ELECTRIC POWER STEERING SYSTEM

05IJ8–02

PRECAUTION

1. PRECAUTION

NOTICE FOR INITIALIZATION:

When the negative (–) battery terminal is disconnected, initialize the following system after the terminal is reconnected.

System Name	See page
Power Window Control System	01–29

NOTICES FOR HYBRID SYSTEM ACTIVATION:

- **When the warning lamp is illuminated or the battery has been disconnected and reconnected, pressing the power switch may not start the system on the first try. If so, press the power switch again.**
- **With the power switch's power mode changed to ON (IG), disconnect the battery. If the key is not in the key slot during reconnection, DTC B2799 may be output.**

2. HANDLING PRECAUTIONS

(a) When handling the electronic parts:

(1) Avoid any impact to electronic parts such as ECUs and relays. Replace with new ones if dropped or subjected to a severe blow.

(2) Do not expose any electronic parts to high temperature and humidity.

(3) Do not touch the connector terminals in order to prevent deformation or malfunctions due to static electricity.

(4) When the power steering ECU assy has been replaced with a new one, perform steering zero point calibration (see page 05–981).

(b) When handling the steering column assy:

(1) Avoid any impact to the steering column assy, especially to the motor or torque sensor. Replace with new parts if dropped or subjected to a severe blow.

(2) Do not pull on the wire harness when moving the steering column assy.

(3) When the steering column assy has been replaced, perform steering zero point calibration after initializing the steering zero point calibration signal (see page 05–981).

(c) When disconnecting and reconnecting the connectors:

(1) When disconnecting the connector related to the electric power steering system, turn the power switch on (IG), center the steering wheel, turn the power switch off, and then disconnect the connector.

(2) When reconnecting the connector related to the electric power steering system, ensure that the power switch is off. Center the steering wheel and then turn the power switch on (IG).

NOTICE:

Do not turn the power switch on (IG) when the steering wheel is not centered.

(3) If the above operations are not carried out properly, the steering center point (zero point) will deviate, which may lead to a difference in steering effort between right and left. If there is a difference in steering effort between right and left, perform steering zero point calibration (see page 05–981).

3. PRECAUTIONS FOR CAN COMMUNICATION

(a) CAN communication is used to receive information from the skid control ECU (ECB ECU) and to transmit warnings to the meter and the multi–display. When there are any problems in the CAN communication lines, DTCs indicating the communication line malfunctions are output.

(b) Perform troubleshooting for the communication line problems when the CAN communication DTCs are output. Be sure to start troubleshooting on the electric power steering system when data communication is normal.

(c) Temporary fix or repair with bypass wiring, etc. is impossible because the length and path of each CAN communication line is specified.