

SECTION 303-01C Engine — 6.0L Diesel

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IN-VEHICLE REPAIR**Exhaust Manifold — RH****Material**

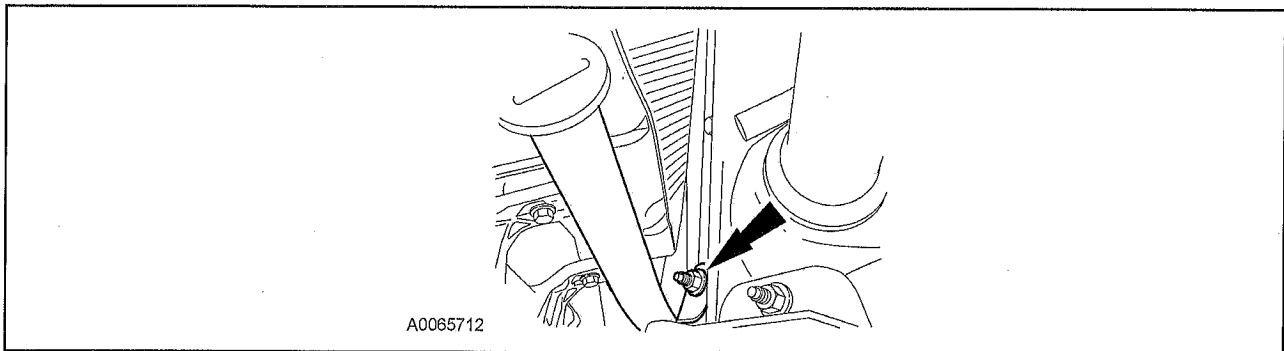
Item	Specification
High Temperature Nickel Anti-Seize Lubricant XL-2 or equivalent	ESE-M12A4-A

Removal**All vehicles**

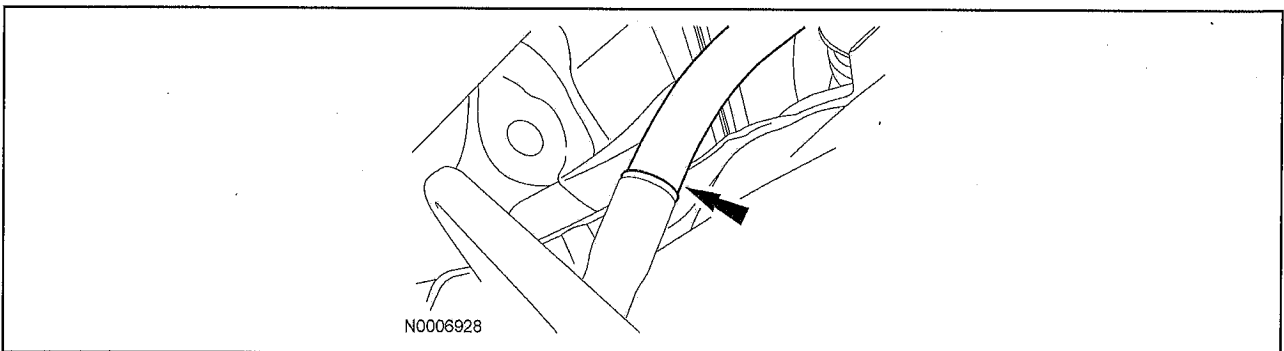
1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to Section 100-02.
2. Disconnect the LH and RH battery ground cables. For additional information, refer to Section 414-01.

Vehicles with automatic transmission

3. Remove the transmission fluid indicator. Remove the retaining nut and position the transmission fluid tube off the stud.

