



# Technical Service Bulletin

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<b>Technical Service Bulletin:</b> TSB180112	<b>Released Date:</b> 27-Aug-2018
<b>New Rear Crankshaft Seal Service Tools</b>	

## New Rear Crankshaft Seal Service Tools

### Warranty Statement

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

### Contents

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#### Product Affected

- B All Versions
- C Gas Plus
- C Series: All Versions
- C8.3G
- G5.9
- GTA8.3 CM558
- ISB All Versions
- ISC All Versions
- ISDe CM2150
- ISL All Versions
- L Gas Plus
- L8.9 Series: All Versions
- Marine Auxiliary QSB7-DM CM850
- Marine QSB6.7 CM2250
- QSB All Versions

#### Description of Change

Re-usable required service tools to be used for rear crankshaft seal service events have been released.

#### Reason for Change

Existing service practices can damage adjoining components which can lead to repeat malfunctions.

### Customer Communication

Advise self-servicing customers that new required re-usable rear crankshaft seal service tools **must** be used to failsafe installation and removal of rear crankshaft seals in event of leaks moving forward. New required service tools are re-usable.

### Service Instructions

New required service tools are reusable and meant to replace existing disposable service kits. Associated service literature is being published in affected service manuals.

### Service Parts Availability

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

<b>Table 1, Service Parts</b>				
<b>Part Description</b>	<b>Existing Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Part Number</b>
Remover, Crankshaft Seal	-	-	-	5395330
Installer, Crankshaft Seal	-	-	-	5395259
Guide, Centering	-	-	-	5395409
Kit, Crankshaft Seal	4955566	No	-	-
Kit, Crankshaft Seal	3934486	No	-	-
Kit, Crankshaft Seal	5264562	No	-	-

### Part Compatibility

Centering guide tool **must** be used with front gear train engines.

### 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	ISB5.9 G CM2180 Service Manual	2883369	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	QSL9 G CM558 Service Manual	2883375	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISB6.7 CM2150 SQ Service Manual	2883504	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	ISB6.7 CM2350 B101 Service Manual	2883567	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	QSB6.7 CM2250 EC (173 HP or Below) Service Manual	2883621	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	C Series Troubleshooting and Repair Manual	3666003	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1

<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	B3.9, B4.5, B4.5 RGT, and B5.9 Service Manual	3666087	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	B5.9G, B5.9LPG, B Gas Plus, B LPG Plus, B Gas International, and G5.9 Troubleshooting and Repair Manual	3666164	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	ISB and QSB5.9-44 Troubleshooting and Repair Manual	3666193	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	C8.3G, C Gas Plus, and L Gas Plus Troubleshooting and Repair Manual	3666206	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1

<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	ISB, ISBe, ISBe4, QSB4.5, QSB5.9, and QSB6.7 (Common Rail Fuel System) Service Manual	4021271	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	QSB3.9-30, QSB4.5-30, and QSB5.9-30 Industrial Troubleshooting and Repair Manual	4021398	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	ISC, ISCe, QSC8.3, ISL, ISLe3, ISLe4 and QSL9 Troubleshooting and Repair Manual	4021418	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISC and ISL CM2150 Service Manual	4021569	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1

<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	ISB CM2150 and ISB CM2150 E Service Manual	4021578	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	ISLe CM2150 Service Manual	4021630	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISL G CM2180 Service Manual	4021649	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISB4.5, ISB6.7, ISD4.5, and ISD6.7 CM2150 SN Service Manual	4022188	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	ISL9 CM2150 SN Service Manual	4022190	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISB6.7 CM2250 Service Manual	4022254	Crankshaft Seal, Rear	Refer to Procedure 001-024	1

<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 (174 HP and Above) Service Manual	4022255	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	QSL9 CM2250 Service Manual	4022256	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISC8.3 and ISL9 CM2250 Service Manual	4022257	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	B4.5s and B6.7s Troubleshooting and Repair Manual	4095243	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	Marine QSB6.7 CM2250 Service Manual	4310611	Crankshaft Seal, Rear	Refer to Procedure 001-024	1
Service Manual	Marine Auxiliary QSB7-DM CM850 Service Manual	4310679	Crankshaft Seal, Rear	Refer to Procedure 001-024	1

<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	L8.9 Series Troubleshooting and Repair Manual	4310704	Crankshaft Seal, Rear Crankshaft Seal Carrier, Rear	Refer to Procedure 001-024 Refer to Procedure 001-104	1
Service Manual	ISBe and ISDe CM2150 Service Manual	4021597	Crankshaft Seal, Rear	Refer to Procedure 001-024	1

## Document History

<b>Date</b>	<b>Details</b>
2018-8-16	Module Created

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**Last Modified: 27-Aug-2018**

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