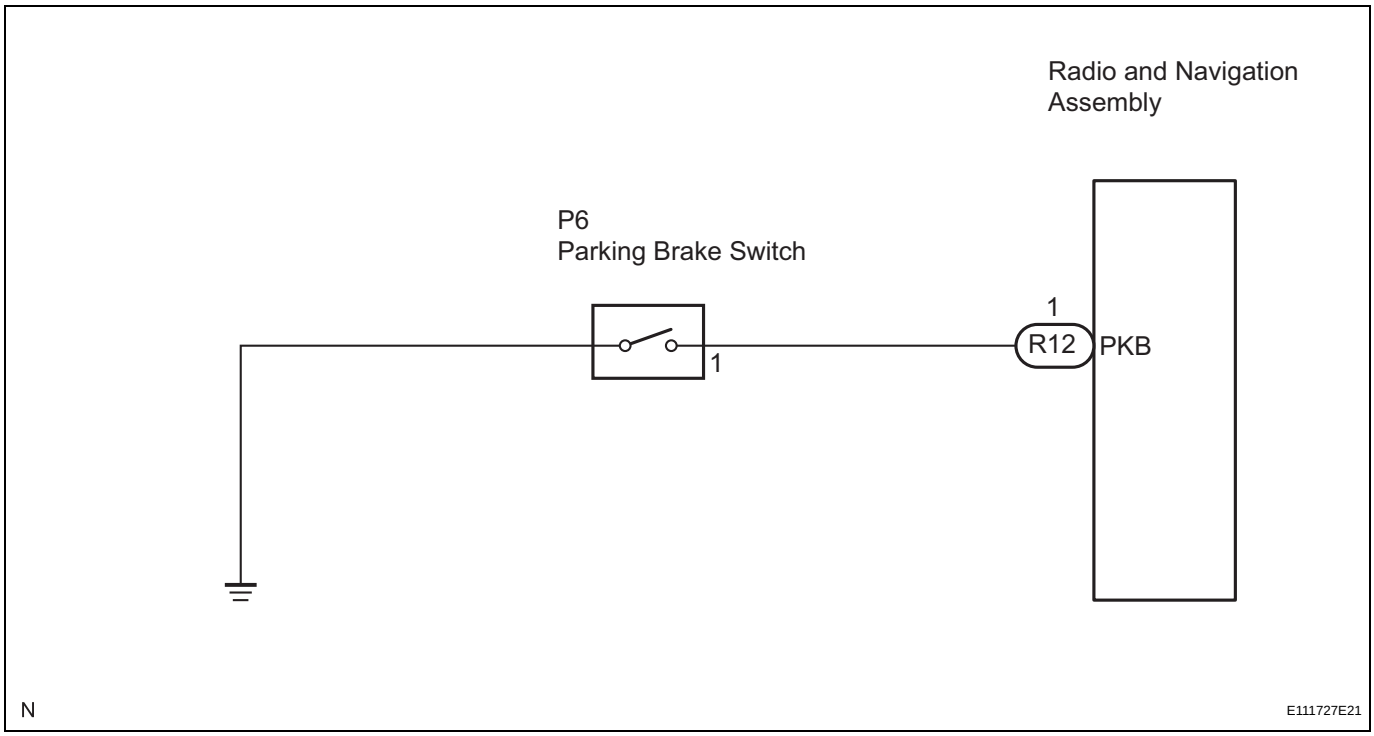
Parking Brake Switch Circuit

DESCRIPTION

This circuit is from the parking brake switch to the radio and navigation assembly.

WIRING DIAGRAM



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INSPECTION PROCEDURE

1	CHECK BRAKE WARNING LIGHT

(a) Check that the brake warning light comes on when the parking brake is applied and goes off when it is released.

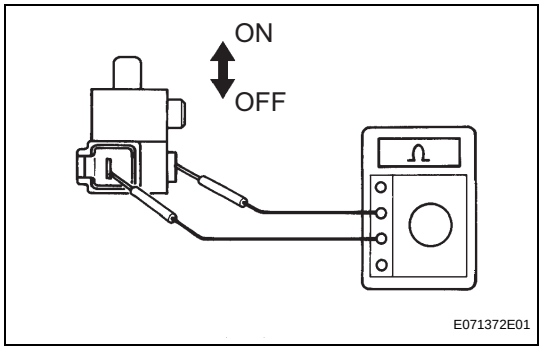
OK:

The brake warning light operates as specified above.

OK → **Go to step 3**

NG

2	INSPECT PARKING BRAKE SWITCH



(a) Disconnect the parking brake switch.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

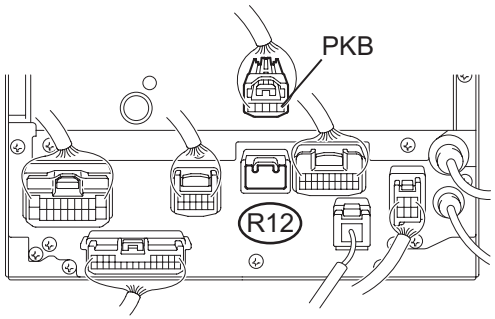
Tester connection	Condition	Specified condition
Switch connector - Switch body	ON (When shaft is not pressed)	Below 1 Ω
Switch connector - Switch body	OFF (When shaft is pressed)	10 kΩ or higher

NG → REPLACE PARKING BRAKE SWITCH

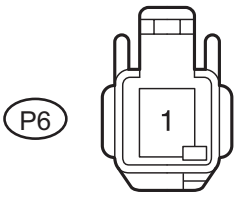
OK

3	CHECK HARNESS AND CONNECTOR (PARKING BRAKE SWITCH - RADIO AND NAVIGATION ASSEMBLY)

Radio and Navigation Assembly Wire Harness View:



Parking Brake Switch Connector Front View:



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(a) Disconnect the radio and navigation assembly connector R12 and parking brake switch connector P6.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
PKB - P6-1 (A/T)	Always	Below 1 Ω
PKB - Body ground	Always	10 kΩ or higher

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

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