

GENERIC · CHASSIS

C0060

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

C0060

Right Rear Wheel Speed Sensor Circuit

C0060 indicates that the anti-lock brake system (ABS) control module has detected an abnormal condition in the right rear wheel speed sensor circuit, such as an open circuit, short to ground, or short to voltage. The module monitors the sensor's signal and sets this code when the expected voltage or signal pattern falls outside the programmed range.

SYSTEM Chassis	CODE TYPE Generic (all makes)	SEVERITY Medium	FIX DIFFICULTY Intermediate	AREA Brakes, steering and suspension
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Symptoms you may notice

- ABS warning light illuminated on the instrument cluster
- Traction control or stability control warning light may also be on
- Often no symptoms besides the warning light, with normal braking performance
- ABS may be disabled, leading to wheel lockup during hard braking
- Intermittent or erratic speedometer readings if the sensor signal is used for speed display
- Possible reduced power or limp mode in some vehicles if stability control is affected

Common causes, most likely first

- Damaged or corroded wiring or connector at the right rear wheel speed sensor
- Failed right rear wheel speed sensor
- Debris or metallic particles on the sensor tip or tone ring
- Damaged or missing teeth on the tone ring (reluctor wheel)
- Excessive air gap between the sensor and tone ring due to worn hub or bearing
- Faulty ABS control module (less common)
- Electrical interference or poor ground connection

How to diagnose and fix it

- Inspect the right rear wheel speed sensor and its wiring for visible damage, corrosion, or loose connectors
- Clean the sensor tip and tone ring of any debris or metallic buildup
- Check the tone ring for cracks, missing teeth, or excessive runout
- Measure the sensor's resistance and compare to manufacturer specifications (if applicable)
- Perform a voltage or signal test on the sensor circuit while rotating the wheel to verify output
- Check for continuity and shorts in the wiring harness between the sensor and ABS module
- Replace the faulty sensor or repair wiring as needed, then clear codes and verify the repair



Common Misdiagnosis Traps for C0060

- A dirty or debris-covered sensor tip is a frequent cause that can be fixed by cleaning rather than replacement.
- Worn wheel bearings or a loose hub can alter the air gap and trigger the code without any sensor fault.
- Aftermarket brake work or tire rotations can damage the sensor wiring if not careful, leading to this code.
- The ABS module itself is rarely the cause; always rule out sensor and wiring issues first.
- Intermittent codes may only appear during certain driving conditions, such as turning or hitting bumps, so a thorough road test with a scan tool is essential.

Can I keep driving with C0060?

The vehicle is generally safe to drive with the ABS light on, but the ABS system may be disabled, increasing stopping distance on slippery surfaces. Avoid hard braking and have the fault diagnosed promptly to restore full safety system function.

Tools that help

- OBD-II scan tool with ABS capability
- Digital multimeter
- Jack and jack stands
- Wheel chocks
- Basic hand tools (socket set, screwdrivers)
- Feeler gauge (for air gap measurement)

Reading C0060

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

Often seen with

C0035 Left Front Wheel Speed Sensor Circuit Range/Performance · **C0040** Left Rear Wheel Speed Sensor Circuit · **C0055** Left Rear Wheel Speed Sensor No Signal · **C0065** Right Rear Wheel Speed Sensor No Signal · **C0070** ABS Hydraulic Pump Motor Circuit Malfunction



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/c0060/>

