

Technical Service Bulletin Number
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TSB160066



Technical Service Bulletin

Subject

Lubricating Oil Leaks at Rocker Lever Cover

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- ISX12 G CM2180 EJ

Issue

Symptom:

- External oil leaks originating from a cracked rocker lever cover.

Root Cause:

- Oxygen sensor branch of wiring harness is pinched between rocker lever cover and rocker housing during removal and installation of rocker lever cover. See Figure 1 below.
- Capscrew 11 and/or 14 is/are still installed when attempting to remove rocker lever cover. See Figure 3 below for rocker lever capscrew position.



Figure 1, Example of Pinched Wiring Harness.



Figure 2, Example of Rocker Lever Cover Cracking.

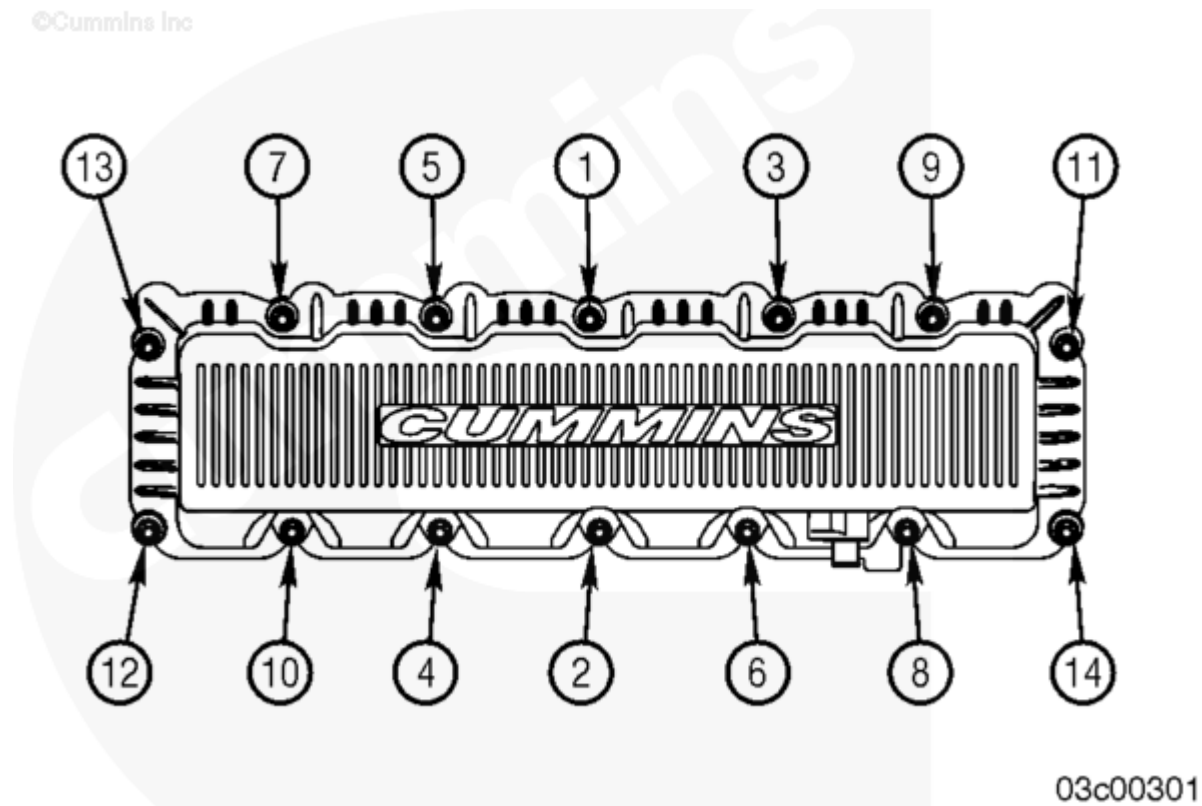


Figure 3, Rocker Lever Cover Capscrew Position.

Verification

Inspect rocker lever cover near cylinder number six for:

- Cracks.
- Engine wiring harness that may be caught under rocker lever cover.

Inspect engine wiring harness for:

- Signs of pinching.

Resolution

- Verify all rocker lever cover capscrews are removed before attempting to remove rocker lever cover from engine.
- Replace rocker lever cover if cracked. See ISX12 G CM2180 EJ Service Manual, Bulletin 4310682. Refer to Procedure 003-011 in Section 3.
- See Service Instructions section below.

Service Instructions

- During removal and installation of rocker lever cover, secure oxygen sensor branch of wiring harness away from rocker lever cover to prevent wiring harness pinching between rocker lever cover and rocker lever housing.
- When removing rocker lever cover, do **not** use a pry bar to break seal between rocker lever cover and rock lever housing. A pry bar will cause damage to rocker lever housing and rocker lever cover gasket
- A flat head screw driver can be used to assist in removal of rocker lever cover. Insert screwdriver underneath rocker lever cover and twist, but do **not** pry or lift rocker lever cover with screw driver.

Document History

Date	Details
2016-7-1	Module Created
2016-11-7	Non-Product Problem Solving (PPS)

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