

# ELECTRONIC POWER STEERING SYSTEM

## PRECAUTION

### 1. HANDLING PRECAUTION

- (a) When handling the electronic parts:
  - Avoid any impact to electronic parts such as ECUs and relays. Replace with new ones if dropped or subjected to a severe blow.
  - Do not expose any electronic parts to high temperatures and humidity.
  - Do not touch the connector terminals in order to prevent deformation or malfunctions due to static electricity.
- (b) When handling the steering column assembly:
  - Avoid any impact to the steering column assembly, especially to the motor and torque sensor. Replace with new ones if dropped or subjected to a severe blow.
  - Do not pull the wire harness when moving the steering column assembly.
- (c) When disconnecting and reconnecting the connectors:

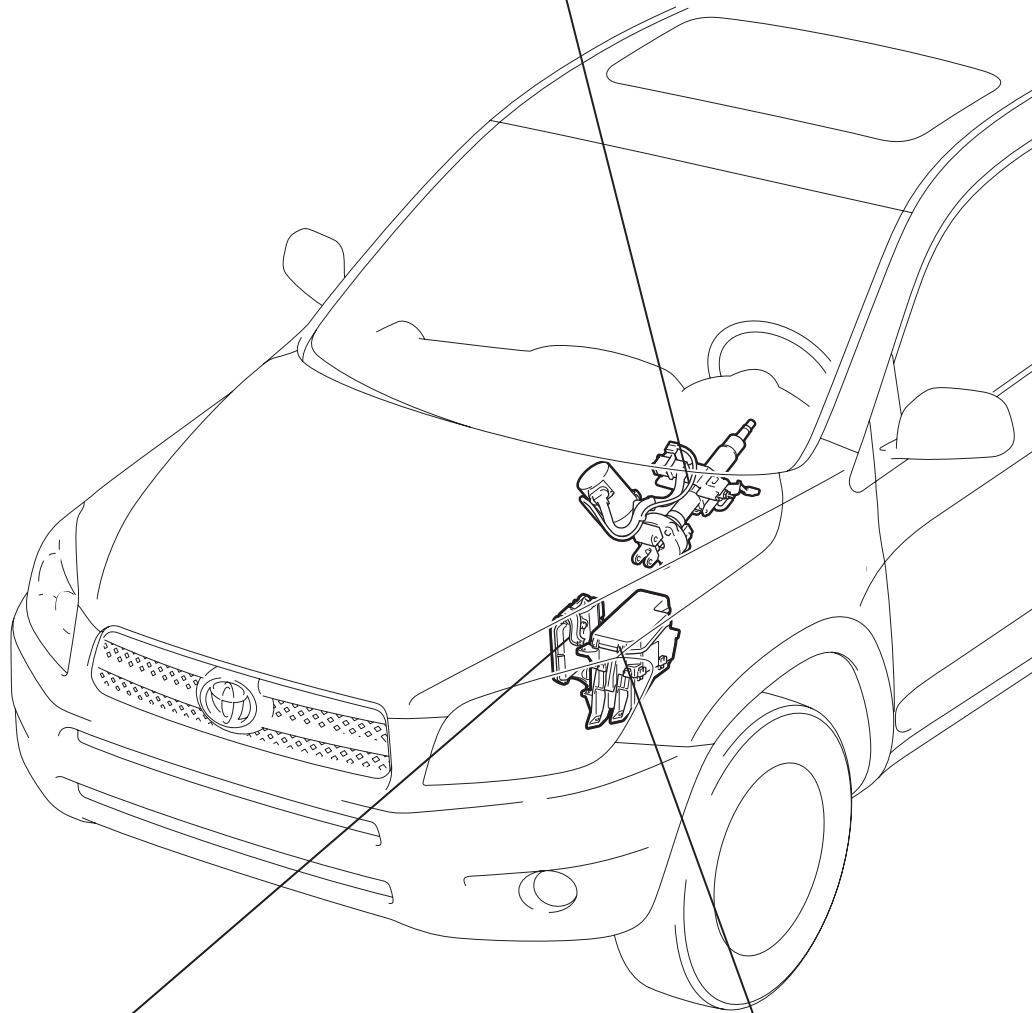
When disconnecting the connectors related to the electronic power steering system, turn the ignition switch ON, center the steering wheel, turn the ignition switch off, and then disconnect the connectors.

### 2. PRECAUTIONS FOR CAN COMMUNICATION

- (a) CAN communication lines are used to receive information from the skid control ECU and the ECM, and to transmit warnings to the combination meter. When there are any problems in the CAN communication lines, DTCs of the CAN communication line are output.
- (b) Perform troubleshooting for the communication line problems when the CAN communication DTCs are output. Be sure to start troubleshooting on the electronic power steering system after confirming that the CAN communication system is normal.
- (c) Since the CAN communication line has its own length and route, it cannot be repaired temporarily with a bypass wire, etc.

# PARTS LOCATION

- STEERING COLUMN ASSEMBLY
- POWER STEERING MOTOR
- TORQUE SENSOR
- MOTOR ROTATION ANGLE SENSOR



ECM

ENGINE ROOM NO. 1 RELAY BLOCK  
- EPS FUSE

PS

POWER STEERING ECU

COMBINATION METER  
- P/S WARNING LIGHT

DLC3

INSTRUMENT PANEL JUNCTION BLOCK  
- IG1 RELAY  
- ECU-IG1 FUSE

PS

