MACHI				-	-				
Hydraulic Flat Tappet Lifters       299694       USE FACTORY S         299704       ANTI-PUMP UP, ADJUSTABLE V/         Valve Locks       476104         Valve Spring with Hydraulic       VS-310       USE W/ [MTP-1] (MACHINING MA         Lifters       VS-450       USE W/ [MTP-1] (MACHINING MA				-	-450] OUTEI	R SPRING W	I/INSTALLEI	J HGT. OF	
299704     ANTI-PUMP UP, ADJUSTABLE V/ ADJUSTABLE V/       Valve Locks     476104       Valve Spring with Hydraulic Lifters     VS-310     USE W/ [MTP-1] (MACHINING MA       VS-450     USE W/ [MTP-1] (MACHINING MA	F	Hydraulic Flat Tannet Lifters	299694			NG			
Valve Locks     476104       Valve Spring with Hydraulic     VS-310     USE W/ [MTP-1]       Lifters     VS-450     USE W/ [MTP-1]       (MACHINING MACHINING	F						SH; MUST B	E USED W/	
Valve Locks     476104       Valve Spring with Hydraulic     VS-310     USE W/ [MTP-1] (MACHINING MA       Lifters     VS-450     USE W/ [MTP-1] (MACHINING MA				ANTI-PUMP UP, SET AT ZERO LASH; MUST BE USED W/ ADJUSTABLE VALVE TRAIN					
Lifters (MACHINING MA VS-450 USE W/ [MTP-1] (MACHINING MA			476104						
VS-450 USE W/ [MTP-1] (MACHINING MA			VS-310	-	-				
(MACHINING MA	-	Lifters				,			
			VS-450	-	-				
	ŀ	Volvo Spring Potoingra	475054			KEQUIRED)			
Rocker Arms 498464									
Continued on Next Page	ŀ		-130707						

Part Title	Part No.			Description					
301 ENG - 1977-81 - 8 C	yl 4.000 Bore								
Oil Pump	10540	HI PRESS		INCLUDES	SCREEN S	TANDARD			
				PRESSURE					
			-	VE COATIN	-	-			
				TER SCREE					
	10541			30% MORE		THAN			
				REEN STAN					
				NDARD SHA					
				G. SCREW I					
			ER SCREEN			10208200			
5.0 (305) ENG - 1977-87	- 8 Cyl 3.736 Bor								
Mell Lube	M-10012		SSEMBLY L	UBRICANT					
3pc Set	48500T-9	RECOMM	ENDED FOR	STREET AN	ID STRIP, C	IRCLE			
		TRACK, H	OT ROD AN	O CLAIMER	ENGINES. II	NCLUDES			
		SEAMLES	S DOUBLE F	ROLLER CH	AIN (.250" R	OLLER),			
				PROCKET &	•				
		SPROCKE	T WITH +4°/	-4° CAM AD	JUSTMENT.	PRESS			
		FIT ROLLE	R THRUST	BEARINGS.					
	48500W-9			STREET AN	ID STRIP, C	IRCLE			
		TRACK, H	OT ROD AN	O CLAIMER	ENGINES. II	NCLUDES			
			SEAMLESS DOUBLE ROLLER CHAIN (.250" ROLLER),						
					•				
		SPROCKE	BILLET STEEL CAM SPROCKET & 9 KEYWAY CRANK SPROCKET WITH +4°/-4° CAM ADJUSTMENT. BRONZE						
			WASHER						
5.0 (307) ENG - 1971-72	- 8 Cvl - 3 7/8 Bor								
Mell Lube	M-10012		SSEMBLY L	UBRICANT					
3pc Set	48500T-9			STREET AN	ID STRIP. C	IRCLE			
•				O CLAIMER					
				ROLLER CH					
				PROCKET &	•				
				-4° CAM AD					
			R THRUST						
	48500W-9	RECOMM	ENDED FOR	STREET AN	ID STRIP, C	IRCLE			
		TRACK, H	OT ROD AN	D CLAIMER	ENGINES. II	NCLUDES			
				ROLLER CH					
				PROCKET &	•				
				-4° CAM AD					
		WASHER							
326 ENG - 1963-73 - 8 C	yl 3.719 Bore								
Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees			
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation			
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
HYD. IMPROVES LOW-MI		204 214	278 288	.421 .443	108 116	112			
PERF. CHECK FOR COIL									
USE [VS-310] INNER SPRI									
INSTALLED HGT. OF 1.57									
[VS-450] OUTER SPRING	W/								
INSTALLED HGT. OF 1.59.									
CLASS I. NOT CALIFORNIA	A								
COMPLIANT. NOT COMPL	JTER								
COMPATIBLE. POWER RA	NGE								
1200-4700.									
Continued on Next Page									
	l.	1	1			L			

e Part Title	Part No.			Description				
326 ENG - 1963-73 - 8 Cyl				•				
Camshafts Using Hydraulic Fla	at	Degrees	Degrees	Inches	Degrees	Degrees		
Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.		214 224	288 298	.443 .466	108 116	112		
DURATION AT .50 INT. 224	26303	224 236	298 310	.407 .407	112 119	115		
CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.		224 230	230 310	.407 .407	112 113			
DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113		
CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.								
Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT				
		IMPROVES LOW-MID PERF. USE [VS-310] INNEF SPRING W/ INSTALLED HGT. OF 1.57 7 [VS-450] SPRING W/ INSTALLED HGT. OF 1.59 LIFT. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTF CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CH FOR COIL BIND. USE [VS-310] INNER SPRING W INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPF INSTALLED HGT. OF 1.59.						
Hydraulic Flat Tappet Lifters	299514							
Valve Locks	476104							
Valve Spring with Hydraulic Lifters	VS-310	-	-	SHAFT; INNE REQUIRED)				
	VS-450	(MACHINI	NG MAY BE	SHAFT; OUT REQUIRED)				
Valve Spring Retainers	475054	CHROME	MOLY					
Rocker Arms	498464							
Chrome Moly Push Rods	500574			SPRING PF				
3pc Set	40408		I SPROCKE	S SOLID ROI T & MULTIPI				
Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREEN STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE INCLUDES 3/4" DIAMETER SCREEN.						
	10541	10540) INC PRESSUR	PRESSURE DARD VOLU AFT SUPPO IN VALVE. II	JME. HIGH RT.				

Line No.	Part Title	Part No.			Description			
8	350 ENG - 1968-76 - 8 Cyl 3.8	75 Bore						
	Torque Camshaft		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA	MTP-1	204 214	278 288	.421 .443	108 116	112	
	COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.							
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	DURATION AT .50 INT. 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	214 224	288 298	.443 .466	108 116	112	
	DURATION AT .50 INT. 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115	
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113	
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Torque Cam Lifter Kit	CL-MTP-1	CLASS I HYD. NOT COMPUTER COMPATIBLE. IMPROVES LOW-MID PERF. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTEF SPRING W/ INSTALLED HGT. OF 1.59 LIFT. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W INSTALLED HGT. OF 1.59.					
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104						
	Valve Spring with Hydraulic Lifters	VS-310 VS-450	(MACHINII USE W/ [M	NG MAY BE ITP-1] CAMS	SHAFT; INNE REQUIRED) SHAFT; OUTI	ER SPRING		
			(MACHINING MAY BE REQUIRED)					
	Valve Spring Retainers	475054	CHROME	MOLY				
	Rocker Arms	498464						
	Chrome Moly Push Rods 3pc Set	500274 40408	INCLUDES	SEAMLESS	SPRING PR S SOLID ROI T & MULTIPL	LLER CHAIN	I, CAST	
	Continued on Next Page							

Line					<b>-</b>				
No.	Part Title	Part No.			Description				
8	350 ENG - 1968-76 - 8 Cyl 3.8					00000000			
	Oil Pump	10540			- INCLUDES				
					PRESSURE				
							N VALVE.		
		10541							
		10541			(30% MORE				
			,		REEN STANI NDARD SHA				
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3, 4" DIAMETER SCREEN.						
9	350-P ENG - 1977 - 8 Cyl 3.87	75 Bore			N.				
	Torque Camshaft		Deman Deman Instan Deman						
	Torque ounishin		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separation		
	HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112		
	PERF. CHECK FOR COIL BIND.		204 214	270 200		100 110	112		
	USE [VS-310] INNER SPRING W/								
	INSTALLED HGT. OF 1.57 &								
	[VS-450] OUTER SPRING W/								
	INSTALLED HGT. OF 1.59.								
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	Lobe cntr.	Separation				
			.050" dur ADV. Dur Valve lift Int. Exh. Int. Exh. Int. Exh.			Int. Exh.			
	DURATION AT .50 INT. 214	26204	214 224	288 298	.443 .466	108 116	112		
	CLASS II. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	DURATION AT .50 INT. 224	26303	224 236	298 310	.407 .407	112 119	115		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	3200-6700.								
	DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2650-6200.								
		M-10012		SSEMBLY L			-		
	Torque Cam Lifter Kit	CL-MTP-1							
					PERF. USE				
			SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER						
			SPRING W/ INSTALLED HGT. OF 1.59 LIFT. NOT CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK						
			FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/						
				D HGT. OF D HGT. OF 1	-				
	Hydraulic Flat Tappet Lifters	299514	INDIALLE						
	Valve Locks	476104							
	Continued on Next Page								
			<u> </u>						

Line							continued)		
No.	Part Title	Part No.			Description				
9	350-P ENG - 1977 - 8 Cyl 3.8								
	Valve Spring with Hydraulic Lifters	VS-310	-	ITP-1] CAMS NG MAY BE					
		VS-450	USE W/ [N	ITP-1] CAMS	HAFT; OUT	ER SPRING			
			(MACHINII	NG MAY BE	REQUIRED)				
	Valve Spring Retainers	475054	CHROME	MOLY					
	Rocker Arms	498464							
	Chrome Moly Push Rods	500274		ATED MAX.					
	3pc Set	40408		S SEAMLESS I SPROCKET			•		
	Oil Pump	10540		URE PUMP -	· INCLUDES	SCREEN S	TANDARD		
				STANDARD					
				. PROTECTI					
			INCLUDES	3/4" DIAME	TER SCREE	EN.			
		10541	HI PRESS	URE PUMP (	30% MORE	PRESSURE	THAN		
				CLUDES SCR					
				E 30%. STA					
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3						
			4" DIAMETER SCREEN.						
10	5.7-L (350) ENG - 1977-79 - 8 C	yl 3.875 Bore							
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT						
	3pc Set	48500T-9	RECOMMENDED FOR STREET AND STRIP, CIRCLE TRACK, HOT ROD AND CLAIMER ENGINES. INCLUDES						
				S DOUBLE F EEL CAM SI		•			
			SPROCKET WITH +4°/-4° CAM ADJUSTMENT. PRESS FIT ROLLER THRUST BEARINGS.						
		48500W-9		ENDED FOR		ND STRIP. C	IRCLE		
				OT ROD ANI					
			SEAMLES	S DOUBLE F	ROLLER CH	AIN (.250" R	OLLER),		
			BILLET ST	EEL CAM SI	PROCKET &	9 KEYWAY	CRANK		
				T WITH +4°/	-4° CAM AD	JUSTMENT.	BRONZE		
			WASHER						
11	5.7-G (350) OHV ENG - 1998-02	2 - 8 Cyl 3.90 E	Bore						
	Camshafts Using Hydraulic Roller Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	CLASS II. NOT CALIFORNIA	22201	223 223	291 291	.566 .566	110 118	114		
	COMPLIANT. NOT COMPUTER								
	COMPATABLE. POWER RANGE								
	2000-5000.	M 10010		SSEMBLY L					
	Mell Lube Valve Spring Retainers	M-10012 475234	CHROME						
	Oil Pump	10295		D VOLUME.	HIPRESSU	RE 10% PF	OTECTIVE		
			COATING. SCREW IN VALVE. USES 7/8" BOLT ON SCREEN.						
		10296	HI VOLUM	E 18%. PRO	TECTIVE C	DATING. SC	REW IN		
			VALVE. USES 7/8" BOLT ON SCREEN. INCLUDES						
			OPTIONAL HI PRESSURE SPRING.						
12	6.0-U (364) OHV ENG - 2005-08	3 - 8 Cyl 4.00 E	Bore						
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT				
	Continued on Next Page								
	1	1							

Line No.	Part Title	Part No.			Description				
12	6.0-U (364) OHV ENG - 2005-08		Bore		Description				
	Oil Pump	10295		STANDARI	O VOLUME.	HI PRESSU	RE 10%.		
				IVE COATIN					
			BOLT ON	SCREEN.					
		10296	2005-2006	HI VOLUMI	E 18%. PRO	TECTIVE CO	DATING.		
				I VALVE. US					
			INCLUDES OPTIONAL HI PRESSURE SPRING.						
13	389 ENG - 1959-66 - 8 Cyl 4.0	62 Bore							
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees		
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112		
	PERF. CHECK FOR COIL BIND.								
	USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 &								
	[VS-450] OUTER SPRING W/								
	INSTALLED HGT. OF 1.59.								
	CLASS I. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1200-4700.								
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	DURATION AT .50 INT. 214	26204	214 224	288 298	.443 .466	108 116	112		
	CLASS II. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	DURATION AT .50 INTAKE 224 CLASS III. NOT CALIFORNIA	26303	224 236	298 310	.407 .407	112 119	115		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	3200-6700.								
	DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113		
	CLASS III. NOT CALIFORNIA						_		
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2650-6200.								
	Mell Lube	M-10012		SSEMBLY L					
	Torque Cam Lifter Kit	CL-MTP-1		YD. NOT CO		-			
				S LOW-MID					
				// INSTALLE // INSTALLE		-	-		
							-		
			CALIFORNIA COMPLIANT. KIT INCLUDES 1-[MTP-1] CAM, 16-[JB-951] LIFTERS & 40Z MELL LUBE. CHECK						
			FOR COIL BIND. USE [VS-310] INNER SPRING W/						
			INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/						
			INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59.						
	Hydraulic Flat Tappet Lifters	299514			-				
	Valve Locks	476104							
	Valve Spring with Hydraulic	VS-310	USE W/ [M	ITP-1] CAMS	HAFT; INNE	R SPRING			
	Lifters		(MACHINI	NG MAY BE	REQUIRED)				
	Continued on Next Page								

Line				FLNI ON			continuea)	
No.	Part Title	Part No.			Description			
13	389 ENG - 1959-66 - 8 Cyl 4.0	62 Bore						
	Valve Spring with Hydraulic	VS-450	USE W/ [M	ITP-1] CAMS	HAFT; OUT	ER SPRING		
	Lifters		(MACHINII	NG MAY BE	REQUIRED)			
	Valve Spring Retainers	475054	CHROME	MOLY				
	Rocker Arms	498464						
	Chrome Moly Push Rods	500574	HEAT TRE	ATED MAX.	SPRING PF	RESSURE 35	50 LBS.	
	3pc Set	40408	INCLUDES	SEAMLES	S SOLID RO	LLER CHAIN	I, CAST	
			IRON CAN	I SPROCKE	T & MULTIPI	E KEYWAY	CRANK	
			SPROCKET					
	Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREEN STANDARE					
			VOLUME. STANDARD PRESSURE. STANDARD SHAFT					
			SUPPORT. PROTECTIVE COATING. SCREW IN VALVE.					
			INCLUDES 3/4" DIAMETER SCREEN.					
		10541	HI PRESSURE PUMP (30% MORE PRESSURE THAN					
			10540) INCLUDES SCREEN STANDARD VOLUME. HIGH					
			PRESSURE 30%. STANDARD SHAFT SUPPORT.					
						IN VALVE. II	NCLUDES 3/	
			4" DIAMET	ER SCREE	۷.			
14	400 ENG - 1967-69 - 8 Cyl 4.1	20 Bore						
	Torque Camshaft		Degrees	Degrees	Inches	Degrees	Degrees	
			.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	-	
	HYD. IMPROVES LOW-MID.	MTP-1	204 214	278 288	.421 .443	108 116	112	
	PERF. CHECK FOR COIL BIND.							
	USE [VS-310] INNER SPRING W/							
	INSTALLED HGT. OF 1.57 &							
	[VS-450] OUTER SPRING W/							
	INSTALLED HGT. OF 1.59.							
	CLASS I. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1200-4700.							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees	
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation	
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.		
	DURATION AT .50 INTAKE 214	26204	214 224	288 298	.443 .466	108 116	112	
	CLASS II. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	1700-5200.							
	DURATION AT .50 INTAKE 224	26303	224 236	298 310	.407 .407	112 119	115	
	CLASS III. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	3200-6700.							
	DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113	
	CLASS III. NOT CALIFORNIA							
	COMPLIANT. NOT COMPUTER							
	COMPATIBLE. POWER RANGE							
	2650-6200.							
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT			
	Continued on Next Page							

Line		,						
No.	Part Title	Part No.			Description			
14	400 ENG - 1967-69 - 8 Cyl 4.1	20 Bore						
	Torque Cam Lifter Kit	CL-MTP-1	IMPROVES SPRING W SPRING W CALIFORN CAM, 16-[J FOR COIL INSTALLE	S LOW-MID   // INSTALLE // INSTALLE IIA COMPLIA IB-951] LIFT BIND. USE	DMPUTER C PERF. USE   D HGT. OF 1 D HGT. OF 1 ANT. KIT INC ERS & 40Z I [VS-310] INN I.57 & [VS-45] I.59.	VS-310] INN 1.57 & [VS-4 1.59 LIFT. NG CLUDES 1-[N MELL LUBE. IER SPRING	IER 50] OUTER OT /TP-1] . CHECK & W/	
	Hydraulic Flat Tappet Lifters	299514						
	Valve Locks	476104						
	Valve Spring with Hydraulic	VS-310	USE W/ [M	TP-1] CAMS	HAFT; INNE	R SPRING		
	Lifters		·		REQUIRED)			
		VS-450	-	-	HAFT; OUTI REQUIRED)			
	Valve Spring Retainers	475054	CHROME	MOLY				
	Rocker Arms	498464						
	Chrome Moly Push Rods	500274	1968-1969 EXCLUDES 1967 MAX. SPRING PRESSURE 350 LBS.					
		500574	1967-1967 WITH 1ST TYPE CYL HEAD WITH PUSH ROD GUIDE PLATE - HEAT TREATED MAX. SPRING PRESSURE 350 LBS.					
	3pc Set	40408	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK SPROCKET					
	Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREEN STANDARD VOLUME. STANDARD PRESSURE. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3/4" DIAMETER SCREEN.					
		10541	10540) INC PRESSUR PROTECT	CLUDES SCR E 30%. STA		DARD VOLU	IME. HIGH	
15	421 ENG - 1963-66 - 8 Cyl 4.0	93 Bore						
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation	
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/ INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.	MTP-1	204 214	278 288	.421 .443	108 116	112	
	Continued on Next Page							

Line						•••••	<u> </u>		
No.	Part Title	Part No.			Description				
15	421 ENG - 1963-66 - 8 Cyl 4.0	93 Bore							
	Camshafts Using Hydraulic Flat		Degrees	Degrees	Inches	Degrees	Degrees		
	Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separation		
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
	DURATION AT .50 INTAKE 214	26204	214 224	288 298	.443 .466	108 116	112		
	CLASS II. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	1700-5200.								
	DURATION AT .50 INTAKE 224	26303	224 236	298 310	.407 .407	112 119	115		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	3200-6700.								
	DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113		
	CLASS III. NOT CALIFORNIA								
	COMPLIANT. NOT COMPUTER								
	COMPATIBLE. POWER RANGE								
	2650-6200.								
	Mell Lube	M-10012		SSEMBLY L			_		
	Torque Cam Lifter Kit	CL-MTP-1		YD. NOT CO					
				S LOW-MID					
				// INSTALLE		-	-		
				// INSTALLE					
						-	-		
			-	JB-951] LIFT BIND. USE					
				D HGT. OF 1					
				D HGT. OF 1	-				
	Hydraulic Flat Tappet Lifters	299514	INCIALLE	briat. of	1.00.				
	Valve Locks	476104							
	Valve Spring with Hydraulic	VS-310	USE W/ IN	ITP-1] CMAS	HAFT: INNE	RSPRING			
	Lifters		-	NG MAY BE					
		VS-450		ITP-1] CAMS	,				
			(MACHINII	NG MAY BE	REQUIRED)				
	Valve Spring Retainers	475054	CHROME		-				
	Rocker Arms	498464							
	Chrome Moly Push Rods	500574		ATED MAX.					
	3pc Set	40408		S SEAMLES					
				I SPROCKE	T & MULTIPI	E KEYWAY	CRANK		
			SPROCKET HI PRESSURE PUMP - INCLUDES SCREEN STAND						
	Oil Pump	10540							
			VOLUME. STANDARD PRESSURE. STANDARD SHA						
			SUPPORT. PROTECTIVE COATING. SCREW IN VALVE INCLUDES 3/4" DIAMETER SCREEN.						
		10541					TUAN		
		10541	HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HIGH						
				E 30%. STA			NCLUDES 3/		
				ER SCREEN			NOLUDEO 3/		
					N.				

Part Title	Part No.			Description				
428 ENG - 1967-69 - 8 Cyl 4.1								
Torque Camshaft			_		_	_		
		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation		
		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.	Separatio		
		204 214	278 288	.421 .443	108 116	112		
HYD. IMPROVES LOW-MID.	MTP-1	204 214	270 200	.421 .443	108 116	112		
PERF. CHECK FOR COIL BIND.								
USE [VS-310] INNER SPRING W/								
INSTALLED HGT. OF 1.57 &								
[VS-450] OUTER SPRING W/								
INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
1200-4700.								
Camshafts Using Hydraulic Flat Tappet Lifters		Degrees	Degrees	Inches	Degrees	Degree		
		.050" dur	ADV. Dur	Valve lift	Lobe cntr.	Separat		
DUDATION AT 50 INTAKE 044		Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.			
DURATION AT .50 INTAKE 214	26204	214 224	288 298	.443 .466	108 116	112		
CLASS II. NOT CALIFORNIA								
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE 1700-5200.								
DURATION AT .50 INTAKE 224	26303	224 236	298 310	.407 .407	112 119	115		
CLASS III. NOT CALIFORNIA	20303	224 230	290 310	.407 .407	112 119	115		
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
3200-6700.								
DURATION AT .50 INT. 231	26308	231 240	304 316	.470 .470	112 115	113		
CLASS III. NOT CALIFORNIA		201 210						
COMPLIANT. NOT COMPUTER								
COMPATIBLE. POWER RANGE								
2650-6200.								
Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT				
Torque Cam Lifter Kit	CL-MTP-1	CLASSIH	YD. NOT CO	MPUTER C	OMPATIBLE			
		IMPROVE	S LOW-MID	PERF. USE	[VS-310] INN	IER		
		SPRING W	// INSTALLE	D HGT. OF	I.57 & [VS-4	50] OUTE		
		SPRING W	// INSTALLE	D HGT. OF	1.59 LIFT. N	ОТ		
				ANT. KIT INC	-	-		
		-	-	ERS & 4OZ				
				[VS-310] INN				
				1.57 & [VS-4	50] OUTER S	SPRING \		
		INSTALLE	D HGT. OF	1.59.				
Hydraulic Flat Tappet Lifters	299514							
Valve Locks	476104							
Valve Spring with Hydraulic	VS-310	-	-	SHAFT; INNE				
Lifters	NO 450			REQUIRED)				
	VS-450 USE W/ [MTP-1] CAMSHAFT; OUTEF (MACHINING MAY BE REQUIRED)							
Nature Operations Data in	475054			REQUIRED)				
Valve Spring Retainers	475054	CHROME	MOLY					
Rocker Arms	498464					01.50		
Chrome Moly Push Rods	500574			SPRING PF				
3pc Set	40408							
			SPROCKE	T & MULTIPI	E KEYWAY	CHANK		
		SPROCKE						

Line No.	Part Title	Part No.			Description					
16	428 ENG - 1967-69 - 8 Cyl 4.1				•					
	Oil Pump	10540	VOLUME. SUPPORT INCLUDES	STANDARD . PROTECTI S 3/4" DIAME	- INCLUDES PRESSURE VE COATING TER SCREE	. STANDAR G. SCREW I EN.	D SHAFT N VALVE.			
		10541	HI PRESSURE PUMP (30% MORE PRESSURE THAN 10540) INCLUDES SCREEN STANDARD VOLUME. HI PRESSURE 30%. STANDARD SHAFT SUPPORT. PROTECTIVE COATING. SCREW IN VALVE. INCLUD 4" DIAMETER SCREEN.							
17	455 ENG - 1970-76 - 8 Cyl 4.151 Bore									
	Torque Camshaft		Degrees .050" dur Int. Exh.	Degrees ADV. Dur Int. Exh.	Inches Valve lift Int. Exh.	Degrees Lobe cntr. Int. Exh.	Degrees Separation			
	HYD. IMPROVES LOW-MID. PERF. CHECK FOR COIL BIND. USE [VS-310] INNER SPRING W/ INSTALLED HGT. OF 1.57 & [VS-450] OUTER SPRING W/	MTP-1	204 214	278 288	.421 .443	108 116	112			
	INSTALLED HGT. OF 1.59. CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1200-4700.									
	Camshafts Using Hydraulic Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	DURATION AT .50 INTAKE 214 CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1700-5200.	26204	214 224	288 298	.443 .466	108 116	112			
	DURATION AT .50 INTAKE 224 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 3200-6700.	26303	224 236	298 310	.407 .407	112 119	115			
	DURATION AT .50 INT. 231 CLASS III. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2650-6200.	26308	231 240	304 316	.470 .470	112 115	113			
	Mell Lube	M-10012		SSEMBLY L						
	Torque Cam Lifter Kit	CL-MTP-1	IMPROVES SPRING W SPRING W CALIFORN CAM, 16-[J FOR COIL INSTALLE	S LOW-MID // INSTALLE // INSTALLE IIA COMPLI/ IB-951] LIFT BIND. USE	DMPUTER C PERF. USE   D HGT. OF 1 D HGT. OF 1 ANT. KIT INC ERS & 40Z I [VS-310] INN I.57 & [VS-48 I 59	VS-310] INN 1.57 & [VS-4 1.59 LIFT. NG CLUDES 1-[N MELL LUBE IER SPRING	NER 50] OUTER OT /TP-1] . CHECK & W/			
	Hydraulic Flat Tappet Lifters	299514								
	Valve Locks	476104								
	Continued on Next Page									
		1								

Line							
No.	Part Title	Part No.	Description				
17	455 ENG - 1970-76 - 8 Cyl 4	151 Bore					
	Valve Spring with Hydraulic	VS-310	USE W/ [MTP-1] CAMSHAFT; INNER SPRING				
	Lifters		(MACHINING MAY BE REQUIRED)				
		VS-450	USE W/ [MTP-1] CAMSHAFT; OUTER SPRING				
			(MACHINING MAY BE REQUIRED)				
	Valve Spring Retainers	475054	CHROME MOLY				
	Rocker Arms	498464					
	Chrome Moly Push Rods	500274	HEAT TREATED MAX. SPRING PRESSURE 350 LBS.				
	3pc Set	40408	INCLUDES SEAMLESS SOLID ROLLER CHAIN, CAST				
			IRON CAM SPROCKET & MULTIPLE KEYWAY CRANK				
			SPROCKET				
	Oil Pump	10540	HI PRESSURE PUMP - INCLUDES SCREEN STANDARD				
			VOLUME. STANDARD PRESSURE. STANDARD SHAFT				
			SUPPORT. PROTECTIVE COATING. SCREW IN VALVE.				
			INCLUDES 3/4" DIAMETER SCREEN.				
		10541	HI PRESSURE PUMP (30% MORE PRESSURE THAN				
			10540) INCLUDES SCREEN STANDARD VOLUME. HIGH				
			PRESSURE 30%. STANDARD SHAFT SUPPORT.				
			PROTECTIVE COATING. SCREW IN VALVE. INCLUDES 3.				
			4" DIAMETER SCREEN.				

#### SPORT COMPACT PERFORMANCE - TOYOTA CARS & TRUCKS

Line										
No.	Part Title	Part No.			Description					
1	2189CC 20R OHC ENG - 1975-	80 - 4 Cyl 88 N	IM Bore							
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation			
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.				
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110			
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110			
	Mell Lube	M-10012	ENGINE ASSEMBLY LUBRICANT							
2	2366CC 22R OHC ENG - 1981-	90 - 4 Cyl 92 N	IM Bore							
	Camshafts Using Mechanical		Degrees	Degrees	Inches	Desires	<b>D</b>			
	Flat Tappet Lifters		.050" dur	ADV. Dur	Valve lift	Degrees Lobe cntr.	Degrees Separation			
	Flat Tappet Lifters									
	Flat Tappet Lifters CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	.050" dur	ADV. Dur	Valve lift	Lobe cntr.				
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE	27101 27201	.050" dur Int. Exh.	ADV. Dur	Valve lift Int. Exh.	Lobe cntr. Int. Exh.	Separation			

#### SPORT COMPACT PERFORMANCE - TOYOTA CARS & TRUCKS (Continued)

Line		Dout No.			Deceriation							
No. 3	Part Title 2366CC 22RE OHC ENG - 1989	Part No.	Description MM Bore									
3		-95 - 4 Cyl 92										
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube         M-10012         ENGINE ASSEMBLY LUBRICANT											
4	2366CC 22REC OHC ENG - 1983-89 - 4 Cyl 92 MM Bore											
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT							
5	2366CC 22RTEC OHC ENG - 19	985-88 - 4 Cyl	92 MM Bor	e								
	Camshafts Using Mechanical Flat Tappet Lifters		Degrees .050" dur	Degrees ADV. Dur	Inches Valve lift	Degrees Lobe cntr.	Degrees Separation					
			Int. Exh.	Int. Exh.	Int. Exh.	Int. Exh.						
	CLASS I. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 1000-4500.	27101	214 224		.417 .429	105 115	110					
	CLASS II. NOT CALIFORNIA COMPLIANT. NOT COMPUTER COMPATIBLE. POWER RANGE 2200-5200.	27201	224 234		.429 .441	105 115	110					
	Mell Lube	M-10012	ENGINE A	SSEMBLY L	UBRICANT							

# CHROME MOLY PUSH ROD IDENTIFICATION CHART

			Le	ength	Diameter		Type A Type C Type D Type B Type D					e E
		Length	Diameter		Max. Spring				Length	Diameter		Max. Spring
	Part No.	(inches)	(inches)	<b>End Type</b>	Pressure (lbs)			Part No.	(inches)	(inches)	<b>End Type</b>	Pressure (lbs)
	500064	9.175	11/32	A&B	350	(I	)[	500394 (H)	8.144	5/16	C&C	350
	500074	10.498	11/32	A&B	350	(I	))	500404 (H)	6.886	5/16	C&C	350
	500094	9.564	5/16	B&B	350	(I	)	500414 (H)	7.605	5/16	C&C	350
	500104	9.594	5/16	B&B	350	I)	)	500424 (H)	8.408	5/16	C&C	350
(D)	500154 (H)	8.280	3/8	D&D	350	I)	)	500434 (H)	8.492	5/16	C&C	350
(D)	500164 (H)	9.252	3/8	D&D	350	I)	)	500444 (H)	7.645	5/16	C&C	350
	500174	10.657	3/8	A&C	350			500474	9.025	3/8	A&E	350
	500184	11.585	3/8	A&C	350	I)	)	500494 (H)	9.682	5/16	C&C	350
	500194	9.140	3/8	A&C	350			500544	8.750	3/8	A&C	350
	500204	9.375	5/16	C&D	350			500554	8.136	3/8	A&C	350
	500214	8.635	5/16	C&D	350	I)	)	500564 (H)	9.547	5/16	C&C	350
(D)	500224	7.342	5/16	A&C	350	I)	)	500574 (H)	8.693	5/16	C&C	350
(D)	500274 (H)	9.130	5/16	C&C	350	I)	)	500584 (H)	6.776	5/16	C&C	350
(D)	500294	8.280	7/16	D&D	350			500594 (H)	7.513	5/16	C&C	350
(D)	500304	9.252	7/16	D&D	350	(I	)	500614 (H)	7.894	5/16	C&C	350
(D)	500314 (H)	7.800	5/16	C&C	350	I)	)	500624	8.680	3/8	D&D	350
(D)	500324	8.555	5/16	C&C	350	I)	)	500634	9.652	3/8	D&D	350
	500334	9.295	5/16	C&C	350	(I	· F	500664 (H)	8.182	5/16	C&C	350
	500344	8.555	3/8	A&E	350	I)	· ' F	500674	7.894	3/8	C&C	350
	500354	9.295	3/8	A&E	350	I)	· ' F	501004 (H)	7.800	5/16	C&C	500
	500364	10.490	3/8	A&E	350	I)	· ' F	501014 (H)	7.900	5/16	C&C	500
	500374	11.457	3/8	A&E	350	I)	- 1 H	501024 (H)	7.950	5/16	C&C	500
l	500384	8.412	3/8	A&E	350	(I	D)	501034 (H)	8.000	5/16	C&C	500

H = HEAT TREATED FOR USE WITH GUIDE PLATES

D = DRILLED

## **VALVE IDENTIFICATION CHART**

	Head	Overall	Stem	
Part No.	Diameter	Length	Diameter	Seat Angle
451014	1.940	4.880	.341	45°
451024	1.500	4.905	.341	45°
451034	2.020	4.897	.341	45°
451044	1.600	4.881	.372	45°
451054	2.190	5.230	.372	45°
451064	1.725	5.350	.372	45°
451074	2.300	5.230	.372	45°
451084	1.880	5.350	.371	45°
451094	1.880	5.070	.341	45°
451104	1.451	5.070	.341	45°
451114	1.940	5.070	.341	45°
451124	1.600	5.050	.341	45°
451134	2.190	5.231	.341	45°
451144	1.725	5.070	.341	45°
451154	1.780	5.070	.341	45°
451194	2.250	5.280	.341	30°
451204	1.725	5.070	.341	45°

# **CHROME MOLY VALVE SPRING RETAINER SPECIFICATION CHART**

Part No.	Diameters Outside/Steps	Relative Height (inches)
Tart No.	FOR 11/32" VALVE STE	
475304	1.375/1.060/.675	+.015
475044	1.375/1.060/.675	+.120
475054	1.375/1.060/.675	+.070
475074	1.375/1.085/.805	+.125
475114	1.500/1.135/.665	+.115
475184	1.190/.870/.610	0
	FOR 3/8" VALVE STEMS	5
475024	1.375/1.075/.785	040
475064	1.375/1.065/.675	120
475084	1.375/1.085/.805	015
475094	1.500/1.135/.635	+.010
475124	1.375/1.065/.670	0
475144	1.375/1.035/.785	030

These retainers are heat treated to 40 ROCKWELL  $\hfill \mbox{\sc scale}$  and are all manufactured for 7° valve locks.

**NOTE:** There are many tolerances that effect the final location and spring height. The relative height dimension is for comparison purposes of these retainers. We took a stock SB Chevy retainer with our 45103 valve and 47601 locks and measured from the rocker arm end of the valve to the spring seat on the retainer. We then took the same dimensions for our 11/32" stem retainers. The 47518 is the same as the stock retainer and is shown as zero. The relative height tells how much the assembled spring height will be changed if you changed from the 47518. The 47501 would shorten the height by .070" while the 47505 would increase it the same amount. The same applies to the 3/8" stem retainers except we used a stock BB Chevy retainer with our 45105 valve and 47300 locks as a starting point.

VALVE SPR	RINGS				POUN	DS PRESSURE	AT THE	SE HEIGHTS				
											Coil	
Part No.	OD	ID	1.88"	1.38"	<b>1.80</b> "	<b>1.30</b> "	1.72"	1.22"	1.67"	1.17"	Bind	# Coils
466074	1.525	1.075	132	364							1.187	5.652
466174	1.475	1.061	90	260	115	285					1.125	6
466204	1.260	0.876					115	307	134	326	1.160	6.5
466224	1.539	1.125	158	318							1.200	6
466244	1.500	1.064	100	310							1.156	5.75
466354	1.215	0.861					110	260	125	284	1.125	6.75
466364	1.260	0.876				125@1.750		325			1.160	6
466434	1.435	1.035					90	260	105	282	1.125	5.7
466444	1.437	1.075			105	217	123	235			1.062	6.5
466114	1.43	.796	128	296	154	322					1.015	6.25
466274												
466124	1.384	.804							105	220	0.906	6
466134												
466154	1.55	.780		136@1.9		300@1.4		333@1.3		349@1.2	1.156	6.5
466164												
VS-320					100	320					1.35	
VS-380							80	240			1.150	

• All numbers are nominal

· Springs should be checked in every application

· Springs with dampners should be oiled prior to testing and installing

• Actual coil bind will vary because of the tolerances in the wire diameter

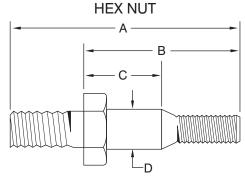
· Coil bind can be checked by compressing the spring in a vise and measuring

• Valve open height should be coil bind plus .100 or more

• Coil bind plus .050 has been used but the life of the spring will be less

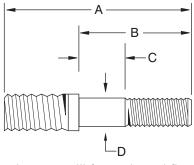
# SCREW IN ROCKER ARM STUDS

	Part	A	В	C	D	Thread S	Size	
Application	No.	Length	Length	Length	Diameter	Bottom	Тор	Hex Nut
CHEVROLET	MRDS-941	2.560	1.765	0.875	7/16	7/16-14	7/16-20	Yes
	MRDS-945	2.250	1.490	0.770	3/8	7/16-14	3/8-24	Yes
	MRDS-948	57mm	40mm	22mm	10mm	10mm-1.5	10mm-1.0	Yes
	MRDS-960	61mm	40mm	24mm	12mm	10mm-1.5	8mm-1.25	Yes
	MRDS-970	60mm	38mm	27mm	10mm	10mm-1.5	8mm-1.25	Yes
	MRDS-1920	2.325	1.600	0.750	3/8	7/16-14	3/8-24	No
	MRDS-2920	2.325	1.725	0.850	3/8	7/16-14	3/8-24	Yes
FORD	MRDS-940	2.670	1.910	0.810	7/16	7/16-14	7/16-20	Yes
	MRDS-942	61mm	41mm	19mm	8mm	10mm-1.5	8mm-1.25	No
PONTIAC	MRDS-939	2.470	1.710	0.875	7/16	7/16-14	3/8-24	Yes



- Cold rolled threads
- 190,000 psi alloy steel





- Large radii for reduced flex
- Black oxided



## **CYLINDER SLEEVES**

- Universal flanged sleeves provide extra insurance against sleeve movement in performance applications
- Reduce the critical factors that secure standard liners such as press fit, cylinder ledge at bottom of bore, and heat expansion rates of metals.
- Flange counter bore thickness in block can be machined .002 less to provide extra sealing against the gasket and head from the flange sleeve.
- Bore can be up to .060 bigger than standard and still have 3/32" sleeve wall.

Part No.	Std. Bore	Sleeve O.D.	Sleeve O.D.	Sleeve O.D.	Flange Thickness	Sleeve O.D.	Sleeve Length
590203	3.9375	3.907	4.330	4.330	.125	4.190	6-3/4
590259	4.000	3.970	4.330	4.330	.125	4.253	5-1/2
590298	4.000	3.970	4.393	4.393	.125	4.253	5-7/8
590236	4.000	3.970	4.393	4.393	.125	4.253	6-1/4
590280	4.000	3.970	4.393	4.393	.125	4.253	6-1/2
590231	4.050	4.020	4.443	4.443	.125	4.303	6-1/4
590295	4.050	4.020	4.443	4.443	.125	4.303	6-5/16
592274	4.110	4.080	4.503	4.503	.125	4.363	6-7/8
592256	4.125	4.095	4.518	4.518	.125	4.378	7-1/2
590261	4.125	4.095	4.518	4.518	.125	4.378	6-1/4
590297	4.250	4.220	4.643	4.643	.125	4.503	7

# **PUSHROD GUIDE PLATES**

All Melling Select Performance guide plates are stamped from heat treated steel to reduce flexing and rocker arm side movement. They are black oxide coated to prevent rusting. Guide plates must be used with screw in rocker arm studs.

Part Number	Thickness	Style
MGP1004	5/16"	Flat
MGP1014	3/8"	Flat
MGP1024	3/8"	Raised
MGP1034	5/16"	Raised



Part Number	<b>Thickness</b>	Style
MGP1064	7/16"	Raised
MGP1074	3/8"	Raised

Part Number	Thickness	Style
MGP1084	5/16"	Flat
MGP1094	3/8"	Flat

Part Number	Thickness	Style
MGP1104	3/8"	Flat
MGP1114	5/16"	Flat

Part Number	Thickness	Style
MGP1124	3/8"	Raised
MGP1134	5/16"	Raised
	- / -	











# Camshaft Specifications CAUTION!!

1. Always install new lifters (followers) with a new camshaft. Installing used lifters with a new camshaft can cause premature failure of both the camshaft and the lifters.

2. Do not allow the engine to run under 1500 RPM for the first 20 minutes. The first few minutes of the engine operation are the most critical and tests have shown that if there is no metal pickup or spalling during this period, the camshaft will wear as long as the other engine components.

3. With performance camshafts - usually you will have to advance the distributor timing (on the vibration damper) more than stock specifications.

4. When installing any high performance or racing camshafts into an engine, check to make sure there is adequate clearance between the valves and pistons and also make sure the valve springs do not compress solid.

5. On all engines equipped with roto-coils or valve rotors in either the intake or exhaust positions check for possible coil bind. You might have to change the valve spring and retainer - (using aftermarket high performance valve springs is an alternative).

Listed below is a group classification for the custom (or high) performance camshafts listed in this catalog - (the durations shown are based on .050 cam lift). The descriptions within each group show the characteristics of the cams in that group as well as any recommended modifications to the car or engine that will help get the desired performance.

#### CLASS I (200° - 215°)

Good idle quality. Low RPM torque and mid range performance. Will work with stock or slightly modified engine. Manual or auto transmission.

#### CLASS II (215° - 230°)

Fair idle quality. Good low to mid range torque and horsepower. Will work with stock or modified engine. Manual or auto transmission. Possibly lower vacuum than stock.

#### CLASS III (230° - 245°)

Rough idle quality. Good mid to high RPM torque and horsepower. For use with manual or high stall auto transmission. May need improved carb, exhaust and ignition systems. Combination street and drag. Will have lower vacuum than stock.

#### **CLASS IV**

Rough idle quality. Mid to high RPM torque and horsepower. For serious racing. Need proper selection of rear axle ratio and improvements in carburation and exhaust systems. For use with manual transmission or automatic with a very high stall converter. Will not have enough vacuum for power accessories.

Melling Select Performance recommends using MELL-LUBE Engine Assembly Lube to prevent scoring or galling during engine start-up. MELL-LUBE also contains corrosion inhibitors to prevent rust and pitting to new engines. MELL-LUBE is not for use on cylinder walls or piston rings. MELL-LUBE now has 1,400 PPM zinc for better protection.

Use Intake Spec's Duration @ .050 Cam Lift	Approx. RPM Power Range	Approx. Peak Torque
<b>200</b> °	1000-4500	2500
210°	1500-5000	2800
220°	2000-5500	3000
<b>230</b> °	2500-6000	3500
<b>240</b> °	3000-6500	4000
<b>250°</b>	3500-7000	4500
<b>260</b> °	4000-7500	5000
270°	4500-8000	5500

# **CAMSHAFT SPECIFICATIONS**

_			SAE Specs@		_			
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
C-400-P	INT.	223	290	.298	.447	110	1.5	HYD.
CASC-2	EXH.	223	290	.298	.447	118	1.65	HYD.
UASU-2	INT. EXH.	203 203	292 292	.273 .273	.450	111	1.65	HYD HYD
CASC-3	INT.		292	.273	.450	111 113		HYD
UA30-3	EXH.	210	300	.236	.425	113		HYD
CASC-4	INT.	199	285	.266	.459	115	1.72	HYD.
0700-4	EXH.	203	281	.200	.473		1.72	HYD.
CASC-5	INT.	195	272	.240	.396	107	1.65	HYD.
0.1000	EXH.	198	269	.247	.408	115		HYD.
CCS-1	INT.	168	288	.210	.315		1.5	0.009
	EXH.	172	344	.224	.336	0		0.014
CCS-2	INT.	194	258	.260	.390	108		HYD.
	EXH.	202	269	.273	.409	116		HYD.
CCS-3	INT.	172	263	.222	.333	108		HYD.
	EXH.	172	262	.222	.333	108		HYD.
CCS-4	INT.	190	272	.229	.400	116	1.75	HYD
	EXH.	198	280	.235	.412	109		HYD
CCS-5	INT.	185		.271				HYD.
	EXH.	185		.271				HYD.
CCS-6	INT.	174		.222				HYD.
	EXH.	174	070	.222	405	110		HYD.
CCS-9	INT.	188	276	.232	.405	113		HYD.
CCS-12	EXH. INT.		276 288	.232 .210	.405	110		HYD. 0.009
005-12	EXH.	170	288	.210				0.009
CCS-16	INT.	170	268	.257	.351	102	1.3	HYD
000-10	EXH.	194	268	.257	.351	112	1.0	HYD
CCS-18	INT.	172	270	.221	.387	106	1.75	HYD
000 10	EXH.	172	270	.221	.387	100	1.70	HYD
CCS-20	INT.	196	270	234	.412	107		HYD
	EXH.	196	270	.234	.412	119		HYD
CCS-22	INT.	210	285	.259	.453	109		HYD
	EXH.	213	297	.259	.453	117		HYD
CCS-23	INT.	176	244	.234	.351	106	1.5	HYD
	EXH.	194	259	.257	.385	112		HYD
CCS-24	INT.	189	250	.248	.372	102		HYD
	EXH.	202	269	.273	.409	116		HYD
CCS-25	INT.	193	268	.234	.409	104	1.75	HYD
	EXH.	203	280	.253	.442	116		HYD
CCS-26	INT.	172	270	.222	.388	106		HYD
000.07	EXH.	190	276	.232	.406	98	4.5	HYD
CCS-27	INT.	176	244	.234	.351	108	1.5	HYD
CCS-30	EXH. INT.	<u> </u>	259	.257	.385	112 105		HYD HYD
003-30	EXH.	179	238 256	.231 .262	.346	105		HYD HYD
CCS-31	INT.	196	256	.262	.394 .399	109	1.7	HYD.
000-01	EXH.	193	269	.234 .234	.399	103	1.7	HYD.
CCS-32	INT.	185	203	.240	.385	112	1.6	HYD.
00002	EXH.	186	260	.240	.385	90	1.0	HYD.
CCS-33	INT.	196	256	.263	.394	108	1.5	HYD.
	EXH.	196	256	.263	.394	111		HYD.
CCS-34	INT.	196	256	.263		108		HYD.
	EXH.	196	256	.263		111		HYD.
CCS-35	INT.	176	244	.234	.350	108		HYD.
	EXH.	193	258	.257	.385	112		HYD.
CCS-36	INT.	178						HYD.
	EXH.	202						HYD.
CCS-37	INT.	202	269	.269	.404	115		HYD.

# CAMSHAFT SPECIFICATIONS (Cont.)

_			SAE Specs@	_	_	_		
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	207	271	.276	.415	114		HYD.
CCS-38	INT.	179	252	.234	.350	108		HYD.
	EXH.	195	262	.256	.385	112		HYD.
CCS-39	INT.	179	252	.233	.350	106		HYD.
	EXH.	194	260	.257	.385	112		HYD.
CCS-40	INT.	207	271	.274	.410	117		HYD.
	EXH.	214	280	.285	.427	117		HYD.
CCS-41	INT.	189	250	.248	.372	106		HYD.
	EXH.	203	269	.273	.410	116		HYD.
CCS-42	INT.	194	258	.260	.390	108		HYD.
	EXH.	194	258	.260	.390	111		HYD.
CFC-1	INT.	184	229	.240	.360	103		0.016
	EXH.	184	225	.239	.358	105		0.016
CFC-3	INT.	180	246	.233	.350	123		HYD.
	EXH.	180	246	.233	.350	90		HYD.
CLT-1	INT.	208	264	.273	.396		1.45	0.004
	EXH.	208	247	.273	.396	108		0.006
FOV-6	INT.	202	251	.273	.389	107	1.5	0.019
	EXH.	202	251	.273	.389	117		0.019
FOV-9	INT.	185	256	.244	.366	112		HYD.
	EXH.	185	256	.244	.366	103		HYD.
HSC-1	INT.	218		.270				0.006
	EXH.	223	298	.271				0.006
HSC-2	INT.	208	254	.256				0.012
	EXH.	214	262	.258				0.004
HSC-3	INT.	218		.270				HYD.
	EXH.	223	298	.271				HYD.
HSC-4	INT.	218		.270				HYD.
	EXH.	222		.271				HYD.
HSC-6	INT.	208		.256				0.004
	EXH.	214		.258				0.012
HSC-7	INT.	194	258	.221	.332			0.006
	EXH.	201	276	.218	.327			0.006
HSC-9	INT.	208		.226				0.008
	EXH.	210		.226				0.01
HSC-10	INT.	200		.222				0.011
	EXH.	219		.225				0.006
HSC-11	INT.	218		.267				0.011
	EXH.	225		.262				0.006
HSC-12	INT.	218		.267				0.006
	EXH.	225		.262				0.011
MC762	INT.	191	271	.259	.388	115		HYD.
	EXH.	191	271	.259	.388	115		HYD.
MC769	INT.	232		.292				.008
	EXH.	233		.292				.008
MC794	INT.	224		.259				.006
	EXH.	224		.259				.011
MC797	INT.	215		.242				.012
	EXH.	220		.242				.012
MC803	INT.	189		.250				.008
	EXH.	193		.256				.014
MC809	INT.	197	270	.265	.397	110		HYD.
	EXH.	197	270	.265	.397	114		HYD.
MC810	INT.	230		.293				HYD.
	EXH.	230		.293				HYD.
MC814	INT.	196	276	.246	.359	102	1.46	HYD.
	EXH.	200	294	.254	.370	117		HYD.
MC816	INT.	222		.281				HYD.
	EXH.	223		.283				HYD.

