

# INSTALL/REMOVAL INSTRUCTIONS: INTAKE MANIFOLD

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully. Failure to do so will result in severe damage to the intake manifold and to the engine.

## REMOVAL/INSTALL OF INTAKE MANIFOLD 4.6 LITER FORD TRUCK

### General Tech Tips:

- This updated manifold does not require additional intake gaskets. The intake gaskets are already installed into the manifold.
- Be sure to fully seat the injectors when installing the fuel rail. Failure to do so will result in a vacuum leak.
- To install fuel rail start all fasteners for three rotations. Tighten down (6Nm-7Nm). (Not all self-tapping screws are used for every application).
- Do not over tighten.

**1. Carefully remove intake manifold per the service procedure outlined in shop manual.**

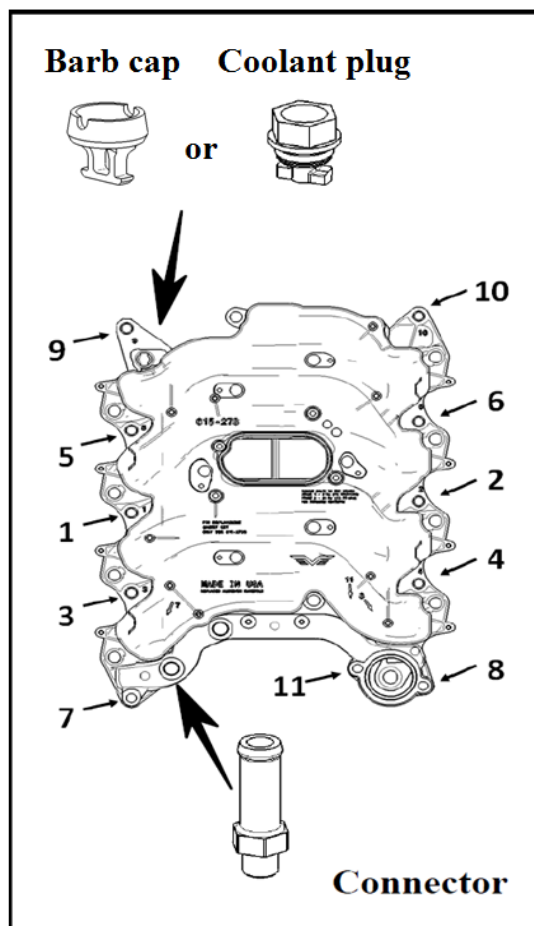
**2. Clean mounting surface.**

**3. Pre-assemble barb cap or coolant plug with O-ring included.**

**Push down and rotate clockwise.**

- Barb cap : to connect coolant hose
- Coolant plug : to plug up the nipple

**4. Pre-assemble connector to new manifold as shown, if required. Use proper thread sealer while assembling the metal connector. Not all applications need these parts.**



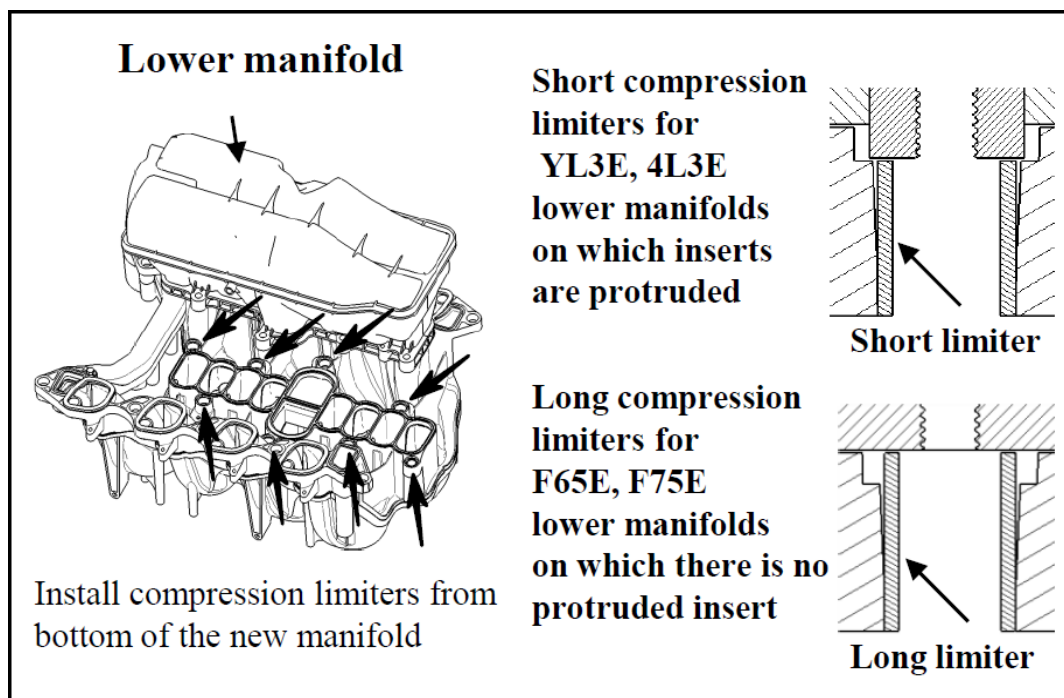
Disclaimer:

Even though every attempt is made to ensure this information is complete and accurate, it is impossible to account for all possible circumstances or situations. Please consult with a qualified auto technician before attempting to perform any work you are not qualified to do. Automobiles can be hazardous to work on; be sure to take all necessary safety precautions. Failure to do so may result in property damage or personal injury. Certain motor vehicle standards and performance requirements may apply to our motor vehicle (such as Federal Motor Vehicle Safety Standards by the National Highway Traffic Safety Administration). Be sure that your work is performed in accordance with such standards and that you do not disable any motor vehicle safety feature.

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**5. Pre-assemble compression metal limiters to the holes at the center bottom of the new manifold. Use short limiters if the original lower manifold has YL3E or 4L3E Ford part number prefix and use long limiters if the original lower manifold has F65E or F75E prefix. (See below picture)**



**6. Install new intake manifold per shop manual.**

**7. Pre-install intake bolts.**

**8. Tighten intake bolts as follows in sequence shown below:**

- Stage One: 2 Nm (18 inch lbs.)
- Stage Two: 25 Nm (18 ft. lbs.)

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