

COMBINATION METER (From August, 2003)

71068-08

PROBLEM SYMPTOMS TABLE

Warning Lights:

Symptom	Suspected Area	See page
Charge warning light does not come on.	1. Generator (2UZ-FE)	19-46
	Generator (1GR-FE)	19-22
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22
Brake warning light does not come on.	1. Parking Brake Switch	71-7
	2. Brake Fluid Level Warning Switch	71-3
	3. Wire Harness or Connector	–
	4. Skid Control ECU	32-57
	5. Combination Meter Assy	71-22
Airbag warning light does not come on.	1. Wire Harness or Connector	–
	2. Airbag Sensor Assembly	05-1442
	3. Combination Meter Assy	71-22
Open Door warning light does not come on.	1. Door Courtesy Light Switch	05-1475
	2. Wire Harness or Connector	–
	3. MPX Body ECU	–
	4. Combination Meter Assy	71-22
Fuel Level warning light does not come on.	1. Fuel Sender Gage	71-3
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22
Oil Pressure warning light does not come on.	1. Oil Pressure Switch	71-3
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22
A/T Oil Temp. warning light does not come on.	1. Wire Harness or Connector	–
	2. ECM (2UZ-FE)	10-24
	ECM (1GR-FE)	10-11
	3. Combination Meter Assy	71-22
Driver's Seat Belt warning light does not come on.	1. Driver Side Buckle Switch	71-3
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22

Indicator Lights:

Symptom	Suspected Area	See page
Check Engine indicator light does not come on.	1. Wire Harness or Connector	–
	2. ECM (2UZ-FE)	10-24
	ECM (1GR-FE)	10-11
	3. Combination Meter Assy	71-22
ABS indicator light does not come on.	1. Wire Harness or Connector	–
	2. Skid Control ECU	32-57
	3. Brake Master Cylinder Sub-assy	32-28
	4. Combination Meter Assy	71-22
Washer Level indicator light does not come on.	1. Washer Level Warning Switch	71-3
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22
VSC, TRAC indicator light does not come on.	1. Wire Harness or Connector	–
	2. Skid Control ECU	32-57
	3. Combination Meter Assy	71-22
Shift indicator lights do not come on.	1. Park/Neutral Position Switch (A750E/A750F)	05-978
	Park/Neutral Position Switch (A340E/A340F)	05-1095
	2. Wire Harness or Connector	–
	3. Combination Meter Assy	71-22

High Beam indicator light does not come on.	1. Headlight Dimmer Switch 2. Wire Harness or Connector 3. Combination Meter Assy	65-24 – 71-22
TRAC OFF (2WD) indicator light does not come on.	1. TRAC OFF Switch 2. Wire Harness or Connector 3. Skid Control ECU 4. Combination Meter Assy	05-918 – 32-57 71-22
VSC OFF (4WD) indicator light does not come on.	1. 4WD Control Switch 2. Wire Harness or Connector 3. Skid Control ECU 4. Combination Meter Assy	05-921 – 32-57 71-22
DAC (4WD) indicator light does not come on.	1. Wire Harness or Connector 2. Skid Control ECU 3. Combination Meter Assy	– 32-57 71-22
Center Diff. Lock (4WD) indicator light does not come on.	1. Center Diff. Lock Switch 2. Wire Harness or Connector 3. 4WD Control ECU 4. Combination Meter Assy	05-921 – – 71-22
4LO (4WD) indicator light does not come on.	1. Wire Harness or Connector 2. 4WD Control ECU 3. Combination Meter Assy	– – 71-22
Height Control indicator lights do not come on.	1. Wire Harness or Connector 2. Suspension Control ECU 3. Combination Meter Assy	– 25-16 71-22
SLIP indicator light does not come on.	1. Wire Harness or Connector 2. Skid Control ECU 3. Combination Meter Assy	– 32-57 71-22
4WD (4WD) indicator light does not come on.	1. Wire Harness or Connector 2. 4WD Control ECU 3. Combination Meter Assy	– – 71-22
CRUISE indicator light does not come on.	1. Wire Harness or Connector 2. ECM (2UZ-FE) ECM (1GR-FE) 3. Combination Meter Assy	– 10-24 10-11 71-22
Tire Pressure indicator light does not come on.	1. Tire Pressure Switch 2. Wire Harness or Connector 3. Tire Pressure Monitor ECU 4. Combination Meter Assy	05-711 – 28-9 71-22
RSCA OFF indicator light does not come on.	1. RSCA OFF Switch 2. Wire Harness or Connector 3. Airbag Sensor Assembly 4. Combination Meter Assy	05-1434 – 60-47 71-22

Meter Gauges:

Symptom	Suspected Area	See page
Speedometer, Tachometer, Fuel Gauge and Water Temperature Gauge do not operate.	1. GAUGE Fuse 2. Wire Harness or Connector 3. Combination Meter Assy	– – 71-22
Fuel Gauge does not operate or operates abnormally.	1. Fuel Receiver Gauge 2. Wire Harness or Connector 3. Inclination Sensor 4. Combination Meter Assy	71-3 – 71-7 71-22
Oil Maintenance light does not operate or operates abnormally.	1. IGN Fuse 2. Wire Harness or Connector 3. Skid Control ECU 4. Combination Meter Assy	– – 32-57 71-22

ON-VEHICLE INSPECTION

1. INSPECT SPEEDOMETER

- (a) Check the operation.
- (1) Using a speedometer tester, inspect the speedometer for acceptable indication error and check the operation of the odometer.

Reference: mph (U.S.A.)

Standard indication	Acceptable range
20 mph	20 to 23 mph
40 mph	40 to 43.5 mph
60 mph	60 to 64 mph
80 mph	80 to 84.5 mph
100 mph	100 to 105 mph

Reference: km/h (Canada, Mexico)

Standard indication	Acceptable range Data in () are for reference
20 km/h	(17.5 to 21.5) km/h
40 km/h	38 to 42 km/h
60 km/h	58 to 63 km/h
80 km/h	78 to 84 km/h
100 km/h	98.5 to 104.5 km/h
120 km/h	119 to 125 km/h
140 km/h	139 to 146 km/h
160 km/h	159 to 167 km/h

NOTICE:

Tire wear and tire over or under pressure will affect indication error.

- (2) Check the deflection width of the speedometer indicator.

Reference: Below 0.3 km/h (0.19 mph)

2. INSPECT TACHOMETER

(a) Check the operation.

(1) Connect a tune-up test tachometer, and start the engine.

NOTICE:

- Reversing the connection of the tachometer will damage the transistors and the insides of the diodes.
 - When removing or installing the tachometer, be careful not to drop or subject it to heavy shocks.
- (2) Compare the result of the test with the standard indication.

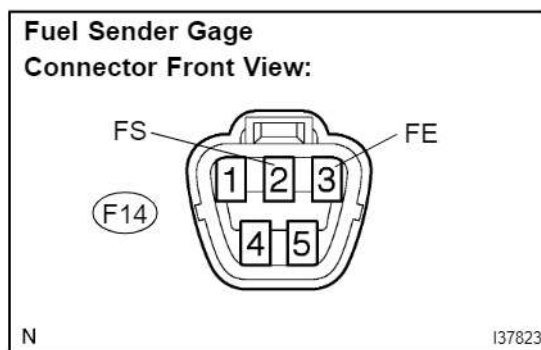
DC 13.5 V, at 25°C (77°F)

Reference: 2UZ-FE

Standard indication (rpm)	Acceptable range (rpm) Data in () are for reference
700	617 to 757
1,000	(881 to 1,081)
2,000	(1,837 to 2,087)
3,000	2,793 to 3,093
4,000	(3,775 to 4,075)
5,000	4,756 to 5,056
6,000	(5,707 to 6,067)

Reference: 1GR-FE

Standard indication (rpm)	Acceptable range (rpm) Data in () are for reference
700	630 to 770
1,000	(900 to 1,100)
2,000	(1,850 to 2,150)
3,000	2,800 to 3,200
4,000	(3,800 to 4,200)
5,000	4,800 to 5,100
6,000	(5,750 to 6,250)



3. INSPECT FUEL RECEIVER GAUGE

(a) Inspect the circuit.

- (1) Disconnect the connector from the sender gage.
- (2) Turn the ignition switch to the ON position, then check the position of the receiver gauge needle.

Needle position: EMPTY

- (3) Connect the positive (+) lead from the three 1.5 V dry cell batteries to terminal 2 and its negative (-) lead to terminal 3.
- (4) Disconnect the negative (-) terminal from the battery and wait at least 60 seconds.
- (5) Connect the negative (-) terminal to the battery and turn the ignition switch to the ON position, then check the position of the receiver gauge needle.

