

GENERIC · NETWORK

U01A9

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U01A9

Lost Communication With Hybrid/EV Battery Interface Control Module J

U01A9 is a generic network communication code indicating that a control module on the vehicle's CAN (Controller Area Network) bus has lost contact with the Hybrid/EV Battery Interface Control Module J. The module that set the code expected regular status messages from the battery interface module but stopped receiving them for a calibrated period, so it flagged the missing node.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	High	Professional	Lost communication with a control module

Symptoms you may notice

- Illumination of the hybrid system warning light or service vehicle soon message
- The vehicle may refuse to enter Ready mode or may shut down shortly after start
- Reduced or disabled hybrid/EV propulsion, with the engine possibly running continuously on a hybrid
- Inoperative battery state-of-charge or power-flow displays on the dash
- Often no symptoms besides the warning light if the fault is intermittent
- Multiple unrelated warning lights or module communication codes stored in other systems

Common causes, most likely first

- 1 Damaged, corroded, or loose wiring or connector pins in the CAN bus circuit to the battery interface module
- 2 Failed Hybrid/EV Battery Interface Control Module J itself, often due to internal power or ground failure
- 3 Blown fuse or poor ground supplying the battery interface module
- 4 Open or shorted CAN bus wiring between the battery interface module and the module that set the code
- 5 Low 12-volt battery voltage or poor charging system performance causing modules to drop offline
- 6 Water intrusion or heat damage affecting the module or its harness in the battery pack area
- 7 Aftermarket accessories or improper prior repairs disturbing the network wiring



How to diagnose and fix it

- 1 Verify battery voltage and charging system output, then clear the code and test-drive to confirm whether the fault is current or history
- 2 Inspect the battery interface module connectors and harness for corrosion, pushed pins, chafing, and loose terminals
- 3 Check the fuse and ground circuits that supply the battery interface module
- 4 Measure CAN bus resistance and voltage at the module connector to identify an open, short, or excessive loading on the network
- 5 Perform a wiggle test on the harness while watching live network data to expose an intermittent connection
- 6 If wiring and power are confirmed good, substitute a known-good module or perform a module communication self-test before condemning the part
- 7 After repair, clear codes and verify that all modules on the network communicate reliably through a complete drive cycle

What a missing battery module really means

- A U01A9 is almost never fixed by replacing the battery interface module first; most instances trace to a poor connection or voltage supply issue that a careful harness inspection reveals.
- The code can be set by a completely different module on the network losing power momentarily, so always check for low voltage or a weak 12-volt battery before chasing the battery module itself.
- Intermittent U01A9 codes often appear only under specific conditions such as cold starts or rough roads, and a simple static scan may show nothing until the harness is flexed.
- Some vehicles will set this code after a battery replacement or module reprogramming if the network configuration was not completed correctly, so verify recent service history.
- The module that reports U01A9 is not necessarily the module at fault; the code identifies the missing node, not the module that lost communication with it.

Can I keep driving with U01A9?

Do not continue driving if the hybrid system warning is active or the vehicle will not enter Ready mode, because propulsion may be disabled without warning. If the light is on but the vehicle drives normally, limit driving to a short trip to a repair shop and avoid high-voltage system work yourself.

Tools that help

- OBD-II scan tool with live network and module communication capability
- Digital multimeter with CAN bus measurement functions
- Wiring diagram and connector pinout for the specific vehicle
- Fuse puller and test light
- Insulated hand tools and terminal pick set



Reading U01A9

- U** Network: communication between the vehicle's control modules.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 1** Lost communication with a control module.
- A9** The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U01A8** Lost Communication With Hybrid/EV Battery Interface Control · **U01AA** Lost Communication With Hybrid/EV Battery Interface Control · **U0293** Lost Communication with Hybrid Vehicle Control System

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/u01a9/>

