

VGRS stops and does not operate. (It does not operate even when turning the ignition switch ON again)

INSPECTION PROCEDURE

After checking that the DTC of VGRS is normal, perform the following procedure.

1

Check MTR overheat on the VGRS Data List.

- A: Rec (Record motor overheating)
- B: Unrec (No record of motor overheating)

B

Go to step 3.

HINT:  
Clear MTR overheat. Refer to Data List (See page DI-91).

A

2

Check heat protection of actuator.

- PREPARATION:**
- (a) Turn the ignition switch ON for 15 min.
- (b) After 15 min., start the engine and perform lock to lock steering slowly (Approx. 90°/sec.) 3 times.

**CHECK:**  
Check number of turns from lock to lock.

A: 2.4 turns

B: 3.3 turns

A

VGRS is normal.

B

Proceed to step 3.

### 3 Check the steering effort.

#### PREPARATION:

- (a) Turn the ignition switch ON and start the engine.
- (b) Perform the steering.

#### CHECK:

Check the steering effort.

#### OK:

Below 4.9 N·m (50 kgf·cm, 43 ft·lbf)

NG

Check and repair power steering system.

OK

### 4 Check for any abnormal noise and vibration in VGRS actuator.

NG

Replace VGRS actuator.

OK

### 5 Check power and ground circuits to VGRS ECU (See page IN-38).

NG

Repair or replace harness or connector.

OK

Replace VGRS ECU.