Needle position: FULL

4. INSPECT FUEL LEVEL WARNING LIGHT

- (a) Inspect the circuit.
 - (1) Disconnect the connector from the sender gage.
 - (2) Turn the ignition switch to the ON position, and check that the fuel level needle indicates EMPTY and the fuel level warning light comes on.

5. INSPECT SEAT BELT WARNING LIGHT (DRIVER'S SEAT)

- (a) Check the operation.
 - (1) Turn the ignition switch to the ON position, and check that the warning light blinks.
 - (2) Fasten the outer belt to the inner belt and check that the warning light goes off.
 - (3) Disconnect the connector from the buckle switch, and connect the terminal on the wire harness side connector to body ground.
 - (4) Turn the ignition switch to the ON position, and check that the warning light blinks.

6. INSPECT OIL PRESSURE WARNING LIGHT

- (a) Inspect the circuit.
 - (1) Disconnect the connector from the oil pressure switch.
 - (2) Turn the ignition switch to the ON position.
 - (3) Connect the terminal of the wire harness side connector and body ground, then check the condition of the oil pressure warning light.

Oil pressure warning light: Comes on

7. INSPECT BRAKE WARNING LIGHT

- (a) Inspect the parking brake warning light.
 - (1) Disconnect the connector from the parking brake switch, and connect the terminal on the wire harness side connector to body ground.
 - (2) Turn the ignition switch to the ON position, and check that the warning light comes on.
- (b) Inspect the brake fluid level warning light.
 - (1) Disconnect the connector from the brake fluid level warning switch, and connect the terminals on the wire harness side connector.
 - (2) Turn the ignition switch to the ON position, and check that the warning light comes on.

8. INSPECT BRAKE FLUID LEVEL WARNING SWITCH

- (a) Inspect the resistance.
 - (1) Remove the reservoir tank cap and the strainer.
 - (2) Disconnect the connector.
 - (3) Measure the resistance between the terminals.
- Float up (switch off): 10 k Ω or higher**
- (4) Use a syphon, etc. to take fluid out of the reservoir tank.
 - (5) Measure the resistance between the terminals.

Float down (switch on): Below 1 Ω

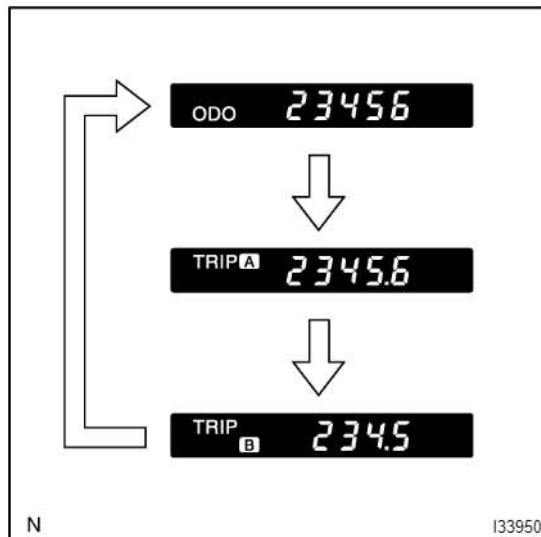
- (6) Pour the fluid back in the reservoir tank.

9. INSPECT DRIVER'S SEAT BELT WARNING BUZZER

- (a) Check the warning buzzer function.
 - (1) Turn the ignition switch to the ON position, and check that the driver's seat belt warning sounds if the driver's seat belt is not fastened.
 - (2) Check that the buzzer stops in about 4 to 8 seconds.

10. INSPECT KEY REMINDER WARNING BUZZER

- (a) Check the warning buzzer function.
 - (1) Turn the ignition switch off, and check that the key reminder warning sounds when the ignition key is inserted in the key cylinder and the front driver side door is opened.

**11. INSPECT TRIP METER**

(a) Check the operation.

- (1) Turn the ignition switch to the ON position, and check that the mode indication changes in the order of "ODO" → "TRIP A" → "TRIP B" → "ODO" by pressing the trip switch.

HINT:

When turning the ignition switch to the ON position, the first mode that appears on the display is the previously indicated mode.

- (2) Check that the indicated data is reset by pressing the trip switch for more than 0.5 seconds in "TRIP A" and "TRIP B".

12. INSPECT WASHER LEVEL WARNING SWITCH

(a) Inspect the circuit.

- (1) Disconnect the connector from the washer level warning switch.
- (2) Turn the ignition switch to the ON position.
- (3) Connect the terminal of the wire harness side connector and body ground, then check the condition of the washer level warning light.

INSPECTION

1. PARKING BRAKE SWITCH ASSY

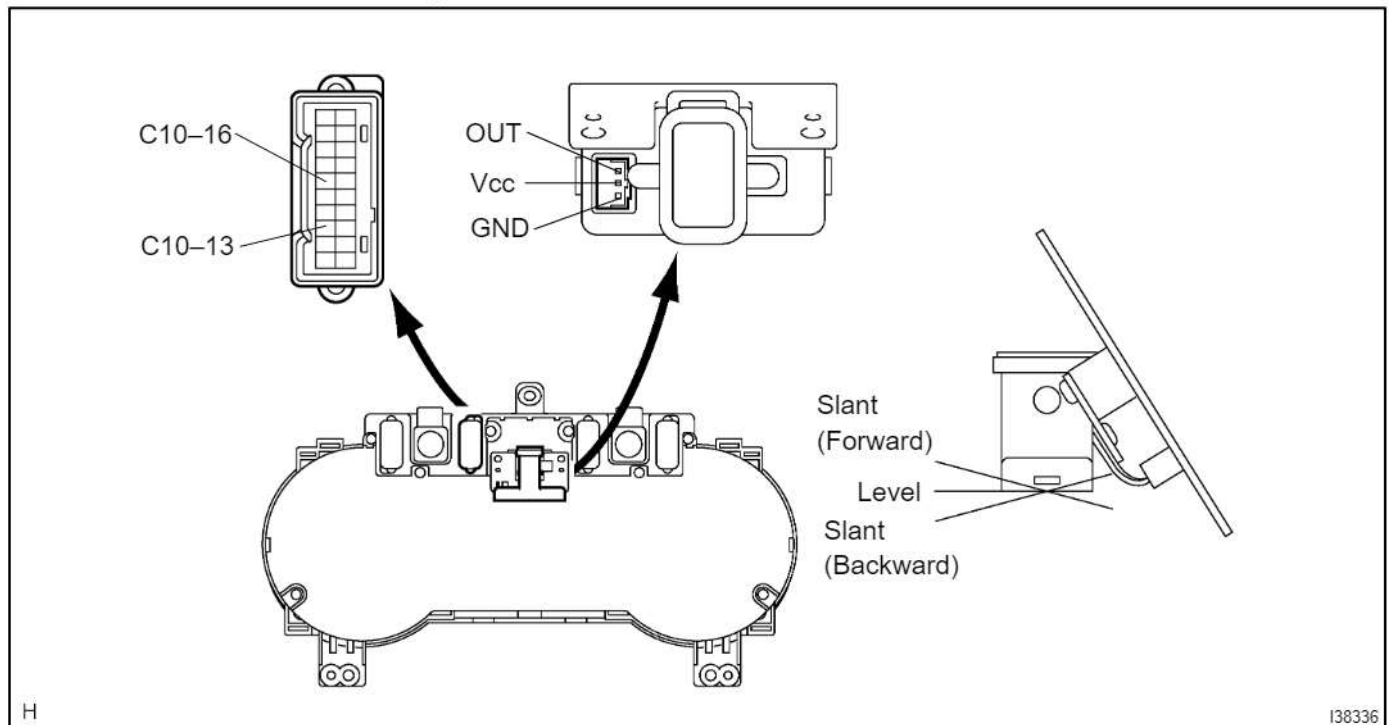
- (a) Inspect the resistance.
 (1) Measure the resistance according to the value(s) in the table below.

Standard:

Condition	Specified Condition
ON (Switch pin released)	Below 1 Ω
OFF (Switch pin pushed in)	10 k Ω or higher

2. INCLINATION SENSOR ASSY

- (a) Remove the combination meter assy.
 (b) Remove the rear side cover from the combination meter assy.
 (c) Connect the battery (+) to terminal C10-16 of the combination meter assy, the battery (-) to terminal C10-13 of the combination meter assy.
 (d) Measure the voltage between terminals OUT and GND of the inclination sensor assy when inclining the combination meter assy forward and backward.

