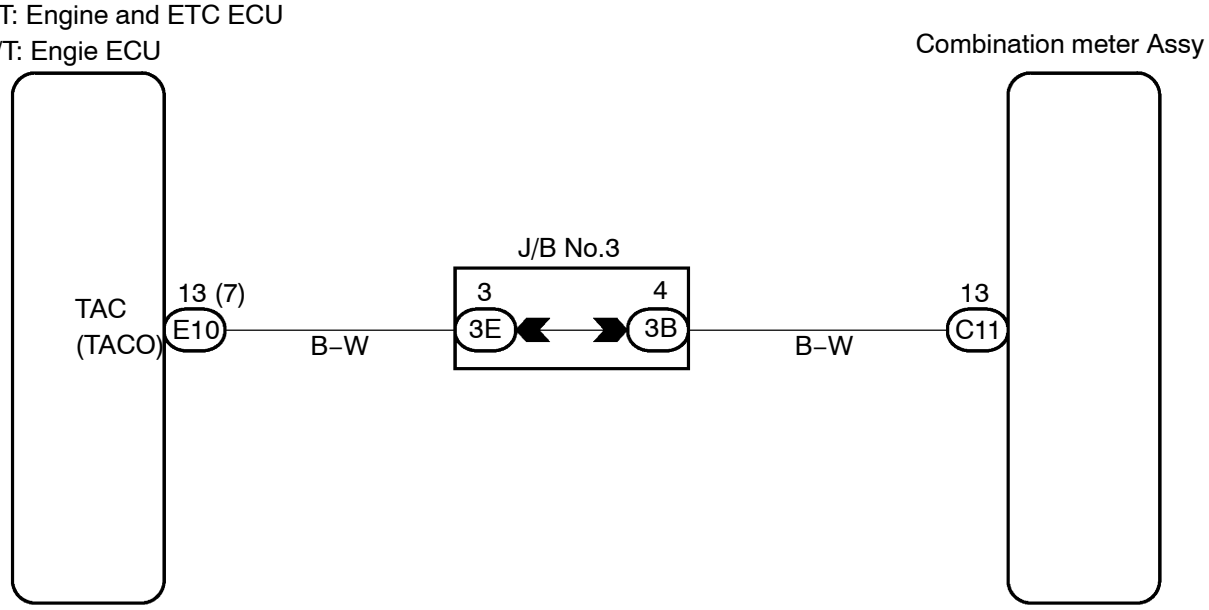
MALFUNCTION IN TACHOMETER

WIRING DIAGRAM

3RZ–FE:

