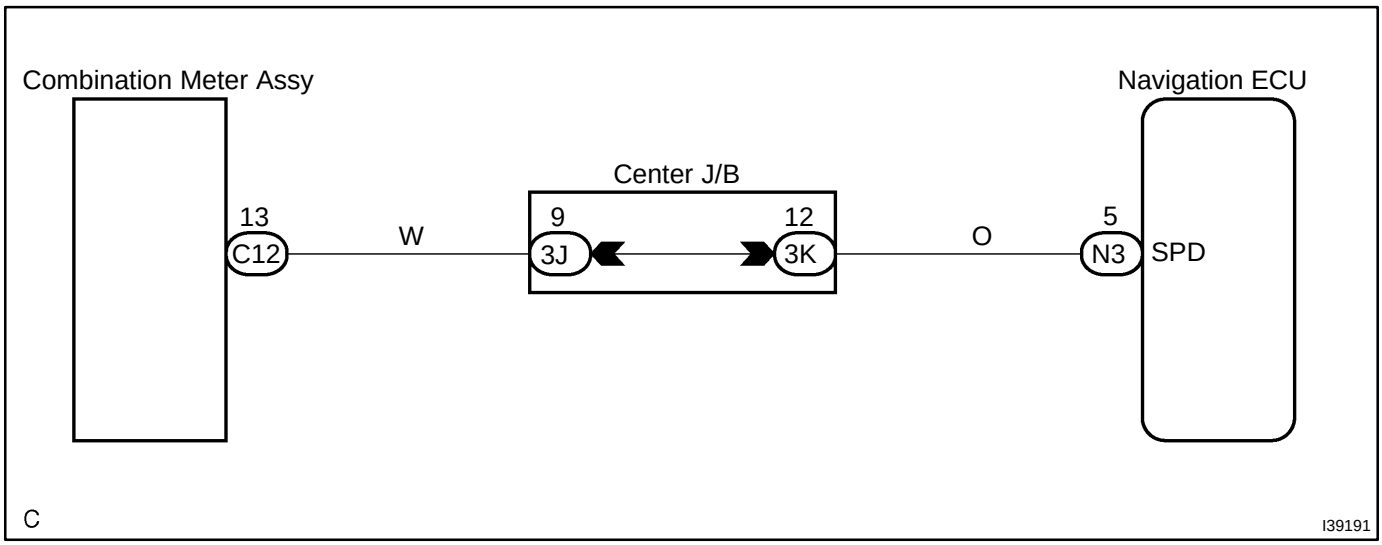
SPEED SIGNAL CIRCUIT (NAVIGATION ECU - COMBINATION METER ASSY)

CIRCUIT DESCRIPTION

The navigation ECU receives the vehicle speed signal and information about the GPS antenna, and then adjusts the vehicle position.

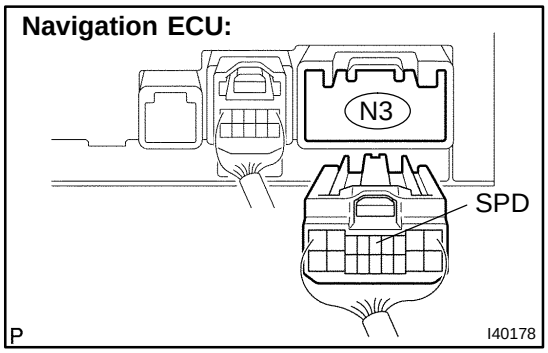
WIRING DIAGRAM



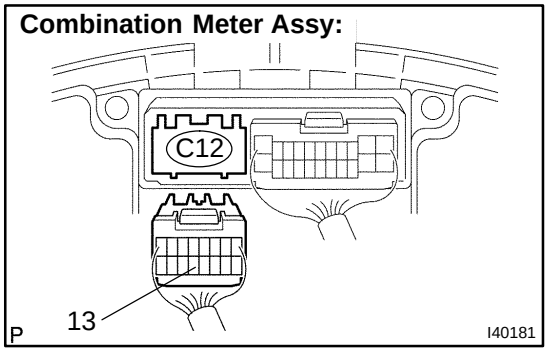
INSPECTION PROCEDURE

1	**CHECK HARNESS AND CONNECTOR(COMBINATION METER ASSY - NAVIGATION ECU)**

Navigation ECU:



Combination Meter Assy:



(a) Disconnect the connector from the navigation ECU N3 and combination meter assy C12.

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

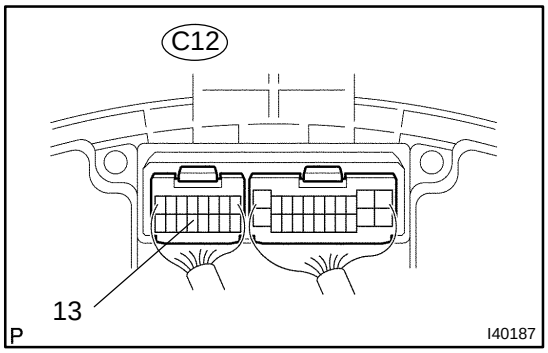
Standard:

Tester connection	Condition	Specified condition
SPD - C12-13	Always	Below 1 Ω
SPD - Body ground	Always	10 kΩ or higher

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

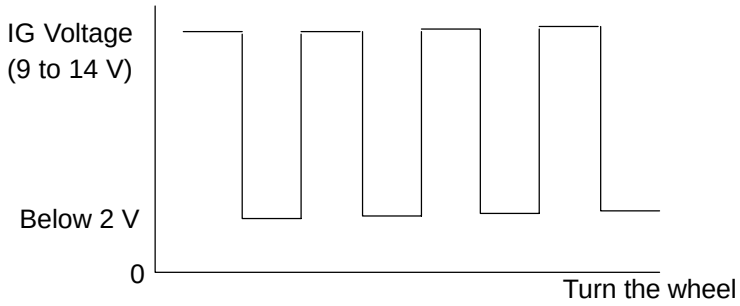
OK

2	INSPECT COMBINATION METER ASSY



(a) Connect the combination meter assy connector C12.
(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 C12-13 and body ground of combination meter assy when the front wheels are turned slowly.

OK: Voltage is pulsed as shown below.



NG → **GO TO COMBINATION METER SYSTEM (SEE PAGE 05-1868)**

OK

REPLACE NAVIGATION ECU (SEE PAGE 67-9)