



Technical Service Bulletin

Technical Service Bulletin: TSB200054

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**New Exhaust Gas Recirculation (EGR) Temperature Sensor Connector Back Shell:
Fault Codes 2375, 2376, and 1867**

New Exhaust Gas Recirculation (EGR) Temperature Sensor Connector Back Shell: Fault Codes 2375, 2376, and 1867

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

Engines:

- ISL9 CM2350 L101
- ISL9 CM2350 L111
- L9 CM2350 L116B
- L9 CM2350 L119B
- QSL9 CM2250
- QSL9 CM2350 L102
- QSL9 CM2350 L118

Applications:

- All applications except transit bus

Description of Change

A new exhaust gas recirculation (EGR) temperature sensor connector back shell is available.

Reason for Change

To improve robustness of the EGR temperature sensor connector and wiring and reduce occurrences of Fault Codes 2375, 2376, and 1867.

Verification

Verify non-transit bus engine which has a rubber boot over the EGR temperature sensor. See Figure 1 below.

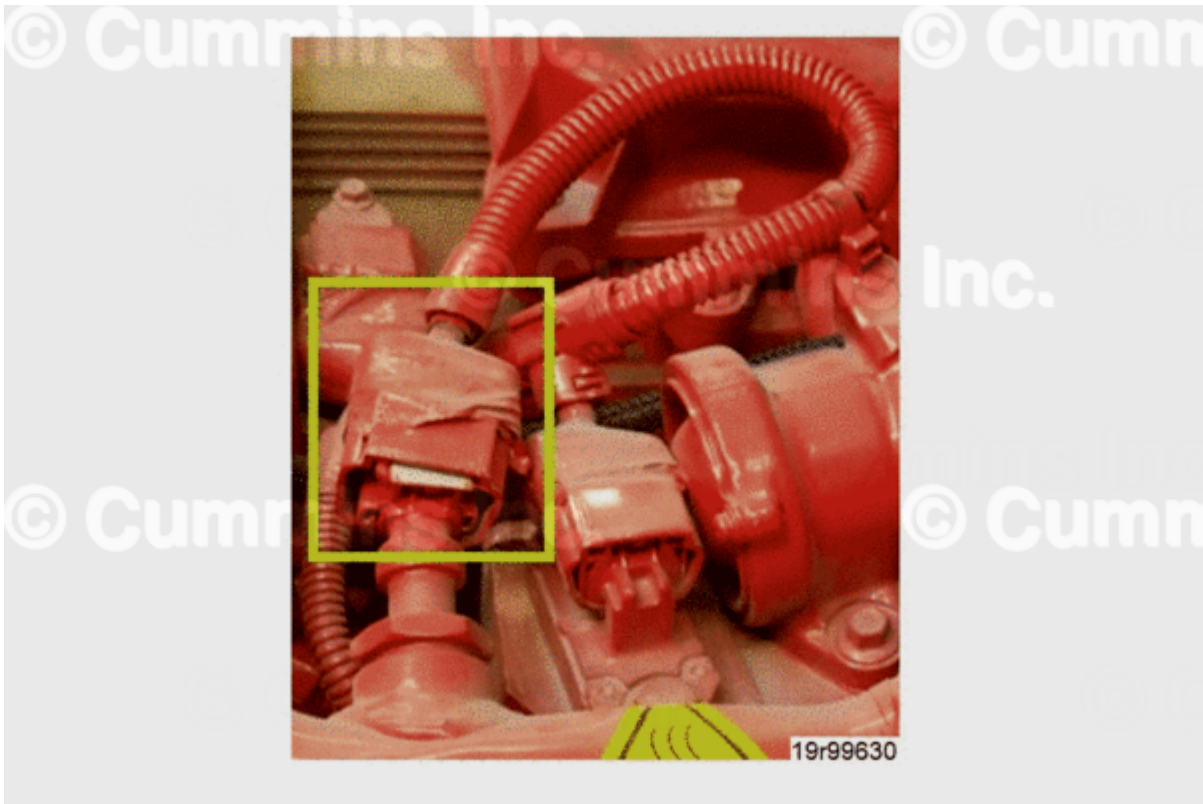


Figure 1, EGR Temperature Sensor Boot Location.

