

HEATER AND VENTILATOR

4-6

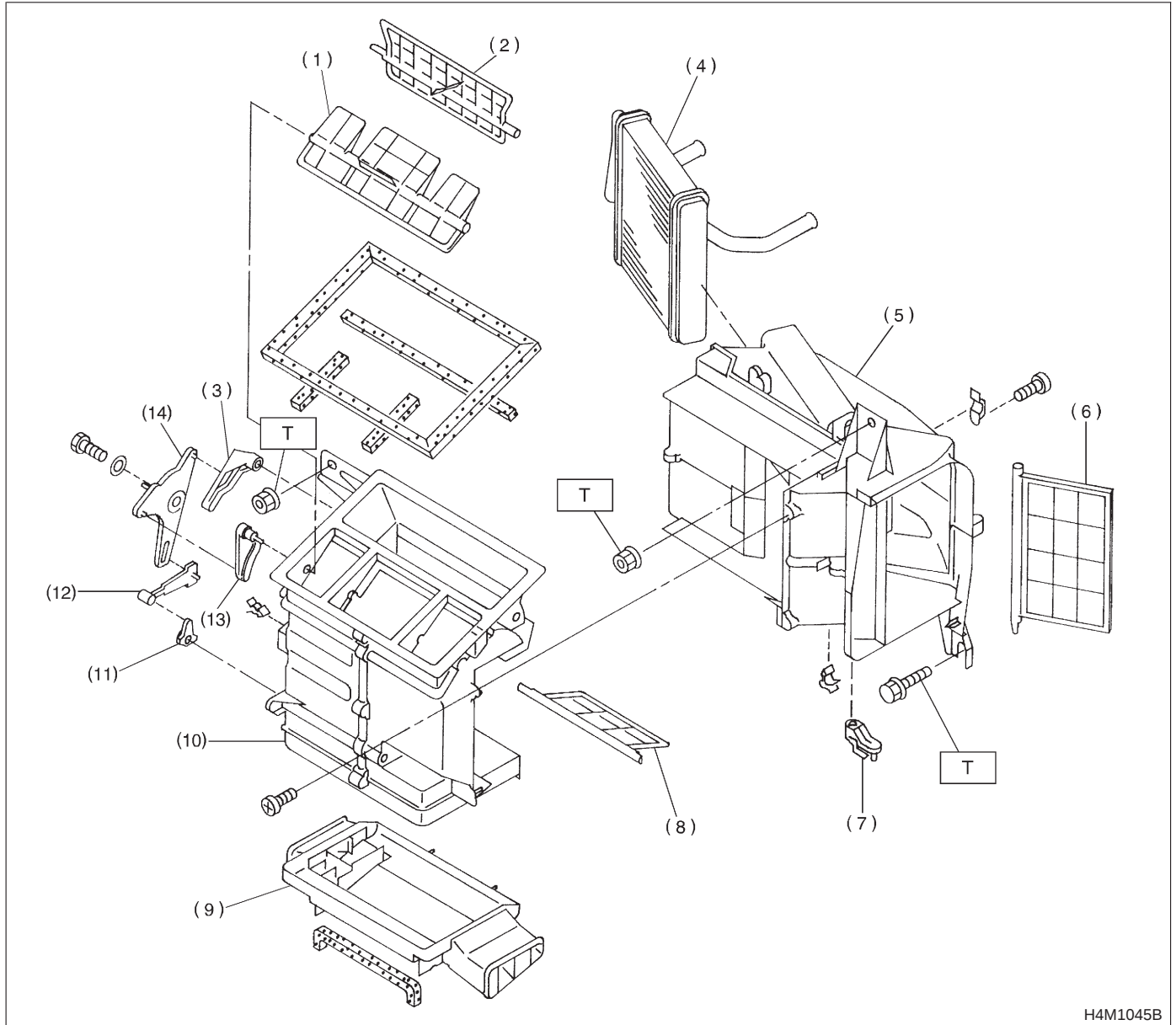
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1. Specifications

