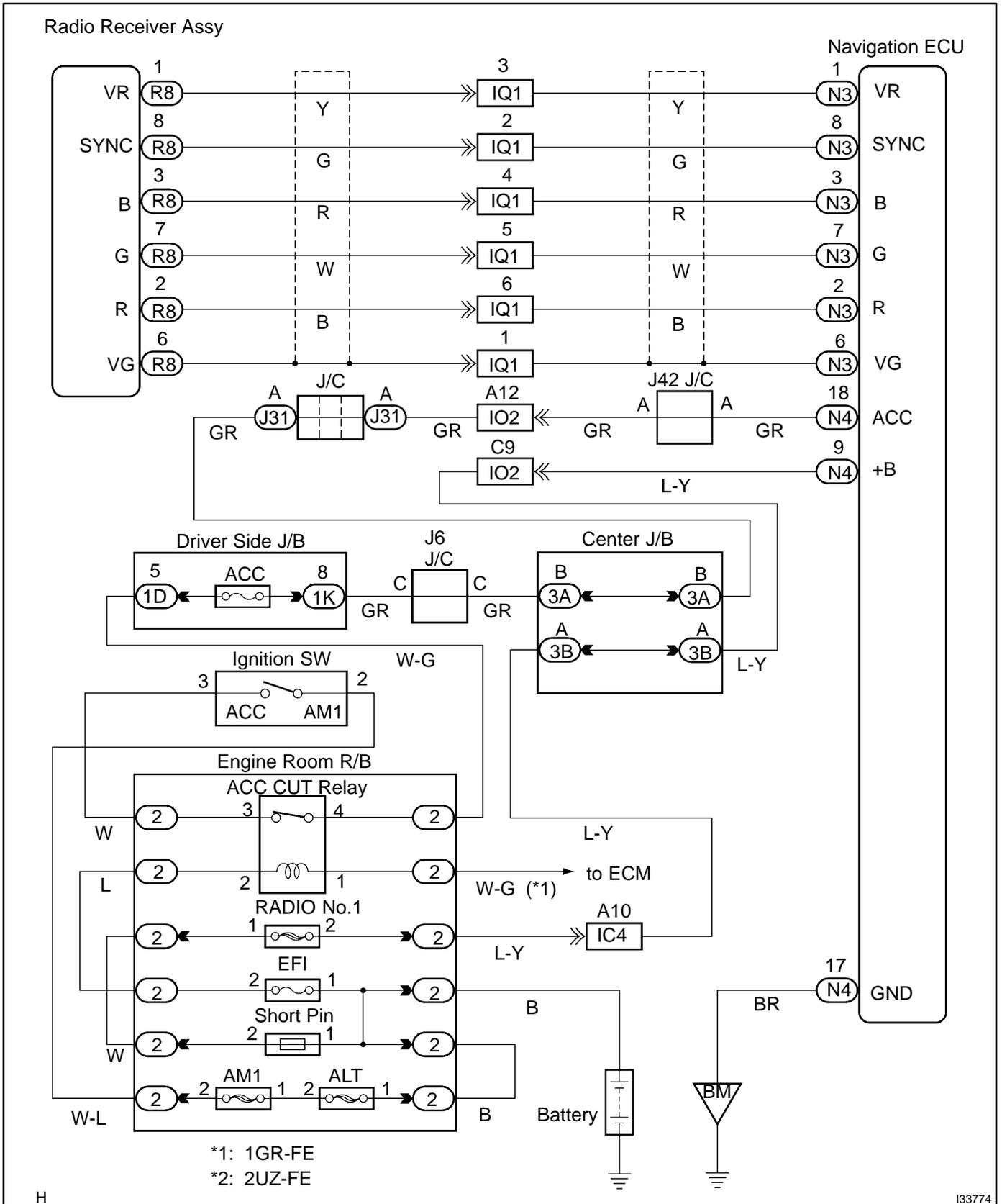


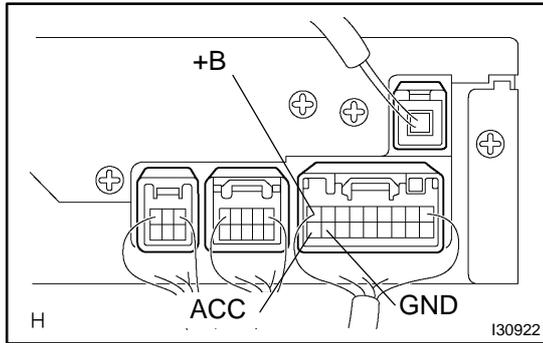
NAVIGATION SCREEN NOT STABILIZED (SYNCHRONOUS ERROR)

WIRING DIAGRAM



INSPECTION PROCEDURE

1 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

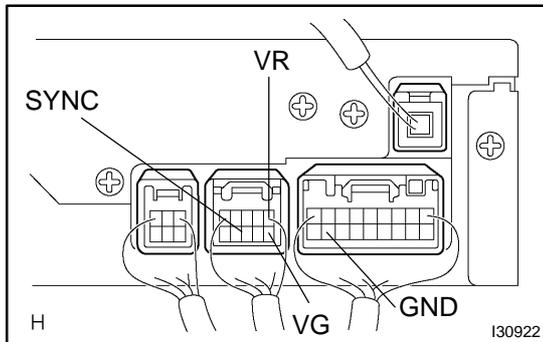
- (c) Check continuity.
 - (1) Check that the continuity exists between terminal GND of navigation ECU and body ground.

Standard: Continuity exists.

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 INSPECT NAVIGATION ECU(SYNC, VR, VG)



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

Standard:

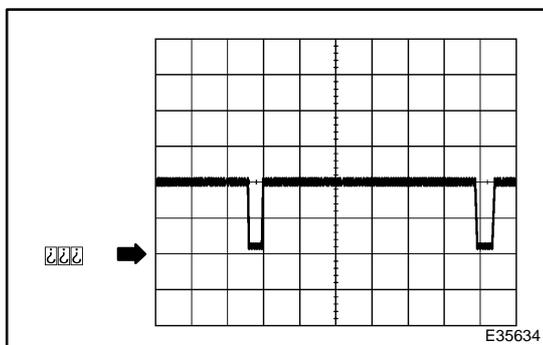
Terminal	Condition	Specified condition
VR ↔ Body ground	Constant	Continuity
VG ↔ Body ground	Constant	Continuity

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

Item	Contents
Tool setting	500 mV/ DIV, 10 μs/ DIV
Condition	Navigation display is displayed

HINT:

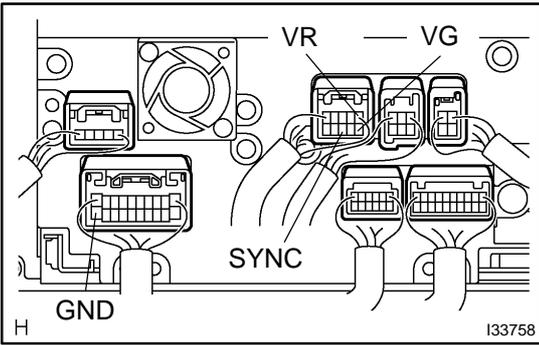
Signal wave from is shown in the chart.



NG → CHECK AND REPLACE RADIO RECEIVER ASSY

OK

3 INSPECT RADIO RECEIVER ASSY(SYNC, VR, VG)



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

Standard:

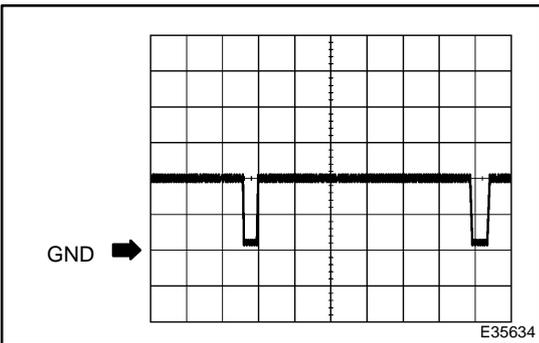
Terminal	Condition	Specified condition
VR ⇔ Body ground	Constant	Continuity
VG ⇔ Body ground	Constant	Continuity

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

Item	Contents
Tool setting	500 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