INTERNATIONAL®

FIELD SERVICE CAMPAIGN – 25109R1

April 6, 2026

SUBJECT:
HVAC Pressure Sensor Replacement

MODELS INVOLVED:
IC Bus™ Electric CE Series buses

REASON FOR REVISION:
Updated Labor Table Information

DEFECT DESCRIPTION:
Certain IC Bus™ Electric CE Series buses may have incorrect suction and discharge pressure sensors.

ELIGIBILITY:
This procedure applies ONLY to vehicles marked in the International® Service Portal℠ with FSC 25109. Also complete any other open campaigns listed on the Service Portal at this time.

TOOLS REQUIRED:

No special tool required.

PARTS REQUIRED:

Part Number	Description	Quantity
4467852C1	Sensor, Refrigerant Pressure 2cp5-71-5m	4

Table 1 Parts Information

WORK INSTRUCTIONS

WARNING! To prevent personal injury and / or death, or damage to property, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent personal injury and / or death, or damage to property, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

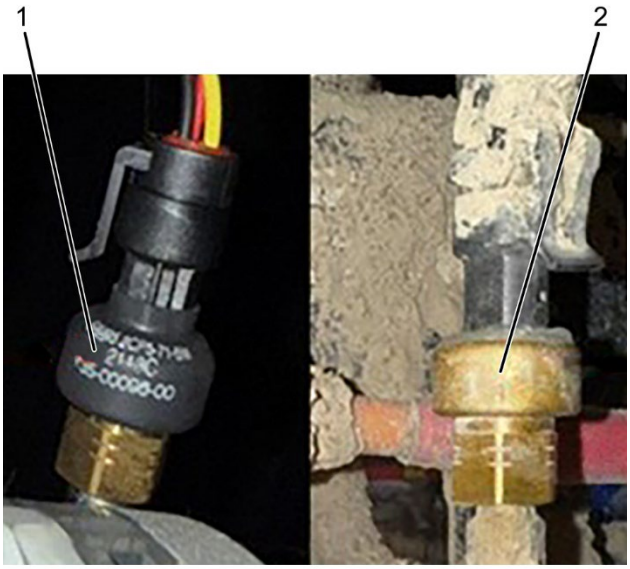
WARNING! To prevent personal injury and / or death, or damage to property, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

WARNING! To prevent personal injury or death, NEVER service a high-voltage vehicle without completing High-Voltage Safety Training. Before working on a vehicle, read and obey all High-Voltage Safety and Lock-Out Tag-Out procedures and information.

WARNING! To prevent personal injury or death, wear and use approved high-voltage Personal Protective Equipment (PPE) when near a high-voltage electric vehicle. Inspect PPE before use. Do not use gloves or other PPE with expired dates, holes, cracks or damage. NEVER touch energized orange high-voltage cables or high-voltage components without wearing approved high-voltage PPE.

WARNING! To prevent personal injury or death, read all information in the Safety Information and High-Voltage Safety sections of the service manual.

1. Park vehicle on flat, level surface.
2. Put drive mode selector in Park or Neutral and set parking brake.
3. Turn ignition to Key OFF position.
4. Install wheel chocks.
5. Turn 12V and high-voltage disconnect switches to OFF position. Refer to appropriate technician manual for detailed instructions.
6. Using jack, raise vehicle and support on jack stands.
7. Gain access to front and rear HVAC unit.



0000493258

Figure 1. HVAC Pressure Sensor Part Number Location

1. Correct part number 2CP5-71-5M
2. Incorrect part number 2CP5-71-47

8. Inspect HVAC pressure sensor (Figure 1) and verify if it has been replaced.

9. Did inspection results show new sensor:
    a. If yes, go to Step 20.
    b. If no, proceed to next step.

NOTE: The HVAC system does not need to evacuated. The sensors have Schrader valves to hold the freon within the system.

NOTE: Leave the bus up on the lift to complete sensor replacement.