A: HEATER SYSTEM

Item		Specifications	Condition	
Heating capacity		4.652 kW (4,000 kcal/h, 15,872 BTU/h) or more	● Mode selector switch	: HEAT
			● Temperature control switch	: FULL HOT
			● Temperature difference between hot water and inlet air	: 65°C (149°F)
			● Hot water flow rate : 360 ℓ (95.1 US gal, 79.2 Imp gal)/h	
Air flow rate		270 m ³ (9,534 cu ft)/h	Heat mode (FRESH), FULL HOT at 12.5 V	
Max air flow rate		480 m ³ (16,949 cu ft)/h	● Temperature control switch	: FULL COLD
			● Blower fan speed	: 4th position
			● Mode selector lever	: RECIRC
Heater core size (height x length x width x thickness)		192.4 x 152.0 x 25.0 x 1.8 mm (7.57 x 5.98 x 0.984 x 0.071 in)	—	
Blower motor	Type	Magnet motor 200 W or less	at 12 V	
	Fan type and size (diameter x width)	Sirocco fan type 150 x 75 mm (5.91 x 2.95 in)	—	

1. Heater Unit



- (1) Vent door
- (2) DEF door
- (3) DEF lever
- (4) Heater core
- (5) Heater case FRONT
- (6) Mix door

- (7) Mix lever
- (8) Foot door
- (9) Foot duct
- (10) Heater case REAR
- (11) Foot lever lower
- (12) Foot lever upper

