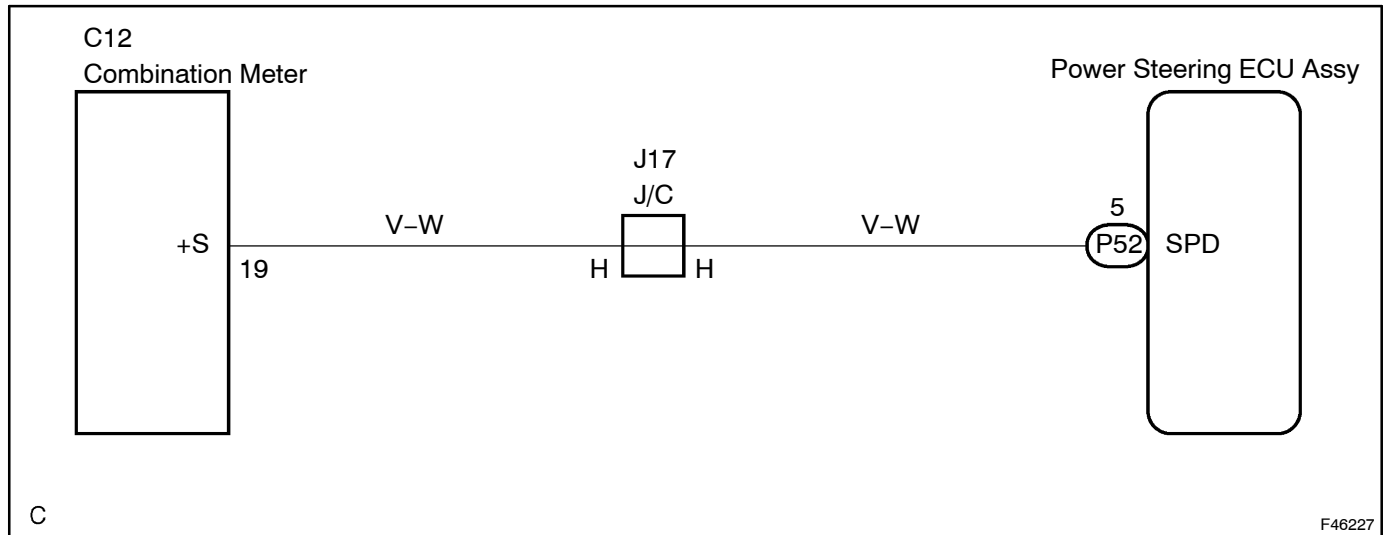


## VEHICLE SPEED SIGNAL CIRCUIT

### CIRCUIT DESCRIPTION

In the vehicle speed signal circuit, the combination meter sends a vehicle speed signal to the power steering ECU assy. The power steering ECU assy controls the output current to the PPS linear solenoid valve assy based on this signal.

### WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK OPERATION OF SPEEDOMETER

(a) Drive the vehicle and check the operation of the speedometer.

HINT:

The vehicle speed sensor is operating normally if the speedometer display is normal.

OK:

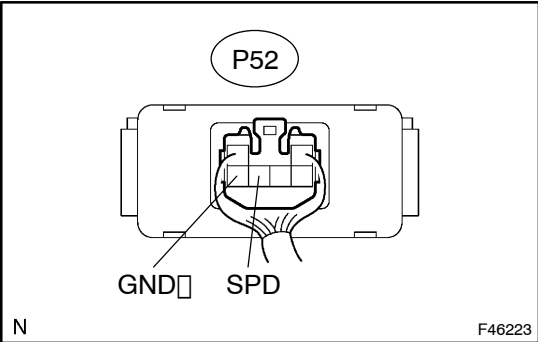
Speedometer display in the combination meter is normal.

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CHECK SPEEDOMETER CIRCUIT  
(SEE PAGE 05-2171)

OK

2 INSPECT POWER STEERING ECU ASSY (SPD VOLTAGE)



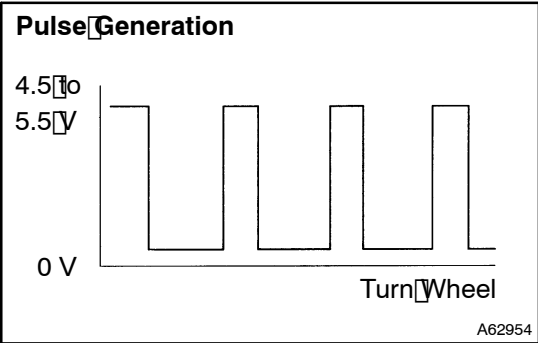
- (a) Shift the lever to neutral.
- (b) Jack up the vehicle.
- (c) Turn the ignition switch to the ON position.
- (d) Check the signal waveform according to the condition in the table below.

OK:

Tester Connection	Condition	Specified Condition
P52-5 (SPD) – P52-6 (GND)	Ignition switch ON, rotate driving wheel slowly	Pulse generation (4.5 to 5.5 V)

HINT:

The output voltage should fluctuate up and down similarly to the diagram on the left when the wheel is turned slowly.



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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE POWER STEERING ECU ASSY (SEE PAGE 51-40, 51-42)