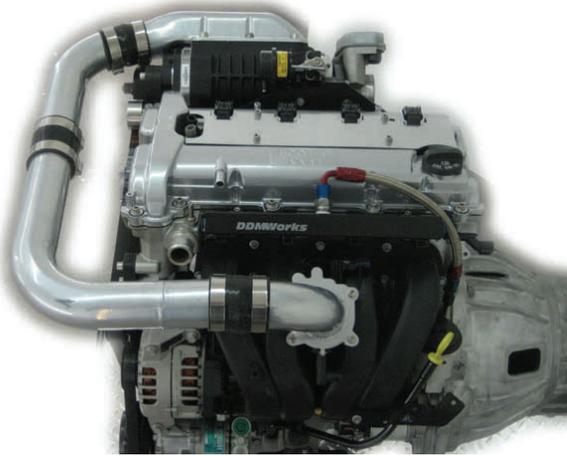




**High Flow Center Feed Fuel Rail 2.4L LE5
DDM-08-004A**



This high flow center feed fuel rail helps to maintain an even flow of fuel across all cylinders, and is especially suited to modified engines requiring extra fuel.

Installation time of the fuel rail depends on you and your mechanical skills. It is suggested that you read through the directions a few times to familiarize yourself with the components of the kit, and your car.

If you are pretty handy with tools the intake can be installed in 30 minute, however we suggest that you schedule at least a couple of hours for the installation.

ASSEMBLY INSTRUCTIONS

- End Caps -70 ft/lbs of torque
- Center Feed - 94 ft/lbs of torque

Before we start installing the kit, you will need to do the following:

1. Disconnect the negative terminal from the battery.
2. **Make sure that you are in a well ventilated area away from open flames and open the gas cap to relieve pressure in the fuel system.**

PACKING LIST

QTY	ITEM
1	ASSEMBLED CENTER FEED RAIL
6	M6X12 SOCKET HEAD (4 installed)
6	M6 WASHERS (4 installed)
4	Zip Ties

Tools Needed

10mm deepwell socket and socket wrench
3/8" drive extension
Needle nose pliers
WD-40
GM Fuel Disconnect Tool



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Rev. 7-11-11 MJB

Installing the new fuel rail

The fuel injectors are located under the metal fuel rail on the drivers side of the engine.

1. Start by disconnecting the electrical connections on the fuel injectors.
2. Next remove the two 10mm head bolts that are holding the fuel rail in place, your gas cap is still removed, right?
3. Once those two bolts are removed carefully pull on the rail away from the engine. There also may be some fuel spilled, make sure that you have some towels around to soak it up.
4. Now remove the injectors from the fuel rail and head so that all 4 are removed from the car. There are small gray colored plastic pieces that may have stayed in the head, or may have come out on the injectors. You need to make sure that all of these go back into the head, they seal the injectors to the car and are very important.
5. To remove the injectors from the fuel rail, there is a small metal clip that holds them into the fuel rail. Using a pair of needle nose pliers carefully pull on this clip. Once this clip is removed the injector can be removed from the fuel rail. Remove all 4 injectors at this time.
6. Now we will put the injectors in the new fuel rail. Spray a little WD40 or other lubricant on your fingers and lubricate the seals on the injectors, this will help them to slide into place and seat properly. It is a little tough to get the injectors started going into the rail and a lubricant and working the injectors back and forth will help.
7. Push the injectors into the fuel rail and secure them with the small metal clamps that you pulled off of the stock injectors. When re-installing these clamps make sure that they fit into the small indentations on the injectors that are made for them.
8. Once all 4 of the new injectors are installed in the fuel rail, re-insert the fuel rail and injectors into place. The gray plastic pieces in the head will help guide the injectors back into place. Be very careful when re-installing the injectors that they are all lining up with their holes correctly, as you do not want to bang up the end of the injectors. There are 2 new bolts supplied with the new fuel rail to secure it to the engine, make sure to use them instead of the old hardware when putting the new fuel rail back on.
9. Make sure to plug the injectors back into the wiring harness.
10. Re-attach the negative battery terminal and re-install the gas cap.

