



Technical Service Bulletin

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New 12 Volt Variable Geometry Turbocharger (VGT) Actuator: Fault Code 1894, 1897, 2636, 2634, 2387, 6432, or 2449

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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

- B6.7 CM2350 B121B
- B6.7 CM2350 B135B
- B6.7 CM2350 B136C
- B6.7 CM2350 B148B Stop-Start Applications
- B6.7 CM2350 B157C
- B6.7 CM2450 B155B
- ISB6.7 CM2350 B101
- ISB6.7 CM2350 B103
- ISB6.7 CM2350 B142
- ISL9 CM2350 L101
- ISL9 CM2350 L111
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L120C
- L9 CM2350 L123B
- L9 CM2350 L129C
- L9 CM2350 L133C
- L9 CM2450 L126B
- QSB6.7 CM2350 B105
- QSB6.7 CM2350 B112
- QSB6.7 CM2350 B130

- QSB6.7 CM2350 B145
- X12 CM2350 X119B
- X12 CM2450 X137B
- X15 CM2350 X114B
- X15 CM2350 X116B
- X15 CM2450 X124B
- X15 CM2450 X134B

Description of Change

New 12-volt variable geometry turbocharger (VGT) actuator service kits available for certain engines.

Reason for Change

New 12-volt VGT actuator service kits available on certain engines to verify availability.

Service Instructions

- See Table 1 for applicable service kit, if needed.
- Correct setting of the turbocharger sector gear during installation is critical to proper operation. See corresponding Service Manual. Reference Procedure 010-134 in Section 10.
- Actuator part number in kit can deviate from bill of material but is confirmed to be backwards compatible.

Table 1, Service Parts					
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Certified Applications
Turbocharger Actuator Kit	5496045 5496045RX	Yes	Yes	6374773 6374773RX	<ul style="list-style-type: none"> • 12-volt B6.7 CM245 0 B155B, Option PP9209 3 Only • 12-volt B6.7 CM235 0 B121B previously using Part Number 5496045. • 12-volt L9 Firetruck applications, Options PP9007 4, PP9008 4, PP9127 5, PP9128 3, only

Table 1, Service Parts					
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Certified Applications
				6382091 6382091RX	<ul style="list-style-type: none"> • All remaining 12-volt ISL or L9 Options • Any ISB6.7 or B6.7 on-highway applications previously using Part Number 5496045 • B6.7 off-highway, QSB6.7, or QSL9 applications previously using part number 5496045

Table 1, Service Parts					
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Certified Applications
Turbocharger Actuator Kit	5601240 5601240NX	Yes	Yes	6374774 6374774RX	<ul style="list-style-type: none"> • 12-volt B6.7 CM245 0 B155B, Options PP9204 4 PP9205 0 PP9205 1 PP9204 2 Only • 12-volt B6.7 CM235 0 B121B previously using Part Number 5601240 Excluding Thomas Built Saf-T-Liner EFX and Thomas Built Saf-T-

Table 1, Service Parts					
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Certified Applications
					Liner C2.
				6382096 6382096RX	Any ISB6.7 or B6.7 applications previously using Part Number 5601240.
				6374772 6374772RX	X15 CM2350 X114B
Turbocharger Actuator Kit	5501185 5501185RX	Yes	Yes	6382093 6382093RX	<ul style="list-style-type: none"> • X15 CM2450 X124B • X15 CM2450 X134B • X15 CM2350 X116B • 12-volt X12 CM2350 X119B • 12-volt X12 CM2450 X137B

Service Parts Availability

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

Part Inventory Action

Use existing part number inventory before using the new part number.

Document History

Date	Details
2022-8-2	Module Created
2022-9-8	Updated Table 1 parts.
2022-9-12	Updated Table 1.
2022-11-1	Updated Table 1.
2022-11-29	Updated Table 1.
2024-2-6	Updated Table 1.
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