

GF10853B ALT. B

Central SFI Conversion to MFI (V6)

This procedure outlines the steps required to replace the existing Central SFI Fuel System with a new MFI (Multipoint Fuel Injection) Fuel System. Be sure to use the appropriate year and model Service Manual for proper disassembly and reassembly procedure(s). Be sure to properly depressurize the fuel system before proceeding. Extinguish all sources of flame.

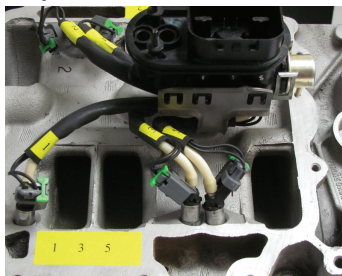
NOTE: Central SFI denotes the Fuel System commonly known as SCPI.

Installation Instructions:

1. Depressurize the fuel system by disabling the vehicles fuel pump. Consult Service Repair Manual for proper steps.
2. Disconnect negative ground terminal from the battery.
3. Remove Upper Intake Manifold cover and SCPI Fuel Meter Body according to Service Repair Manual procedures.
4. Remove the Fuel Meter Body bracket and replace it with the updated bracket.

NOTE: Updated Bracket is sold separately.

Fig. 2



#1 and #5 Fuel Tube in front of #3 Fuel Tube / #3 Fuel Tube
New Fuel Meter Body Bracket

Tubes de carburant nos 1 et 5 devant le tube no 3
Nouveau support de corps de jauge de carburant

Tubo de combustible Nro. 1 y 5 frente al tubo de combustible Nro. 3 / Tubo de combustible Nro. 3

Soporte para el cuerpo del medidor de combustible nuevo

STANDARD

MFI Fuel Meter
Body Fuel Tubes

Fig. 1

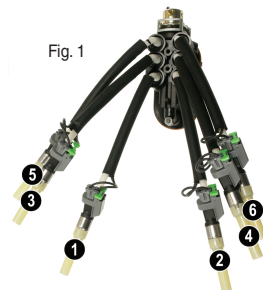
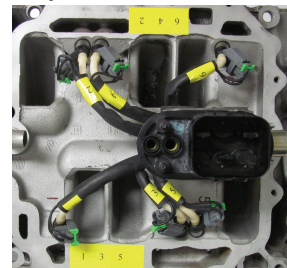


Fig. 3



5. Position Fuel Tubes of MFI Fuel Meter Body as shown in Figure 1. Tubes must be oriented away from the fuel pressure regulator end of the fuel meter body.
6. Insert the MFI Fuel Meter Body into the Fuel Meter Body Bracket on the Lower Intake Manifold being careful not to bind the Fuel Tubes. Push down firmly on the fuel meter body locking it into the bracket.

NOTE: The number 3 Fuel Tube must be positioned behind the number 1 Fuel Tube to eliminate interference with the Upper Intake Manifold plenum when installed. See Figure 2.

NOTE: Make sure that the number 3 Fuel Tube is routed in behind number 1 and 5 Fuel Tubes from MFI Fuel Meter Body. See Figure 2.

7. Apply a coat of clean motor oil or non silicone lubricant to the injector tip for easier installation.

NOTE: Injector Tips do not require o-rings for proper sealing.

8. Insert the number 3 injector into the correct hole in the Lower Intake Manifold first. Install the number 5 injector next and then number 1. See Figure 3.

NOTE: This sequence must be followed correctly to prevent interference of the Fuel Tubes. Injectors 2, 4, and 6 are then installed.

NOTE: The injector holes are numbered on the Lower Intake Manifold. The injectors are numbered on the side of the Fuel Meter Body.

9. Insure that the electrical connectors of the injectors are positioned so that they do not interfere with each other and are pointing towards the center of the Intake Manifold. If necessary, rotate the electrical connectors inboard.
 10. Temporarily reinstall the Fuel Inlet and Return Lines into the Fuel Meter Body.
- NOTE: Lubricate the Fuel Inlet and Return Lines with clean engine oil or a non silicone lubricant before inserting them into the Fuel Meter Body.**

11. Reconnect the battery and vehicle's fuel pump.
12. Perform a Fuel Pressure System check to verify that the injectors are not leaking.
DO NOT ATTEMPT TO CRANK THE ENGINE OR START THE VEHICLE. Consult Service Repair Manual for proper Fuel Pressure check procedures. If fuel pressure is not held, find the cause of the problem and correct it at once. Failure to do so can result in engine damage.
13. Depressurize the fuel system and remove the fuel lines from the Fuel Meter Body.
14. Lubricate the Fuel Meter Body Upper Manifold O-ring (orange in color) with clean engine oil or non silicone lubricant.

NOTE: Lack of lubrication will make installation of the Upper Intake

Manifold cover difficult and may cause damage to the O-ring.

15. Replace the Upper Intake Manifold cover gasket with a new gasket. Reinstall the Upper Intake Manifold cover and Fuel lines, follow the procedures outlined in the Service Repair Manual.

NOTE: Make sure that the Fuel Line Retaining Bracket is properly oriented with the tabs down.