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INSTRUMENTATION DRIVER INFO

General Description

INSTRUMENTATION/DRIVER INFO

1. General Description

A: SPECIFICATION

	Model	Except for STI model	STI model
Combination meter	Speedometer	Electric pulse type	Stepping motor type
	Engine coolant temperature gauge	Cross coil type	Stepping motor type
	Fuel gauge	Cross coil type	Stepping motor type
	Tachometer	Electric pulse type	Stepping motor type
	Turn signal indicator light	14 V — 1.4 W	LED
	Charge indicator light	14 V — 1.4 W	LED
	Oil pressure warning light		LED
	ABS warning light		LED
	Malfunction indicator light		LED
	HI-beam indicator light	14 V — 1.4 W	LED
	Door open warning light		LED
	Seat belt warning light		LED
	Brake fluid and parking brake warning light	14 V — 1.4 W	LED
	AWD indicator light	LED	—
	AIRBAG warning light		LED
	Meter illumination light	14 V — 3 W, 14 V — 2 W	LED
	AT OIL TEMP. warning light	LED	—
	Security indicator light		LED
	Cruise set indicator light	14 V — 1.4 W	LED
	Cruise indicator light	14 V — 1.4 W	LED
	Low fuel warning light		LED
	AT select lever position indicator light	14 V — 100 mA	—
	Intercooler water spray warning light	—	LED
	Rear differential oil temperature warning light	—	LED
	Driver's control center differential indicator light	—	LED
	REV indicator light	—	LED
Light illumination indicator light	—	LED	
LCD back light	14 V — 1.4 W	LED	

B: CAUTION

- Be careful not to damage the meters and instrument panel.
- Be careful not to damage the meter glass.
- Make sure the electrical connector is connected securely.
- After installation, make sure that each meter operates normally.
- Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.
- Do not apply an excessive force on the printed circuit.
- Do not drop or otherwise apply impact.

C: PREPARATION TOOL

1. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance and voltage.

2. Combination Meter System

A: WIRING DIAGRAM

1. COMBINATION METER

<Ref. to WI-152, WIRING DIAGRAM, Combination Meter System.>

2. OUTSIDE TEMPERATURE INDICATOR

<Ref. to WI-165, WIRING DIAGRAM, Outside Temperature Display System.>

B: INSPECTION

CAUTION:

When measuring the voltage and resistance of the ECM, TCM and each sensor, use a tapered pin with a diameter of less than 0.64 mm (0.025 in) in order to avoid poor contact. Do not insert the pin more than 2 mm (0.08 in).

1. SYMPTOM CHART

Symptom	Repair order	Reference
Combination meter assembly does not operate.	<ol style="list-style-type: none"> 1. Power supply 2. Ground circuit 	<Ref. to IDI-4, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Combination Meter System.>
Speedometer does not operate.	<ol style="list-style-type: none"> 1. Vehicle speed sensor (MT model) TCM (AT model) 2. Harness 3. Speedometer 	MT: <Ref. to IDI-5, CHECK VEHICLE SPEED SENSOR, INSPECTION, Combination Meter System.>
		AT: <Ref. to IDI-6, CHECK TRANSMISSION CONTROL MODULE (TCM), INSPECTION, Combination Meter System.>
Tachometer does not operate.	<ol style="list-style-type: none"> 1. ECM 2. Harness 3. Tachometer 	<Ref. to IDI-6, CHECK ENGINE CONTROL MODULE (ECM), INSPECTION, Combination Meter System.>
Fuel gauge does not operate.	<ol style="list-style-type: none"> 1. Fuel level sensor 2. Harness 3. Fuel gauge 	<Ref. to IDI-7, CHECK FUEL LEVEL SENSOR, INSPECTION, Combination Meter System.>
Engine coolant temperature gauge does not operate.	<ol style="list-style-type: none"> 1. Engine coolant temperature sensor 2. Harness 3. Engine coolant temperature gauge 	<Ref. to IDI-8, CHECK ENGINE COOLANT TEMPERATURE SENSOR, INSPECTION, Combination Meter System.>
Outside temperature indicator does not operate.	<ol style="list-style-type: none"> 1. Ambient sensor 2. Harness 3. Combination meter 4. Auto A/C control module 	<Ref. to IDI-9, CHECK OUTSIDE TEMPERATURE INDICATOR, INSPECTION, Combination Meter System.>

Combination Meter System

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2. CHECK POWER SUPPLY AND GROUND CIRCUIT

