

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

### OVERVIEW

Severity	:	<div><div>Medium</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
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 intermitten concerns.

### Reference Sources

[2007 Powertrain Control Emissions Diagnosis On Board Diagnosis](#) - Sections 4: Powertrain DTC

Charts and Descriptions, P1650, page 122.