

FORD · POWERTRAIN

P1195

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1195 · Ford

SCP HBCC Failed To Initialize

P1195 on Ford vehicles indicates that the powertrain control module (PCM) attempted to initialize the hybrid electronic cluster (HBCC) over the standard corporate protocol (SCP) data bus but did not receive a valid response. The PCM sets this code when the communication link with the instrument cluster fails to establish during the initial handshake sequence.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Ford specific	Medium	Professional	Fuel and air metering

Symptoms you may notice

- Often no symptoms besides the warning light, especially if the cluster still powers up normally.
- Instrument cluster gauges or warning lamps may flicker, freeze, or fail to illuminate during bulb check.
- Intermittent loss of speedometer, tachometer, or fuel gauge readings while driving.
- The engine may crank but fail to start if the PCM cannot complete the initialization handshake.
- Other modules may log communication codes (U-codes) because the SCP bus is disrupted.
- Erratic operation of the odometer or trip computer display.

Common causes, most likely first

- Faulty or failing hybrid electronic instrument cluster (HBCC) module.
- Damaged, chafed, or corroded wiring in the SCP data bus between the PCM and cluster.
- Poor ground connection at the instrument cluster or PCM, causing voltage drops that disrupt communication.
- Blown fuse or poor power feed to the instrument cluster, preventing it from powering up for initialization.
- PCM software glitch or internal fault that prevents it from sending the correct initialization signal.
- Aftermarket radio or accessory improperly tied into the SCP bus, causing signal interference.
- Corroded or loose connector pins at the cluster or PCM harness.



How to diagnose and fix it

- 1 Verify battery voltage and condition; a weak battery can cause communication failures on Ford SCP networks.
- 2 Check all fuses and relays that supply power to the instrument cluster and PCM, and inspect grounds for tightness and corrosion.
- 3 Inspect the SCP data bus wiring between the PCM and cluster for chafing, opens, or shorts, and repair as needed.
- 4 Disconnect any aftermarket electronics wired to the SCP bus and retest for the code.
- 5 Use a scan tool to perform a network integrity test and confirm whether the cluster responds to diagnostic requests.
- 6 If the cluster is unresponsive, substitute a known-good cluster or perform a bench test to confirm the fault.
- 7 Reprogram or replace the PCM only after all wiring and cluster checks pass, as PCM failure is rare.

SCP bus faults that mimic a bad cluster

- A common misdiagnosis is replacing the instrument cluster when the real problem is a corroded ground stud behind the dash that drops voltage only under load.
- Aftermarket remote starters or alarm systems tapped into the SCP bus often corrupt the initialization signal, setting P1195 without any cluster fault.
- The code can be stored intermittently by a low battery that drops voltage during cranking, even though the cluster and wiring are healthy.
- On some Ford models, a failing PCM relay or fuse box corrosion interrupts power to the cluster just long enough to fail initialization, leaving no other symptoms.
- P1195 does not always mean the cluster is dead; the PCM may simply be missing the acknowledgment due to a single chafed wire in the SCP twisted pair.

Can I keep driving with P1195?

If the engine starts and runs normally with only the warning light on, you can drive to a repair shop, but avoid long trips because a failed cluster can leave you without speed or fuel information. If the engine cranks but does not start, do not continue driving and have the vehicle towed.

Tools that help

- OBD-II scan tool with Ford-specific SCP network diagnostics
- Digital multimeter for voltage, resistance, and continuity checks
- Wiring diagram for the SCP bus and cluster connectors
- Test light or logic probe for bus signal activity
- Socket set and trim removal tools to access the cluster and PCM



Reading P1195

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

Often seen with

P1194 ECM PCM A D Converter · **P1194** O2 Sensor Heater Circuit Resistance Fault · **P1194** Incorrect Or Irrational Performance Has Been Detected For Th · **P1194** ECU A/D Converter · **P1194** Incorrect Or Irrational Performance Has Been Detected For Th · **P0562** System Voltage Low · **P0600** Serial Communication Link Malfunction · **U0100** Lost Communication With ECM/PCM A · **U0155** Lost Communication With Body Control Module

See it working

Watch the animated explainer [How Push-Button Start Works: Keyless Ignition](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/ford-p1195/>

