

GENERIC · NETWORK

U065C

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U065C

Lost Communication With Right Front Mode Actuator

U065C is a generic network communication code indicating that a control module on the vehicle's Controller Area Network (CAN) bus has lost contact with the right front mode actuator, which is typically a motor that controls air distribution or blend door position in the climate control system. The module that sets this code has detected that expected messages from the actuator are missing for a calibrated period, often due to an open circuit, short, or failed actuator.

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

Symptoms you may notice

- The climate control system may default to a fixed air outlet position, often defrost or floor, regardless of the setting.
- The right front mode actuator may not respond to changes in the mode selector, leaving air stuck at one vent.
- A warning light may illuminate on the dashboard, often the climate control or general fault indicator.
- In some vehicles, the HVAC control panel may flash or show an error message.
- Often no symptoms besides the warning light, especially if the actuator is not critical to basic operation.
- Other unrelated electrical functions may act erratically if the communication fault affects the entire bus.

Common causes, most likely first

- Failed right front mode actuator motor or its internal position sensor.
- Damaged or disconnected wiring harness at the actuator connector.
- Corroded or loose electrical terminals at the actuator or control module.
- Open circuit or short to ground/power in the communication bus wiring between the actuator and the module.
- Faulty body control module (BCM) or HVAC control module that is not sending or receiving messages properly.
- Water intrusion or physical damage to the actuator or its connector.
- Aftermarket accessories or improper previous repairs that disturbed the wiring.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for other communication codes that may indicate a broader bus issue.
- 2 Inspect the right front mode actuator connector and wiring for corrosion, damage, or loose pins.
- 3 Measure resistance and voltage on the communication bus lines at the actuator connector to check for opens or shorts.
- 4 Test the actuator with a bidirectional scan tool to command movement and observe if it responds.
- 5 Check power and ground supplies to the actuator and the control module.
- 6 If wiring and power are good, replace the right front mode actuator and clear the code.
- 7 If the code persists after actuator replacement, diagnose the control module or bus wiring further.

Common Missteps With U065C Diagnosis

- A failed mode actuator often does not set a communication code until the module times out waiting for a response, so the actuator may still make noise or move slightly before failing completely.
The right front mode actuator shares the bus with other modules, so a single shorted actuator can disrupt communication for multiple systems, leading to misleading codes.
- Many technicians replace the actuator without checking the connector, but corrosion at the pins is a frequent cause of lost communication on older vehicles.
- This code can be set by a low battery or voltage spike that temporarily interrupts bus communication, so always check battery health and clear the code to see if it returns.
On some vehicles, the mode actuator is part of a stepper motor assembly that requires calibration after replacement, and skipping this step can cause the code to reset.

Can I keep driving with U065C?

The vehicle is generally safe to drive because the fault affects only the climate control air distribution, but avoid long trips in extreme weather if the defrost function is compromised. Have the issue diagnosed soon to prevent discomfort and potential further electrical problems.

Tools that help

- OBD-II scan tool with bidirectional control capability
- Digital multimeter
- Wiring diagram for the specific vehicle
- Trim removal tools
- Socket set



Reading U065C

- 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.
- 5C** The exact fault within that area.

Often seen with

U0140 Lost Communication With Instrument Panel Cluster · **U0164** Lost Communication With HVAC Control Module · **U065B** Lost Communication With Left Front Mode Actuator · **U065D** Lost Communication With Air Intake Actuator

See it working

Watch the animated explainer [How a Turbocharger Works, Step by Step](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u065c/>

