

Injector LB/HR	Fuel PSI	Duty Cycle %	Voltage															
			8	8.8	9.6	10.4	11.2	12	12.8	13.6	14.4	15.2	16	16.8	17.6	18.4	19.2	20
800	43.5	70	3.2	2.6	2.2	1.8	1.6	1.4	1.2	1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2

AFIS Gen-2, 800 Injector Data

* Operating Base (static) Fuel Pressure-	40-70	PSI
** Maximum Base (static) Fuel Pressure-	75	PSI

Minimum Pulse Width at :	13.5 volts	2.2	milliseconds
	16.0 volts	1.8	milliseconds

*** Injector Driver <u>Minimum</u> Requirements:	8 amp	Peak
	1 msec	Peak Hold Time
	2 amp	Hold

Notes:

- * Base (static) fuel pressure is the fuel pressure without a boost or vacuum reference.
- ** Operating the fuel injectors outside of the designed base (static) fuel pressure range will result in improper injector function.
- *** An external injector driver is **required** on most EFI systems (including HP & Dominator ECU). The Holley driver PN 554-142 is recommended (Position 7) with AFIS Injectors. Injector drivers (internal or external) must have a minimum peak hold time or 1 msec; this is not programmable on all ECUs or external drivers
Peak Hold Time is the amount of time the driver will stay at peak current before dropping to hold current (not the same as Peak Timeout).
WARNING. FuelTech injector drivers are not compatible with AFIS injectors.

INJECTOR SET #1

Number of Injectors
8
Firing Strategy
Sequential

System Type
Custom

Rated Flow per Injector
800.0 lb/hr
Final Flow per Injector
800.0 lb/hr

Rated Injector Pressure
43.5 psi
Final Injector Set Flow
6400.0 lb/hr

Actual System Pressure
43.5 psi

Minimum Injector Opening Time
2.20 msec

DRIVER SETUP

Type
Custom
Peak Current
8.750 A
Peak Timeout
5.0 msec

Hold Current
2.500 A

USE FOR

Use for Prime Shot
Prime Percentage
100%

Use for Cranking Fuel
Cranking Percentage
100%

Use for Individual Cylinder Correction

INJECTOR OFF TIME

Off Time [msec]
View Graph

3.20	2.60	2.20	1.80	1.60	1.40	1.20	1.00	0.90	0.80	0.70	0.60	0.50	0.40	0.30	0.20
8.0 V	8.8 V	9.6 V	10.4 V	11.2 V	12.0 V	12.8 V	13.6 V	14.4 V	15.2 V	16.0 V	16.8 V	17.6 V	18.4 V	19.2 V	20.0 V

LINEARIZATION TABLE

Pulsewidth Offset [msec]
View Graph

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00

Base Pulsewidth [msec]