

GENERIC · NETWORK

U0315

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0315

Software Incompatibility with Anti-Lock Brake System Control Module

U0315 is a network communication code indicating that one or more control modules have detected a software incompatibility with the Anti-Lock Brake System (ABS) control module. The computer is not reporting a hydraulic or wheel-speed fault; it is flagging that the software version, calibration, or configuration data in the ABS module does not match what other modules on the vehicle network expect.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Software and configuration mismatches

Symptoms you may notice

- Anti-lock Brake System (ABS) warning light illuminated on the dashboard
- Traction control or stability control warning light also on, since these systems share the ABS module
- Multiple other warning lights (such as check engine, transmission, or airbag) due to network-wide communication concerns
- Reduced or disabled ABS and traction control function, though base braking usually remains
- Often no symptoms besides the warning light, with the vehicle driving normally
- Intermittent warning lights that appear after battery disconnect, module replacement, or software update

Common causes, most likely first

- 1 Incorrect or outdated software calibration installed in the ABS control module
- 2 Replacement ABS module not programmed or configured to match the vehicle's software
- 3 Corrupted configuration data in another module that communicates with the ABS module
- 4 Failed or interrupted software update or reprogramming event
- 5 Low battery voltage or poor ground causing module configuration memory corruption
- 6 Aftermarket or mismatched ABS module installed from a different vehicle or software level
- 7 Network communication fault (wiring or connector issue) that prevents proper software handshake



How to diagnose and fix it

- 1 Verify battery voltage and condition, and check all grounds and ABS module connectors for corrosion or looseness
- 2 Scan all modules for stored codes and record freeze-frame data to see which modules report the incompatibility
- 3 Check for technical service bulletins (TSBs) or software updates specific to the vehicle's ABS module calibration
- 4 Reprogram or flash the ABS control module with the latest manufacturer-approved software using a factory scan tool
- 5 Perform module configuration or setup procedure after reprogramming, following the manufacturer's scan tool instructions
- 6 If reprogramming fails or is unavailable, replace the ABS module with a correctly programmed unit and complete configuration
- 7 Clear all codes and perform a road test to confirm the ABS, traction, and stability systems operate without warning lights

Software mismatch, not a broken ABS pump

- U0315 is frequently set after a battery replacement or module swap when the ABS module's software configuration does not match the rest of the network, even though the hardware is fine.
- Many technicians replace the ABS module unnecessarily; the code often resolves with a simple reprogramming or configuration reset using a factory-level scan tool.
- A weak battery or poor ground can corrupt module memory and trigger this code, so voltage and ground checks should always precede any module replacement.
- This code can be stored alongside communication codes like U0100 or U0121, which may point to a network issue rather than a software incompatibility alone.
- Aftermarket scan tools may not have the capability to reprogram or configure the ABS module, so a dealer-level tool or equivalent is often required.

Can I keep driving with U0315?

The vehicle is generally safe to drive because base braking remains functional, but avoid situations that require anti-lock braking or traction control, such as slippery roads or emergency stops. Have the fault diagnosed promptly, as the ABS and stability systems are disabled while the warning lights are on.



Tools that help

- Factory-level or advanced scan tool with reprogramming capability
- Digital multimeter for voltage and ground checks
- Battery tester and charging system tester
- Socket and wrench set for module connector access
- Vehicle-specific service information for programming procedures

Reading U0315

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

Often seen with

C0035 Left Front Wheel Speed Sensor Circuit Range/Performance · **U0100** Lost Communication With ECM/PCM A · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control · **U0140** Lost Communication With Instrument Panel Cluster · **U0316** Software Incompatibility with Vehicle Dynamics Control Modul

See it working

Watch the animated explainer [How ABS Works: Anti-Lock Brakes in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0315/>

