

Technical Service Bulletin: TSB240101	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

- B5.6 CM2670 B152B
- B6.7 CM2350 B121B
- B6.7 CM2350 B136C
- B6.7 CM2450 B155B
- B6.7 CM2670 B153B
- ISB CM2150
- ISB CM2150 E
- ISB6.7 CM2150
- ISB6.7 CM2250 (EPA 2010)
- ISB6.7 CM2350 B101
- QSB5.9 CM850
- QSB6.7 CM2250
- QSB6.7 CM2250 B128
- QSB6.7 CM2350 B105
- QSB6.7 CM2350 B130
- QSB6.7 CM850
- QSB7 CM2880 B117

### Verification

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

- Confirm the existing installed lubricating oil pan part number is either part number 3958209 or 5682084. Information in this TSB applies to **only** these two part numbers.

**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.
  - Reference the Service Issue column Table 1.
  - See 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.
- All new products are built with the new lubricating oil pan and lubricating oil pan gasket part numbers.

**Service Instructions**

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

Table 1, Part Replacement Decision Matrix				
Service Issue	Replacement Lubricating Oil Pan	Replacement Lubricating Oil Pan Gasket	Replacement Clamping Plates	Replacement Capscrews
Lubricating oil pan, Part Number 3958209 with corner clamping plates, , Part Number 3978710, 3978711, is damaged and must be replaced.	Replace with service kit, Part Number 6511162.			

<b>Table 1, Part Replacement Decision Matrix</b>				
<b>Service Issue</b>	<b>Replacement Lubricating Oil Pan</b>	<b>Replacement Lubricating Oil Pan Gasket</b>	<b>Replacement Clamping Plates</b>	<b>Replacement Capscrews</b>
Lubricating oil pan, Part Number 3958209, with full perimeter clamping plates, Part Number 5331707, 5331708, is damaged and must be replaced.	Replace with service kit, Part Number 6511163.			
Lubricating oil pan gasket, Part Number 3959797, with corner clamping plates, Part Number 3978710 and 397871, is damaged and must be replaced.	Reuse existing lubricating oil pan, Part Number 3958209.	Replace with lubricating oil pan gasket, Part Number 3959797.	Re-use original corner clamping plates, Part Number 3978710 and 3978711.	Reuse capscrews, Part Number 4981915 and 3920400.
Lubricating oil pan gasket, Part Number 3959797, with full perimeter clamping plates, Part Number 5331707 and 5331708, is damaged and must be replaced.	Reuse existing lubricating oil pan, Part Number 3958209.	Replace with lubricating oil pan gasket, Part Number 3959797.	Re-use original full perimeter clamping plates, Part Number 5331707 and 5331708.	Reuse capscrews, Part Number 3902114.

<b>Table 1, Part Replacement Decision Matrix</b>				
<b>Service Issue</b>	<b>Replacement Lubricating Oil Pan</b>	<b>Replacement Lubricating Oil Pan Gasket</b>	<b>Replacement Clamping Plates</b>	<b>Replacement Capscrews</b>
Lubricating oil pan, Part Number 5682084, with corner clamping plates, Part Number 3978710 and 3978711, is damaged and must be replaced.	Replace with service kit, Part Number 6511162.			
Lubricating oil pan, Part Number 5682084, with full perimeter clamping plates, Part Number 6380088 and 6382614, is damaged and must be replaced.	Replace with service kit, Part Number 6511163.			
Lubricating oil pan gasket, Part Number 5620687, with corner clamping plates, Part Number 3978710 and 3978711, is damaged and must be replaced.	Reuse lubricating oil pan, Part Number 5682084.	Replace with lubricating oil pan gasket, Part Number 5620687.	Re-use original corner clamping plates, Part Number 3978710 and 3978711.	Reuse capscrews, Part Number 4981915.

Table 1, Part Replacement Decision Matrix				
Service Issue	Replacement Lubricating Oil Pan	Replacement Lubricating Oil Pan Gasket	Replacement Clamping Plates	Replacement Capscrews
Lubricating oil pan gasket, Part Number 5620687, with full perimeter clamping plates, Part Number 6380088 and 6382614, is damaged and must be replaced.	Reuse lubricating oil pan, Part Number 5682084.	Replace with lubricating oil pan gasket, Part Number 5620687.	Replace with full perimeter clamping plates, Part Number 6382614 and 6380088.	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
Lubricating Oil Pan	3958209	No	Yes	5682084
Lubricating Oil Pan Gasket	3959797	No	Yes	5620687
Full Perimeter Clamping Plate	5331707	No	Yes	6382614
Full Perimeter Clamping Plate	5331708	No	Yes	6380088
SCREW,HEX FLANGE	3902114	No	Yes	4981915
Service Kit	-	-	-	6511162
Service Kit	-	-	-	6511163

**Part Compatibility**

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

### Part Identification



Figure 1, Lubricating Oil Pan Gasket, Part Number 5682084.

