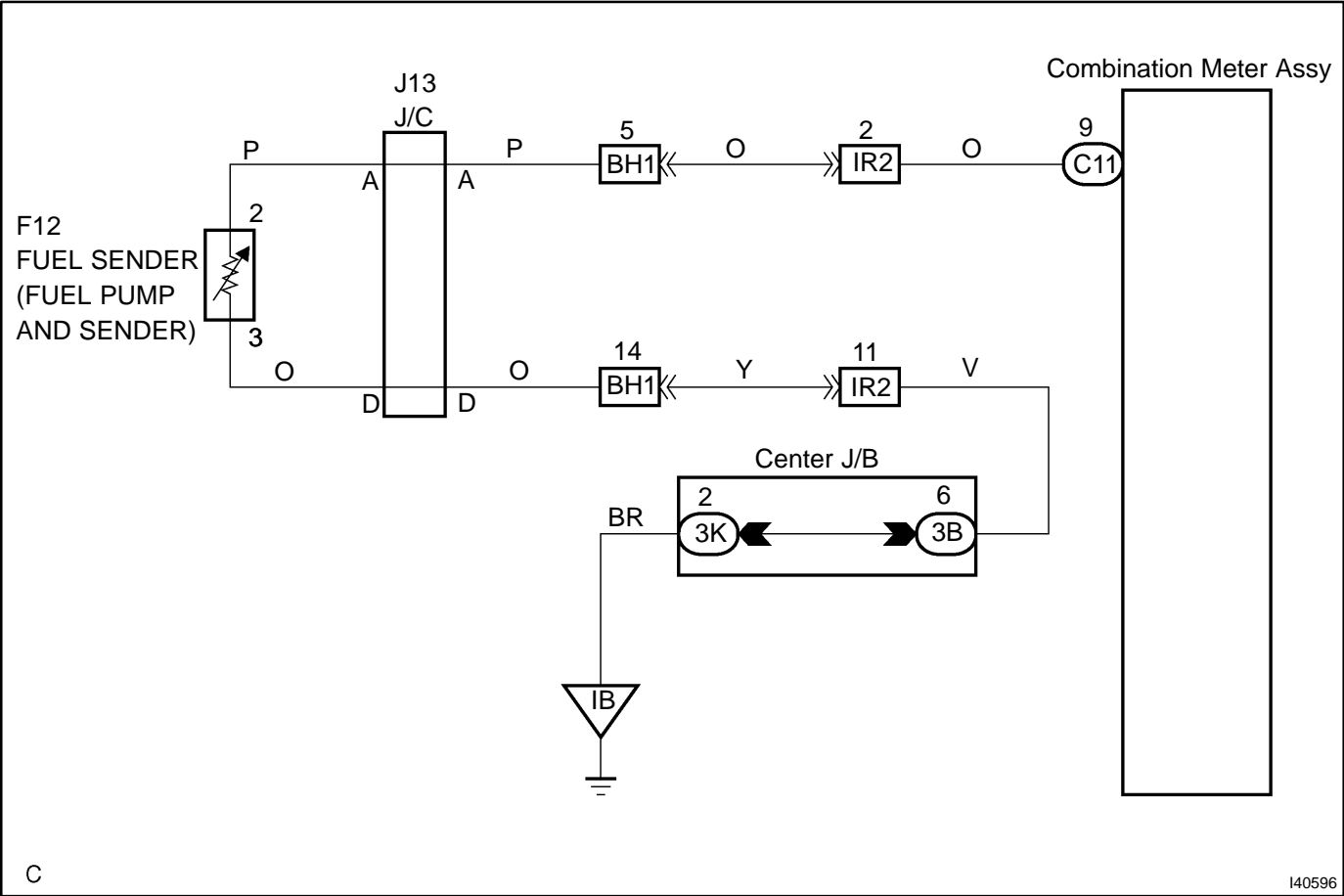


MALFUNCTION IN FUEL RECEIVER GAUGE

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTIVE TEST BY HAND-HELD TESTER

(a) Operate the hand-held tester according to the steps on the display and select the "ACTIVE TEST".

METER:

Item	Test Details	Diagnostic Note
FUEL GAUGE	OFF, EMPTY, 1/2, FULL	-

OK: Needle indication is normal.

