

TOYOTA · POWERTRAIN

P1340

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1340 · Toyota

Igniter Circuit Malfunction No 8

P1340 on Toyota vehicles indicates that the engine control module (ECM) has detected a malfunction in the igniter circuit for cylinder number 8, which is part of the ignition coil with built-in igniter assembly. The ECM monitors the feedback signal from the igniter and sets this code when the expected confirmation pulse is missing or abnormal during engine operation.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Toyota specific	Medium	Intermediate	Ignition system and misfire

Symptoms you may notice

- Check Engine Light (CEL) illuminated on the dashboard
- Engine misfire or rough running, especially under load
- Noticeable loss of power or hesitation during acceleration
- Increased fuel consumption due to incomplete combustion
- In some cases, no drivability symptoms besides the warning light

Common causes, most likely first

- 1 Faulty ignition coil with built-in igniter for cylinder 8
- 2 Open or short circuit in the igniter circuit wiring (power, ground, or signal)
- 3 Corroded or loose electrical connector at the ignition coil or ECM
- 4 Failed spark plug or excessive spark plug gap causing coil stress
- 5 ECM internal fault affecting the igniter control signal
- 6 Aftermarket or incorrect ignition coil installed previously

How to diagnose and fix it

- 1 Perform a visual inspection of the ignition coil, connector, and wiring for cylinder 8
- 2 Swap the ignition coil from cylinder 8 with a known-good coil from another cylinder and see if the code follows
- 3 Check spark plug condition and gap; replace if worn or fouled
- 4 Use a multimeter to test the igniter circuit for continuity, shorts, and proper voltage
- 5 Inspect the ECM connector and pins for corrosion or damage
- 6 If the coil is faulty, replace it with an OEM-quality unit and clear the code
- 7 Verify repair by test-driving and confirming the code does not return



Igniter Circuit Checks Before Coil Replacement

- A misfire code for cylinder 8 may not always set P1340; this code specifically indicates an electrical fault in the igniter feedback circuit, not just a misfire.
- The igniter is integrated into the ignition coil on many Toyota engines, so a coil failure can trigger this code even if the coil still produces spark.
- Wiring harness damage near the coil pack is common due to heat and vibration, often causing intermittent P1340 without a permanent no-start.
- Swapping coils is a quick diagnostic step, but be aware that some Toyota models use different part numbers for front and rear banks, so swap only within the same bank.
- A weak battery or charging system issue can cause low voltage to the igniter, leading to a false P1340; always check battery voltage and connections first.

Can I keep driving with P1340?

Driving with P1340 is generally safe for short distances, but avoid heavy acceleration or towing because a misfire can overheat the catalytic converter. If the engine runs very rough or flashes the check engine light, stop and repair immediately.

Tools that help

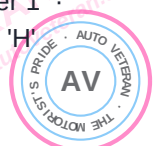
- OBD-II scanner
- Digital multimeter
- Socket set and ratchet
- Spark plug socket and gap gauge
- Electrical contact cleaner
- Factory service manual or wiring diagram

Reading P1340

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Toyota): its meaning depends on the make.
3	Ignition system and misfire.
40	The exact fault within that area.

Often seen with

P1341 Ignition Coil Output Stage 1 Short To Ground · **P1342** Ignition Coil Power Output State 1 Short To B+ · **P1343** Ignition Coil Output Stage 2 Short To Ground · **P1341** Camshaft Position Sensor B Circuit Range Performance · **P1341** Multiple Cylinder Misfire With Fuel Cut-off · **P1342** Misfire During Start Cylinder 1 · **P1343** Misfire Cylinder 1 With Fuel Cut-off · **P0308** Cylinder 8 Misfire Detected · **P0358** Ignition Coil 'H' Primary/Secondary Circuit



See it working

Watch the animated explainer [How a CVT Works: Belt and Pulley Transmission](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/toyota-p1340/>