Step	Check	Yes	No
1 CHECK POWER SUPPLY FOR COMBINATION METER. 1) Remove the combination meter. <Ref. to IDI-11, REMOVAL, Combination Meter.> 2) Disconnect the combination meter harness connector. 3) Turn the ignition switch to ON. 4) Measure the voltage between combination meter connector and chassis ground. Connector & terminal (i11) No. 7 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Go to step 2.	Check the harness for open or short between the ignition switch and combination meter.
2 CHECK POWER SUPPLY FOR COMBINATION METER. Measure the voltage between combination meter connector and chassis ground. Connector & terminal (i11) No. 10 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Go to step 3.	Check the harness for open or short between the fuse and combination meter.
3 CHECK GROUND CIRCUIT OF COMBINATION METER. 1) Turn the ignition switch to OFF. 2) Measure the resistance of harness between combination meter connector and chassis ground. Connector & terminal (i11) No. 6 — Chassis ground:	Is the resistance less than 10 Ω?	Except for STI model: Replace the combination meter print circuit. STI model: Replace the meter main assembly.	Repair the wiring harness.

Combination Meter System

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3. CHECK VEHICLE SPEED SENSOR

	Step	Check	Yes	No
1	<p>CHECK VEHICLE SPEED SENSOR.</p> <ol style="list-style-type: none"> Lift up the vehicle. Remove the combination meter with harness connector. Drive the vehicle faster than 20 km/h (12 MPH). <p>WARNING: Be careful not to get caught in the running wheels.</p> <ol style="list-style-type: none"> Measure the voltage between combination meter connector and chassis ground. <p>Connector & terminal (i11) No. 2 (+) — Chassis ground (-):</p>	Is the voltage less than 1 V ←→ 5 V or more?	Except for STI model: Check the speedometer. <Ref. to IDI-15, REMOVAL, Speedometer.> STI model: Replace the meter main assembly.	Go to step 2.
2	<p>CHECK VEHICLE SPEED SENSOR POWER SUPPLY.</p> <ol style="list-style-type: none"> Turn the ignition switch to OFF. Disconnect the vehicle speed sensor harness connector. Turn the ignition switch to ON. Measure the voltage between the speed sensor connector and the engine ground. <p>Connector & terminal (B17) No. 3 (+) — Chassis ground (-):</p>	Is the voltage 10 V or more?	Go to step 3.	Check the harness for open or short between the ignition switch and vehicle speed sensor.
3	<p>CHECK HARNESS BETWEEN VEHICLE SPEED SENSOR AND ENGINE GROUND.</p> <ol style="list-style-type: none"> Turn the ignition switch to OFF. Measure the resistance between the speed sensor connector and the engine ground. <p>Connector & terminal (B17) No. 2 — Chassis ground:</p>	Is the resistance less than 10 Ω?	Go to step 4.	Repair the wiring harness.
4	<p>CHECK HARNESS BETWEEN VEHICLE SPEED SENSOR AND COMBINATION METER.</p> <ol style="list-style-type: none"> Disconnect the connector from the combination meter. Measure the resistance between the speed sensor harness connector and combination meter. <p>Connector & terminal (B17) No. 1 — (i11) No. 2:</p>	Is the resistance less than 10 Ω?	Replace the vehicle speed sensor.	Repair the wiring harness.

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4. CHECK TRANSMISSION CONTROL MODULE (TCM)

	Step	Check	Yes	No
1	CHECK TCM SIGNAL. 1) Lift up the vehicle. 2) Drive the vehicle faster than 10 km/h (6 MPH). WARNING: Be careful not to get caught in the running wheels. 3) Measure the voltage between TCM connector and chassis ground. Connector & terminal (B55) No. 21 (+) — Chassis ground (-):	Is the voltage less than 1 V \leftrightarrow 5 V or more?	Go to step 2.	Check the TCM. <Ref. to 4AT(D)(diag)-2, Basic Diagnostic Procedure.>
2	CHECK THE HARNESS BETWEEN TCM AND COMBINATION METER. 1) Turn the ignition switch to OFF. 2) Disconnect the connectors from TCM and combination meter. 3) Measure the resistance between TCM harness connector and combination meter harness connector. Connector & terminal (B55) No. 21 — (i11) No. 2:	Is the resistance less than 10 Ω ?	Check the speedometer. <Ref. to IDI-15, REMOVAL, Speedometer.>	Repair the wiring harness.