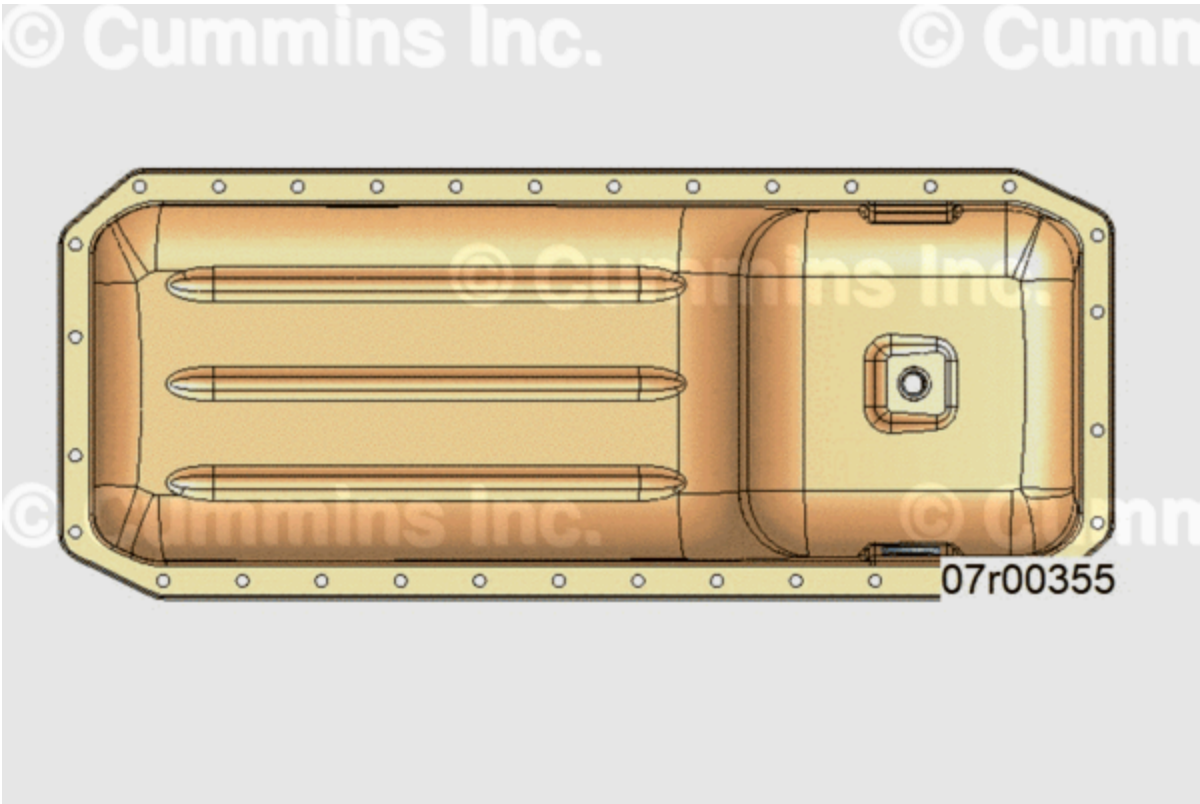


Figure 2, Lubricating Oil Pan Gasket, Part Number 5620687.

**Production Status**

Implemented for production. See Table 2.

Table 2, Production Information		
ESN First	Build Date <sup>1</sup>	Plant
-	November 2023	Rocky Mount Engine Plant
<sup>1</sup> Engine build date can be found on the engine dataplate.		

**Publications Affected**

<b>Table 3, Publications Affected</b>					
<b>Manual Type</b>	<b>Engine</b>	<b>Bulletin Number</b>	<b>Procedure Title</b>	<b>Procedure</b>	<b>Section</b>
Service Manual	B5.6 CM2670 B152B	5504360	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/573/573-007-025.html)	7
Service Manual	B6.7 CM2350 B121B	5411223	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/455/455-007-025.html)	7
Service Manual	B6.7 CM2350 B136C	5504194	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/558/558-007-025.html)	7
Service Manual	B6.7 CM2450 B155B	5613229	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/647/647-007-025.html)	7



<b>Table 3, Publications Affected</b>					
<b>Manual Type</b>	<b>Engine</b>	<b>Bulletin Number</b>	<b>Procedure Title</b>	<b>Procedure</b>	<b>Section</b>
Service Manual	B6.7 CM2670 B153B	5504365	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/575/575-007-025.html)	7
Service Manual	ISB CM2150	4021597	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/31/31-007-025-tr-isde.html)	7
Service Manual	ISB CM2150 E	4021578	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/31/31-007-025-tr-isb07.html)	7
Service Manual	ISB6.7 CM2150	4021597	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/31/31-007-025-tr-isde.html)	7

<b>Table 3, Publications Affected</b>					
<b>Manual Type</b>	<b>Engine</b>	<b>Bulletin Number</b>	<b>Procedure Title</b>	<b>Procedure</b>	<b>Section</b>
Service Manual	ISB6.7 CM2250 (EPA 2010)	4022254	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/31/31-007-025-tr-isb10.html)	7
Service Manual	ISB6.7 CM2350 B101	2883567	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/155/155-007-025-tr-isb13.html)	7
Service Manual	QSB5.9 CM850	4021271	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/44/44-007-025-tr.html)	7
Service Manual	QSB6.7 CM850	4021271	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/44/44-007-025-tr.html)	7

<b>Table 3, Publications Affected</b>					
<b>Manual Type</b>	<b>Engine</b>	<b>Bulletin Number</b>	<b>Procedure Title</b>	<b>Procedure</b>	<b>Section</b>
Service Manual	QSB6.7 CM2250	4022255	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/31/31-007-025-tr-qsbt4i.html)	7
Service Manual	QSB6.7 CM2250 B128	4388601	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/407/407-007-025.html)	7
Service Manual	QSB6.7 CM2350 B105	4332778	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/257/257-007-025-tr.html)	7
Service Manual	QSB6.7 CM2350 B130	4388668	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/419/419-007-025.html)	7

Table 3, Publications Affected					
Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	QSB7 CM2880 B117	4358390	Lubricating Oil Pan	Refer to Procedure 007-025 (/qs3/pubsys2/xml/en/procedures/331/331-007-025-tr.html)	7

Document History

Date	Details
2024-5-3	Module Created

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