A/T: Engine and ETC ECU
M/T: Engie ECU



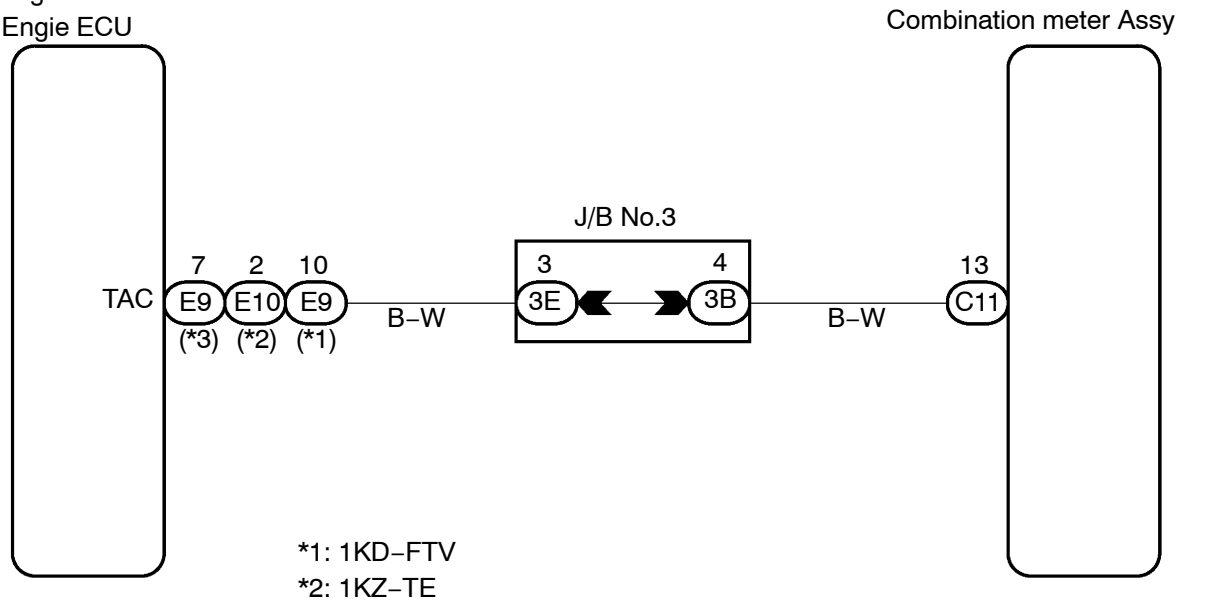
C

( ): Leaded Gasoline

I34415

Except 3RZ–FE:

A/T: Engine and ETC ECU
M/T: Engie ECU



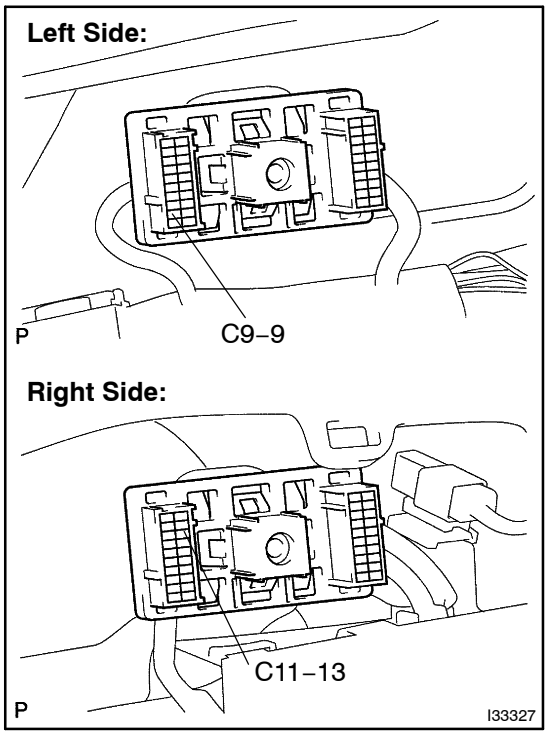
*1: 1KD–FTV
*2: 1KZ–TE
*3: 5L–E

C

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INSPECTION PROCEDURE

1	INSPECT COMBINATION METER ASSY



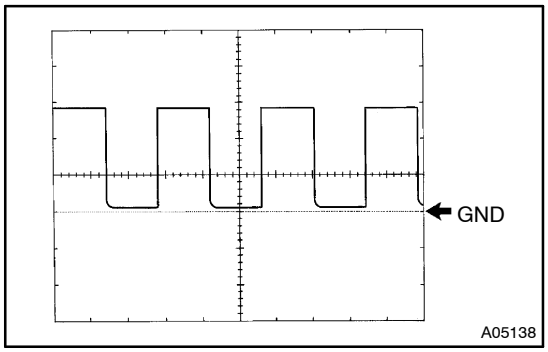
(REFERENCE) INSPECTION USING OSCILLOSCOPE

(a) Check the input signal waveform.

(1) Remove the combination meter assy.

(2) Connect the oscilloscope to the terminals C9–9 and C11–13 of combination meter connector.

(3) Start engine.



(4) Check the signal waveform.

Item	Contents
Tool setting	5 V/ DIV, 20 ms/ DV
Vehicle condition	Engine idle speed

NG → **CHECK AND REPLACE COMPUTER, ENGINE CONTROL**

OK

2	CHECK HARNESS AND CONNECTOR(BETWEEN ECM AND COMBINATION METER ASSY)

(a) Remove the combination meter assy.
(b) Disconnect the connector from ECM.
(c) Check the continuity between terminals 2, 7, 10, 13 (TAC) / 17 (TACO) of ECM and C11–13 of combination meter connector (See Page05–1554).
Standard: There is continuity.

OK → **CHECK AND REPLACE COMBINATION METER ASSY**

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR