



STAR ONLINE PUBLICATION



Case Number: S2607000004

Release Date: May 2026

Symptom/Vehicle Issue: P0480-COOLING FAN 1 CONTROL CIRCUIT (VARIABLE SPEED FAN)

Models Affected: 2024-2026 Chrysler Pacifica (RU)

Customer Complaint/Technician Observation: P0480-COOLING FAN 1 CONTROL CIRCUIT (VARIABLE SPEED FAN). Customer complaint of check engine light (CEL), cooling fan inoperability, vehicle overheating and intermittent A/C functionality.

Symptom/Vehicle Issue: Water intrusion into the cooling fan motor and radiator fan connectors caused corrosion, short circuits, open circuits, and/or damaged connectors.

Contributing factors included failed weather seals, water leakage from integral harnesses, and corrosion extending into wiring, resulting in increased resistance, shorts, and fan control circuit open conditions.

Connector/Connection Examples Causing Faults



This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found

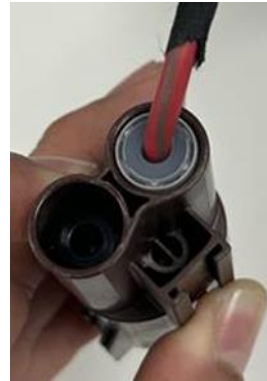


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Discussion: Inspect connectors the following connectors:

XY109A



D6632A



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- Closely inspect circuits A13, K173 and Z905
- Inspect for:
 - o Proper seating
 - o Pin terminal fitment
 - o Water intrusion
 - o Terminal or wire corrosion
 - o Check for missing seals or cavity plugs on both sides of the connector.
- If any damage or contamination is found please submit a DID-I with photos.

Verification: After completing connector inspection, cleaning, repair, or replacement as required, clear all DTCs and perform the following validation steps:

- Start the vehicle and allow it to reach normal operating temperature; confirm cooling fan engagement and stable engine temperature without overheating condition.
- After test drive, recheck for pending or stored DTCs.

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