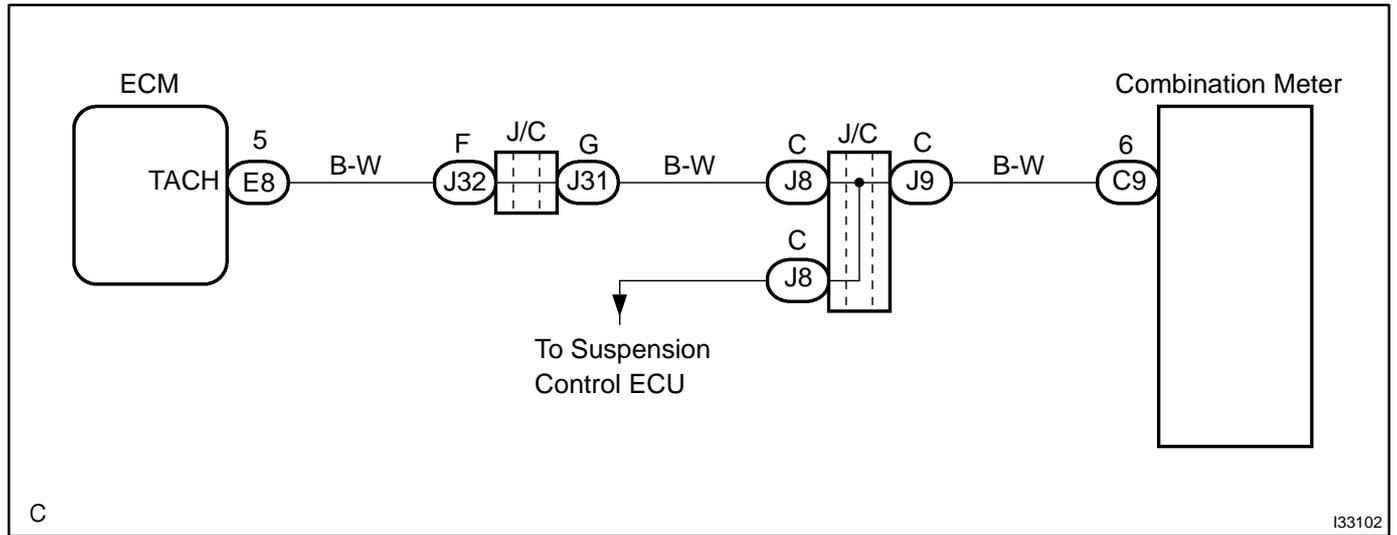


# MALFUNCTION IN TACHOMETER

## WIRING DIAGRAM

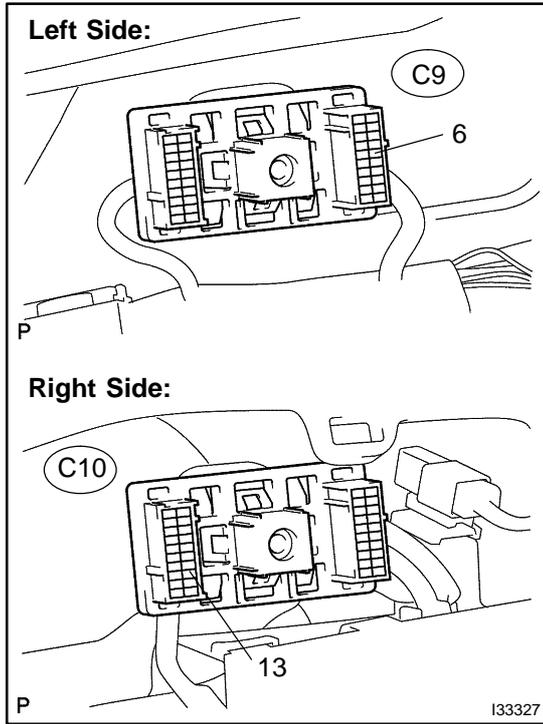


C

133102

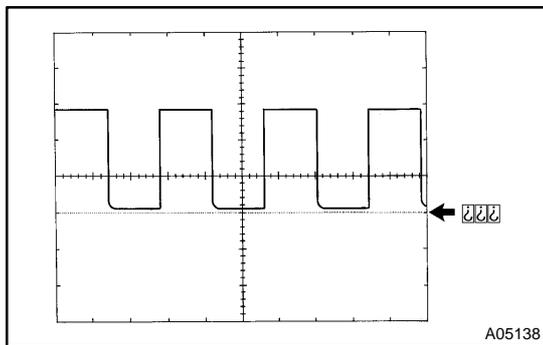
# INSPECTION PROCEDURE

## 1 CHECK ECM



### (REFERENCE) INSPECTION USING OSCILLOSCOPE

- (a) Check the input signal waveform.
  - (1) Remove the combination meter assy.
  - (2) Connect the oscilloscope to terminals C9-6 and C10-13 of the combination meter connector.
  - (3) Start engine.



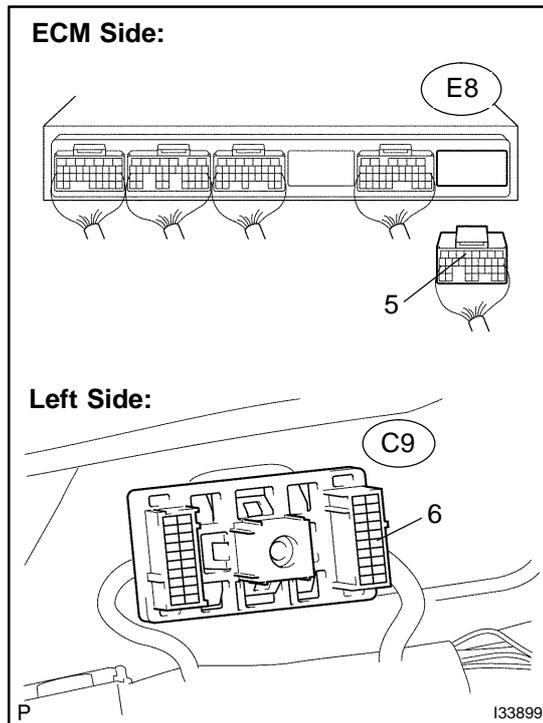
- (4) Check the signal waveform.

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

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

**NG**

## 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 E8-5 (TACH) of ECM and C9-6 of the combination meter connector.  
**Standard: There is continuity.**
- (d) Check the continuity between terminals C9-6 of combination meter connector and body ground.  
**Standard: There is no continuity.**

OK

CHECK AND REPLACE ECM

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR