

XAB- A/C Inoperable or Blowing Warm Air

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Macan Electric	2024	XAB	N/A	N/A

Revision History

Revision	Release Date	Changes
0	October 4, 2024	Original document

Condition

The workshop observes warm air through the vents or no Air Conditioning available. Fault code **B16A284**, DTC **30071** "Refrigerant circuit, passenger compartment cooling, pressure too low" is stored in Main control unit for body electronics HCP4 (J519) – thermal management.

Technical Background

All vehicles are filled correctly with refrigerant from production. Refrigerant leaks may occur from crimps or connections of the A/C lines in the front trunk area (Figure 1).

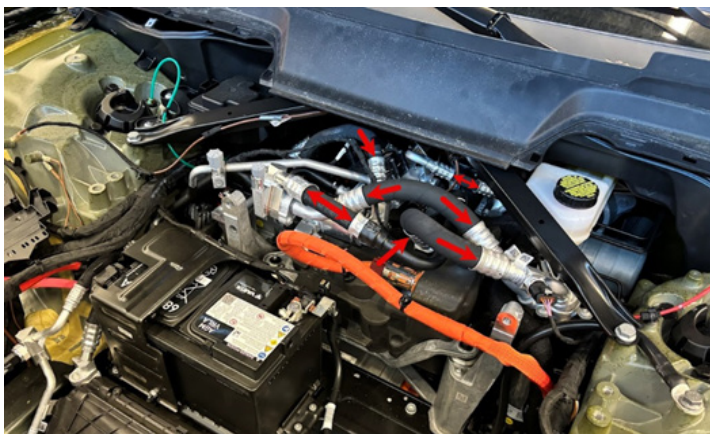


Figure 1

Advanced Technical Information

Service Information

If the condition described above is confirmed, proceed to inspect the air conditioning refrigerant circuits for leaks using refrigerant dye and/or soapy water on potential leak points.

If pressure loss is detected, closely inspect the aforementioned lines for leaks with soapy water. If leaks are observed like in the photos below (Figure 2-4), replace the two A/C lines highlighted in red in Figure 5 with part numbers PAD816740A and PAD816743. Submit a Parts Support PRMS ticket to order these replacement parts.



Figure 2

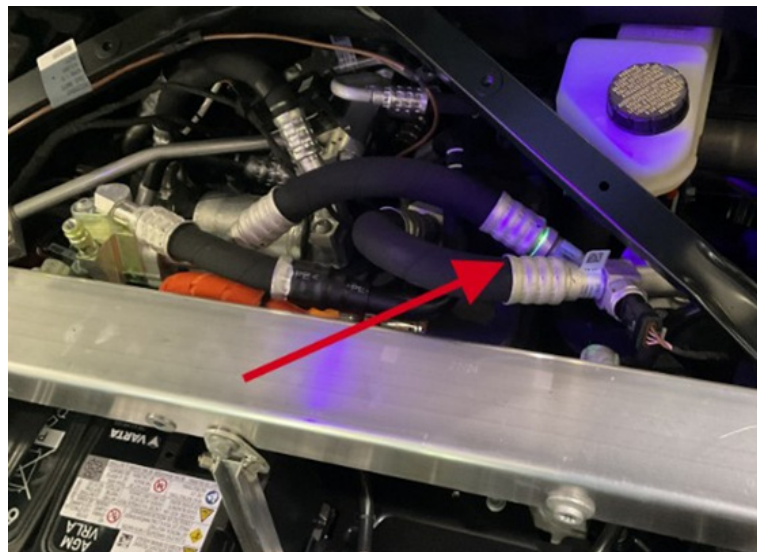


Figure 3



Figure 4

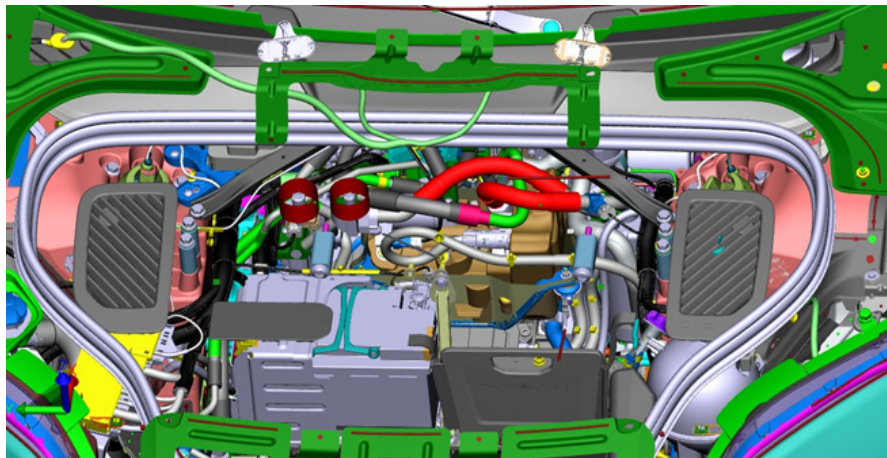


Figure 5

If leaks are not detected in the system at these points, continue leak testing the rest of the refrigerant system for microleaks.

Search Items

Macan Electric, Air conditioning, A/C, refrigerant, refrigerant line, leak, compressor, freon

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