

MITSUBISHI · POWERTRAIN

P1104

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1104 · Mitsubishi

Turbocharger Wastegate Solenoid

P1104 on Mitsubishi vehicles indicates the powertrain control module (PCM) has detected an electrical fault in the turbocharger wastegate solenoid circuit, which controls boost pressure by opening the wastegate. The PCM monitors the solenoid's command and feedback circuits and sets this code when the current or voltage falls outside the expected range for the commanded duty cycle.

SYSTEM

Powertrain

CODE TYPE

Mitsubishi
specific

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Fuel and air
metering

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- Reduced engine power or limp mode due to overboost protection
- Poor acceleration or sluggish throttle response
- Decreased fuel economy
- Audible hissing or whistling from the turbocharger area under boost
- Rough idle or stumbling in some cases

Common causes, most likely first

- 1 Failed wastegate solenoid (open or shorted coil)
- 2 Damaged or disconnected electrical connector at the solenoid
- 3 Broken, corroded, or shorted wiring in the solenoid circuit
- 4 Vacuum hose leaks or blockages between the solenoid and wastegate actuator
- 5 Sticking or seized wastegate actuator linkage
- 6 Faulty PCM driver circuit (rare)

How to diagnose and fix it

- 1 Scan all modules for stored codes and record freeze-frame data to confirm P1104 is active
- 2 Visually inspect the wastegate solenoid, connector, and vacuum hoses for damage or disconnection
- 3 Test the solenoid resistance with a multimeter and compare to specification
- 4 Check for battery voltage and ground at the solenoid connector with the key on
- 5 Perform a bidirectional actuator test with a scan tool to command the solenoid and listen for operation
- 6 Repair or replace faulty wiring, hoses, or the solenoid as needed
- 7 Clear codes and verify the repair with a road test under boost



Wastegate solenoid diagnostics beyond the code

- A stuck-open wastegate can mimic a solenoid failure by causing low boost and setting P1104, so always check actuator movement before replacing parts.
- Corroded pins in the solenoid connector are a common cause on older Mitsubishi models, especially in humid climates, and can be fixed without a new solenoid.
- The PCM may set P1104 intermittently if the solenoid coil is failing only when hot, so test the solenoid both cold and after a drive cycle.
- Vacuum leaks upstream of the solenoid can cause the PCM to see unexpected feedback and set this code even when the solenoid itself is good.
- After repairs, some Mitsubishi models require a relearn procedure for the wastegate actuator using a factory scan tool to restore proper boost control.

Can I keep driving with P1104?

You can usually drive the vehicle with P1104 set, but avoid aggressive acceleration and sustained high boost because the turbo may overboost or underboost, potentially causing engine damage. Have the fault diagnosed soon to prevent worsening performance and possible secondary failures.

Tools that help

- OBD-II scan tool with bidirectional control
- Digital multimeter
- Hand vacuum pump
- Socket and wrench set
- Factory service information for wiring diagrams and specifications

Reading P1104

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Mitsubishi): its meaning depends on the make.
1	Fuel and air metering.
04	The exact fault within that area.



Often seen with

P1103 Oxygen Sensor Heating Circuit Bank 1 Sensor 1 Short To B+ · **P1105** Oxygen Sensor Heating Circuit Bank 1 Sensor 2 Short To B+ · **P1103** Pressure Sources Switching Solenoid Valve Circuit · **P1105** MAP BARO Pressure Switch Solenoid Valve · **P1103** Turbocharger Wastegate Actuator · **P1105** Fuel Pressure Solenoid · **P1105** Atmospheric Pressure Sensor In Control Module · **P1103** Mass Air Flow Sensor Signal Inconsistent With Engine Speed · **P1105** HO2S12 Heater Circuit High Voltage · **P1105** Secondary Vacuum Sensor Circuit · **P1105** Dual Alternator Upper Fault · **P1105** Open Or Shorted Condition Detected In The Baro Read Solenoid · **P0234** Engine Overboost Condition · **P0235** Turbocharger Boost Sensor A Circuit Malfunction · **P0243** Turbocharger Wastegate Solenoid A Malfunction

See it working

Watch the animated explainer [Turbocharger Trainer: Boost, Wastegate and Intercooler](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/mitsubishi-p1104/>

