

Phantom Transfer Case Shifting with Code C1404

Dodge Trucks with the NV 233 Transfer Case

Some Dodge Dakota, Durango and Ram Truck customers may complain that their transfer case suddenly shifts into 4WD all by itself. There is code C1404 stored in the totally integrated power module (TIPM) or front control module (FCM)

When you road test the truck the problem usually is not present and the TC works OK. Try to induce the code by switching the A/C on and off.

This code can be set and the system can shift into 4 wheel drive by itself if the 5 volts to the transfer case shift motor gets shorted and the voltage pulls low.

There is a condition in the A/C system that can cause this problem.

The A/C pressure sensor can short out and cause this condition. Since this is an Intermittent problem, disconnect the pressure sensor as a test.

Drive the truck and confirm that the problem is gone. If so replace the A/C Pressure Sensor.

If the problem is still present monitor the transfer case position sensor voltage. If the 5V reference is OK, monitor the transfer case mode sensor voltage at the transfer case mode sensor. If the voltage is erratic, replace the transfer case mode sensor / shift motor. The transfer case mode sensor is part of the transfer case shift actuator.

Typical A/C Transducer

