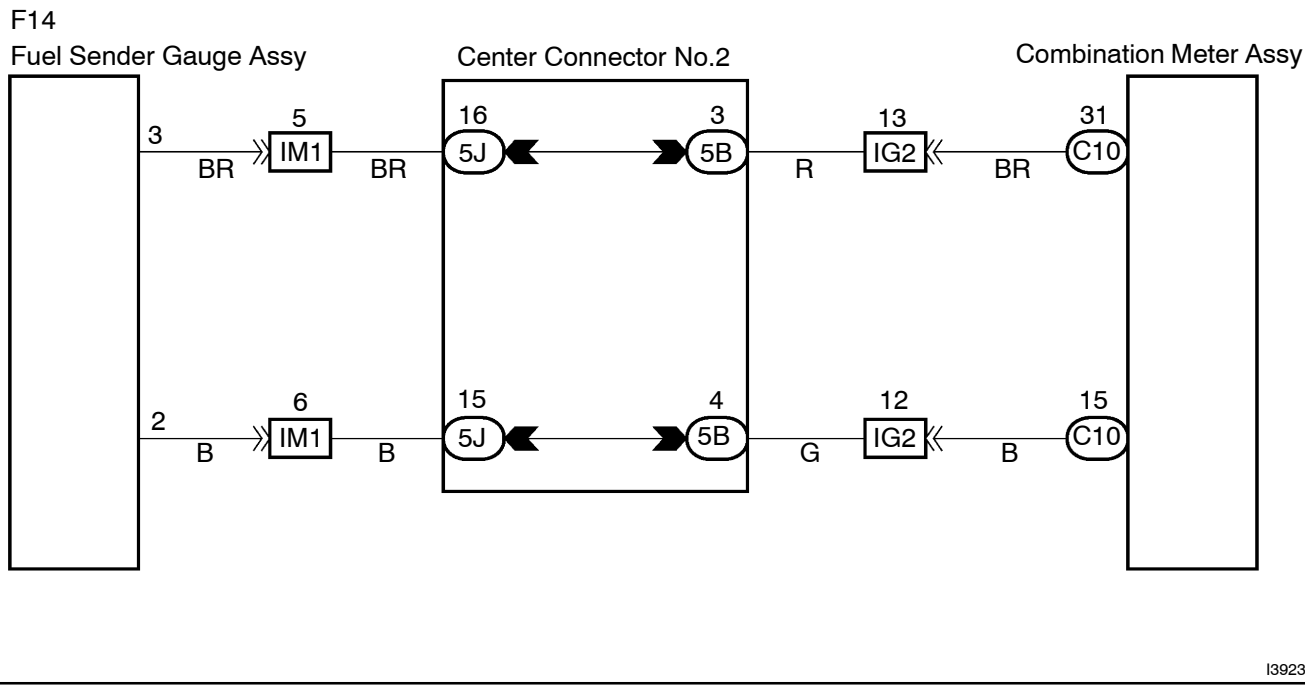
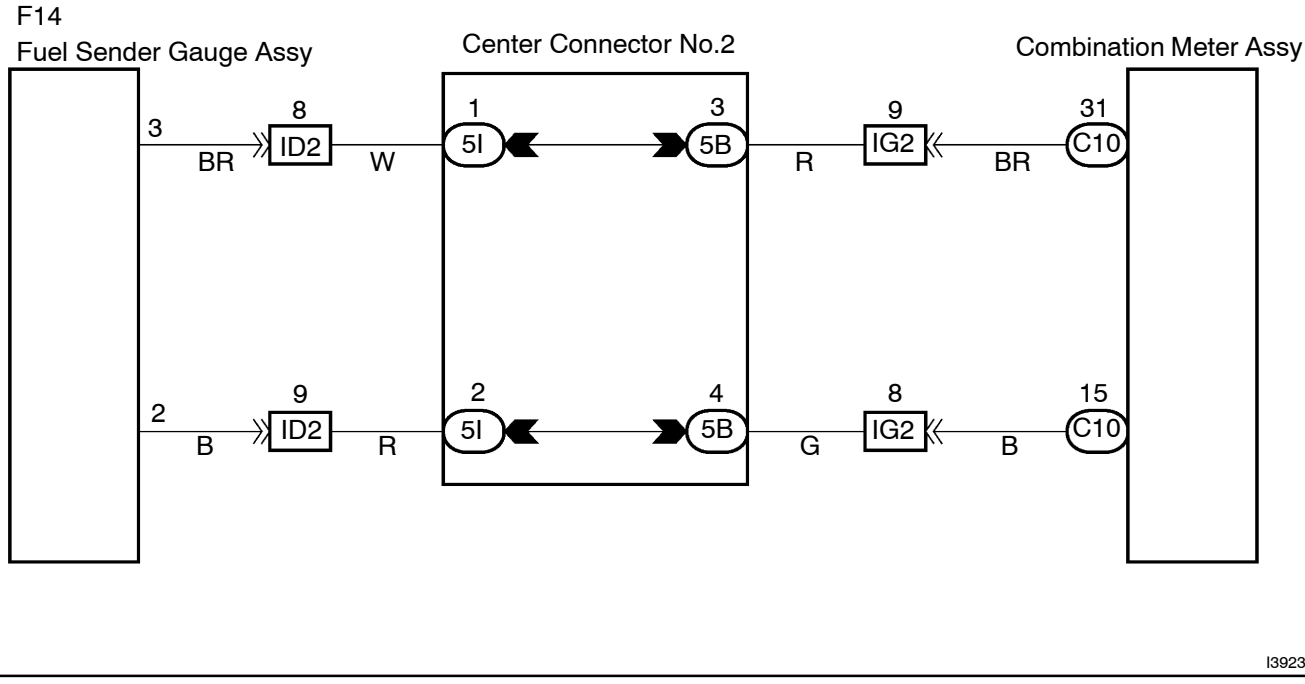
MALFUNCTION IN FUEL RECEIVER GAUGE

WIRING DIAGRAM

LHD Models:

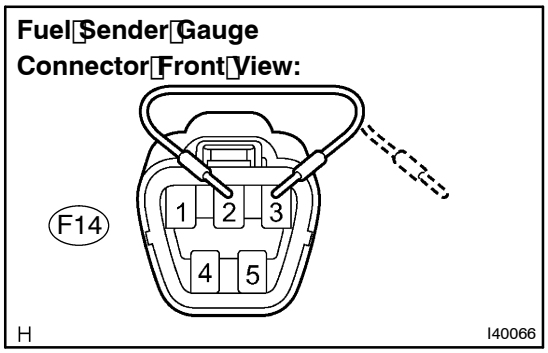


RHD Models:



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR



(a) Disconnect the fuel sender gauge connector.
(b) Check the needle indications according to the table below.

Standard:

Wire Connection	Condition	Specified Condition
2 to 3	Short circuit (Power switch ON (ACC or IG))	Fuel gauge indicates "F"
2 to 3	Open circuit (Power switch ON (ACC or IG))	Fuel gauge indicates "EMPTY"

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

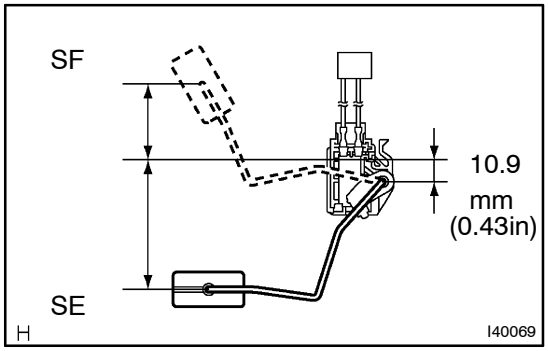
Standard:

Tester Connection	Condition	Specified Condition
F14–2 – Body ground	Power switch ON (IG)	4 to 7 V

NG → **Go to step 3**

OK

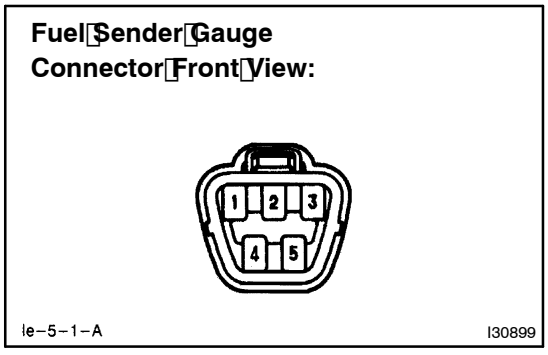
2 INSPECT FUEL SENDER GAUGE



(a) Remove the fuel sender gauge assy.
(b) Check that the float position is between E and F.
(c) Measure the voltage between terminals 2 and 3 of the connector according to the value(s) in the table below.

Standard:

Float Level	Float position mm (in.)	Resistance (Ω)
SF	38.7 (1.52) ± 2.5 (0.10)	4.0 ± 1
SE	69.6 (2.74) ± 2.5 (0.10)	110.0 ± 2.5



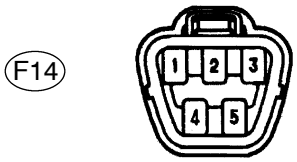
NG → **REPLACE FUEL SENDER GAUGE**

OK

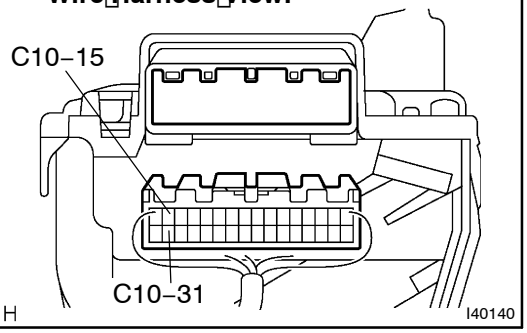
REPLACE COMBINATION METER ASSY (SEE PAGE 71–19)

3	CHECK HARNESS AND CONNECTOR(BETWEEN FUEL SENDER GAUGE ASSY AND COMBIATION METER ASSY)(SEE PAGE 01–36)

Fuel Sender Gauge Wire Harness View:



Combination Meter Assy Wire Harness View:



(a) Disconnect the C10 and F14 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
C10–31 – F14–3	Always	Below 1 Ω
C10–15 – F14–2	Always	Below 1 Ω
C10–15 – Body ground	Always	10 kΩ or higher

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

OK

REPLACE COMBINATION METER ASSY(SEE PAGE 71–19)