



U0564

Invalid Data Received From Speech Recognition Module

U0564 is a generic communication fault indicating that a control module received invalid or corrupted data from the speech recognition module over the vehicle's data bus. The computer detected a message from the speech recognition module that failed its internal validity check, such as a checksum error, out-of-range value, or missing expected data, so it flagged the signal as untrustworthy.

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

Symptoms you may notice

- Voice command features stop working or respond incorrectly
- The infotainment system may freeze, reboot, or show a communication error
- A warning light or message appears on the dashboard, often the check engine light or a dedicated infotainment warning
- Often no symptoms besides the warning light, especially if the speech recognition module is not frequently used
- Bluetooth phone pairing or media streaming may be disrupted if those functions share the same module
- Intermittent operation of steering wheel voice buttons or other voice-activated controls

Common causes, most likely first

- 1 Faulty or failing speech recognition module
- 2 Corroded, loose, or damaged wiring and connectors in the speech recognition module circuit
- 3 Low battery voltage or a weak charging system causing modules to send corrupted data
- 4 Software glitch or outdated firmware in the speech recognition module or the receiving module
- 5 CAN bus communication errors due to a shorted or open data line
- 6 Aftermarket accessories or improper installations interfering with the data bus
- 7 Water intrusion or physical damage to the speech recognition module or its connectors



How to diagnose and fix it

- 1 Verify battery voltage and charging system performance; a weak battery can cause spurious communication codes
- 2 Inspect the speech recognition module connectors and wiring for corrosion, looseness, or damage
- 3 Check for technical service bulletins (TSBs) or software updates for the speech recognition module and infotainment system
- 4 Clear the code and test-drive the vehicle to see if it returns; intermittent faults may be caused by a temporary glitch
- 5 Use a scan tool to perform a module self-test and check for other communication codes that might indicate a bus fault
- 6 If the code persists, substitute a known-good speech recognition module or perform a module reprogramming as directed by the manufacturer
- 7 Consult a factory service manual for specific diagnostic procedures and wiring diagrams for the speech recognition module circuit

What most technicians overlook with U0564

- A weak battery or poor ground connection often causes modules to send invalid data, setting U0564 without any actual module failure.
- The speech recognition module may be integrated into the infotainment head unit on some vehicles, so the fault could be in the head unit itself rather than a separate module.
- U0564 can be set by a temporary software glitch that clears after a battery disconnect or module reset, so do not replace parts before attempting a reset.
- Aftermarket audio or electronic accessories tapped into the CAN bus can corrupt data and trigger this code, so check for recent installations.
- The code may be stored in a module other than the one that actually has the fault, so always check all modules for related communication codes.

Can I keep driving with U0564?

The vehicle remains safe to drive because the fault only affects voice command and infotainment features, not critical systems. You can continue driving, but avoid relying on voice controls and address the issue when convenient to prevent potential battery drain or further communication problems.

Tools that help

- OBD-II scan tool with module communication capabilities
- Digital multimeter for voltage and continuity checks
- Factory service manual or wiring diagrams
- Battery tester and charging system tester
- Trim removal tools for accessing modules and connectors



Reading U0564

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

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0563** Invalid Data Received From Audio Amplifier B · **U0565** Invalid Data Received From Camera Module - Rear

See it working

Watch the animated explainer [Disc Brake Trainer: How Car Brakes Stop a Wheel](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0564/>

