

JEEP P1CBF: ELECTROPUMP DRIVE UNIT -FEEDBACK - SIGNAL CALCULATION FAILURE

OVERVIEW

Severity	:	Medium
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$75-\$200
Can I Still Drive?	:	Yes (Short-term only)

What Does The Jeep P1CBF Code Mean?

This diagnostic checks the performance of the hydraulic pump. The Smart Driver Unit (SDU) which is external to the Transmission Control Module (TCM) drives the hydraulic pump based upon a PWM command signal received from the Transmission Control Module (TCM). This diagnostic uses three feedback signals.

The PWM driver, internal to TCM, returns a command feedback signal. The SDU returns to the TCM the hydraulic pump driver feedback signal. The TCM separately receives the hydraulic pump feedback signal confirming the pump state. This diagnostic checks the performance of the hydraulic pump.

What Are The Potential Causes Of The Jeep P1CBF Code?

- Pump feedback signal circuit open
- Pump feedback signal circuit shorted to ground
- Pump feedback signal circuit shorted to voltage
- Smart drive unit (SDU)
- Transmission control module (TCM)

Reference Sources

[Jeep P1CBF](#), DTCDECODE.