



# Campaign Service

## BULLETIN

### IMPORTANT SERVICE INFORMATION FOR:

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

**BULLETIN NUMBER:**  
CB22-N-001

**ISSUE DATE:**  
JUNE 2022

**GROUP:**  
ELECTRICAL



CV

## IMPORTANT SAFETY RECALL

### MIS-WIRED ENGINE OIL PRESSURE SENSOR (V2202) – 22V-TBD Transport Canada 2022-TBD

#### AFFECTED VEHICLES

- 2022MY Isuzu N-Series Vehicles (Equipped with 6.0L Gasoline Engines) Built Before November 3, 2021

#### INFORMATION

##### CONDITION

Isuzu Motors Limited has decided that a defect exists in certain 2022 model year Isuzu NQR and NRR trucks (equipped with 6.0L gasoline engines) built before November 3, 2021. In the affected vehicles, the engine wiring harness assembly was incorrectly wired at the pinout connector for the oil pressure sensor. The ECM (and a technician's scan tool) will not detect the condition for low oil pressure and will always perceive the pressure to be at 126 PSI. If the oil pressure drops below a certain level, the engine oil pressure telltale will not illuminate to indicate low pressure. If the engine oil pressure is low, the defect will mask the warning to the driver or consumer, who may continue to operate the vehicles with a low engine oil pressure. If the engine continues to operate at a low engine oil pressure, it could damage the engine or its components and could cause the engine to seize and stall without prior warning. A seized engine can result in vehicle stalling and increase the risk of a crash.

##### NEW VEHICLE CORRECTION **(DEALER INVENTORY ONLY)**

You (Isuzu dealers) will correct the engine wiring harness assembly connector in the engine oil pressure sensor in the new vehicles **in your inventory**. Open a repair order referencing the Stop Sale (dated 6/17/2022) and perform the remedy procedure set forth in this bulletin.

**IMPORTANT: This correction is for affected new vehicles in dealer inventory only. This bulletin will be updated when a remedy has been determined for affected customer vehicles.**

## VEHICLES INVOLVED

Involved are certain 2022 model year N-Series vehicles (equipped with 6.0L engines) built before November 3, 2021.

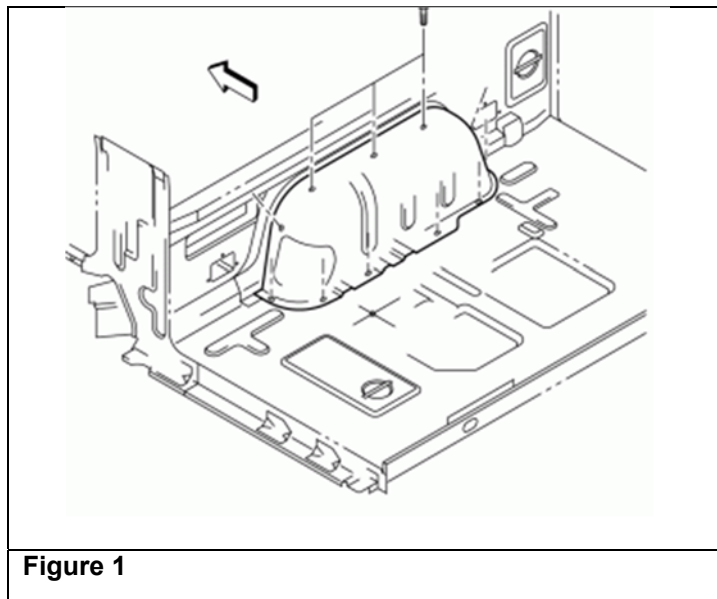
**Important:** Dealers are to confirm vehicle eligibility prior to beginning repairs by using IVIS (Isuzu Vehicle Information System).

For dealers with involved vehicles, a report of involved vehicles containing the complete vehicle identification numbers has been or will be provided. Dealers will not have a report available if they have no involved vehicles currently assigned.

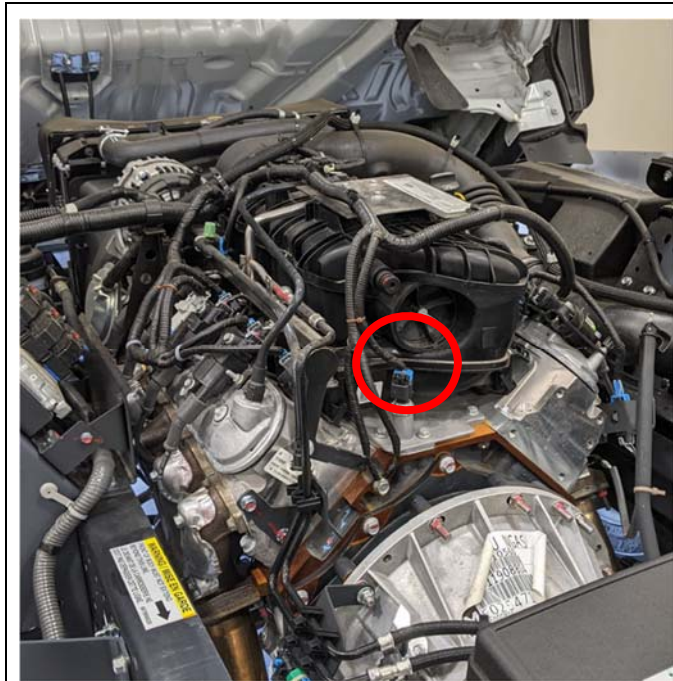
## SERVICE PROCEDURE

### NEW VEHICLE CORRECTION (DEALER INVENTORY ONLY)

1. Apply the parking brake and block the rear wheels.
2. For non-crew cab models, safely tilt the cab and insert the safety pin per the instructions in the applicable Workshop Manual (WSM). If the vehicle is a crew cab model, remove the in-cab rear engine cover. (See Figure 1.)

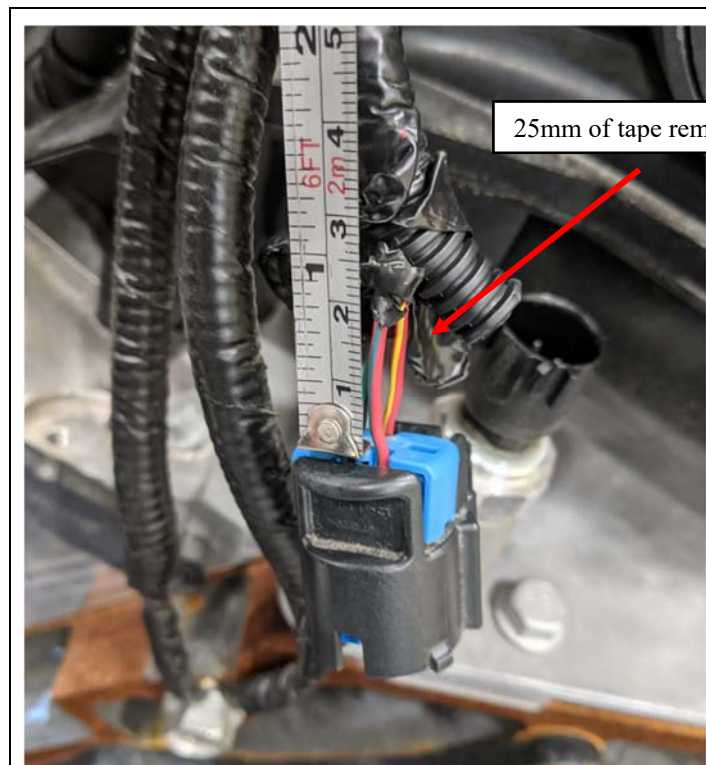


3. Locate the oil pressure sensor on the upper rear of the engine just behind the intake plenum. (See Figure 2.)



**Figure 2**

4. Remove the connector E-104 from the oil pressure sensor by squeezing the lock tab and pulling upwards.
5. Remove the tape from the plastic conduit around the wires to the E-104 connector about 30mm up from the connector. Remove the wires from the conduit.
6. Remove the tape from the wires about 25mm up from the E-104 connector. (See Figure 3.)



25mm of tape removed

**Figure 3**

7. Use a small screwdriver to remove the Primary Lock Reinforcement (PLR) from the inner portion of the E-104 connector as shown in Figures 4 and 5. Set aside the PLR for reuse later.



Figure 4



Figure 5

8. Use a small screwdriver to remove the Terminal Position Assurance (TPA) piece from the topside of the E-104 connector as shown in Figures 6 and 7. Make sure to unlock both tabs of the TPA before removing it. Set aside the TPA for reuse later.



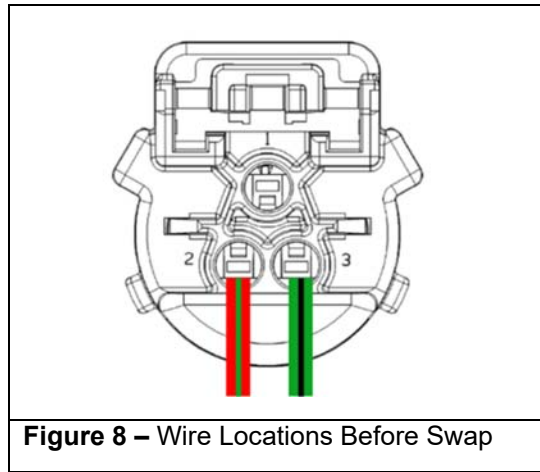
Figure 6



Figure 7

9. Locate the wires going into Terminals 2 and 3 of the connector. (See Figure 8.)

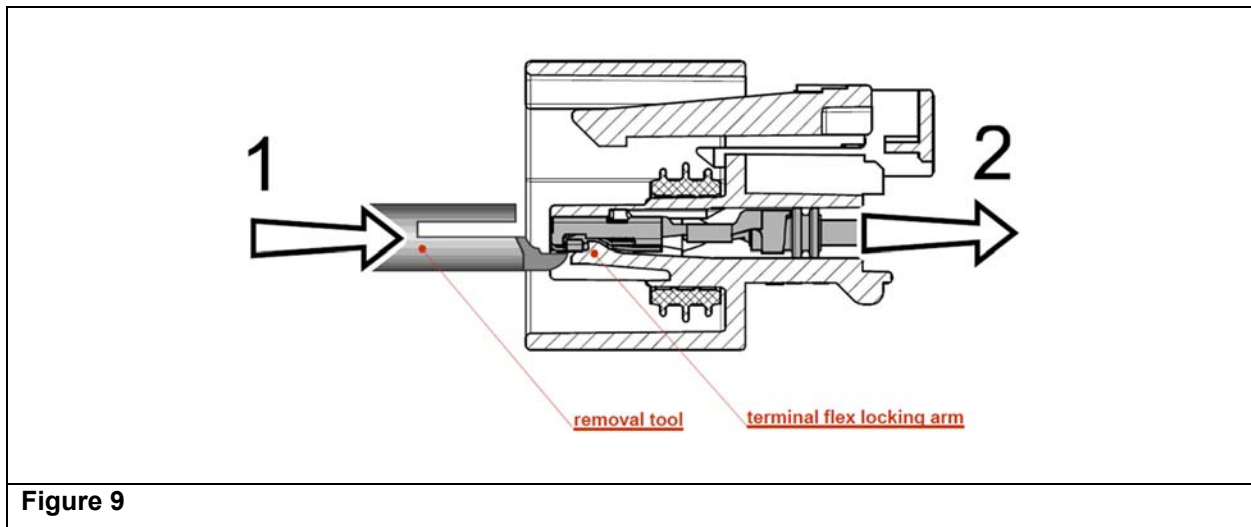
**NOTE: Do not remove Terminal 1. It does not require any modification.**



10. Using terminal tool 10757862 or equivalent, deflect the locking arm for each wire in Terminals 2 and 3 as shown in Figure 9. As each locking arm is deflected, gently pull on the wire to remove each metal wire terminal end from the connector body. (See Figures 10 and 11).

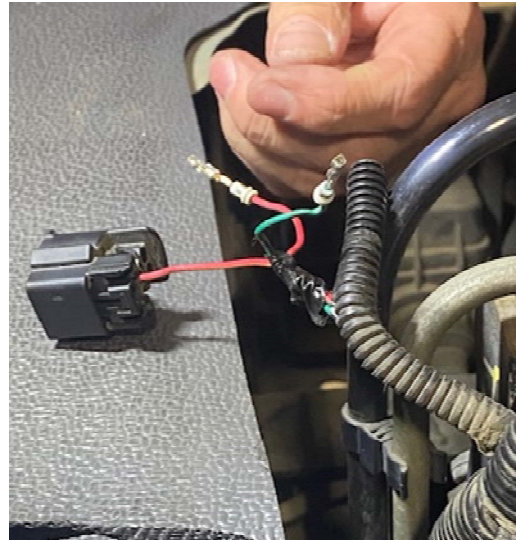
**NOTE: A small pick can be used to deflect the locking arm if a terminal tool is not available.**

**NOTE: Make note of the orientation of the metal terminals as they are removed for ease of reassembly.**



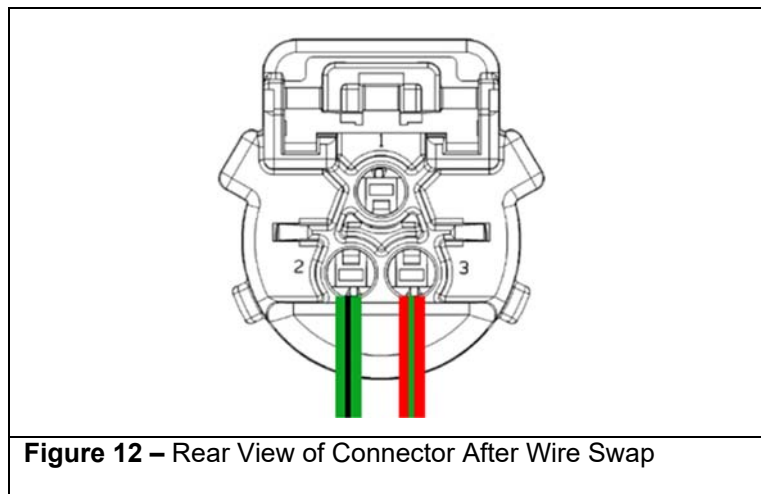


**Figure 10**



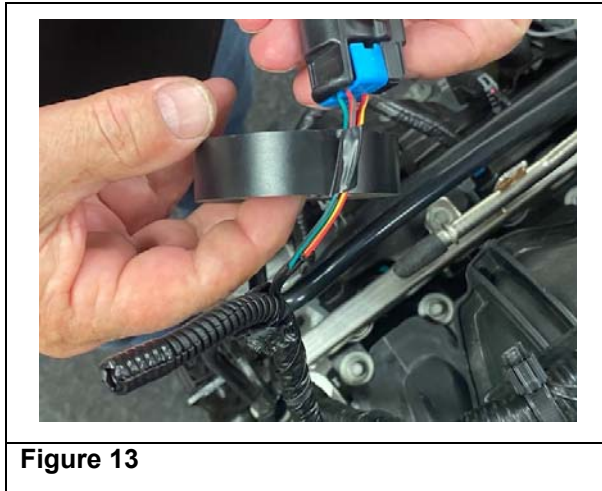
**Figure 11**

11. Swap the wires of Terminals 2 and 3. Insert each wire into the proper hole with the metal terminal orientated the same way as it came out in Step 10. (See Figure 12.) Ensure that each metal terminal fully engages under each lock arm and that the rubber seal is completely seated into the connector.
12. Inspect the rear of the connector to ensure that the wires of Terminals 2 and 3 are now in the correct locations as shown in Figure 12.

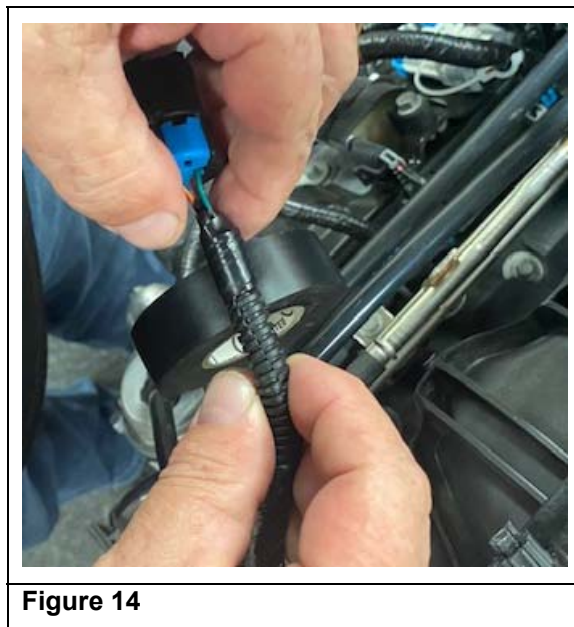


**Figure 12 – Rear View of Connector After Wire Swap**

13. Reinstall the TPA removed in Step 8 onto the rear of the connector. Ensure that each tab of the TPA “snaps” into place.
14. Reinstall the PLR removed in Step 7. Ensure that the PLR “snaps” completely in place.
15. Apply vinyl electrical tape back onto the wires from which the tape was removed in Step 6. (See Figure 13.)

