



Cold Engine Whines Below 50° F

SYMPTOM

A louder than normal whine is heard from a cold engine when the ambient temperature is below 50° F.

PROBABLE CAUSE

The engine oil pump gear clearances are out of spec.

CORRECTIVE ACTION

Replace the engine oil pump.

NOTE: This condition will not cause any internal engine damage, just noise.

PARTS INFORMATION

Engine Oil Pump:

P/N 15100-RZA-003, H/C 8410698

Flange Bolt, 14 x 115 (4 required):

P/N 90175-S5A-000, H/C 6579585

Flange Bolt, 14 x 80 (2 required):

P/N 90163 -SWE-T00, H/C 8607368

Flange Bolt, 12 x 35 (8 required):

P/N 90168-S5A-000, H/C 6462972

Flange Bolt, 14 x 107 (1 required):

P/N 90161-SR3-000, H/C 3898210

REQUIRED MATERIALS

Hondabond HT (1 tube repairs about 10 vehicles):

P/N 08718-004, H/C 8263386

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

Operation Number: 111150

Flat Rate Time: 3.4 hours

Failed Part: P/N 15100-RZA-003
H/C 8410698

Defect Code: 03214

Symptom Code: 03220

Template ID: 09-002A

Skill Level: Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

DIAGNOSIS

1. Make sure the ambient temperature is below 50° F and the engine is cold. Start the engine.

Does the engine make a louder than normal whine?

Yes - Turn off the engine, then go to step 2.

No - This bulletin does not apply.

2. With the engine still cold, remove the drive belt, then start the engine, and run it briefly while listening for the noise.

NOTE: Do not run the engine for very long, because the water pump and the alternator are not operating.

- If you still hear the noise, reinstall the drive belt, then go to REPAIR PROCEDURE.
- If you don't hear the noise, reinstall the drive belt, then continue with normal troubleshooting.

NOTE: A certain level of whine from the power steering pump is normal. Replacing the power steering pump will not change this noise.

REPAIR PROCEDURE

1. Remove the engine oil pan:
 - Refer to page 7-11 of the *2007–2008 CR-V Service Manual*, or
 - Online, enter keywords **OIL PAN**, and select **Oil Pan Removal** from the list.
2. Remove the engine oil pump:
 - Refer to pages 8-14 and 8-15 of the service manual, or
 - Online, enter keywords **OIL PUMP**, and select **Engine Oil Pump Overhaul** from the list.
3. Install the new engine oil pump assembly:
 - Refer to page 8-20 of the service manual, or
 - Online, enter keywords **OIL PUMP**, and select **Engine Oil Pump Overhaul** from the list.
4. Reinstall the oil pan:
 - Refer to page 7-30 of the service manual, or
 - Online, enter keywords **OIL PAN**, and select **Oil Pan Installation** from the list.