BACK DOOR WINDOW DEFOGGER

SPECIFICATIONS

NERAL SPECIFICATIONS

N08PB–

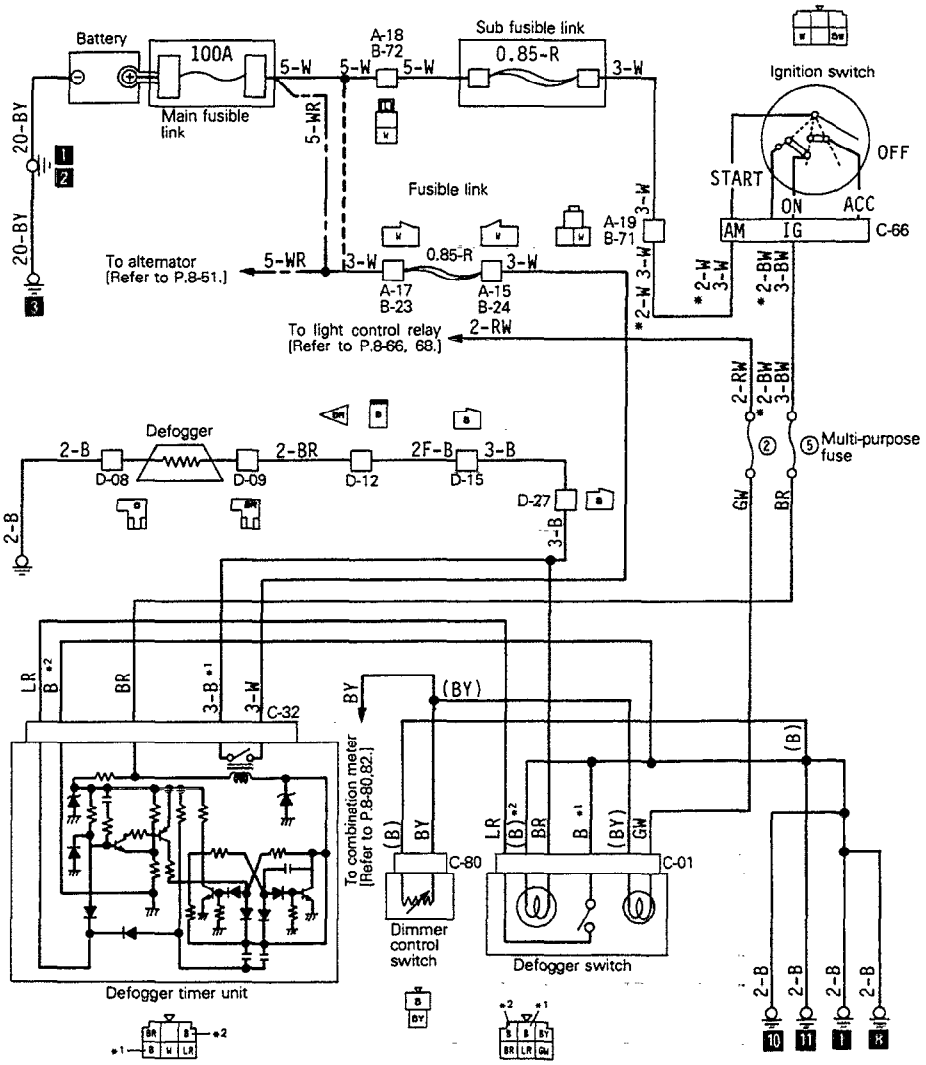
Items	Specifications
Back door window defogger switch	
Type	Seesaw type
Rated current A	20
Back door window glass with defogger	
No. of printed heater lines	11
Power consumption [20°C(68°F)] W	112–148

TROUBLESHOOTING

N08PHBB

DEFOGGER CIRCUIT

CIRCUIT DIAGRAM



Remarks
(1) The broken line (– – – –) and lines indicated by the * symbol are applicable to 2.6-liter models.
(2) The chain line (– · – · –) is applicable to 3.0-liter models.
(3) For information concerning the ground points (example: 1), refer to P.8-12, 14.

Wiring color code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
LI: Light blue	O: Orange	P: Pink	R: Red	Y: Yellow	W: White

37W721

OPERATION

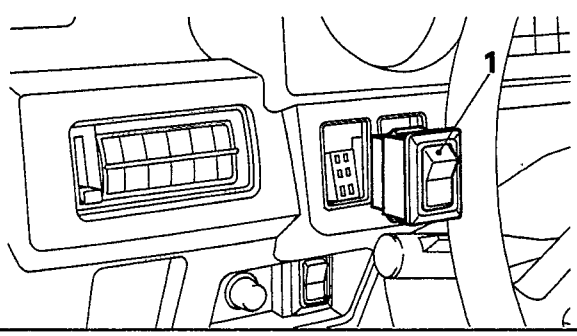
- With the ignition switch at the "ON" position, voltage is applied, through fuse No. 5 and the defogger timer unit, to the defogger switch.
- When the defogger switch is switched ON (automatic return), current flows to fuse No. 5, the defogger timer unit, the defogger switch, and ground, and the timer switch (within the defogger timer unit) operates for ten minutes.
- When the timer switch is activated, current flows to the fusible link, the defogger timer unit, the defogger, and ground, and the defogger is activated.

TROUBLESHOOTING HINTS

1. Both defogger and indicator light do not operate
   (1) Blower motor also does not operate
      - Check fuse.
   (2) Blower motor operates
      - Check defogger switch.
2. Defogger does not operate
   (1) Indicator light goes on
      - Check defogger.

