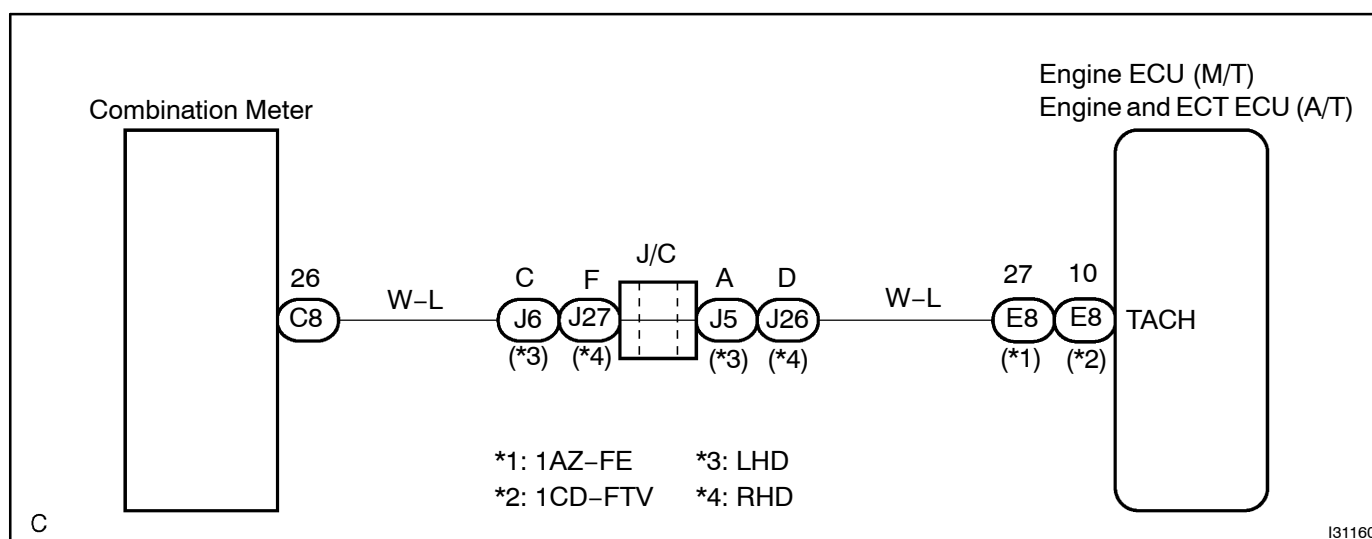


## MALFUNCTION IN TACHOMETER

### WIRING DIAGRAM



### INSPECTION PROCEDURE

#### 1 READ VALUE OF HAND-HELD TESTER

- (a) Check output value of tachometer.
- (1) Connect the hand-held tester to DLC3.
  - (2) Turn the ignition switch ON and push the hand-held tester main switch ON.
  - (3) Select the DATA LIST mode on the hand-held tester.
  - (4) When driving the vehicle, check that parameter of tachometer change on the screen of the hand-held tester.

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

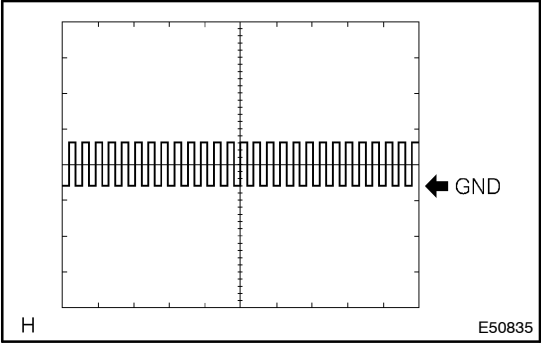
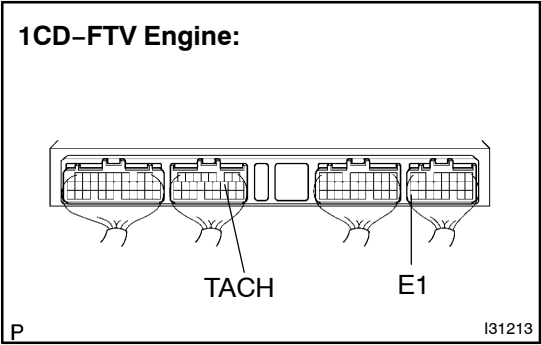
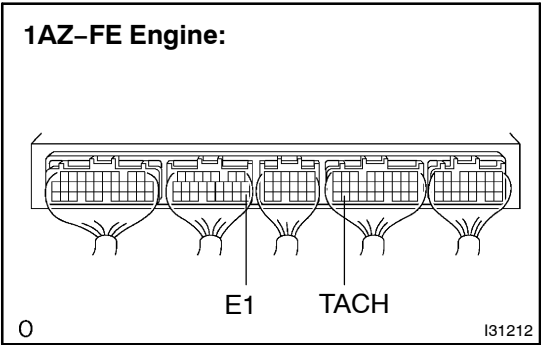
**NG**

**EFI SYSTEM**

**OK**

2

CHECK ECM



(REFERENCE) INSPECTION USING OSCILLOSCOPE

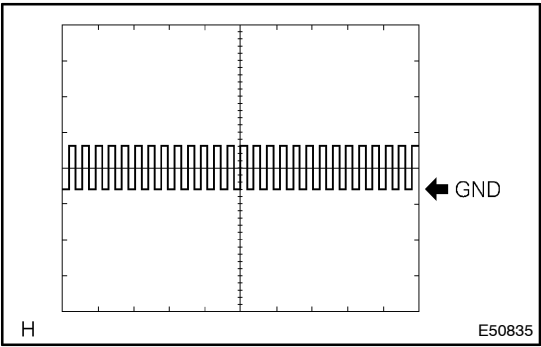
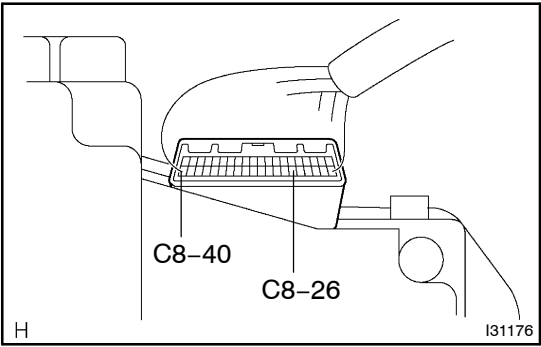
- (a) Check the output wave.
- (1) Remove the ECM with connectors still connected.
  - (2) Connect the oscilloscope to the terminals TACH and E1 of ECM.
  - (3) Start engine.
  - (4) Check the signal waveform.

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

OK

NG REPAIR OR REPLACE ECM

3 CHECK COMBINATION METER ASSEMBLY



(REFERENCE) INSPECTION USING OSCILLOSCOPE

- (a) Check the output wave.
- (1) Remove the combination meter with connectors still connected.
  - (2) Connect the oscilloscope to the terminal C8-26 of combination meter and C8-40.
  - (3) Start engine.
  - (4) Check the signal waveform.

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

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE COMBINATION METER ASSEMBLY