

[A.] Customer & Vehicle Information

Year/Make/Model:	Ticket #:
VIN:	Mileage:
Name:	Date:
Complaint / symptom:	

[B.] Tools & Safety

Tools required: correct fuel-pressure gauge/adapters, scan tool where applicable, digital multimeter, and injector balance capability if supported.
⚠ Fuel is highly flammable and may be under high pressure. Work ventilated, keep ignition sources away, wear eye/hand protection, and follow manufacturer pressure-relief procedures.

[C.] Low-Pressure Fuel System

KOEO	Cranking	Idle	Part Throttle	Under Load
PSI	PSI	PSI	PSI	PSI
Specified pressure/range:		Meets specification: ☐ Yes ☐ No		

[D.] Pressure Decay / Hold

Key-off	5 min	10 min	30 min
PSI	PSI	PSI	PSI

Abnormal decay? ☐ Yes ☐ No If yes, continue with injector / pump check-valve / leak isolation per service information.

[E.] Fuel Pump Electrical

Test	Value
Fuse voltage (KOEO)	V
Relay output voltage (KOEO)	V
Pump connector voltage	V
Pump current draw	A

Power and ground present during prime/run but pump does not operate? ☐ Yes
☐ No

[F.] High-Pressure / Direct Injection - If Equipped

Direct injection equipped: ☐ Yes ☐ No / N/A

Condition	Desired Pressure	Actual Pressure
Cranking		
Idle		
Part Throttle		
Under Load		

Actual pressure follows commanded pressure: ☐ Yes ☐ No

[G.] Injector Balance / Component Isolation

Cylinder	1	2	3	4	5	6	7	8
Start PSI								
Post-Pulse PSI								
Pressure Drop PSI								

Maximum variance: PSI Weak/restricted injector indicated: Cyl

Injector swap: Cyl → Cyl Misfire before after Followed injector? ☐ Yes ☐ No

Injector PCM control: suspect Cyl Power V PCM trigger present: ☐ Yes ☐ No Wiring: ☐ Good ☐ Abnormal

[H.] Fuel Quality & Fuel Trims

Condition	STFT B1	LTFT B1	STFT B2	LTFT B2
Idle	%	%	%	%
2,500 RPM	%	%	%	%

Specific gravity: Measured ethanol: % Scan-tool ethanol: % Flex fuel: ☐ Yes ☐ No

Scan-tool fuel level: % Actual/measured fuel level: gal / %