

BODY ELECTRICAL SYSTEM

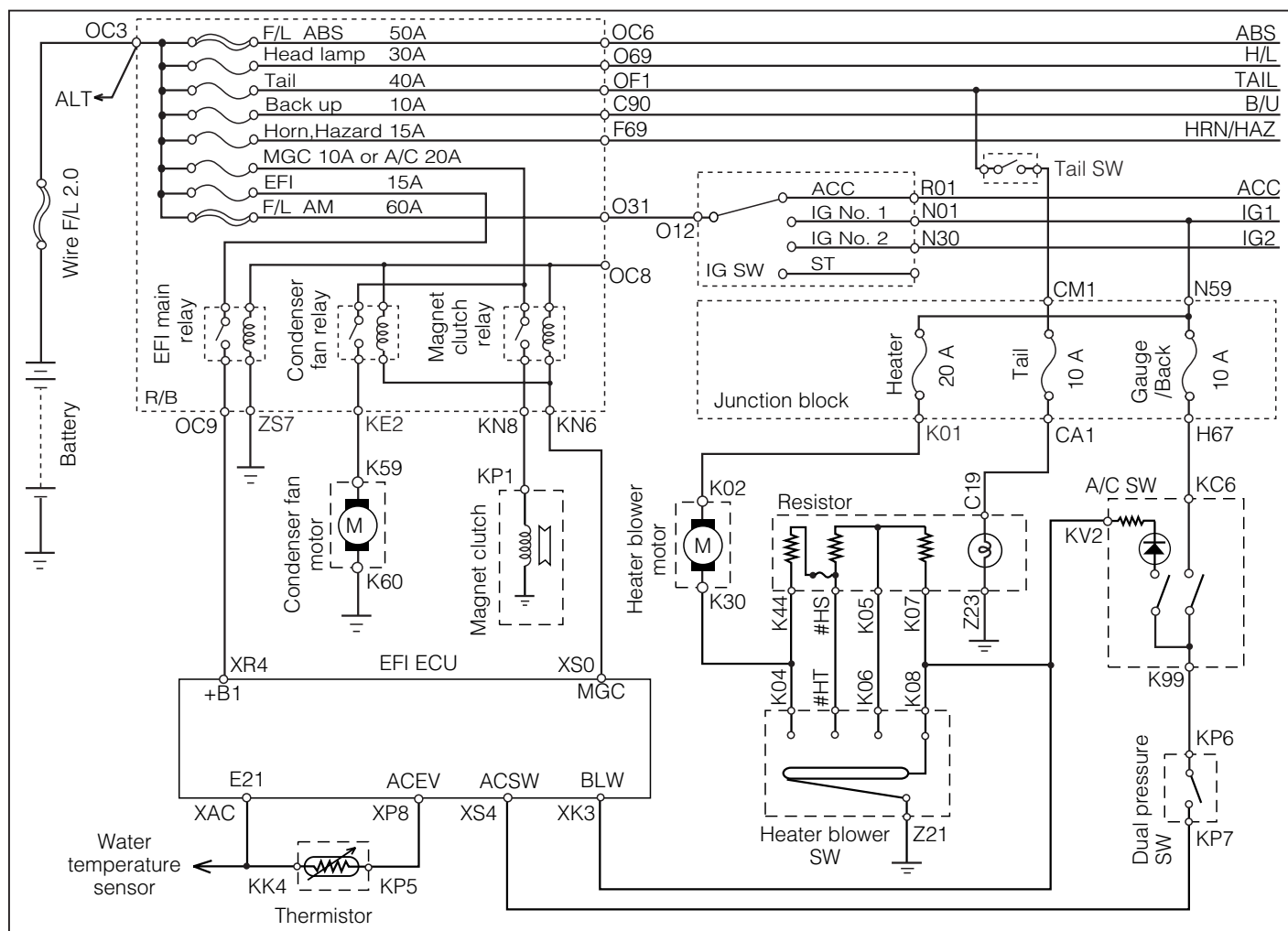
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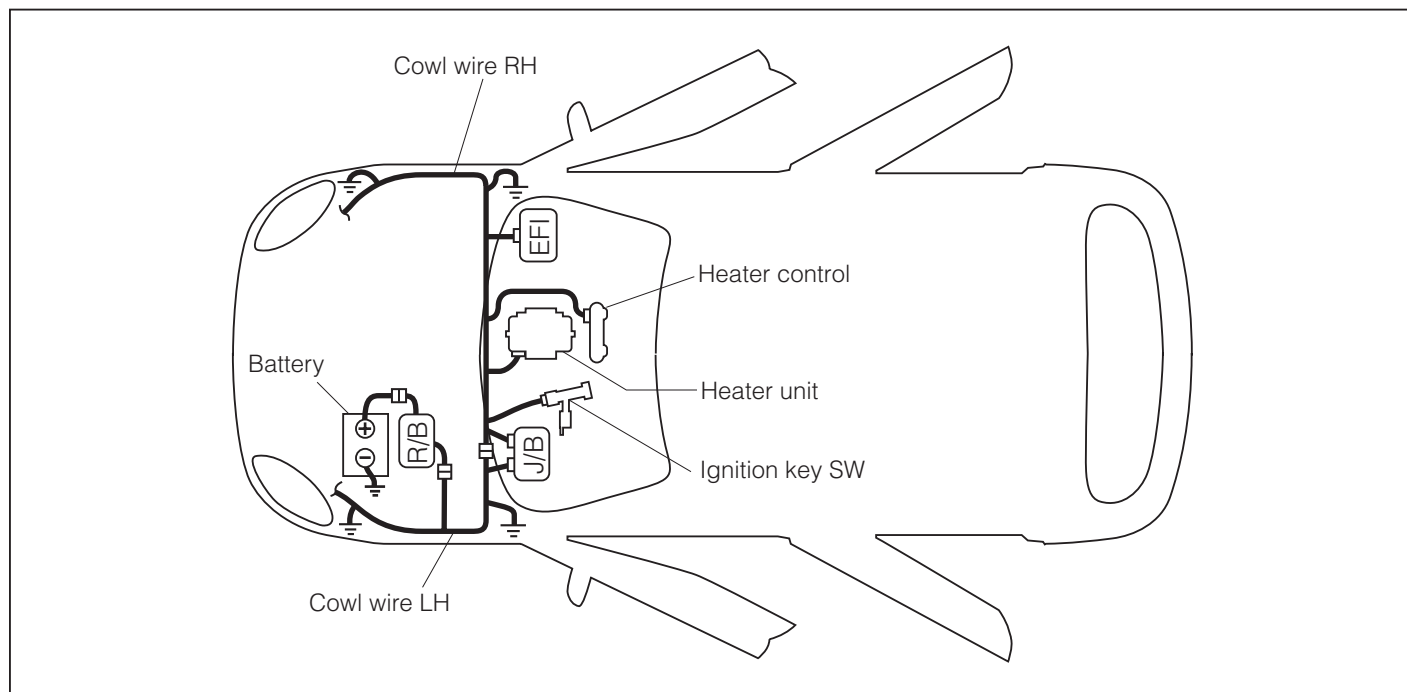
HEATER & VENTILATION

CIRCUIT DIAGRAM



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CIRCUIT LAYOUT



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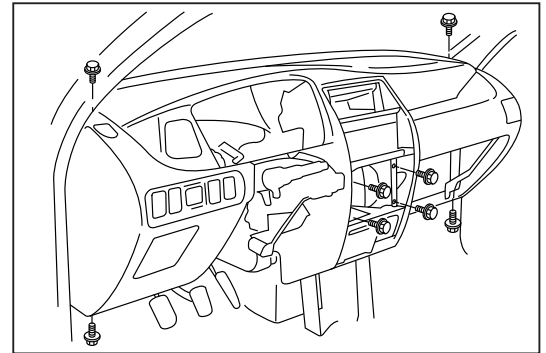
REMOVAL

1. Turn off the ignition key switch.
2. Remove the instrument panel assembly.

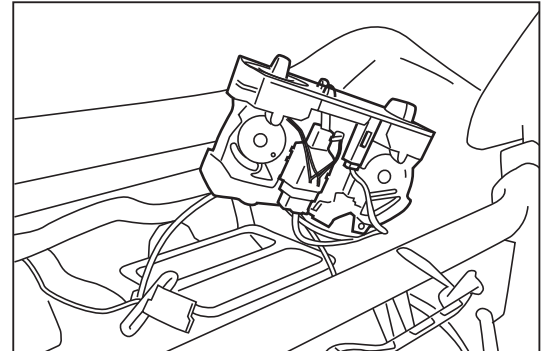
NOTE:

- As regards the removal procedure for the instrument panel, refer to BO section of the service manual No. 9721-ME.

3. Disconnect the connector of blower switch.
4. Disconnect the connector of the air conditioner switch, if equipped.
5. Disconnect the control cables from the heater unit.



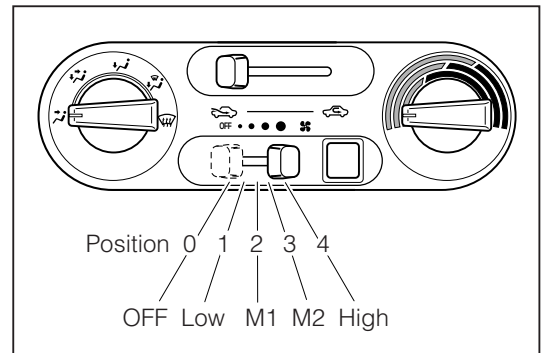
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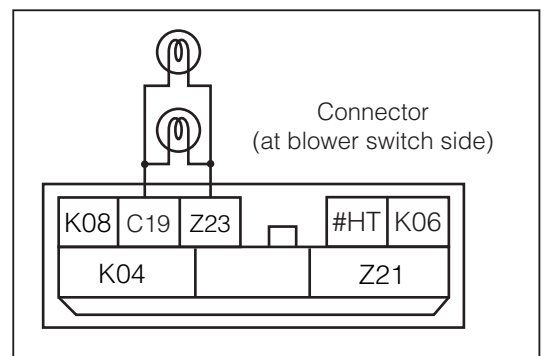
INSPECTION OF HEATER CONTROL**BLOWER SWITCH****Unit inspection**

When the blower switch is set to each stage, ensure that continuity exists between the respective terminals as indicated in the table below.



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	Z21	K08	K06	#HT	K04
0 (OFF)	○				
1 (Low)	○	○			
2 (Medium 1)	○	○	○		
3 (Medium 2)	○	○		○	
4 (High)	○	○			○

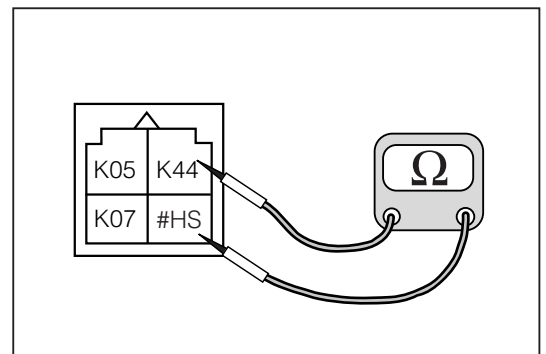


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BLOWER RESISTER**Unit inspection**

1. Disconnect the connector of the blower resistance.
2. Ensure that resistance between the respective terminals conforms to the following specifications.

Between Terminal K07 and K05: 1.8 Ω
 Between Terminal K05 and #HS: 0.82 Ω
 Between Terminal #HS and K44: 0.5 Ω
 Between Terminal K07 and K44: 3.12 Ω



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AIR CONDITIONER

Replenishing amount of refrigerant gas

WARNING:

- When the refrigerant gas is replenished from the high-pressure side, never start the engine. Failure to observe this warning may cause a reverse flow of the refrigerant gas, resulting in burst of the gas can, cylinder, etc.

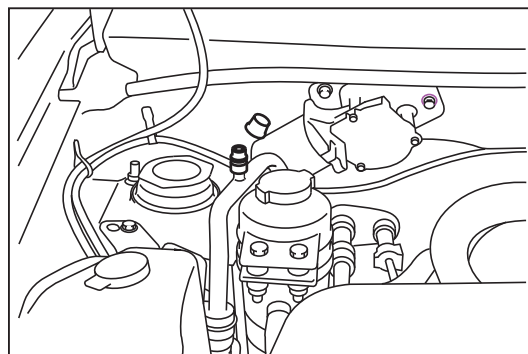
NOTE:

- Excessive charging of the refrigerant gas will affect the cooling performance adversely.
- Replenish the refrigerant gas, until you see no bubbles through the sight glass.
 - After you confirm that bubbles have disappeared by seeing through the sight glass, add another 50 g of refrigerant gas.

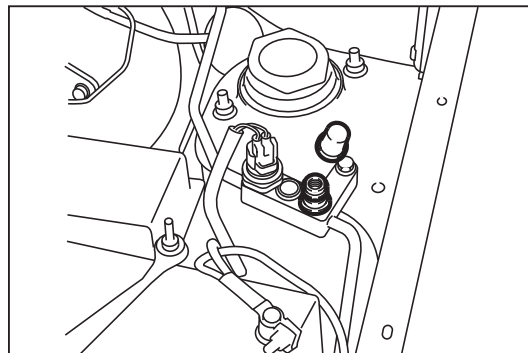
Replenishing Amount of Refrigerant Gas:

Parallel condenser type 400 ± 30 g

Series condenser type 380 ± 30 g



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MBE00010-00009

Replenishment of compressor oil

- Be sure to use the designated compressor oil.
Name of Compressor Oil: ND-OIL-8
- Replenishing amount of compressor oil

(1) When condenser only has been replaced:	40 cc
(2) When cooling unit only has been replaced:	40 cc
(3) When compressor only has been replaced:	The oil amount of a new compressor should be the same as that of the compressor that has been replaced.

NOTE:

- Some compressor oil remains in the cooling unit or condenser. Hence, the oil of that remaining amount must be drained from the new compressor.

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Tension adjustment of compressor belt

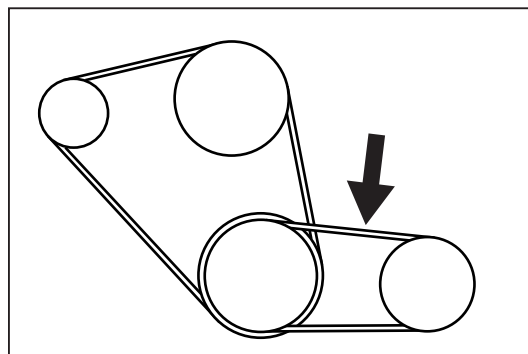
Ensure that the tension of the compressor belt is within the specifications given below.

When New Belt is Mounted: 490 ± 49 N·m
(50 ± 5 kg-f)

When Used Belt is Mounted: 343 ± 49 N·m
(35 ± 5 kg-f)

NOTE:

- If the tension does not comply with the specifications above, adjust it by loosening the bolt.



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SPEEDOMETER CABLE

REMOVAL

1. Loosen the heater case retaining bolts (two points on the lower side) in advance.
2. Pull off the hazard warning switch knob on the steering column.
3. Take out the combination meter from the instrument panel.
4. Disconnect the cable from the meter, while holding the pawl of the resin hook at the speedometer cable joint section.
5. Detach the cable clamp attached to the pedal bracket.

NOTE:

- For easier operation of detaching the cable, remove the resin hook from the cable in the case of R.H.D. vehicles.

6. Pull out the cable straight, while holding the lock release lever of the speedometer cable joint section on the transmission side.
7. Pull out the cable through the dash panel-through-hole. At this time, it is recommended to tilt the heater case slightly so that you can pull out the meter cable easily.

