

GENERIC · NETWORK

U3028

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U3028

Control Module A Disable Feedback Circuit

U3028 is a generic network communication code indicating that a control module (Module A) has reported a problem with its disable feedback circuit, which is the circuit that confirms whether a component or function has been successfully disabled. The computer detects a mismatch between the commanded disable state and the feedback signal, meaning the module cannot verify that the disable command was carried out.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Network wiring and bus faults

Symptoms you may notice

- Illumination of the malfunction indicator lamp (MIL) or a specific warning light for the affected system
- Often no symptoms besides the warning light, especially if the disabled function is not critical to vehicle operation
- Intermittent or permanent loss of function for the system controlled by Module A, such as cruise control or stability assist
- A message on the driver information center indicating a system is unavailable or requires service
- Possible reduced engine power or limp-home mode if the disabled circuit affects a safety-related function
- Other unrelated warning lights may appear if the module communicates on a shared network

Common causes, most likely first

- 1 Faulty or sticking disable feedback switch or sensor within the affected component
- 2 Damaged wiring, corroded connector pins, or open/short in the feedback circuit between the module and the component
- 3 Failed control module (Module A) internal driver or feedback detection circuit
- 4 Poor ground connection for the module or the component being disabled
- 5 Aftermarket accessories or improper previous repairs tapping into the feedback circuit
- 6 Software or calibration issue in the module requiring reprogramming
- 7 Low battery voltage or charging system fault causing erratic module behavior



How to diagnose and fix it

- 1 Verify battery voltage and charging system output; low voltage can cause false feedback codes
- 2 Inspect the feedback circuit wiring and connectors for damage, corrosion, or loose pins
- 3 Check the disable feedback switch or sensor for proper operation using a multimeter or scan tool bidirectional controls
- 4 Perform a wiggle test on the harness while monitoring the feedback parameter to reveal intermittent faults
- 5 Check and clean module and component ground connections
- 6 Reprogram or update the control module software if a known calibration issue exists
- 7 Replace the faulty component or control module only after all circuit and power tests pass

Feedback circuit faults that mimic module failure

- A sticking or misadjusted disable feedback switch is a common cause that is often overlooked because the switch may test fine when manually operated but fail under vibration or temperature changes.
- The code does not always mean the control module is defective; a simple chafed wire in the feedback circuit can set the same code and is far cheaper to fix.
- Aftermarket remote starters or alarm systems that tap into disable circuits frequently cause U3028 by introducing extra resistance or backfeeding voltage.
- On some vehicles, a weak battery or poor ground can cause the module to misread the feedback signal, leading to a false U3028 without any actual circuit fault.
- A scan tool bidirectional test that commands the disable function on and off while watching the feedback parameter is the fastest way to confirm whether the fault is in the module, the circuit, or the component.

Can I keep driving with U3028?

The vehicle is generally safe to drive if the only symptom is a warning light and the affected system is not safety-critical, but avoid using the disabled function and do not tow or drive aggressively if stability or braking assist is affected. Have the fault diagnosed soon to prevent a more serious failure or unexpected loss of vehicle systems.

Tools that help

- OBD-II scan tool with bidirectional control and live data capability
- Digital multimeter (DMM)
- Wiring diagram for the affected circuit
- Test light or logic probe
- Breakout box or backprobe pins
- Battery load tester and charging system tester



Reading U3028

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

Often seen with

U3000 Control Module · **U3001** Control Module Improper Shutdown Performance · **U3002** Vehicle Identification Number · **U3003** Battery Voltage · **U3004** Accessory Power Relay

See it working

Watch the animated explainer [How a Catalytic Converter Works: 3D Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u3028/>