# CAMSHAFT SPECIFICATIONS (Cont.)

MC821     MC822     MC832     MC830     MC831     MC832     MC835     MC836     MC836     MC836     MC839     MC840     MC841	O           INT.           EXH.           INT.	Specs         ©         0.50 Cam Lift           pens         Closes         Duration           220         220           203         214           220         220           214         220           220         214           220         220           164         166           202/200         202           188         188           193         193           204         203           205         206	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration 240 254 254 254	Cam Lift .276 .276 .235 .250 .276 .276 .276 .212 .214 .375 .216 .216 .245 .245 .245	Gross Valve Lift .405 .431 .375 .375 .354 .354	Center Line C/L 120 104		Valve Lash Clearance HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
I MC821 I MC822 I MC822 I MC830 I MC830 I MC831 I MC831 I MC832 I MC835 I MC835 I MC836 I MC836 I MC836 I MC836 I MC839 I MC840 I MC840 I MC841 I MC84	EXH. INT. INT. EXH. INT.	220 203 214 220 220 164 166 202/200 202 200 202 188 188 188 188 193 193 193 193 204 203 206	254	.276 .235 .250 .276 .276 .212 .214 .375 .375 .216 .216 .245 .245	.431 .375 .375 .354		1	HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC821     MC822     MC830     MC830     MC831     MC832     MC835     MC836     MC836     MC839     MC840     MC841	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	203 214 220 220 164 166 202/200 202 200 202 188 188 188 193 193 193 193 204 203 206	254	.235 .250 .276 .276 .212 .214 .375 .375 .216 .216 .245 .245	.431 .375 .375 .354		1	HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
I MC822 I MC830 I MC830 I MC831 I MC831 I MC832 I MC835 I MC835 I MC836 I MC836 I MC839 I MC839 I MC840 I MC840 I MC841 I MC84	EXH. INT. INT. EXH. INT.	214 220 220 164 166 202/200 202 200 202 188 188 188 188 193 193 193 204 204 203 206	254	.250 .276 .276 .212 .214 .375 .375 .216 .216 .245 .245	.431 .375 .375 .354		1	HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC822     MC830     MC831     MC831     MC832     MC835     MC836     MC839     MC839     MC840     MC841	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	220 220 164 166 202/200 200 202 188 188 188 193 193 193 204 204 203 206	254	.276 .276 .212 .214 .375 .375 .216 .216 .245 .245	.375 .375 .354			HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC830     MC831     MC832     MC832     MC835     MC836     MC839     MC840     MC840	EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	220 164 166 202/200 202 200 202 188 188 188 193 193 193 204 203 206		.276 .212 .214 .375 .375 .216 .216 .245 .245	.375 .354			HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC830     MC831     MC832     MC832     MC835     MC836     MC839     MC839     MC840     MC841	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	164 166 202/200 202 188 188 188 193 193 193 204 203 206		.212 .214 .375 .375 .216 .216 .245 .245	.375 .354			HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC831   MC832   MC832   MC835   MC836   MC836   MC839   MC839   MC840   MC841	EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	166 202/200 202 188 188 193 193 193 204 203 206		.214 .375 .216 .216 .245 .245	.375 .354			HYD. HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC831     MC832     MC835     MC836     MC836     MC839     MC840     MC841	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	202/200 200 202 188 188 193 193 193 204 204 203 206		.375 .216 .216 .245 .245	.375 .354			HYD. HYD. HYD. HYD. HYD. HYD. HYD.
MC832     MC835     MC835     MC836     MC839     MC839     MC840     MC841	EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	200 202 188 188 193 193 193 204 204 203 206		.375 .216 .216 .245 .245	.375 .354			HYD. HYD. HYD. HYD. HYD.
MC832     MC835     MC836     MC836     MC839     MC840     MC841	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	202 188 188 193 193 204 203 206		.216 .216 .245 .245	.354		1.64	HYD. HYD. HYD. HYD.
MC835   MC836   MC836   MC839   MC839   MC840   MC841	EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	202 188 188 193 193 204 203 206		.216 .216 .245 .245	.354		1.64	HYD. HYD. HYD.
MC835                                     	INT. EXH. INT. EXH. INT. EXH. INT. EXH. INT. EXH.	188 188 193 193 204 203 206		.216 .216 .245 .245	.354		1.64	HYD. HYD.
MC836                                      	INT. EXH. INT. EXH. INT. EXH. INT. EXH.	193 193 204 203 206	254	.216 .245 .245	.354	104	-	HYD.
MC839   MC840   MC841	EXH. INT. EXH. INT. EXH. INT. EXH.	193 204 203 206		.245				HVD
MC839   MC840   MC841	INT. EXH. INT. EXH. INT. EXH.	204 203 206						IIID.
MC840 I MC841 I	EXH. INT. EXH. INT. EXH.	<u>203</u> 206		005				HYD.
MC840            	INT. EXH. INT. EXH.	206		.225				0.006
MC841 I	EXH. INT. EXH.			.225				0.01
MC841 I	INT. EXH.	000		.220				0.012
	EXH.			.220				0.012
,		205		.215				HYD.
		205		.214				HYD.
		219		0.278				HYD.
	EXH. INT.	220 204		0.280				HYD. HYD.
	EXH.	204 214		.224 .249				HYD.
	INT.	185	272	.245	.423	106	1.73	HYD.
	EXH.	203	288	.259	.447	114	1.70	HYD.
	INT.	193	279	.257	.444	108		HYD.
	EXH.	198	283	.264	.456	119		HYD.
	INT.	196		.220				HYD.
I	EXH.	208		.240				HYD.
	INT.						1	HYD.
	EXH.	212		.410	.410			HYD.
	INT.	192		.239				HYD.
	EXH.	192		.239				HYD.
	INT.	210		.265				HYD.
	EXH.	210		.265	-			HYD.
	INT. EXH.	217 219		.230 .230				0.006 0.01
	INT.	181	248	.248	.372	108	1.5	HYD
	EXH.	192	250	.267	.401	110	1.0	HYD
	INT.	185	200	.240	.415		1.73	HYD.
	EXH.	201		.241	.417			HYD.
	INT.	196	286	.260	.448	109		HYD.
J	EXH.	196	286	.259	.448	113		HYD.
MC1243 I	INT.	182		.246				HYD.
	EXH.	182		.246				HYD.
	INT.	197		.210				HYD.
	EXH.	208		.230				HYD.
	INT.	229		.291				HYD.
	EXH.	229		.291	400		1.0	HYD.
	INT.	188	294	.252	.403	111	1.6	HYD.
	EXH.	191	304	.255	.408	117		HYD.
	INT. EXH.	186 191	293 299	.250 .255	.400	109 117		HYD. HYD.
	INT.	181	299 284	.255	.408	117	-	HYD.
	EXH.	191	301	.252	.403	109		HYD.
	INT.	191	JUI	.255		103	-	HYD.

# CAMSHAFT SPECIFICATIONS (Cont.)

Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	SAE Specs@ (0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	191		.267				HYD.
MC1253	INT.	184	254	.258	.413	114		HYD.
	EXH.	193	267	.269	.430	110		HYD.
MC1254	INT.	186		.245				HYD.
	EXH.	186		.245				HYD.
MC1255	INT.	192		.248				HYD.
110/050	EXH.	190		.239				HYD.
MC1256	INT.	200	287	.260	.416	124		HYD.
MOIOFZ	EXH. INT.	200	287	.260	.416	<u>118</u> 110		HYD.
MC1257	EXH.	200 200	287 287	.260 .260	.416	118		HYD. HYD.
MC1258	INT.		207	.260	.416 .417	110		HYD.
10101200	EXH.	191	272	.261	.417	110		HYD. HYD.
MC1259	INT.	189	272	.261	.384	107	1.46	HYD.
101239	EXH.	206	299	.203	.304	107	1.40	HYD.
MC1260	INT.	184	299	.275	.402	106		HYD.
101200	EXH.	202	294	.275	.401	110		HYD.
MC1261	INT.		294 270	.275	.401	110	1.5	HYD.
101201	EXH.	191	270	.260	.390	110	1.5	HYD.
MC1262	INT.	205	270	.265	.398	113		HYD.
101202	EXH.	196	259	.265	.398	117	1.6	HYD.
MC1263	INT.	197	275	.270	.404	114	1.5	HYD.
MO 1200	EXH.	196	274	.263	.395	114	1.0	HYD.
MC1265	INT.	184	271	.256	.000			HYD.
MO I 200	EXH.	185		.256				HYD.
MC1266	INT.	189		.273				.008
11101200	EXH.	100						.000
MC1267	INT.							
11101201	EXH.	188		.273				0.010
MC1268	INT.	192	271	.248	.434	109	1.75	HYD
	EXH.	192	271	.248	.434	115		HYD
MC1269	INT.	191	266	.248	.434	109		HYD.
	EXH.	191	266	.248	.434	115		HYD.
MC1270	INT.	188	349	.248	.438	109		HYD
	EXH.	188	349	.248	.438	115		HYD
MC1271	INT.	216	250	.401	.401		1.0	HYD.
	EXH.	216	250	.401	.401			HYD.
MC1272	INT.	196		.273				0.009
	EXH.							
MC1273	INT.							
	EXH.	209		.299				0.013
MC1274	INT.	183	254	.251	.376	108	1.5	HYD.
	EXH.	193	264	.268	.402	114		HYD.
MC1275	INT.	208	277	.288	.432	121		HYD.
	EXH.	208	274	.293	.440	115		HYD.
MC1276	INT.	204	250	.297	.297	105	1	0.008
	EXH.				_	105		
MC1277	INT.	<b>a</b> a <i>t</i>					1.0	
110/070	EXH.	204	240	.297	.297	107		0.01
MC1278	INT.	191	282	.252	.403	114	1.6	HYD.
MC1070	EXH.	200	288	.260	.416	120		HYD.
MC1279	INT.	188		.259				HYD.
MC1000	EXH.	196		.259				HYD.
MC1280	INT.	188		.259				HYD.
MC1281	EXH. INT.			.259 .293				HYD. HYD.
	EXH.	230		.293 .293				HYD. HYD.
MC1283	INT.			.293				HYD. HYD.
1101203	EXH.	196		.267 .267				HYD. HYD.
	⊑∧П.	190		.207				IIID.

Part		Specs @ 0.50 Ca	m l ift		SAE Specs@ er Arm Bati	) o) Cam Lift	Cam	Gross	Center	Bocker	Valve Lash
No.		Opens Closes	Duration	Opens	Closes	Duration	Lift	Valve Lift			Clearance
MC1284	INT. EXH.	·	232 232				.293 .293				0.008 0.008
MC1285	INT. EXH.		232 232				.293 .293				0.008
MC1286	INT.		230				.293	-			HYD.
MC1287	EXH. INT.		230 196			274	.293 .275	.440	108		HYD. HYD.
IVIC1207	EXH.		208			274 296	.275	.440	112		HYD.
MC1288	INT. EXH.		186 197			273 283	.263 .279	.421 .447	118 113		HYD. HYD.
MC1289	INT.		197			203	.279	.397	113	1.46	HYD.
MC1290	EXH. INT.		<u>198</u> 194			283 258	.276 .260	.404 .390	117 109	1.5	HYD. HYD.
	EXH.		202			258 270	.200	.390	109		HYD.
MC1291	INT. EXH.		200 206			270 273	.248 .253	.421 .430	114 114	1.7	HYD. HYD.
MC1292	INT.		182			262	.258	.430	114	1.6	HYD.
MC1293	EXH. INT.		191 192			275	.258 .312	.413	112		HYD. .008
MC1293	EXH.		192				.312				.000
	EXH.		193				.315				.010
MC1295	INT. EXH.		174				.216				HYD. HYD.
MC1296	INT. EXH.		167				.204				HYD. HYD.
MC1297	INT. EXH.		188 192			256 260	.255 .259	.407 .415	100 115		HYD. HYD.
MC1298	INT. EXH.		208 208				.388 .388				.009 .011
MC1299	INT. EXH.		208 208				.388 .388				.009
MC1300	INT. EXH.		201 201 201				.334 .334				HYD. HYD.
MC1301	INT. EXH.		188 196				.259 .259				HYD. HYD.
MC1302	INT. EXH.		188 196				.259				HYD. HYD.
MC1303	INT.		198			265	.287	.430	116	1.5	HYD.
MC1304	EXH. INT.		198 197			265 263	.287 .272	.430 .409	110 113		HYD. HYD.
	EXH.		197			263	.272	.409	111		HYD.
MC1309	INT. EXH.		184 193			253 266	.258 .269	.387 .403	109 115		HYD. HYD.
MC1310	INT. EXH.		194				.290				.008
MC1311	INT. EXH.		200				0.296				0.008
MC1315	INT. EXH.		191 195			260 263	.276 .286	.415 .429	106 116		HYD. HYD.
MC1316	INT. EXH.		204 209			273 298	.282 .284	.480 .483	118 118	1.7	HYD. HYD.
MC1317	INT. EXH.		197 209			282 290	.292	.496	123 116		HYD. HYD.
MC1318	INT.		208			200	.389	. 100	110		0.009
MC1319	EXH. INT.		208 208				.389 .389			-	0.011 0.009
	EXH.		208			004	.389	44.4	100	4.5	0.011
MC1320	INT.		191			261	.276	.414	106	1.5	HYD.

					S	AE Specs	@					
Part No.		Spec Opens	s @ 0.50 Ca Closes	Duration	(0.06/Rocke Opens	er Arm Rat Closes	io) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.			194			263	.285	.428	116		HYD.
MC1328	INT.											
	EXH.											
MC1329	INT.							.350				
	EXH.											
MC1330	INT.											
101001	EXH.										_	
MC1331	INT.											
MC1004	EXH. INT.			100			251	.274	444	110		HYD.
MC1334	EXH.			188 194			251 271	.274 .278	.411 .417	116 107		HYD. HYD.
MC1335	INT.			202			268	.278	.417	116	_	HYD.
10101000	EXH.			202			200	.299	.450	117		HYD. HYD.
MC1336	INT.			208			271	.306	.460	117		HYD.
10100	EXH.			201			276	.306	.447	117		HYD.
MC1337	INT.			191			259	.276	.414	106		HYD.
101007	EXH.			195			263	.285	.428	116		HYD.
MC1338	INT.			100			200	.205	.+20	110		THD.
MO 1000	EXH.											
MC1339	INT.											
MO 1000	EXH.											
MC1344	INT.											
morori	EXH.											
MC1345	INT.											
	EXH.											
MC1351	INT.			185			262	.263	.395	111		HYD.
	EXH.			185			262	.263	.395	110		HYD.
MC1352	INT.											
	EXH.											
MC1353	INT.											
	EXH.											
MC1358	INT.											
	EXH.											
MC1359	INT.			186				.279				
	EXH.			190				.280				
MC1360	INT.											
	EXH.											
MC1361	INT.			214				.267				
	EXH.			210				.221			_	
MC1362	INT.			197			271	.272	.409	113		HYD.
	EXH.			197			271	.272	.409	112		HYD.
MC1364	INT.							0.1776				
N01005	EXH.			170				0.0170			_	
MC1365	INT.			176				0.3170				
MC1074	EXH. INT.			212				0.2897				
MC1374	EXH.											
MC1375	INT.											
WO 1070	EXH.											
MC1376	INT.			188				.255	0.408	110		HYD
	EXH.			190				.259	0.400	105		HYD
MC1377	INT.			188				.255	0.408	110		HYD
	EXH.			190				.259	0.414	105		HYD
MC1379	INT.											
	EXH.											
MC1382	INT.			.274			202					
	EXH.			.275			242					
MC1383	INT.			195			281	.273	.464	113	1.7	HYD.
	EXH.			208			291	.280	.476	118		HYD.

<b>_</b> .		• • • • • •			AE Specs@				• •		
Part No.		Specs @ 0.50 Ca Opens Closes	Duration	(0.06/Rocke Opens	er Arm Ratio Closes	b) Cam Lift Duration	Cam Lift	Gross Valve Lift			Valve Lash Clearance
MC1384	INT.		192			279	.268	.456	117		HYD.
500 /0	EXH.		190			281	.274	.466	110		HYD.
ROC-10	INT.		232			329	.296	.474	107	1.6	HYD.
	EXH.		232			329	.296	.474	119	4.5	HYD.
RVO-D	INT. EXH.		224 223			279 275	.288 .285	.431 .428	109 112	1.5	.017 .017
SBC-3	INT.		223			275	.265	.420	112	1.6	HYD
300-3	EXH.		207			284	.269	.430	112	1.0	HYD
SBC-4	INT.		194			204	.243	00	110	-	HYD.
0001	EXH.		226				.286				HYD.
SBC-5	INT.		191			276	.242	.387	109		HYD.
	EXH.		208			297	.252	.403	116		HYD.
SBC-8	INT.		194			272	.251	.391	112		HYD
	EXH.		194			283	.244	.401	112		HYD
SBC-11	INT.		172			241	.207	.331	105		HYD.
	EXH.		182			261	.216	.346	106		HYD.
SBC-12	INT.		180			250	.224	.358	104		HYD.
000 /5	EXH.		194			280	.240	.384	110		HYD.
SBC-13	INT.		195			272	.251	.401	112		HYD.
000.14	EXH.		194			280	.240	.384	110	_	HYD.
SBC-14	INT. EXH.		193 196			282 276	.250 .264	.400 .422	104 110		HYD. HYD.
SBC-15	INT.		190			276	.204	.422	104		HYD.
300-13	EXH.		194			280	.240	.384	110		HYD.
SBC-16	INT.		180			251	.224	.358	104		HYD.
000 10	EXH.		194			280	.240	.384	110		HYD.
SBOT-1	INT.		196			271	.251	.401	106	-	HYD.
	EXH.		196			271	.251	.401	112		HYD.
SDC-1	INT.		248				.276				
	EXH.		248				.276				
SDC-3	INT.		219				.289				.010
	EXH.		219				.289				.012
SDC-4	INT.		171				.222				0.014
000 5	EXH.		175				.232				0.014
SDC-5	INT. EXH.										
SDC-6	INT.		206			-	.233	-		-	HYD.
000-0	EXH.		205				.223				HYD.
SDC-7	INT.		226			-	.269			-	0.012
	EXH.		226				.269				0.012
SDC-8	INT.		227				.280				0.012
	EXH.		227				.280				0.012
SFP-2	INT.		196			268	.244	.400	129	1.64	HYD.
	EXH.		196			268	.244	.400	111		HYD.
SFP-4	INT.		202				.256				0.014
	EXH.		202				.256				0.016
SFP-5	INT.		192			236	.236				HYD.
	EXH.		206 188			226	.232	445		1.7	HYD.
SIH-1	INT. EXH.		180				.262 .236	.445 .400		1.7	HYD. HYD.
SIH-3	INT.		180			244	.265	.400	103		0.025
0110	EXH.		198			264	.265	.440	110		0.025
SIH-6	INT.		176			_~ '	.254		103		HYD
	EXH.		184				.253		105		HYD
SOC-9	INT.		187			276	.250	.400	106	1.6	HYD
	EXH.		200			290	.251	.401	112		HYD
SOC-10	INT.		180			256	.247	.395	106		HYD
	EXH.		187			276	.250	.400	112		HYD
SOC-12	INT.		172			248	.235	.376	100		HYD

_			SAE Specs@	_	_	_		
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	192	274	.235	.376	114		HYD
SOC-14	INT.	178	249	.247	.395	102		HYD
	EXH.	186	256	.251	.401	116		HYD
SPC-3	INT.	224	298	.271	.406	112	1.5	HYD
	EXH.	236	310	.271	.406	119		HYD
SPC-4	INT.	198	272	.270	.404	106		HYD
	EXH.	208	280	.272	.408	116		HYD
SPC-5	INT.	198	272	.270	.404	106		HYD
	EXH.	208	280	.272	.408	116	_	HYD
SPC-7	INT.	212	285	.272	.409	113		HYD
	EXH.	225	298	.271	.408	118		HYD
SPC-8	INT.	231	304	.313	.470	112		HYD
	EXH.	240	316	.313	.470	115		HYD
SPC-9	INT.	189	264	.243	.364	105		HYD
	EXH.	189	264	.243	.364	110		HYD
SPC-10	INT.	188	277	.232	.406	113	1.75	HYD
000.44	EXH.	188	277	.232	.406	110	4.5	HYD
SPC-11	INT.	181	256	.233	.349	108	1.5	HYD
000 /0	EXH.	181	256	.233	.349	104		HYD
SPC-12	INT.	209	292	.252	.378	115		HYD
000.40	EXH.	189	264	.243	.364	112	4 75	HYD
SPC-13	INT.	190	277	.232	.405	113	1.75	HYD
000.45	EXH.	190	277	.232	.405	110	1 70	HYD
SPC-15	INT.	202	247	.240	.413		1.72	HYD
SPC-16	EXH.		<u>221</u> 260	.239	.411 .432			HYD HYD.
3PC-10	INT.			.251				HYD.
SPC-17	EXH. INT.	223 188	266 276	.253	.435	113	1.75	HYD. HYD
3PC-17	EXH.	188	276	.231 .231	.406	110	1.75	HYD
SPC-18	INT.	188	276	.231	.406	113		HYD
51 0-10	EXH.	188	276	.231	.406	110		HYD
SPC-19	INT.	213	252	.262	.450	110	1.72	HYD
010-13	EXH.	213	252	.262	.451		1.72	HYD.
SPD-3	INT.	198	272	.270	.401	107	1.5	0.01
0100	EXH.	202	260	.275	.414	111	1.0	0.02
SPD-11	INT.	208	283	.287	.431	110		HYD
01011	EXH.	210	296	.286	.429	116		HYD
SPD-20	INT.	180	264	.248	.372	110		HYD
	EXH.	192	274	.266	.400	108		HYD
SPD-22	INT.	209	279	.286	.429	112		HYD
	EXH.	220	289	.296	.444	116		HYD
SPD-25	INT.	203	278	.273	.410	108		HYD
	EXH.	203	278	.273	.410	111		HYD
SPD-27	INT.	188	255	.252	.378	108		HYD
	EXH.	188	255	.252	.378	102		HYD
SPD-28	INT.	218	273	.243	.430		1.77	HYD
	EXH.	218	273	.243	.430			HYD
SPD-29	INT.	217	273	.243	.430	112		HYD
	EXH.	217	273	.243	.430	104		HYD
SPD-30	INT.	214	268	.243	.430			HYD.
	EXH.	214	268	.243	.430			HYD.
SPD-31	INT.	213	302	.298	.447	112	1.5	HYD
	EXH.	225	324	.306	.459	118	_	HYD
SPD-33	INT.	214	268	.243	.437		1.77	HYD.
000 0	EXH.	214	268	.243	.437			HYD.
SPD-34	INT.	194	267	.245	.434			HYD
000 4-	EXH.	190	264	.245	.433			HYD
SPD-35	INT.	194	267	.245	.434			HYD
	EXH.	190	264	.245	.434			HYD

			SAE Specs@					
Part No.		Specs @ 0.50 Cam Lift Opens Closes Duration	(0.06/Rocker Arm Ratio) Cam Lift Opens Closes Duration	Cam Lift	Gross Valve Lift		Arm Ratio	Valve Lash Clearance
SRC-5	INT. EXH.	196	263 263	.266 .266	.425 .425	109 112	1.6	HYD HYD
SRC-6	INT.	<u> </u>	203	.254	.425	109	1.5	HYD.
	EXH.	185	259	.254	.380	112	1.0	HYD.
SRC-8	INT.	191	262	.252	.377	113		HYD
	EXH.	191	262	.251	.377	115		HYD
SRC-9	INT.	196	270	.265	.424	109	1.6	HYD
	EXH.	196	270	.265	.424	115		HYD
SVW-1	INT.	224	254	.405	.405		1.0	0.01
011/0 4	EXH.	224	248	.405	.405			0.018
SWC-1	INT. EXH.	200		.220				0.018
SYB-2	INT.		258	.371 .262	.419	110	1.6	0.016 .019
010-2	EXH.	197	258	.262	.419	116	1.0	.019
SYB-8	INT.	186	270	.232	.394	108	1.7	HYD
	EXH.	186	270	.232	.394	113		HYD
SYB-9	INT.	187	261	.238	.380	103	1.6	HYD
	EXH.	187	261	.238	.380	113		HYD
SYB-13	INT.	186	272	.232	.405	110	1.75	HYD
	EXH.	186	272	.232	.405	116		HYD
SYB-16	INT.	193	283	.244	.426	110		HYD.
SYB-19	EXH. INT.			.244 .253	.426 .437	110 110	1.73	HYD. HYD.
310-19	EXH.	206	273 287	.255 .277	.437	116	1.73	HYD.
SYB-21	INT.	192	272	.247	.400	109		HYD.
010 21	EXH.	198	291	.250	.432	111		HYD.
SYB-22	INT.	192	274	.252	.442	108	1.75	HYD.
	EXH.	192	274	.252	.442	111		HYD.
SYB-23	INT.	192	273	.247	.432	113		HYD
	EXH.	199	281	.249	.435	111		HYD
SYB-24	INT.	194	270	.260	.416	103	1.6	HYD
SYB-25	EXH. INT.		270 293	.260 .230	.416 .368	112 114		HYD HYD.
310-20	EXH.	189	293	.230	.300	104		HYD.
SYB-26	INT.	183	258	.237	.380	104		HYD.
	EXH.	192	270	.247	.395	111		HYD
SYB-27	INT.	192	272	.247	.428	109	1.73	HYD.
	EXH.	198	291	.250	.432	111		HYD.
SYB-29	INT.	207	287	.278	.481	120		HYD.
0\/D 00	EXH.	221	307	.283	.489	110	1.0	HYD.
SYB-30	INT. EXH.	197 209	280 293	.260 .278	.416	114 114	1.6	HYD HYD
SYB-31	INT.		293	.276	.444 .370	114	1.65	HYD.
010-01	EXH.	193	275	.229	.377		1.00	HYD.
SYB-32	INT.	186	266	.240	.415	106	1.73	HYD.
	EXH.	201	275	.241	.417	114		HYD.
SYB-33	INT.	186	261	.240	.415	106		HYD.
	EXH.	201	275	.241	.416	114		HYD.
SYB-35	INT.	206	283	.278	.445	117	1.6	HYD
- 0)/5 - 00	EXH.	221	304	.283	.453	113		HYD
SYB-36	INT.	206	260	.263				0.014
SYB-37	EXH. INT.	206 187	254 246	.264 .238	.390	108	1.64	0.016 HYD.
010-07	EXH.	190	240 250	.238	.390	116	1.04	HYD.
SYB-38	INT.	190	270	.247	.395	108	1.6	HYD.
2.2.00	EXH.	192	270	.247	.395	114		HYD
SYB-39	INT.	200	269	.239	.395	108	1.65	HYD.
	EXH.	200	269	.239	.395	114		HYD.
SYB-40	INT.							

			SAE Specs	<b>D</b>					
Part		Specs @ 0.50 Cam Lift	(0.06/Rocker Arm Rati		Cam	Gross	Center		Valve Lash
No.		Opens Closes Duration	Opens Closes	Duration	Lift	Valve Lift	Line C/L	Arm Ratio	Clearance
0.0	EXH.	105		050					10/0
SYB-41	INT.	185		259	.225	.370			HYD.
	EXH.	193		275	.229	.377			HYD.
SYB-43	INT.	184		260	.237	.379	104	1.6	HYD.
0\/D 44	EXH.	192		272	.247	.395	111	4.05	HYD.
SYB-44	INT.	208		275	.265	.437		1.65	HYD.
	EXH.	208		275	.265	.437			HYD.
SYB-45	INT.	190			.240				HYD.
	EXH.	190			.240				HYD
SYB-46	INT.	190			.240				HYD.
	EXH.	190			.240	_			HYD.
SYB-47	INT.	190			.240				HYD.
SYB-48	EXH. INT.				.240				HYD. HYD.
31D-40	EXH.	202 190			.250 .239				HYD.
SYB-49	INT.	202			.239				HYD.
310-49	EXH.	202 202			.262				HYD.
SYB-50	INT.	198		287	.260	.416	110	1.6	HYD.
010-00	EXH.	198		287	.260	.416	118	1.0	HYD.
SYB-51	INT.	210		298	.278	.444	116	_	HYD.
010 01	EXH.	211		282	.278	.445	115		HYD.
TSC-1	INT.	212		244	.262	.380	110	1.45	0.008
100 1	EXH.	224		254	.264	.383		1.40	0.000
TSC-2	INT.			201	.201	.000			0.011
100 2	EXH.								
TSC-3	INT.								
	EXH.								
TSC-5	INT.	191			.197				.008
	EXH.	191			.197				.012
TSC-7	INT.	209			.221				HYD.
	EXH.								HYD.
TSC-8	INT.								HYD.
	EXH.								HYD.

#### **CAMSHAFT SPECIFICATIONS**

_		_				SAE Specs		_	_			
Part No.		Spe Opens	cs @ 0.50 Car Closes	n Lift Duration	(0.06/Rock Opens	er Arm Rati Closes	o) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
20402	INT.	10 BTC	44 ABC	234	42 BTC	84 ABC	306	.325	.520	107	1.6	HYD.
	EXH.	59 BBC	5 ATC	244	91 BBC	45 ATC	316	.339	.542	117		HYD.
21206	INT.	5 BTC	39 ABC	224	38 BTC	82 ABC	300	.310	.497	107		HYD.
	EXH.	49 BBC	-5 ATC	224	82 BBC	38 ATC	300	310	.497	117		HYD.
21300	INT.	10 BTC	44 ABC	234	42 BTC	84 ABC	306	.325	.520	107		HYD.
	EXH.	59 BBC	5 ATC	244	91 BBC	45 ATC	316	.339	.542	117		HYD.
22100	INT.	-11 BTC	23 ABC	192	22 BTC	69 ABC	271	.234	.398	107	1.7	HYD.
22107	EXH.	37 BBC	-14 ATC	203	70 BBC	31 ATC	281	.253	.430	117	15	HYD.
22107	INT. EXH.	-3 BTC	31 ABC -9 ATC	208	25 BTC	75 ABC	280	.272 .272	.408	107	1.5	HYD. HYD.
22108	INT.	37 BBC -12 BTC	-9 ATC 16 ABC	208 184	65 BBC 22 BTC	35 ATC 58 ABC	280 260	.272	.408 .367	113 104		HYD.
22100	EXH.	21 BBC	-7 ATC	104	54 BBC	36 ABC	200	.245 .265	.398	104		HYD.
22109	INT.	-7 BTC	21 ABC	194	26 BTC	64 ABC	270	.265	.398	104		HYD.
22103	EXH.	26 BBC	-2 ATC	204	58 BBC	40 ATC	278	.205	.421	104		HYD.
22110	INT.	-8 BTC	32 ABC	204	24 BTC	74 ABC	278	.280	.421	110		HYD.
22110	EXH.	37 BBC	-3 ATC	214	69 BBC	39 ATC	288	.295	.443	110		HYD.
22111	INT.	-10 BTC	24 ABC	194	23 BTC	67 ABC	270	.265	.398	107	_	HYD.
22111	EXH.	39 BBC	-15 ATC	204	71 BBC	27 ATC	278	.280	.421	117		HYD.
22113	INT.	-7 BTC	21 ABC	194	26 BTC	64 ABC	270	.265	.398	104		HYD.
22110	EXH.	26 BBC	-2 ATC	204	58 BBC	40 ATC	278	.280	.421	104		HYD.
22114	INT.	-2 BTC	30 ABC	208	32 BTC	68 ABC	280	.280	.420	106		HYD.
	EXH.	40 BBC	-12 ATC	208	74 BBC	26 ATC	280	.280	.420	116		HYD.
22115	INT.	-2 BTC	32 ABC	209	30 BTC	73 ABC	283	.290	.435	107		HYD.
	EXH.	45 BBC	-9 ATC	216	75 BBC	31 ATC	286	.303	.455	117		HYD.
22116	INT.	-18 BTC	28 ABC	190	26 BTC	71 ABC	277	.232	.406	113	1.75	HYD
	EXH.	25 BBC	-15 ATC	190	69 BBC	28 ATC	277	.232	.406	110		HYD
22117	INT.	-8 BTC	32 ABC	204	24 BTC	76 ABC	280	.253	.441	109		HYD.
	EXH.	36 BBC	-12 ATC	204	68 BBC	32 ATC	280	.253	.442	115		HYD.
22118	INT.	-17 BTC	29 ABC	192	32 BTC	78 ABC	290	.230	.403	113		HYD.
	EXH.	26 BBC	-14 ATC	192	75 BBC	35 ATC	290	.230	.403	110		HYD.
22119	INT.	-7 BTC	29 ABC	202	21 BTC	70 ABC	271	.269	.403	108	1.5	HYD.
	EXH.	41 BBC	-8 ATC	213	70 BBC	34 ATC	284	.273	.409	116		HYD.
22120	INT.	-7 BTC	29 ABC	202	21 BTC	70 ABC	271	.269	.403	108		HYD.
	EXH.	41 BBC	-8 ATC	213	70 BBC	34 ATC	284	.273	.409	116		HYD.
22121	INT.	-9 BTC	31 ABC	202	17 BTC	72 ABC	269	.269	.404	110		HYD.
	EXH.	37 BBC	-10 ATC	207	63 BBC	28 ATC	271	.276	.414	114		HYD.
22123	INT.	-10 BTC	33 ABC	203	18 BTC	73 ABC	271	.273	.410	111		HYD.
	EXH.		-7 ATC	214	69 BBC	36 ATC	285	.273	.410	115	_	HYD.
22124	INT.	-7 BTC	29 ABC	202	20 BTC	71 ABC	271	.267	.401	108		HYD.
	EXH.		-4 ATC	213	65 BBC	38 ATC	283	.273	.410	112		HYD.
22125	INT.	7 ATC	29 ABC	202	20 BTC	71 ABC	271	.267	.401	108		HYD.
	EXH.		4 BTC	213	65 BBC	38 ATC	283	.273	.410	112		HYD.
22126	INT.	-10 BTC	24 ABC	194	23 BTC	65 ABC	268	.265	.398	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	33 ATC	288	.294	.441	117	47	HYD.
22127	INT.	-12 BTC	22 ABC	190	17 BTC	64 ABC	261	.258	.438	106	1.7	HYD.
00100	EXH.	35 BBC	-13 ATC	202	62 BBC	30 ATC	272	.273	.465	114	4.5	HYD.
22128	INT. EXH.	-2 BTC	32 ABC	210	26 BTC 72 BBC	67 ABC 25 ATC	273	.319 .324	.478	107	1.5	HYD. HYD.
00100		44 BBC	-10 ATC	214			277		.487	117		
22129	INT. EXH.	-9 BTC 41 BBC	27 ABC -11 ATC	198 210	27 BTC 78 BBC	66 ABC 30 ATC	273 288	.289 .308	.434 .462	108 116		HYD HYD
22131	INT.	-14 BTC	41 ABC	210	14 BTC	77 ABC	288	.308	.462	110		HYD
22101	EXH.		-9 ATC	207 214	74 BBC	26 ATC	271 280	.273 .284	.410	117		HYD
22135	INT.	-000 0-	-9710	214		20 410	265	.204	.427	108		HYD
22100	EXH.			200			203	.313	.470	116		HYD
22136	INT.			214			274	.313	.490	106		HYD
22100	EXH.			215			310	.313	.470	114		HYD
22141	INT.			216			288	.295	.501	108	1.7	HYD
	EXH.			228			300	.300	.510	116		HYD
22200	INT.	1 BTC	42 ABC	223	30 BTC	80 ABC	290	.298	.447	110	1.5	HYD.
		1010	127,000	220	00 010	00 / 00	200	.200	. 177	110	1.0	IIID.