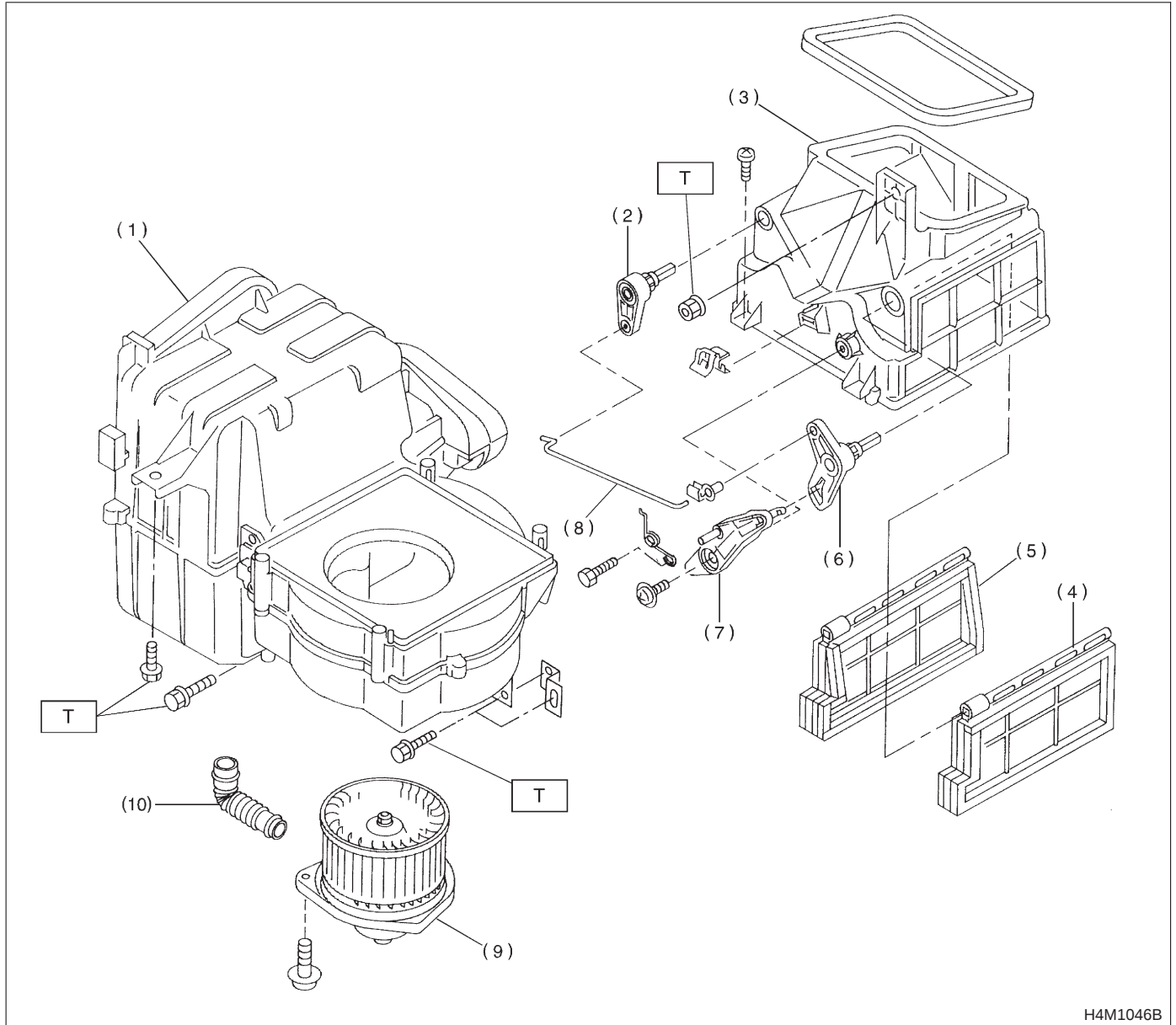
- (13) Vent lever
- (14) Side link

Tightening torque: N·m (kg-m, ft-lb)

T: 7.35±1.96

(0.750±0.200, 5.421±1.446)

