



TECHNICAL SERVICE BULLETIN

Ambient Air Temperature Sensor Replacement

26-2251
26 May 2026

This bulletin supersedes 25-2545. Reason for update: correct the current Pinpoint Test description, update the Service procedure Step 1(2) to discard the ambient temperature sensor and bezel, and Step 3 to discard the exterior mirror cover.

Model:

Ford 2023-2025 F-Super Duty	Built on or before 14-Jun-2025
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Markets: North American markets only

Issue: Some vehicles listed in the Model statement above may require the replacement of the ambient air temperature sensor for various concerns. DTCs P0071, P0072, and/or P0073 may be present in the PCM.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to replace the ambient air temperature sensor, wiring pigtail kit, ambient air temperature sensor bezel, and the exterior mirror housing cover if WSM, Section 413-01 > Pinpoint Test BO (The Outside Air Temperature Display Is Inoperative Or Incorrect) leads to the replacement of the ambient air temperature sensor.

Parts

Service Part Number	Claim Quantity	Description
HC3Z-12A647-A	1	Ambient Air Temperature Sensor
PC3Z-14A411-D	1	Wiring Pigtail Kit
HC3Z-17K709-A	1	Ambient Air Temperature Sensor Bezel
SC3Z-17D742-B	1	Mirror Cover (With Puddle Lamp)
SC3Z-17D742-A	1	Mirror Cover (Less Puddle Lamp)
3U2Z-14A088-AB	1	Heat Shrink Tube

Claim Quantity refers to the total number of individual pieces required to repair the vehicle. This may differ from the number of service part number packages due to the unit of issue (UOI).

As Needed indicates the part is necessary but amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

Only If Necessary indicates the part is not mandatory. Refer to the Service Procedure to determine the inspection/inclusion criteria.

Warranty Status: Warranty coverage limits and policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

Labor Times

Description	Operation No.	Time
2023-2025 F-Super Duty: Retrieve DTCs, And Replace The Ambient Air Temperature Sensor, Wiring Pigtail, Bezel And Exterior Mirror Housing	262251A	0.7 Hrs
2023-2025 F-Super Duty: Additional Time To Align 360 Degree Camera If Equipped. (Can Be Claimed With Operation A)	262251B	0.5 Hrs