NG

REPLACE COMBINATION METER ASSY
(SEE PAGE 71-18)

OK

2 READ VALUE OF HAND-HELD TESTER(FUEL GAUGE)

- (a) Operate the hand-held tester according to the steps on the display and select the "DATA LIST".
METER:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
FUEL GAUGE	Fuel input signal Min.: 0, Max.: 255	Fuel gauge indicates (F): 48 Fuel gauge indicates (3/4): 93 Fuel gauge indicates (1/2): 148 Fuel gauge indicates (1/4): 188 Fuel gauge indicates (E): 206	-

OK:

Fuel input signal displayed on the tester is almost the same as Needle indication.

NG

Go to step 3

OK

REPLACE COMBINATION METER ASSY(SEE PAGE 71-18)

3 INSPECT FUEL SENDER GAUGE ASSY

Fuel Sender Gauge
Connector Front View:



1e-5-1-A

I30899

- (a) Measure the voltage according to the value(s) in the table below.

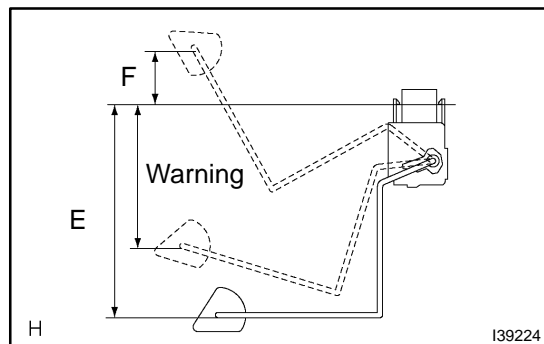
Standard:

Tester Connection	Condition	Specified Condition
F20-1 - F20-3	Ignition switch ACC or ON	Below 1 to 5 V

- (b) Remove the fuel sender gauge assy.
 (c) Connect the fuel sender gauge connector.
 (d) Check that the float position is between E and F.
 (e) Measure the voltage between the terminals 2 and 1 of connector according to the value(s) in the table below.

Standard:

Float level	Float position mm (in.)	Voltage (V)
F	-34.8 (-1.37) ± 3 (0.12)	4.5 to 4.75
1/2	92.8 (3.65) ± 3 (0.12)	1.41 ± 1.61
Warning	137.0 (5.39) ± 3 (0.12)	0.20 to 0.45



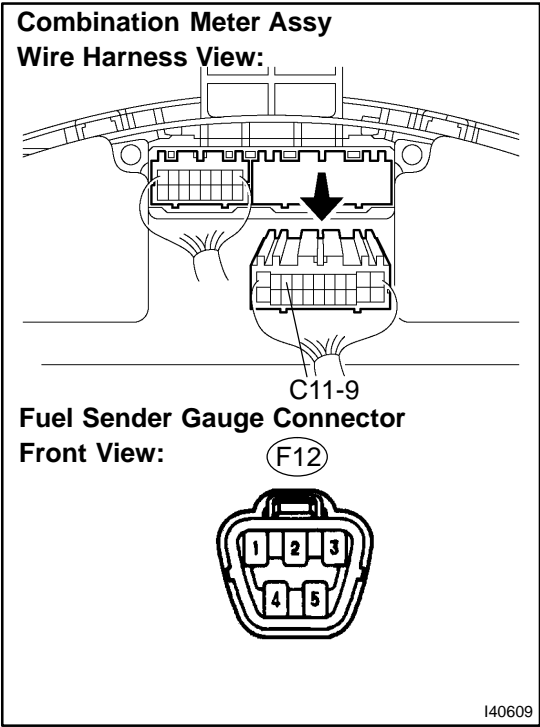
NG

REPLACE FUEL SENDER GAUGE ASSY

OK

4

CHECK HARNESS AND CONNECTOR(FUEL SENDER GAUGE ASSY - COMBINATION METER ASSY)(SEE PAGE 01-26)



- (a) Disconnect the F12 and C11 connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
C11-9 - F12-2	Always	Below 1 Ω
F12-3 - Body ground	Always	Below 1 Ω
F11-9 - Body ground	Always	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

END