



U062D

Lost Communication With A/C Refrigerant Distribution Valve Actuator D

U062D is a generic network communication code indicating that a control module has lost the CAN (Controller Area Network) data stream from the A/C refrigerant distribution valve actuator D. The computer detected that the expected periodic messages from this actuator stopped arriving within the required time window, which prevents the climate system from commanding the valve to the correct position.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Intermediate	Network communication

Symptoms you may notice

- The climate control system may blow warm air or fail to change temperature on one or more zones
- The A/C compressor may not engage or may cycle rapidly because the system cannot confirm valve position
- A warning light or climate system fault message appears on the dashboard
- The HVAC control panel may show erratic or default settings, such as a fixed temperature or blower speed
- Often no symptoms besides the warning light, especially if the valve is stuck in a position that still allows some cooling

Common causes, most likely first

- 1 A failed A/C refrigerant distribution valve actuator D, typically an internal electrical or electronic failure
- 2 Damaged, corroded, or disconnected wiring or connector at the actuator or along the harness
- 3 A blown fuse or poor ground connection shared by the actuator circuit
- 4 CAN bus communication fault, such as a shorted or open data line between the actuator and the module
- 5 A faulty control module that is not sending or receiving messages correctly on the network
- 6 Low system voltage or a weak battery causing intermittent communication dropouts



How to diagnose and fix it

- 1 Use a scan tool to read all stored codes and confirm U062D is current, then check for related communication codes in other modules
- 2 Inspect the actuator connector and harness for corrosion, loose pins, or chafed wires, and repair as needed
- 3 Check the fuse and ground for the actuator circuit with a multimeter, and restore power or ground if faulty
- 4 Measure CAN bus voltage and resistance at the actuator connector to rule out a network wiring fault
- 5 Substitute a known-good actuator of the same part type, if accessible, to see if communication returns
- 6 If wiring and power are good, perform a module reset or relearn procedure for the actuator and clear the code
- 7 Replace the A/C refrigerant distribution valve actuator D if it fails to communicate after all electrical checks pass

Communication codes often mislead on climate valves

- A U062D code does not automatically mean the actuator is dead; a single corroded pin in the connector can interrupt the CAN message and set the same code.
Some vehicles will set U062D when the battery is disconnected or replaced, and the code may clear after a few drive cycles without any repair.
 - The actuator D may share a communication line with other climate actuators, so a fault in one can cause multiple U-codes that point to different components.
 - After replacing the actuator, many systems require a calibration or learn procedure; skipping it can leave the new part non-communicative and the code returning.
- Intermittent U062D often traces to a harness rubbed through near a sharp body seam or a connector exposed to condensation from the HVAC case.

Can I keep driving with U062D?

You can usually drive the vehicle safely because the fault affects climate control rather than engine or brake operation, but avoid long trips in extreme temperatures where A/C or defrost performance is critical. Have the fault diagnosed soon to prevent further communication issues or unnecessary actuator replacement.

Tools that help

- OBD-II scan tool with CAN bus capability
- Digital multimeter
- Wiring diagram for the climate control system
- Trim removal tools for accessing the actuator
- Test light or power probe



Reading U062D

- U** Network: communication between the vehicle's control modules.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 6** Network communication.
- 2D** The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U062C** Lost Communication With A/C Refrigerant Distribution Valve A · **U062E** Lost Communication With A/C Refrigerant Expansion Valve Actuator

See it working

Watch the animated explainer [Four-Stroke Engine Cutaway: Intake to Exhaust](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u062d/>