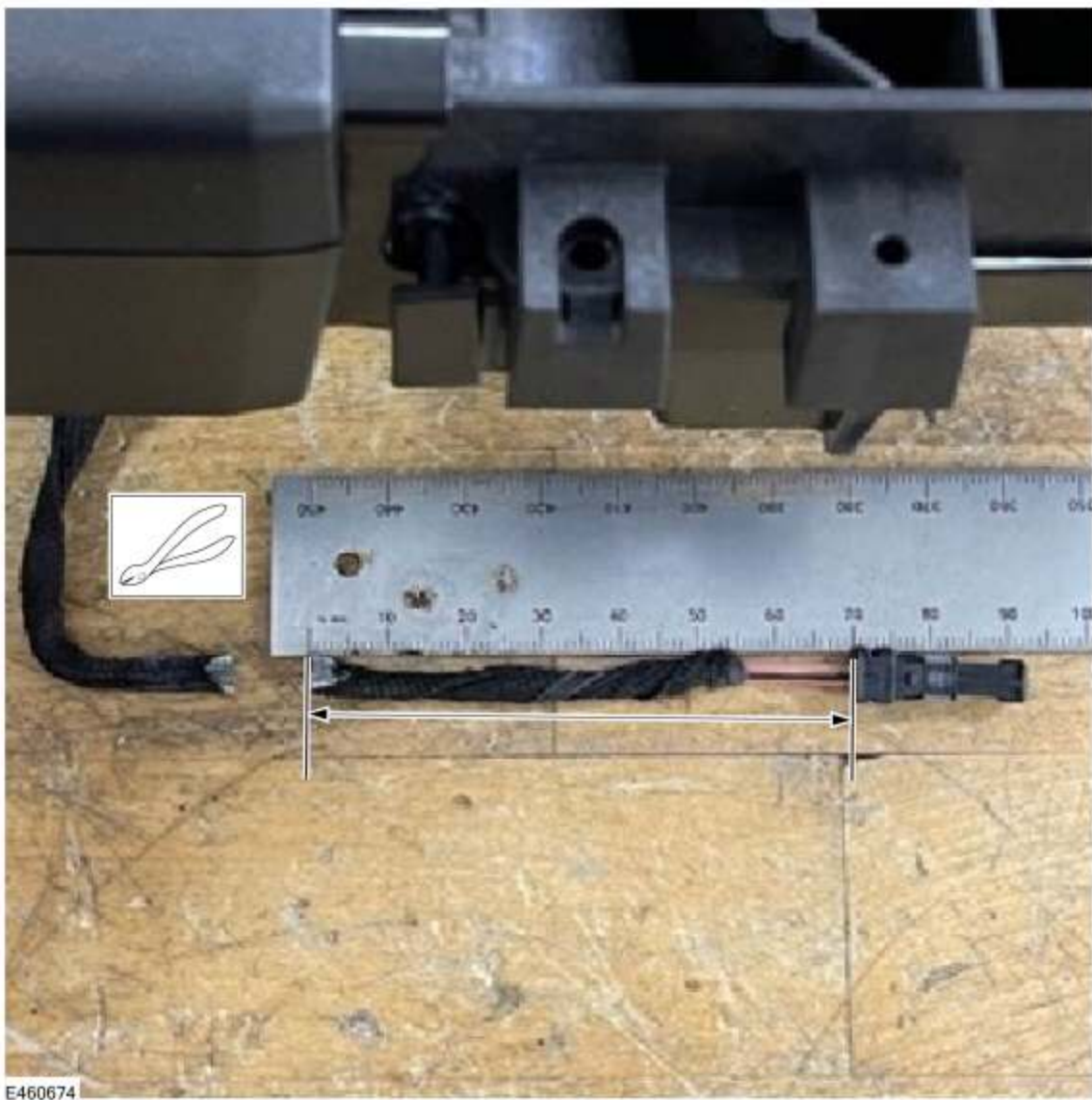
Repair/Claim Coding

Causal Part:	12A647
Condition Code:	42

Service Procedure

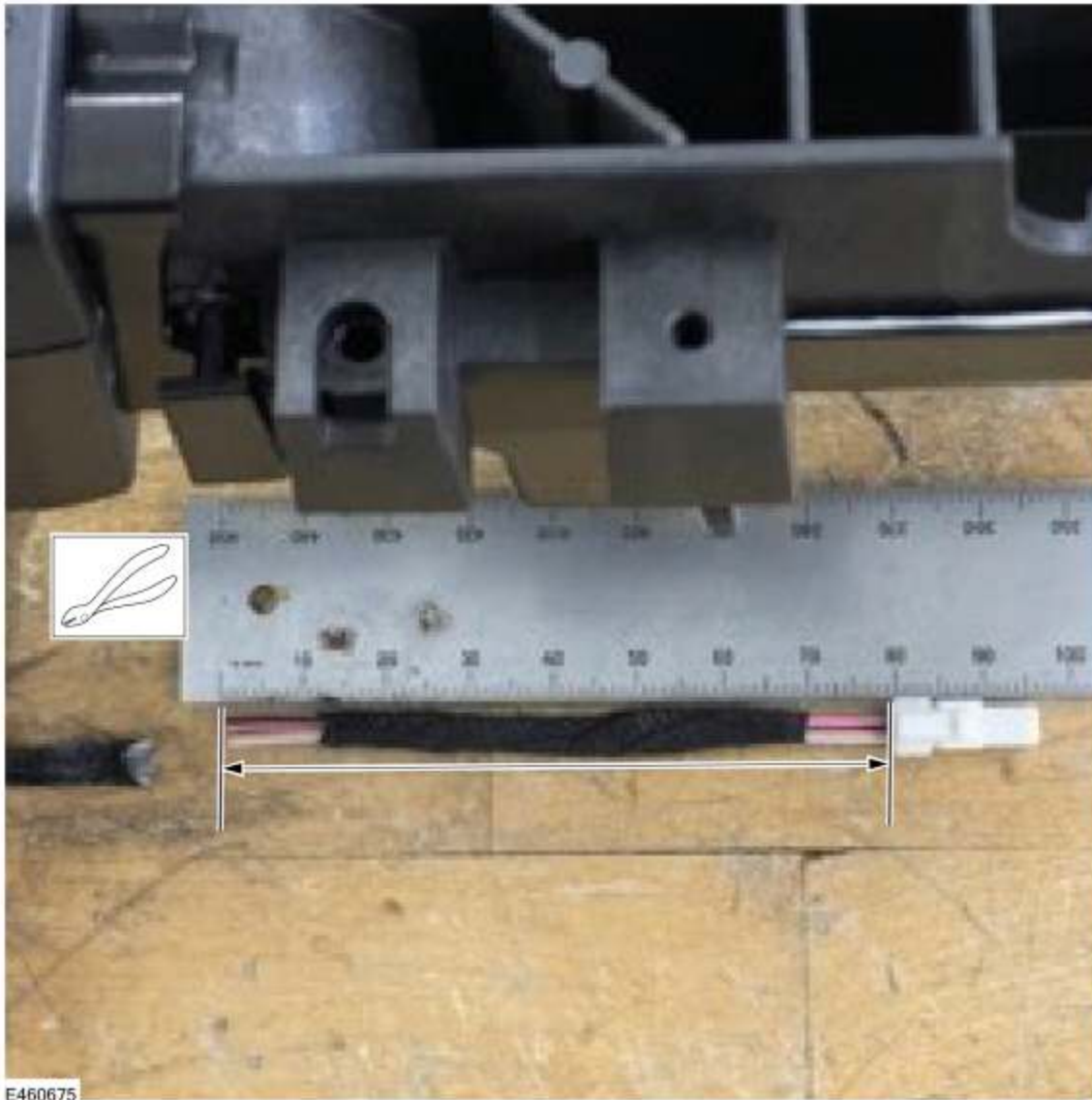
1. Perform Pinpoint Test BO (The Outside Air Temperature Display Is Inoperative Or Incorrect) in WSM, Section 413-01 outside of this article. Did Pinpoint Test BO lead to the replacement of the ambient air temperature sensor?
 - (1). Yes - remove and discard the ambient air temperature sensor and bezel. Refer to the WSM, Section 412-00 Climate Control System - General Information > Removal and Installation. Proceed to Step 2.
 - (2). No - this article does not apply. Refer to WSM, Section 413-01 for normal diagnostics.
2. Remove the right exterior mirror. Refer to the WSM, Section 501-09 Rear View Mirrors > Removal and Installation > Exterior Mirror.
3. Remove and discard the right exterior mirror cover using the procedure steps in WSM, Section 501-09 Rear View Mirrors > Removal and Installation > Exterior Mirror
4. Cut the ambient air temperature sensor wiring harness 2 3/4 in. (70 mm) from connector C650. (Figure 1)

Figure 1



5. Cut the new ambient temperature sensor wiring pigtail kit 3 5/32 in. (80 mm) back from the connector. (Figure 2)

Figure 2



6. Splice the new ambient air temperature sensor wiring pigtail kit to the harness using the solder method. Refer to Wiring Diagram, Cell 005, Pages 5-6.
7. Install the new exterior mirror cover, ambient air temperature sensor and bezel, and reinstall the exterior mirror using the procedure steps in WSM, Section 501-09 Rear View Mirrors > Removal and Installation > Exterior Mirror.
8. Reset the outside air temperature sensor learned values. Refer to the WSM, Section 412-00 > General Procedures.
9. If equipped, align the 360° cameras. Refer to the WSM, Section 413-13 > Parking Aid - Vehicles With: 360 Degree Camera/Analog Rear View Camera > General Procedures.

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