

Exhaust Manifold Cleaning and Inspection

Special Tool(s) / General Equipment

Feeler Gauge

Cleaning

1. Clean the exhaust manifold using a suitable solvent. Use a plastic scraping tool to clean the gasket sealing surfaces.

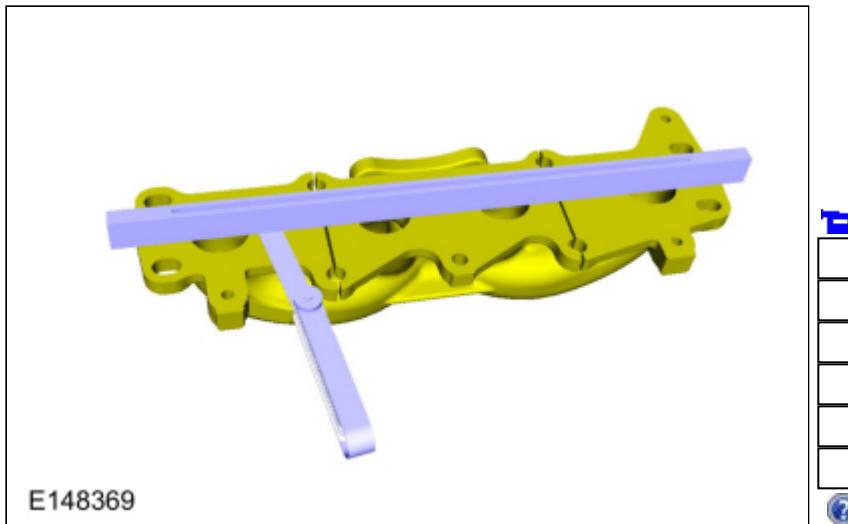
Inspection

1. **NOTE:** *New exhaust manifold gaskets, studs, nuts and/or bolts must be installed when an exhaust manifold is serviced.*

NOTE: *Use a Straightedge that is calibrated by the manufacturer to be flat within 0.005 mm (0.0002 in) per running foot of length, such as Snap-On® GA438A or equivalent. For example, if the Straightedge is 61 cm (24 in) long, the machined edge must be flat within 0.010 mm (0.0004 in) from end to end.*

Using the Straightedge and a Feeler Gauge Set, check the exhaust manifold sealing surface for warpage. If the warpage is greater than 0.76 mm (0.0299 in), install a new exhaust manifold.

Use the General Equipment: Feeler Gauge



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