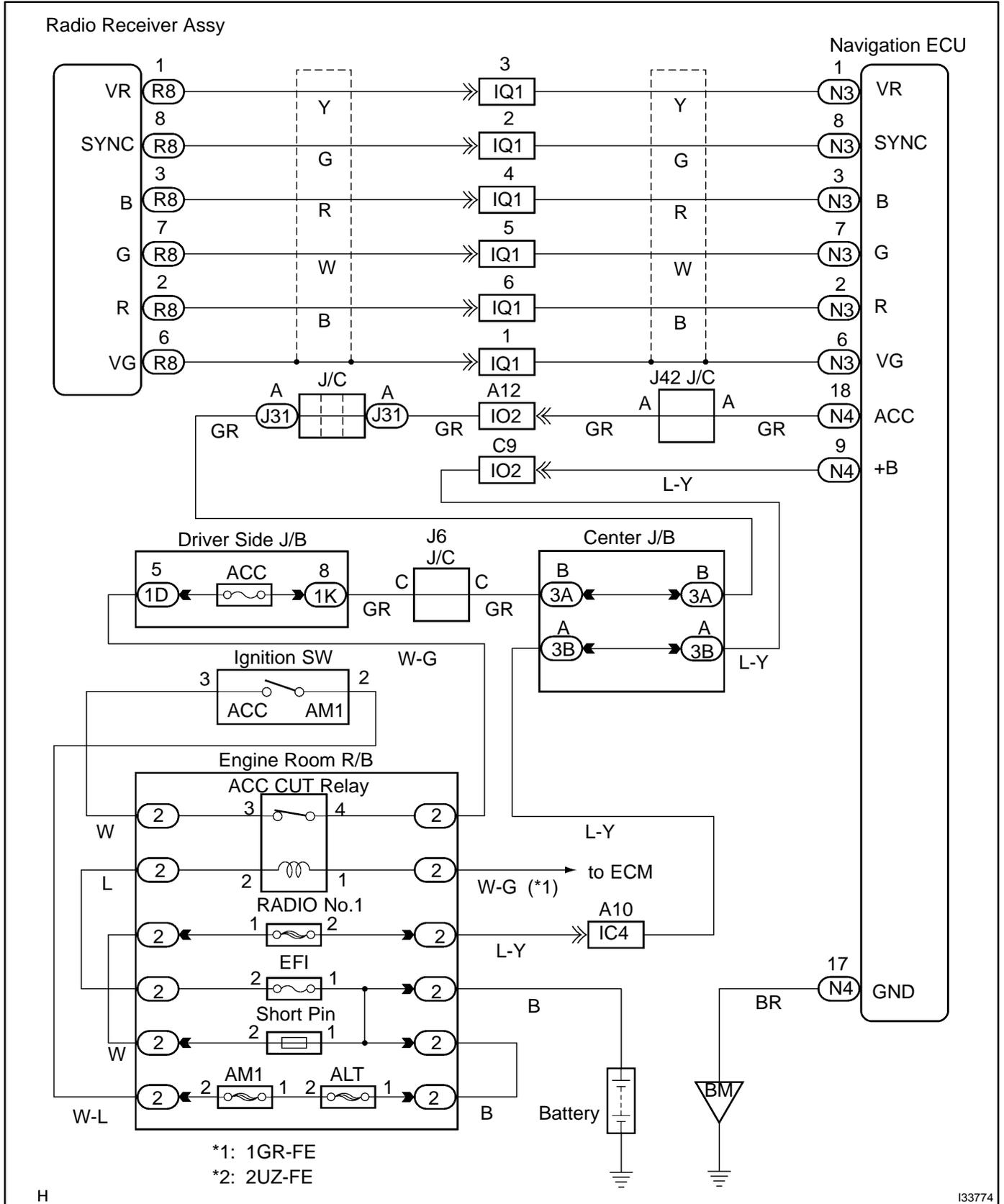


COLOR ON NAVIGATION SCREEN IS UNUSUAL (RGB SIGNAL ERROR)

WIRING DIAGRAM



INSPECTION PROCEDURE

1 | DISPLAY CHECK MODE(COLOR BAR CHECK)

- (a) Perform display check mode
 (1) Start the diagnosis system and perform display color bar check of display check mode.
Standard: Color bar check is normally

NG

CHECK AND REPLACE RADIO RECEIVER ASSY

OK

2 | NAVIGATION CHECK MODE(NAVI COLOR BAR CHECK)

- (a) Perform navigation check mode
 (1) Start the diagnosis system and perform navigation color bar check of navigation check mode.
Standard: Color bar check is normally

NG

Go to step 4

OK

3 | CHECK SETTING(NAVIGATION SETTING)

- (a) Check the color settings of each daytime screen/night screen at the "Navigation setting" on the menu.
Standard: Color setting is normally

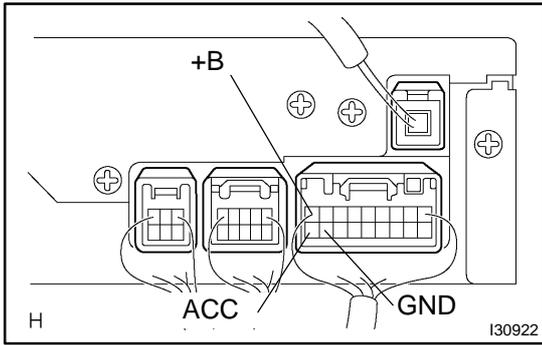
NG

CHECK AND REPLACE NAVIGATION ECU

OK

NORMAL

4 INSPECT NAVIGATION ECU(+B, ACC, GND)



- (a) Remove the navigation ECU with connectors with still connected.
- (b) Check voltage.
 - (1) Measure voltage between terminals +B, ACC and GND of navigation ECU at each conditions, as shown in the chart.

