

1993 Chevy Truck S10/T10 Blazer 4WD V6-262 4.3L VIN W CPI

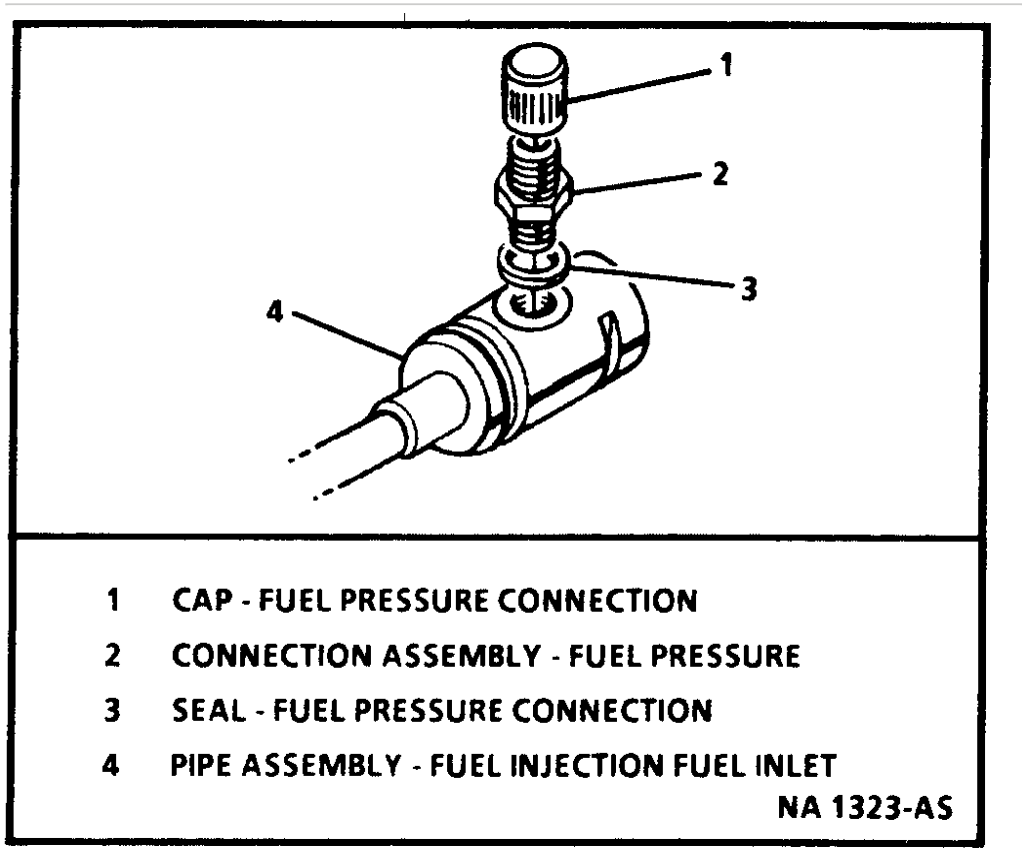
Vehicle > Powertrain Management > Fuel Delivery and Air Induction > Fuel Injector > Service and Repair > Procedures

CMFI UNIT REPLACEMENT

Upper Intake Removal

Remove or Disconnect

Fuel Pressure Connection



1. Negative battery cable
2. Plastic cover.
3. Wire harnesses, including:
 - Throttle Position (TP) sensor

- Idle Air Control (IAC) motor.
 - Manifold Absolute Pressure (MAP) sensor.
 - Intake manifold tuning valve assembly.
4. Throttle and cruise cable from upper intake manifold
 5. Ignition coil
 6. Crankcase ventilation hose at upper intake manifold
 7. Vacuum hoses at front and rear of upper intake manifold.
 8. Air cleaner snorkel
 9. Upper intake manifold bolts and studs.
 - Mark the location of all studs for proper reassembly.
 10. Upper intake manifold

Important

Do Not attempt to disassemble the CMFI assembly. it is serviceable as an assembly.

CAUTION: Refer to "Fuel Pressure Relief Procedure" before disconnecting fuel lines.

Remove or Disconnect

1. Remove injector wiring harness connector at CMFI assembly.
2. Fuel fitting clip and discard.
3. Fuel inlet and return tube and fitting assembly
 - Discard O-ring seals
4. CMFI assembly
 - Squeeze poppet nozzle locking tabs together while lifting nozzle out of casting socket
 - After removing the six poppet nozzles. lift the CMFI assembly out of casting

Install or Connect

CAUTION: To reduce the risk of fire and personal injury, verify that the poppet nozzles are firmly seated and locked in their casting sockets. An unlocked poppet nozzle could work loose from its socket thus resulting in a fuel leak.

1. CMFI assembly.
 - Align CMFI assembly grommet with the casting grommet slots and push down until it is seated in bottom guide hole.
 - Push poppet nozzles into casting sockets

Inspect

Poppet nozzles must be firmly seated and locked in casting sockets. Refer to previous "CAUTION" statement.

