

## JEEP P1690: REDUCTANT INJECTION VALVE CIRCUIT LOW - POSITIVE SIDE

### OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$100-\$1150
Can I Still Drive?	:	Yes (Short-term only)

### What Does The Jeep P1690 Code Mean?

The Diesel Exhaust Fluid (DEF) Injector is mounted to the decomposition tube at the inlet of the Selective Catalytic Reduction (SCR) Catalyst. The Powertrain Control Module (PCM) sends a Pulse Width Modulated (PWM) signal to DEF Injector to vary the amount of fluid sprayed into the exhaust stream. The PCM will illuminate the MIL lamp after this diagnostic runs and fails. This is a two Trip Fault.

### What Are The Potential Causes Of The Jeep P1690 Code?

- DEF injector positive circuit shorted to ground
- DEF injector
- Powertrain control module

### Reference Sources

[Jeep P1690](#), DTCDECODE.