

## CHRYSLER P1D20: MULTI MODULE HANDSHAKE FAILURE

### OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$300-\$1400
Can I Still Drive?	:	No

### What Does The Chrysler P1D20 Code Mean?

The purpose of the diagnostic is to monitor the question-answer Controller Area Network (CAN) communication between the shifter and Transmission Control Module (TCM) by comparing the shifter response to the expected value in the TCM software. The TCM sends two randomly generated values to the shifter and the shifter is expected to answer with a value calculated based upon these two random numbers.

The TCM commands the shifter to reset if one of the following conditions occurs: No answer received within a calibrated amount of time. Received answer is incorrect and is the same as the previous answer. Received answer is incorrect and is not the same as the previous answer.

### What Are The Potential Causes Of The Chrysler P1D20 Code?

- CONTROLLER AREA NETWORK (CAN) BUS CIRCUITS OPEN OR SHORTED
- ELECTRONIC SHIFT MODULE (ESM)
- TRANSMISSION CONTROL MODULE (TCM)

### Reference Sources

[Chrysler P1D20](#), DTCDECODE.