



SAFETY RECALL

TRANSMISSION SHIFT SELECTOR CONFIRMATION

RECALL NO: M0440
DATE: 11-13-2023
REFERENCE: RCB-007-23

SUBJECT VEHICLES:

Certain 2022 and 2023 model year Hino Conventional trucks equipped with an Allison 2500 series transmission that were assembled at the Mineral Wells, West Virginia, assembly plant.

Note: Refer to the appropriate Vehicle Identification Number in the warranty system to determine vehicle eligibility.

NEW VEHICLES IN DEALERSHIP INVENTORY As required by Federal law (49 Code of Federal Regulations §577.13), dealerships are not to deliver any new vehicles in their inventory that are involved in a Safety Recall unless the vehicle has been remedied. Refer to the appropriate Vehicle Identification Number (VIN) list to determine vehicle eligibility.

OVERVIEW:

The incorrect transmission shift selector, which has a park position, may have been installed on certain vehicles. The incorrect shift selector contains a Park (P) position on the shift selector, but the transmission does not contain the mechanical park mechanism. Therefore, if the parking brake is not set when parking, the vehicle may rollaway increasing the risk of accident or injury. The following work procedure provides the necessary steps for inspecting the shift selector assembly and determining if replacement is required.



BEFORE YOU BEGIN:

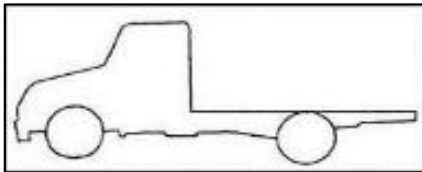
- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **NOTICES** and **WARNINGS** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a level and solid surface and apply the parking brake firmly. Confirm parking brake activation.
- Place the gear shift lever in “Neutral”.
- Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.
- Always wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all wheels to prevent the vehicle from moving.

PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
33550E0680	Transmission Shift Selector Assembly	As Needed (1)
SZ95039359	Round Retaining Clip	As Needed (2)
SZ95024069	Retaining Clip	As Needed

VEHICLE PREPARATION:

1. Park the vehicle on a level and solid surface. Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.



2. Apply the parking brake. Chock all of the wheels.

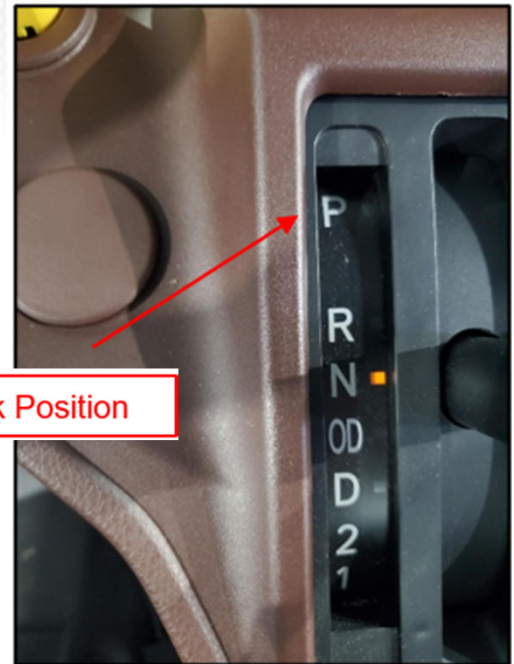


INSPECTION PROCEDURE:

1. Inspect the transmission shift indicator located on the shift selector assembly. Does the transmission shift indicator include a park position?

NO – Bulletin is complete, proceed to **FINAL INSPECTION**.

YES – Proceed to **REPAIR PROCEDURE**.



WARNING: THE SUBJECT VEHICLES SHOULD NOT HAVE A (P) PARK POSITION ON THE SHIFT SELECTOR ASSEMBLY.

REPAIR PROCEDURE:

1. Place the transmission in neutral.

NOTICE: The transmission must remain in neutral until **STEP 9**



2. Is the vehicle equipped with air brakes?

NO- Proceed to Step 3

YES- Remove the parking brake control knob by turning counterclockwise until threads are disengaged. Retain the parking brake control knob for later reassembly and proceed to **Step 3.**

