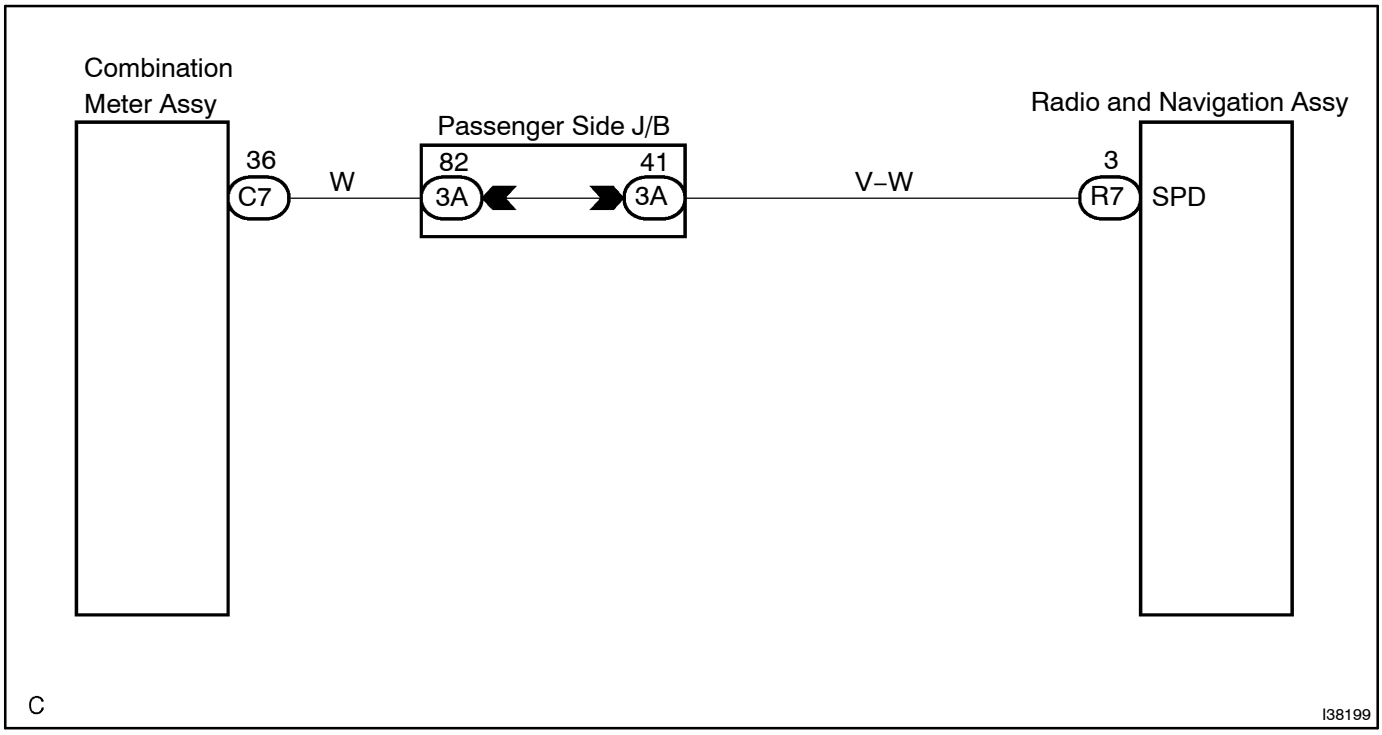
SPEED SIGNAL CIRCUIT

CIRCUIT DESCRIPTION

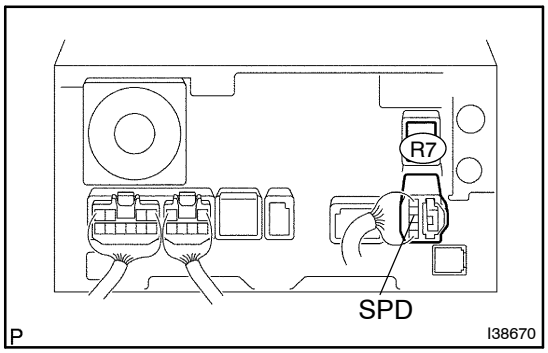
The navigation ECU (built in the radio and navigation assy) receives the vehicle speed signal and information about the GPS antenna, and then adjusts the vehicle position.

WIRING DIAGRAM



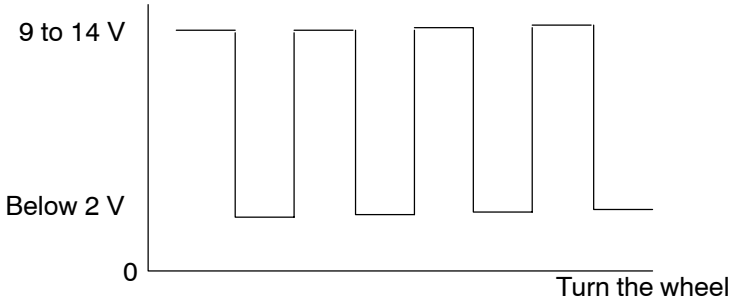
INSPECTION PROCEDURE

1	INSPECT RADIO AND NAVIGATION ASSY



(a) Disconnect the radio and navigation assy connector R7.
(b) Measure voltage.
  (1) Adjust the shift lever to the neutral position.
  (2) Jack up either one of the front wheels.
  (3) Turn ignition switch to the ON position.
  (4) Measure the voltage between terminal SPD and body ground of radio and navigation assy when the front wheels are turned slowly.

Standard: Voltage is pulsed as shown below.

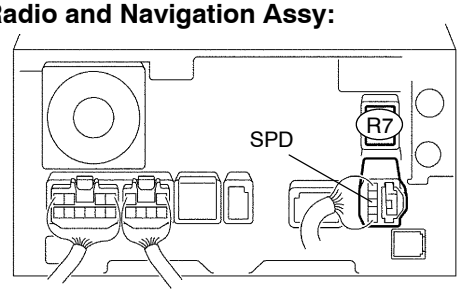


OK → **REPLACE RADIO AND NAVIGATION ASSY (SEE PUB. NO. RM915E, PAGE 67–4)**

NG

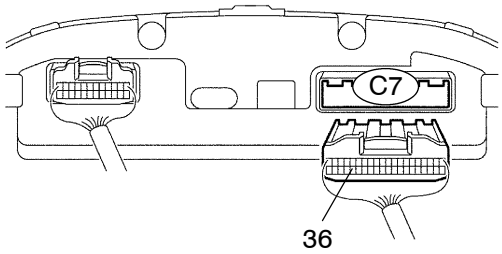
2	CHECK HARNESS AND CONNECTOR(COMBINATION METER ASSY – RADIO AND NAVIGATION ASSY)

Radio and Navigation Assy:



P I38670

Combination Meter Assy:



P I38673

(a) Disconnect the connector from the radio and navigation assy R7 and combination meter assy C7.

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

Standard:

Tester connection	Condition	Specified condition
SPD – C7–36	Always	Below 1 Ω
SPD – Body ground	Always	10 kΩ or higher

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

OK

REPLACE COMBINATION METER ASSY (SEE PUB. NO. RM915E, PAGE 71–21)