

DTC	C1779/79	CRANKSHAFT POSITION SENSOR CIRCUIT
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DTC	C1797/97	CRANKSHAFT POSITION SENSOR CIRCUIT
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CIRCUIT DESCRIPTION

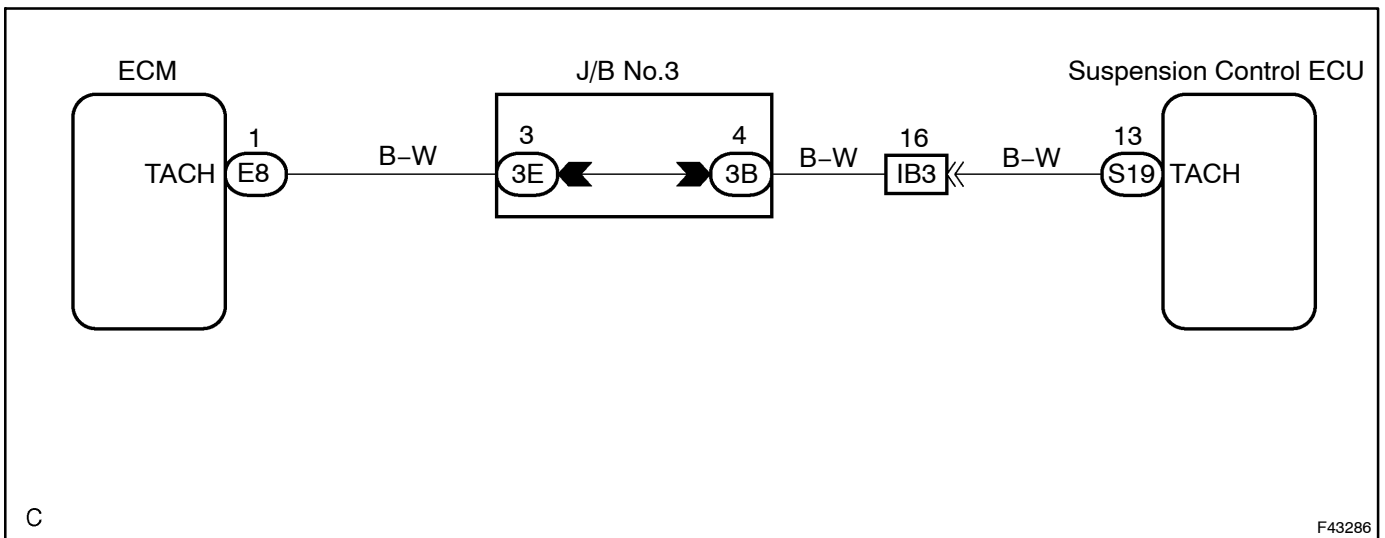
The suspension control ECU receives the engine speed signal from ECM.

DTC No.	DTC Detecting Condition	Trouble Area
C1779/79	TACH signal is not sent to suspension control ECU, and the vehicle is driven for 10 sec. or more at the speed of 30 km/h or higher.	<ul style="list-style-type: none"> • Crankshaft position sensor • Crankshaft position sensor circuit • ECM • Suspension control ECU

HINT:

When DTC C1797/97 is output, follow the same procedure as that of DTC1779/79.

WIRING DIAGRAM



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INSPECTION PROCEDURE

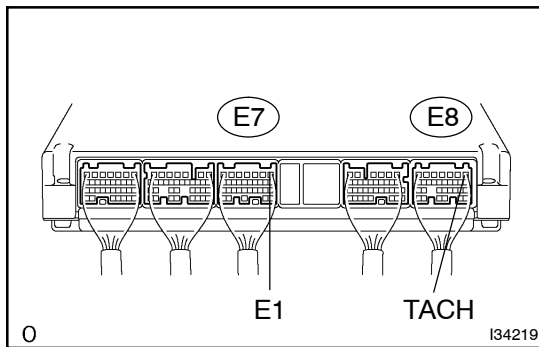
1 CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU - ECM)

- (a) Check for open and short circuit in the harness and the connector between the suspension control ECU and ECM (See page [01-36](#)).

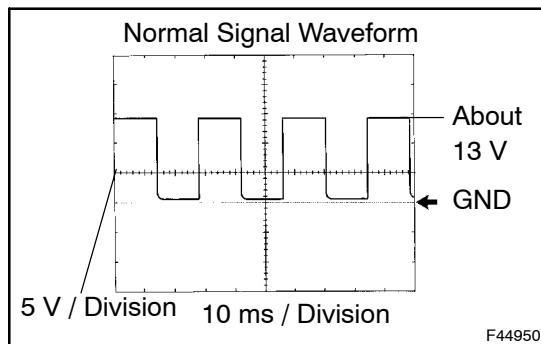
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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 INSPECT ECM(TACH OUTPUT)

- (a) Remove the ECM with connectors being connected.
 (b) Turn the ignition switch ON.
 (c) Connect an oscilloscope to terminals E8-1 (TACH) and E7-1 (E1) of the ECM harness side connector.



- (d) With the engine idling, check the signal waveform.
Standard:
Signal waveform appears as shown in the illustration.
 HINT:
 As the engine speed becomes higher, the waveform cycle gets shorter.

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CHECK AND REPLACE ECM (See page [01-36](#))

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page [01-36](#))