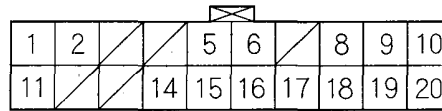


# Navigation System

## System Description (cont'd)

### Display Unit Inputs and Outputs for 20P Connector



Wire side of female terminals

Terminal Number	Wire Color	Terminal Name	Description	Voltage (about)	Symptom
1	WHT	+B (+B power source)	Continuous power source	Battery voltage	If open: Screen completely off (no backlight visible). If short to ground: Blows fuse No. 7 (10 A) in the driver's under-dash fuse/relay box.
2	PUR	ACC (Accessory)	Power source for accessory	Battery voltage at ACC (I)	If open: Display and buttons do not work. If short to ground: Blows fuse No. 32 (10 A) in the driver's under-dash fuse/relay box.
5	GRN	DISP BUS (+) (Display bus positive)	Data bus (+) GA-Net	0–5 V pulses average 2.5 V depends on bus traffic	If open: Navigation buttons do not work. If short to ground: Navigation buttons do not work.
6	GRN	SCTY (+) (Security positive)	Security signal	0 V	If open: If security system set, it will not trip when screen is removed. If short: If security system set, it will not trip when screen is removed.
8	WHT	R SIG (Red signal)	Red color signal	0–1 V	If open: Red color missing (see "RGB Color" diagnostic). If short to ground: Red color missing (see "RGB Color" diagnostic).
9	RED	G SIG (Green signal)	Green color signal	0–1 V	If open: Green color missing (see "RGB Color" diagnostic). If short to ground: Green color missing (see "RGB Color" diagnostic).
10	BLK	GND (Ground)	Ground for display unit	0 V	If open: No change to display. If short to ground: No change to display.
11	LT BLU	ILL (+) (Illumination positive)	Parking light on signal from dash and console light	Lights on: battery voltage, Lights off: 0 V	If open: When brightness "Auto," then night mode for the display is inoperative when lights on. If short to ground: Blows small light relay in under-hood fuse/relay box.
14	GRY	SH DISP BUS (Shield display bus)	Shield for display bus terminal No. 5, 16)	0 V	If open: No change to display. If short to ground: No change to display.
15	RED	DISP BUS (–) (Display bus negative)	Data bus (–) GA-Net	0–5 V pulses average 2.5 V depends on bus traffic	If open: Navigation buttons do not work. If short to ground: Hard buttons work OK.
16	BRN	SCTY (–) (Security negative)	Security signal	0 V	If open: If security system set, it will not trip when screen is removed. If short: If security system set, it will not trip when screen is removed.
17	BLU	GND SIG (Ground signal)	Ground for color signal	0 V	If open: No change to display. If short to ground: No change to display.
18	YEL	B SIG (Blue signal)	Blue color signal	0–1 V	If open: Blue color missing (see "RGB Color" diagnostic). If short to ground: Blue color missing (see "RGB Color" diagnostic).
19	BRN	C SIG (Composite signal)	Composite video (vertical/horizontal) synchronizing signal	0.3 V	If open: Picture rolls horizontally, colors still visible. If short to ground: Picture rolls horizontally, colors still visible.
20	GRY	SH SIG (Shield signal)	Shield for terminal No. 8, 9, 17, 18, 19	0 V	If open: No change to display. If short to ground: No change to display.