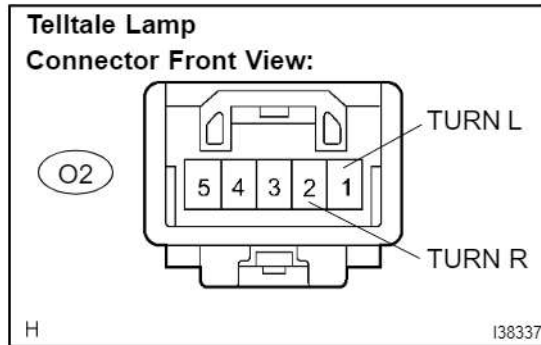


Standard:

When the sensor is level: Approx. 2.0 V

When the sensor slants (backward slant, approx. 5° minimum): Approx. 1.7 V

When the sensor slants (forward slant, approx. 5° minimum): Approx. 2.3 V



3. TELLTALE LAMP ASSY

- (a) Inspect the turn signal indicator light.
- (1) Disconnect the telltale lamp connector.
 - (2) Connect the positive (+) lead from the battery to the terminal 1 (2) and negative (-) lead from the battery to the terminal 5.
 - (3) Check that the turn signal indicator light blinks.

Standard :

Indicator light blinks.

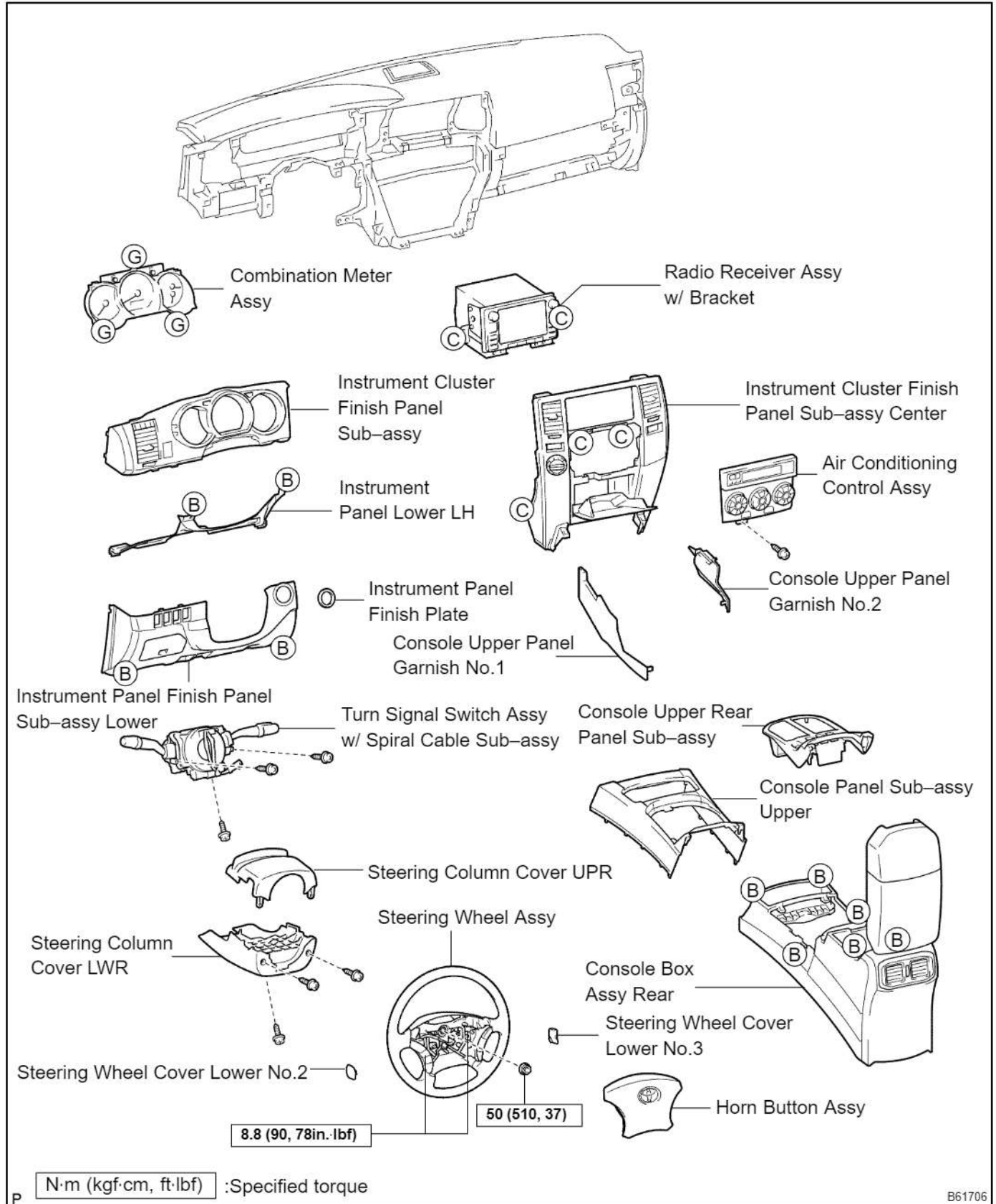
- (b) Inspect the resistance.
- (1) Measure the resistance according to the value(s) in the table below.

Standard :

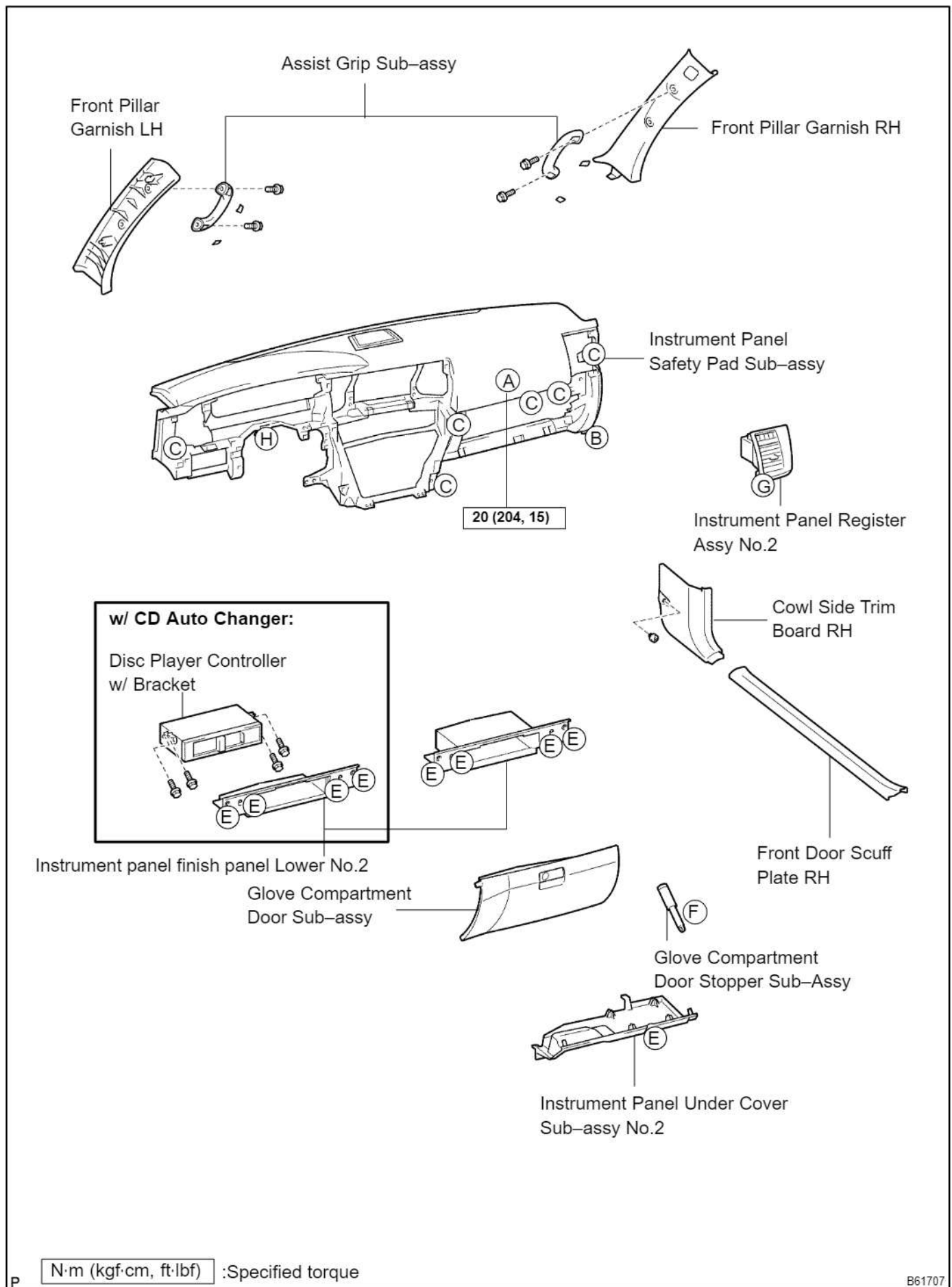
Tester Connection	Condition	Specified Condition
3 (RESET) – 5 (GND)	RESET switch ON (Switch is pushed in)	Below 1 Ω
3 (RESET) – 5 (GND)	RESET switch OFF (Switch is not pushed in)	10 k Ω or higher
4 (ODO/TRIP) – 5 (GND)	ODO/TRIP switch ON (Switch is pushed in)	Below 1 Ω
4 (ODO/TRIP) – 5 (GND)	ODO/TRIP switch OFF (Switch is not pushed in)	10 k Ω or higher