NOTE:

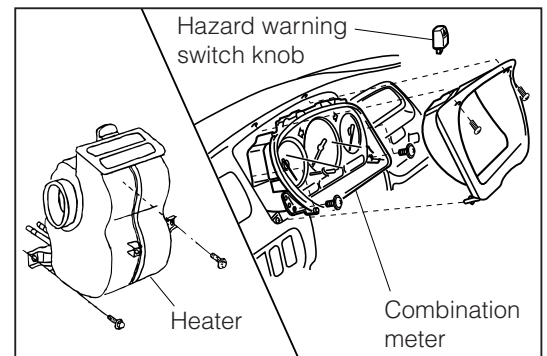
- Care must be exercised so that the joint section of the cable terminal may not be caught in the other parts nearby.

INSTALLATION

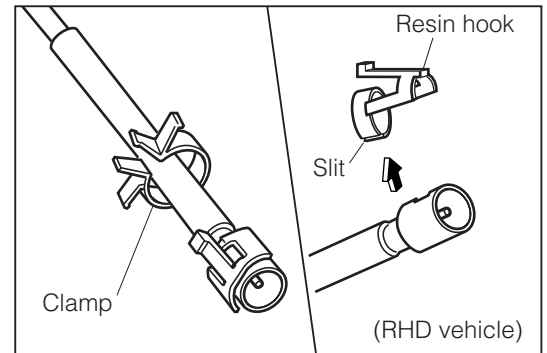
1. Loosen the heater case retaining bolts (two points on the lower side) in advance.
2. Pass the cable through the dash panel through hole and route the cable.
At this time, it is recommended to tilt the heater case slightly so that you can insert the meter cable easily.
3. While passing the cable through the clamp, attach the clamp to the pedal bracket.
4. Connect the cable to the transmission.
5. If the resin hook was removed at the step 5 above, install it to the original position at this stage.
6. Connect the cable to the meter.

NOTE:

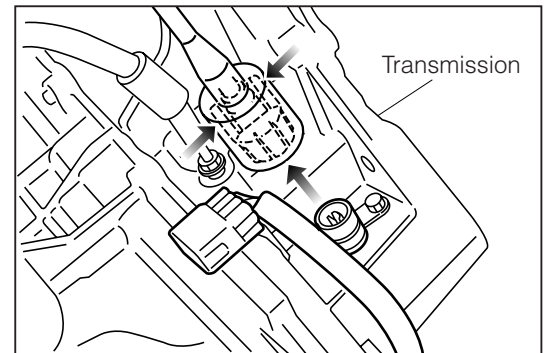
- After inserting the joint section of the cable into the meter, ensure that the cable cannot be disconnected.
7. Tighten the heater case retaining bolts (two points on the lower side).
 8. Install the meter to the instrument panel.



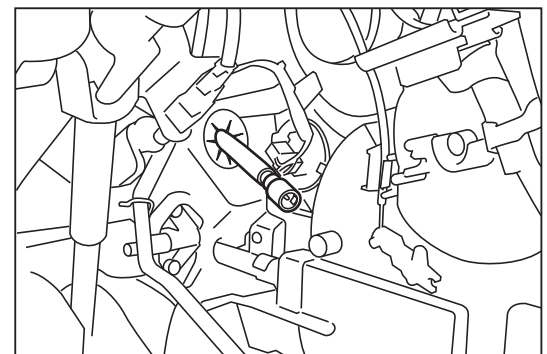
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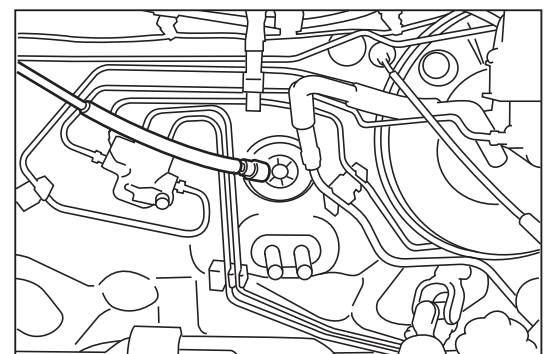
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