5. CHECK ENGINE CONTROL MODULE (ECM)

	Step	Check	Yes	No
1	CHECK ECM SIGNAL. 1) Start the engine. 2) Measure the voltage between ECM connector and engine ground. Connector & terminal (B136) No. 22 (+) — Chassis ground (-):	Is the voltage 0 \leftrightarrow 14 V or more?	Go to step 2.	Inspect the ECM. <Ref. to EN(H4SO)(diag)-2, Basic Diagnostic Procedure.> or <Ref. to EN(H4DOTC)(diag)-2, Basic Diagnostic Procedure.> or refer to "EN(STI) Section".
2	CHECK HARNESS BETWEEN COMBINATION METER AND ECM. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from ECM and combination meter. 3) Measure the resistance between ECM harness connector and combination meter harness connector. Connector & terminal (B136) No. 22 — (i11) No. 5:	Is the resistance less than 10 Ω ?	Except for STI model: Check the tachometer. <Ref. to IDI-16, REMOVAL, Tachometer.> STI model: Replace the meter main assembly.	Repair the wiring harness.

6. CHECK FUEL LEVEL SENSOR

Step	Check	Yes	No	
1	<p>CHECK FUEL LEVEL SENSOR. 1) Remove the fuel level sensor. <Ref. to FU(H4SO)-53, REMOVAL, Fuel Level Sensor.> or <Ref. to FU(H4DOTC)-65, REMOVAL, Fuel Level Sensor.> or refer to "FU(STI) Section". 2) Measure the resistance between fuel level sensor terminals when the float is in FULL or EMPTY position.</p> <p>Terminals No. 2 — No. 3:</p>	Is the resistance 0.5 — 2.5 Ω (FULL) and 50 — 52 Ω (EMPTY)?	Go to step 2.	Replace the fuel level sensor.
2	<p>CHECK FUEL SUB LEVEL SENSOR. 1) Remove the fuel sub level sensor. <Ref. to FU(H4SO)-54, REMOVAL, Fuel Sub Level Sensor.> or <Ref. to FU(H4DOTC)-66, REMOVAL, Fuel Sub Level Sensor.> or refer to "FU(STI) Section". 2) Measure the resistance between fuel sub level sensor terminals when the float is in FULL or EMPTY position.</p> <p>Terminals No. 1 — No. 2:</p>	Is the resistance 0.5 — 2.5 Ω (FULL) and 42 — 44 Ω (EMPTY)?	Go to step 3.	Replace the fuel sub level sensor.
3	<p>CHECK HARNESS BETWEEN FUEL SUB LEVEL SENSOR AND COMBINATION METER. 1) Disconnect the connector from the combination meter. 2) Measure the resistance between the fuel sub level sensor harness connector terminal and combination meter harness connector terminal.</p> <p>Connector & terminal Except for STI model (R59) No. 1 — (i12) No. 2: STI model (R59) No. 1 — (i12) No. 3:</p>	Is the resistance less than 10 Ω?	Go to step 4.	Repair the wiring harness.
4	<p>CHECK HARNESS BETWEEN FUEL LEVEL SENSOR AND FUEL SUB LEVEL SENSOR. Measure the resistance between fuel level sensor harness connector terminal and fuel sub level sensor harness connector terminal.</p> <p>Connector & terminal (R58) No. 3 — (R59) No. 2:</p>	Is the resistance less than 10 Ω?	Go to step 5.	Repair the wiring harness.
5	<p>CHECK FUEL LEVEL SENSOR GROUND CIRCUIT. Measure the resistance between fuel level sensor harness connector terminal and chassis ground.</p> <p>Connector & terminal (R58) No. 2 — Chassis ground:</p>	Is the resistance less than 10 Ω?	Except for STI model: Check the fuel gauge. <Ref. to IDI-17, REMOVAL, Fuel Gauge.> STI model: Replace the meter main assembly.	Repair the wiring harness.

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7. CHECK ENGINE COOLANT TEMPERATURE SENSOR

	Step	Check	Yes	No
1	<p>CHECK ENGINE COOLANT TEMPERATURE SENSOR. Check the engine coolant temperature sensor. <Ref. to EN(H4SO)(diag)-2, Basic Diagnostic Procedure.> or <Ref. to EN(H4DOTC)(diag)-2, Basic Diagnostic Procedure.> or <Ref. to EN(STI)(diag)-2, Basic Diagnostic Procedure.></p>	Is the engine coolant temperature sensor OK?	Go to step 2.	Replace the engine coolant temperature sensor.
2	<p>CHECK HARNESS BETWEEN ENGINE COOLANT TEMPERATURE SENSOR AND COMBINATION METER. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from the engine coolant temperature sensor and combination meter. 3) Measure the resistance between the engine coolant temperature sensor harness connector and combination meter harness connector. Connector & terminal Except for STI model (E8) No. 3 — (i12) No. 9: STI model (E8) No. 3 — (i12) No. 11:</p>	Is the resistance less than 10 Ω?	Except for STI model: Check the engine coolant temperature gauge. <Ref. to IDI-18, REMOVAL, Engine Coolant Temperature Gauge.> STI model: Replace the meter main assembly.	Repair the wiring harness.

