



# Technical Service Bulletin

Technical Service Bulletin: TSB240102	Released Date: 16-Jul-2024
New Lubricating Oil Pan and Lubricating Oil Pan Gasket to Reduce External Lubricating Oil Leaks	

## New Lubricating Oil Pan and Lubricating Oil Pan Gasket to Reduce External Lubricating Oil Leaks

### 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

- ISC CM850
- ISL CM2150
- ISL8.9 CM2150 L110
- ISL9 CM2150 SN
- ISL9 CM2250
- ISL9 CM2350 L101
- ISL9 CM2350 L111
- ISLE4 CM850
- ISLG CM2180
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L120C
- L9 CM2350 L123B
- L9N CM2380 L124B
- QSL9 CM2250
- QSL9 CM2350 L102
- QSL9 CM2350 L118

#### Verification

- Confirm a replacement of the lubricating oil pan or lubricating oil pan gasket is needed to complete the repair.

- Confirm the existing lubricating oil pan part number is either part number 4980381 or 5566764 and that a cylinder block stiffener option is installed on the engine. Information in this TSB applies to **only** these two part numbers for engines with a cylinder block stiffener plate installed.

Description of Change

A new lubricating oil pan and lubricating oil pan gasket are available to reduce the risk of external lubricating oil leaks. Installation procedures have been updated for the new parts. See the Service Issue column in Table 1 and corresponding Service Manual. Reference Procedure 007-025 in Section 7.

Reason for Change

The new lubricating oil pan and lubricating oil pan gaskets better distribute sealing pressure across the lubricating oil pan gasket and reduce clamp load loss over time to reduce the risk of external lubricating oil leaks.

Service Instructions

See corresponding Service Manual. Reference Section 007-025 in Section 7 and Table 2 for a list of available parts.

Table 1, Service Parts Matrix

Service Issue	Replacement Lubricating Oil Pan	Replacement Lubricating Oil Pan Gasket	Replacement Capscrews	Notes
Lubricating oil pan, Part Number 4980381, is damaged and <b>must</b> be replaced	Replace with Service Kit, Part Number 6510200.			Replace the FIPG gasket between the lubricating oil pan and block stiffener with gasket, Part Number 5622023. FIPG <b>must</b> be used at T-Joints.

Table 1, Service Parts Matrix				
Service Issue	Replacement Lubricating Oil Pan	Replacement Lubricating Oil Pan Gasket	Replacement Capscrews	Notes
Lubricating oil pan gasket 5622023 with lubricating oil pan 4980381 is damaged and <b>must</b> be replaced	Reuse lubricating oil pan, Part Number 4980381	Replace with lubricating oil pan gasket, Part Number 5622023	Reuse capscrews, Part Number 4981915.	-
Lubricating oil pan gasket 5622023 with lubricating oil pan 5566764 is damaged and <b>must</b> be replaced	Reuse lubricating oil pan, Part Number 5566764	Replace both lubricating oil pan gaskets with lubricating oil pan gasket, Part Number 5622023	Reuse capscrews, Part Number 3902114	Clamping plates, Part Number 5267682 and 5267683, should be replaced only if damaged. FIPG <b>must</b> be used at T-Joints.
Lubricating oil pan, Part Number 5566764, is damaged and <b>must</b> be replaced	Replace with Service Kit 6510200			Replace the FIPG gasket between the lubricating oil pan and cylinder block stiffener with gasket, Part Number 5622023. FIPG <b>must</b> be used at T-Joints.

Table 1, Service Parts Matrix					
Service Issue	Replacement Lubricating Oil Pan	Replacement Lubricating Oil Pan Gasket		Replacement Capscrews	Notes
FIPG gasket is damaged and <b>must</b> be replaced.	Reuse lubricating oil pan, Part Number 4980381.	Replace lubricating oil pan gasket with gasket, Part Number 5622023.	Reuse capscrews, Part Number 4981915.		-

**Service Parts**

Service parts are available. See Table 2 for part numbers.

Table 2, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Oil Pan	4980381	No	Yes	5566764
Screw, Hex Flange	4981915	No	Yes	3902114
Service Kit	-	-	-	6510200
Clamping Plate	-	-	-	5267682
Clamping Plate	-	-	-	5267683

**Part Compatibility**

New parts are **not** backwards compatible and are **not** able to be used with existing parts. Reference Table 2 in this TSB.

**Part Identification**



Figure 1, Lubricating Oil Pan, Part Number 5566764.

**Production Status**

Implemented for production. See Table 2.

**Table 2, Production Information**

ESN First	Build Date <sup>1</sup>	Plant
-	19 May 2023	Rocky Mount Engine Plant

<sup>1</sup>Engine build date can be found on the engine dataplate.

**Publications Affected**

**Table 3, Publications Affected**

Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	ISC CM850	4021418	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr.html)	7
	ISL CM2150	4021569		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr-iscl07.html)	
	ISL8.9 CM2150 L110	4358475		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/323/323-007-025-tr.html)	
	ISL9 CM2150 SN	4022190		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr-isle5.html)	

**Table 3, Publications Affected**

Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
	ISL9 CM2250	4022256		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr-qsl4i.html)	
	ISL9 CM2350 L101	4310787		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/185/185-007-025-tr.html)	
	ISL9 CM2350 L111	4367223		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/341/341-007-025-tr.html)	
	ISLE4 CM850	4021418		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr.html)	

**Table 3, Publications Affected**

Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
	ISLG CM2180	4021649		Refer to Procedure 007-025 (/qs3/pubsys 2/xml/en/pro cedures/45/ 45-007-025- tr-islg.html)	
	L9 CM2350 L116B	5411330		Refer to Procedure 007-025 (/qs3/pubsys 2/xml/en/pro cedures/459 /459-007- 025.html)	
	L9 CM2350 L119B	5411267		Refer to Procedure 007-025 (/qs3/pubsys 2/xml/en/pro cedures/425 /425-007- 025.html)	
	L9 CM2350 L120C	5504199		Refer to Procedure 007-025 (/qs3/pubsys 2/xml/en/pro cedures/560 /560-007- 025.html)	



**Table 3, Publications Affected**

Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
	L9 CM2350 L123B	5411465		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/459/459-007-025.html)	
	L9N CM2380 L124B	5467492		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/521/521-007-025.html)	
	QSL9 CM2250	4022257		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/45/45-007-025-tr-iscl10.html)	
	QSL9 CM2350 L102	4332796		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/261/261-007-025-tr.html)	

Table 3, Publications Affected					
Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
	QSL9 CM2350 L118	4388673		Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/421/421-007-025.html)	

Document History

Date	Details
2024-5-3	Module Created

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