



Applies To: **2007–09 MDX – ALL**

January 15, 2010

MID or Navi Shows a Check Engine Oil Level Message, Low Oil Pressure Indicator May Be On

(Supersedes 09-012, dated June 17, 2009, to revise the information marked by the black bars)

REVISION SUMMARY

- In Applies To and under PARTS INFORMATION, the range was expanded to include all 2007–09 MDXs.
- Under PROBABLE CAUSE, the reason for this service bulletin was clarified.
- Under CORRECTIVE ACTION, a PGM-FI software update was added.
- A SOFTWARE INFORMATION section was added for the PGM-FI software update.
- Under WARRANTY INFORMATION and REPAIR PROCEDURE, a PGM-FI software update was added.

SYMPTOM

With a normal engine oil level, a “check engine oil level” message appears on the MID or the navigation screen. The low oil pressure indicator on the instrument panel may also be on.

PROBABLE CAUSE

- The PCM misinterprets the engine oil pressure input.

CORRECTIVE ACTION

- Replace the engine oil pressure switch, then update the PGM-FI software with the HDS.

PARTS INFORMATION

NOTE: On 2007 MDXs and early-production 2008 MDXs, the threads of the oil pressure switch are different than those on later '08 MDXs and '09 MDXs. To make sure you install the correct switch, use the oil pump ID information (see step 3 of REPAIR PROCEDURE).

Engine Oil Pressure Switch:

2007 MDX and early-production 2008 MDX -
P/N 37240-RDM-A01

■ Later-production 2008 MDX and 2009 MDX-
P/N 37240-R72-A01

O-ring (10.2 x 1.9) (for R72 switch only):
P/N 91319-R70-A01

SOFTWARE INFORMATION

HDS Software Version:

2.020.018 (December 2009) (green) **or later.**

Control Module (CM) Update:

Database Update 27-NOV-2009 **or later.**

NOTE: To avoid an incorrect repair that would not be covered under warranty, use the software version listed above or a later version.

The updated PGM-FI software program IDs and P/Ns are shown below. If the HDS is loaded with the latest software, and it displays **No Update Needed** during the update, the software for this service bulletin is already installed.

Year/Model	Program ID	Program P/N
2007 MDX	YEA580	37805-RYE-A58
2008–09 MDX	YEA630	37805-RYE-A63

WARRANTY CLAIM INFORMATION

The normal warranty applies.

OP#	Description	FRT
723120	Replace the engine oil pressure switch.	0.3
C	Add for updating the PGM-FI software with the HDS.	0.3

Failed Part: P/N 37240-RDM-A01

Defect Code: 03214

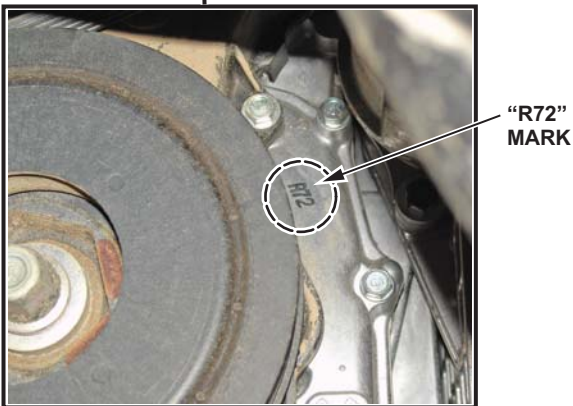
Symptom Code: 03205

Skill Level: Repair Technician

REPAIR PROCEDURE

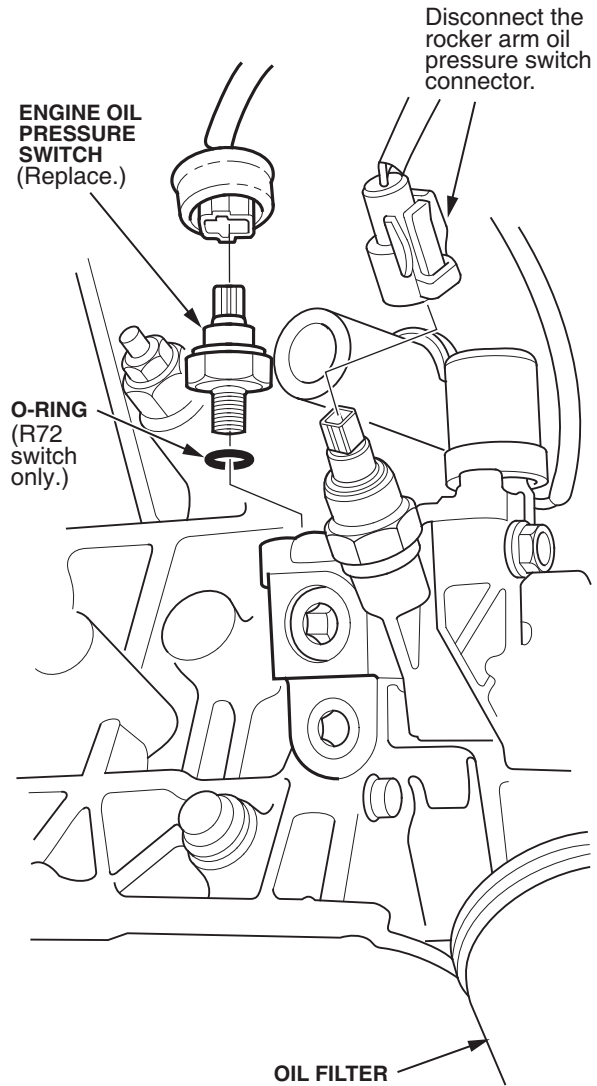
1. Start the engine, turn the steering wheel fully to the right, then shut off the engine.
2. Raise the vehicle on a lift, and make sure it's securely supported.
3. Detach the front clip from the right front inner fender. Pull back the edge of the inner fender, and look for an "R72" mark on the right side of the oil pump:
 - If the oil pump has the "R72" mark, use P/N 37240-R72-A01 for the new engine oil pressure switch.
 - If the oil pump does not have the "R72" mark, use P/N 37240-RDM-A01 for the new engine oil pressure switch.

Look for an "R72" mark on the right side of the oil pump.



4. Reattach the front clip to the right front inner fender.

5. For easier removal of the engine oil pressure switch, disconnect the rocker arm oil pressure switch connector.



6. Disconnect the engine oil pressure switch connector, then remove the switch.
7. Remove any liquid gasket from in or around the switch hole.
8. Apply a very thin layer of liquid gasket to the threads of the new switch. *R72 switch only: Install an O-ring.* Install the switch, and torque it to **18 N·m (13 lb-ft)**.
9. Reconnect the engine oil pressure switch connector and the rocker arm oil pressure switch connector.
10. Update the PGM-FI software with the HDS. Refer to Service Bulletin 01-026, *Updating Control Units/Modules*.