



## Engine Front Oil Leakage on 2008-2011 Mitsubishi 2.0 & 2.4L Engines

The AERA Technical Committee offers the following information regarding a front engine oil leak on 2008-2011 Mitsubishi 2.0 & 2.4L engines. Some drivers have noted excessive oil at the front of the crankshaft on these Lancer and Outlander engines.

This leakage may be due to the durability of the oil seal against foreign material, such as sand, which can damage the front main lip of the oil seal, allowing oil leakage to occur.

The design of the front oil seal has been changed to reduce the possibility of oil leakage. A rib has also been added to the oil seal to further prevent foreign materials from entering.

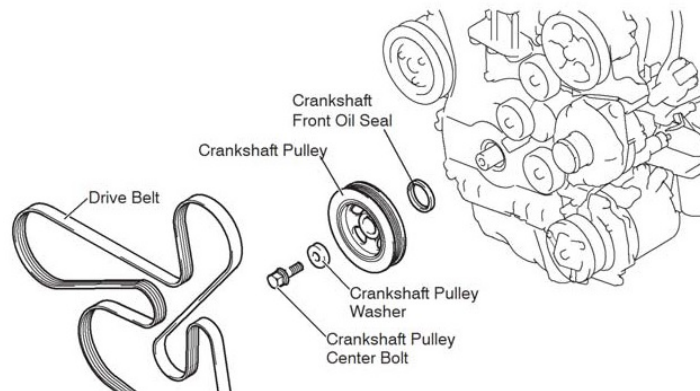
This TSB instructs technicians to inspect for oil leakage from the front of the crankshaft, and if confirmed, to replace the front oil seal. Then they're instructed to inspect and clean the rubber of the crankshaft pulley, and replace the crankshaft pulley if rubber is damaged.

All 2008-2011 Lancer, Lancer Ralliart, Lancer Sportback, Lancer Sportback Ralliart, Lancer Evolution, and Outlander vehicles built before the following dates:

- As of July, 2010, the design of the oil seal has been changed to prevent foreign material entering the seal.
- As of May, 2011, an additional rib has been added to the oil seal, in order to further prevent foreign material from entering.

Repair Procedure (Refer to Figure 1.)

- Remove the drive belt. Remove the crankshaft pulley bolt. Remove the crankshaft Pulley.
- Inspect for oil leakage from the front seal of the crankshaft.
- If leakage is confirmed, replace the front oil seal with a new front seal.



**Figure 1. Engine Front View**

- Inspect the rubber of the crankshaft pulley. Refer to the sample photos below.
- If the rubber of the crankshaft pulley is everted and/or deficient due to oil leakage, replace the crankshaft pulley with a new part.
- If the rubber of the crankshaft pulley appears normal, clean it with a clean cloth and reuse it.
- Do not use any cleaning agents to clean the rubber of the crankshaft pulley. Cleaning agents can deteriorate the rubber and cause future cracking and damage.
- Reassemble in reverse order of disassembly.

**Inspect Condition of Crankshaft Pulley Rubber**



**Figure 2. Crankshaft Pulley Re-Use Photos**

Model	Engine	Part Number		Quantity
		Oil Seal	Crankshaft Pulley	
Lancer	4B11	1052A809	1104A102	1
Lancer Sportback	4B12			1
Outlander	4B11			1
	4B12			1
Lancer Evolution	4B11-TC		1104A074	1
Lancer Ralliart				1
Lancer Sportback Ralliart				1