



Application: Corvette 2008-2013

Part Includes

1 - Super Victor LS3 Manifold

Super Victor LS3 Intake Manifold



Tools Needed



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Please study these instructions carefully before beginning this installation. Most installations can be accomplished with common tools and procedures. However, you should be familiar with and comfortable working on your vehicle. If you do not feel comfortable performing this installation, it is recommended to have the installation completed by a qualified mechanic.

IMPORTANT: PROPER INSTALLATION IS THE RESPONSIBILITY OF THE INSTALLER. IMPROPER INSTALLATION MAY RESULT IN POOR PERFORMANCE AND ENGINE OR VEHICLE DAMAGE.

CAUTION: MAKE SURE THE VEHICLE'S BATTERY HAS BEEN DISCONNECTED AND THAT THE VEHICLE IS SUPPORTED ON A LEVEL SURFACE TO PREVENT ANY POSSIBILITY OF THE VEHICLE MOVING DURING THE INSTALLATION PROCEDURE.

STEP 1.

Use only original equipment intake manifold O-ring gaskets. Due to the larger port exits on these manifolds, the O-ring gaskets will require a little stretching to fit into the O-ring grooves. This will have no effect on how the O-rings seal. Gasket sealer is not required when using OEM type gaskets. Using appropriate mounting hardware (not included) to mount the manifold to the engine. **NOTE: BOLT LOCATION 3 AND 4 REQUIRE THE USE OF THE SUPPLIED M6 X 50MM STUD, M6 NUT, AND 1/4" WASHER, INCLUDED WITH EVERY MANIFOLD (FIGURE 1). INSTALL THE STUDS INTO THE HEADS PRIOR TO PLACING THE MANIFOLD ON THE ENGINE.** Following the torque sequence in Figure 1, torque all manifold bolts to 11 ft/lbs.

STEP 2.

These manifolds require the use of a carb mounted throttle bracket. Carb mounted throttle brackets are available at your local performance shop and online retailer. Select the appropriate cable brackets for your application (large or small opening brackets) and attach them to the throttle bracket with the appropriate hardware.

STEP 3.

Use the included hardware, if applicable, to install the fuel rails (not included). The fuel rail mounting holes are spaced 11.557" apart.



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Description (cont.)

INJECTOR SELECTION AND INSTALLATION

It is important to select the appropriate electronic injectors for optimum performance. The injectors must not only match the fuel demands of an engine, but they must also match the electronic capability of the engine control unit (ECU). When installing the injectors onto the manifold, make sure that the O-rings of the injectors create a complete seal to prevent any air or fuel leaks. The same precaution should be applied when assembling the injectors to the fuel rails. Use assembly lube on all O-rings when installing injectors.

FINAL CHECKS

After assembling the injectors, fuel rails, support brackets, throttle body, spacer (if needed), gaskets, and air cleaner, check the following:

- Have an assistant depress and release the gas pedal. Check for full open throttle at the throttle body. Check for any possible interference of the throttle with other components. Make sure the throttle can return without binding.
- EFI manifolds need to check the fit of each injector. They should be able to rotate freely. The O-rings should be fully inside their respective bores.

Activate the fuel pump and fully check the system for any leaks. Repair all leaks prior to starting the engine.

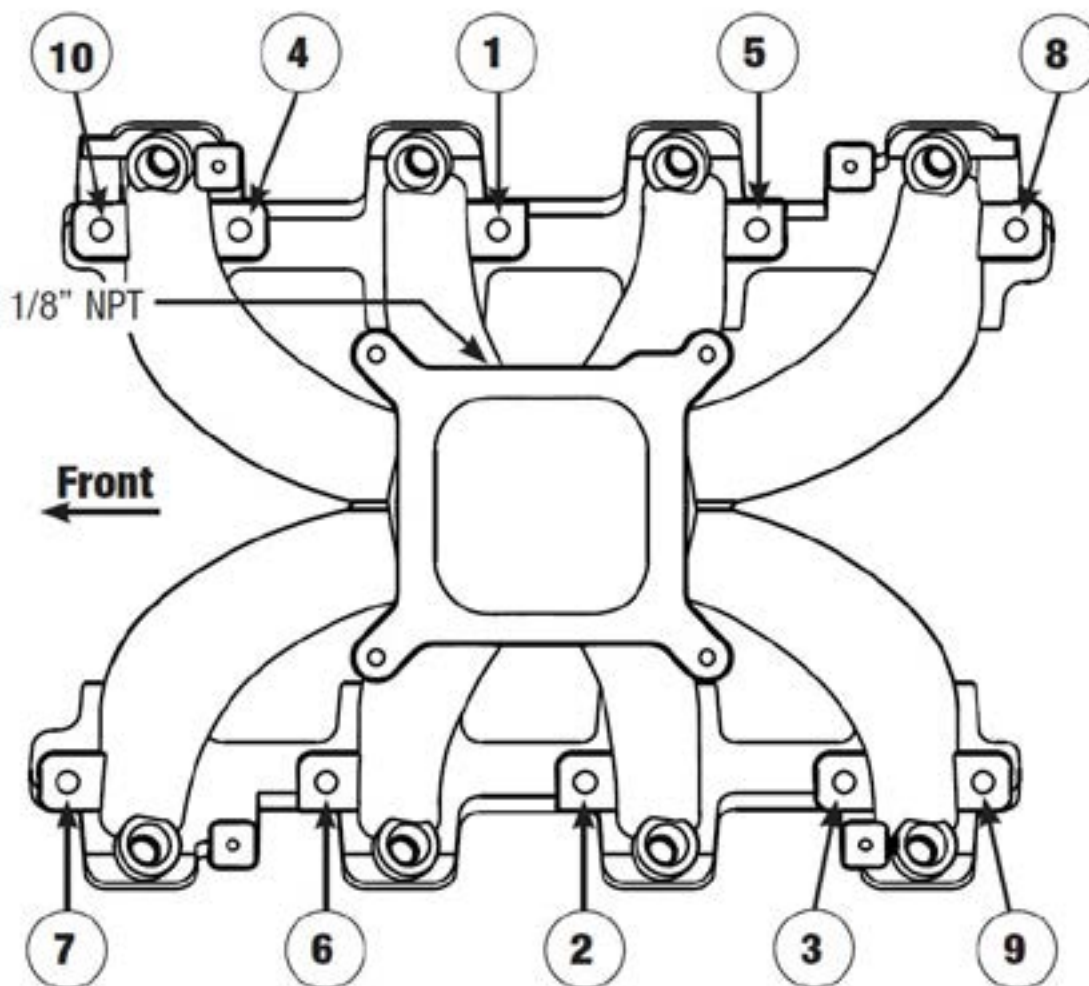


Figure 1 - Intake Manifold Tightening Sequence
Torque All Bolts to 11 ft-lbs