



# Technical Service Bulletin

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New VGT Actuator for Transit Buses in North America and Europe for Fault Code 1894, 1897, 2449, 2634, 2634, or 2636

## New VGT Actuator for Transit Buses in North America and Europe for Fault Code 1894, 1897, 2449, 2634, 2634, or 2636

### 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 B148B
- ISB6.7 CM2350 B101
- ISB6.7 CM2350 B103
- ISB6.7 CM2350 B142
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L123B
- ISL9 CM2350 L101
- ISL9 CM2350 L111

#### Applications:

- 24 volt applications **only**

#### Issue

#### Symptom:

- Intermittent loss of communication between VGT actuator and engine ECM at nominal voltage of 24-volt for 24-volt applications at early key-on of engine.
- Fault Codes: 1894, 1897, 2449, 2634, 2634, or 2636 will be present

#### Root Cause:

- Transit bus duty cycles cause excessive heating in the electrolytic capacitor of VGT actuator, resulting in no communication fault codes from the engine control module (ECM).

### Verification

- Verify Fault Codes: 1894, 1897, 2449, 2634, 2634, or 2636 is present.

### Resolution

- Replace VGT actuator with the corresponding new part number in Table 1 below if reuse conditions are **not** met or published troubleshooting has indicated the actuator has malfunctioned. See corresponding Service Manual. Reference 010-034 Section 10.
- The electrolytic capacitor in the VGT actuator is being replaced with a dry capacitor which does **not** have electrolytic fluid. The dry capacitor will reduce malfunction rate and will **not** impact the customer interface with the turbocharger actuator or the turbocharger.

### Service Parts Availability

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

Table 1, Service Parts					
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number	Application
Kit, Turbocharger Actuator	5496046	Yes	Yes	5603776	Transit Bus
Kit, Turbocharger	5328119	Yes	Yes	5608235	Option PP90388 Only
Kit, Turbocharger	5328120	Yes	Yes	5608236	Option PP90389 Only

### Part Inventory Action

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

### Document History

Date	Details
2020-4-20	Module Created

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