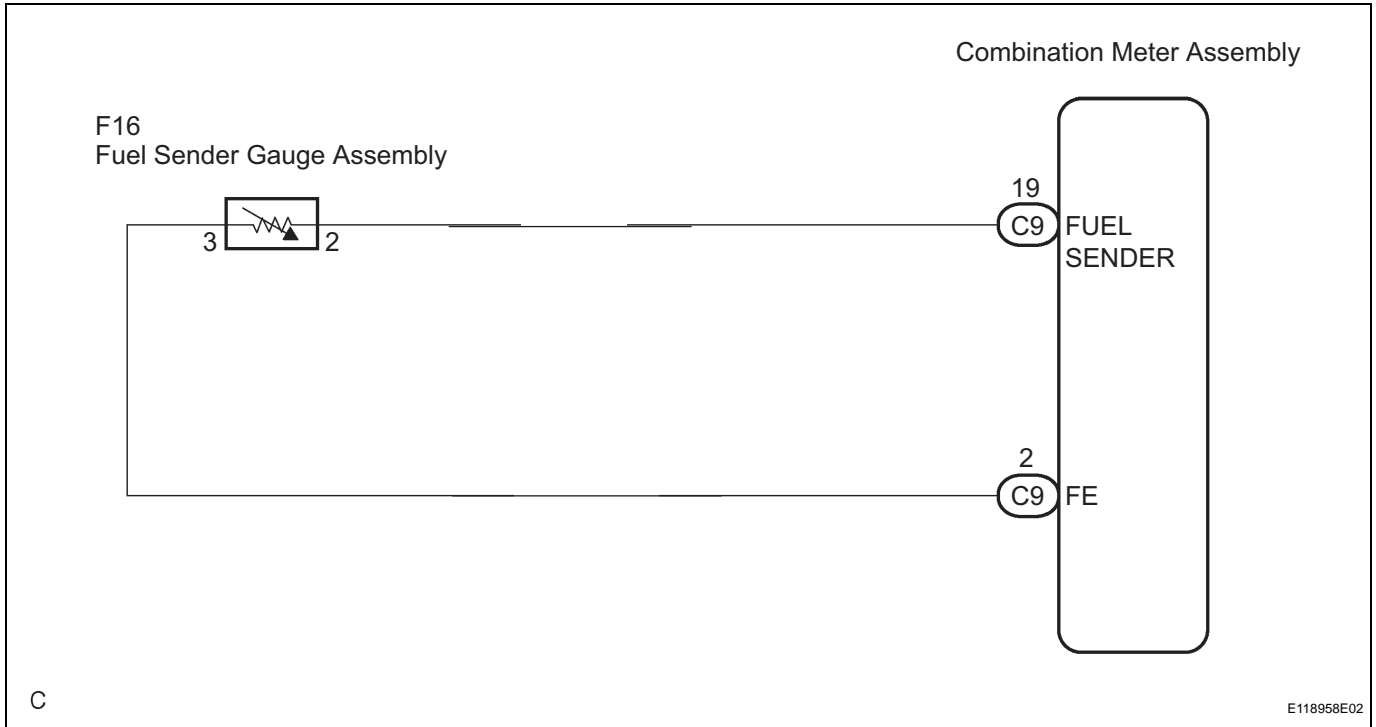


# Fuel Receiver Gauge Malfunction

## WIRING DIAGRAM



### 1 PERFORM ACTIVE TEST BY INTELLIGENT TESTER

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

**METER:**

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

**OK:**

Needle indication is normal.

NG

**REPLACE COMBINATION METER ASSEMBLY**

OK

ME

**2 READ VALUE OF INTELLIGENT TESTER**

- (a) Operate the intelligent tester according to the steps on the display and select "DATA LIST".

**METER:**

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

**OK:**

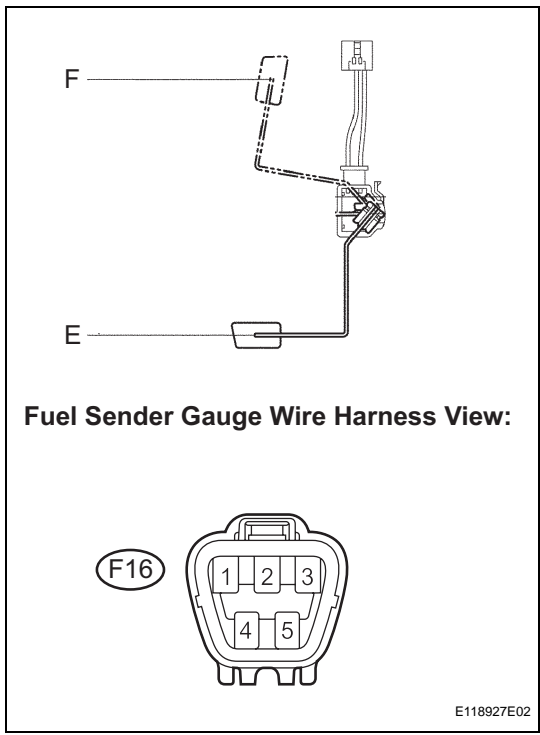
Fuel value signal displayed on the tester is almost the same as needle indication.

**OK** → **REPLACE COMBINATION METER ASSEMBLY**

**NG**

**3 INSPECT FUEL SENDER GAUGE ASSEMBLY**

**ME**



- (a) Remove the fuel sender gauge assembly.
- (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.

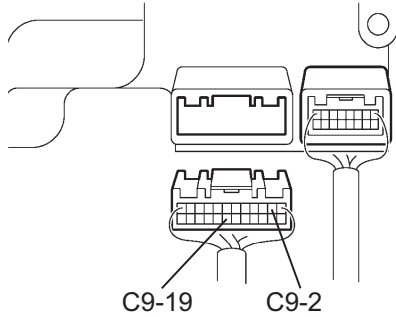
Tester level	Resistance (Ω)
F	3.0 to 5.0
E	109.0 to 111.0

**NG** → **REPLACE FUEL SENDER GAUGE ASSEMBLY**

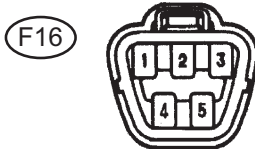
**OK**

**4 CHECK HARNESS AND CONNECTOR (BETWEEN COMBINATION METER AND FUEL SENDER GAUGE)**

Combination Meter Assembly:



Fuel Sender Gauge:



E118959E01

- (a) Disconnect the C9 connector and fuel tank wire.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard Resistance**

Tester Connection	Condition	Specified Condition
C9-19 (FUEL SENDER) - F16-2	Always	Below 1 Ω
C9-2 (FE) - F16-3	Always	Below 1 Ω
C9-19 (FUEL SENDER) - Body ground	Always	10 kΩ or higher
C9-19 (FE) - Body ground	Always	10 kΩ or higher

**NG REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**ME**

**REPLACE COMBINATION METER**