INSTRUMENT PANEL/METER COMPONENTS

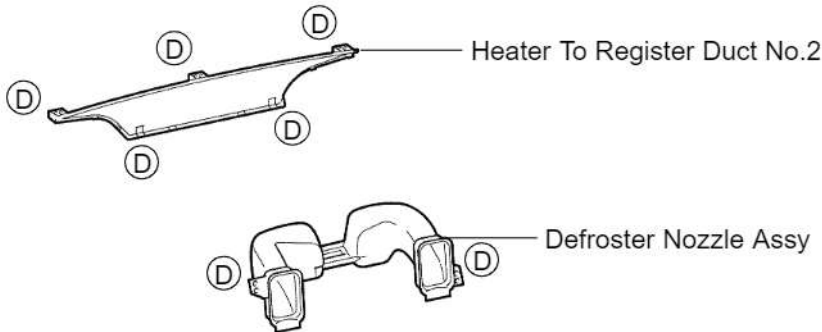
710CE-02



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B61707



w/ Audio Premium Version:

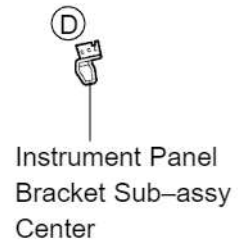
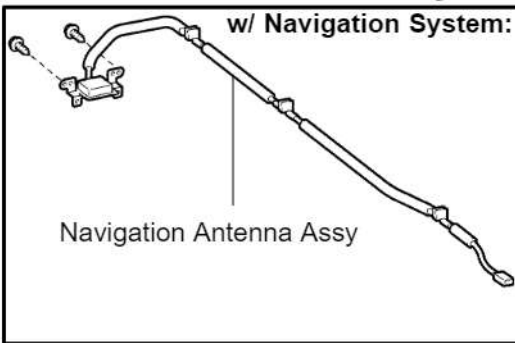
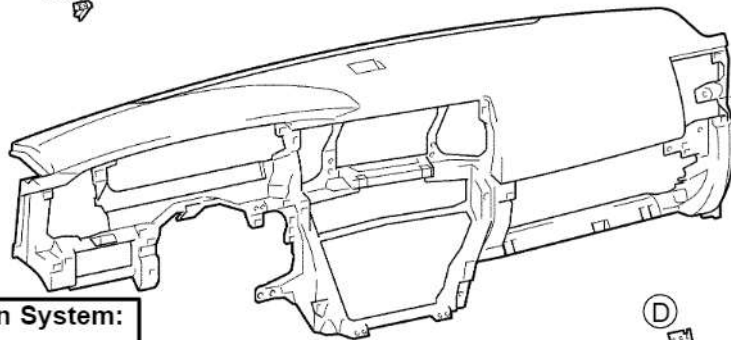
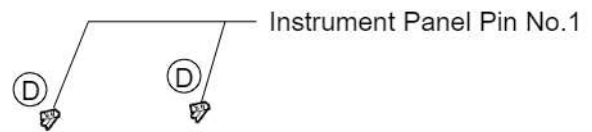
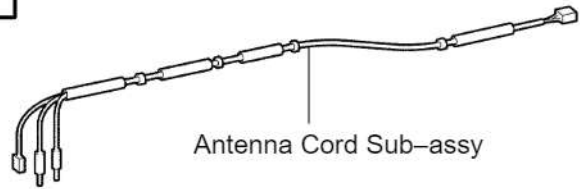
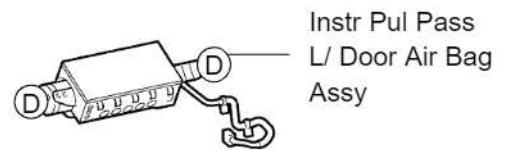
Instrument Panel Speaker Panel
Sub-assy No.1

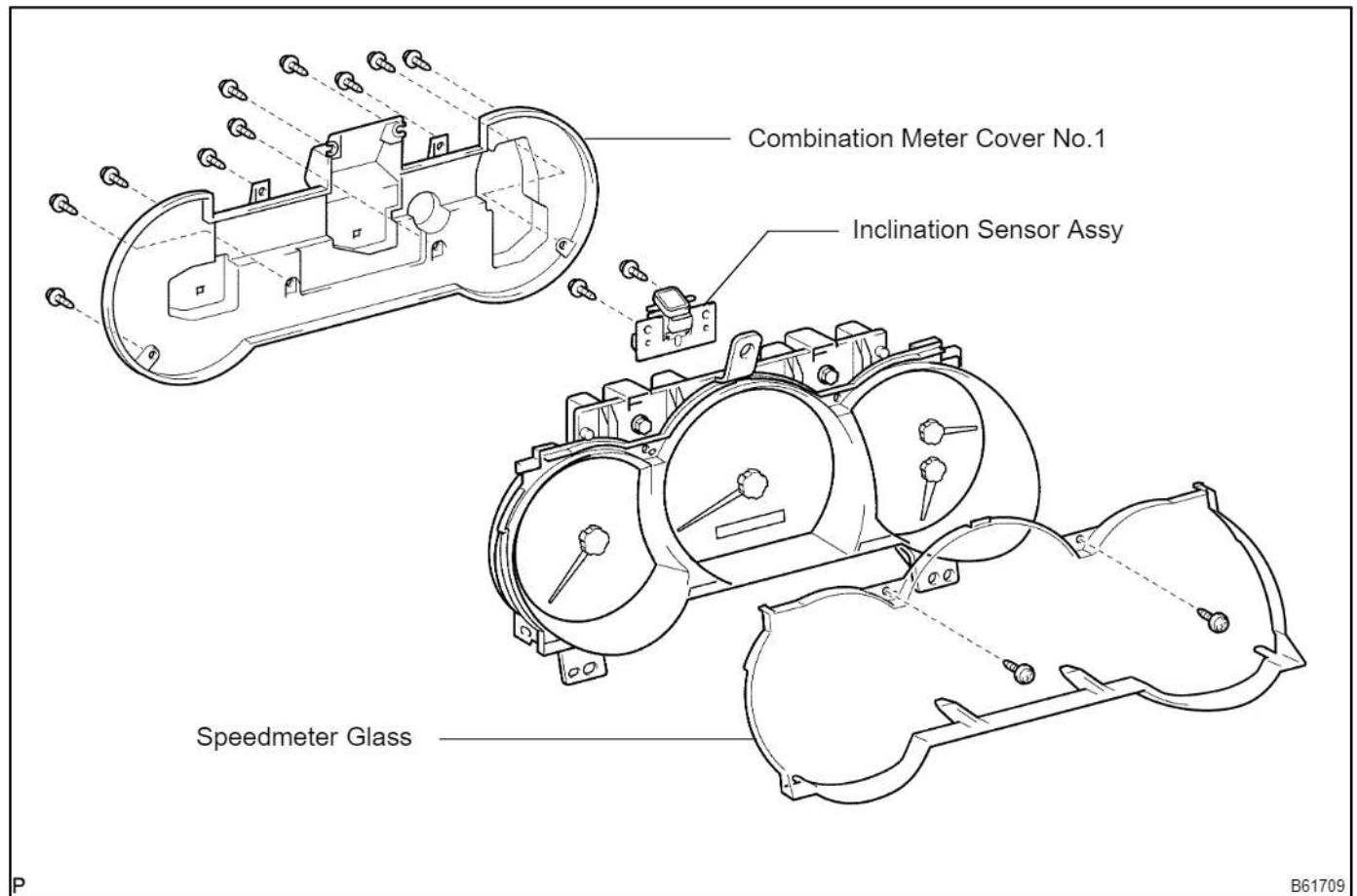
Stereo Component Speaker
Assy Rear

**w/ Light Control
System:**
Automatic Light
Control SenSor

Cooler (Solar Sensor)
Thermistor

Instrument Panel Pin No.1





INSTRUMENT PANEL SAFETY PAD SUB-ASSY

710CS-02

PRECAUTION

1. PRECAUTION FOR VEHICLE WITH SRS AIRBAG AND SEAT BELT PRETENSIONER

- (a) Some operations in this section may affect the SRS airbags. Prior to performing the corresponding operations, read the SRS airbag NOTICE (see page [60-1](#)).

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REPLACEMENT

HINT:

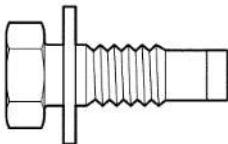
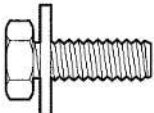
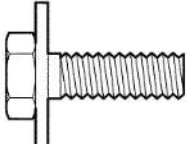
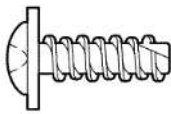
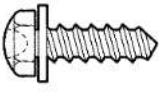
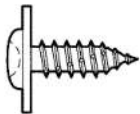
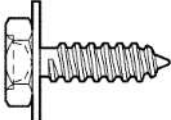
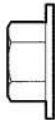
COMPONENTS: See page 71-9

1. TABLE OF BOLT, SCREW AND NUT

HINT:

The bolts, screws and nuts, which are necessary for installation and removal of the instrument panel are shown in the illustration below and the text with alphabets.

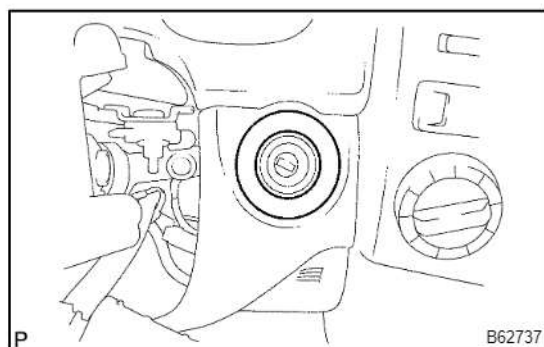
mm (in.) (L = Length)

Code	Shape	Code	Shape	Code	Shape
<A>	 B50935 90119-08B72		 B62758 91635-G0618	<C>	 B50534 91635-60620
<D>	 B50620 93568-55014	<E>	 B62759 90159-50105	<F>	 B62760 90167-50022
<G>	 B62761 90159-50311	<H>	 B57166 94150-80600		

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B65712

2. DISCONNECT BATTERY NEGATIVE TERMINAL (See page 60-1)

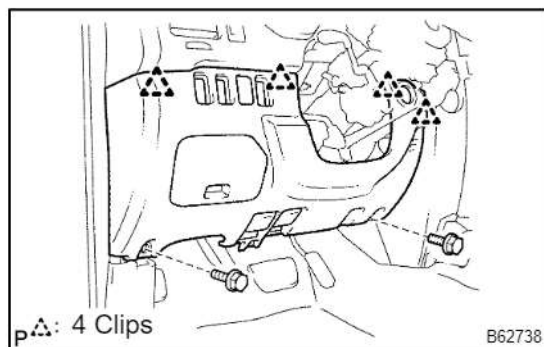


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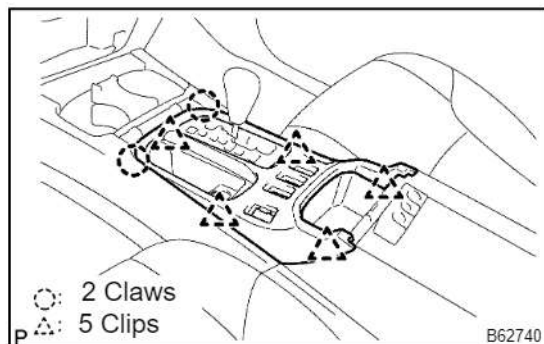
3. REMOVE INSTRUMENT PANEL FINISH PLATE

- (a) Remove the instrument panel finish plate.



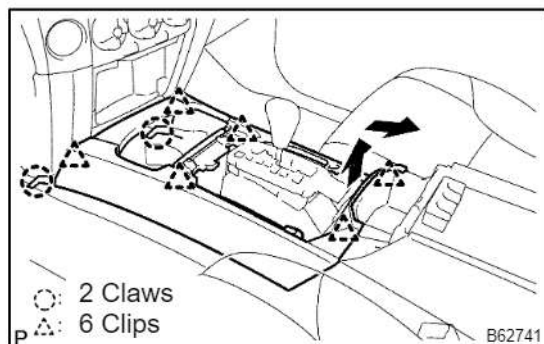
4. REMOVE INSTRUMENT PANEL FINISH PANEL SUB-ASSY LOWER

- Remove the 2 bolts .
- Disconnect the hood lock control cable assy and fuel lid lock control cable sub-assy.
- Disengage the 4 clips.
- Disconnect the connectors and remove the instrument panel finish panel sub-assy lower.



5. REMOVE CONSOLE UPPER REAR PANEL SUB-ASSY

- Disengage the 5 clips and 2 claws, and remove the console upper rear panel, and then disconnect the connectors.

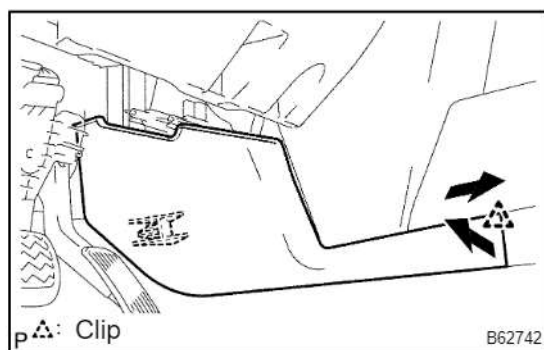


6. REMOVE CONSOLE PANEL SUB-ASSY UPPER

- Disengage the 6 clips and 2 claws, and then remove the console panel sub-assy upper.

NOTICE:

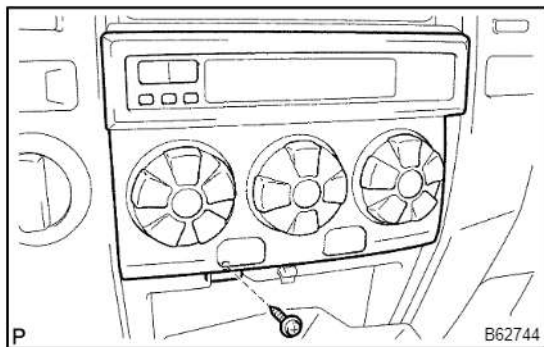
Be careful not to snap the claws during the operation.



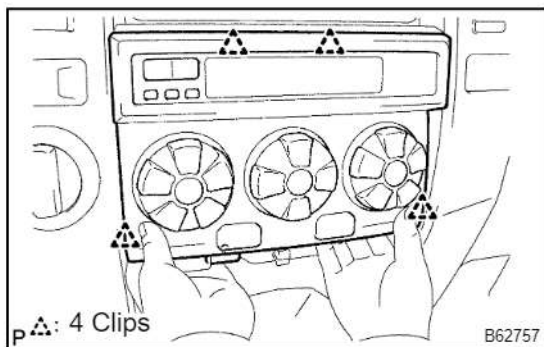
7. REMOVE CONSOLE UPPER PANEL GARNISH NO.1

- Disengage the clip.
- Pull the console upper panel garnish No.1 rearward to be removed.

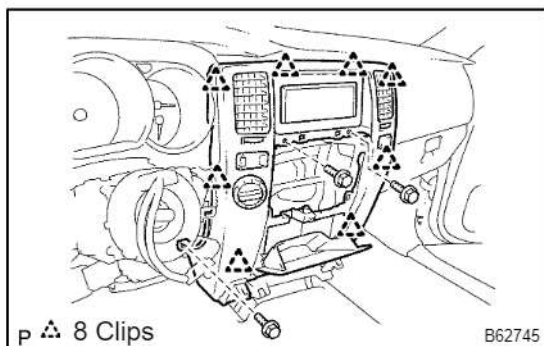
8. REMOVE CONSOLE UPPER PANEL GARNISH NO.2

**9. REMOVE AIR CONDITIONING CONTROL ASSY**

- (a) Remove the screw.



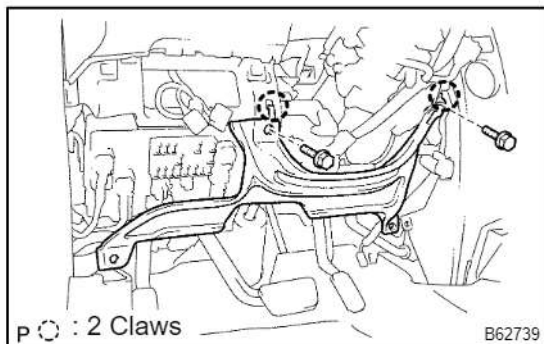
- (b) Disengage the 4 clips and remove the air conditioner, and then disconnect the connectors.

