

Technical Service Bulletin Number
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TSB150065



Technical Service Bulletin

Subject

Oxygen Sensor Wiring Harness Adapter

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

- ISL G CM2180
- ISX12 G CM2180 EJ

Description of Change

This document introduces a new oxygen sensor wiring harness adapter, Part Number 5340715.

Reason for Change

Vapors can migrate through the engine wiring harness to the reference chamber of the oxygen sensor, resulting in inaccurate readings. The oxygen sensor wiring harness adapter provides a solid barrier between the oxygen sensor and the engine wiring harness, preventing contamination.

Service Instructions

The new oxygen sensor wiring harness adapter, Part Number 5340715, is placed inline between the engine wiring harness connector and the oxygen sensor connector.

NOTE: On some engines, the oxygen sensor wiring harness adapter and oxygen sensor are mated as a permanent assembly through the use of a connector lock. The oxygen sensor wiring harness adapter and oxygen sensor must be replaced as an assembly.

Instructions for engines that are **not** equipped with a oxygen sensor wiring harness adapter:

When replacing oxygen sensor, Part Number 4954893, with oxygen sensor, Part Number 5341762, a blue silicone seal, Part Number 5348233, **must** be installed on the male end of the engine wiring harness connector before being connected to the female connector of the oxygen sensor wiring harness adapter. Installation instructions for this scenario are provided below.

1. Connect oxygen sensor wiring harness adapter to wiring harness connector on the oxygen sensor. See Figure 1 and 2.

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Figure 1, Left: Oxygen Sensor Connector. Right: Oxygen Sensor Wiring Harness Adapter

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Figure 2, Oxygen Sensor Connector and Oxygen Sensor Wiring Harness Adapter Connected.

2. Install blue silicon seal, Part Number 5348233, onto male end of the engine wiring harness connector. See Figure 3 and 4.

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Figure 3, Left: Silicon Seal, Part Number 5348233. Right: Male End of the Engine Wiring Harness Connector.

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Figure 4, Silicon Seal, Part Number 5348233, Installed On Male End of the Engine Wiring Harness Connector.

3. Connect engine wiring harness connector to oxygen sensor wiring harness adapter. See Figure 5 and 6

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Figure 5, Left: Oxygen Sensor Wiring Harness Adapter. Right: Engine Wiring Harness Connector.

4. Ensure all connections are secure.

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Figure 6, Oxygen Sensor Wiring Harness Adapter Properly Installed.

Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts	
Part Description	Part Number
Silicon Seal	5348233
Oxygen Sensor Wiring Harness Adapter	5340715
Oxygen Sensor Assembly (Including part number 5340715)	5341762

Table 2, Part Replacement Decision Matrix				
Current Engine Configuration	Part Number (s) To Be Replaced	Description	Required Part(s) for Replacement	Description
Engines without a Harness Adapter	4954893	Oxygen Sensor	5341762 and 5348233	Oxygen Sensor Assembly, Silicon Seal
Engines with a Removable Harness	4954893	Oxygen	48954893	Oxygen Sensor

Adapter		Sensor		
Engines with a non-Removable Harness Adapter	5341762	Oxygen Sensor Assembly	5341762	Oxygen Sensor Assembly
Engines with a Removable Harness Adapter	5340715	Harness Adapter	5340715	Harness Adapter
Engines with a Harness Adapter or Assembly	4954893, 5340715	Oxygen Sensor, Adapter	5341762	Oxygen Sensor Assembly

Production Status

Implemented for production. See Table 3.

Table 3, Production Information			
Product	Engine Serial Number (ESN) First	Build Date ¹	Engine Plant
ISL G CM2180	73763853	4-Nov-14	Rocky Mount
ISX12 G CM2180 EJ	75039029	20-Feb-15	Jamestown

¹Engine build date can be found on the engine dataplate.

Document History

Date	Details
2015-5-6	Module Created

Last Modified: 15-May-2015

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