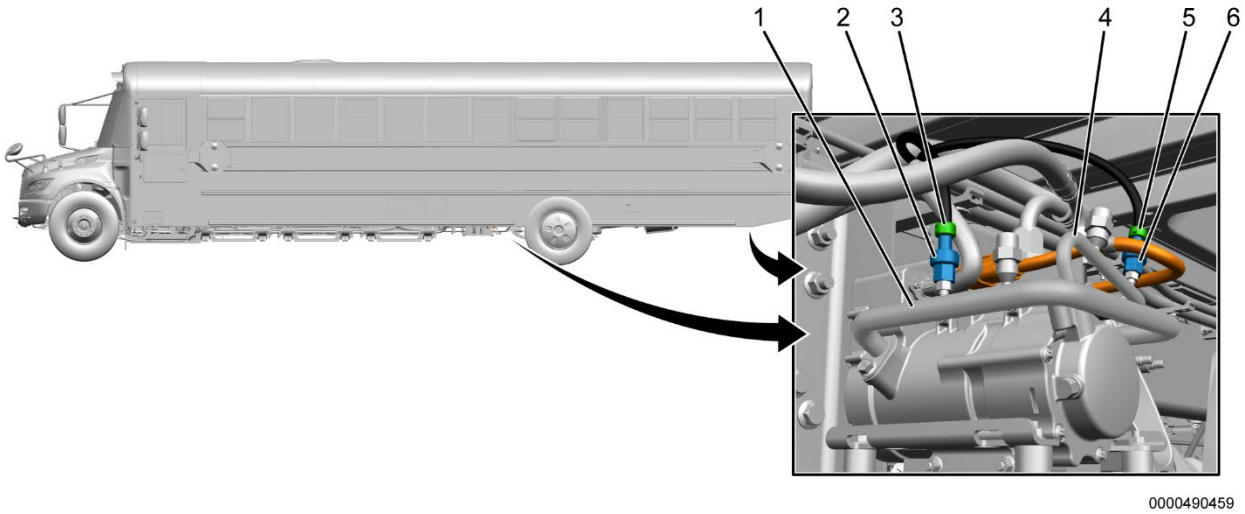


Figure 2. Pressure Sensor Locations

1. Low-pressure refrigerant line
2. Low-pressure A/C sensor
3. Low-pressure sensor electrical connector
4. High-pressure refrigerant line
5. High-pressure sensor electrical connector
6. High-pressure A/C sensor

10. Perform High-Voltage Isolation Level 1 and perform Lock-Out Tag-Out (LOTO) procedure. Refer to appropriate technician manual for detailed instructions.

11. Begin by replacing front HVAC pressure sensors.

12. Using nylon bristle brush, clean sensor of any debris before removal.

13. Disconnect low-pressure sensor electrical connector (Figure 2, Item 3) and high-pressure sensor electrical connector (Figure 2, Item 5).

14. Remove low-pressure and high-pressure A/C sensors (Figure 2, Items 2 and 6), and verify Schrader valve is not leaking.

15. Install new low-pressure and high-pressure A/C sensors (Figure 2, Items 2 and 6).

16. Using torque wrench, tighten sensors to 10−13 lb-ft (14−18 N·m).

17. Reconnect low-pressure sensor electrical connector (Figure 2, Item 3) and high-pressure sensor electrical connector (Figure 2, Item 5).

18. Repeat Steps 12−17 for rear HVAC system.

19. Install all MSDs into the vehicle. Refer to appropriate technician manual for detailed instructions.

20. Using jack, raise vehicle, remove jack stands, and lower vehicle.

21. Turn 12V and high-voltage disconnect switches to ON position. Refer to appropriate technician manual for detailed instructions.

22. Test front and rear HVAC systems to verify proper operation.

23. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Operation Number	Description	Time
A40-25109-1	Inspect Sensors, Level 1 Isolation & Replace Sensors	1.1 hrs
A40-25109-2	Sensor Inspection Only	0.2 hrs

Table 2 Labor Information

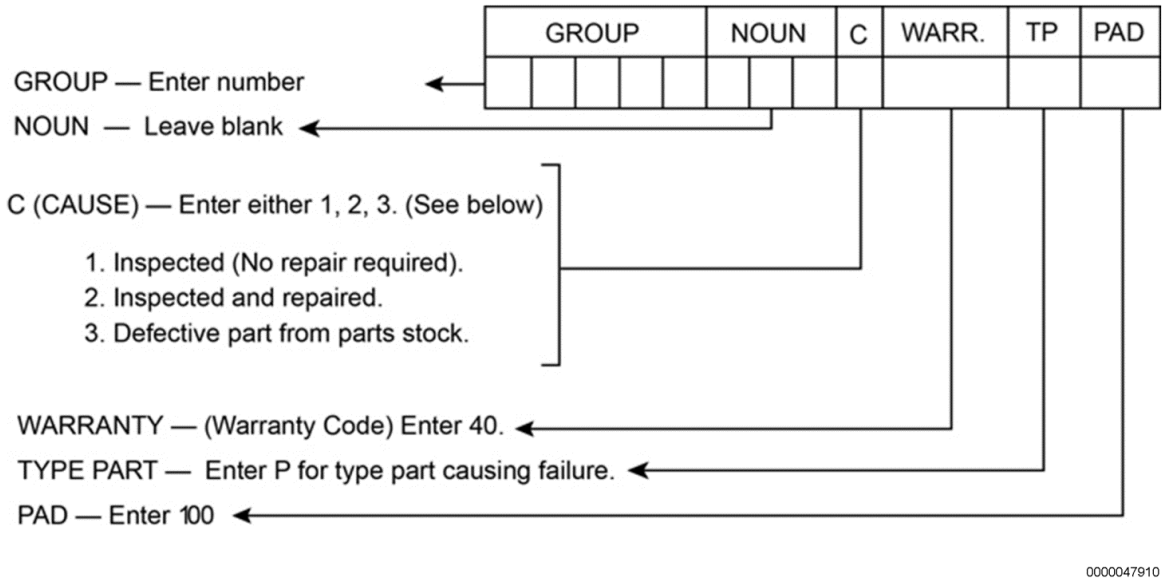
WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 25109.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 25109 activity must be submitted by 03 March 2026 or within the normal warranty period for the component repaired, if after 03 March 2026.



IC Bus, LLC