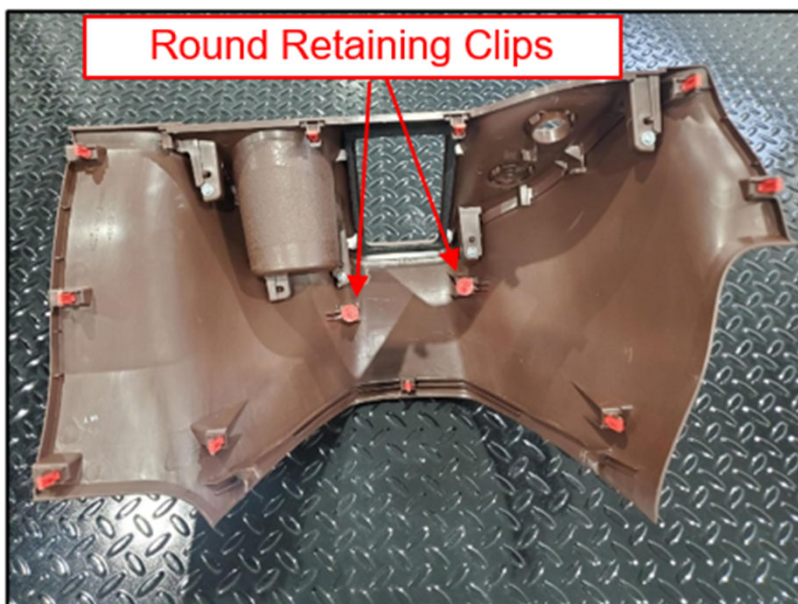


3. Remove the shifter trim panel by releasing the (12) retaining clips. Retain the shifter trim panel for later reassembly.

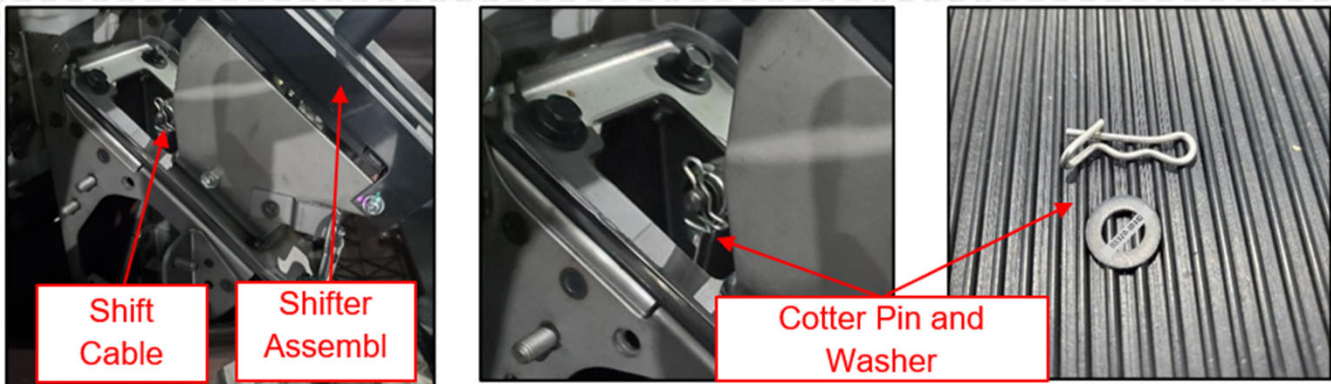


4. Inspect the shifter trim panel retaining clips and replace as needed.

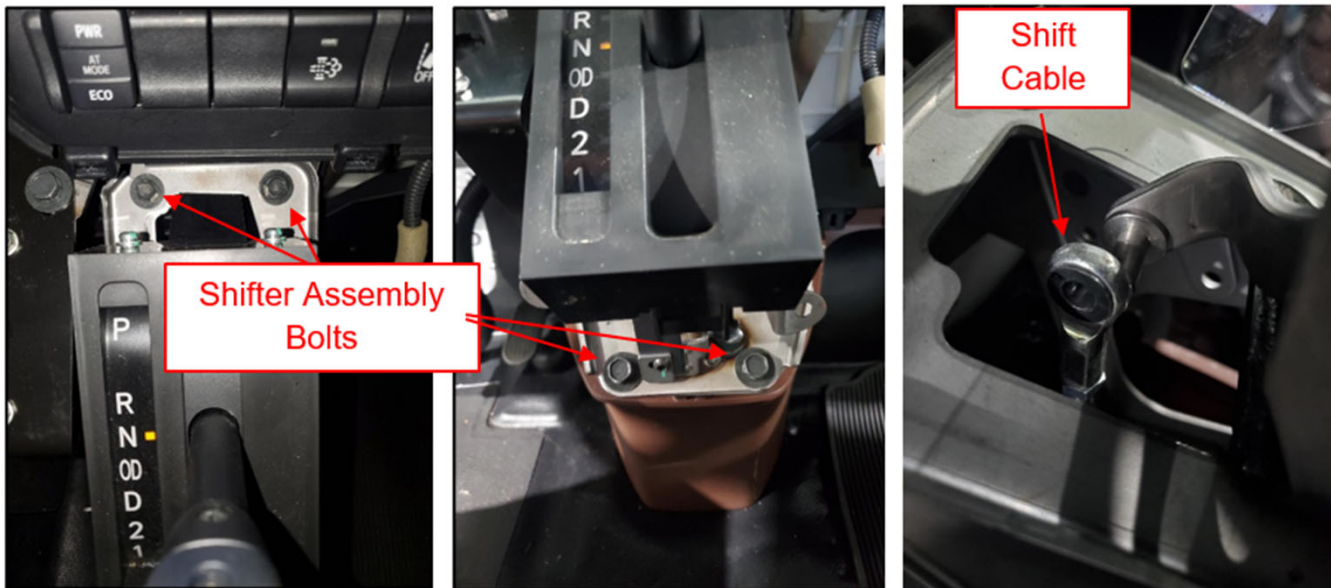
NOTICE: The (2) round retaining clips in the center of the panel may be damaged or remain in the shift selector assembly during removal.



