

**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-801](#)).

**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 (See page [SR-9](#)).

**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-36](#)).****NG****Repair or replace harness or connector.****OK****Replace VGRS ECU.**