Service Instructions

1. Remove the EGR temperature sensor tape and rubber boot. See Figure 2 below.

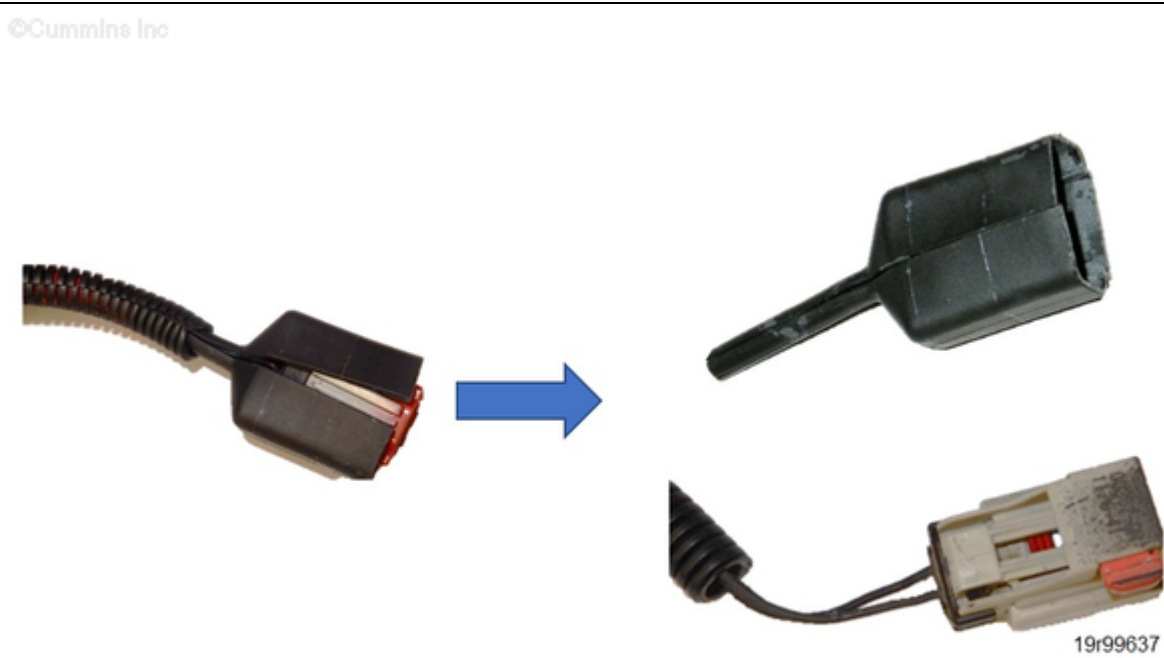


Figure 2, EGR Temperature Sensor Tape and Boot Removal.

2. Replace the EGR temperature sensor connector using service kit, Part Number 5394319, if the wires are found to be damaged, or if connection appears to be intermittent.
3. Wrap the wires at the EGR Temperature Sensor Connector with electrical tape starting 13 mm [½ in]. behind the connector and extending for 75 mm [3 in] down the length of the wires (to protect the wires)
4. Reference the Figures below and snap the EGR temperature sensor connector back shell, Part Number 4402567, onto the EGR temperature sensor connector and over the conduit. Verify wires are **not** pinched and conduit is fully inserted into the EGR temperature sensor connector back shell. See Figures below for more examples.



Figure 3, New EGR Temperature Sensor Back Shell Installation on Connector.



Figure 4, New EGR Temperature Sensor Back Shell Correctly Installed Showing Correct Conduit Depth.

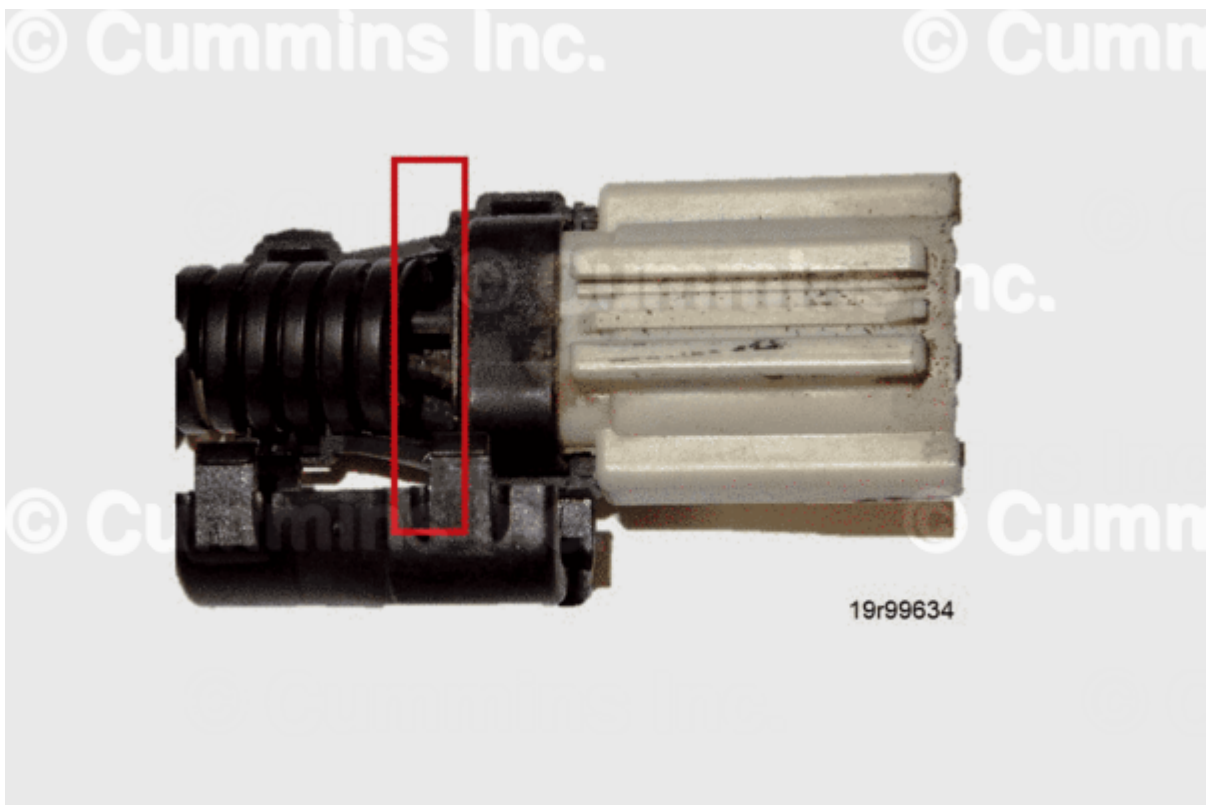


Figure 5, New EGR Temperature Sensor Back Shell Connector Installed Showing Incorrect Conduit Depth (Too High).



Figure 6, New EGR Temperature Sensor Connector Back Shell Installed Showing Incorrect Conduit Depth (Too Low).



Figure 7, New EGR Temperature Sensor Connector Back Shell Connector Installed (Complete).

Service Parts Availability

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

Table 1, Service Parts	
Part Description	New Part Number
Connector, Backshell	4402567

Part Compatibility

Compatible with all non-transit bus L series engine EGR temperature sensor connectors.

Publications Affected

Table 2, Publications Affected					
Manual Type	Engine	Bulletin Number	Procedure Title	Procedure	Section
Service Manual	L9 CM2350 L119B	5411267	EGR Temperature Sensor	019-378	19
	L9 CM2350 L116B	5411330 5411465			
	ISL9 CM2350 L101	4310787			
	ISL9 CM2350 L111	4367223			
	QSL9 CM2350 L102	4332796			
	QSL9 CM2350 L118	4388673			
	QSL9 CM2250	4022256			

Document History

Date	Details
2020-3-6	Module Created

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