

GENERIC · NETWORK

U05B8

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U05B8

Invalid Data Received From Rear Radar Module B

The U05B8 code indicates that a control module, typically the driver assistance or gateway module, has received invalid or missing data from the rear radar module B over the vehicle's communication network. The computer detected that the expected sensor messages were either absent, corrupted, or outside the acceptable data range, so it flagged the rear radar module as the source of the invalid data.

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

Symptoms you may notice

- Rear cross-traffic alert or blind spot monitoring warning light illuminated on the dashboard
- Driver assistance features such as lane change assist or rear collision warning become disabled
- A message on the driver information center stating that rear radar or sensor is unavailable
- Often no symptoms besides the warning light, with the vehicle driving normally
- Intermittent operation of rear radar-based features, especially in wet or cold weather
- Parking assist or rear automatic braking may stop functioning if the vehicle uses the same radar module

Common causes, most likely first

- 1 Corroded, loose, or damaged electrical connector at the rear radar module B
- 2 Wiring harness damage between the rear radar module and the network gateway or control module
- 3 Failed rear radar module B due to internal fault or water intrusion
- 4 Low voltage or poor ground at the rear radar module, often from a weak battery or corroded ground point
- 5 Software incompatibility or missing calibration in the rear radar module after a replacement or update
- 6 Communication network fault, such as a shorted CAN bus or faulty termination resistor, affecting data from the rear radar module
- 7 Physical obstruction or misalignment of the rear radar sensor causing it to send invalid data



How to diagnose and fix it

- 1 Inspect the rear radar module B connector and wiring for corrosion, moisture, or loose pins, and clean or repair as needed
- 2 Check battery voltage and ground connections at the rear radar module to ensure stable power supply
- 3 Use a scan tool to read live data and confirm whether the rear radar module is communicating and sending plausible values
- 4 Perform a network communication test to rule out a faulty CAN bus or gateway module affecting data from the rear radar module
- 5 If communication is present but data is invalid, check for software updates or recalibration procedures for the rear radar module
- 6 Replace the rear radar module B if internal failure is confirmed, then perform calibration and clear the code
- 7 Verify the repair by test-driving the vehicle and confirming that the U05B8 code does not return and that rear radar features operate correctly

What the rear radar data really means

- A U05B8 code often appears after a low battery or jump-start event, because voltage dips can cause the rear radar module to send corrupted data that the network logs as invalid.
- Many technicians replace the rear radar module only to find the real problem is a chafed wire in the rear bumper harness, so always perform a wiggle test on the harness while watching live data.
- The code does not always mean the radar module is faulty; a faulty gateway module or a software glitch in another module can also cause it to report invalid data from the rear radar.
- After replacing or disconnecting the rear radar module, a calibration drive is usually required, and skipping it can set U05B8 again even with a perfectly good module.
- Rear radar module B is often shared with rear cross-traffic alert and blind spot monitoring, so a failure can disable multiple safety systems without any obvious driving symptom.

Can I keep driving with U05B8?

You can usually continue driving because the vehicle remains controllable, but rear cross-traffic alert and blind spot monitoring will be disabled, so rely on your mirrors and turn your head when reversing or changing lanes. Avoid towing or heavy loads that might obscure the rear sensors, and have the fault diagnosed soon to restore full driver assistance functionality.

Tools that help

- OBD-II scan tool with live data and network communication capabilities
- Digital multimeter for voltage and continuity checks
- Wiring diagram and connector pinout for the rear radar module circuit
- Trim removal tools to access the rear radar module and harness
- Calibration software or scan tool capable of performing radar alignment



Reading U05B8

- 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.
- B8** The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0122** Lost Communication With Vehicle Dynamics Control Module · **U0140** Lost Communication With Instrument Panel Cluster · **U05B7** Invalid Data Received From Rear Radar Module A · **U05B9** Invalid Data Received From Rear Radar Module C

See it working

Watch the animated explainer [How a Boxer Engine Works: Flat Engine Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u05b8/>