Standard:

Terminal	Condition	Voltage (v)
+B ↔ GND	Constant	10 - 14 V
ACC ↔ GND	Turn ignition switch ACC	10 - 14 V

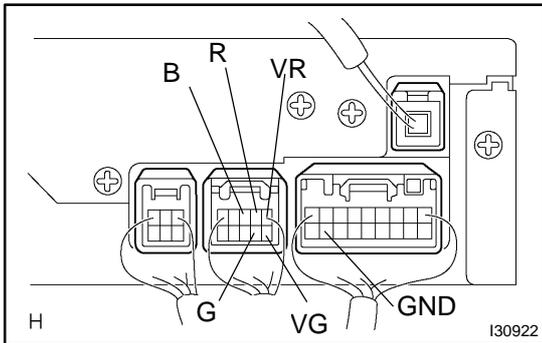
- (c) Check continuity.
 - (1) Check that the continuity exists between terminal GND of navigation ECU and body ground.

Standard: Continuity exists.

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

5 INSPECT NAVIGATION ECU(R, G, B, VR, VG)



- (a) Check continuity.
 - (1) Check that the continuity exists between each terminals, as shown in the chart.

Standard:

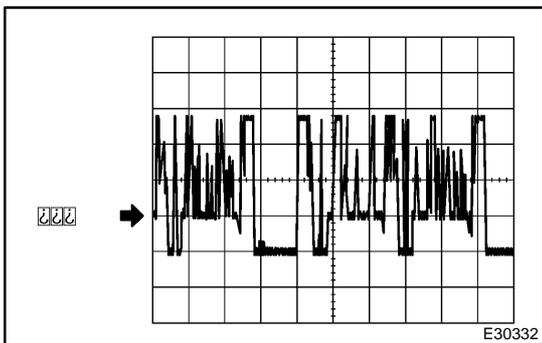
Terminal	Condition	Specified condition
VR ↔ Body ground	Constant	Continuity
VG ↔ Body ground	Constant	Continuity

- (b) Check signal waveform.
 - (1) Using an oscilloscope, check signal waveform between terminals R, G, B and GND of navigation ECU.

Item	Contents
Tool setting	200 mV/ DIV, 10 μs/ DIV
Condition	Navigation display is displayed

HINT:

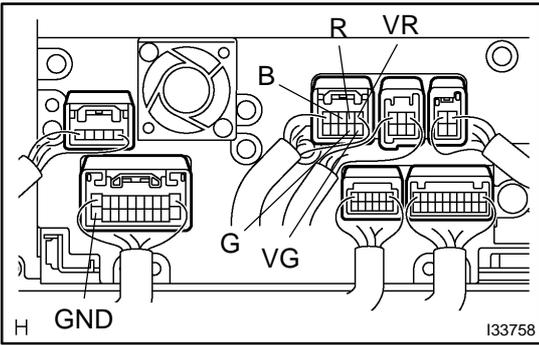
Signal wave from is shown in the chart.



NG → **CHECK AND REPLACE NAVIGATION ECU**

OK

6 INSPECT RADIO RECEIVER ASSY(R, G, B, VR, VG)



- (a) Check continuity.
 - (1) Check that the continuity exists between each terminals, as shown in the chart.

Standard:

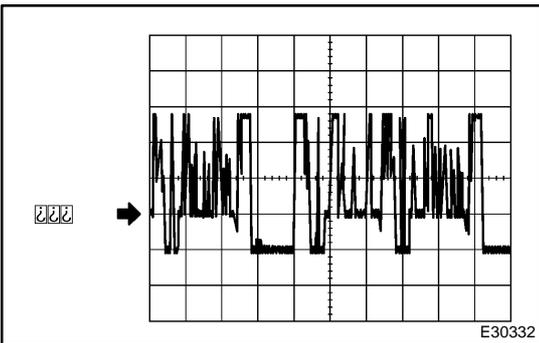
Terminal	Condition	Specified condition
VR ⇔ Body ground	Constant	Continuity
VG ⇔ Body ground	Constant	Continuity

- (b) Check signal waveform.
 - (1) Using an oscilloscope, check signal waveform between terminals R, G, B and GND of radio receiver assy.

Item	Contents
Tool setting	200 mV/ DIV, 10 μs/ DIV
Condition	Navigation display is displayed

HINT:

Signal wave from is shown in the chart.



NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPLACE RADIO RECEIVER ASSY