

**FORD:**  
2003-2005 Excursion

2003-2006 F-Super Duty  
2004-2006 E-Series

This article supersedes TSB 05-20-5 to update the Service Procedure.

**ISSUE**

Some 2003-2006 F-Super Duty, 2003-2005 Excursion and 2004-2006 E-Series built with the 6.0L diesel engine may exhibit a whine/whistle noise coming from the turbocharger area.

**ACTION**

Refer to the following Service Procedure to isolate and repair the source of the noise.

**SERVICE PROCEDURE**

1. If a whine/whistle is present, use WDS datalogger active command function to open the EGR valve, or unplug the variable geometry turbo (VGT) control solenoid. This will reduce the exhaust back pressure.
  - a. If the whine/whistle noise is still present continue with normal diagnostics.
  - b. If the whine/whistle noise is not present continue with this TSB.
2. Use one of the following to verify the source of whine/whistle noise at the EGR Cooler connection.
  - a. Listening device (vacuum hose, etc).
  - b. Smoke from a smoke machine (Rotunda 218-00001 or equivalent) introduced into the exhaust pressure (EP) sensor tube.

**NOTE**

**CALIBRATING THE SMOKE MACHINE IS NOT NECESSARY.**

3. Replace the EGR cooler to Y-pipe gasket following Workshop Manual, Section 309-00 and tighten ERG Cooler V-clamp nut to 53 lb-in (6 N•m), or replace the EGR cooler to intake manifold gasket following Workshop Manual, Section 303-08.

**NOTE:** The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supercede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

| PART NUMBER   | PART NAME                   |
|---------------|-----------------------------|
| 3C3Z-9E933-AA | EGR Cooler To Y-Pipe Gasket |
| 3C3Z-9E933-BA | EGR Cooler To Intake Gasket |

**WARRANTY STATUS:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage

| OPERATION | DESCRIPTION   | TIME     |
|-----------|---|----------|
| 052109A   | 2003-2005 Excursion, 2003-2006 F-Super Duty 6.0L: Replace The EGR Cooler To Y-Pipe Gasket Includes Time To Use The WDS, And Smoke Machine (Do Not Use With 12650D, 12650D30, 9000D, 9000D1, 9000D2, 9424A, 6005F20, 6005F25)  | 3.3 Hrs. |
| 052109B   | 2003-2005 Excursion, 2003-2006 F-Super Duty 6.0L: Replace The EGR Cooler To Intake Manifold Gasket Includes Time To Remove And Install The Intake Manifold, Use The WDS, And Smoke Machine (Do Not Use With 12650D, 12650D30, 9000D, 9000D1, 9000D2, 9424A, 6005F20, 6005F25) | 5.2 Hrs. |
| 052109C   | 2004-2006 Econoline 6.0L: Replace The EGR Cooler To Y-Pipe Gasket Includes Time To Use The WDS, And Smoke Machine (Do Not Use With 12650D, 12650D30, 9000D, 9000D1, 9000D2, 9424A, 6005F20, 6005F25)  | 1.2 Hrs. |

052109D 2004-2006 Econoline 6.0L: 6.9 Hrs.  
Replace The EGR Cooler  
To Intake Manifold Gasket  
Includes Time To Remove  
And Install The Intake  
Manifold Use The WDS,  
And Smoke Machine (Do  
Not Use With 12650D,  
12650D30, 9000D,  
9000D1, 9000D2, 9424A,  
6005F20, 6005F25)

**DEALER CODING**

**CONDITION  
CODE  
D8**

**BASIC PART NO.  
9E933**