



U0566

Invalid Data Received From Image Processing Sensor A

U0566 is a network communication code indicating that a control module received invalid or corrupted data from Image Processing Sensor A, which is typically a forward-facing camera used for driver-assist features. The module detecting the fault has determined that the sensor's data messages are missing expected parameters or contain values outside the acceptable range, so it cannot trust the information for its calculations.

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

Symptoms you may notice

- A warning light or message on the dashboard for the driver-assist or camera system
- Forward collision warning, lane departure warning, or automatic emergency braking may be disabled
- Adaptive cruise control may not engage or may drop out unexpectedly
- The infotainment screen may show a camera or sensor error message
- Often no symptoms besides the warning light, with the vehicle driving normally

Common causes, most likely first

- 1 A software glitch or corrupted calibration in the image processing sensor or the receiving module
- 2 Damaged, chafed, or corroded wiring in the camera's power, ground, or controller area network (CAN) bus circuit
- 3 A failing image processing sensor caused by internal electronic faults or environmental damage such as water intrusion
- 4 Loose or contaminated electrical connectors at the sensor or the module it communicates with
- 5 A weak or failing battery or charging system causing low voltage that disrupts module communication
- 6 Aftermarket accessories or improper electrical repairs that introduce noise onto the CAN bus



How to diagnose and fix it

- 1 Connect a scan tool and record all stored codes in every module, then clear codes and test-drive to see if U0566 returns immediately or intermittently
- 2 Inspect the image processing sensor and its connectors for physical damage, water intrusion, corrosion, or loose pins, and clean or reseat as needed
- 3 Check battery voltage and charging system output to rule out low-voltage communication faults
- 4 Perform a wiggle test on the sensor's wiring harness while monitoring live data for the sensor signal to identify intermittent opens or shorts
- 5 Verify the sensor's software is up to date and perform any available calibration or relearn procedure according to the manufacturer's instructions
- 6 If wiring and power are confirmed good, substitute a known-good image processing sensor and recheck for the code
- 7 After repair, clear codes and complete a thorough test drive to confirm the system operates correctly and the code does not reset

Camera Data Faults Often Misdiagnosed

- A common mistake is replacing the image processing sensor immediately, when the real problem is often a chafed wire in the harness near the windshield or a corroded connector that disrupts CAN bus messages.
- U0566 can be set by a low battery or a failing alternator because modules may boot up with insufficient voltage and flag invalid data from the camera before the system stabilizes.
- After any windshield replacement or camera bracket work, the image processing sensor must be recalibrated; skipping this step frequently triggers U0566 and other camera-related codes.
- The code does not always mean the sensor is defective; it can be logged by the receiving module if its own software has a bug or if another module on the network is corrupting data frames.
- Some vehicles require a specific drive cycle or a static calibration target procedure before the camera will report valid data, so a code that appears after battery service may simply need a relearn.

Can I keep driving with U0566?

The vehicle remains safe to drive because the fault affects driver-assist features rather than core engine or braking functions, but you should not rely on automated safety systems until the code is repaired. Avoid long trips if the warning disables forward collision alert or automatic emergency braking, and have the system inspected promptly.



Tools that help

- OBD-II scan tool with module-level access and live data capability
- Digital multimeter for voltage, resistance, and continuity checks
- Wiring diagram and connector pinout for the image processing sensor circuit
- Calibration targets and procedure for the camera system
- Battery load tester and charging system analyzer

Reading U0566

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.
66	The exact fault within that area.

Often seen with

U0401 Invalid Data Received From ECM/PCM · **U0415** Invalid Data Received From Anti-Lock Brake System Control Mo · **U0565** Invalid Data Received From Camera Module - Rear · **U0567** Invalid Data Received From Image Processing Sensor B · **U3000** Control Module

See it working

Watch the animated explainer [How Regenerative Braking Works in Electric Cars](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0566/>

