VEHICLE POSITION IS DEVIATED FROM CORRECT POINT BADLY

INSPECTION PROCEDURE

1	CHECK DISPLAY(GPS MARK DISPLAY)

(a) Preparation for the pre–check.
  (1) Move the vehicle in the place with a fine view to GPS mark is displayed.
(b) Check the screen display.
  (1) Turn the ignition switch ON.
  (2) Turn the power switch of the radio receiver assy ON to display the map.
  STANDARD: ”GPS” mark is appeared

NG → **GO TO TROBLESHOOT FOR ”GPS MARK DOES NOT APPEAR”**

OK

2	CHECK WHEN THIS HAPPENS

(a) Check the abnormal condition.
  (1) Check the point in which the trouble occurs.

STANDARD:

A	The trouble occur in the not specific area
B	The trouble occur in the specific area

HINT:
At the place difficult specify the vehicle position (a by–pass road, a high–level road, a loop road, or several–storied car park, etc.), the vehicle position may be of the point due to the wrong matching.

B → **NORMAL**

A

3	CHECK DISPLAY(AUTOMATIC CALIBRATION)

(a) Check the screen display.
  (1) Check the color of ”Automatic calibration” switch at the distance correction screen.
  STANDARD: Green (”Automatic calibration” switch)

OK → **NORMAL**

NG

4	NAVIGATION CHECK MODE(VEHICLE SIGNAL CHECK)

(a) Perform vehicle signal check of navigation check mode.
(1) Start up the diagnosis system and read result of SPD signal in vehicle signal check mode.
STANDARD: Input signal is normal (SPD)

NG → **Go to step 6**

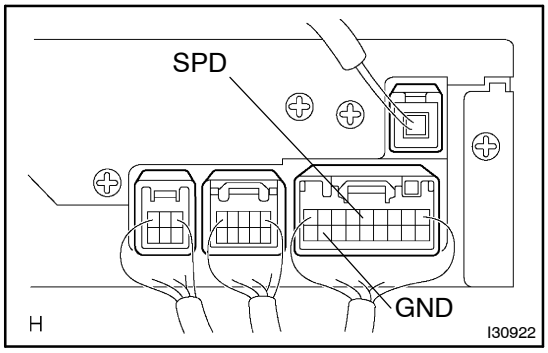
OK

5	CHECK IT OPERATION AGAIN

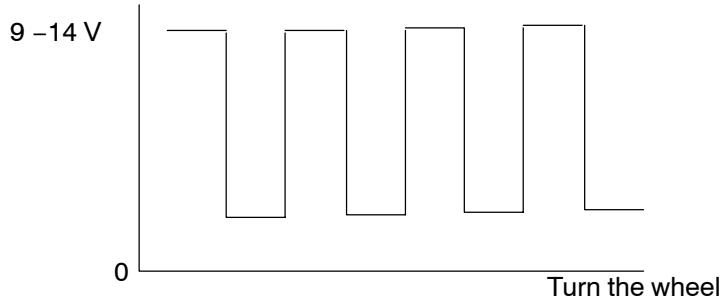
NG

CHECK AND REPLACE NAVIGATION ECU

6	INSPECT NAVIGATION ECU(SPD)



(a) Remove the navigation ECU with connectors still connected.
(b) Check voltage.
(1) Shift the shift lever to neutral.
(2) Jack up one of the front wheel.
(3) Turn ignition switch ON.
(4) Measure voltage between terminals SPD and GND of navigation ECU when the front wheel are turned slowly.
Voltage is generated intermittently.



OK → **CHECK AND REPLACE NAVIGATION ECU**

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR