

GENERIC · NETWORK

U0327

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0327

Software Incompatibility with Vehicle Security Control Module

U0327 means the vehicle's main control module has detected a software incompatibility with the vehicle security control module over the controller area network (CAN) bus. The security module is present and communicating, but its software version, configuration data, or calibration does not match what the main module expects, so the two cannot work together reliably.

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

Symptoms you may notice

- The anti-theft warning light or security indicator stays on or flashes continuously
- The engine may crank but fail to start because the security module is not authorizing the start
- A message such as 'Service Security System' or 'Vehicle Not Recognized' appears on the dashboard
- Remote keyless entry or push-button start may stop working intermittently
- Other unrelated warning lights may illuminate because multiple modules share the same network
- Often no symptoms besides the warning light, with the vehicle starting and driving normally

Common causes, most likely first

- Security control module software is outdated or was flashed with an incorrect calibration during a previous repair
- A replacement security module was installed without programming or configuration to match the vehicle
- The main control module was replaced or reflashed and its software now expects a different security module version
- Corrupted configuration data in the security module caused by a low-voltage event or battery replacement
- Aftermarket remote start or alarm system wired into the CAN bus and interfering with security module messages
- A poor connection or chafed wiring at the security module connector causing intermittent communication
- A failing security control module that boots with corrupted software or an invalid internal checksum



How to diagnose and fix it

- 1 Connect a scan tool and read all modules for stored codes, then record the exact software part numbers and calibration IDs from the main and security modules
- 2 Check the battery voltage and charging system, then clear the code and recheck after a full drive cycle to see if it returns
- 3 Inspect the security module connector and CAN bus wiring for corrosion, loose pins, or aftermarket taps, and repair any faults found
- 4 Verify whether the security module or main module was recently replaced or reflashed, and confirm the installed software matches the vehicle's build data
- 5 Use the manufacturer's diagnostic software to perform a security module configuration or adaptation procedure if the module is correct but unconfigured
- 6 Reprogram or flash the security module with the latest correct calibration from the manufacturer
- 7 If programming fails or the module will not accept the correct software, replace the security control module and program it to the vehicle

Why security module software mismatches happen

- A common missed cause is a replacement security module from a donor vehicle that was never configured, so the hardware is fine but the software identity does not match the vehicle
- U0327 can be set by a weak or dying battery during a module flash, leaving the security module with incomplete or corrupted configuration data
- Aftermarket remote starters and alarm systems that splice into the CAN bus frequently cause this code by injecting messages the security module misinterprets
- The code does not always mean the security module is faulty; a main module reflash with a newer software level can create the incompatibility on its own
- Some vehicles set U0327 after a key programming procedure is interrupted, and simply completing the security learn procedure clears it

Can I keep driving with U0327?

The vehicle may start and drive normally, but because the security module is not synchronized, an unexpected no-start or anti-theft lockout can occur at any time. Avoid shutting the engine off in an unsafe location until the fault is diagnosed, and do not rely on remote start or keyless entry working consistently.

Tools that help

- OBD-II scan tool with manufacturer-level module programming capability
- Digital multimeter for battery and wiring checks
- CAN bus breakout box or oscilloscope for network diagnostics
- Manufacturer diagnostic software and pass-through device for flashing and configuration
- Trim removal tools for accessing the security module connector



Reading U0327

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

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0322** Software Incompatibility with Body Control Module · **U0323** Software Incompatibility with Instrument Panel Control Modul · **U0324** Software Incompatibility with HVAC Control Module

See it working

Watch the animated explainer [Inline-Four Engine X-Ray: Firing Order 1-3-4-2](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0327/>

