

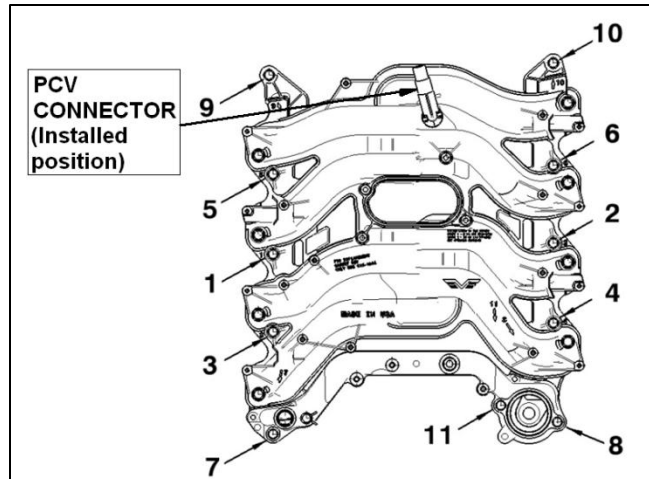
# 5.4 LITER FORD INTAKE MANIFOLD INSTALLATION INSTRUCTIONS ATTENTION!

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!

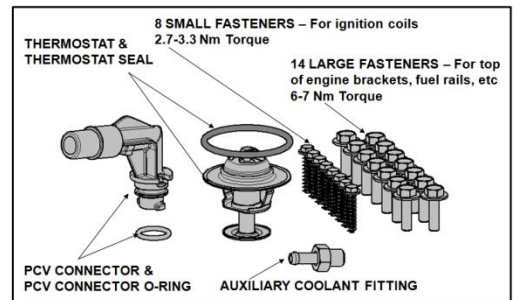
1. Carefully remove intake manifold per the service procedure outlined in shop manual.
2. Clean all mounting surfaces.
3. Reinstall intake manifold per shop manual.
4. Tighten intake bolts as follows:
  - Stage One: 2 Nm (18 in-lbs)
  - Stage Two: 25 Nm (18 ft-lbs)
5. Install intake bolts in sequence shown.

## TECH TIPS

- This air intake manifold design does not require additional intake gaskets. The intake gaskets are already installed into the manifold.
- Be sure to fully seat the injectors into intake manifold when installing the fuel rail. Failure to do so will result in a vacuum leak and/or may prevent fuel rail from being properly attached.
- There are two sizes of thread-forming screws.
  - The small thread-forming screws are used for mounting the ignition coils. Tighten to 2.7 to 3.3 Nm torque. **DO NOT OVERTIGHTEN!**
  - The large thread-forming screws are to be tightened to 6 to 7 Nm. **DO NOT OVERTIGHTEN!**
  - To install fuel rail fasteners, start each large fasteners for three full rotations before tightening any fastener completely.
- Some large self tapping screws provided may not be used in your application – number of fasteners used will vary based upon vehicle application
- To attach PCV system connector at back of manifold, after installing o-ring, point PCV connector towards passenger side of vehicle, lower connector into intake manifold and rotate connector clockwise until PCV connector locks/clicks into place.
- Transferring NVH cover from original manifold is not required, if original manifold was provided with one.
- Provided in the component kit will be an auxiliary coolant fitting that has sealant pre-applied to the threads. Only for original applications that require an additional coolant connection, the installed plug must be removed. The provided auxiliary coolant fitting should be installed wrench-tight. Do not exceed 10 Nm. 1-3 threads showing. **DO NOT BOTTOM OUT FITTING!**



## COMPONENT KIT



## AUXILIARY COOLANT FITTING

Installed plug should be replaced only by customers that require second coolant connection. Install fitting wrench-tight. Do not exceed 10 Nm torque. 1-3 threads will be showing for properly installed fitting. **DO NOT BOTTOM OUT FITTING!**