5. Remove the cotter pin and washer retaining the shift cable to the shifter assembly. Retain the cotter pin and washer for later reassembly.



6. Remove the (4) bolts securing the shift selector assembly, carefully disengage the shift cable, then remove and discard the shift selector assembly. Retain the (4) bolts for later reassembly.



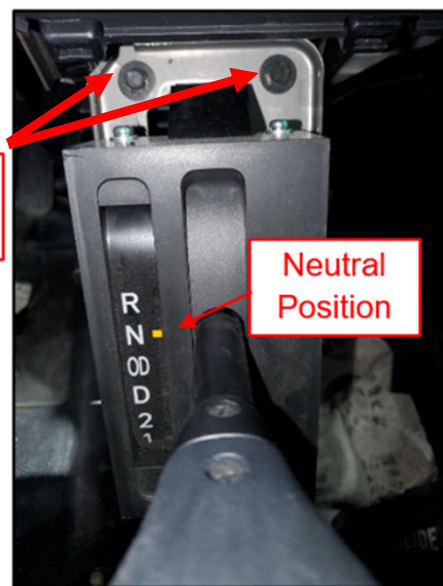
7. Install the new shift selector assembly (Hino P/N 33550E0680) using the (4) bolts removed in STEP 6 and tighten to the specified torque. Place shift selector assembly in the neutral position.

Specified Torque: 16 lb-ft (22 Nm)

NOTICE: Make sure the shift selector assembly is placed in neutral position before proceeding to **STEP 8**