Devit		0		. 1 :4		AE Specs		0	0	0	Dealers	
Part No.		Opens	cs @ 0.50 Car Closes	n Lift Duration	(0.06/Rocke Opens	Closes	O) Cam Lift Duration	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	49 BBC	-6 BTC	223	78 BBC	32 ATC	290	.298	.447	118		HYD.
22201	INT.	1 BTC	42 ABC	223	31 BTC	80 ABC	291	.333	.566	110	1.7	HYD
-	EXH.	49 BBC	-6 ATC	223	79 BBC	32 ATC	291	.333	.566	118		HYD.
22203	INT.	0 BTC	34 ABC	214	32 BTC	76 ABC	288	.296	.444	107	1.5	HYD.
	EXH.	49 BBC	-5 ATC	224	81 BBC	37 ATC	298	.311	.466	117		HYD.
22204	INT.	-1 BTC	35 ABC	214	32 BTC	80 ABC	292	.296	.503	108	1.7	HYD.
	EXH.	48 BBC	-4 BTC	224	82 BBC	40 ATC	302	.311	.528	116	_	HYD.
22210	INT.	-3 BTC	47 ABC	224	27 BTC	84 ABC	291	.300	.450	114	1.5	HYD.
	EXH.	46 BBC	-2 ATC	224	75 BBC	32 ATC	287	.307	.460	114		HYD.
22213	INT.	0 BTC	34 ABC	214	31 BTC	76 ABC	287	.296	.444	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	32 ATC	287	.296	.444	117		HYD.
22214	INT.	-2 BTC	36 ABC	214	32 BTC	81 ABC	293	.296	.503	109	1.7	HYD.
	EXH.	46 BBC	-12 ATC	214	80 BBC	33 ATC	293	.296	.503	119		HYD.
22215	INT.	1 BTC	37 ATC	218	32 BTC	83 ABC	295	.286	.429	108	1.5	HYD.
	EXH.	41 BBC	-3 ATC	218	72 BBC	43 ATC	295	.286	.429	112	4 70	HYD.
22216	INT.	-4 BBC	38 ABC	214	29 BTC	81 ABC	290	.270	.476	110	1.76	HYD.
00017	EXH.	49 BBC	-11 ATC	218	86 BBC	37 ATC	303	.282	.496	120	47	HYD.
22217	INT.	-4 BTC	39 ABC	214	28 BTC	81 ABC	289	.270	.460	110	1.7	HYD.
00010	EXH.	49 BBC	-10 ATC	218	86 BBC	36 ATC	301	.282	.479	120		HYD.
22218	INT.	-4 BTC	38 ABC	214	28 BTC	81 ABC	289	.270	.460	110		HYD.
00010	EXH.	49 BBC	-11 ATC 47 ABC	218	86 BBC 29 BTC	36 ATC	301 294	.282	.479	120 114		HYD. HYD.
22219	INT.	-3 BTC 48 BBC		224 224		85 ABC		.300 .300	.510			HYD. HYD.
22220	EXH. INT.	-3 BTC	-4 ATC 47 ABC	224	80 BBC 28 BTC	34 ATC 85 ABC	294 293	.300	.510 .510	<u>117</u> 114		HYD.
22220	EXH.	-3 BTC 48 BBC	-4 ATC	224 224	79 BBC	34 ATC	293	.300	.510	114		HYD.
22221	INT.	-8 BTC	25 ABC	197	19 BBC	62 ABC	293	.300	.433	105	1.5	HYD.
22221	EXH.	36 BBC	-10 ATC	206	64 BBC	32 ABC	201	.209	.450	105	1.5	HYD
22222	INT.	-9 BTC	31 ABC	200	27 BTC	71 ABC	278	.269	.403	108		HYD
	EXH.	40 BBC	-6 ATC	202	75 BBC	39 ATC	294	.203	.403	116		HYD
22223	INT.	0 BTC	44 ABC	224	37 BTC	79 ABC	296	.284	.483	113	1.7	Hyd
LLLLO	EXH.	51 BBC	-7 ATC	224	88 BBC	28 ATC	296	.284	.483	118	1.7	Hyd
22230	INT.	2 BTC	32 ABC	214	34 BTC	74 ABC	287	.296	.444	105	1.5	HYD
22200	EXH.	42 BBC	-8 ATC	214	74 BBC	34 ATC	287	.296	.444	115		HYD
22232	INT.	4 BTC	36 ABC	220	46 BTC	78 ABC	304	.312	.468	106		HYD
0_	EXH.	49 BBC	2 ATC	231	73 BBC	34 ATC	287	.320	.480	114		HYD
22233	INT.	5 BTC	39 ABC	224	43 BTC	77 ABC	300	.291	.436	107		HYD
	EXH.	41 BBC	3 ATC	224	79 BBC	41 ATC	300	.291	.436	109		HYD
22234	INT.	7 BTC	37 ABC	224	34 BTC	69 ABC	283	.320	.480	107		HYD
	EXH.	51 BBC	-1 ATC	230	78 BBC	33 ATC	291	.324	.486	113		HYD
22235	INT.			224			224	.310	.465	112		HYD
	EXH.			224			224	.310	.465	112		HYD
22236	INT.			224			296	.310	.527	106	1.7	HYD
	EXH.			234			308	.320	.544	114		HYD
22237	INT.			215			284	.313	.470	108	1.5	HYD
	EXH.			224			296	.327	.490	116		HYD
22238	INT.			215			284	.313	.470	106		HYD
	EXH.			215			284	.313	.470	114		HYD
22280	INT.			220			283	.330	.495	107		HYD
	EXH.			224			287	.335	.502	113		HYD
22296	INT.	0 BTC	42 ABC	222	33 BTC	94 ABC	310	.294	.500	110	1.7	HYD.
	EXH.	57 BBC	-2 ATC	235	100 BBC	45 ATC	325	.297	.505	120		HYD.
22297	INT.	0 BTC	36 ABC	216	36 BTC	72 ABC	288	.295	.502	108		HYD
	EXH.	50 BBC	-2 ATC	228	86 BBC	34 ATC	300	.300	.510	116		HYD
22298	INT.	2 BTC	40 ABC	222	36 BTC	81 ABC	297	.319	.478	109	1.5	HYD
	EXH.	55 BBC	-3 ATC	232	89 BBC	38 ATC	307	.334	.501	119		HYD
22301	INT.	10 BTC	42 ABC	232	34 BTC	74 ABC	288	.320	.480	106		HYD.
	EXH.	46 BBC	6 ATC	232	70 BBC	38 ATC	288	.320	.480	110	. =	HYD.
22302	INT.	9 BTC	41 ABC	230	42 BTC	87 ABC	309	.302	.513	106	1.7	HYD.
	EXH.	49 BBC	1 ATC	230	82 BBC	47 ATC	309	.302	.513	114		HYD.

_		_				AE Specs		_	_			
Part No.		Spec Opens	s @ 0.50 Car Closes	m Lift Duration	(0.06/Rock Opens	er Arm Rati Closes	<ul> <li>o) Cam Lift Duration</li> </ul>	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash
22303	INT.	5 BTC	39 ABC	224	37 BTC	81 ABC	298	.311	.466	107	1.5	HYD.
	EXH.	54 BBC	0 ATC	234	85 BBC	39 ATC	304	.325	.488	117		HYD.
22305	INT.	10 BTC	44 ABC	234	41 BTC	82 ABC	303	.325	.488	107		HYD.
	EXH.	59 BBC	5 ATC	244	90 BBC	43 ATC	313	.339	.508	117		HYD.
22306	INT.	2 BTC	42 ABC	224	36 BTC	86 ABC	302	.311	.528	110	1.7	HYD.
	EXH.	55 BBC	-1 ATC	234	88 BBC	40 ATC	308	.325	.552	118	4.5	HYD.
22320	INT.	3 BTC	47 ABC	230	34 BTC	90 ABC	304	.302	.453	112	1.5	HYD.
22396	EXH. INT.	51 BBC 12 BTC	-1 ATC 50 ABC	230 242	82 BBC 42 BTC	42 ATC 88 ABC	304 310	.302 .306	.453 .520	116 108	1.7	HYD. .020
22396	EXH.	60 BBC	2 ATC	242 242	42 BTC 84 BBC	33 ATC	297	.306	.520	108	1.7	.020 .024
22397	INT.	10 BTC	44 ABC	234	37 BTC	79 ABC	297	.358	.538	120	1.5	HYD
22007	EXH.	56 BBC	2 ATC	238	83 BBC	37 ATC	300	.364	.546	117	1.5	HYD
22398	INT.	10 BTC	44 ABC	234	37 BTC	79 ABC	296	.358	.538	107		HYD
LLOUD	EXH.	56 BBC	2 ATC	238	83 BBC	37 ATC	300	.364	.546	117		HYD
22400	INT.	19 BTC	58 ABC	257	40 BTC	84 ABC	304	.329	.494	108		.022
	EXH.	70 BBC	20 ATC	270	91 BBC	49 ATC	320	.341	.512	116		.024
22401	INT.	15 BTC	49 ABC	244	46 BTC	87 ABC	313	.339	.508	107		HYD.
	EXH.	63 BBC	11 ATC	254	95 BBC	53 ATC	328	.355	.533	117		HYD.
22402	INT.	16 BTC	44 ABC	240	37 BTC	67 ABC	282	.347	.521	104		.024
	EXH.	52 BBC	18 ATC	250	72 BBC	38 ATC	290	.347	.521	108		.024
22404	INT.	30 BTC	48 ABC	258	46 BTC	64 ABC	290	.358	.538	99		.026
	EXH.	64 BBC	22 ATC	266	80 BBC	38 ATC	298	.371	.556	111		.026
22407	INT.	16 BTC	54 ABC	250	39 BTC	82 ABC	301	.339	.576	108	1.7	.022
	EXH.	64 BBC	16 ATC	261	82 BBC	42 ATC	304	.376	.639	116		.026
22410	INT.	16 BTC	58 ABC	254	35 BTC	79 ABC	294	.323	.484	110	1.5	.030
	EXH.	64 BBC	10 ATC	254	83 BBC	31 ATC	294	.323	.484	118		.030
22427	INT.	22 BTC	62 ABC	264	46 BTC	96 ABC	322	.329	.559	108	1.7	.022
	EXH.	70 BBC	20 ATC	270	92 BBC	50 ATC	322	.341	.580	116	4.5	.026
22450	INT.	21 BTC	61 ABC	262	42 BTC	87 ABC	309	.341	.512	108	1.5	.022
00400	EXH.	71 BBC	22 ATC	273	90 BBC	48 ATC	318	.357	.536	116		.024
22460	INT. EXH.	17 BTC 55 BBC	49 ABC	246	45 BTC 83 BBC	77 ABC	302 302	.339 .339	.508	106 112		HYD HYD
22471	INT.	10 BTC	11 ATC 50 ABC	246 240	41 BTC	39 ATC 84 ABC	302	.339	.508 .559	112	1.7	HYD
22471	EXH.	57 BBC	9 ATC	240 246	87 BBC	44 ATC	305	.329	.559	114	1.7	HYD
22472	INT.	6 BTC	51 ABC	240	49 BTC	106 ABC	335	.368	.626	109		HYD
22712	EXH.	54 BBC	11 ATC	245	92 BBC	37 ATC	329	.376	.639	115		HYD
22480	INT.	12 BTC	49 ABC	241	41 BTC	84 BBC	305	.329	.559	110	-	HYD
22.00	EXH.		9 ATC	246	87 BBC	43 ATC	310	.337	.572	114		HYD
22485	INT.	12 BTC	44 ABC	236	52 BTC	84 ABC	316	.330	.561	106		HYD
	EXH.	57 BBC	9 ATC	246	96 BBC	48 ATC	324	.340	.578	114		HYD
23103	INT.	-15 BTC	33 ABC	198	16 BTC	82 ABC	278	.273	.410	114	1.5	HYD.
	EXH.	27 BBC	-8 ATC	199	61 BBC	41 ATC	282	.274	.412	108		HYD.
23104	INT.	15 ATC	33 ABC	198	16 BTC	82 ABC	278	.273	.410	114		HYD.
	EXH.	27 BBC	8 BTC	199	61 BBC	41 ATC	282	.274	.411	108		HYD.
23203	INT.	-1 BTC	35 ABC	214	31 BTC	77 ABC	288	.296	.444	108		HYD.
	EXH.	48 BBC	-4 ATC	224	80 BBC	38 ATC	298	.311	.466	116		HYD.
23204	INT.	0 BTC	34 ABC	214	32 BTC	76 ATC	288	.295	.443	107		HYD.
	EXH.	49 BBC	-5 ATC	224	81 BBC	37 ATC	298	.301	.452	117		HYD.
23302	INT.	10 BTC	46 ABC	236	43 BTC	79 BTC	302	.320	.480	108		HYD.
	EXH.	46 BBC	10 ATC	236	79 BBC	43 ATC	302	.320	.480	108	_	HYD.
23321	INT.			242			329		.476	106		HYD.
00404	EXH.		50 4 50	242	40.070	00 4 5 0	329	0.17	.476	106	_	HYD.
23401	INT.	12 BTC	50 ABC	242	42 BTC	90 ABC	311	.347	.521	108		HYD.
04400	EXH.	54 BBC	18 ATC	253	86 BBC	56 ATC	322	.367	.551	110	10	HYD.
24106	INT.	-12 BTC	16 ABC	184	18 BTC	61 ABC	258	.238	.380	103	1.6	HYD.
04107	EXH.		-16 ATC	192	59 BBC	32 ATC	270	.247	.396	111		HYD.
24107	INT.	-15 BTC	32 ABC	197	18 BTC	82 ABC	280	.260	.416	114 114		HYD.
24108	EXH. INT.	38 BBC -12 BTC	-9 ATC 22 ABC	209 190	71 BBC 16 BTC	42 ATC 62 ABC	293 258	.278 0.257	.444 0.412	114 106		HYD. HYD.
24100	INT.	12010		190	10 010	UZ ADU	200	0.201	0.412	100		THD.

						AE Specs@						
Part No.		Spec Opens	s @ 0.50 Car Closes	n Lift Duration	(0.06/Rocke Opens	r Arm Rati Closes	<ul> <li>o) Cam Lift Duration</li> </ul>	Cam Lift	Gross Valve Lift	Center Line C/L		Valve Lash Clearance
	EXH.	35 BBC	-13 ATC	202	62 BBC	29 ATC	271	0.273	0.437	114		HYD.
24110	INT.			210			298	.278	.444	116		HYD
	EXH.			211			282	.278	.444	115		HYD
24111	INT.	-3 BTC	31 ABC	208	33 BTC	71 ABC	284	.280	.485	107	1.73	HYD.
	EXH.	39 BBC	-11 ATC	208	75 BBC	29 ATC	284	.280	.485	115		HYD.
24203	INT.	-1 BTC	35 ABC	214	30 BTC	78 ABC	288	.295	.473	108	1.6	HYD.
	EXH.	48 BBC	-4 ATC	224	81 BBC	39 ATC	300	.310	.497	116		HYD.
24204	INT.	1 BTC	33 ABC	214	34 BTC	78 ABC	292	.295	.511	106	1.73	HYD.
	EXH.	50 BBC	-6 ATC	224	84 BBC	38 ATC	302	.310	.537	118		HYD.
24205	INT.	0 BDC	34 ABC	214	34 BTC	78 ABC	292	.295	.511	104		HYD.
	EXH.	49 BBC	-5 ATC	224	83 BBC	39 ATC	302	.310	.537	120		HYD.
24206	INT.	0 BTC	34 ABC	214	33 BTC	79 ABC	292	.296	.511	107		HYD.
	EXH.	49 BBC	-5 ATC	224	83 BBC	39 ATC	302	.310	.544	117		HYD.
24209	INT.	13 ATC	40 ABC	207	17 BTC	85 ABC	282	.278	.445	117	1.6	HYD.
	EXH.	47 BBC	6 BTC	221	83 BBC	41 ATC	304	.283	.453	113		HYD.
24210	INT.	5 BTC	39 ABC	224	38 BTC	82 ABC	300	.310	.497	107		HYD.
	EXH.	54 BBC		234	86 BBC	40 ATC	306	.325	.520	117		HYD.
24211	INT.	5 BTC	39 ABC	224	38 BTC	82 ABC	300	.310	.497	107		HYD.
	EXH.	54 BBC		234	86 BBC	40 ATC	306	.325	.520	117		HYD.
24212	INT.	3 BTC	35 ABC	218	38 BTC	82 ABC	297	.286	.458	106		HYD.
	EXH.	49 BBC	-11 ATC	218	81 BBC	36 ATC	297	.286	.457	120		HYD.
24213	INT.	-1 BTC	37 ABC	216	38 BTC	90 ABC	308	.285	.493	109	1.73	HYD.
	EXH.	50 BBC	-10 ATC	220	89 BBC	43 ATC	312	.290	.502	120		HYD.
24214	INT.			219			285	.311	.498	110	1.6	HYD
	EXH.			219			285	.311	.498	110		HYD
24218	INT.	3 BTC	41 ABC	224	37 BTC	98 ABC	315	.292	.506	109	1.73	HYD.
	EXH.	47 BBC	-3 ATC	224	81 BBC	54 ATC	315	.292	.506	115		HYD.
24224	INT.	1 BTC	38 ABC	219	42 BTC	88 ABC	310	.292	.505	108		HYD.
	EXH.	49 BBC	-10 ATC	219	90 BBC	40 ATC	310	.292	.505	120		HYD.
24225	INT.	2 BTC	37 ABC	219	42 BTC	86 ABC	308	.292	.467	107	1.6	HYD.
	EXH.	48 BBC	9 ATC	219	88 ABC	40 ATC	308	.292	.467	119		HYD.
24226	INT.	-3 BTC	35 ABC	212	33 BTC	76 ABC	289	.307	.491	107		HYD.
	EXH.	49 BBC	-7 ATC	222	84 BBC	36 ATC	300	.318	.509	117		HYD.
24227	INT.	5 BTC	37 ABC	222	40 BTC	80 ABC	300	.318	.509	107		HYD.
	EXH.	55 BBC	-3 ATC	232	90 BBC	39 ATC	309	.332	.532	117		HYD.
24280	INT.	1 BTC	39 ABC	220	29 BTC	76 ABC	286	.320	.512	109		HYD.
	EXH.	46 BBC	-3 ATC	223	76 BBC	36 ATC	292	.320	.512	115		HYD.
24301	INT.	9 BTC	42 ABC	231	34 BTC	74 ABC	288	.320	.512	106		HYD.
	EXH.	49 BBC	2 ATC	231	74 BBC	34 ATC	288	.320	.512	114		HYD.
24302	INT.	7 BTC	43 ABC	230	39 BTC	85 ABC	304	.320	.554	107	1.73	HYD.
	EXH.	45 BBC	5 ATC	230	77 BBC	47 ATC	304	.320	.554	111		HYD.
24303	INT.	5 BTC	39 ABC	224	39 BTC	82 ABC	302	.311	.538	107		HYD.
	EXH.	54 BBC		234	87 BBC	41 ATC	308	.325	.562	117		HYD.
24305	INT.	6 BTC	41 ABC	227	37 BTC	81 ABC	298	.325	.520	107	1.6	HYD
	EXH.	54 BBC		234	85 BBC	37 ATC	302	.325	.520	117		HYD
24401	INT.	17 BTC	47 ABC	244	40 BTC	72 ABC	292	.329	.569	104	1.73	.026
	EXH.	54 BBC	20 ATC	254	79 BBC	42 ATC	301	.341	.589	108		.026
24406	INT.	15 BTC	49 ABC	244	40 BTC	74 ABC	294	.340	.588	107		.026
	EXH.	63 BBC	11 ATC	254	88 BBC	36 ATC	304	.355	.614	117		.026
25211	INT.	1 BTC	33 ABC	214	33 BTC	76 ABC	289	.296	.473	106	1.6	HYD.
	EXH.	50 BBC	-6 BTC	224	83 BBC	37 ATC	300	.310	.497	118		HYD.
25309	INT.	12 BTC	52 ABC	244	42 BTC	92 ABC	314	0.297	0.475	110		HYD.
	EXH.	52 BBC	12 ATC	244	82 BBC	52 ATC	314	0.297	0.475	110		HYD.
25310	INT.	9 BTC	43 ABC	232	48 BTC	101 ABC	329	0.296	.474	112		HYD
	EXH.	55 BBC	-3 ATC	232	94 BBC	55 ATC	329	0.296	.474	114		HYD
26204	INT.	-1 BTC	35 ABC	214	31 BTC	76 ABC	288	.296	.443	108	1.5	HYD.
	EXH.	48 BBC	-4 BTC	224	80 BBC	38 ATC	298	.311	.466	116		HYD.
26303	INT.	0 BTC	44 ABC	224	32 BTC	86 ATC	298	0.271	.407	112		HYD.
20303				236	87 BBC	43 ATC	310	0.271	.407	119		HYD.

	SAE Specs@ Part Specs @ 0.50 Cam Lift (0.06/Rocker Arm Ratio) Cam Lift Cam Gross Center Rocker Valve Lash											
Part			s @ 0.50 Ca					Cam	Gross	Center		Valve Lash
No.		Opens	Closes	Duration	Opens	Closes	Duration	Lift	Valve Lift		Arm Ratio	Clearance
26308	INT.	3 BTC	48 ABC	231	36 BTC	88 ABC	304	.313	.470	112		HYD.
	EXH.	54 BBC	6 ATC	240	87 BBC	49 ATC	316	.131	.470	115	4 50	HYD.
27101	INT.	2 BTC	32 ABC	214	0 BTC			.267	.417	105	1.56	.012
27201	EXH.	47 BBC 7 BTC	-3 ATC 37 ABC	224	0 BTC			.275	.429 .429	115 105		.012
27201	INT.			224	UBIC			.275 .283				
C 410 D	EXH.	52 BBC -3 BTC	2 ATC 47 ABC	234 224	27 BTC	84 ABC	291	.283	.441 .450	115 114	1.5	.012 HYD.
C-410-P	INT. EXH.	-3 BTC 46 BBC	47 ABC -2 ATC	224 224	27 BTC 75 BBC	84 ABC 32 ATC	291 287	.300	.450	114	1.5	HYD. HYD.
CCR-9	INT.	40 DDC	-2 ATC	224	75 DDC	32 ATU	207	.263	.400	114		
00n-9	EXH.						268	.263				
MC1244	INT.			182			200	.203				HYD.
101244	EXH.			182				.246				HYD.
MTA-1	INT.	-3 ATC	27 ABC	204	30 BTC	70 ABC	280	.280	.449	105	1.6	HYD.
	EXH.	42 BBC	-8 ATC	214	74 BBC	35 ATC	289	.296	.473	115	1.0	HYD.
MTB-1	INT.	-10 BTC	34 ABC	204	23 BTC	77 ABC	280	.280	.449	112		HYD.
	EXH.	39 BBC	-5 ATC	214	72 BBC	38 ATC	290	.296	.473	112		HYD.
MTB-2	INT.	-12 ATC	26 ABC	194	22 BTC	70 ABC	272	.265	.424	109		HYD.
	EXH.	41 BBC	-17 ATC	204	74 BBC	26 ATC	280	.280	.449	119		HYD.
MTC-1	INT.	-5 ATC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107	1.5	HYD.
	EXH.	44 BBC	-10 ATC	214	76 BBC	32 ATC	288	.296	.444	117		HYD.
MTC-5	INT.	-5 BTC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107		HYD.
	EXH.	44 BBC	-10 ATC	214	76 BBC	32 ATC	288	.295	.443	117		HYD.
MTC-6	INT.	-6 BTC	30 ABC	204	36 BTC	72 ABC	288	.270	.459	108	1.7	HYD.
	EXH.	40 BBC	-12 ATC	208	86 BBC	32 ATC	298	.270	.459	116		HYD.
MTD-1	INT.	-6 BTC	30 ABC	204	26 BTC	72 ABC	278	.280	.421	108	1.5	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	33 ATC	288	.295	.443	116		HYD.
MTD-2	INT.	-5 BTC	29 ABC	204	27 BTC	71 ABC	278	.280	.421	107		HYD.
	EXH.	44 BBC	-10 ATC	214	75 BBC	33 ATC	288	.295	.443	117		HYD.
MTF-1	INT.	-6 BTC	30 ABC	204	27 BTC	73 ABC	280	.280	.449	108	1.6	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	34 ATC	289	.295	.473	116		HYD.
MTF-2	INT.	-4 BTC	28 ABC	204	30 BTC	72 ABC	282	.280	.485	106	1.73	HYD.
	EXH.	45 BBC	-11 ATC	214	78 BBC	34 ATC	292	.295	.511	118		HYD.
MTF-3	INT.	-5 BTC	29 ABC	204	29 BTC	73 ABC	282	.280	.485	107		HYD.
	EXH.	44 BBC	-10 ATC	214	77 BBC	35 ATC	292	.295	.512	117	_	HYD.
MTF-4	INT.	-5 BTC	29 ABC	204	29 BTC	73 ABC	282	.280	.485	104		HYD.
	EXH.	44 BBC	-10 ATC	214	78 BBC	34 ATC	292	.295	.511	120		HYD.
MTF-5	INT.	-5 BTC	29 ABC	204	28 BTC	72 ABC	280	.280	.449	107	1.6	HYD.
	EXH.	44 BBC	-10 ATC	214	77 BBC	33 ATC	290	.295	.473	117		HYD.
MTF-6	INT.	-4 BTC	28 ABC	204	29 BTC	71 ABC	280	.281	.449	106		HYD.
	EXH.	41 BBC	-7 ATC	214	73 BBC	36 ATC	289	.296	.473	114		HYD.
MTO-1	INT.	-4 BTC	29 ABC	204	28 BTC	71 ABC	280	.280	.449	106		HYD.
	EXH.	45 BBC	-11 ATC	214	77 BBC	32 ATC	289	.295	.473	118	_	HYD.
MTP-1	INT.	-6 BTC	30 ABC	204	26 BTC	72 ABC	278	.280	.421	108	1.5	HYD.
	EXH.	43 BBC	-9 ATC	214	75 BBC	33 ATC	288	.295	.443	116		HYD.

### NUMERICAL LISTING

#### ABBREVIATIONS USED TO INDICATE CAR AND TRUCK MANUFACTURERS

ACUR:	ACURA	JAGU:	JAGUAR
ALFA:	ALFA ROMEO	JEEP:	JEEP
ALLT:	ALLIS CHALMERS LIFT TRUCK	JOHN:	JOHN DEERE TRACTOR
ALTR:	ALLIS CHALMERS TRACTOR	KAIS:	KAISER
AMC:	AMERICAN MOTORS	KIA:	ΚΙΑ
AMC:	PERFORMANCE - AMERICAN MOTORS & JEEP	LEXU:	LEXUS
AUDI:	AUDI	MAZD:	MAZDA
AUS:	AUSTIN	MENZ:	MERCEDES BENZ
BMW:	BMW	MERC:	MERCURY (INC. LINCOLN)
BUIC:	BUICK	MERC:	MERCURY MARINE
BUIC:	PERFORMANCE - BUICK	MGGB:	MG
CADL:	CADILLAC	MINN:	
CASE:	CASE TRACTOR	MITS:	MITSUBISHI
CASE:	CATERPILLAR	NISS:	NISSAN/DATSUN
-	-		
CHEV:		NISS:	
CHEV:	PERFORMANCE - CHEVROLET CARS & TRUCKS	OLDS:	
CHYL:	CHRYSLER	OLDS:	
CHYL:	PERFORMANCE - CHRYSLER PRODUCTS	OLTR:	OLIVER TRACTOR
CHYL:	CHRYSLER MARINE	OMC:	OMC
CHYU:	CHRYLSER-INDUSTRIAL	OPEL:	OPEL
CONT:	CONTINENTAL	PERK:	PERKINS
CUMM:	CUMMINS	PEUG:	PEUGEOT
DAEW:	DAEWOO	PLYM:	PLYMOUTH
DAIH:	DAIHATSU	PONT:	PONTIAC
DESO:	DESOTO	PONT:	PERFORMANCE - PONTIAC
DETD:	DETROIT DIESEL	PORS:	PORSCHE
DODG:	DODGE	RENL:	RENAULT
DODT:	DODGE TRUCK	REO:	REO
EAGL:	EAGLE	ROVE:	ROVER
FIAT:	FIAT	SAAB:	SAAB
FORD:	FORD	SATU:	SATURN
FORD:	PERFORMANCE - FORD PRODUCTS & TRUCKS	SCI:	SCION
FORD:	FORD MARINE	STUD:	STUDEBAKER
FOTR:	FORD TRUCK	SUBU:	SUBARU
FOTT:	FORD TRACTOR	SUZI:	SUZUKI
FOTU:	FORD INDUSTRIAL	τογ:	SPORT COMPACT PERFORMANCE - TOYOTA
GMC:	GMC/CHEVY TRUCKS		CARS & TRUCKS
HENR:	HENRY-J	TOYO:	ΤΟΥΟΤΑ
HERC:	HERCULES	TRIU:	TRIUMPH
HOND:	HONDA	VOLK:	VOLKSWAGEN
HUM:	HUMMER	VOLV:	VOLVO
HYUN:	HYUNDAI	WAUK:	WAUKESHA
IHC:	I.H.C. TRUCK	WHIT:	WHITE TRUCK
IHC: IHCT:	I.H.C. TRACTOR & POWER UNITS	WHTR:	WHITE PDQ TRUCKS
	INFINITI		WISCONSIN
INFI:		WISC:	
ISUZ:		YUGO:	YUGO
ISUZ:	PERFORMANCE - ISUZU		

Part No.	Application	Part No.	Application	
	OIL PUMP - PERFORMANCE	OIL PUMP - PERFORMANCE (Cont.)		
10176	FORD - 281 (1996-04)	10295	CHEV, PONT, ISUZ - 293, 323, 325, 350, 364	
10100			(1997-09)	
10190	CHYL - 122 (1995-05)	10296	CHEV, PONT, ISUZ - 293, 323, 325, 350, 364	
10227	FORD - 281 (1996-04)		(1997-09)	

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Part No.	Application	Part No.	Application
	DIL PUMP - PERFORMANCE (Cont.)	C	DIL PUMP - PERFORMANCE (Cont.)
10340	FORD - 281, 330 (2004-09)	M-57B	FORD, MERC, FORD - 390, 428 (1961-71)
10342	CHYL - 345, 370 (2003-07)	M-57HV	FORD, FOTU, FOTR, MERC, FORD - 330, 332,
10355	CHEV, PONT - 325, 350, 364, 378 (1997-08)		352, 360, 361, 383, 390, 410, 427, 428, 430, 462
10540	PONT - 301, 326, 350, 389, 400, 421, 428, 455		(1978)
40544	(1959-81)	M-63HP	CHYL, DESO, DODG, DODT, PLYM, CHYL,
10541	PONT - 301, 326, 350, 389, 400, 421, 428, 455		CHYL - 350, 361, 383, 400, 413, 426, 440 (1979)
		M-63HV	CHYL, DESO, DODG, DODT, PLYM, CHYL,
10550	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		CHYL - 350, 361, 383, 400, 413, 426, 440 (1979)
101		M-72HV	CHYL, DODG, DODT, JEEP, PLYM, CHYL, CHY
10551	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		- 239, 273, 318, 340, 360 (2003)
10550	400 (1957-03)	M-84AHV	FORD, FOTR, MERC, FORD - 351, 400 (1970-82
10552	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	M-99HV-S	CHEV, CHEV - 262, 267, 283, 302, 305, 307, 327
445544	400 (1957-02)		350, 400 (1957-03)
10552C	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	M393	NISS, 110 (2007-11)
10550	400 (1957-02)		P SCREEN ASSEMBLIES - PERFORMANCE
10553	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	12557	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
10554	400 (1957-02)		400 (1957-02)
10554	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	12558	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
10555	400 (1957-02)		400 (1957-02)
10555	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	12559	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
105550	400 (1957-02)		400 (1957-02)
10555C	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	12564	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
10007	400 (1957-02)		400 (1957-02)
10687	FORD - 260, 289, 302 (1962-01)	12566	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
10688	FORD - 260, 289, 302 (1962-01) CHEV - 396, 400, 402, 427, 454 (1965-97)		400 (1957-02)
10770 10774	CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)		CAMSHAFTS - PERFORMANCE
10778	CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	20402	AMC - 290, 304, 343, 360, 390, 401 (1967-79)
10778C		21300	BUIC - 231 (1977-87)
107780	CHEV - 396, 400, 402, 427, 454 (1965-97) FORD - (1969-97)	22100	CHEV - 396, 400, 402, 427, 454 (1965-97)
10832	FORD - (1969-97)	22107	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
10990	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		(1957-02)
10990	400 (1957-02)	22108	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
100000	, , , , , , , , , , , , , , , , , , ,		(1957-02)
10990C	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22109	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
10050 70007	400 (1957-02)		(1957-02)
10050-700CT	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22110	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
10050 75066	400 (1957-02) CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	-	(1957-02)
10050-750SS		22111	CHEV - 305, 327, 350, 400 (1962-02)
10050 00566	400 (1957-02)	22113	CHEV - (1985-03)
10050-825SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)	22114	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
10055 700CT	,		(1957-02)
10055-700CT	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22115	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
	400 (1957-02) CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	-	(1957-02)
10055 75066	$\Box \Box \Box \Box V = 202, 207, 203, 302, 303, 307, 327, 330,$	22116	MERC, OMC - 153
10055-750SS	400 (1057 02)		
	400 (1957-02) CHEV - 262 267 283 302 305 307 327 350	22117	MERC, OMC - 181
	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22117 22118	MERC, OMC - 181 MERC, OMC - 250
10055-825SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)	22118	MERC, OMC - 250
10055-825SS 10070-800SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119	MERC, OMC - 250 GMC, MERC - 262 (1991)
10055-825SS 10070-800SS 10070-900SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119 22120	MERC, OMC - 250 GMC, MERC - 262 (1991) MERC - 262
10055-825SS 10070-800SS 10070-900SS 10077-800SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119 22120 22121	MERC, OMC - 250 GMC, MERC - 262 (1991) MERC - 262 MERC - 262
10055-825SS 10070-800SS 10070-900SS 10077-800SS 10077-900SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119 22120 22121 22123	MERC, OMC - 250 GMC, MERC - 262 (1991) MERC - 262 MERC - 262 MERC - 262
10055-825SS 10070-800SS 10070-900SS 10077-800SS 10077-900SS 10070-1000SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119 22120 22121 22123 22124	MERC, OMC - 250 GMC, MERC - 262 (1991) MERC - 262 MERC - 262 MERC - 262 MERC, OMC - 283, 305, 307, 327, 350
10055-825SS 10070-800SS 10070-900SS 10077-800SS 10077-900SS	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	22118 22119 22120 22121 22123	MERC, OMC - 250 GMC, MERC - 262 (1991) MERC - 262 MERC - 262 MERC - 262

			NUMERICAL LISTING	
Part No.	Application	Part No.	Application	
CAMSHAFTS - PERFORMANCE (Cont.)		CAMSHAFTS - PERFORMANCE (Cont.)		
22127	CHEV - 396, 400, 402, 427, 454 (1965-97)	22306	CHEV - 396, 400, 402, 427, 454 (1965-97)	
22128	CHEV - (1985-03)	22320	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
22129	CHEV - 305, 350 (1967-02)		400 (1957-02)	
22131	CHEV - 305, 350 (1967-02)	22396	CHEV - 396, 400, 402, 427, 454 (1965-97)	
22135	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22397	CHEV - 305, 350 (1967-02)	
	400 (1957-02)	22398 CHEV - 262, 267, 283, 302, 305, 307, 327, 3		
22136	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		400 (1957-02)	
	400 (1957-02)	22400	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
22141	CHEV - 396, 400, 402, 427, 454 (1965-97)		400 (1957-02)	
22200	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	22401	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
	400 (1957-02)		400 (1957-02)	
22201	CHEV, PONT - 350 (1997-04)	22402	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
22203	CHEV - 267, 283, 302, 305, 307, 327, 350, 400		400 (1957-02)	
00004	(1957-02)	22404	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
22204 22210	CHEV - 396, 400, 402, 427, 454 (1965-97)		400 (1957-02)	
22210	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)	22407	CHEV - 396, 400, 402, 427, 454 (1965-97)	
22213	CHEV - 267, 283, 302, 305, 307, 327, 350, 400	22410	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
	(1957-02)		400 (1957-02)	
22214	CHEV - 396, 400, 402, 427, 454 (1965-97)	22427	CHEV - 396, 400, 402, 427, 454 (1965-97)	
22215	CHEV - 267, 283, 302, 305, 307, 327, 350, 400	22450	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
-	(1957-02)	00400	400 (1957-02)	
22216	MERC - 427, 454	22460	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
22217	MERC - 427, 454	00471	400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97)	
22218	MERC - 427, 454	22471 22472	CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	
22219	MERC - 427, 454, 502	22472	CHEV - 396, 400, 402, 427, 434 (1965-97) CHEV - 396, 400, 402, 427, 454 (1965-97)	
22220	MERC - 427, 454	22485	CHEV - 396, 400, 402, 427, 454 (1965-97)	
22221	CHEV, MERC - 305, 350 (2002)	23103	CHYL - 273, 318, 340, 360	
22222	MERC - 262	23104	CHYL - 273, 318, 340, 360	
22223	MERC - 454, 502	23203	CHYL - 273, 318, 340 (1965-02)	
22230	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	23204	CHYL - 361, 383, 400, 413, 426 (1959-78)	
22232	400 (1957-02)	23302	CHYL - 361, 383, 400, 413, 426 (1959-78)	
22232	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-02)	23321	CHYL - 361, 383, 413, 426 (1959-78)	
22233	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	23401	CHYL - 361, 383, 400, 413, 426 (1959-78)	
LLLOO	400 (1957-02)	24106	FORD, MERC - 289, 302, 351	
22234	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24107	FORD, MERC - 289, 302, 351	
	400 (1957-02)	24108	FORD - 260, 289, 302 (1962-01)	
22235	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24110	FORD - 260, 289, 302 (1962-01)	
	400 (1957-02)	24111	FORD - 351, 400 (1970-82)	
22236	CHEV - 396, 400, 402, 427, 454 (1965-97)	24203	FORD - 260, 289, 302 (1962-01)	
22237	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24204	FORD - 351, 400 (1970-82)	
	400 (1957-02)	24205	FORD - 352, 360, 390, 406, 427, 428 (1958-76)	
22238	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24206	FORD - 429, 460 (1968-97)	
	400 (1957-02)	24209	FORD, MERC - 289, 302, 351	
22280	CHEV - 350 (1967-02)	24210	FORD - 260, 289 (1962-68)	
22296	CHEV - 396, 400, 402, 427, 454 (1965-97)	24211	FORD - (1969-97)	
22297	CHEV - 454 (1970-97)	24212	FORD - 260, 289, 302 (1962-01)	
22298	CHEV - 305, 350 (1967-02)	24213 24214	FORD - 429, 460 FORD - 260, 289, 302 (1962-01)	
22301	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24214	FORD - 260, 289, 302 (1962-01) FORD - 352, 360, 390, 406, 427, 428 (1958-76)	
22202	400 (1957-02) CHEV - 396, 400, 402, 427, 454 (1965-97)	24218	FORD - 352, 360, 390, 406, 427, 428 (1958-76) FORD - 351, 400 (1970-82)	
22302 22303	CHEV - 396, 400, 402, 427, 454 (1965-97) CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24224 24225	FORD - (1969-97)	
22000	400 (1957-02)	24225	FORD - 302 (1968-01)	
22305	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	24227	FORD - 302 (1968-01)	
	400 (1957-02)	24280	FORD - 302 (1968-01)	