8. CHECK OUTSIDE TEMPERATURE INDICATOR

Step	Check	Yes	No	
1	CHECK AIR CONDITIONER TYPE.	Is the vehicle equipped with auto A/C?	Go to step 6.	Go to step 2.
2	CHECK POWER SUPPLY FOR AMBIENT SENSOR. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from the combination meter. 3) Turn the ignition switch to ON. 4) Measure the voltage between the combination meter terminal and chassis ground. Connector & terminal (i10) No. 11 (+) — Chassis ground (-):	Is the voltage 4 V or more?	Go to step 3.	Except for STI model: Replace the combination meter print circuit. STI model: Replace the meter main assembly.
3	CHECK HARNESS BETWEEN AMBIENT TEMPERATURE SENSOR AND COMBINATION METER. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from ambient sensor. 3) Measure the resistance between the ambient temperature sensor harness connector terminal and combination meter harness connector terminal. Connector & terminal (F78) No. 1 — (i10) No. 11: (F78) No. 2 — (i10) No. 8:	Is the resistance less than 10 Ω?	Go to step 4.	Repair the wiring harness.
4	CHECK AMBIENT SENSOR. 1) Remove the ambient temperature sensor. 2) Check the ambient temperature sensor. <Ref. to IDI-19, INSPECTION, Ambient Sensor.>	Is the ambient temperature sensor OK?	Go to step 5.	Replace the ambient sensor.
5	CHECK OUTSIDE TEMPERATURE INDICATOR. 1) Connect the combination meter harness connector. 2) Connect a resistor (2.2 kΩ) between the terminals of ambient sensor harness connector. 3) Turn the ignition switch to ON and check the outside temperature indicator display.	Is the outside temperature indicator indicating 25°C (77°F)?	Repair the poor contact of ambient temperature sensor harness connector.	Except for STI model: Replace the combination meter print circuit. STI model: Replace the meter main assembly.
6	CHECK POWER SUPPLY FOR COMBINATION METER. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from the auto A/C control module. 3) Turn the ignition switch to ON. 4) Measure the voltage between the auto A/C control module terminal and chassis ground. Connector & terminal (B282) No. 11 (+) — Chassis ground (-):	Is the voltage 4 V or more?	Go to step 7.	Replace the auto A/C control module.

Combination Meter System

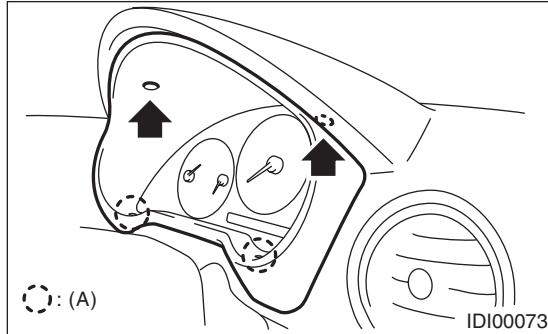
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Step	Check	Yes	No
<p>7 CHECK HARNESS BETWEEN AUTO A/C CONTROL MODULE AND COMBINATION METER.</p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Disconnect the connector from the combination meter.</p> <p>3) Measure the resistance between the auto A/C control module harness connector terminal and combination meter harness connector terminal.</p> <p>Connector & terminal (B282) No. 11 — (i10) No. 12:</p>	Is the resistance less than 10 Ω?	Go to step 8.	Repair the wiring harness.
<p>8 CHECK POWER SUPPLY FOR AMBIENT SENSOR.</p> <p>1) Turn the ignition switch to ON.</p> <p>2) Measure the voltage between the auto A/C control module terminal and chassis ground.</p> <p>Connector & terminal (B283) No. 9 (+) — Chassis ground (-):</p>	Is the voltage 4 V or more?	Go to step 9.	Replace the auto A/C control module.
<p>9 CHECK HARNESS BETWEEN AMBIENT TEMPERATURE SENSOR AND COMBINATION METER.</p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Disconnect the connector from the ambient sensor.</p> <p>3) Measure the resistance between ambient temperature sensor harness connector terminal, combination meter harness connector terminal and auto A/C control module harness connector terminal.</p> <p>Connector & terminal (F78) No. 1 — (i10) No. 11: (F78) No. 1 — (B283) No. 9: (F78) No. 2 — (i10) No. 8:</p>	Is the resistance less than 10 Ω?	Go to step 10.	Repair the wiring harness.
<p>10 CHECK AMBIENT SENSOR.</p> <p>1) Remove the ambient temperature sensor.</p> <p>2) Check the ambient temperature sensor.</p> <p><Ref. to IDI-19, INSPECTION, Ambient Sensor.></p>	Is the ambient temperature sensor OK?	Go to step 11.	Replace the ambient sensor.
<p>11 CHECK OUTSIDE TEMPERATURE INDICATOR.</p> <p>1) Connect the combination meter and auto A/C control module harness connector.</p> <p>2) Connect a resistor (2.2 kΩ) between the terminals of ambient sensor harness connector.</p> <p>3) Turn the ignition switch to ON and check the outside temperature indicator display.</p>	Is the outside temperature indicator indicating 25°C (77°F)?	Repair the poor contact of ambient temperature sensor harness connector.	Except for STI model: Replace the combination meter print circuit. STI model: Replace the meter main assembly.

3. Combination Meter

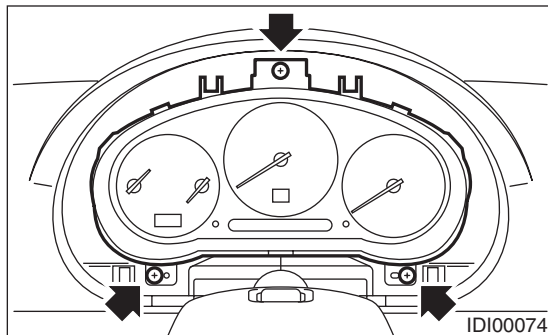
A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Set the tilt steering at the lowest position.
- 3) Remove the screws and detach the meter visor.



(A) Hook

- 4) Remove the screws of combination meter and pull out the meter.



- 5) Disconnect the connector in the upper area of combination meter to remove the meter.

CAUTION:

- Be careful not to damage the meters and instrument panel.
- Pay particular attention to avoid damaging the meter glass.

B: INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Make sure the electrical connector is connected securely.
- Make sure that each meter operates normally.

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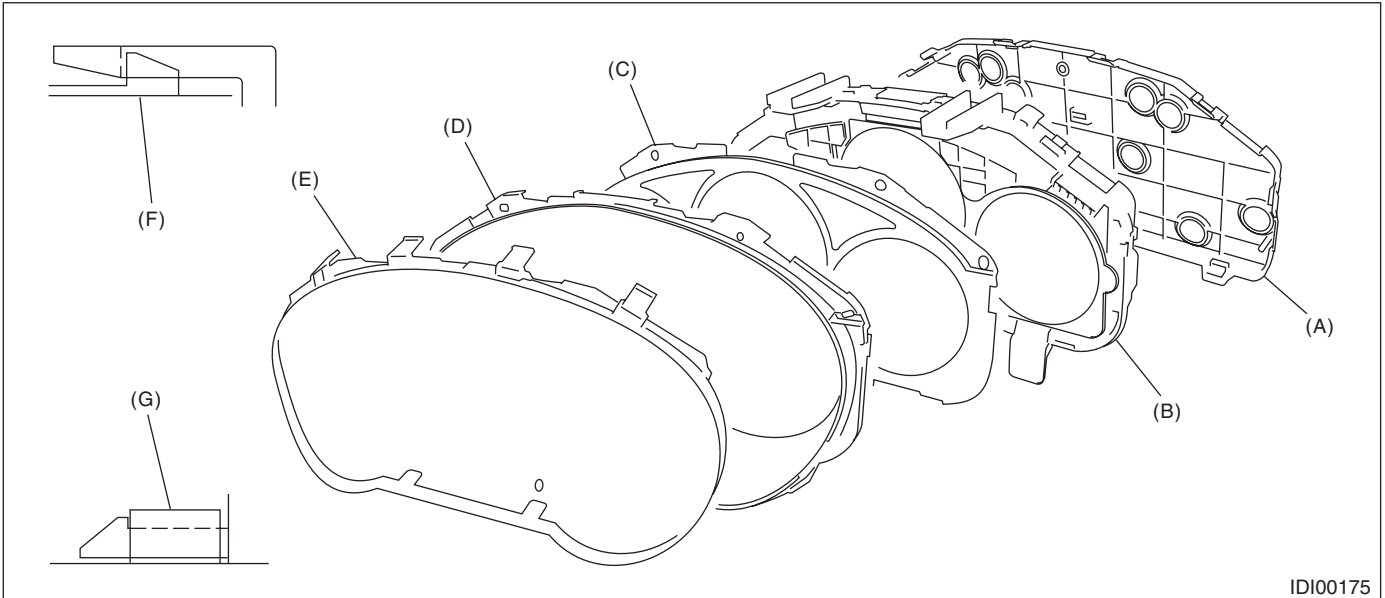
C: DISASSEMBLY

