DTC	C1779/79	CRANKSHAFT POSITION SENSOR CIRCUIT

DTC	C1797/97	CRANKSHAFT POSITION SENSOR CIRCUIT

CIRCUIT DESCRIPTION

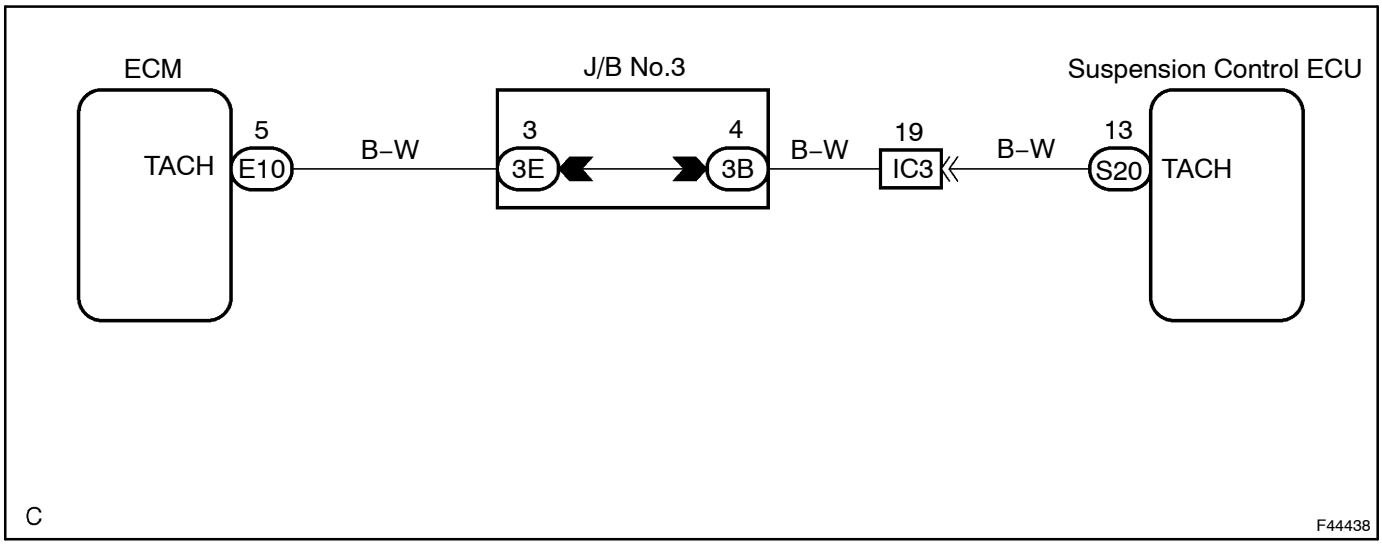
The suspension control ECU receives the engine speed signal from ECM.

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 (19 mph) or higher.	• 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



INSPECTION PROCEDURE

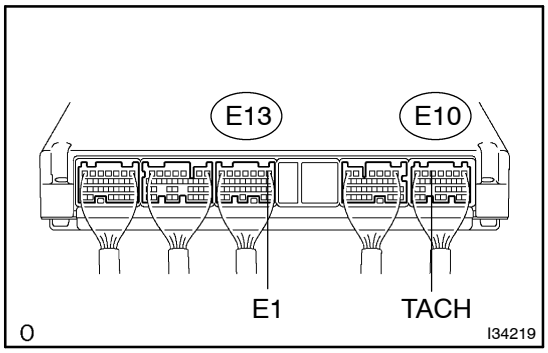
1	CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU – ECM)

(a) Check for open or short circuit in the harness and the connector between the suspension control ECU and ECM (See page 01–35).

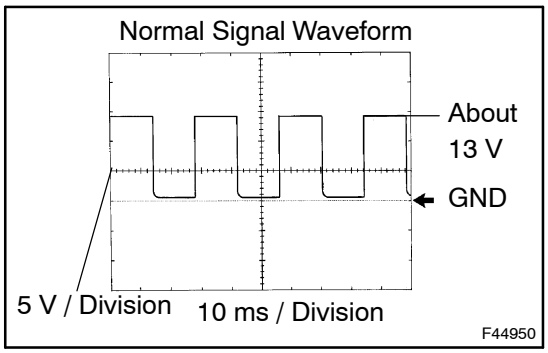
NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

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 terminal E10–5 (TACH) and E13–1 (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.

NG → REPLACE ECM

OK

REPLACE SUSPENSION CONTROL ECU