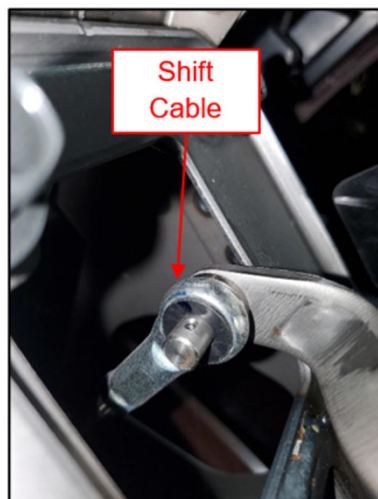


Shift Selector
Assembly Bolts

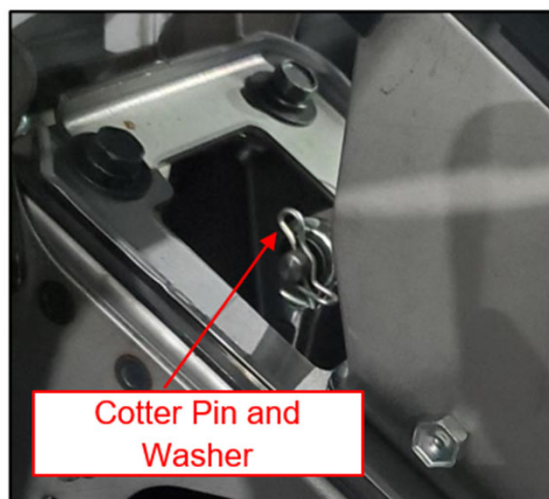


Neutral
Position

8. Install the shift cable on the shift selector assembly and install the cotter pin and washer removed in **STEP 5**



Shift
Cable

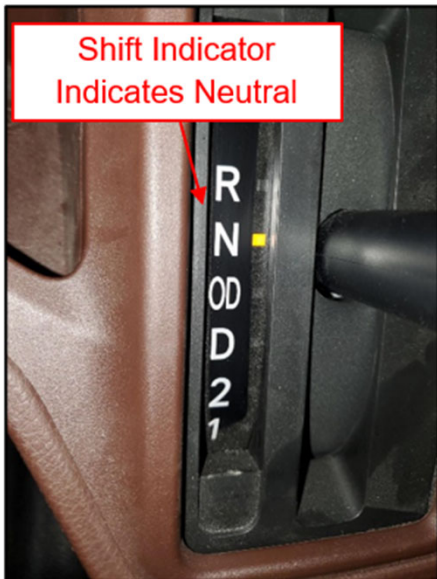


Cotter Pin and
Washer

9. Turn the ignition switch to the run position but do not start the vehicle. Verify the meter and the shift indicator both indicate neutral. Move the shifter through all gear positions and verify the shift indicator on the shift selector assembly and the meter agree in all positions according to the table shown. Does the shift indicator on the shift selector assembly and the meter agree in all positions according to the table?

NO- Place the transmission in neutral, turn the ignition switch off and proceed to **SHIFT CABLE ADJUSTMENT:**

YES- Place the transmission in neutral, turn the ignition switch off and proceed to **STEP 10**



Shift Indicator	Meter
R	R
N	N
OD	D
D	4
2	2
1	1

10. Install the shifter trim panel removed in STEP 3 by carefully lining up the (12) retaining clips and gently pushing forward.

NOTICE: Special care should be given to ensure all retaining clips have been properly installed. Check panel alignment before proceeding to **STEP 11**



11. Is the vehicle equipped with air brakes?

NO- Proceed to **FINAL INSPECTION:**

YES- Install the parking brake control knob removed in STEP 2 by turning clockwise until the threads are fully seated.

Proceed to **FINAL INSPECTION:**



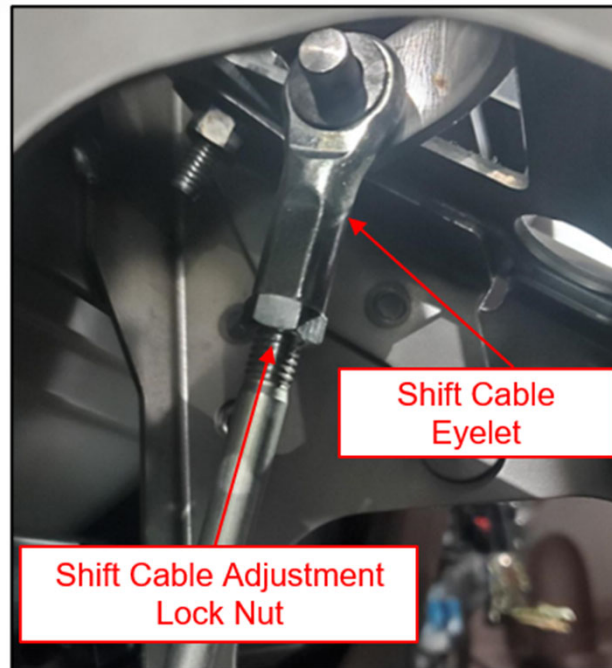
NOTICE: It may be necessary to align the label for ease of identification to the driver. The parking brake control knob is equipped with detents every 90 degrees and may be adjusted by turning counterclockwise to align the label with the driver.

SHIFT CABLE ADJUSTMENT

1. Loosen the shift cable adjustment lock nut. Remove the shift cable from the shifter assembly and turn the eyelet to adjust the length of the shift cable until it installs easily and without binding on to the shifter assembly. Tighten the shift cable adjustment lock nut to the specified torque and return to **STEP 8**

Specified Torque:

75 in-lb (8.5 Nm)



NOTICE: The transmission and the shift selector assembly must remain in neutral. The shift cable should slide easily on and off the shift selector assembly when properly adjusted.

FINAL INSPECTION:

1. To complete this procedure review and confirm the following:
 - All bolts have been tightened to the specified torque.
 - All trim panels have been properly installed.
 - The shift indicator on the shift selector assembly and the shift indicator on the meter agree in all selected positions according to the table shown in STEP 9.
 - The starter operates only when the vehicle is in neutral.
 - The shift selector assembly does not contain a (P) park position.

CLAIM APPLICATION

Reimbursable in accordance within the terms and policies of the Hino limited warranties.

- a) Campaign No.: M0440
- b) Labor Charge:

Repair	Labor
Transmission Shift Selector Inspection Only:	0.3 Hr.
Transmission Shift Selector Inspection and Replacement:	0.7 Hr.