**10. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSY CENTER**

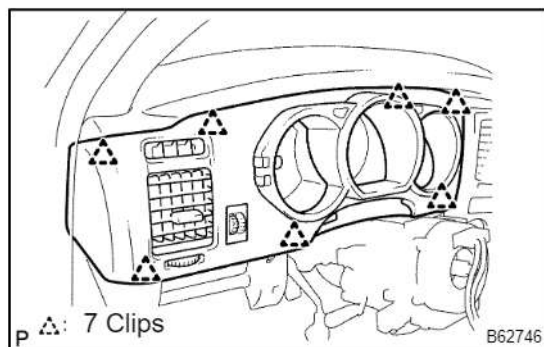
- (a) Remove the 3 bolts <C>.
 (b) Disengage the 8 clips and remove the instrument cluster finish panel sub-assy center.

11. REMOVE RADIO RECEIVER ASSY W/BACKET (See page 67-6)**12. REMOVE STEERING WHEEL COVER LOWER NO.2****13. REMOVE STEERING WHEEL COVER LOWER NO.3****14. REMOVE HORN BUTTON ASSY (See page 60-15)****15. REMOVE STEERING WHEEL ASSY (See page 50-8)**

SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)

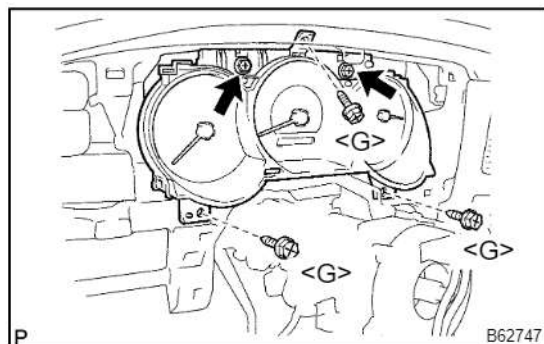
16. REMOVE STEERING COLUMN COVER UPR (See page 50-8)**17. REMOVE TURN SIGNAL SWITCH ASSY W/SPIRAL CABLE SUB-ASSY (See page 50-8)****18. REMOVE INSTRUMENT PANEL LOWER LH**

- (a) Remove the 2 bolts .
 (b) Disengage the 2 claws and remove the instrument panel lower LH.



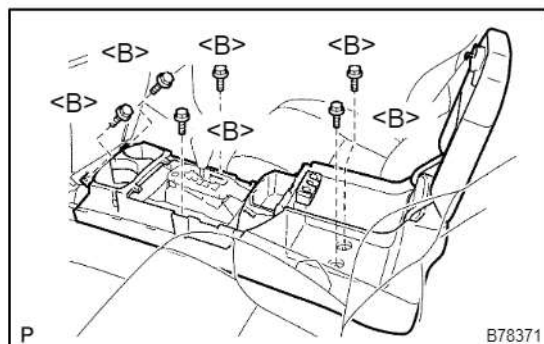
19. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSY

- (a) Disengage the 7 clips.
- (b) Disconnect the connectors and remove the instrument cluster finish panel sub-assy.



20. REMOVE COMBINATION METER ASSY

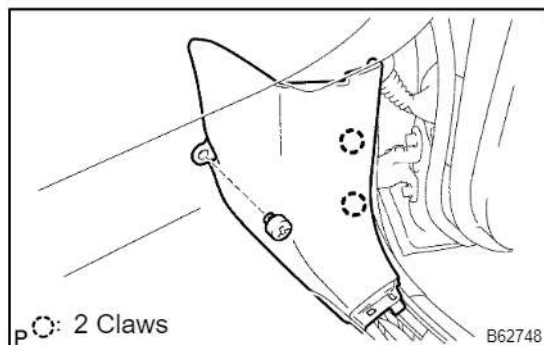
- (a) Remove the 3 screws <G>.
- (b) Loosen the 2 bolts and remove the combination meter assy.



21. REMOVE CONSOLE BOX ASSY REAR

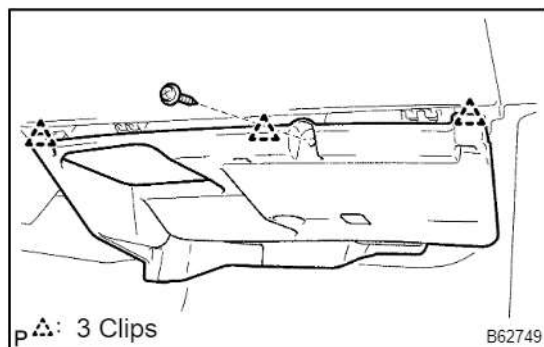
- (a) Remove the 6 bolts and console box assy rear.

22. REMOVE FRONT DOOR SCUFF PLATE RH (See page 76-43)



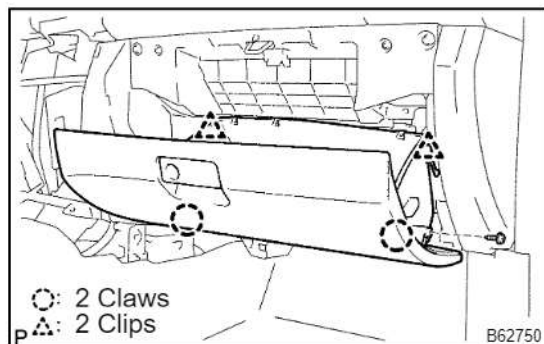
23. REMOVE COWL SIDE TRIM BOARD RH

- (a) Remove the clip.
- (b) Disengage the 2 claws and remove the cowl side trim board RH.



24. REMOVE INSTRUMENT PANEL UNDER COVER SUB-ASSY NO.2

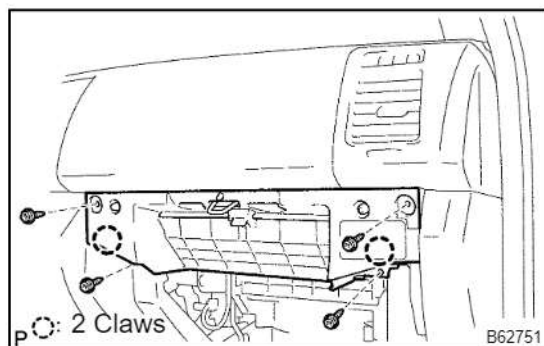
- Remove the screw <E>.
- Disengage the 3 clips and remove the instrument panel under cover sub-assembly No.2.



25. REMOVE GLOVE COMPARTMENT DOOR SUB-ASSY

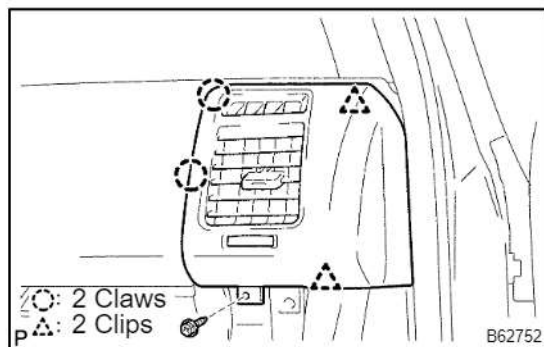
- Remove the screw <F> and glove compartment door.
- Deform the upper part of the glove compartment door to release the stoppers.
- Pull the glove compartment door upward to remove it.

26. DISCONNECT PASSENGER AIRBAG CONNECTOR (See page 60-26)



27. REMOVE INSTRUMENT PANEL FINISH PANEL LOWER NO.2

- Remove the 4 screws <E>.
- Disengage the 2 claws and remove the instrument panel finish panel.



28. REMOVE INSTRUMENT PANEL REGISTER ASSY NO.2

- Remove the screw <G>.
- Disengage the 2 clips and 2 claws, and then remove the instrument panel register assembly No.2.