NUMERICAL LISTING					
Part No.	Application	Part No.	Application		
CA	CAMSHAFTS - PERFORMANCE (Cont.) LIFTERS - PERFORMANCE				
24301	FORD - 260, 289, 302 (1962-01)	290114	AMC, CHYL - 273, 290, 304, 318, 340, 343, 360,		
24302	FORD - 352, 360, 390, 406, 427, 428 (1958-76)		390, 401 (1965-02)		
24303	FORD - 351, 400 (1970-82)	290834	FORD - 352, 360, 390, 406, 427, 428 (1958-76)		
24305	FORD - 260, 289, 302 (1962-01)	290954	CHEV - 173, 189 (1980-94)		
24401	FORD - 351, 400 (1970-82)	298174	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		
24406	FORD - 429, 460 (1968-97)		396, 400, 402, 427, 454 (1957-03)		
25211	OLDS - 260, 307, 350, 400, 403, 425, 455	298184	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		
25309	(1965-88) OLDS - 260, 307, 350, 400, 403, 425, 455		396, 400, 402, 427, 454 (1957-03)		
25509	(1965-88)	298724	FORD - 352, 360, 390, 406, 427, 428 (1958-76)		
25310	OLDS - 260, 307, 350, 400, 403, 425, 455	299004	FORD - 260, 289, 302, 351, 400, 429, 460 (1962-01)		
	(1965-88)	299014	FORD - 260, 289, 302, 351, 400, 429, 460		
26204	PONT - 301, 326, 350, 389, 400, 421, 428, 455	299014	(1962-01)		
	(1959-81)	299374	CHYL - 273, 318, 340, 361, 383, 400, 413, 426		
26303	PONT - 301, 326, 350, 389, 400, 421, 428, 455		(1959-02)		
	(1959-81)	299514	OLDS, PONT - 260, 307, 326, 350, 389, 400, 403,		
26308	PONT - 301, 326, 350, 389, 400, 421, 428, 455		421, 428, 455 (1959-88)		
	(1959-81)	299694	BUIC, CHEV, PONT - 181, 231, 252, 301, 454		
27101	TOY - (1975-95)		(1970-97)		
27201	TOY - (1975-95)	299704	BUIC, CHEV, PONT - 181, 231, 252, 301, 454		
C-400-P	CHEV, CHEV - 262, 267, 283, 302, 305, 307, 327,		(1970-97)		
0.440.5	350, 400 (1957-02)	299764	CHYL - 383, 400 (1959-78)		
C-410-P	CHEV - 350 (1967-81)	299984	AMC - 290, 304, 343, 360, 390, 401 (1967-79)		
CCR-9 MC1244	CHEV - 292 (1964-72) CHYL, DODG, DODT, MITS, PLYM - 181 (	BB817RF16	CHEV - 396, 400, 402, 427, 454 (1965-97)		
WIC 1244	(1987-00)	BB969RF16	CHEV - 427, 454 (1970-97)		
MTA-1	AMC, JEEP, AMC - 290, 304, 343, 360, 390, 401	F1900RF16	FORD - 260, 289, 302, 351, 400 (1962-01)		
	(1966-91)	JB-2079	BUIC, CADL, CHEV, GMC, ISUZ, OLDS, PONT,		
MTB-1	BUIC, CADL, CHEV, OLDS, PONT, BUIC - 181,		SAAB, HUM, CHEV, MERC - 323, 325, 151, 204,		
	196, 231, 252 (1977-87)		231, 250, 262, 265, 267, 273, 283, 294, 300, 302, 305, 307, 323, 323, 325, 323, 325, 323, 325, 327, 346,		
MTB-2	BUIC, CADL, CHEV, OLDS, PONT, BUIC - 181,		350, 364, 378, (2011)		
	196, 231, 252 (1977-87)	SB079RF16	CHEV - 305, 350 (1967-02)		
MTC-1	BUIC, CHEV, GMC, OLDS, PONT, CHEV - 262,	SB817RF16	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,		
	265, 267, 283, 302, 305, 307, 327, 350, 400	0201111110	400 (1957-02)		
		CAM	SHAFT LIFTER KITS - PERFORMANCE		
MTC-5	BUIC, CADL, CHEV, GMC, ISUZ, JEEP, OLDS,	CL-MTA-1	AMC, JEEP, AMC - 290, 304, 343, 360, 390, 401		
MTC 6	PONT, CHEV, 173, 189 (1980-94)		(1966-91)		
MTC-6	CHEV, GMC, CHEV - 396, 400, 402, 427, 454 (1965-00)	CL-MTB-1	BUIC, CADL, CHEV, OLDS, PONT, BUIC - 181,		
MTD-1	(1963-00) CHYL, DODG, DODT, PLYM, CHYL - 273, 318,		196, 231, 252 (1977-87)		
	340, 360 (1958-03)	CL-MTB-2	BUIC, CADL, CHEV, OLDS, PONT, BUIC - 181,		
MTD-2	CHYL, DODG, DODT, PLYM, CHYL - 361, 383,		196, 231, 252 (1977-87)		
	400, 413, 426, 440 (1958-79)	CL-MTC-1	BUIC, CHEV, GMC, OLDS, PONT, CHEV - 262,		
MTF-1	FORD, FOTR, MERC, FORD - 260, 289, 302		265, 267, 283, 302, 305, 307, 327, 350, 400		
	(1962-01)		(1955-02)		
MTF-2	FORD, FOTR, MERC, FORD - 351, 400 (1970-82)	CL-MTC-6	CHEV, GMC, CHEV - 396, 400, 402, 427, 454		
MTF-3	FORD, FOTR, MERC, FORD - 429, 460 (1968-98)		(1965-00)		
MTF-4	FORD, FOTR, MERC, FORD - 330, 352, 359, 360,	CL-MTD-1	CHYL, DODG, DODT, PLYM, CHYL - 273, 318,		
	361, 389, 390, 391, 406, 427, 428 (1958-78)	0	340, 360 (1958-03)		
MTF-5	FORD, FOTR, MERC, FORD - 302, 351 (1968-01)	CL-MTD-2	CHYL, DODG, DODT, PLYM, CHYL - 383, 400,		
MTF-6	FORD, FOTR - 240, 300 (1965-96)	OL MTE 1	413, 440 (1959-79)		
MTO-1	BUIC, CADL, OLDS, PONT, OLDS - 260, 307,	CL-MTF-1	FORD, FOTR, MERC, FORD - 260, 289, 302 (1962-01)		
	350, 400, 403, 425, 455 (1965-90) BUIC OLDS PONT PONT - 287, 301, 326, 350	CL-MTF-2	FORD, FOTR, MERC, FORD - 351, 400 (1970-82)		
MTP-1	BUIC, OLDS, PONT, PONT - 287, 301, 326, 350, 389, 400, 421, 428, 455 (1955-81)				
	389, 400, 421, 428, 455 (1955-81)	CL-MTF-3	FORD, FOTR, MERC, FORD - 429, 460 (1968-98		

			NUMERICAL LISTING	
Part No.	Application	Part No.	Application	
	T LIFTER KITS - PERFORMANCE (Cont.)	CHROME MOLY PUSH RODS (Cont.)		
CL-MTF-4	FORD, FOTR, MERC, FORD - 330, 352, 359, 360,	500354	CHYL - (1966-78)	
	361, 389, 390, 391, 406, 427, 428 (1958-78)	500364	CHYL - 426 (1966-71)	
CL-MTF-5	FORD, FOTR, MERC, FORD - 302, 351 (1968-01)	500374	CHYL - 426 (1966-71)	
CL-MTO-1	BUIC, CADL, OLDS, PONT, OLDS - 260, 307,	500384	CHYL - 383 (1959-78)	
	350, 400, 403, 425, 455 (1965-90)	500394	FORD - (1969-97)	
CL-MTP-1	OLDS, PONT, PONT - 301, 326, 350, 389, 400,	500404	FORD, FORD, MERC, OMC - 260, 302 (1964)	
	421, 428, 455 (1959-81)	500414	FORD - 302 (1968-01)	
	VALVE LOCKS	500424	FORD - 351 (1970-74)	
471004	CHYL, CHYL - 273, 318, 340, 360, 361, 383, 400,	500434	FORD - 351 (1970-74)	
	413, 426, 440 (2002)	500444	FORD - 302 (1968-01)	
472004	FORD - 260, 289, 302, 400 (1962-01)	500474	CHYL - 426 (1963-78)	
473004	AMC, CHEV, FORD, MERC - 290, 304, 343, 352,	500494	MERC, OMC - 153, 181, 250	
	360, 390, 396, 400, 401, 402, 406, 427, 428, 454	500544	CHYL, CHYL - 440 (1978)	
	(1997)	500564	OLDS - 400, 455 (1965-76)	
474004	CHYL, CHYL - 273, 318, 340, 360, 361, 383, 400,	500574	BUIC, PONT - 181, 231, 252, 326, 389, 400, 421,	
	413, 426, 440 (2002)	500504	428 (1959-87)	
476104	BUIC, CHEV, FORD, OLDS, PONT, FORD,	500584	FORD, FORD - 260, 289, 302 (2001)	
	MERC, OMC - 153, 181, 224, 229, 231, 250, 252,	500594	CHYL, CHYL - 273, 318, 340, 360 (2002)	
	260, 262, 267, 283, 289, 301, 302, 305, 307, 326,	500614	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
	327, 350, 351, 389, 396, 400, 402, 403, 421, 425,	500004	400 (1957-03)	
	427, 428, 429, 45 (2003)	500624	CHEV - 427 (1980-90)	
476704	FORD - 400 (1971-82)	500634	CHEV - 427 (1980-90)	
	GUIDE PLATES	500664	FORD - (1969-97)	
MGP1004	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	500674	CHEV - 262, 267, 283, 302, 305, 307, 327, 350, 400 (1957-03)	
	400 (1957-02)	501004	AMC, CHEV - 262, 267, 283, 302, 304, 305, 307,	
MGP1014	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	501004	327, 350, 360, 390, 400, 401 (1957-03)	
	400 (1957-02)	501014	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
MGP1024	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	501014	400 (1957-03)	
	400 (1957-02)	501024	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
MGP1034	CHEV - 262, 267, 302, 305, 307, 327, 350, 400		400 (1957-03)	
	(1962-02)	501034	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
MGP1064	CHEV - 396, 400, 402, 427, 454 (1965-97)		400 (1957-03)	
MGP1074	CHEV - 396, 400, 402, 427, 454 (1965-97)	۷۵۱	/E SPRING WITH HYDRAULIC LIFTERS	
MGP1084	FORD - 260, 289, 302 (1962-01)	466124	FORD, OLDS - 260, 289, 302, 307, 350, 400, 403	
MGP1094	FORD - 260, 289, 302 (1962-01)	400124	425, 455 (1962-01)	
MGP1104	FORD - 351 (1970-81)	466134	FORD, OLDS - 260, 289, 302, 307, 350, 400, 403	
MGP1114	FORD - 351 (1970-81)	400104	425, 455 (1962-01)	
MGP1124	FORD - 429, 460 (1968-97)	466174	FORD - (1969-97)	
MGP1134	FORD - 429, 460 (1968-97)	466204	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,	
	CHROME MOLY PUSH RODS		400 (1957-02)	
500064	FORD - 352, 360, 390, 406, 427, 428 (1958-76)	466224	CHEV, CHYL, FORD, MERC - 351, 352, 360, 361	
500004 500074	FORD - 352, 360, 390, 406, 427, 428 (1938-76)		383, 390, 396, 400, 402, 406, 413, 426, 427, 428,	
500074 500154	CHEV, MERC - 396, 400, 402, 427, 454 (1997)		454 (1997)	
500154 500164	CHEV, MERC - 396, 400, 402, 427, 454 (1997)	466354	CHEV, MERC, OMC - 262, 267, 283, 302, 305,	
500104 500194	CHYL - 426 (1963-78)		307, 327, 350, 400 (2003)	
500134 500204	CHYL - 440	466434	AMC, CHYL - 273, 290, 304, 318, 340, 343, 360,	
500204 500224	CHYL - 273 (1965-02)		361, 383, 390, 400, 401, 413, 426 (1959-02)	
500224 500274	PONT - 350, 389, 400, 455 (1959-77)	466444	FORD - 260, 289, 302 (1962-01)	
500274 500294	CHEV, MERC - 396, 400, 402, 427, 454 (1997)	VS-739	BUIC, CHEV, GMC, OLDS, PONT, CHEV, MERC	
	CHEV, MERC - 396, 400, 402, 427, 454 (1997) CHEV, MERC - 396, 400, 402, 427, 454 (1997)		OMC - 153, 181, 200, 229, 262, 267, 283, 302,	
500304 500314	AMC, CHEV, MERC, OMC - 229, 262, 267, 283,		305, 307, 327, 350, 400 (2002)	
500314	AMC, CHEV, MERC, OMC - 229, 262, 267, 283, 302, 304, 305, 307, 327, 350, 360, 390, 400, 401	VALV	E SPRING WITH MECHANICAL LIFTERS	
	(2003)	466114		

NUME	RICAL LISTING
Part No.	Application
VALVE S	PRING WITH MECHANICAL LIFTERS (Cont.)
466154	CHEV, CHYL, FORD - 351, 361, 383, 396, 400,
	402, 413, 426, 427, 454 (1959-97)
466164	CHEV, CHYL, FORD - 351, 361, 383, 396, 400,
466074	402, 413, 426, 427, 454 (1959-97) CHEV, FORD - 260, 262, 267, 283, 289, 302, 305,
466274	307, 327, 350, 400 (1957-02)
466364	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
400004	400 (1957-02)
	ROCKER ARMS
498404	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
	400 (1957-02)
498464	PONT - 301, 326, 350, 389, 400, 421, 428, 455
	(1959-81)
498684	CHEV - 396, 400, 402, 427, 454 (1965-97)
	ROCKER ARM STUD
MRDS-941	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
	400 (1957-02)
MRDS-2920	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
	400 (1957-02)
	3 PC SET
40201	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
	400 (1957-03)
40202	CHYL - 273, 318, 340 (1965-02)
40203	CHYL - 361, 383, 400, 413, 426 (1959-78)
40204 40205	FORD - 352, 360, 390, 406, 427, 428 (1958-76) CHEV - 396, 400, 402, 427, 454 (1965-97)
40205	FORD - 260, 289, 302 (1962-01)
40210	BUIC - 350 (1972-81)
40217	CHYL, CHYL - 426, 440 (1978)
40400	CHEV, MERC, OMC - 229, 262, 267, 283, 302,
	305, 307, 327, 350, 400 (2003)
40401	CHEV, MERC - 396, 400, 402, 427, 454 (1997)
40402	FORD, FORD, MERC, OMC - 260, 289, 302, 351
	(2001)
40403	FORD, FORD - 429, 460 (1997)
40404	BUIC - 181, 231, 252 (1977-87)
40405	FORD - 351, 400 (1970-82)
40406 40407	CHYL, CHYL - 273, 318, 340, 360 (2002) CHYL, CHYL - 361, 383, 400, 413, 426, 440 (1978)
40408	PONT - 326, 350, 389, 400, 421, 428, 455
10100	(1959-77)
40409	OLDS - 260, 400, 403, 425, 455 (1965-82)
40410	FORD - 352, 360, 390, 406, 427, 428 (1958-76)
40500	CHEV - 267, 283, 302, 305, 307, 327, 350, 400
	(1957-02)
40510	CHEV - 396, 400, 402, 427, 454 (1965-97)
40520	CHEV - 262, 267, 283, 302, 305, 307, 327, 350,
	400 (1957-03)
48500T-9	BUIC, CHEV, OLDS, PONT - 200, 229, 262, 265,
	267, 283, 302, 305, 307, 327, 350, 400 (1955-03)
48500W-9	BUIC, CHEV, OLDS, PONT - 200, 229, 262, 265,
40510T 0	267, 283, 302, 305, 307, 327, 350, 400 (1955-03)
48510T-9	CHEV - 396, 400, 402, 427, 454 (1965-97)

### Dura-Bond Engine Hardware Finishing Kits



FKC-1HP S.B. Chevy



FKC-3HP B.B. Chevy



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KIT NO.	YEAR	MAKE & Application	CONTENTS	QTY.	DESCRIPTION
FKC-1HP	1957-1986	Chevy S.B. V8 262-400 CID	AD-927-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AB-001-P	3	Cam Bolt
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AK-001-P	1	Woodruff Key
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel
FKC-3HP	1967-1991	Chevy B.B. V8 366-454 CID	AD-8081-P	4	Head Dowel
			AD-1284-P	4	Timing Cover / Oil Pump Dowel
			AW-013-P	1	Cam Lock Plate
			AB-039-P	2	Oil Filter Adapter Bolts
			AB-001-P	3	Cam Bolt
			AK-002-P	2	Woodruff Key
			AD-023	2	Transmission Dowel

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241S	303S	304S	305S			
	0	<b>9</b>				
324S	331S	335S	12557			
12558	12559	12564	12566			





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