DTC

P0500

Vehicle Speed Sensor "A"

CIRCUIT DESCRIPTION

The speed sensor for ABS detects the wheel speed and sends the appropriate signals to the ABS ECU. The ECU converts these signals in to a 4-pulse signal and outputs it to the combination meter.

After this signal is converted into a more precise rectangular waveform by the waveform shaping circuit inside the combination meter, it is then transmitted to the ECM. The ECM determines the vehicle speed based on the frequency of these pulse signals.



DTC No.	DTC Detecting Condition	Trouble Area
P0500	No vehicle speed sensor signal to ECM under the following conditions: (1 trip detection logic) Vehicle is being driven	 Combination meter Vehicle speed sensor Open or short in speed sensor circuit ECM

WIRING DIAGRAM



DI09Y-11

INSPECTION PROCEDURE

1

Check operation of speedometer.

CHECK:

Drive the vehicle and check if the operation of the speedometer in the combination meter is normal. HINT:

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



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2 Check for short in harness and connector between terminal SPD of ECM and body ground.



PREPARATION:

(a) Remove the glove compartment (See page SF-78).

(b) Disconnect the E6 connector from the ECM.

CHECK:

Check the continuity between terminal SPD of the ECM connector and body ground.

<u>OK:</u>

No continuity (1 M Ω or higher)

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 \rangle Repair or replace harness or connector.

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