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Service Category: Audio/Visual/Telematics		Section: Navigation/Multi Info Display
Model Year: 2008	Model: ES350	Doc ID: RM0000011F2019X
Title: NAVIGATION: NAVIGATION SYSTEM: Navigation ECU Power Source Circuit (2008 ES350)		

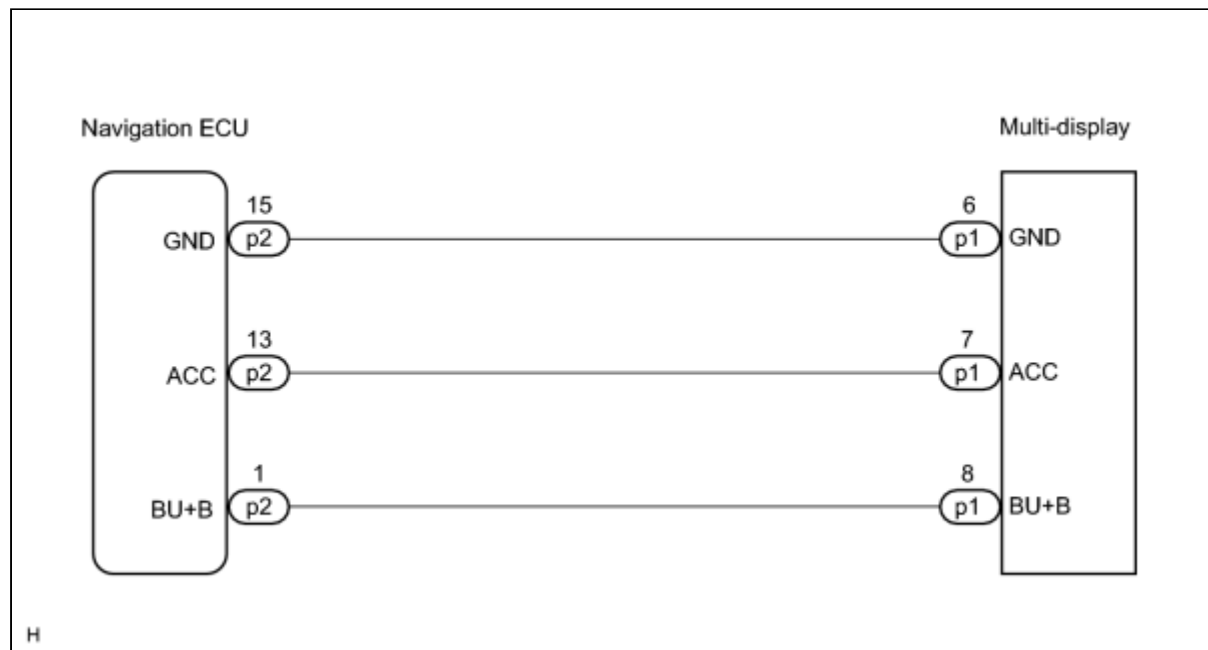
Navigation ECU Power Source Circuit

DESCRIPTION

This is the power source circuit to operate the navigation ECU.

The power is sent from the battery to the navigation ECU through the multi-display.

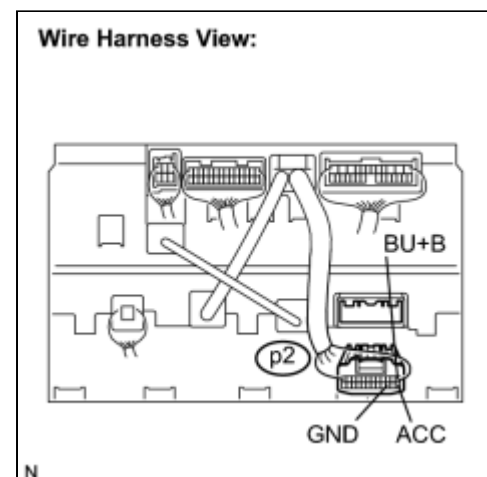
WIRING DIAGRAM



INSPECTION PROCEDURE

PROCEDURE

1. INSPECT NAVIGATION ECU



(a) Disconnect the navigation ECU connector p2.

(b) Measure the resistance according to the value(s) in the table below.

Standard resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
GND - Body ground	Always	Below 1 Ω

(c) Measure the voltage according to the value(s) in the table below.

Standard voltage:

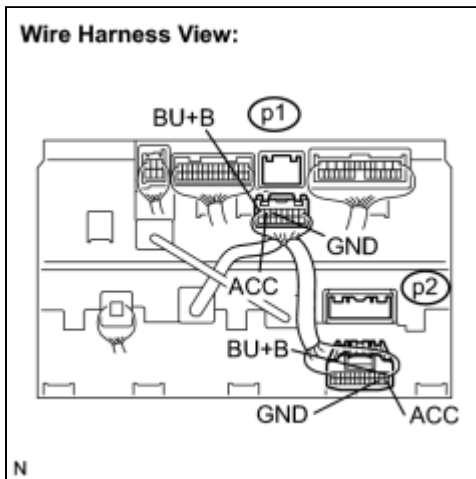
TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
BU+B - GND	Always	10 to 14 V
ACC - GND	Engine switch on (ACC)	10 to 14 V

NG ► CHECK HARNESS AND CONNECTOR (NAVIGATION ECU - MULTI-DISPLAY)

OK ► PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

3. CHECK HARNESS AND CONNECTOR (NAVIGATION ECU - MULTI-DISPLAY)

Wire Harness View:



(a) Disconnect the navigation ECU connector p2 and multi-display connector p1.

(b) Measure the resistance according to the value(s) in the table below.

Standard resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
GND - GND	Always	Below 1 Ω
ACC - ACC	Always	Below 1 Ω
BU+B - BU+B	Always	Below 1 Ω
GND - Body ground	Always	10 k Ω or higher
ACC - Body ground	Always	10 k Ω or higher
BU+B - Body ground	Always	10 k Ω or higher

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

OK ► REPLACE MULTI-DISPLAY

