



TECHNICAL SERVICE BULLETIN

Ambient Air Temperature Sensor Replacement

26-2006

17 April 2026

Model:

Ford 2021-2025 Bronco	Built on or before 09-Sep-2025
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Markets: North America 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, and update the HVAC module if WSM, Pinpoint Test BB or AZ for 2025 vehicles (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
3U2Z-14A088-AB	1	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
2021-2025 Bronco: Retrieve DTCs And Replace Ambient Temperature Sensor And Wiring Pigtail Includes Time To Reprogram The HVAC Module	262006A	0.7 Hrs
2021-2025 Bronco: Additional Time To Align 360 Degree Camera If Equipped (Can Be Claimed With Operation A)	262006B	0.5 Hrs

Repair/Claim Coding

Causal Part:	12A647
Condition Code:	42

Service Procedure

1. Perform Pinpoint Test BB or AZ for 2025 vehicles (The Outside Air Temperature Display Is Inoperative Or Incorrect) in WSM, Section 413-01 outside of this article. Did Pinpoint Test BB or AZ for 2025 vehicles result in the replacement of the ambient air temperature sensor?

1. Yes - proceed to Step 2.

2. No - this article does not apply. Refer to normal diagnostics in WSM, Section 413-01.

2. Remove the left exterior mirror. Refer to WSM, Section 501-09 Rear View Mirrors > Removal and Installation > Exterior Mirror.

3. Cut the ambient air temperature sensor wiring harness and connector directly behind the ambient air temperature sensor mating connector. (Figure 1)

Figure 1



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4. Cut the new ambient air temperature sensor wiring pigtail kit 1.57 in (40 mm) back from the connector. (Figure 2)

Figure 2



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5. Splice the new ambient air temperature sensor wiring pigtail kit to the harness using the solder method. Refer to the Wiring Diagram, Cell 005, Pages 5-6.
6. Using the procedure steps in [WSM](#), Section 501-09 Rear View Mirrors > Removal and Installation > Exterior Mirror, install the new exterior ambient air temperature sensor and reinstall the exterior mirror.
7. Reset the outside air temperature sensor learned values. Refer to [WSM](#), Section 412-00 > General Procedures.
8. If equipped, align the 360° cameras. Refer to [WSM](#), Section 413-13 > Parking Aid - Vehicles With: 360 Degree Camera/Analog Rear View Camera > General Procedures.
9. Reprogram the [HVAC](#) module using the latest software level of the [FDRS](#) scan tool.

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