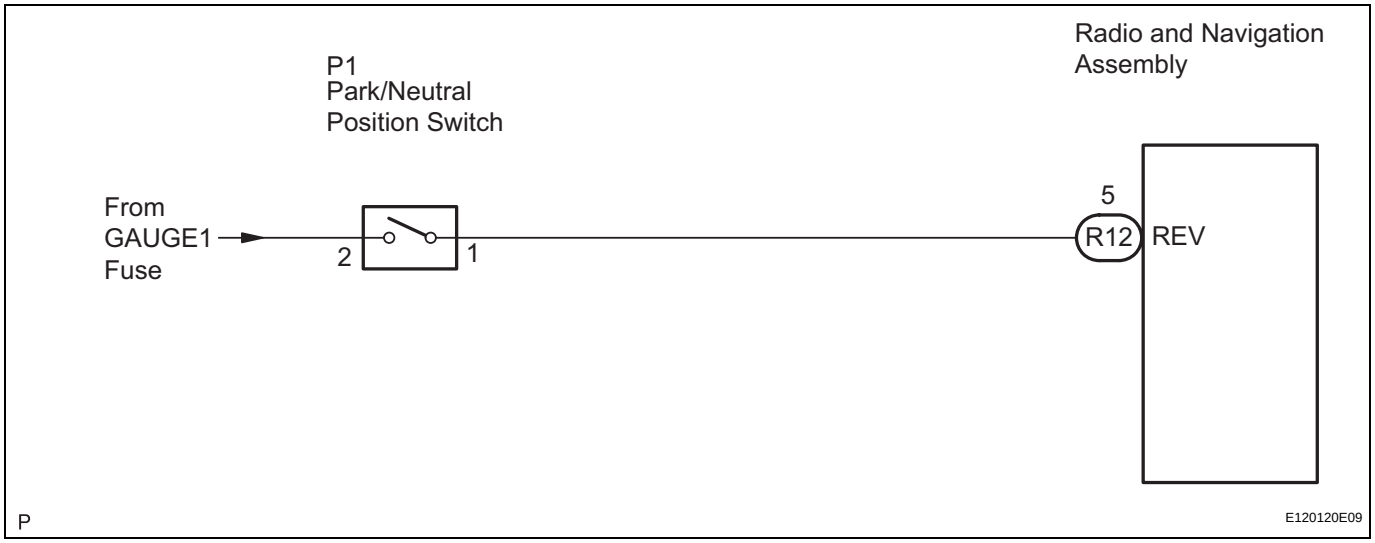
Reverse Signal Circuit

DESCRIPTION

The radio and navigation assembly receives a reverse signal from the park/neutral position switch and information about the GPS antenna, and then adjusts vehicle position.

WIRING DIAGRAM

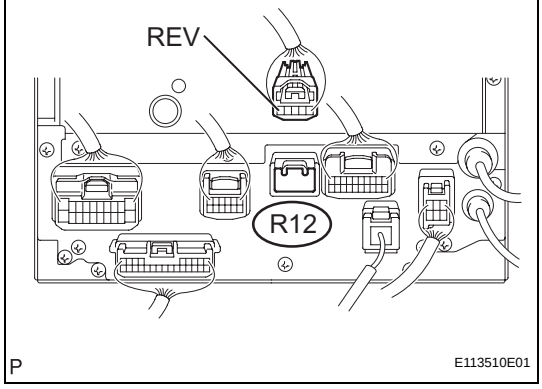


INSPECTION PROCEDURE

1	INSPECT RADIO AND NAVIGATION ASSEMBLY

NS

Wire Harness View:



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

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

Standard voltage

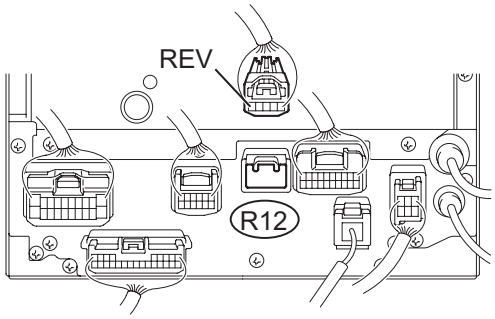
Tester connection	Condition	Specified condition
REV - Body ground	Ignition switch is ON. Shift lever is moved to R position.	10 to 14 V
REV - Body ground	Ignition switch is ON. Shift lever is moved to any position except R.	Below 1 V

OK → **REPLACE RADIO AND NAVIGATION ASSEMBLY**

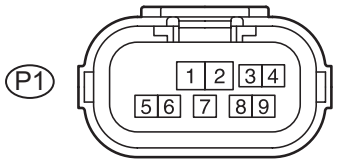
NG

2	CHECK HARNESS AND CONNECTOR (RADIO AND NAVIGATION - 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

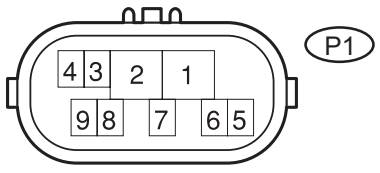
Tester connection	Condition	Specified condition
REV - P1-1	Always	Below 1 Ω
REV - Body ground	Always	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

3	INSPECT PARK / NEUTRAL POSITION SWITCH

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	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**

NS

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR