



# Technical Service Information

## PORSCHE CAYENNE

### FOUR WHEEL DRIVE WARNING LAMP ILLUMINATED

**COMPLAINT:** A 2003 to 2006 Porsche Cayenne has a complaint of the four wheel drive warning lamp being illuminated (figure 1) with four wheel drive being inoperative. The only DTC that is set is VAG Code 0532 for B+ Supply Low.

Clearing the code allows the four wheel drive system to operate normally for a short time after which the code returns. The four wheel drive warning lamp is once again illuminated as well as four wheel drive being inoperative.

**CAUSE:** Low battery voltage.

**CORRECTION:** Replace the battery. The battery is located under the driver's seat, refer to figure 2.

#### SERVICE INFORMATION:

Once the new battery is installed certain procedures will have to be performed to restore system functions that were lost:

1. Some modules may require memory resets using a scan tool such as the DME.  
For Engine Computer to relearn Idle control, let the engine run for several minutes and it will relearn idle control.  
For fuel mixture adaption, switch the ignition ON, do not start the engine, do not touch the accelerator pedal. After 30 seconds fuel mixture will be relearned.
2. Some modules may display on the scan tool a "Supply Voltage" message. Use the scan tool to delete this message from any module that displays it.
3. The tire pressure monitoring system will display "-" on the instrument cluster. Drive the vehicle for a short distance and the tire pressures will then be displayed.
4. The Steering Angle Sensor must be reset as follows:
  - Turn wheels to straight ahead position.
  - Switch ignition OFF and then ON twice.
  - Start the engine.
  - From the straight ahead position, turn the steering wheel approximately 20° to the right.
  - Drive the vehicle straight ahead for no less than one second at a speed above 2.5 mph (4 km/h).

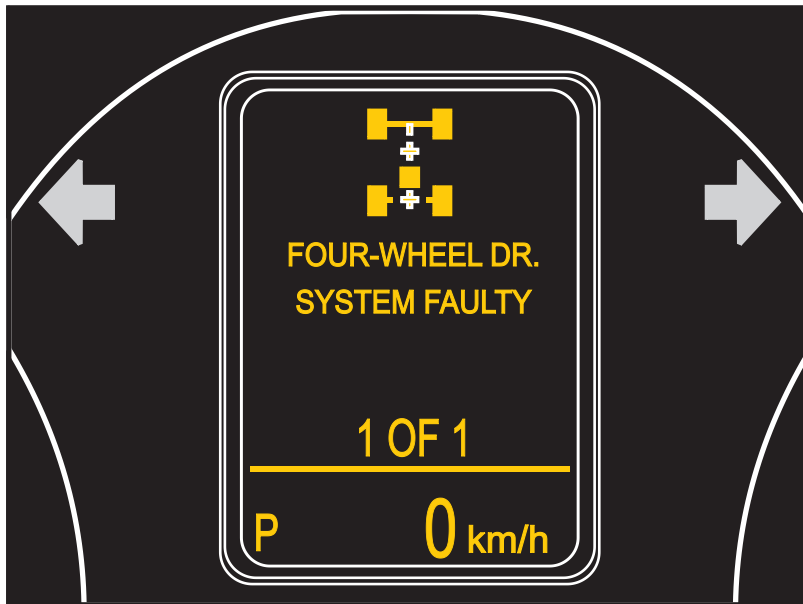
At this point the steering angle sensor is recognized, the stored fault code will erase itself and the PSM Lamp will turn OFF.

5. The sliding roof will require initialization by switching ON the ignition and pressing the rocker switch upward. The roof should open and close fully, initialization is now complete.
6. The power windows will require initialization by pulling the rocker switch and fully close the windows. Pull the rocker switch once more. Next, press the rocker switch and fully open the window. Next, press the rocker switch once more. This completes power window initialization.
7. The clock can be reset as follows:
  - Press the clock button on instrument panel.
  - Set the time in hours using the rocker switch on the windshield wiper switch.
  - Press the reset switch on the wiper switch.
  - Set the time in minutes using the rocker switch on the windshield wiper switch.
  - Press the reset switch on the wiper switch.

## PORSCHE CAYENNE

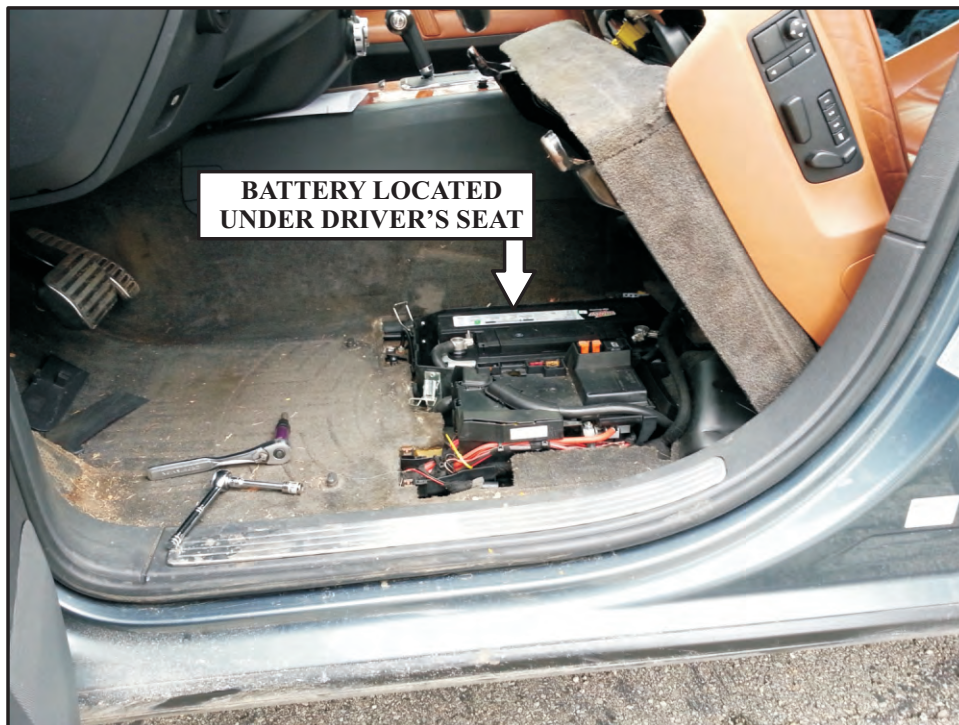
### FOUR WHEEL DRIVE WARNING LAMP ILLUMINATED

#### PORSCHE CAYENNE 4WD WARNING MESSAGE



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Figure 1



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Figure 2