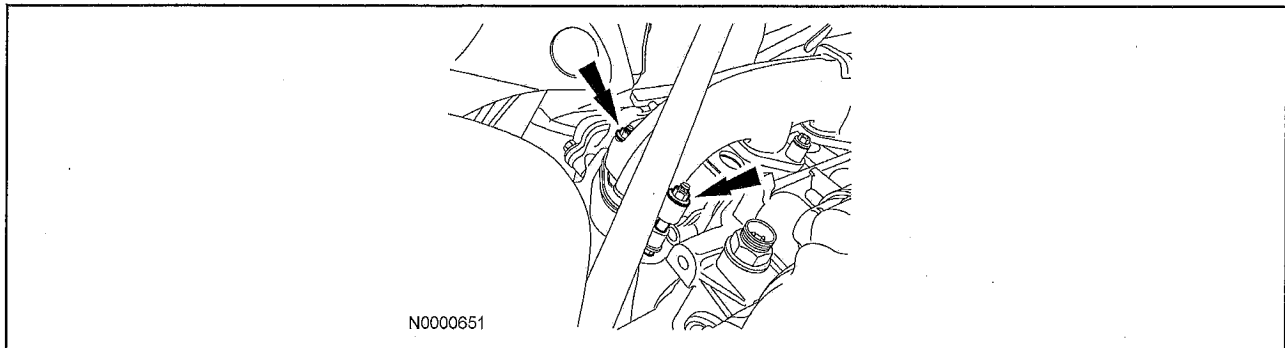


4. Separate the transmission fluid tube and position aside.

**All vehicles**

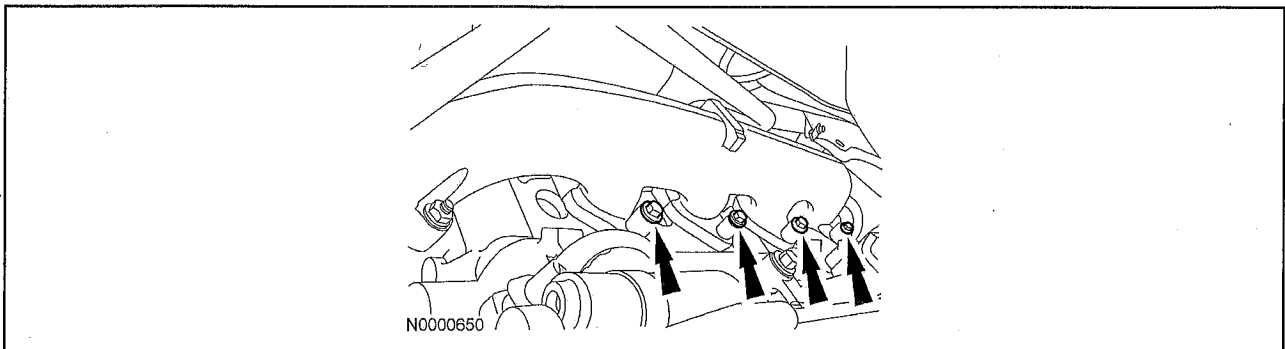
5. Remove the RH fender splash shield. For additional information, refer to Section 501-02.
6. Prior to removing the exhaust manifold, inspect the exhaust manifold for warpage with a feeler gauge between the manifold and the cylinder head. Record the measurement and compare with the specifications.
7. Remove the RH bolts for the turbocharger adapter pipe.

IN-VEHICLE REPAIR (Continued)



8. **NOTE:**
Bottom bolts shown, top bolts similar.

Remove the bolts and the RH exhaust manifold.

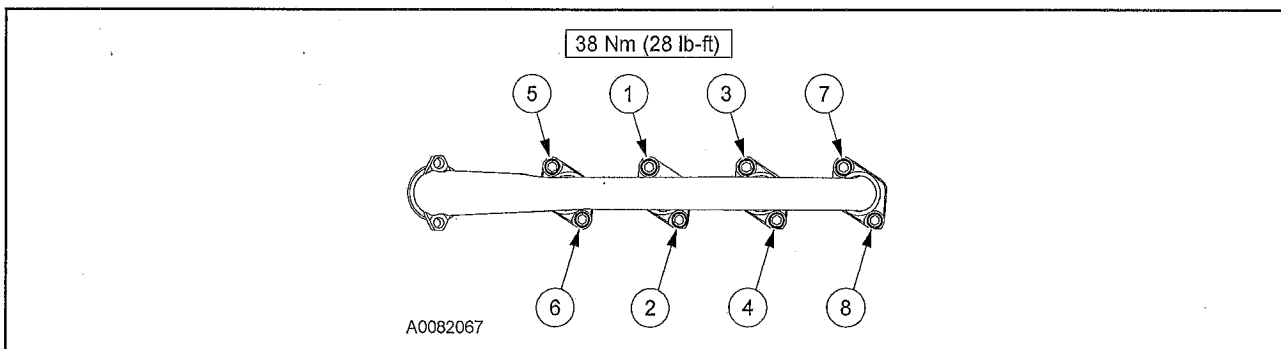
**Installation****All vehicles**

1. **NOTE:**
Start installing the bolts with the second bolt from the rear on the top. The hole diameter is smaller, therefore allowing alignment of the remaining bolts.

NOTE:
When installing the exhaust manifolds, use only prevailing torque hex flange bolts with an interference fit.

NOTE:
Apply anti-seize lubricant to the bolt threads prior to installing the bolts.

