

HONDA · POWERTRAIN

P1671

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1671 · Honda

A/T FI Data Line No Signal

P1671 on a Honda means the powertrain control module (PCM) has lost the serial data signal it expects from the transmission control module (TCM) over the A/T FI data line, which is the dedicated communication circuit between the two computers. The PCM sets the code when it detects no valid data message from the TCM for a calibrated period, so the fault is a communication failure rather than a direct sensor or solenoid failure.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Honda specific	Medium	Professional	Computer and output circuits

Symptoms you may notice

- The check engine light or A/T warning light illuminates steadily while the vehicle otherwise drives normally.
- The transmission may default to a limp or fail-safe mode with harsh or delayed shifting.
- The gear position indicator may flash, blank out, or show the wrong gear on the instrument cluster.
- The engine may idle poorly or hesitate because the PCM is missing transmission load data.
- The scan tool may fail to communicate with the TCM while the PCM still responds.
- Often no symptoms besides the warning light, especially on early intermittent faults.

Common causes, most likely first

- An open, shorted, or high-resistance wire in the A/T FI data line between the PCM and TCM.
- Corroded, loose, or backed-out terminals at the PCM or TCM connectors.
- A failed TCM that no longer transmits data on the line.
- A failed PCM driver or receiver circuit for the A/T FI data line.
- Poor ground or power supply to the TCM causing it to drop offline intermittently.
- Aftermarket electrical accessories or alarm wiring tapped into the data circuit.
- Water intrusion or chafing in the harness where it passes through the firewall or near the transmission.



How to diagnose and fix it

- 1 Connect a scan tool and confirm whether the TCM communicates; record all stored codes in both PCM and TCM before clearing anything.
- 2 Inspect the PCM and TCM connectors for corrosion, pushed pins, and loose terminals, then reseal them and retest.
- 3 Check TCM power and ground circuits with a multimeter and a loaded test light before condemning any module.
- 4 Perform a continuity and resistance test on the A/T FI data line between the PCM and TCM, flexing the harness to catch intermittent opens.
- 5 Check for shorts to ground or battery voltage on the data line with the key off and both modules disconnected.
- 6 If wiring and power checks pass, substitute a known-good TCM and retest to isolate the module.
- 7 Only after ruling out wiring and the TCM, test or replace the PCM and perform any required relearn or programming.

What the A/T FI line really does

- The A/T FI data line is a dedicated serial link, not the generic CAN bus, so a P1671 will not always be accompanied by U-code communication faults.
- A weak or failing TCM power or ground connection can set P1671 intermittently without any hard wiring break, so loaded circuit tests matter more than simple continuity checks.
- Technicians often replace the TCM when the real fault is a single chafed wire near the firewall grommet or transmission mount.
- Aftermarket remote starters and alarm systems tapped into the data circuit are a commonly missed cause on older Hondas.
- Clearing the code without checking freeze-frame data can hide an intermittent fault that only appears when the transmission is hot or under load.

Can I keep driving with P1671?

The vehicle is usually safe to drive short distances to a repair shop, but avoid heavy loads, towing, and aggressive acceleration because the transmission may be in fail-safe mode with reduced shift quality. If the transmission is stuck in a single gear or the engine runs poorly, stop driving and have it towed.

Tools that help

- OBD-II scan tool with Honda-specific module communication capability
- Digital multimeter with continuity and resistance functions
- Loaded test light for power and ground circuit testing
- Back probe pins and wiring diagram for the PCM and TCM connectors
- Harness flex tool or assistant to wiggle wiring during continuity tests



Reading P1671

- P** Powertrain: engine, transmission and emissions.
- 1** Manufacturer-specific code (Honda): its meaning depends on the make.
- 6** Computer and output circuits.
- 71** The exact fault within that area.

Often seen with

P1670 Driver 4 · **P1670** Electronic Feedback Signal Not Detected · **P0700** Transmission Control System Malfunction · **P0715** Input/Turbine Speed Sensor Circuit Malfunction · **P0720** Output Speed Sensor Circuit Malfunction · **U0101** Lost Communication with TCM

See it working

Watch the animated explainer [Helicopter Flight Simulator: Learn the Three Controls](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/honda-p1671/>