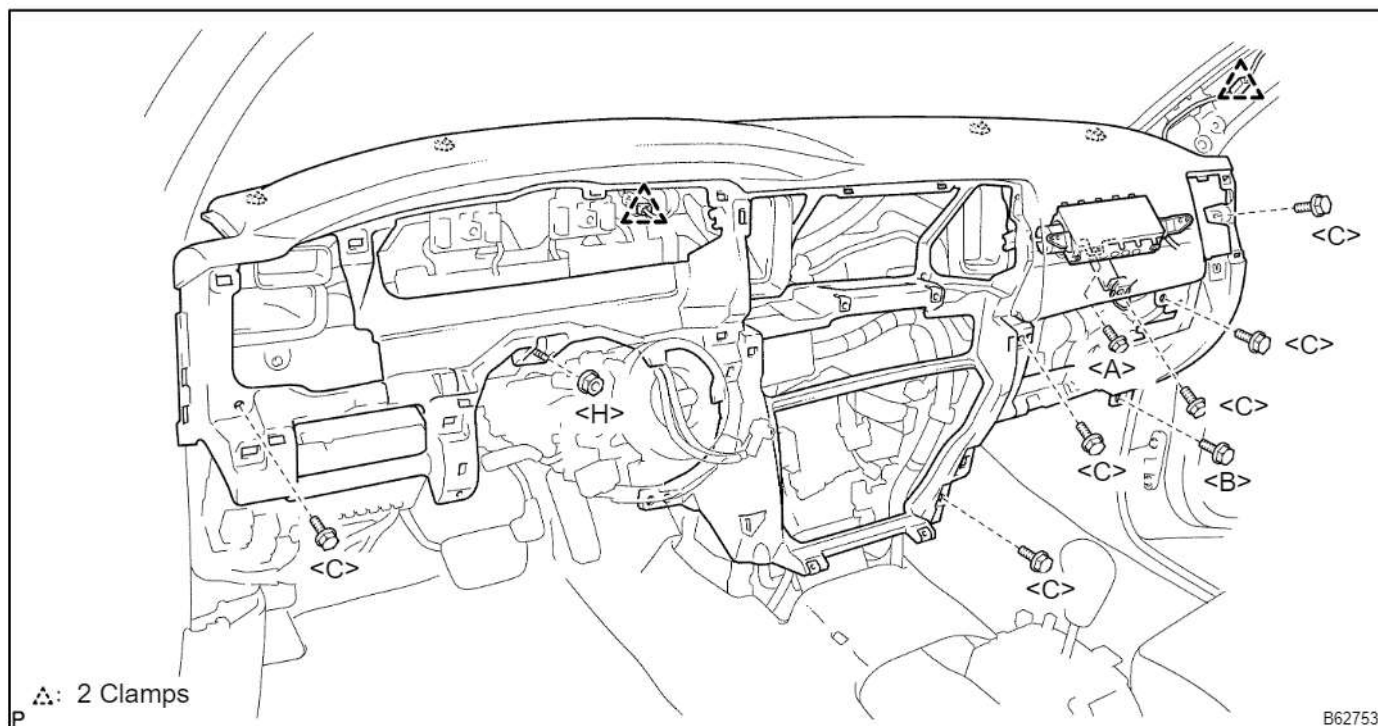
29. REMOVE ASSIST GRIP SUB-ASSY (See page 76-43)

30. REMOVE FRONT PILLAR GARNISH LH (See page 76-43)

31. REMOVE FRONT PILLAR GARNISH RH (See page 76-43)

32. REMOVE INSTRUMENT PANEL SAFETY PAD SUB-ASSY W/PASSENGER AIR BAG ASSY

- (a) Remove the 8 bolts <A> <C> and nut <H>.
- (b) Disconnect the connectors.
- (c) Remove the instrument panel safety pad sub-assy.

**33. REMOVE INSTRUMENT PANEL SPEAKER PANEL SUB-ASSY NO.1 (W PREMIUM SOUND SYSTEM)**

- (a) Using a moulding remover, disengage the 4 clips and remove the instrument panel speaker panel sub-assy No.1.

34. REMOVE STEREO COMPONENT SPEAKER ASSY FRONT (W PREMIUM SOUND SYSTEM)

- (a) Remove the 2 screws <D> and the stereo component speaker assy front.

35. REMOVE INSTRUMENT PANEL PIN NO.1

- (a) Remove the screw <D> and the instrument panel pin No.1.

36. REMOVE DEFROSTER NOZZLE ASSY

- (a) Remove the 5 screws <D> and the defroster nozzle assy.

37. REMOVE HEATER TO REGISTER DUCT NO.2

- (a) Remove the 2 screws <D> and the heater to register duct No.2.

38. REMOVE METER HOOD RETAINER NO.1

- (a) Remove the screw <D> and the meter hood retainer No.1.

39. REMOVE INSTRUMENT PANEL BRACKET SUB-ASSY CENTER

- (a) Remove the screw <D> and the instrument panel bracket sub-assy center.

40. REMOVE AUTOMATIC LIGHT CONTROL SENSOR (W/ LIGHT CONTROL SYSTEM)

- (a) Disconnect the connector.
- (b) Remove the automatic light control sensor.

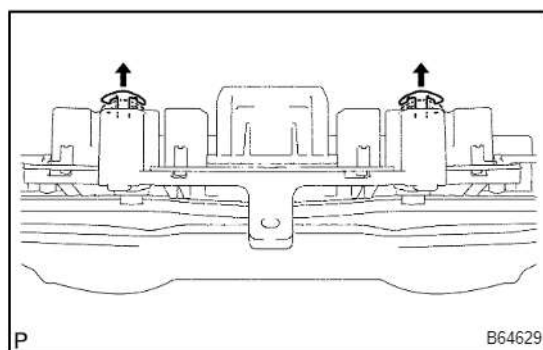
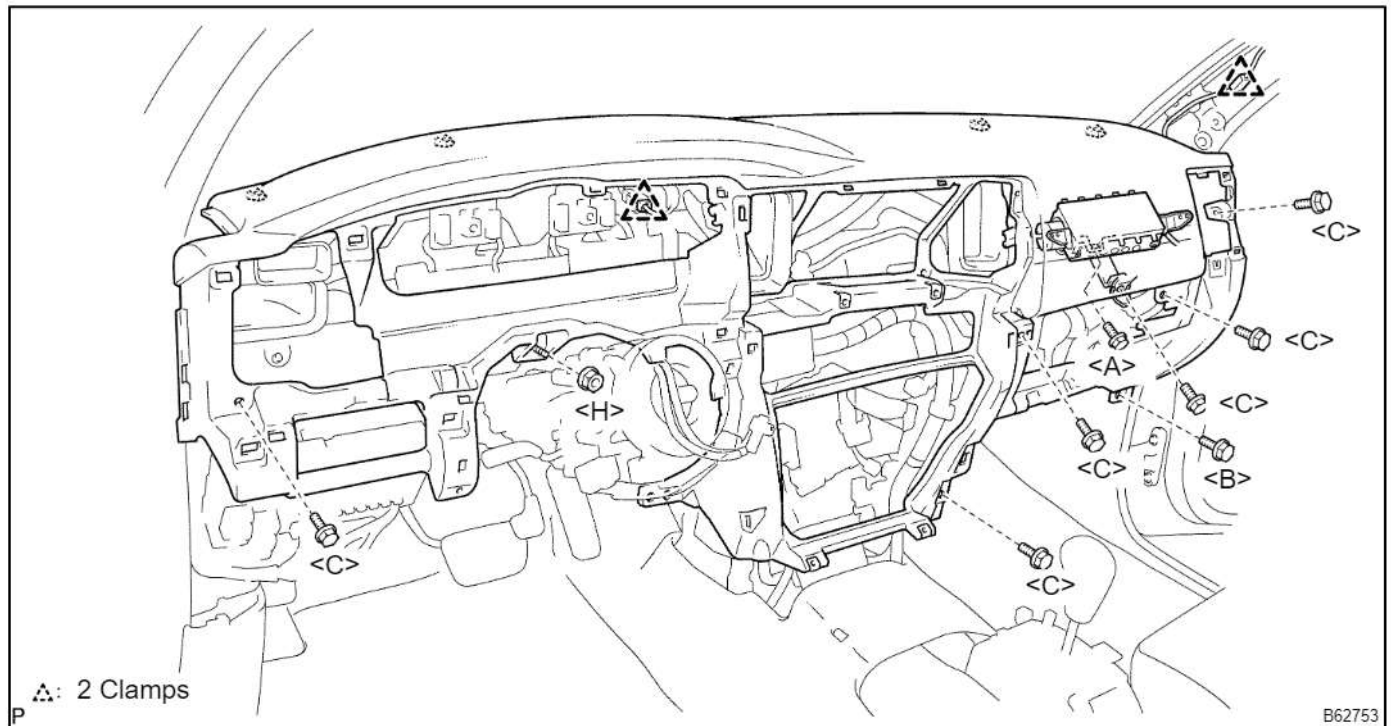
41. REMOVE COOLER (SOLAR SENSOR) THERMISTOR

- (a) Disconnect the connector.
- (b) Remove the cooler (solar sensor) thermistor.

42. REMOVE INSTRUMENT PANEL WIRE NO.2**43. REMOVE ANTENNA CORD SUB-ASSY (See page 67-15)****44. REMOVE NAVIGATION ANTENNA ASSY (W/ NAVIGATION SYSTEM) (See page 67-21)**

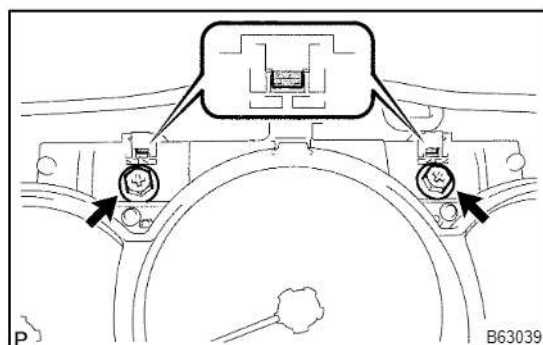
45. REMOVE INSTR PNL PASS L/DOOR AIR BAG ASSY (See page 60-26)
46. REMOVE INSTRUMENT PANEL SAFETY PAD SUB-ASSY
47. INSTALL INSTR PNL PASS L/DOOR AIR BAG ASSY (See page 60-26)
48. INSTALL INSTRUMENT PANEL SAFETY PAD SUB-ASSY W/PASSENGER AIR BAG ASSY
 - (a) Using a torque wrench, install the bolt<A>.

Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)



49. INSTALL COMBINATION METER ASSY

- (a) Pull the positions shown in the illustration in the arrow mark direction to make the check pins unseen from the surface.



- (b) Check that the connector on the instrument panel side is in place.
- (c) Install the combination meter assembly with the 3 screws.
- (d) Tighten the screw shown in the illustration and check that the check pin protrudes.

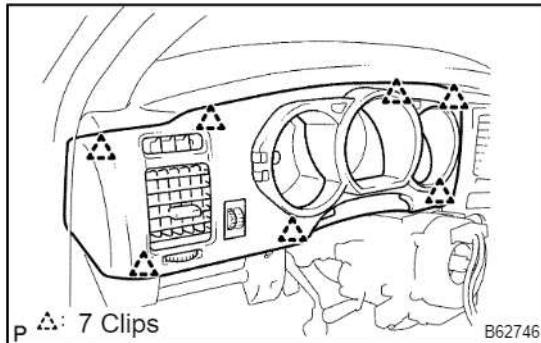
- 50. ADJUST SPIRAL CABLE SUB-ASSY (See page [60-23](#))
- 51. INSTALL STEERING WHEEL ASSY (See page [50-8](#))
- 52. INSTALL HORN BUTTON ASSY (See page [60-15](#))
- 53. INSPECT HORN BUTTON ASSY (See page [60-10](#))
- 54. INCLINATION SENSOR ZERO DEGREE CORRECTION (See page [71-22](#))
- 55. INSPECT SRS WARNING LIGHT (See page [05-1238](#))

COMBINATION METER ASSY OVERHAUL

710C7-02

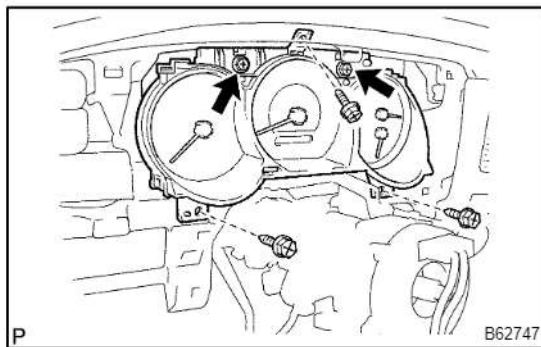
HINT:

COMPONENTS: See page 71-9



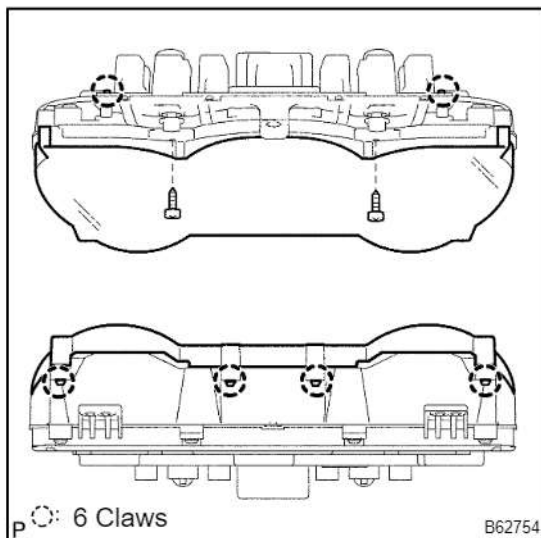
1. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSY

- Disengage the 7 clips.
- Disconnect the connectors and remove the instrument cluster finish panel sub-assy.



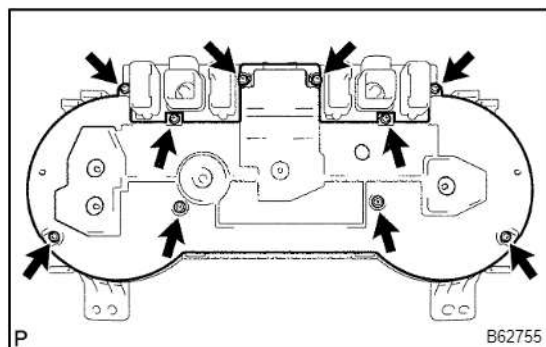
2. REMOVE COMBINATION METER ASSY

- Remove the 3 screws.
- Loosen the 2 bolts and remove the combination meter assy.



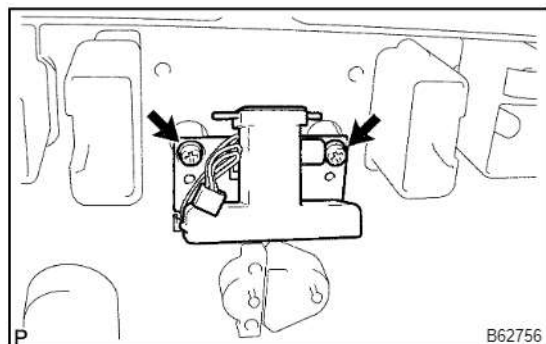
3. REMOVE SPEEDMETER GLASS

- Remove the 2 screws.
- Disengage the 6 claws and remove the speedometer glass.



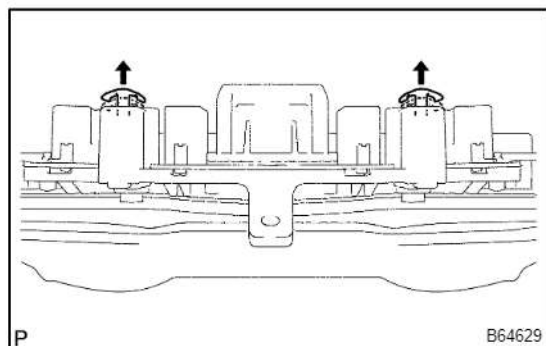
4. REMOVE COMBINATION METER COVER NO.1

- (a) Remove the 10 screws and combination meter cover No.1.



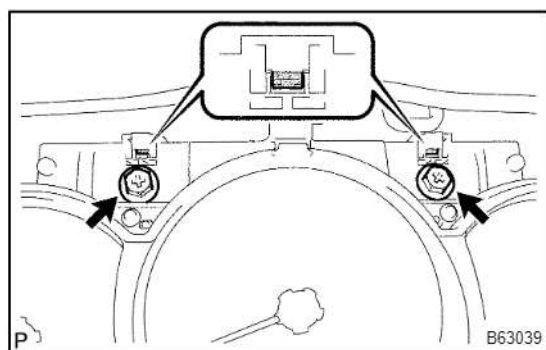
5. REMOVE INCLINATION SENSOR ASSY

- (a) Remove the 2 screws and inclination sensor assy.



6. INSTALL COMBINATION METER ASSY

- (a) Pull the positions shown in the illustration in the arrow mark direction to make the check pins unseen from the surface.



- (b) Check that the connector on the instrument panel side is in place.
 (c) Install the combination meter assy with the 3 screws.
 (d) Tighten the screw shown in the illustration and check that the check pin protrudes.

7. INCLINATION SENSOR ZERO DEGREE CORRECTION

NOTICE:

- When replacing or removing /installing the combination meter assy and inclination sensor assy, be sure to perform zero degree correction of the inclination sensor.
- When performing zero degree correction, install the combination meter assy and perform it in level surface.
- Also perform zero degree correction when the body level setting is inclined because of vehicle height adjustment.

- (a) Turn the ignition switch off.

- (b) While pressing the RESET switch, turn the ignition switch on.

2004 4RUNNER REPAIR MANUAL (RM1059U)

- (c) Within 5 seconds after the ignition switch is turned on, repeat pressing and releasing the RESET switch 3 times and keep holding the last press for more than 5 seconds. (Buzzer sounds for a second)

NOTICE:

If the buzzer does not sound, perform this procedure from the beginning.

- (d) Release the RESET switch when buzzer sounds.
 (e) Press the RESET switch again and keep pressing for more than 5 seconds. (Buzzer sounds for a second again)

HINT:

- When the buzzer sounds twice, reset operation is completed.
- The buzzer sound of the first and second time is the same.

NOTICE:

If the buzzer does not sound or keep sounding for more than 1 second, perform the procedure from the beginning.