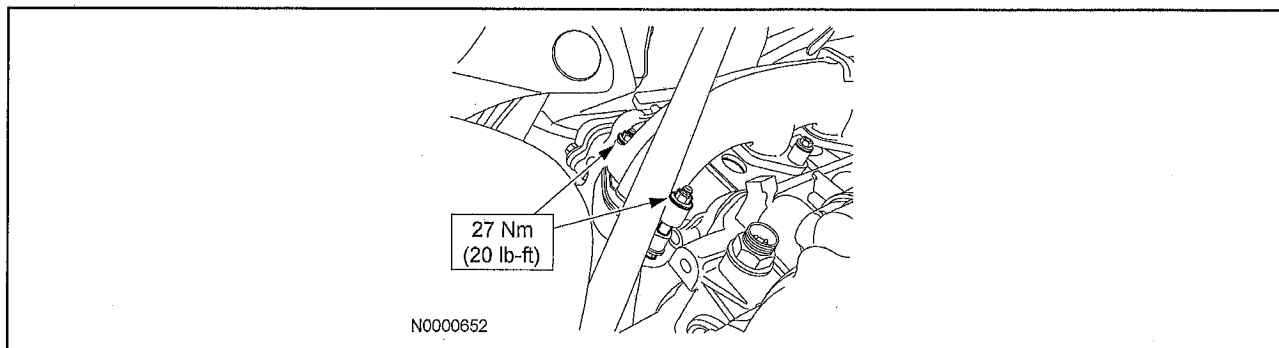
Install the RH exhaust manifold and bolts. Tighten the bolts in the sequence shown.



2. **NOTE:**
Apply anti-seize lubricant to the bolt threads prior to installing the bolts.

NOTE:
Alternately tighten the bolts to specification.

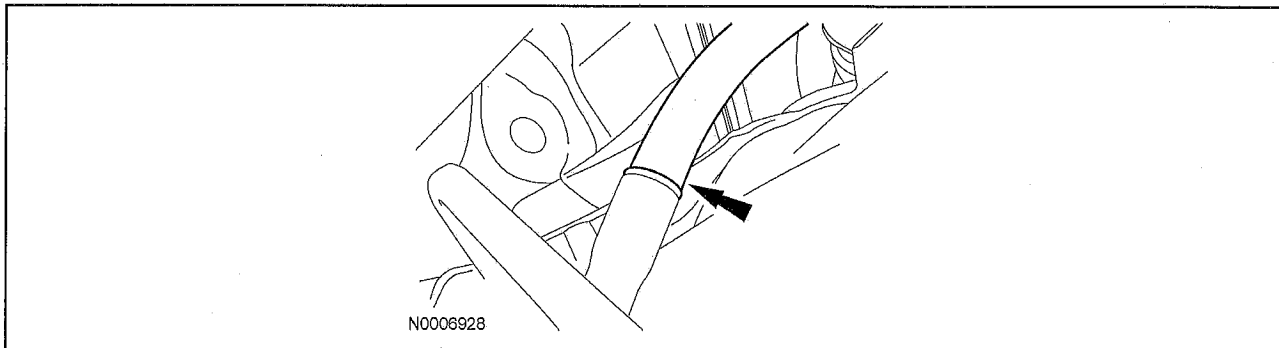
Install the RH bolts for the turbocharger adapter pipe.

IN-VEHICLE REPAIR (Continued)

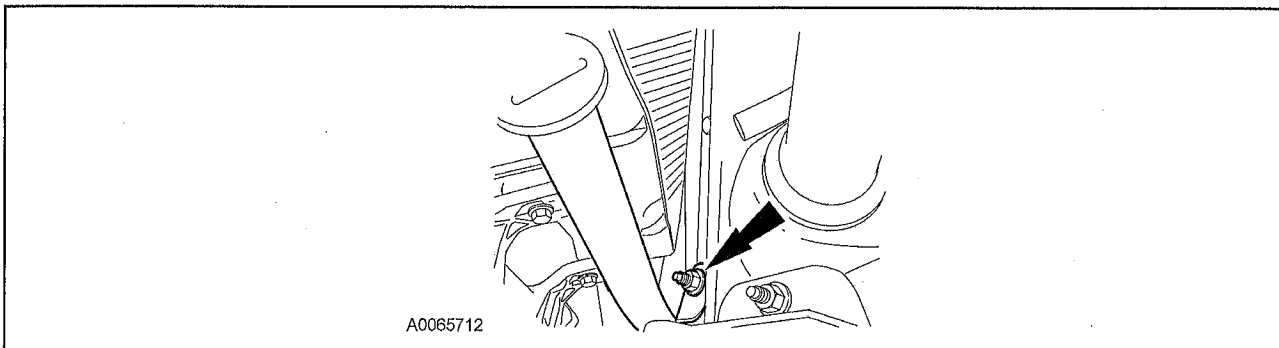
3. Install the RH fender splash shield. For additional information, refer to Section 501-02.

Vehicles with automatic transmission

4. Position back and install the transmission fluid tube.



5. Position the transmission fluid tube on the stud and install the retaining nut. Install the transmission fluid indicator.

**All vehicles**

6. Connect the LH and RH battery ground cables. For additional information, refer to Section 414-01.