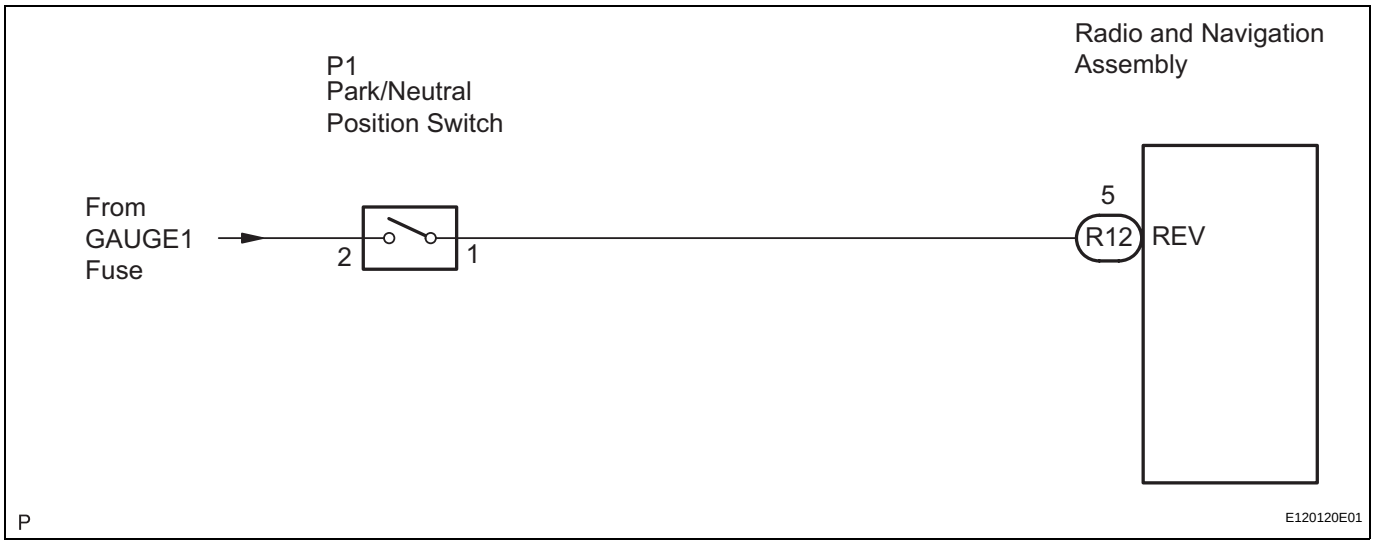
Reverse Signal Circuit

DESCRIPTION

The radio and navigation assembly receives a reverse signal from the park/neutral position switch.

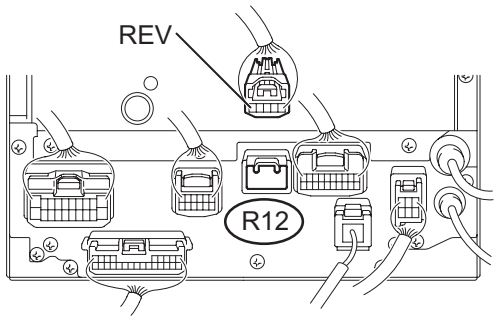
WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT RADIO AND NAVIGATION ASSEMBLY

Wire Harness View:



P E113510E01

(a) Disconnect the radio and navigation assembly connector R12.

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

Standard voltage

Tester connection	Condition	Specified condition
REV - Body ground	Ignition switch is ON. Shift lever is moved to R position.	10 to 14 V
REV - Body ground	Ignition switch is ON. Shift lever is moved to any position except R.	Below 1 V

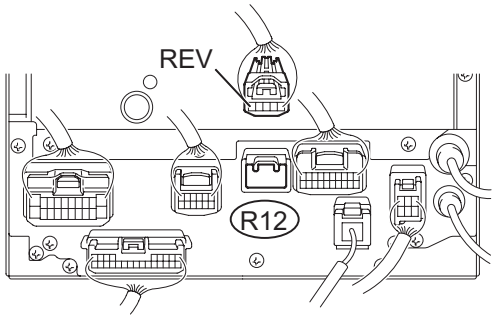
OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**

NG

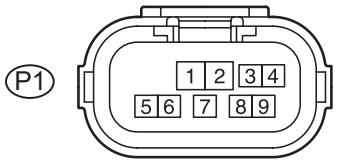
PM

2	CHECK HARNESS AND CONNECTOR (RADIO AND NAVIGATION ASSEMBLY - PARK/ NEUTRAL POSITION SWITCH)

Radio and Navigation Assembly Wire Harness View:



Park/Neutral Position Switch Connector Front View:



P E120121E01

(a) Disconnect the radio and navigation assembly connector R12 and park/neutral position switch connector P1.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
REV - P1-1	Always	Below 1 Ω
REV - Body ground	Always	10 kΩ or higher

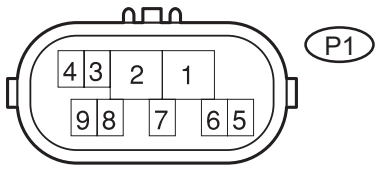
OK → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

PM

OK

3	INSPECT PARK/NEUTRAL POSITION SWITCH ASSEMBLY

Park/Neutral Position Switch:



P E120122E01

(a) Disconnect the park/neutral position switch connector P1.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester connection	Condition	Specified condition
P1-1 - P1-2	Shift lever is moved to R position.	Below 1 Ω
P1-1 - P1-2	Shift lever is moved to any position except R.	10 kΩ or higher

NG → **REPLACE PARK/NEUTRAL POSITION SWITCH ASSEMBLY**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR