



**IMPORTANT SERVICE
INFORMATION FOR:**

- ✓ SERVICE MANAGER
- ✓ SERVICE ADVISOR
- ✓ PARTS DEPARTMENT
- ✓ WARRANTY PERSONNEL

BULLETIN NUMBER:
IB19-K-002A

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GROUP:
TRANSMISSION

**USE OF SHRINK TUBING AROUND TRANSMISSION FLUID LEVEL INDICATOR
(DIPSTICK) TUBE JOINT TO AVOID WATER INTRUSION**

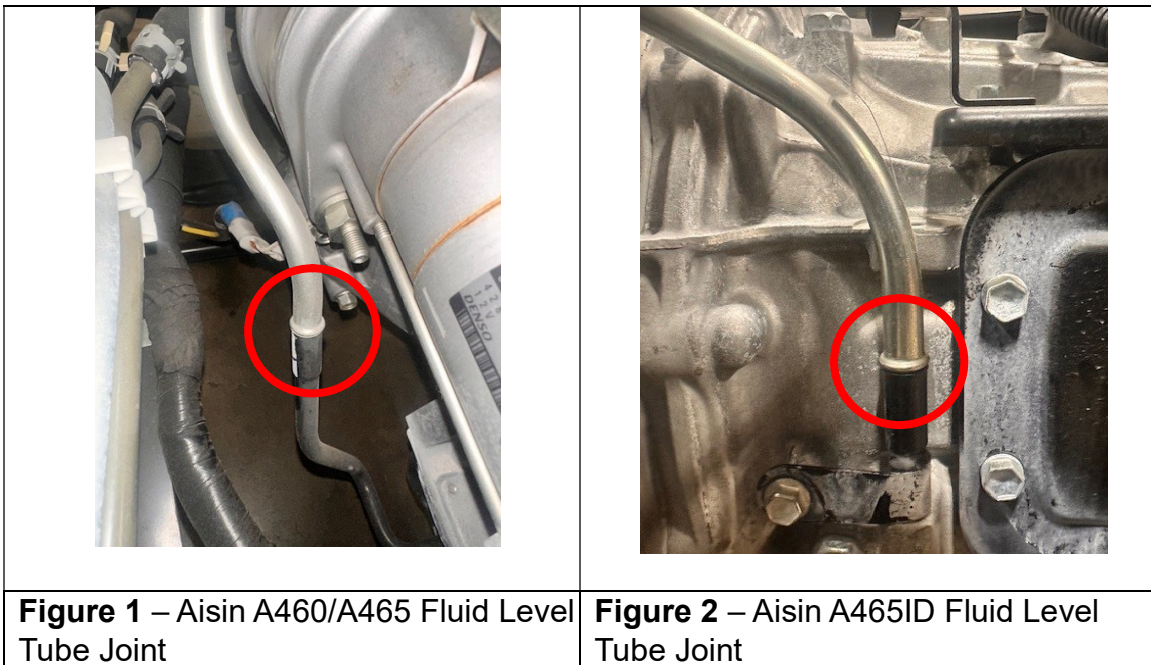
AFFECTED VEHICLES

- All Isuzu Commercial Vehicles equipped with Aisin Automatic Transmissions

This bulletin is being revised to update content and supersedes Bulletin Number IB19-K-002. Please discard previous Bulletin Number IB19-K-002

INFORMATION

Teardown investigations of Aisin Remanufactured Transmissions have identified a small possibility of water entering through the transmission fluid level indicator tube joint shown in Figures 1 and 2.



Note: Vehicles equipped with the original Aisin transmission do not have shrink tubing installed.

Anytime the transmission is removed, or the transmission oil pan is reinstalled after removal, the following routinely may occur at the fluid level indicator tube joint:

- The joint may become misaligned and slightly bent.
- The sealing O-ring may be left out

- The sealing O-ring may be damaged

Any of the above conditions may allow water to enter the transmission oil pan through an opening in the fluid level indicator tube joint.

NOTE: The use of heat shrink tubing to seal the fluid level indicator tube joint should be done any time an Aisin transmission is replaced, or the transmission oil pan is removed and reinstalled.

SHRINK TUBING INSTALLATION PROCEDURE

1. Remove the one (1) nut or bolt as shown in Figure 3.



Figure 3 – Bolt Holding Oil Filler Tube

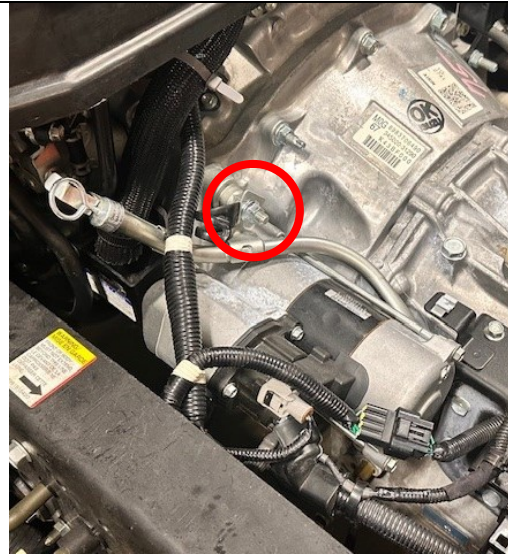


Figure 4 – Nut Holding Oil Filler Tube

2. Remove the oil filler tube from the transmission pan/case by firmly pulling on the oil filler tube to separate it from the joint.
3. Inspect that the transmission oil filler tube O-Ring is present as shown in Figure 5.

NOTE: If the oil filler tube O-Ring is missing or damaged, replace it using the correct sized O-Ring.



Figure 5 – Filler Tube O-Ring

- Slide the shrink tubing onto the oil filler tube as shown in Figure 6.

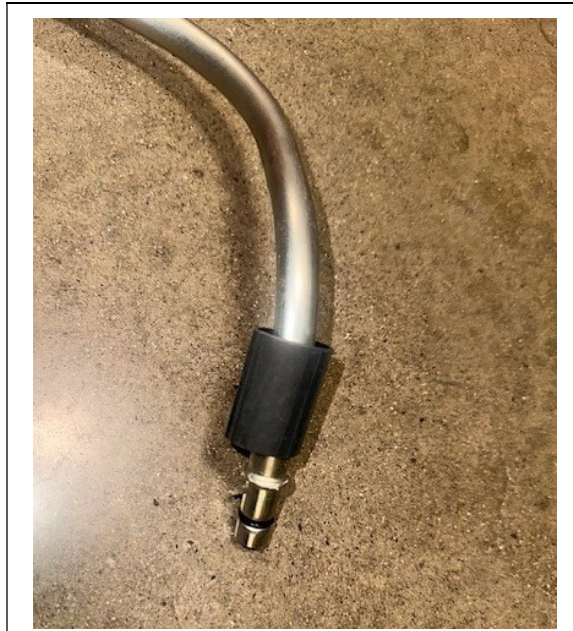


Figure 6 – Shrink Tubing Over Tube

- Install the filler tube into the joint with Automatic Transmission Fluid (ATF) lightly applied to the O-Ring.
- Install and torque the one (1) nut or bolt that secures the oil filler tube to the transmission as shown in Figures 7 and 8.

Tightening Torque:

47 N·m (35 lb·ft)



Figure 7 – Bolt Holding Oil Filler Tube

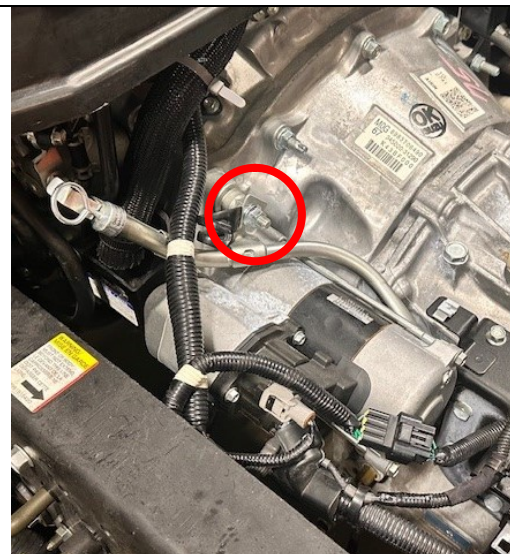


Figure 8 – Nut Holding Oil Filler Tube

- Using a heat gun or similar, heat the shrink tubing to seal the fluid level tube joint.
NOTE: Be sure that the shrink tubing is placed in the middle of the fluid level tube joint as shown in Figures 9 and 10 before heating the shrink tubing.



Figure 9 - Aisin A460/A465 Fluid Level Tube Joint



Figure 10 - Aisin A465ID Fluid Level Tube Joint

PARTS INFORMATION

Part Number	Description
2-9002P-500-0*	Shrink Tubing

*Parts are to be obtained from AIPDN.