510H2-01

ON–VEHICLE INSPECTION

1. CHECK STEERING EFFORT (TORQUE)

NOTICE:

Some service operations affect the SRS airbag. Be sure to read the precautionary notice for the SRS airbag before servicing.

(a) Stop the vehicle on a level, paved road and align the wheels straight ahead.

(b) Disconnect the negative (–) battery terminal (see page 60–1).

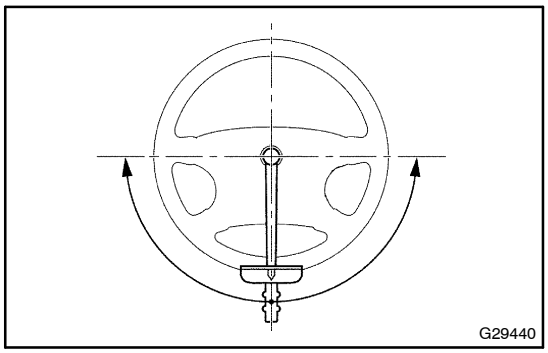
(c) Remove the horn button assy (see page 60–20).

(d) Connect the negative (–) battery terminal.

(e) Using a torque wrench, check if the steering wheel set nut is properly tightened.

Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)

(f) Turn the power switch on (IG) (the engine and the hybrid system are stopped) so that power steering is ready to operate.



(g) Turn the steering wheel 90 degrees to the right and check steering effort (torque) while turning. Check in the opposite direction using the same manner.

Steering effort (Reference):

5.5 N·m (56 kgf·cm, 49 in.·lbf)

(h) Align the front wheels straight ahead.

(i) Disconnect the negative (–) battery terminal (see page 60–1).

(j) Install the horn button assy (see page 60–20).

(k) Connect the negative (–) battery terminal.

(l) Clear the DTCs (see page 05–1170).

(m) Perform initialization (see page 01–29).

(n) Inspect the airbag warning light (see page 05–1165).

2. CHECK STEERING WHEEL FREEPLAY

(a) Turn the power switch on (IG) so that power steering is ready to operate.

(b) Align the wheels straight ahead.

(c) Gently turn the steering wheel right and left with your finger and check steering wheel freeplay.

Maximum freeplay: 30 mm (1.18 in.)

If the freeplay is out of specifications, replace the sliding yoke sub–assy or the steering gear assy with a new one.