

GENERIC · CHASSIS

C062D

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

## C062D

### ABS Valves Range/Performance

C062D indicates that the anti-lock braking system (ABS) control module has detected a range or performance fault in one or more of the hydraulic valve circuits it commands. The module compares valve current, response time, or pressure modulation against expected values and sets this code when the valve does not behave within the allowed window during self-test or active braking.

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

### Symptoms you may notice

- ABS warning light illuminated on the dashboard
- Traction control or stability control warning light also on
- Often no symptoms besides the warning light during normal driving
- ABS may deactivate, leaving conventional braking only
- Pulsing or dragging felt through the brake pedal during hard stops
- Intermittent ABS operation or a brief pedal kick when the system self-tests

### Common causes, most likely first

- 1 Contaminated or degraded brake fluid causing valve sticking
- 2 Faulty ABS hydraulic valve body or solenoid coil
- 3 Damaged or corroded wiring and connectors at the ABS module or valve body
- 4 Low system voltage or a weak battery affecting valve actuation
- 5 Internal ABS control module fault or corrupted software
- 6 Air trapped in the hydraulic unit after recent brake service
- 7 Restricted brake lines or a failing master cylinder affecting valve performance

### How to diagnose and fix it

- 1 Scan all modules and record freeze-frame data to identify which valve circuit is flagged
- 2 Inspect ABS module connectors and valve body wiring for corrosion, chafing, or loose pins
- 3 Test battery voltage and charging system output to rule out low-voltage faults
- 4 Perform a brake fluid condition check and flush if contaminated or overdue
- 5 Command each ABS valve with a scan tool and compare current and response to specifications
- 6 Bleed the ABS hydraulic unit using the scan tool's automated bleed procedure
- 7 Replace the ABS valve body or control module only after electrical and hydraulic tests confirm the fault



## What the valve performance code really means

- A range/performance code often sets from a slow or sticky valve rather than a completely failed one, so the ABS may still work during some stops and feel normal to the driver.
- Low battery voltage during cranking is a commonly missed trigger because the ABS module may log a valve performance fault when supply voltage dips below its threshold.
- Old brake fluid that has absorbed moisture can cause internal valve corrosion and sticking, so a fluid flush is a legitimate first repair on high-mileage vehicles.
- After any hydraulic unit replacement or brake line opening, air trapped in the ABS valve body can mimic a failed valve until an automated bleed is performed.
- A wheel speed sensor or tone ring fault on the same corner can cause the module to command valves abnormally and set a valve performance code as a secondary effect.

## Can I keep driving with C062D?

The vehicle remains safe to drive with conventional brakes because the ABS system defaults to a fail-safe mode, but you should avoid hard braking or slippery conditions until the fault is repaired. Have the system diagnosed promptly, as a sticking valve can occasionally cause brake drag or uneven braking.

## Tools that help

- OBD-II scan tool with ABS bidirectional control capability
- Digital multimeter
- Brake fluid tester
- Battery load tester
- Automated brake bleeder or scan-tool bleed function
- Factory service information for valve circuit specifications

## Reading C062D

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| <b>C</b>  | Chassis: brakes, steering and suspension.                            |
| <b>0</b>  | Generic (SAE) code: it means the same thing on every OBD-II vehicle. |
| <b>6</b>  | Brakes, steering and suspension.                                     |
| <b>2D</b> | 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 · **C0050** Right Rear Wheel Speed Sensor Circuit Malfunction · **C0110** ABS Pump Motor Circuit Malfunction · **C0265** EBCM Relay Circuit



### See it working

Watch the animated explainer **Four-Stroke Engine Cutaway: Intake to Exhaust** on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/c062d/>