2. Intake Unit



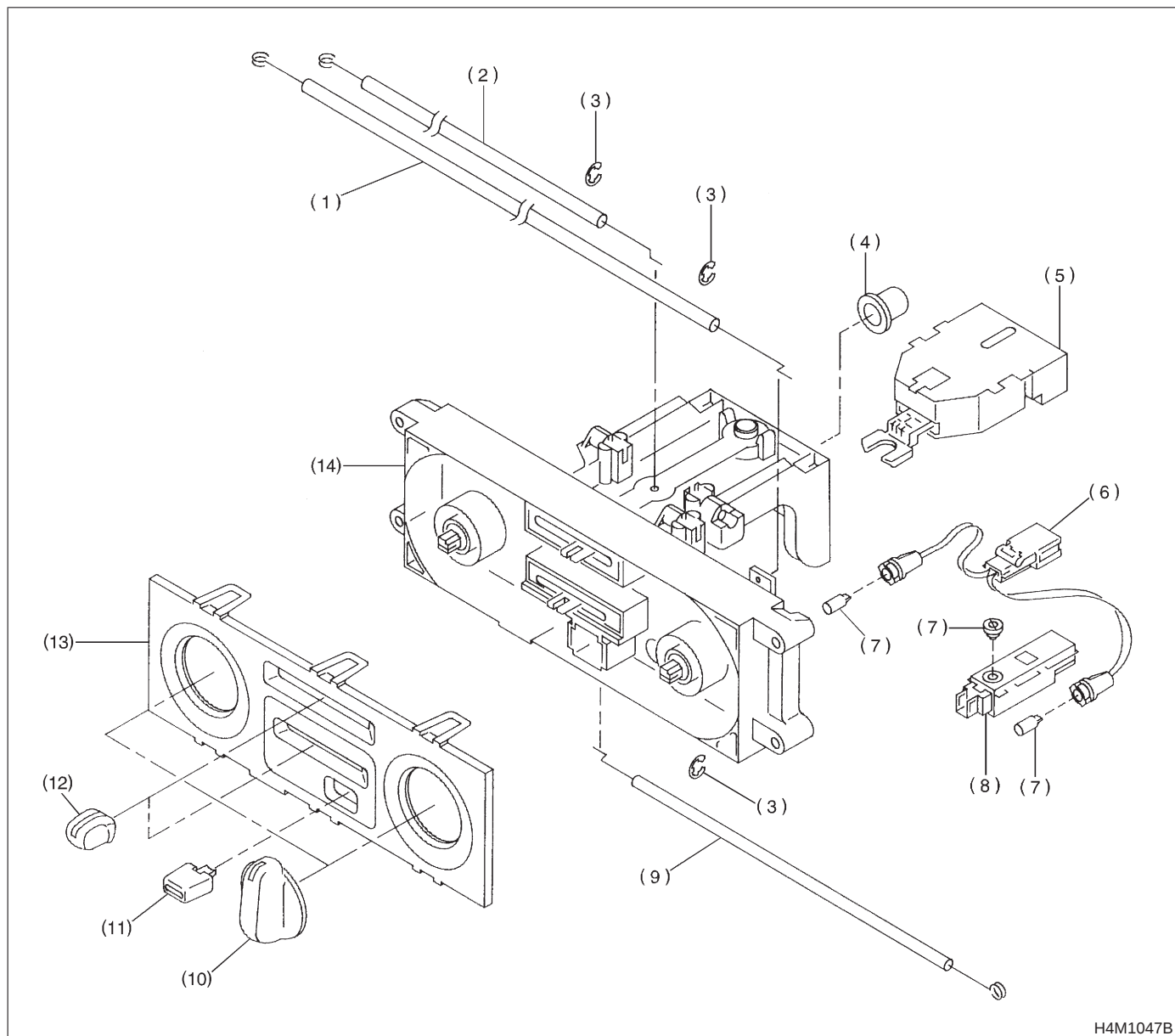
- | | |
|----------------------------|-----------------------|
| (1) Intake unit case lower | (6) Lever (A) |
| (2) Lever (B) | (7) Link |
| (3) Intake unit case upper | (8) Rod |
| (4) Door (A) | (9) Blower motor ASSY |
| (5) Door (B) | (10) Aspirator pipe |

Tightening torque: N·m (kg·m, ft·lb)

T: 7.35±1.96

(0.750±0.200, 5.421±1.446)

3. Control Unit



H4M1047B

- | | | |
|-------------------------------|------------------------|-------------------------|
| (1) Temperature control cable | (6) Harness ASSY | (11) A/C switch knob |
| (2) Recirc control cable | (7) Bulb | (12) Control lever knob |
| (3) Clip | (8) A/C switch ASSY | (13) Plate |
| (4) Grommet | (9) Mode control cable | (14) Base unit |
| (5) Blower switch ASSY | (10) Control dial knob | |

1. Precaution

A: SUPPLEMENTAL RESTRAINT SYSTEM "AIRBAG"

Airbag system wiring harness is routed near the instrument panel, heater unit, blower motor and control unit.

CAUTION:

- All Airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuit.
- Be careful not to damage Airbag system wiring harness when servicing the instrument panel, heater unit, blower motor and control unit.

2. Heater Unit

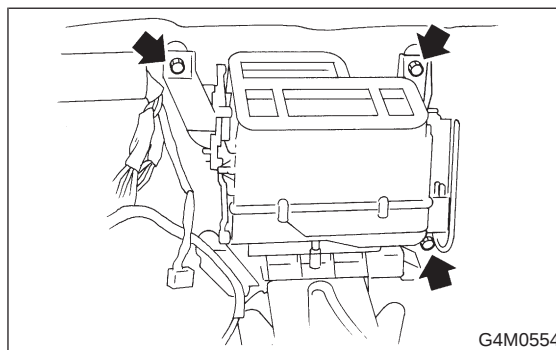
A: REMOVAL AND INSTALLATION

- 1) Disconnect GND cable from battery.
- 2) Remove heater hoses (inlet, outlet) in engine compartment.

