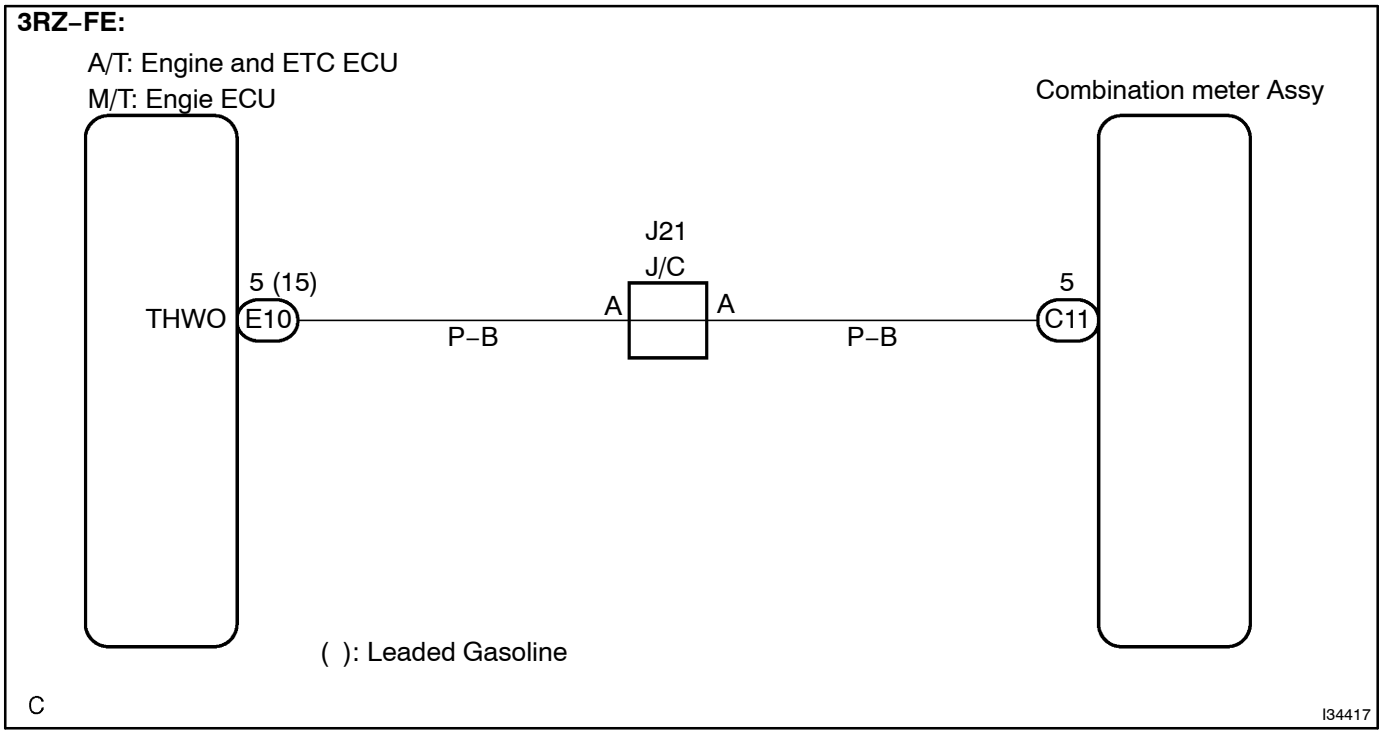
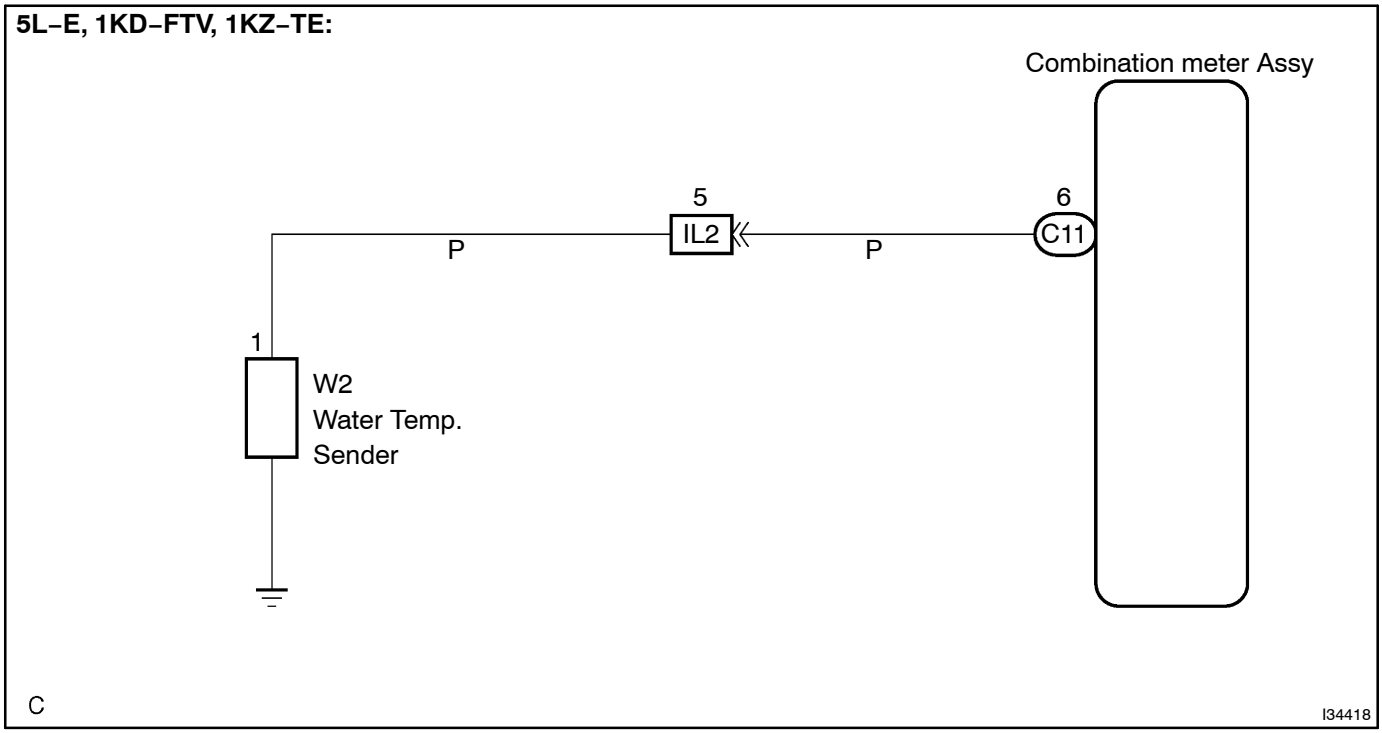
MALFUNCTION IN WATER TEMPERATURE RECEIVER GAUGE

