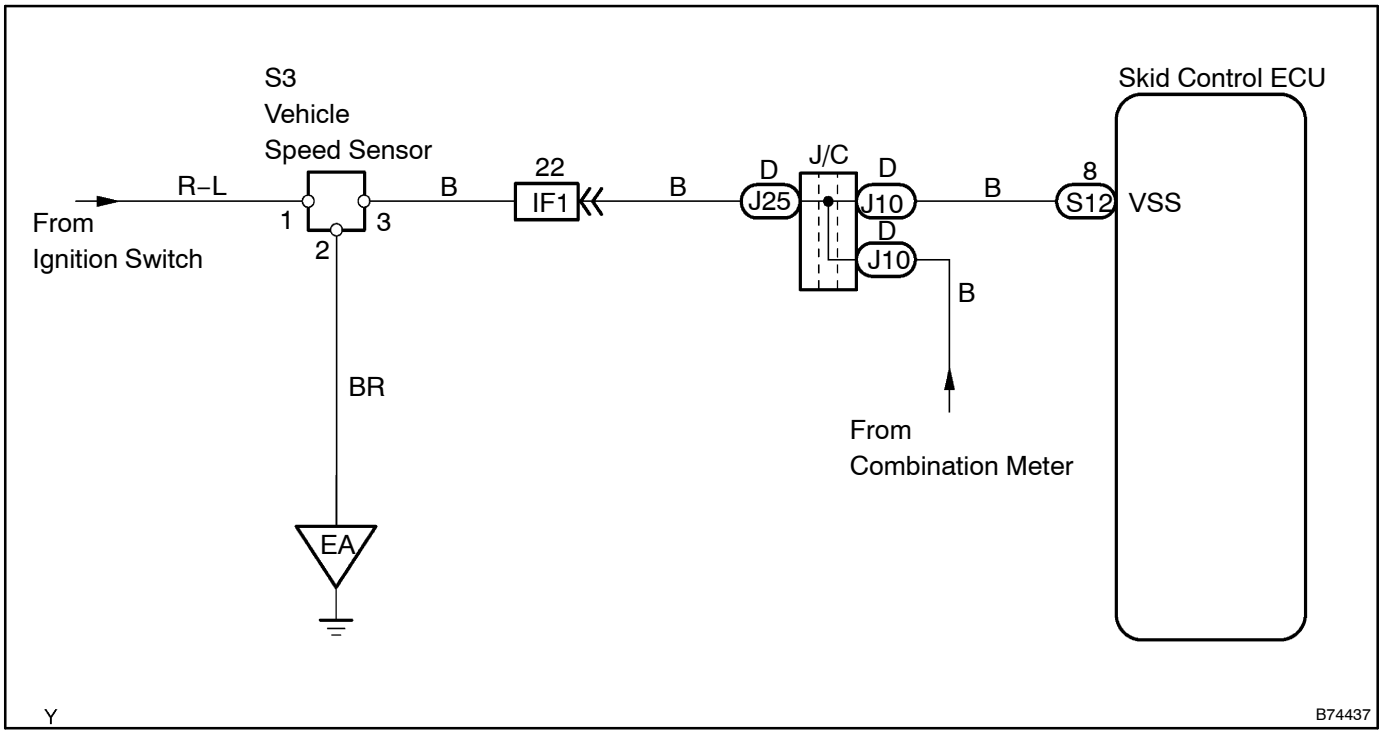
DTC	C1383/111	MALFUNCTION IN VEHICLE SPEED SENSOR

CIRCUIT DESCRIPTION

The vehicle speed sensor detects vehicle speed and sends signals to the skid control ECU.

DTC No.	DTC Detection Condition	Trouble Area
C1383/111	All conditions listed below are met and no vehicle speed signal is output for 3 sec. or more: • Engine is running • Parking brake is released • Battery voltage is normal • Vehicle speed is 20 km/h (13 mph) or more	• Vehicle speed sensor • Skid control ECU • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
As the ES starting system is controlled by the skid control ECU, a malfunction in the ABS & BA system may affect ES starting system operation. Before proceeding to the flowchart below, check for ABS & BA system's DTCs. If any of the ABS & BA system's DTCs is present, troubleshoot those DTCs first (see page 05–191).

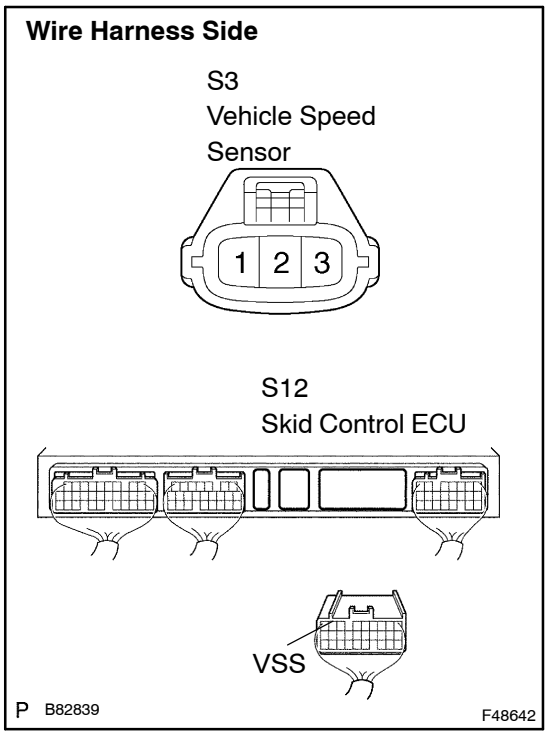
1	CHECK SPEEDOMETER

(a) Check that the speedometer is operating properly while the vehicle is being driven.

NG → **CHECK AND REPLACE COMBINATION METER (See Pub. No. RM1008E, page 71–2)**

OK

2	CHECK WIRE HARNESS (VEHICLE SPEED SENSOR – SKID CONTROL ECU, BATTERY AND BODY GROUND)



(a) Disconnect the S12 ECU connector.
(b) Disconnect the S3 vehicle speed sensor connector.
(c) Measure the voltage and resistance of the wire harness side connectors.

Standard:

Tester Connection	Condition	Specified Condition
S3–3 – S12–8 (VSS)	Always	Below 1 Ω
S3–1 – Body ground	Ignition switch ON	20 to 28 V
S3–2 – Body ground	Always	Below 1 Ω

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

OK

3	CHECK FOR DTCS

(a) Clear the DTC (see page 05–268).
(b) Drive the vehicle at the vehicle speed of 7 km/h (4 mph) or more.
(c) Check that no code is output.

NG → **REPLACE SKID CONTROL ECU**

OK

END