



Broken Exhaust Manifold Studs On 1997-2010 Ford 6.8L VIN S Engines

The AERA Technical Committee offers the following information regarding broken exhaust manifold bolts on 1997-2010 Ford 6.8L, VIN S engines. This information applies to truck engines which are using the 2 valve per cylinder head. Generally, this condition is first noticed by excessive exhaust noise which is caused by manifold leakage.

This engine is used in the following vehicles:

FORD:

1997-2004 Expedition, F-150
1999-2010 E-Series, F-Super Duty
1999-2005 Excursion

LINCOLN:

1998-1999 Navigator

To reduce the likelihood of subsequent failure after repair, Ford now offers a stainless steel stud and nut for these applications. The stud is available with Part #W703902-S403 and the nut is available with Part #W701706-S2.

Any time these repairs are made the exhaust manifold gasket(s) must also be replaced for an effective repair. To install the components, torque the studs in the cylinder head to 71-115 IN/LBS (8-13 Nm) and torque the nuts on studs to 204-239 IN/LBS (23-27 Nm).