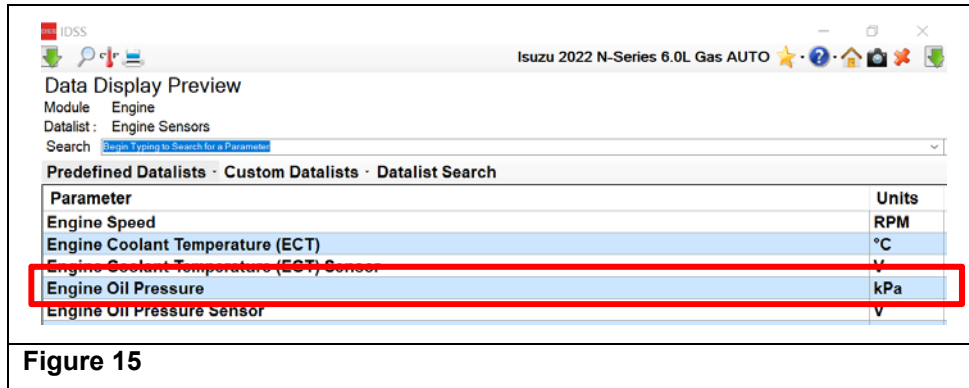


16. Insert the wires back into the plastic conduit through the split in the conduit. Apply vinyl electrical tape around the conduit that was removed in Step 5. (See Figure 14.)



17. Connect the connector to the oil pressure sensor.

18. Using IDSS and with the engine running, check the engine oil pressure and confirm that oil pressure fluctuates with the engine RPM. (See Figure 15.)



a. If the oil pressure fluctuates, proceed to Step 19.

b. If the oil pressure remains at 126 PSI, confirm the wires are in the correct location as shown in Figure 11, the terminals are completely seated into the connector, and that the connector is completely seated onto the engine oil pressure sensor. If these checks do not find and correct the problem, contact TAL for assistance.

19. For non-crew cab models, remove the safety pin, lower the cab and properly lock it in place per the instructions in the applicable WSM. If the vehicle is a crew cab model, reinstall the in-cab rear engine cover that was removed in Step 2 and tighten the fasteners to **Tightening Torque: 6.5 Nm (4.8 lb ft)**.

20. Proceed to Applying the Campaign Label.

### APPLYING THE CAMPAIGN LABEL

21. Using a ball-point pen, fill in a campaign label (Part No. 2-90028-700-0) with Campaign Number V2202, Isuzu dealer code, and repair date.

22. Affix the campaign label onto the driver's side B-pillar.





## CLAIM INFORMATION

Refer to the Isuzu ICS Claims Processing Manual for details on Campaign Claim Submission.

Submit only **one** claim as indicated below.

Labor Code	Description	Labor Hours
V2202	Mis-wired Engine Oil Pressure Sensor Safety Recall	0.4
	Add Time: For Crew Cab Models	0.4

*Includes 0.1 hours for administrative allowance*

## DEALER RESPONSIBILITY

Whenever a new vehicle subject to this campaign is in your vehicle inventory, you must take the steps necessary to ensure the recall remedy has been implemented before selling or releasing the vehicle.

### Important:

As required by Federal law, dealers are not to deliver any new vehicle in their inventory, which is covered by a Safety Recall, until the necessary remedy has been performed.

Dealers are to confirm vehicle eligibility prior to beginning repairs by using IVIS (Isuzu Vehicle Information System). Not all vehicles may be involved.

For dealers with involved vehicles, a listing of involved vehicles containing the complete vehicle identification numbers has been or will be provided. Dealers will not have a report available if they have no involved vehicles currently assigned.

## OWNER NOTIFICATION

This section will be updated when an approved owner letter is available.