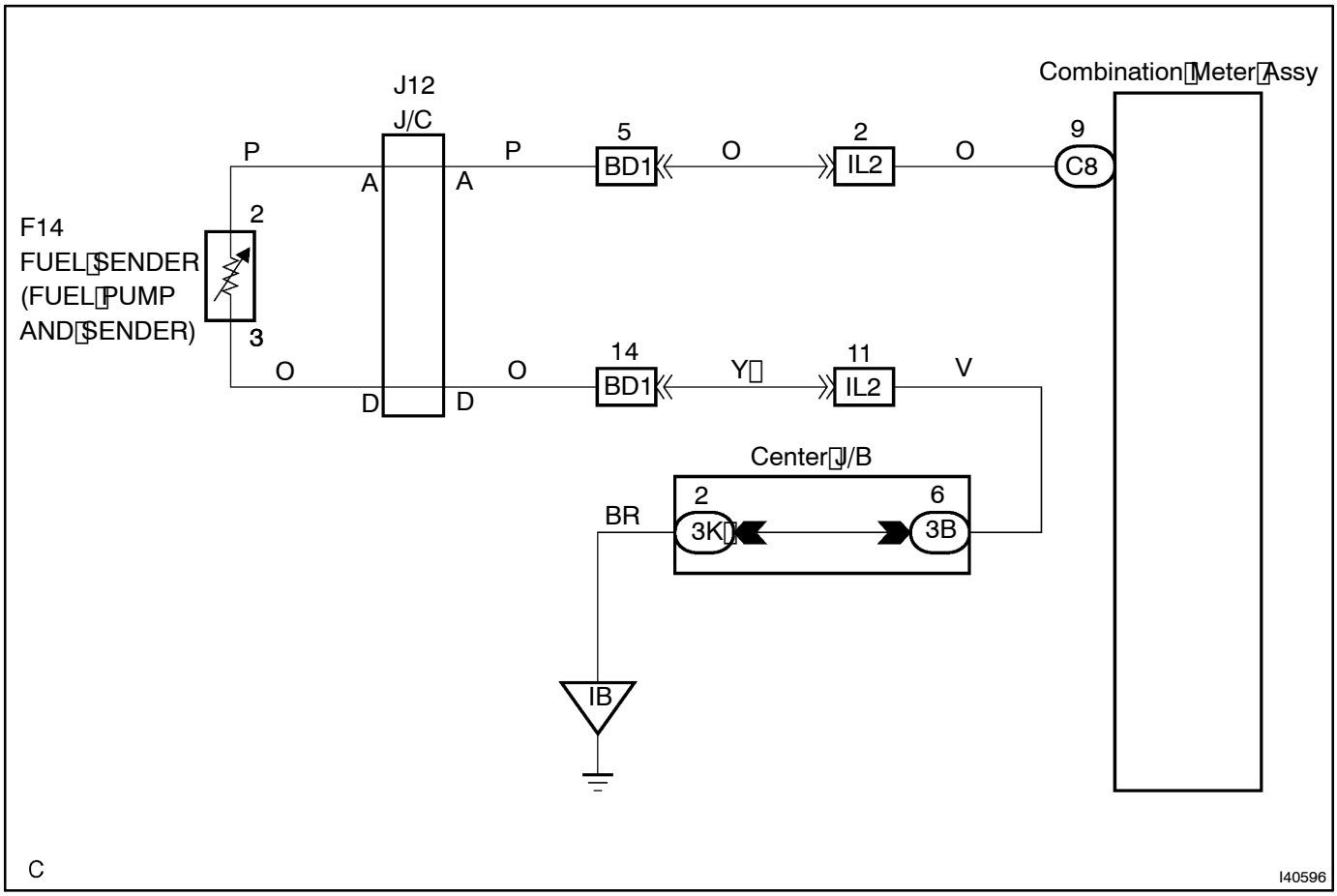
MALFUNCTION IN FUEL RECEIVER GAUGE

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER II

(a) Operate the Intelligent Tester II according to the steps on the display and select the "ACTIVE TEST".

METER:

Item	Test Details	Diagnostic Note
FUEL GAUGE	FULL, METER F, 3/4, 1/2, 1/4, METER EMPTY	–

OK: Needle indication is normal.

NG → **REPLACE COMBINATION METER ASSY (SEE PAGE 71–17)**

OK

2	READ VALUE OF INTELLIGENT TESTER II (FUEL GAUGE)

(a) Operate the Intelligent Tester II 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.: 1, 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:

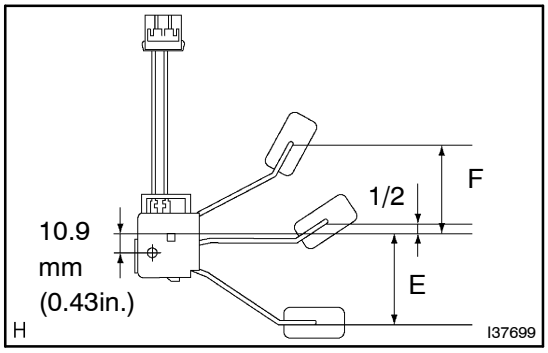
Fuel input signal displayed on the tester is almost the same as Needle indication.

NG → **Go to step 3**

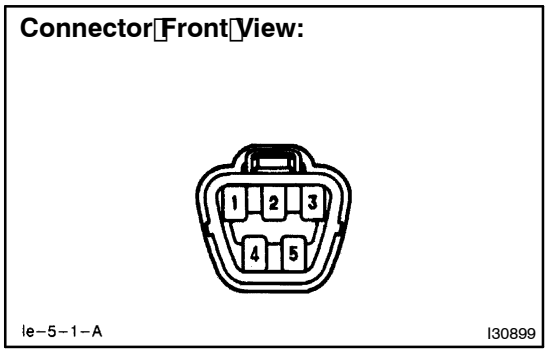
OK

REPLACE COMBINATION METER ASSY (SEE PAGE 71–17)

3	INSPECT FUEL SENDER GAUGE ASSY



(a) Remove the fuel sender gauge assy.



(b) Check that the float position is between E and F and measure resistance between the terminals 2 and 3 of connector.

(c) Measure the resistance according to the value(s) in the table below.

Standard:

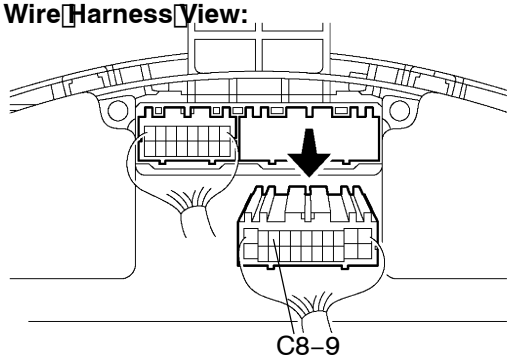
Float level	Float position mm (in.)	Resistance (Ω)
F	81.5 (3.21) ± 3 (0.12)	4.0 ± 1
1/2	21.8 (0.86) ± 3 (0.12)	59 ± 3
E	102.2 (4.02) ± 3 (0.12)	110.0 ± 1

NG → **REPLACE FUEL SENDER GAUGE ASSY**

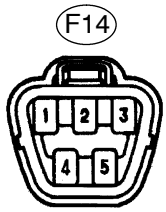
OK

4	CHECK HARNESS AND CONNECTOR(FUEL SENDER GAUGE ASSY – COMBINATION METER ASSY)(SEE PAGE 01–23)

Combination Meter Assy
Wire Harness View:



Fuel Sender Gauge Connector
Front View:



I40609

(a) Disconnect the F14 and C8 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
C8–9 – F14–2	Always	Below 1 Ω
F14–3 – Body ground	Always	Below 1 Ω
F11–9 – Body ground	Always	10 kΩ or higher

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

OK

END