

BMW · POWERTRAIN

P1363

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1363 · BMW

Misfire Cylinder 11 With Fuel Cut-off

P1363 on a BMW indicates that the engine control module has detected a misfire on cylinder 11 and has cut off fuel delivery to that cylinder to protect the catalytic converter from unburned fuel. The misfire is severe enough that the computer commands a fuel cut-off, which disables the cylinder until the fault is resolved.

SYSTEM

Powertrain

CODE TYPE

BMW specific

SEVERITY

High

FIX DIFFICULTY

Intermediate

AREA

Ignition system
and misfire

Symptoms you may notice

- Rough idle or shaking, especially noticeable when the engine is cold or under load
- Noticeable loss of power and reduced acceleration
- Check Engine Light illuminated, often flashing if the misfire is active
- Possible vibration or shudder during acceleration
- Often no symptoms besides the warning light if the misfire is intermittent or only occurs under specific conditions

Common causes, most likely first

- 1 Faulty ignition coil on cylinder 11
- 2 Worn or fouled spark plug on cylinder 11
- 3 Faulty fuel injector for cylinder 11 (clogged, leaking, or electrically failed)
- 4 Vacuum leak at the intake manifold near cylinder 11
- 5 Mechanical issue such as low compression, worn camshaft lobe, or valve problem on cylinder 11
- 6 Wiring or connector damage to the ignition coil or fuel injector for cylinder 11

How to diagnose and fix it

- 1 Perform a visual inspection of the ignition coil, spark plug, and injector connectors for cylinder 11, looking for damage or corrosion
- 2 Swap the ignition coil from cylinder 11 with a known good coil from another cylinder and see if the misfire moves
- 3 Remove and inspect the spark plug from cylinder 11; replace if fouled, worn, or damaged
- 4 Test the fuel injector for cylinder 11 with a noid light or multimeter to check for power and ground signals
- 5 Perform a compression test on cylinder 11 to rule out mechanical problems
- 6 Check for vacuum leaks around the intake manifold using a smoke machine or carburetor cleaner
- 7 If all else fails, perform a cylinder leak-down test and inspect the camshaft and valvetrain for wear



Cylinder 11 Misfire: Don't Overlook These

- On BMW V12 engines (like the M73), cylinder 11 is on the passenger side rear; a misfire here is often caused by oil leaking into the spark plug well from a failed valve cover gasket, which ruins the coil.
- A fuel cut-off code does not always mean the injector is bad; the computer cuts fuel to protect the catalytic converter, so the root cause could be ignition or mechanical.
- Swapping the coil and plug to another cylinder is the quickest way to see if the misfire follows the component or stays with cylinder 11.
- A vacuum leak at the intake manifold runner for cylinder 11 can cause a lean misfire that mimics a faulty injector, so always check for leaks before replacing parts.
- If the misfire persists after new coils and plugs, check the engine wiring harness for chafed wires near the cylinder 11 coil connector, a common issue on older BMWs.

Can I keep driving with P1363?

Avoid driving with an active misfire, especially at high speeds or under heavy load, as unburned fuel can overheat and damage the catalytic converter. If the check engine light is flashing, stop driving and have the vehicle towed to a repair shop.

Tools that help

- OBD-II scanner with BMW-specific software
- Digital multimeter
- Spark plug socket and wrench
- Compression tester
- Noid light
- Smoke machine (for vacuum leaks)

Reading P1363

P Powertrain: engine, transmission and emissions.

1 Manufacturer-specific code (BMW); its meaning depends on the make.

3 Ignition system and misfire.

63 The exact fault within that area.



Often seen with

P1362 Cylinder 3 Ignition Circuit Short To B+ · **P1362** TDC1 Sensor No Signal · **P1362** Ignition Coil C Secondary Circuit · **P1362** Ignition Coil Cylinder 2 No Activation · **P1362** TDC1 Sensor No Signal · **P1362** IC Cylinder 2 Not Toggling After Enable · **P1362** Ignition Coil C Secondary Circuit Malfunction · **P1362** IC Cylinder 2 Not Toggling After Enable · **P1362** Misfire During Start Cylinder 11 · **P0300** Random/Multiple Cylinder Misfire Detected · **P0301** Cylinder 1 Misfire Detected · **P0302** Cylinder 2 Misfire Detected · **P0303** Cylinder 3 Misfire Detected

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/bmw-p1363/>

