

GENERIC · BODY

B0200

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0200

Air Bag System Voltage Out of Range

B0200 means the air bag control module has detected a supply voltage outside its acceptable operating range, typically below about 9 volts or above about 16 volts. The module stores this code when the voltage feeding the supplemental restraint system (SRS) falls outside the window needed for reliable deployment logic, often during cranking or because of a charging system fault.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Body	Generic (all makes)	Medium	Intermediate	Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- Air bag warning light illuminated steadily on the instrument cluster
- Air bag light that comes on only during or right after engine cranking
- Other warning lights such as battery or ABS flickering at the same time
- Dimming interior lights or slow cranking when starting the engine
- Often no symptoms besides the warning light, with the vehicle driving normally

Common causes, most likely first

- Weak or failing battery that drops below the SRS minimum voltage during cranking
- Corroded, loose, or damaged battery terminals and ground straps
- Faulty alternator or voltage regulator producing low or excessive charging voltage
- Blown or corroded SRS fuse or poor connection in the air bag power feed circuit
- Chafed or shorted wiring between the battery, fuse box, and air bag control module
- Internal fault in the air bag control module's voltage sensing circuit
- Poor ground connection at the air bag module mounting point

How to diagnose and fix it

- Perform a battery load test and check static voltage; a healthy battery should rest near 12.6 volts
- Inspect and clean battery terminals, ground straps, and the engine-to-chassis grounds
- Measure charging voltage at idle and under load to confirm the alternator stays within roughly 13.5 to 14.8 volts
- Check the SRS fuse and inspect the power and ground circuits at the air bag control module connector
- Clear the code and monitor live voltage data during cranking to catch a momentary dip
- If voltage is correct at the module and the code returns, test or replace the air bag control module per manufacturer procedure

Voltage dips you cannot see on the dash

- A battery that starts the engine fine can still drop below the SRS threshold for a few milliseconds during cranking, which is enough to set B0200 without any other complaint.
- Technicians often replace the air bag module first, but a marginal ground strap or corroded terminal is a far more common root cause of this code.
- Charging system ripple or an overcharging alternator can push voltage above the SRS upper limit and set this code even though the battery light never comes on.
- This code does not necessarily mean the air bag will not deploy; it means the module logged an out-of-range supply condition, and the system may still function once voltage is corrected.
- Jump-starting or charging the battery with the key on can spike system voltage and set B0200 as a stored, non-current code that clears after a few clean drive cycles.

Can I keep driving with B0200?

The vehicle is generally safe to drive to a repair shop because the air bag system is designed to fail safe, but do not ignore the light. Avoid repeated jump-starts and have the battery and charging system checked promptly, since a voltage fault can disable air bag deployment in a collision.

Tools that help

- Digital multimeter
- Battery load tester
- OBD-II scan tool with live data
- Battery terminal cleaner and wire brush
- Fused jumper wire for circuit testing

Reading B0200

- B** Body: airbags, seats, doors, lights and comfort systems.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 2** Airbags, seats, doors, lights and comfort systems.
- 00** The exact fault within that area.

Often seen with

P0562 System Voltage Low · **P0563** System Voltage High · **U0151** Lost Communication With Restraints Control Module



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/b0200/>

