

TECHNICAL SERVICE BULLETIN

Group:	O-GENERAL
Bulletin No:	SB-16-037
Issue Date:	3-1-2017
Reference:	HMM-161212-B1

TRANSMISSION FLUID LEAK: ALLISON 2000 SERIES COOLER LINE CONNECTOR

SUBJECT VEHICLES: 11MY-16MY Conventional Trucks with an Allison 2000 series transmission.

Note: This service bulletin is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

A vehicle equipped with an Allison 2000 series transmission may experience a transmission fluid leak from the connection between the transmission housing and the fluid cooler line connector. The connector has been changed to prevent damage to the connector O-ring during assembly.

BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface.
- Place the gear shift lever in "Park" or "Neutral".
- Apply the parking brake firmly and confirm parking brake activation.
- Turn off the engine and remove the key from the ignition switch.
- Always wear safety glasses or goggles to protect your eyes.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
47374E0121	Connector	2
SZ30124012	O-Ring	2
SL72202420	Copper Washer	4

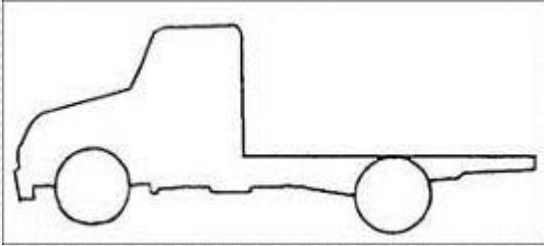


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1. Park the vehicle on a level and solid surface.



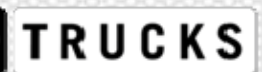
2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



4. Chock all of the wheels.



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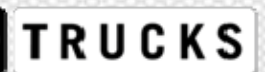
REPAIR PROCEDURE:

1. With a drain pan placed underneath the transmission, remove the banjo bolts securing the transmission cooler lines to the cooler line connectors. Retain the banjo bolts for reassembly. Discard the copper washers.

NOTICE: It may be necessary to hold the cooler line connectors with a wrench during this step.



2. Remove both transmission cooler line connectors from the transmission. Ensure the O-rings remain on the connectors. Discard both of the connectors and O-rings.



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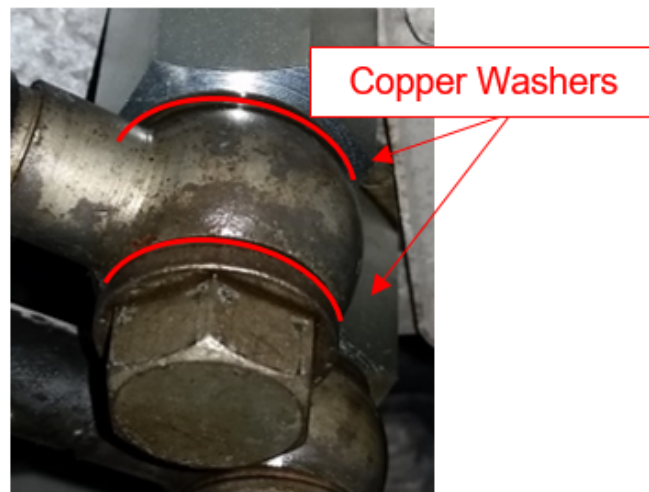
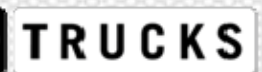
3. Place a new SZ30124012 O-ring over each new 47374E0121 cooler line connector. Apply clean automatic transmission fluid to the O-rings. Install the cooler line connectors in the transmission and tighten to the specified torque.

Specified Torque: 46 Lb-ft (62.5Nm)



4. Reinstall the transmission cooler lines with the banjo bolts and new SL72202420 copper washers. Ensure the copper washers are placed correctly as highlighted in the picture below. Tighten the banjo bolts to the specified torque. Remove the drain pan.

Specified Torque: 55 Lb-ft (75Nm)



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5. Start the vehicle and allow it to idle in park or neutral. Verify proper transmission fluid level. Add fluid as necessary. Refer to the driver door label for fluid type.



FINAL INSPECTION

1. To complete this TSB review and confirm the following:

- No fluid leaks from the transmission cooler line connections are present.
- Transmission fluid level is correct.

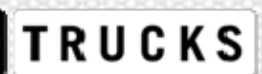
NOTE: This procedure is provided as technical information and is not an authorization for a warranty repair.

CLAIM APPLICATION:

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

Claim Application:

- a) Labor Charge: 0.8 hours
- b) Warranty Code: 26149
- c) Trouble Code: 10
- d) Operation Code: 26550AOT
- e) Part Number: 9999999999



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