

Navigation System

Symptom Troubleshooting (cont'd)

Picture is missing a red/green/blue color or tone, or rolling picture

Diagnostic Test: Monitor Check

NOTE:

- Always check the connectors for poor connections or loose terminals.
- Before troubleshooting, get the navigation system anti-theft codes.
- After troubleshooting, enter the navigation system anti-theft codes.

1. Go into Diagnostic mode and use "RGB Color" diagnostic under Monitor Check (see page 23-41).

Are the red, green, and blue colored circles shown?

YES—The system is OK. ■

NO—Go to step 2.

2. Turn the ignition switch to OFF.
3. Disconnect the navigation unit connector A (20P) and display unit connector B (20P).
4. Check for loose terminals at navigation unit connector A (20P) and display unit connector B (20P).

Are there loose terminals?

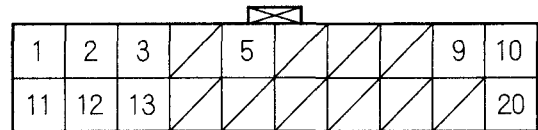
YES—Repair the terminal. ■

NO—Go to step 5.

5. Check for continuity between the appropriate terminals of navigation unit connector A (20P) to display unit connector B (20P) based on the missing color(s).

Missing color	Navigation unit connector A (20P)	Display unit connector B (20P)	Wire color
Blue	A11	B18	YEL
Green	A2	B9	RED
Red	A1	B8	WHT

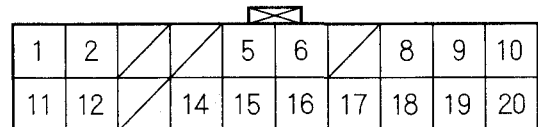
NAVIGATION UNIT CONNECTOR A (20P)



1	2	3		5				9	10
11	12	13							20

Wire side of female terminals

DISPLAY UNIT CONNECTOR B (20P)



1	2			5	6		8	9	10
11	12		14	15	16	17	18	19	20

Wire side of female terminals

Is there continuity?

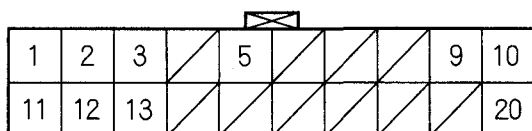
YES—Go to step 6.

NO—There is an open in the circuit between the display unit and the navigation unit. Check for poor connections or loose terminals at the display and navigation units. If a poor connection or loose terminal is found, replace the affected shielded harness. ■

6. Check for continuity between the appropriate terminals of navigation unit connector A (20P) and display unit connector B (20P) based on the missing color(s).

Missing color	Navigation unit connector A (20P)	Display unit connector B (20P)
Blue	A11	B10, B20
Green	A2	B10, B20
Red	A1	B10, B20

NAVIGATION UNIT CONNECTOR A (20P)



1	2	3		5				9	10
11	12	13							20

Wire side of female terminals

DISPLAY UNIT CONNECTOR B (20P)

1	2			5	6		8	9	10	
11	12			14	15	16	17	18	19	20

Wire side of female terminals

Is there continuity?

YES—There is a short to body ground in the circuit between the display unit and the navigation unit.

Replace the affected shielded harness. ■

NO—Replace the navigation unit. If the problem is still unresolved, replace the display unit. ■