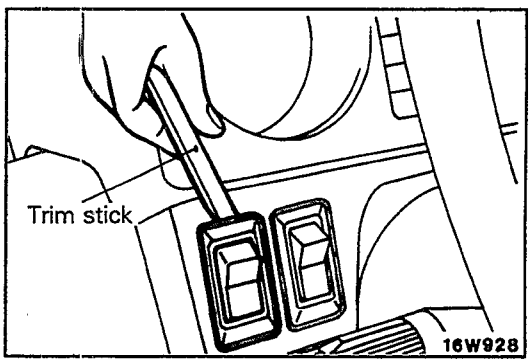
DEFOGGER SWITCH

REMOVAL AND INSTALLATION



◀II▶ 1. Defogger switch

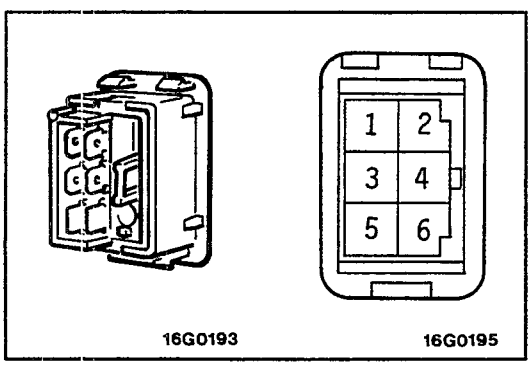
NOTE
◀II▶ : Refer to "Service Points of Removal".



SERVICE POINTS OF REMOVAL

1. REMOVAL OF DEFOGGER SWITCH

Insert the trim stick into the switch and pry the switch to remove it from the instrument panel.



INSPECTION

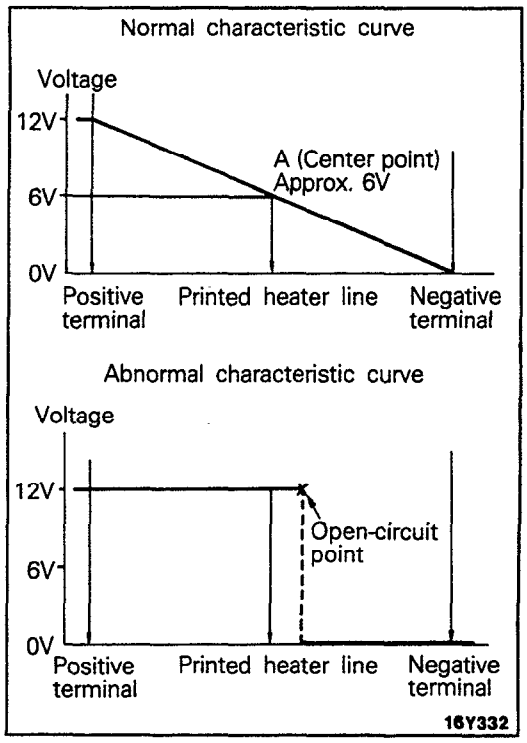
DEFOGGER SWITCH

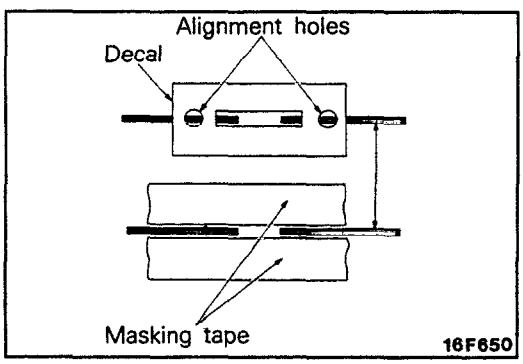
(1) Remove the defogger switch from the instrument panel and connect an ohmmeter to the switch side connector.
(2) Operate the switch and check the continuity between the terminals.

*: Indicator light
**: Illumination light

Switch position \ Terminal	3	4	5	*	6	1	**	2
OFF			○	ⓤ	○	○	ⓤ	○
ON	○	○	○	ⓤ	○	○	ⓤ	○

NOTE
○—○ indicates that there is continuity between the terminals.





PRINTED HEATER LINES

INSPECTION

N08PKAA

1. The printed heater lines should be tested while the engine is running at 2,000 rpm and the battery is being charged.
2. Turn the defogger switch to the "ON" position, and use voltmeter to measure the voltage of each printed heater line at the back door window glass center point "A".
3. If all of the heater lines indicate approximately 6V, the back door window printed heater lines are functioning properly.
4. If a voltage of 12V is indicated at point "A", the heater line is broken between point "A" and the negative (–) terminal. Move the test probe gradually toward the negative (–) terminal, and search for the place where there is a sudden change in the voltage (to 0 V).
5. This place where the voltage suddenly changes indicates the location of the broken heater line.
6. If 0V is indicated at point "A", the heater line is broken between point "A" and the positive (+) terminal. Find the point where there is a sudden change in the voltage (to 12V), as described in step 4. above.

REPAIR

1. Prepare the following items:
   - Conductive paint
   - Paint thinner
   - Masking tape, decal, etc.
   - Unleaded gasoline
   - Thin brush

   Wipe the glass adjacent to the broken heater line, clean with unleaded gasoline, and bond a decal or masking tape as shown.
2. Shake the electroconductive paint container well, and remove the amount of paint needed. Dilute it with a small quantity of paint thinner, and apply three coats with the brush at intervals of about 15 minutes.
3. Remove the tape or decal and leave the repaired defogger unused for a while before supplying power.
4. For a better finish, scrape away excess deposits with a knife after drying is complete (one day later).

Caution

After repair, clean the glass with a soft dry shop towel or wipe along the printed heater line with a slightly moistened shop towel.