

Troubleshooting Precautions

EPS Indicator Light

Under normal conditions, the EPS indicator light in the gauge assembly comes on when the ignition switch is turned to the ON (II) position, then goes off after the engine is started. This indicates that the bulb and its circuits are operating correctly. If there is any trouble in the system, the EPS indicator light turns on during driving, and the power steering assist is turned off. When the EPS indicator light comes on, the control unit memorizes the DTC. In this case, the control unit does not activate the EPS system after the engine starts again but it keeps the EPS indicator light on.

Diagnostic Trouble Code (DTC)

- The lowest DTC is indicated first.
- The DTCs continue blinking until the ignition switch is turned off.
- The DTCs are erased from the control unit when the EPS control unit VBU power supply or connector is disconnected.
- The EPS system can be reset and the control unit's memory can be erased by disconnecting the CLOCK (7.5 A) fuse for more than ten seconds.

Self-diagnosis:

The CPU (central processing unit) controls the following when it detects a problem during self-diagnosis:

1. Turns the EPS indicator light ON to alert the driver.
2. Power assist stops, and normal manual steering operation resumes (except DTC 33).
3. The EPS control unit memorizes the diagnostic trouble code (DTC).
4. After the DTC is stored in the control unit, the CPU stops self-diagnosis.

Troubleshooting:

- Before starting the troubleshooting, clear the DTC by disconnecting the CLOCK (7.5 A) fuse for ten seconds or more, and test-drive the car. Check that the symptom of the trouble appears again, and then troubleshoot.
- When both EPS indicator light and A/T "D" indicator light come on, perform the A/T troubleshooting first.
- When the customer's reported problem cannot be verified in the car, ask the customer about the conditions when the EPS indicator light came ON, then test-drive the car under those conditions, if possible. If the EPS indicator light does not come ON during the test, check for loose connections or poor contacts at the connectors by wiggling the harness, etc.
- The connector terminal numbers are viewed from the wire side for the female terminals and from the terminal side for the male terminals.
- After the repair, test-drive the car and check that the EPS indicator light does not come ON again during the test. (Refer to the Symptom-to-System Chart for diagnostic period.)