



# Technical Service Bulletin

**Technical Service Bulletin:** TSB220165

**Released Date:** 06-Dec-2022

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

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

### 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.

**Table 1, Service Parts**

Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Certified Applications
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<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Superseded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>	<b>Certified Applications</b>
Turbocharger Actuator Kit	5496045 5496045RX	Yes	Yes	6374773 6374773RX	<ul style="list-style-type: none"> <li>• 12-volt B6.7 CM245 0 B155B, Option PP9209 3 Only</li> <li>• 12-volt B6.7 CM235 0 B121B previously using 5496045</li> </ul>

<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Superseded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>	<b>Certified Applications</b>
				6382091 6382091RX	<ul style="list-style-type: none"> <li>• All 12v ISL or L9 applications.</li> <li>• Any ISB6.7, B6.7, QSB6.7, or QSL9 applications previously using part number 5496045</li> </ul>
Turbocharger Actuator Kit	5601240 5601240NX	Yes	Yes	6374774 6374774RX	<ul style="list-style-type: none"> <li>• 12-volt B6.7 CM2450 B155B, Options PP92044 PP92050 PP92051 PP92042 Only</li> <li>• 12-volt B6.7 CM235</li> </ul>

<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>	<b>Certified Applications</b>
					0 B121B previously using part number 560124 0 Excluding Thomas Built Saf-T- Liner EFX and Thomas Built Saf-T- Liner C2.
				6382096 6382096RX	Any ISB6.7, B6.7, QSB6.7, or QSL9 applications previously using part number 5601240.
Turbocharger Actuator Kit	5501185 5501185RX	Yes	Yes	6374772 6374772RX	X15 CM2350 X114B

<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>	<b>Certified Applications</b>
				6382093 6382093RX	<ul style="list-style-type: none"> <li>• X15 CM245 0 X124B</li> <li>• X15 CM245 0 X134B</li> <li>• X15 CM235 0 X116B</li> <li>• 12-volt X12 CM235 0 X119B</li> <li>• 12-volt X12 CM245 0 X137B</li> </ul>

**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

<b>Date</b>	<b>Details</b>
2022-8-2	Module Created
2022-9-8	Updated Table 1 parts.
2022-9-12	Updated Table 1.

Date	Details
2022-11-1	Updated Table 1.
2022-11-29	Updated Table 1.

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**Last Modified: 06-Dec-2022**

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