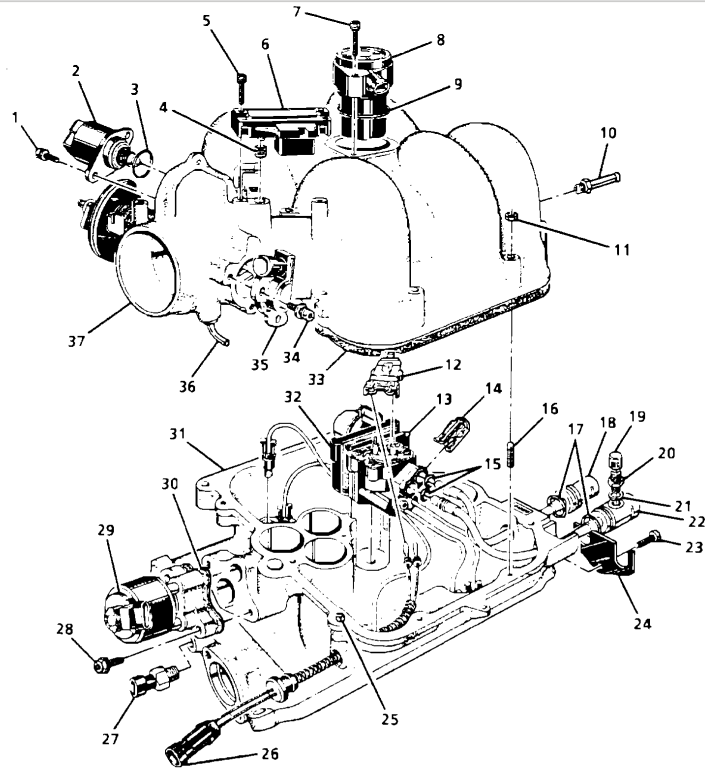
2. Fuel inlet and return tube and fitting assembly
 - New O-ring seals coated with clean engine oil.
3. New fuel fitting clip.

Important

Test for fuel leakage. Pressurize fuel system, verify no fuel leakage at inlet and return tube to CMFI unit.

Upper Intake Installation**Install or Connect**

CMFI Assembly Parts Identification



1	BOLT/SCREW - IDLE AIR CONTROL VALVE	14	CLIP - FUEL INJECTION FUEL FEED AND RETURN PIPE	26	HARNESS ASSEMBLY - CENTRAL MULTIPOINT FUEL INJECTOR WIRING
2	VALVE ASSEMBLY - IDLE AIR CONTROL (IAC)	15	SEAL - FUEL INJECTION FUEL FEED AND RETURN PIPE (O-RING)	27	SENSOR ASSEMBLY - ENGINE COOLANT TEMPERATURE (ECT)
3	SEAL - IDLE AIR CONTROL VALVE (O-RING)	16	STUD - UPPER INTAKE MANIFOLD	28	BOLT/SCREW - EGR VALVE
4	SEAL - MAP SENSOR	17	SEAL - LOWER INTAKE MANIFOLD FUEL FEED AND RETURN PIPE (O-RING)	29	VALVE ASSEMBLY - EGR
5	BOLT/SCREW - MAP SENSOR	18	PIPE ASSEMBLY - FUEL INJECTION FUEL RETURN	30	GASKET - EGR VALVE
6	SENSOR ASSEMBLY - MANIFOLD ABSOLUTE PRESSURE (MAP)	19	CAP - FUEL PRESSURE CONNECTION	31	MANIFOLD ASSEMBLY - LOWER INTAKE
7	BOLT/SCREW - INTAKE MANIFOLD TUNING VALVE	20	FUEL PRESSURE CONNECTION ASSEMBLY	32	SEAL - CENTRAL MULTIPOINT FUEL INJECTOR (CMFI)
8	VALVE ASSEMBLY - INTAKE MANIFOLD TUNING	21	SEAL - FUEL PRESSURE CONNECTION	33	GASKET - UPPER INTAKE MANIFOLD
9	SEAL - INTAKE MANIFOLD VALVE (O-RING)	22	PIPE ASSEMBLY - FUEL INJECTION FUEL FEED	34	BOLT/SCREW - THROTTLE POSITION SENSOR
10	FITTING - POWER BRAKE BOOSTER VACUUM	23	BOLT/SCREW - FUEL INJECTION FUEL FEED AND RETURN PIPE RETAINER	35	SENSOR ASSEMBLY - THROTTLE POSITION (TP) SENSOR
11	NUT - UPPER INTAKE MANIFOLD	24	RETAINER - FUEL INJECTION FUEL FEED AND RETURN PIPE	36	TUBE - FUEL VAPOR CANISTER PURGE
12	CONNECTOR ASSEMBLY - CENTRAL MULTIPOINT FUEL INJECTOR WIRING HARNESS	25	PIN - UPPER INTAKE MANIFOLD LOCATING	37	MANIFOLD ASSEMBLY - UPPER INTAKE (WITH THROTTLE BODY)
13	INJECTOR ASSEMBLY - CENTRAL MULTIPOINT FUEL INJECTOR (CMFI)				

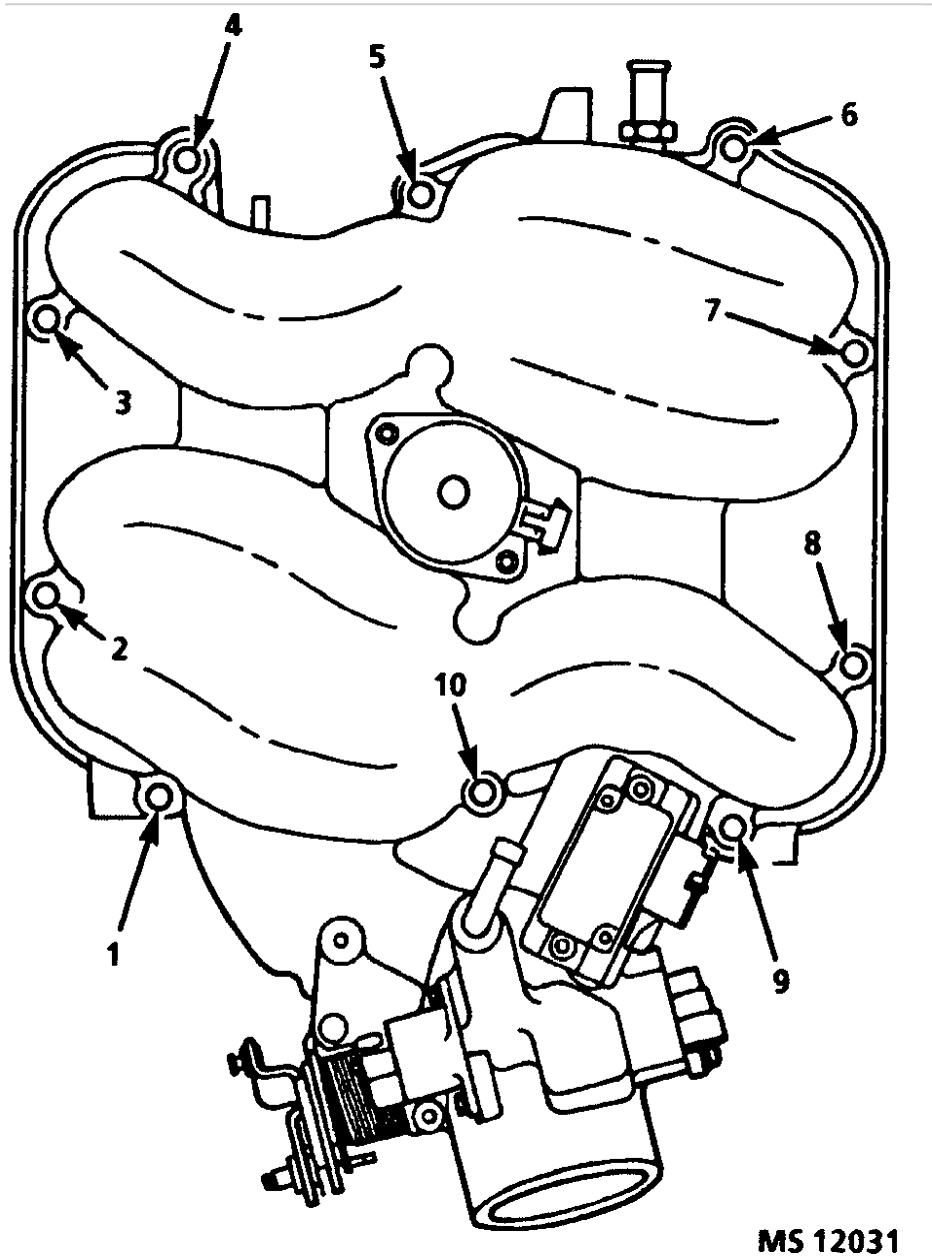
MP 0179-XV

1. Upper intake manifold gasket with green sealing lines facing up.
2. Upper intake manifold.
 - Use care not to pinch the injector wires between the upper and lower intake manifolds
3. Upper intake manifold bolts. Use the marks made at disassembly for proper stud location.

Tighten

- Bolts to **14 Nm (124 lb in)** using the sequence shown in image.

Upper Intake Manifold 4.3W



- 4. Crankcase ventilation hose to upper intake manifold.
- 5. Vacuum hoses to front and rear of upper intake manifold.
- 6. Throttle and cruise cable to upper intake manifold.

7. Ignition coil.
8. Air cleaner tube.
9. Wire harnesses, including:
 - Throttle Position (TP) sensor
 - Idle Air Control (IAC) motor.
 - Manifold Absolute Pressure (MAP) sensor.
 - Intake manifold tuning valve assembly.
10. Plastic cover.

Thread-Locking Material

Important

The hardware used to attach the Throttle Position (TP) sensor, Idle Air Control (IAC) valve, Intake Manifold Tuning Valve and MAP sensor, are coated with thread-locking adhesive. If any of these parts are removed for service, inspect the attaching screw threads. There should be enough thread-locking material (adhesive or compound) on the threads to insure proper relocking. If not, clean the screw threads and apply Loctite 262, or equivalent, to the threads before reassembly. Replacement screws are included in the service screw assortment package. New attaching hardware is included in the service packages.