

SB 3-873-002

DECEMBER, 2005

ATTENTION: SERVICE MANAGERS / PARTS MANAGERS

SUBJECT: INTERMITTENT SHUTDOWN OF TRANSMISSION ECU ON WX TRUCKS WITH NEW DASH

Service Bulletin Information

Service Bulletins are product modifications and/or product improvements that Autocar has determined will enhance the operation of the truck.

This bulletin provides information on a solution for the following problems experienced on WX models fitted with new dash and Allison transmissions:

1. No shifter display
2. The truck may not start
3. The Allison transmission may not shift
4. Intermittent shifting or late shifting of the transmission

The root cause has been determined to be incorrect routing of the transmission ECU and main cab harness behind the LH seat. The wiring behind the seat at or near the transmission ECU contacts the seat as it travels, which causes the connectors to be unplugged and or damaging (chafing) the wiring harness. See **Figure 1** and **Figure 2**.

Repair

See "Repair Procedure" starting on page 2.

Parts

No parts are required for this repair.

SB 3-873-002

DECEMBER, 2005

Repair Procedure



WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service or inspection.



WARNING

Turn and lock the battery disconnect switch to disconnect the battery supply from the rest of the truck to limit the risk of fire when working on the truck.



DANGER

Before working on a vehicle, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

SB 3-873-002

DECEMBER, 2005

1. Park the vehicle on a level surface. Turn off the engine, apply the parking brakes, and chock the rear tires to keep the vehicle from moving.
2. Locate the transmission ECU behind the LH seat.
3. Reroute the harnesses to the side and over the top of the transmission ECU and secure with cable ties and cushioned loom clamps. See **Figure 3** and **Figure 4** on page 5.
4. Repair any chafed wires and secure any loose connectors.

INCORRECT ROUTING, WIRING IN CONTACT WITH SEAT



Figure 1

SB 3-873-002

DECEMBER, 2005

INCORRECT ROUTING, WIRING IN CONTACT WITH SEAT

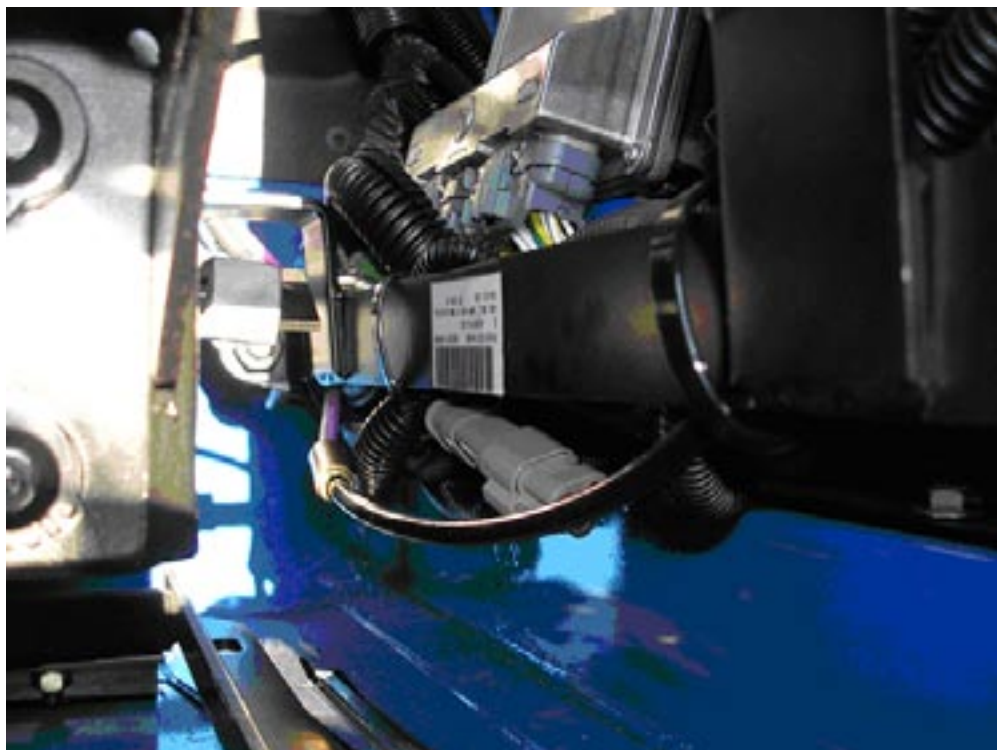


Figure 2

SB 3-873-002

DECEMBER, 2005

CORRECT ROUTING, WIRING ROUTED OVER TRANSMISSION ECU



Figure 3



Figure 4