

FORD P1650: POWER STEERING PRESSURE (PSP) SWITCH OUT OF SELF-TEST RANGE

OVERVIEW

Severity :  Medium

DIY Difficulty Level :  Intermediate

Repair Cost : \$260-\$400

Can I Still Drive? : No

What Does The Ford P1650 Code Mean?

In the key on engine off (KOEO) self-test, this DTC indicates the PSP input to the Powertrain Control Module (PCM) is high. In the key on engine running (KOER) self-test, this DTC indicates the PSP input did not change state.

What Are The Potential Causes Of The Ford P1650 Code?

- Steering wheel must be turned during the KOER Self-Test
- PSP switch/shorting bar is damaged
- PSP signal circuit is open or shorted to ground
- PSP switch ground (return) circuit is open
- PCM has failed

How Can You Fix The Ford P1650 Code?

Check if the vehicle was towed or a power steering repair was carried out. Observe the PSP V PID while checking the wires for intermittent concerns.

Reference Sources

[2007 Powertrain Control Emissions Diagnosis On Board Diagnosis](https://www.ford.com/service/technical-information/2007-powertrain-control-emissions-diagnosis-on-board-diagnosis) - Sections 4: Powertrain DTC

Charts and Descriptions, P1650, page 122.