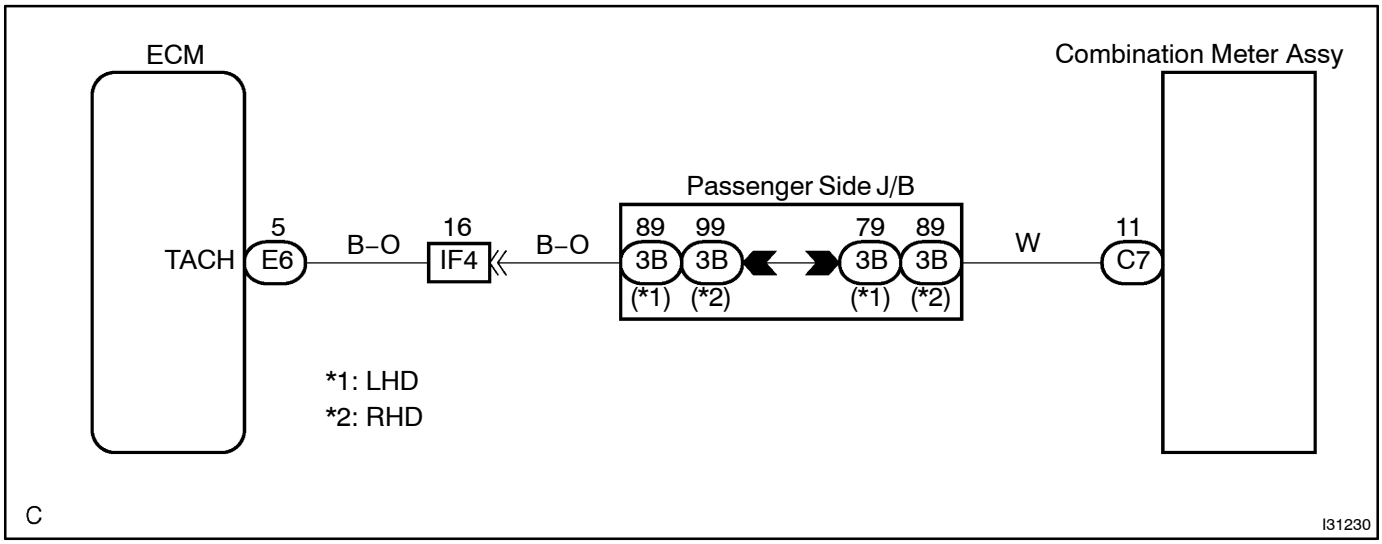
MALFUNCTION IN TACHOMETER

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF HAND–HELD TESTER

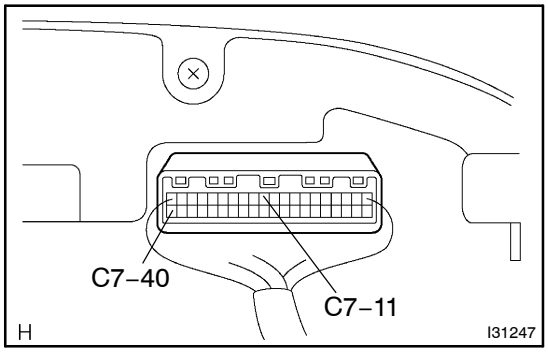
(a) Check output value of ECM.
  (1) Connect the hand–held tester to DLC3.
  (2) Turn the ignition switch to ON and push the hand–held tester main switch ON.
  (3) Select the item ”ENGINE SPD” in the DATA LIST and read its value displayed on the hand–held tester.

OK: There is almost no difference in the displayed engine rpm value.

NG → **GO TO ENGINE CONTROL SYSTEM**

OK

2	CHECK COMBINATION METER ASSY



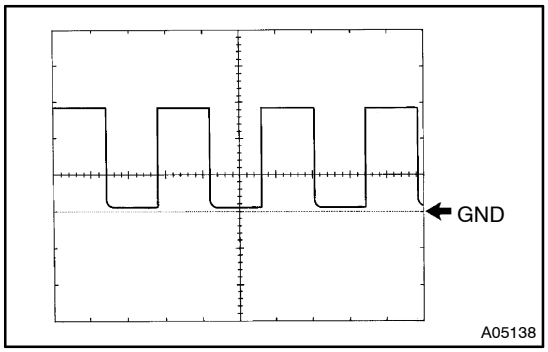
(REFERENCE) INSPECTION USING OSCILLOSCOPE

(a) Check the input signal waveform.

(1) Remove the combination meter assy with connectors still connected.

(2) Connect the oscilloscope to the terminals C7–11 and C7–40 of combination meter assy.

(3) Start engine.



(4) Check the signal waveform.

Item	Contents
Tool setting	10 V/ DIV, 20 ms/ DV
Vehicle condition	Engine idle speed

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

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR