Installation Manual

Fuel Rail Kit Holden VN-VT EFI 5.0L

PFEFRKHOL5BK

Included Items	QTY
PFEFRKHOL5BK Billet Fuel Rails	2
PFEFRKHOL5BK Mounting Bracket & Screws	4
PFEFRKHOL5BK Cross-over Tube Assembly	1
PFE920-08BK -08AN ORB Fitting To -08AN Male	4
PFE820-06BK AN Flare Cap -06AN	1
PFE920-06 -06AN Washer Fitting to -06AN Male	1

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

WARNING: THE INSTALLATION OF THIS PRODUCT REQUIRES THE HANDLING OF FUEL. IT IS RECOMMENDED TO WORK IN A WELL-VENTILATED AREA AND WEAR APPROPRIATE PERSONAL PROTECTION. KEEP ALL IGNITION SOURCES AND FLAMES AWAY FROM THE VEHICLE AT ALL TIMES.

Typical Installation

1. Disconnect the negative battery terminal and the 8 fuel injectors. Note that the wiring harness is specific to firing order so they must be reinstalled to the correct injector.

2. Disconnect the feed and return lines, any wiring, vacuum lines and throttle body components that may interfere with the installation process.

3. Refer to the factory service manual and disassemble the factory fuel rail from the manifold. To relieve fuel pressure, disconnect the fuel pump connector and turn the vehicle on and allow the engine to stall. Turn ignition off and allow engine to cool before proceeding.

4. Ensure the mounting brackets are installed to each fuel rail and are tightened with the supplied countersunk head screws (should come preassembled). Apply a low strength threadlocker to these screws.

5. Install any necessary adapter fittings (4x -08AN ORB fittings included) into each fuel rail port. Ensure to lubricate the o-rings prior to installation.

6. Install the -06AN fitting to the bottom port of the long fuel rail with the supplied crush washer and plug with the provided block-off cap depending if you wish to run a single or dual feed setup (please contact us if you are unsure).

7. Clean out any dirt and debris found in the intake manifold injector seat bores.

8. Install full length injectors into the manifold with a coat of oil applied to the o-rings and injector bores to avoid damaging any o-rings.

9. Align each fuel rail assembly above the injectors on the manifold and press down firmly until the injectors slide into the fuel rail ports (Proflow logo facing outwards). Ensure all o-rings are lubricated prior.

10. Confirm that all injectors have been installed properly and rotate them so their wiring plug's are accessible.

11. Secure both rails onto the manifold by tightening the mounting bolts (not supplied) through the fuel rail brackets to the correct factory torque specifications.

12. Install the cross-over hose provided in the kit to the ends of both fuel rails. Do not overtighten fittings.

13. Connect fuel feed and return lines to the correct ports of the fuel rails depending on your fuel system setup. You will have to modify the factory fuel lines and fuel pressure regulator in order to correctly plumb your fuel system. If you are unsure on how to do this, please contact us.

14. Reinstall all components and wiring previously removed with reference to the factory service manual and cycle the key a few times without starting the engine. This will prime the fuel pump prior to starting the vehicle.

15. If no leaks are found, start the engine and check again for leaks while the engine is running. Once a final inspection is done, the installation is complete.