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Coding Information

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Title: Next Gen Bus Incorrect Cluster Lens for Allison Mode Switch

Applies To: Next Gen Bus

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

04/16/2025 - Initial Article Release

DESCRIPTION

This document will guide the user through correcting mismatched indicator light lenses for vehicles found with the ECON and 6th gear disabled indicators incorrectly illuminating.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

Not Applicable.

DTC/Light	Description
N/A	Not Applicable.

Customer Observations or Concerns:

The customer can visually observe Allison Switch Mode illuminating 6th Gear Disable.

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
Not Applicable			

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Not Applicable			

DIAGNOSTIC STEP(s)

Not Applicable.

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

REMOVAL PROCEDURE:

1. Disconnect the battery.
2. Remove gauge cluster trim panel (1) from dash (2).



Figure: Gauge Cluster Trim Panel

- 1. Gauge cluster trim panel
- 2. Dash

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3. Remove the four screws (2) from gauge cluster (1).

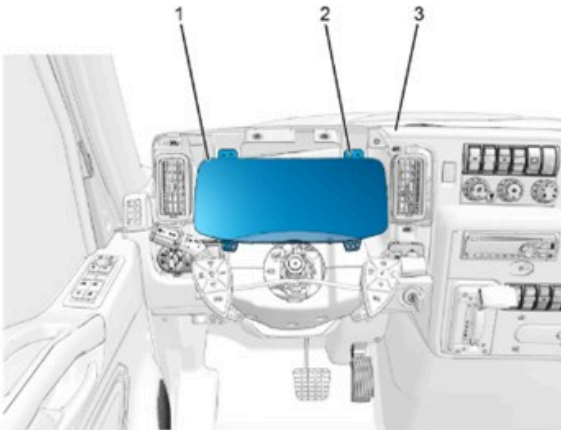


Figure: Gauge Cluster (Typical)

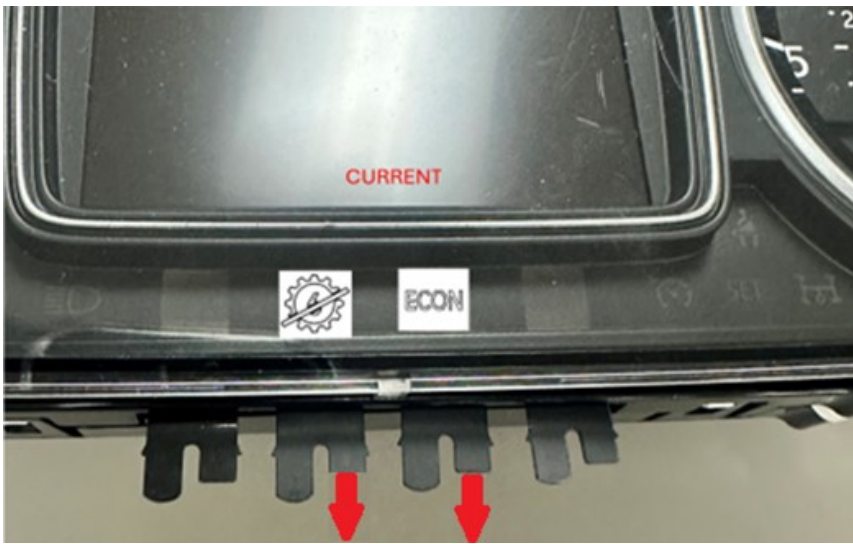
- 1. Gauge cluster
- 2. M4.2 x 1.4 screw (x4)
- 3. Dash

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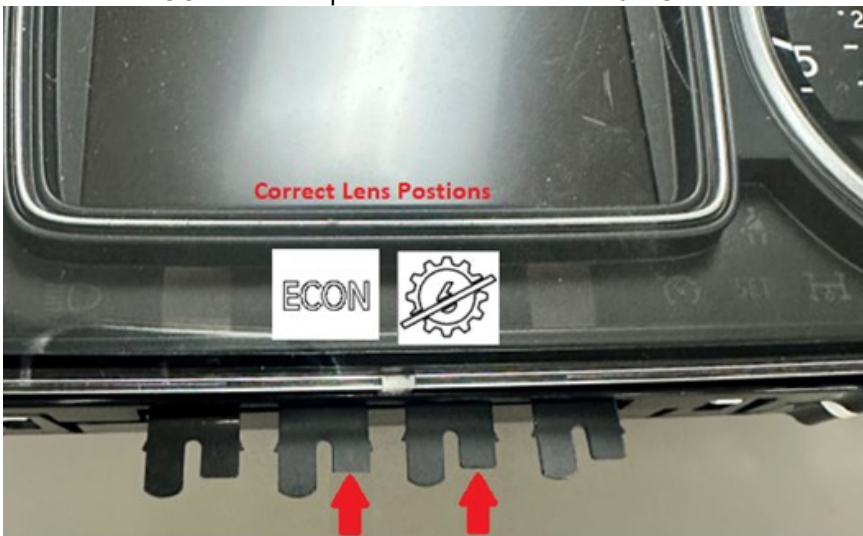
4. Disconnect the electrical connector from the back of gauge cluster (1).

5. Remove gauge cluster (1) from dash (3).

6. With the gauge cluster removed, locate the warning lamp lenses on the bottom of the cluster. Pull on the tab to remove the lens for position 2 and 3.

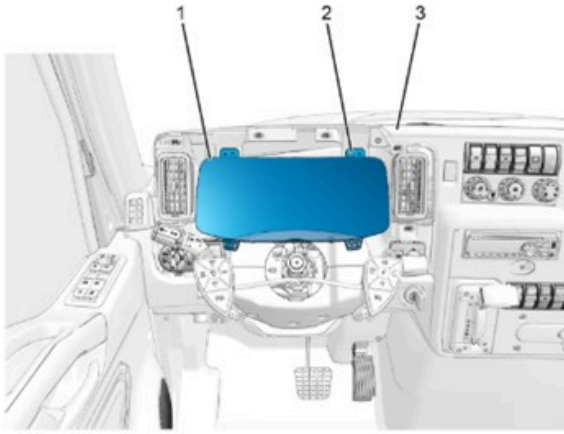


7. Insert the ECON lens into position 2 and insert the 6th Gear Disable lens into position 3, as shown below.



INSTALLATION PROCEDURE:

1. Connect the electrical connector to back of gauge cluster (1).
2. Install gauge cluster (1) to dash (3) with four M4.2 x 1.4 screws (2). Torque four screws to 6 lb-in. (0.68 Nm) in the following order: top right, top left, bottom right, bottom left.



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Figure: Gauge Cluster (Typical)

- 1. Gauge cluster
- 2. M4.2 x 1.4 screw (x4)
- 3. Dash

3. Install gauge cluster trim panel (1) to dash (2).



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Figure: Gauge Cluster Trim Panel

- 1. Gauge cluster trim panel
- 2. Dash

4. Reconnect the battery.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

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