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TECHNICAL BULLETIN		
	May 2011 TB 2577	

Diesel Fuel In The Coolant On
2002-08 Ford 6.0L Diesel Engines

The AERA Technical Committee offers the following information regarding diesel fuel in the coolant on 2002-08 Ford 6.0L diesel engines. Some 2003-2007 F-Super Duty 250-750, 2003-2005 Excursion and 2004-2008 E-Series vehicles built on or before 9/30/2008 may exhibit fuel in engine coolant. This is due to leaks in the cylinder head fuel injector area. Symptoms may include fuel in engine coolant and coolant expulsion from the degas bottle.

Removal of the injectors and pressure testing of the cylinder head cooling system may show signs of porosity in the fuel injector bore area, as shown in figure below.

Pressurize the cylinder head and wipe the injector bore clean of any oil and fuel that may be present. Apply 10 PSI of air pressure to sealed cooling system and use a mixture of 50/50 water and soap.

Spray the injector bore and make sure that the bore is coated with a soapy layer of water. Look for tiny bubbles forming in the injector bore. A mirror or bore scope may assist in locating the bubbles. Most common area is between the two injector fuel sealing O-rings in the sealing area on the side nearest the cylinder glow plug shown in figure below.

If air bubbles are present, Ford recommends replacement of cylinder head.

The AERA Technical Committee

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Reference:	
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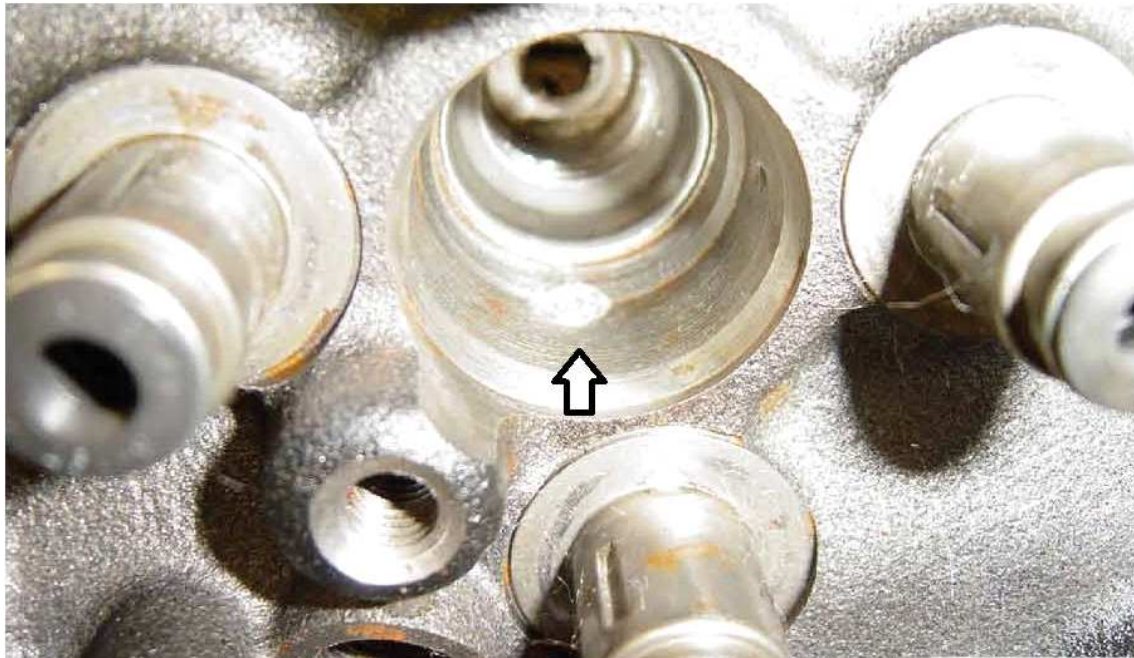
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Bulletin Diagram: FIGURE 1. COMMON LEAKAGE AREA - CHYLINDER HEAD



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