



## 2010 CHEVY CAMARO V8 HI-FLOW FUEL RAIL KIT PART# 5020

### INSTALLATION INSTRUCTIONS

**TOOLS REQUIRED-** 8, 10mm socket, ratchet, 10mm, 11/16" wrench, 5/32" allen wrench, 3/8" springlock tool. White grease, antisieze compound.

- STEP 1** Disconnect negative battery cable. Place rag over trunk latch to keep from latching.
- STEP 2** Remove oil fill cap and lift up on engine cover to remove. Replace oil cap.
- STEP 3** Remove black cap from shraeder valve on front of driverside fuel rail. Use a small blade screwdriver to push valve in and relieve fuel pressure in rails. Use a rag to capture escaping fuel. Clean up any spilled fuel.
- STEP 4** Remove fuel line lock from fuel feed line. Using the 3/8" spring lock tool, remove fuel feed line from the driver side rail. **Fig 2.**
- STEP 5** Unplug injector wiring by lifting up on green tab to release plug. Pull plug up.
- STEP 6** Remove rear engine cover plastic mounting bracket. This will not be reinstalled. **Fig 1.**
- STEP 7** Remove four bolts that retain the fuel rail to the intake. Pull up on rails to remove from intake.
- STEP 8** There are two 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 intake manifold forward to remove the rear bolts and remove the unneeded brackets. Reposition intake manifold and tighten bolts. Start in the center and work your way out to each end when tightening them.
- STEP 9** With the stock fuel rail and injector assembly on a workbench, remove the clips that retain the injectors to the rail. Remove injectors by pulling them out. Clean up any spilled fuel.
- STEP 10** Begin 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.
- STEP 11** Install the -6 male hose connector fittings in the rear of each rail. Install the cap fittings in the front of each rail. Install the fuel feed fitting in the side of the driverside rail.
- STEP 12** Install the supplied mounting brackets onto the bottom of the BBK fuel rails using supplied 1/4"-20 buttonhead screws. Use the holes marked LS2. **Fig 3.**
- STEP 13** Inspect the o-rings on the injectors for any defects, replace if necessary. Wipe a small bit of white grease on the o-rings to aid in assembly. Install the injectors into the BBK fuel rails.
- STEP 14** 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 provided buttonhead screws and washers. Give the rails a push down to seat the injectors into their bungs. **Fig 4.**
- STEP 15** Reconnect the injector wiring plugs. Push down on green tab to lock plug inplace.
- STEP 16** With a dab of white grease on the fuel feed 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. Reinstall stock fuel line lock.
- STEP 17** Assemble rubber crossover hose with supplied -6 barbed hose ends. Make sure the hose is pushed all the way on the barbed ends.
- STEP 18** Put small bit of anti sieze compound on the male hose connectors threads and ends. This will aid in the screwing on of the rubber hose fittings and help the fittings seal when tightened.
- STEP 19** Install the rubber hose to each rail and tighten the hose end nuts.

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- STEP 20** Reconnect the battery cable and turn key on and off a couple of times to cycle the fuel pump and prime the fuel rails. Check for any leaks.
- STEP 21** If no leaks are found, start engine and again watch for any leaks.
- STEP 22** To reinstall the engine cover, remove the white rubber clip from the underside of engine cover, on the passenger side, next to the oil fill cap hole. Install cover and reinstall the oil cap. The oil cap and front driverside mounting pin will hold cover inplace. The heater hoses may need to be repositioned to the left side of the passenger side fuel rail. **Fig 5.**



***Kit assembled with injectors.***



***Fig 1. Engine cover bracket not reused.***

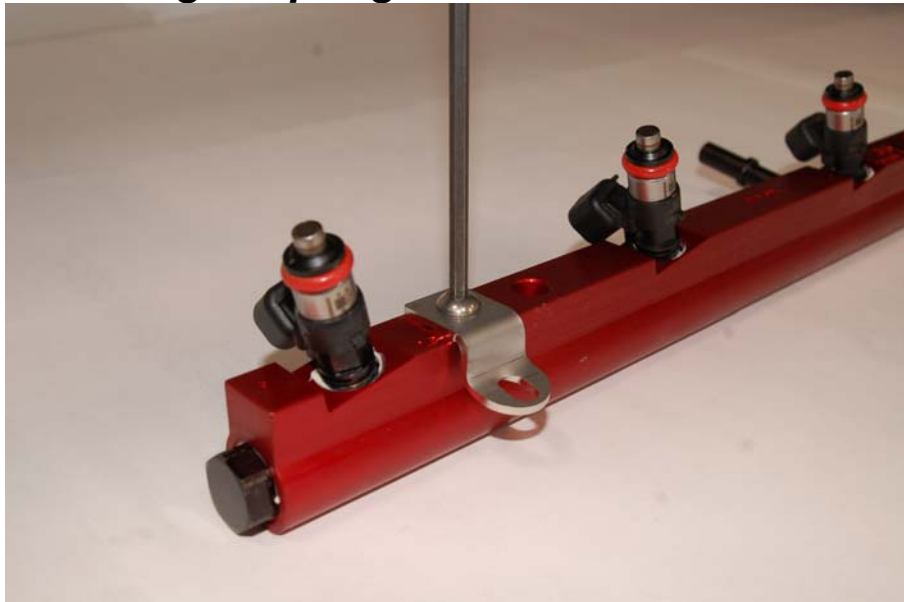
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***Fig 2. Springlock release tool.***



***Fig 3. Bracket installed on rail.***

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***Fig 4. Spacer installed at rail mounting hole.***



***Fig 5. Clip removed so engine cover can be reinstalled with BBK fuel rail kit.***

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