1. EXCEPT FOR STI MODEL

CAUTION:

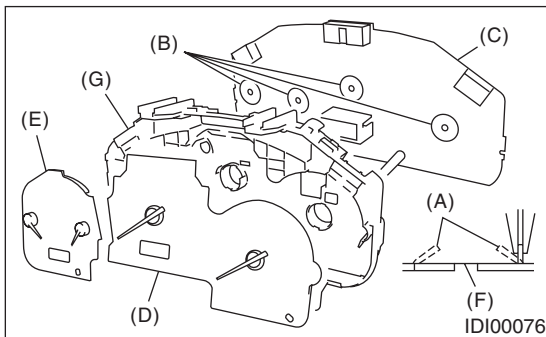
Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.

- 1) Disengage the claw (F) to remove the inner case (B) from the back cover (A).
- 2) Disengage the claw (G) to remove the meter glass (E), reflector (D), and window plate (C) from the inner case (B).



IDI00175

- 3) Pull up claw (A) in portion (B) of combination meter printed circuit (C) with combination pliers. Push out the speedometer and tachometer assembly (D) and fuel gauge and engine coolant temperature gauge assembly (E) using the hole (F).
- 4) Pull up the claw in the center of the combination meter printed circuit (C), and remove the printed circuit from the case (G).



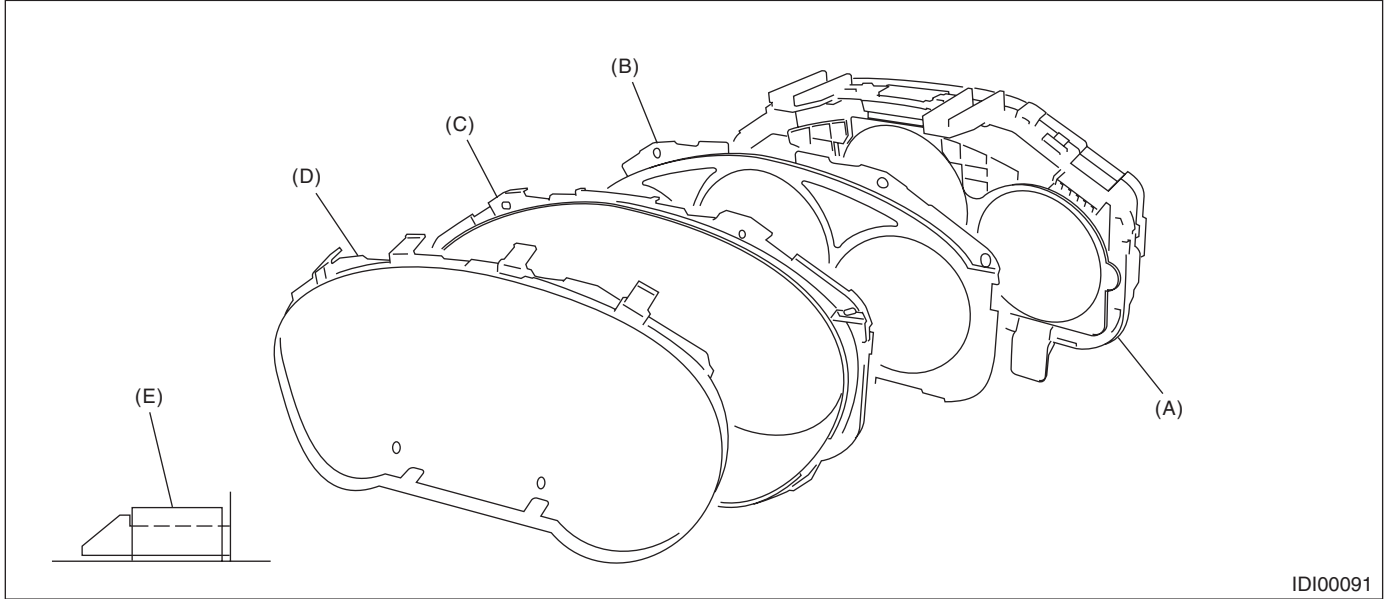
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2. STI MODEL

CAUTION:

- Use gloves to avoid damage and getting fingerprints on the glass surface and meter surfaces.
- Do not disassemble the meter main assembly of STI model.

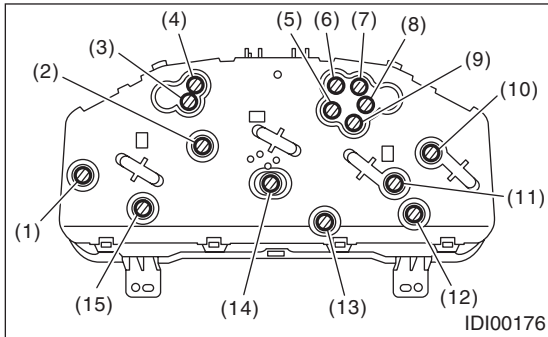
Disengage the claw (E) to remove the meter glass (D), reflector (C), and window plate (B) from the meter main assembly (A).



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3. BULB REPLACEMENT

Except for STI model



- (1) Tachometer (non-turbo model) or speedometer (turbo model)
- (2) Speedometer and tachometer
- (3) Turn signal indicator light (Right)
- (4) HI-beam indicator light
- (5) Speedometer (non-turbo model) or tachometer (turbo model)
- (6) Cruise set indicator light
- (7) Cruise indicator light
- (8) Turn signal indicator light (Left)
- (9) Parking brake/brake fluid level warning light
- (10) Fuel gauge
- (11) Engine coolant temperature gauge
- (12) LCD (outside temperature indicator)
- (13) Charge indicator light
- (14) LCD (odometer and tripmeter) (non-turbo model)
- (15) LCD (odometer and tripmeter) (turbo model)

STI model

Since LEDs are used for all of warning lights and indicator lights of meters for STI model, replace the meter main assembly if faulty.

D: ASSEMBLY

Assemble in the reverse order of disassembly.

4. Speedometer

A: REMOVAL

NOTE:

Since the meter main assembly of STI model cannot be disassembled. Do not remove or inspect the speedometer as a single unit.

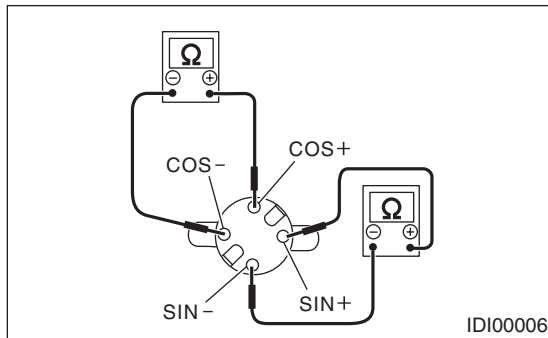
Disassemble the combination meter, and then remove the speedometer and tachometer assembly.
<Ref. to IDI-12, DISASSEMBLY, Combination Meter.>

B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

Measure the speedometer resistance.



Terminals	Resistance
SIN+ and SIN- terminal	200±8 Ω
COS+ and COS- terminal	200±8 Ω

If NG, replace the speedometer and tachometer assembly.

If OK, replace the combination meter printed circuit.

5. Tachometer

A: REMOVAL

NOTE:

Since the meter main assembly of STI model cannot be disassembled. Do not remove or inspect the tachometer as a single unit.

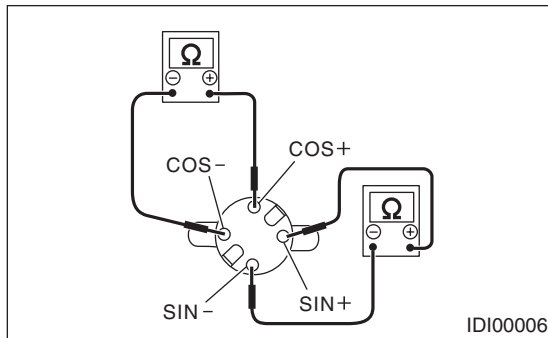
Disassemble the combination meter, and then remove the speedometer and tachometer assembly.
<Ref. to IDI-12, DISASSEMBLY, Combination Meter.>

B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

Measure the tachometer resistance.



Terminals	Resistance
SIN+ and SIN- terminal	200±8 Ω
COS+ and COS- terminal	200±8 Ω

If NG, replace the speedometer and tachometer assembly.

If OK, replace the combination meter printed circuit.

