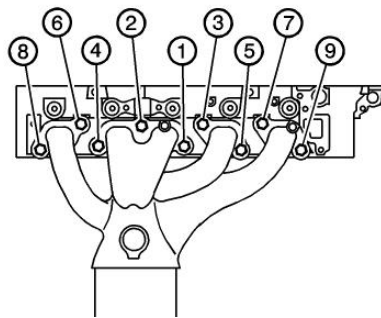


ALL MANIFOLD CONVERTERS

Sequential Torque & Tightening of Manifold Converter Bolts

- Subject:** Sequential Torque & Tightening of Manifold Converter Bolts
- Model(s):** All engines with Manifold Catalytic Converters
- Year:** 1997 to present.
- Condition:** Unmetered air leaks or exhaust manifold gasket not sealing.
- Cause(s):** Improper tightening of the Manifold Converter Bolts
- Solution:** ALL Manifold bolts must be sequentially tightened and torqued to manufacturer's specs. These bolts should be tightened in four (4) stages in a spiraling pattern starting with the inner bolts working sequentially outward per the illustration below.

The first tightening should be to snug the bolts only and to check for proper new gasket alignment. The second tightening should be to 25% of the manufacturer specs. The third tightening should be to 75% and the last should be to 100%. All bolts should be checked and re-torqued after the first heat and cool down cycle.





Your Source for Hard - to - Find Catalytic Converters

2004-10 GM 2.2L & 2.4L Manifold Converters

Proper Identification of the Vehicle Emissions System

- Subject:** PZEV & Non PZEV Applications
- Model(s):** Chevy Malibu, Pontiac G6 & Saturn Aura
- Year:** 2004-10 Using our part numbers 19212 or 19292
- Advisory:** Installers must properly identify the vehicle's emission system to determine the correct part number for the application. The vehicles emissions ID tag is located under the hood of the vehicle in one of the following places: Under and on the hood structure, on the radiator support structure or on the strut tower.

