

Hi-Flow Fuel Rail Kit

Part # 5020



Special Tools

Required:

- 3/8" Spring Lock Tool
- White Grease

Install Time:

Approximately
2 Hours

Difficulty:

3 out of 5

Follow these instructions carefully to ensure correct fitment and operation.

STEP 1

- Disconnect the negative battery terminal. Place a rag over the trunk latch to keep from latching. Remove the oil cap and lift up on the engine cover to remove. Then replace the oil cap.

STEP 2

- Remove the black cap from the Schrader valve on the front of the driver side fuel rail. Use a small flathead screw driver to push the valve in and relief the fuel pressure in the rails. Use a rag to capture escaping fuel. Clean up any spilled fuel.

STEP 3



- Using the 3/8" spring lock tool, remove the fuel feed line from the driver side rail.

STEP 4

- Unplug the fuel injector wiring by lifting up on the green tab to release the plug then pull it up.

STEP 5



- Remove the rear engine cover plastic mounting bracket. This will NOT be re-installed.

STEP 6

- Remove the four bolts that retain the fuel rails to the intake manifold. Pull up on the rails to remove from the intake. There are 2 brackets at the rear of the intake that need to be removed so the BBK Fuel Rails will fit. Remove all 10 intake mounting bolts and slide the intake manifold forward to remove the rear bolts and remove the unneeded brackets. Re-position the intake manifold and tighten the bolts. Start from the center and work your way out to each end when tightening.



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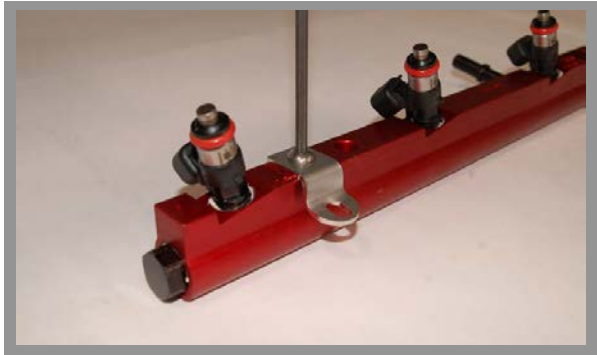
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STEP 7

- With the stock fuel rail and injector assembly on a work bench, remove the clips that retain the injectors to the rail. Remove the injectors by simply pulling them out and clean up any spilled fuel.
- Begin the assembly of the BBK Fuel Rails by installing the supplied o-rings in all the fittings. A touch of white grease on the o-rings will help them seal when installed. Install the -6 male hose connector fittings in the rear of each fuel rail. Install the cap fittings in the front of each rail. Install the fuel feed fitting in the side of the driver side fuel rail.

STEP 8



- Install the supplied mounting brackets onto the bottom of the BBK Fuel Rails using supplied 1/4"-20 button head screws. Use the holes marked LS2.

STEP 9

- Inspect the o-rings on the injectors for any defects, replace if necessary. Wipe a small amount of white grease to aid in the assembly. Install the injectors into the BBK Fuel Rails.

STEP 10



- Use the four .300" tall black aluminum spacers under the mounting brackets, one per bracket, and install the assembled fuel rails into the intake manifold. Secure with the provided button head screws and washers. Give the rails a push down to seat the injectors into their bungs.

STEP 11

- Reconnect the injector wiring plugs. Push down on green tab to lock plug in place.

STEP 12

- With a dab of white grease on the fuel fitting, install the stock fuel feed line to the fitting. Push all the way on and give a little tug to make sure the spring lock is secure. Re-install the stock fuel line lock.

STEP 13

- Assemble the rubber cross over hose with the supplied -6 barbed hose ends. Make sure the hose is pushed all the way on the barbed ends.

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STEP 14

- Put a small bit of anti seize compound on the male hose connector threads and ends. This will aid in the screwing on of the rubber hose fittings and help the fittings seal when tightened.

STEP 15

- Install the rubber hose to each end of the rail and tighten the hose end nuts.

STEP 16

- Reconnect the negative battery terminal and turn the key on and off a couple of times to cycle the fuel pump and prime the fuel rails. Check for any leaks.

STEP 17

- If no leaks are found then start the engine and again watch for any leaks.

STEP 18



- To re-install the engine cover, remove the white rubber clip from the underside of the engine cover, on the passenger side, next to the oil cap fill hole. Install the cover and re-install the oil cap. The oil cap and front driver side mounting pin will hold the cover into place. The heater hoses may need to be re-positioned to the left side of the passenger side fuel rail.

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