6. Fuel Gauge

A: REMOVAL

NOTE:

Since the meter main assembly of STI model cannot be disassembled. Do not remove or inspect the fuel gauge as a single unit.

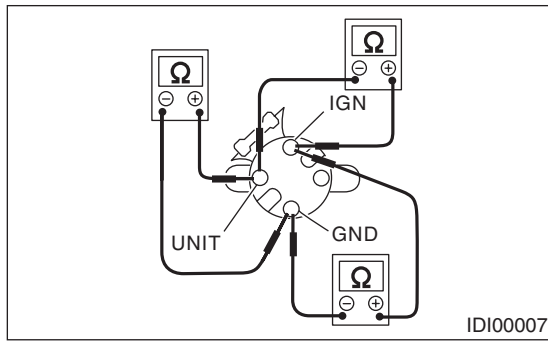
Disassemble the combination meter, and then remove the engine coolant temperature gauge and fuel gauge assembly. <Ref. to IDI-12, DISASSEMBLY, Combination Meter.>

B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

Measure the fuel gauge resistance.



Terminals	Resistance
IGN and GND terminal	170±10 Ω
IGN and UNIT terminal	35±10 Ω
UNIT and GND terminal	136±10 Ω

Replace the engine coolant temperature gauge and fuel gauge assembly if defective.

If OK, replace the combination meter printed circuit.

Engine Coolant Temperature Gauge

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7. Engine Coolant Temperature Gauge

A: REMOVAL

NOTE:

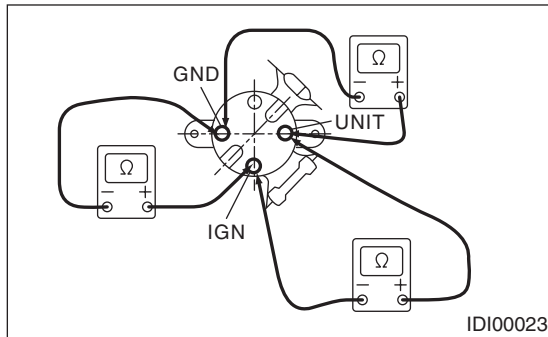
Since the meter main assembly of STI model cannot be disassembled. Do not remove or inspect the engine coolant temperature gauge as a single unit. Disassemble the combination meter, and then remove the tachometer and engine coolant temperature gauge and fuel gauge assembly. <Ref. to IDI-12, DISASSEMBLY, Combination Meter.>

B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

Measure the engine coolant temperature gauge resistance.



Terminals	Resistance
IGN and GND terminal	208±10 Ω
IGN and UNIT terminal	56±10 Ω
UNIT and GND terminal	264±10 Ω

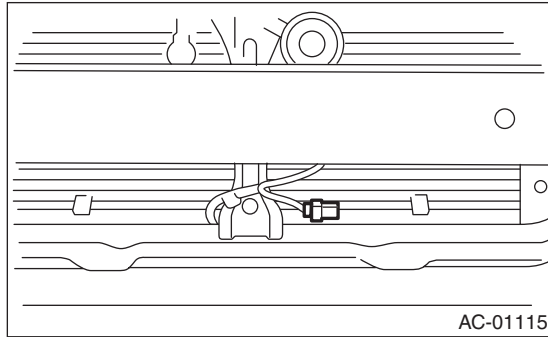
Replace the engine coolant temperature gauge and fuel gauge assembly if defective.

If OK, replace the combination meter printed circuit.

8. Ambient Sensor

A: REMOVAL

- 1) Disconnect the ground cable from the battery.
- 2) Disconnect the ambient sensor connector.
- 3) Remove the ambient sensor from the radiator lower panel.

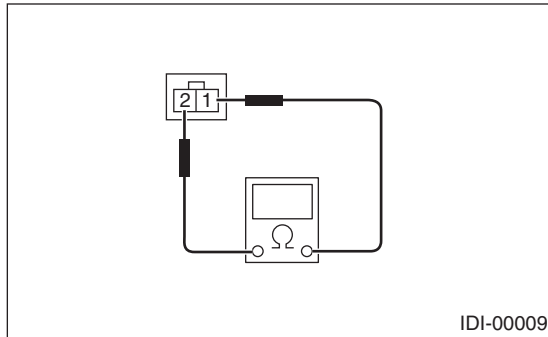


B: INSTALLATION

Install in the reverse order of removal.

C: INSPECTION

Measure the ambient temperature sensor resistance.



Terminals	Resistance
1 and 2	2.2 k Ω /25°C (77°F)

If NG, replace the ambient temperature sensor.

Ambient Sensor

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