



Installation Manual

Fuel Rail Kit Holden VT-VZ LS1

PFEFRKLS1BK



Included Items	QTY
PFEFRKLS1BK Billet Fuel Rails	2
PFEFRKLS1BK Mounting Bracket & Screws	4
PFE920-08BK -08AN ORB Fitting To -08AN Male	4
PFE814-08BK -08AN ORB Plug	2

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.

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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 the fuel rail and are tightened with the included screws and lock washers.
5. Install any necessary adapter fittings (4x -08AN fittings included) into the ports you will be using on the rail. This process will vary depending on your setup. Ensure to lubricate all o-rings prior to installation.
6. Plug all other ports not in use with the appropriate port plugs (2x -08AN plugs supplied for the centre ports).
7. Clean out any dirt and debris found in the intake manifold injector seat bores before proceeding.
8. Install the injectors into the intake manifold ports with a coat of oil applied to the o-rings to avoid damaging them. This rail suits a full length injector, but can suit short and standard length injectors with the appropriate injector adapters (not included).
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 utilizing the 4 factory mounting screws (or other M6 screws) and tighten to 8 Nm.
12. Connect any other fuel plumbing accessories and hoses to the fuel rails. 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.
13. 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.
14. If no leaks are found, start the engine and check again for leaks while the engine is running. If no leaks are found, the installation is complete.

Note: OEM fuel pressure is approximately 55-60 PSI (as stated by GM).