

GENERIC · NETWORK

U0580

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0580

Invalid Data Received From Haptic Control Module

U0580 indicates that a control module on the vehicle's network received data from the haptic control module that it judged invalid, typically because the signal was missing, out of range, or failed a checksum. The haptic control module manages feedback systems such as steering wheel or seat vibration alerts, and the receiving module sets this code when the data stream does not meet expected criteria.

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

Symptoms you may notice

- Often no symptoms besides the warning light, especially if the haptic system is not in active use.
- Loss of haptic feedback in the steering wheel, seat, or pedals, such as lane-departure or blind-spot vibration alerts.
- A message on the driver information display indicating a driver assistance system fault or reduced functionality.
- Intermittent operation of haptic warnings, sometimes working and sometimes not, depending on network conditions.
- Multiple unrelated warning lights if the haptic module shares a communication bus that is disrupted.
- The vehicle may disable certain advanced driver assistance features as a fail-safe response.

Common causes, most likely first

- 1 A faulty or failing haptic control module that is unable to transmit valid data.
- 2 Damaged or corroded wiring or connectors in the haptic module's power, ground, or network circuits.
- 3 Low voltage or a weak battery causing the haptic module to reset or output invalid data.
- 4 A software or calibration issue in the haptic module or the receiving module.
- 5 Network communication faults, such as a shorted or open data bus, that corrupt the haptic module's messages.
- 6 Aftermarket accessories or improper repairs that interfere with the vehicle's communication network.



How to diagnose and fix it

- 1 Verify battery voltage and charging system performance, as low voltage is a common cause of invalid data codes.
- 2 Inspect the haptic control module's connectors and wiring for corrosion, damage, or loose pins.
- 3 Use a scan tool to check for other communication codes and to view live data from the haptic module if available.
- 4 Perform a network integrity test to rule out bus faults that could corrupt the haptic module's messages.
- 5 Check for technical service bulletins or software updates for the haptic module or receiving module.
- 6 If wiring and power are good, substitute a known-good haptic module to confirm the fault.
- 7 After repair, clear the code and verify that it does not return during a test drive with haptic features activated.

What Most Technicians Overlook on U0580

- A weak battery or poor ground connection can cause the haptic module to send invalid data without setting a low-voltage code, so always load-test the battery first.
The haptic control module is often part of a network that includes other modules, and a fault in a different module can corrupt the data bus and trigger U0580.
- Aftermarket electronic accessories, such as dash cams or phone chargers, can introduce electrical noise that interferes with the haptic module's communication.
- The code may be stored in a module other than the haptic module itself, so scanning all modules is essential to locate the source of the invalid data.
A software update or recalibration of the haptic module can resolve the issue without any hardware replacement, so check for updates before condemning parts.

Can I keep driving with U0580?

The vehicle is generally safe to drive because the haptic system is a convenience and safety aid, not a primary control system. However, avoid relying on haptic warnings for lane departure or collision alerts until the fault is repaired, and address the code promptly to maintain full driver assistance functionality.

Tools that help

- OBD-II scan tool with module scanning capability
- Digital multimeter
- Battery load tester
- Wiring diagram and connector pinout for the haptic module
- Socket set and trim removal tools for accessing the module



Reading U0580

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

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster

See it working

Watch the animated explainer [How a MAF Sensor Works: Hot-Wire Airflow Explained](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0580/>

