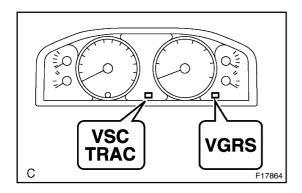DIBQR–01

INITIALIZATION

1. STEERING ANGLE SENSOR INITIALIZATION

(a) Turn the ignition switch to the "ON" position and check that the VGRS and VSC/TRAC warning lights illuminate for a few seconds.

NOTICE:
If the warning lights remain on or blink, repair the applicable system.

(b) Drive the vehicle on a straight road at 35 km/h (22 mph) or more for 5 seconds or longer. At this point, the steering wheel will still remain off–center by 5 to 10 degrees.

HINT:
In this step, the neutral position of the steering wheel is restored from the VGRS ECU memory.

(c) After performing normal cornering 2 to 3 times, the steering wheel position is automatically corrected.

NOTICE:
If the steering wheel remains off–center after the above procedure, repair the applicable system.

(d) Confirm the steering angle sensor initialization is completed.

WHEN USING HAND–HELD TESTER:
Use this procedure to center the steering wheel when the STRAIGHT ANG FLG from the VGRS DATA LIST reads VALID.

WHEN NOT USING HAND–HELD TESTER:

(1) Drive the vehicle on a road at 60 km/h (37 mph) or more for 30 seconds or longer.

HINT:
At this time, if steering angle initialization is not completed, VGRS system is stopped.

(2) Stop the vehicle. (Engine running)

(3) Slowly turn the steering wheel from lock to lock.

HINT:
2 seconds or more for 1 turn.

(4) If it rotates approximately 2.4 turns, the steering angle sensor initialization is completed. If it rotates approximately 3.5 turns, the steering angle sensor initialization is not completed.