



[DTC information 4-5-X, 5-4-2, 5-4-3, 5-4-4, 5-4-5, 5-5-X](#)
[Misfiring in one cylinder](#)

DTC information 4-5-X, 5-4-2, 5-4-3, 5-4-4, 5-4-5, 5-5-X

Condition

DTC 4-5-X, 5-4-2, 5-4-3:

If the ECM registers more than approx. 1% misfiring during 1000 engine revolutions (2500 ignition sequences), the ECM will check if this misfiring comes from one specific cylinder or from different cylinders. If only one cylinder exceeds the limit, DTC 5-4-3 is set first, followed by one of DTCs 4-5-1, 4-5-2, 4-5-3, 4-5-4 or 4-5-5 depending on the relevant cylinder. If several cylinders exceed the limit, DTC 5-4-3 and 5-4-2 are set as well as a DTC for the relevant cylinder.

DTC 5-5-X, 5-4-4, 5-4-5:

If the ECM registers 6 - 50% misfiring, depending on engine speed and load, during 200 engine revolutions (500 ignition sequences), the control module checks if this misfiring comes from one specific cylinder or from different cylinders. If only one cylinder exceeds the limits, then one of DTCs 4-5-1, 4-5-2, 4-5-3, 4-5-4 or 4-5-5 and 5-4-3 is set, followed by DTC 5-4-5, then one of DTCs 5-5-1, 5-5-2, 5-5-3, 5-5-4 or 5-5-5 depending on the relevant cylinder. If several cylinders exceed the limit, then DTC 5-4-5 and 5-4-4 are set, as well as a DTC for the relevant cylinder.

Substitute value

DTC 4-5-X, 5-4-2, 5-4-3:

- Fuel trim with rear HO2S shut off.

DTC 5-5-X, 5-4-4, 5-4-5:

- Fuel trim shut off.

Possible source

- Defective spark plugs, ignition cables, distributor cap/rotor, ignition coil or flywheel/tooth wheel.
- Faulty spark plug.
- Blocked/leaking injector.
- Uneven compression.
- Leakage between cooling system and cylinder.
- Moisture, flashover in ignition system's high-tension section.
- Intermittent break, intermittent short circuiting to ground, intermittent short circuiting to voltage supply, contact resistance or loose connection in ignition system's low-tension section, in injector circuit or fuel pump circuit.
- Too much engine oil.
- Air leakage.
- Fuel pressure and residual pressure.

Fault sources not included in the fault tracing process, but which may still set a DTC:

- Fuel stoppage.
- Insufficient fuel level, resulting in fuel starvation.
- Water in the spark plug recesses.
- Incorrect fuel or dirty fuel.
- Repeated cold starts whereby the engine is never given sufficient time to reach normal operating temperature between each



start.

- Puncture in a front tyre.

Fault symptom[s]

- Engine does not start, or is difficult to start.
- Engine runs unevenly at idling speed, or jerks severely while driving.
- Poorer performance.
- Higher emissions.