NOTE:

Drain as much coolant from heater unit as possible, and plug disconnected hose with cloth.
<Ref. to 2-5 [W200].>

- 3) Remove instrument panel.
<Ref. to 5-4 [W1A0].>
- 4) Remove steering support beam.
<Ref. to 5-1 [C600].>
- 5) Remove cooling unit.
<Ref. to 4-7 [W14A0].>
- 6) Remove heater unit.



- 7) Installation is in the reverse order of removal.

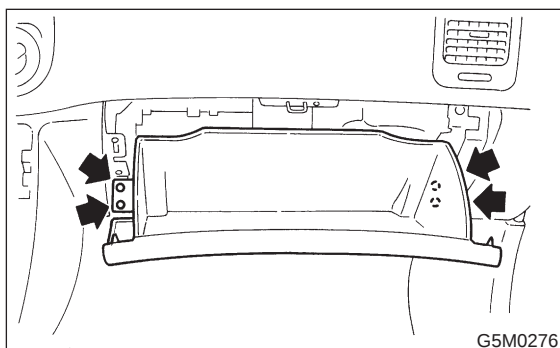
Fitted length of heater hose over pipe:
 27.5 ± 2.5 mm (1.083 ± 0.098 in)

- 8) Pour coolant.
<Ref. to 2-5 [W200].>

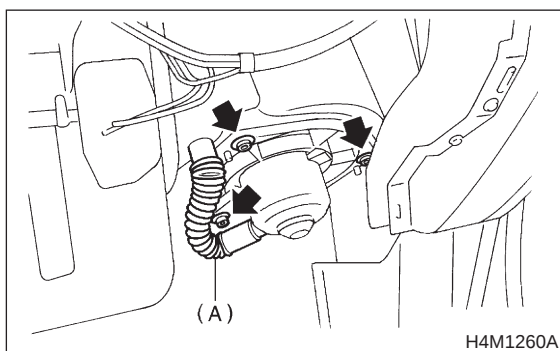
3. Blower Motor Assembly

A: REMOVAL AND INSTALLATION

- 1) Disconnect GND cable from battery.
- 2) Remove glove box.



- 3) Disconnect blower motor harness connector.
- 4) Disconnect aspirator pipe (A).
- 5) Remove blower motor mounting screw.



- 6) Remove blower motor assembly.
- 7) Installation is in the reverse order of removal.

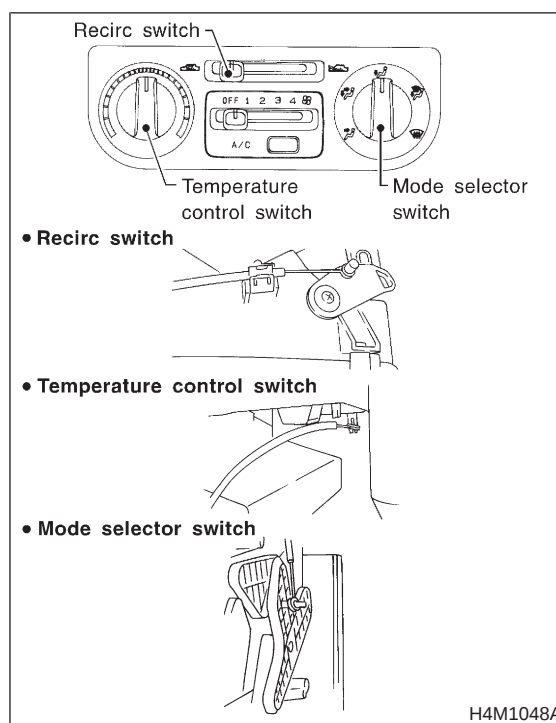
4. Control Unit

A: REMOVAL AND INSTALLATION

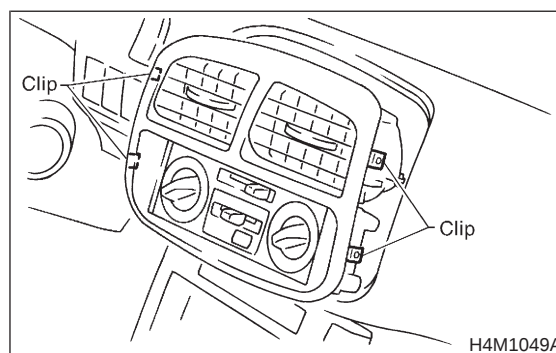
- 1) Disconnect GND cable from battery.
- 2) Set temperature control switch to "FULL HOT" and mode selector switch to "DEF" position and recirc switch to "FRESH" position.
- 3) Disconnect temperature control cable and mode door control cable from heater unit then disconnect recirc control cable from intake unit.

NOTE:

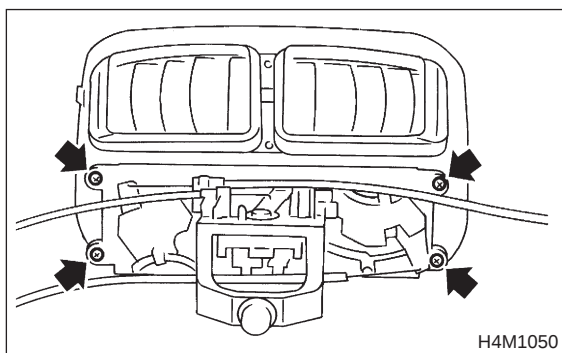
Do not attempt to move links during installation.



- 4) Remove center panel from instrument panel then disconnect connectors.



5) Remove control unit assembly from center panel.



6) Installation is in the reverse order of removal.

NOTE:

Before installing control unit, set temperature control switch to "FULL HOT" and mode selector switch to "DEF" position and recirc switch to "FRESH" position.

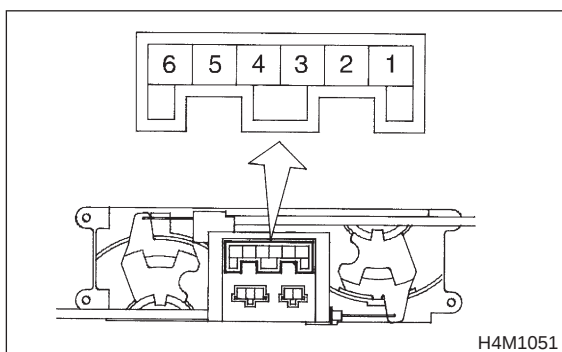
B: INSPECTION

1. FAN SWITCH

Check continuity between terminals at each switch position.

Switch position	Terminals					
	1	2	3	4	5	6
1	○				○	○
2	○			○		○
3	○		○			○
4	○	○				○
	IGN					GND

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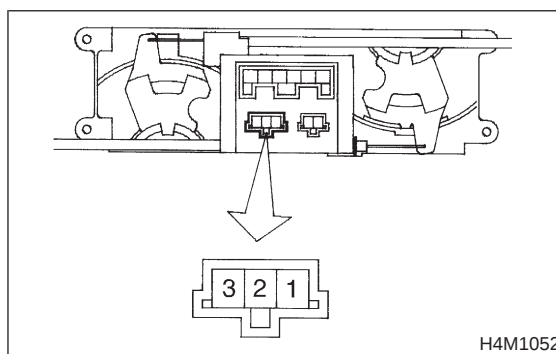


2. A/C SWITCH

Check A/C switch continuity between each terminal.

Terminal	Switch ON	Illumi.
1		○
2	○	○
3	○	○

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C: ADJUSTMENT

1) Operate temperature control switch to "FULL COLD" and mode selector switch to "VENT" position and recirc switch to "RECIRC" position.

2) Install control cable to lever. While pushing outer cable, secure control cable with clip.

