



Multiport Flexible Injection

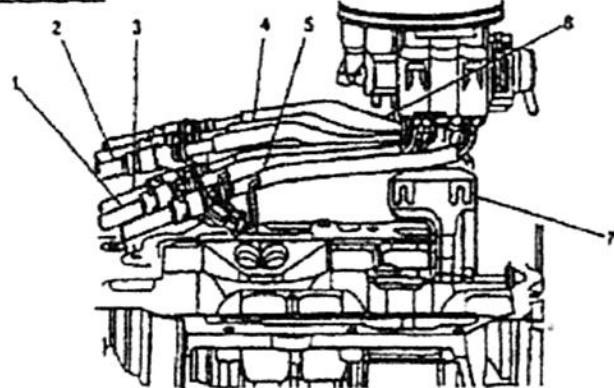
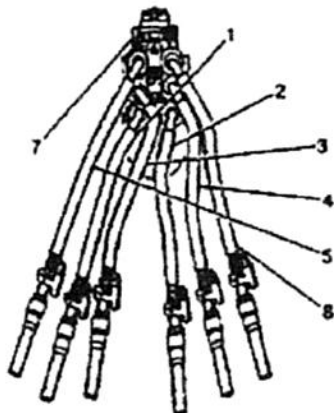
This procedure outlines the steps required to replace the existing Central SFI Fuel System with a new MFI (Multiport Flexible Injection) Fuel System. These instructions are a basic guideline only. Be sure to use the appropriate year and model Service Manual for proper disassembly and re-assembly procedure(s).

Item Description

- | Item | Description |
|------|-----------------------------|
| 1 | Cylinder #1 tube |
| 2 | Cylinder #2 tube |
| 3 | Cylinder #3 tube |
| 4 | Cylinder #4 tube |
| 5 | Cylinder #5 tube |
| 6 | Cylinder #6 tube |
| 7 | MFI Fuel Meter Body Bracket |

Service Procedure

1. Remove upper intake manifold plenum and SFI fuel meter body according to service manual procedures.
2. Remove the fuel meter body bracket and discard. Install the new bracket as shown in Figure 1.

FIGURE 1**FIGURE 2**

3. Position fuel tubes of MFI fuel meter body as shown in Figure 2. Tubes must be oriented away from the fuel pressure regulator end of the fuel meter body.

Notice: 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.

4. 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. Make sure that the number three Fuel Tube is routed in behind number 1 and 5 fuel tubes as shown in Figure 2. Push down firmly on the fuel meter body locking it into the bracket.

Notice: Use caution when inserting injectors into lower intake manifold to be sure the correct injector is being placed into the correct hole. Injectors should not be removed once they have been installed. Removal of injectors from the intake manifold may cause damage to the retaining lugs on the injector.

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

5. Insert the number 3 injector into the correct injector hole in the lower intake manifold first. Install the number 5 injector next and then number 1. This sequence must be followed correctly to prevent interference of the fuel tubes. Injectors 2, 4, and 6 are then installed.
6. 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.

Notice: Lack of lubrication will make installation of the upper intake manifold plenum difficult and may cause damage to the O-ring.

7. Lubricate the fuel meter body upper manifold o-ring (orange in color) with clean engine oil.
8. Inspect the upper intake manifold plenum gasket and replace if necessary. Reinstall the upper intake manifold plenum following the procedures outlined in the service manual.

Important: Lubricate the fuel inlet and return lines with clean engine oil before inserting them into the fuel meter body. Make sure that the fuel line retaining bracket is properly oriented with the tabs down.

Multiport Flexible Injection

IR 13FE06

PART NO.

89060441

SHEET 1 OF 3

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DATE	REVISION	AUTH	DR
13FE06	Initial Release - Rob Smith		

TITLE

**INSTALLATION INSTRUCTIONS
Multiport Flexible Injection**

PART NO.

89060441

SHEET 1 OF 3



Multiport Flexible Injection

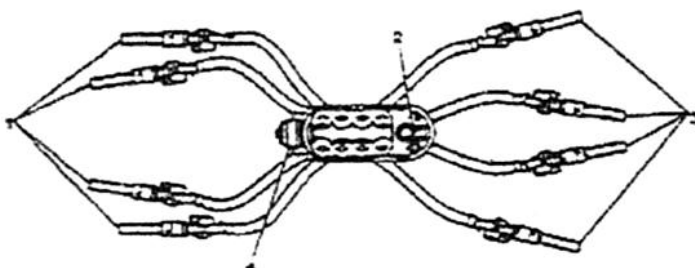
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<u>Item</u>	<u>Description</u>
1	Cylinder 2, 4, 6 and 8 tubes
2	Fuel Inlet
3	Cylinder 1, 3, 5 and 7 tubes
4	Fuel Pressure Regulator

Service Procedure

1. Remove Upper Intake Manifold plenum and SFI Fuel Meter Body according to Service Manual Procedures.
2. Remove the Fuel Meter Body bracket and discard. Install the new bracket.

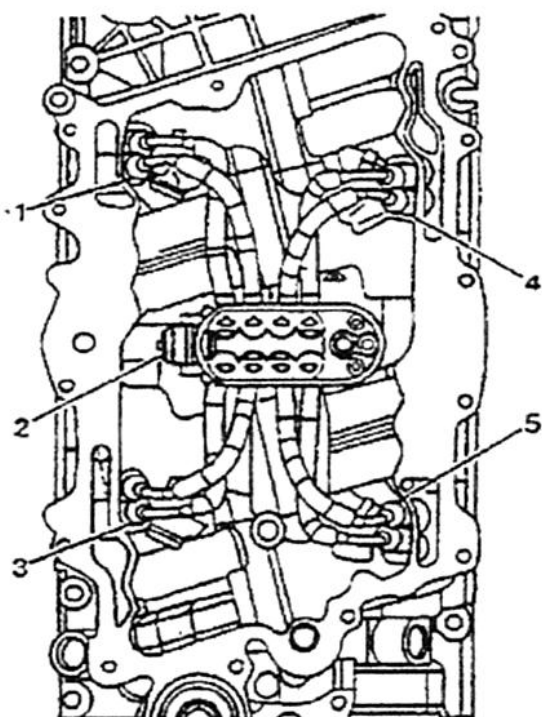
FIGURE 1



3. Position Fuel Tubes of MFI Fuel Meter Body as shown in Figure 1. Fuel tubes 1, 3, 5, and 7 are oriented toward the fuel inlet side of the fuel meter body. Fuel tubes 2, 4, 6, and 8 are oriented toward the fuel pressure regulator side of the fuel meter body.
4. 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 until the tabs snap into the bracket locking the fuel meter body in place.

Item	Description
1	Cylinders 6 and 8
2	Fuel Pressure Regulator
3	Cylinders 2 and 4
4	Cylinders 5 and 7
5	Cylinders 1 and 3

FIGURE 2



5. Orient the fuel tubes to coincide with their corresponding cylinder. The fuel tubes are numbered on the side of the fuel meter body and the corresponding cylinder number is cast in the intake manifold.

Notice: Use caution when inserting injectors into lower intake manifold to be sure the correct injector is being placed into the correct hole. Injectors should not be removed once they have been installed. Removal of injectors from the intake manifold may cause damage to the retaining lugs on the injector.

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

Multiport Flexible Injection

IR 13FE06

PART TWO

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2

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