WIRING DIAGRAM

3RZ–FE:

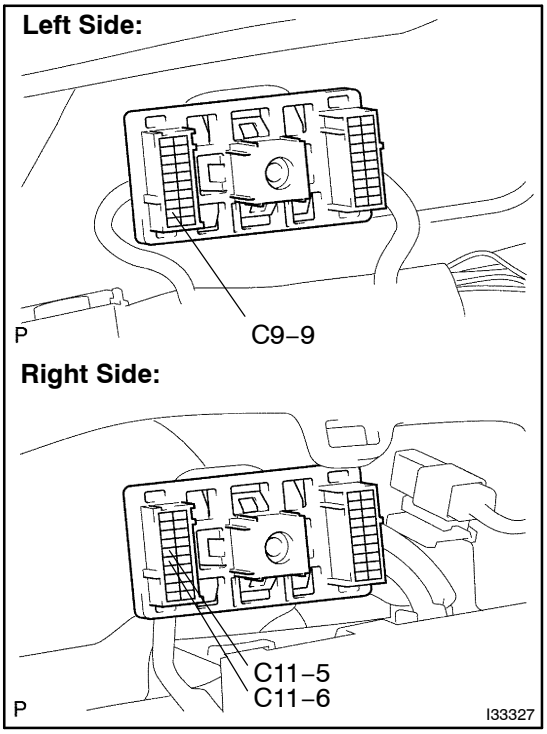


5L–E, 1KD–FTV, 1KZ–TE:



INSPECTION PROCEDURE

1	CHECK COMBINATION METER ASSY



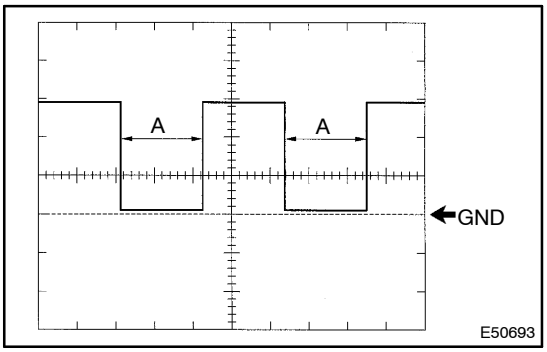
(REFERENCE) INSPECTION USING OSCILLOSCOPE

(a) Check the input signal waveform.

(1) Remove the combination meter assy.

(2) Connect the oscilloscope to the terminals C11–5, 6 and C9–9 of combination meter connector.

(3) Start engine.



(4) Check the signal waveform.

Item	Contents
Tool setting	5 V/ DIV, 100 ms/ DV
Vehicle condition	Engine idle speed

A	NG
B	OK
C	Diesel Engine

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

C → **Go to step 3**

A

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

(a) Remove the combination meter.
(b) Check the continuity between terminals 5, 15 (THWO) of ECM and C11–5 of combination meter connector(See Page05–1554).
Standard: There is continuity.

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

OK

CHECK AND REPLACE ECM

3	CHECK HARNESS AND CONNECTOR(BETWEEN WATER TEMPERATURE SENDER GAUGE ASSY AND COMBINATION METER ASSY)

(a) Remove the combination meter.
(b) Check the continuity between terminals W2–1 of water temperature sender gauge and C11–6 of combination meter connector.
Standard: There is continuity.

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

OK

CHECK AND REPLACE WATER TEMPERATURE SENDER GAGE ASSY