

GENERIC · CHASSIS

C0410

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0410

Adaptive Cruise Control Sensor Circuit Malfunction

C0410 indicates that the adaptive cruise control (ACC) module has detected a malfunction in the circuit of one of its sensors, typically the radar or lidar unit that measures distance to the vehicle ahead. The computer monitors voltage, current, or signal integrity and sets this code when the readings fall outside the expected range, disabling the ACC system as a result.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Chassis	Generic (all makes)	Medium	Professional	Brakes, steering and suspension

Symptoms you may notice

- The adaptive cruise control system is inoperative and cannot be engaged.
- A warning light or message appears on the dashboard, often stating 'ACC not available' or 'Cruise control malfunction'.
- The conventional cruise control may still work, but the distance-keeping function is disabled.
- In some cases, the vehicle may exhibit no other symptoms besides the warning light.
- If the faulty sensor is used for forward collision warning, that system may also be disabled.
- Intermittent operation of the ACC may occur if the circuit fault is temperature or vibration sensitive.

Common causes, most likely first

- Damaged or corroded wiring or connector at the ACC sensor, often due to road debris or moisture intrusion.
- Failed ACC sensor (radar or lidar unit) internal circuitry.
- Blown fuse or poor electrical connection supplying power to the ACC sensor.
- Faulty ACC control module or its software, though less common.
- Sensor misalignment or obstruction (e.g., mud, snow, or a bent bracket) that causes the module to detect an out-of-range signal.
- Water intrusion into the sensor housing or connector, leading to short circuits.
- Aftermarket accessories or improper previous repairs that disturbed the sensor circuit.



How to diagnose and fix it

- 1 Inspect the ACC sensor and its wiring for visible damage, corrosion, or loose connectors; clean and secure as needed.
- 2 Check the fuse and relay that supply power to the ACC sensor circuit.
- 3 Measure voltage and resistance on the sensor circuit to verify power, ground, and signal integrity.
- 4 Clear the code and test-drive the vehicle to see if it returns; if it does, proceed with pinpoint tests.
- 5 If the sensor is accessible, swap it with a known-good unit (if applicable) to confirm the fault.
- 6 Perform a calibration or relearn procedure on the ACC sensor after any repair or replacement.
- 7 If the fault persists, diagnose the ACC control module and consider replacement or reprogramming.

What the ACC sensor circuit code really means

- A common oversight is assuming the sensor itself has failed when the real problem is a chafed wire or corroded connector hidden behind the bumper.
- The ACC sensor often shares power or ground with other driver-assist systems, so a fault in one circuit can set multiple codes.
- After any front-end repair or bumper removal, the ACC sensor may need recalibration, and skipping this step can trigger C0410.
- Environmental factors like heavy rain, snow, or mud can temporarily block the sensor and set a circuit code, which may clear after cleaning.
- Some vehicles require a battery disconnect or module reset to clear the code after a repair, and simply clearing it with a scan tool may not be enough.

Can I keep driving with C0410?

The vehicle remains safe to drive because the adaptive cruise control is disabled, but you should not rely on the system until the fault is repaired. Avoid using cruise control features and be prepared to maintain manual control of speed and distance.

Tools that help

- OBD-II scan tool with ABS/ACC capabilities
- Digital multimeter
- Wiring diagram for the ACC circuit
- Socket set and trim removal tools
- Sensor calibration tool or scan tool with calibration function



Reading C0410

- C** Chassis: brakes, steering and suspension.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 4** Brakes, steering and suspension.
- 10** The exact fault within that area.

Often seen with

U0122 Lost Communication With Vehicle Dynamics Control Module

See it working

Watch the animated explainer [How Drive-by-Wire Works: Electronic Throttle Body](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c0410/>

