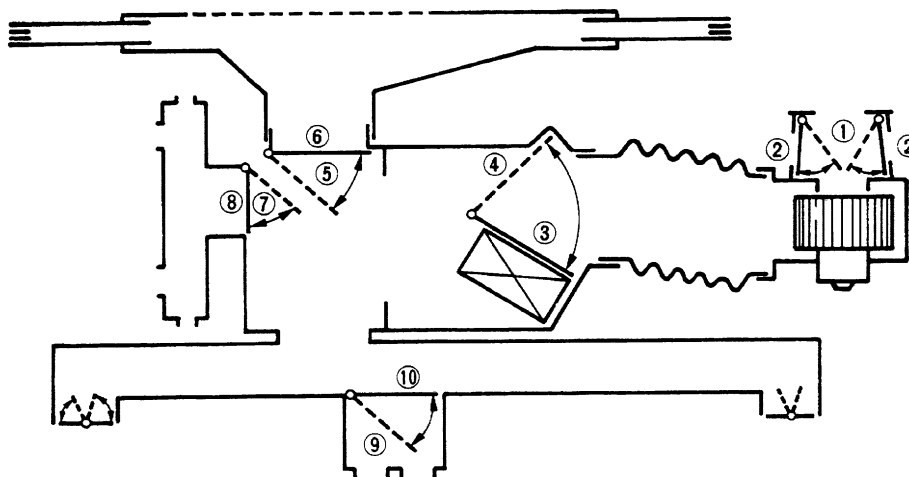


HEATER

Troubleshooting

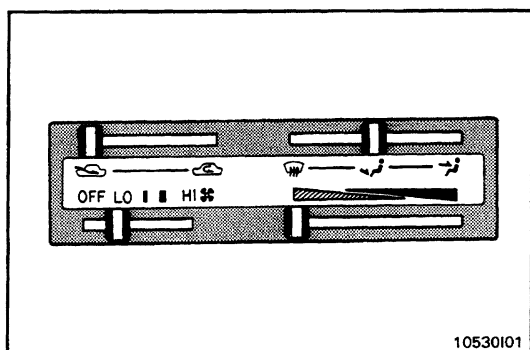
Problem	Possible cause	Remedy	Page	
			Front	Rear
Blower does not work when fan switch is on	Heater circuit breaker OFF Heater relay faulty Heater blower switch faulty Heater blower resistor faulty Heater blower motor faulty Wiring or ground faulty	Reset breaker and check for short Check relay Check switch Check resistor Replace motor Repair as necessary	BE-3 BE-36 BE-36 BE-37 BE-37	BE-3 BE-36 BE-36 BE-37 BE-37
Incorrect temperature output	Control cables broken or binding Heater hoses leaking or clogged Water valve faulty Air dampers broken Air ducts clogged Heater radiator leaking or clogged Heater control unit faulty	Check cables Replace hose Replace valve Repair dampers Repair ducts Replace radiator Repair control unit	BE-35	

Damper Positions



BE2547

Damper	Air Inlet		Air Mix		Mode Selector		
	RECIRC	FRESH	COOL	WARM	DEF	FOOT	FACE
Dampers Position	①	②	③	④	⑤ ⑧ ⑩	⑥ ⑦ ⑩	⑥ ⑧ ⑨

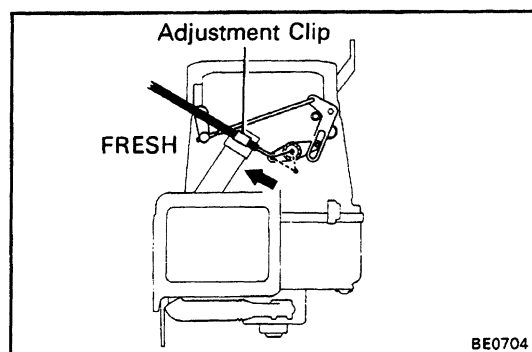


Inspection and Adjustment

HEATER CONTROL

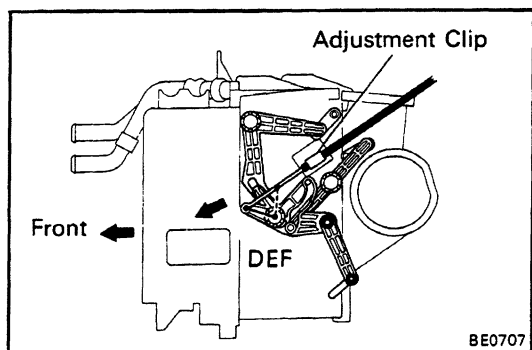
(Inspect Heater Control Cable Operation)

Move the control levers left and right and check for stiffness and binding through the full range of the levers.



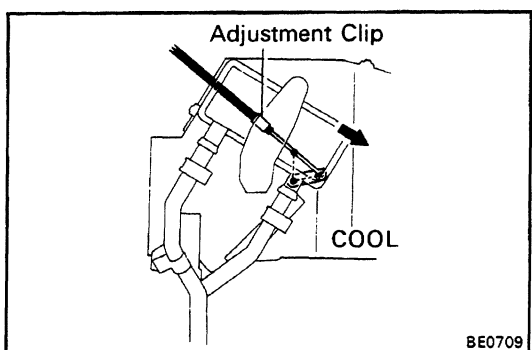
(Set Air Inlet Damper)

Set the air inlet damper and control lever to "FRESH".



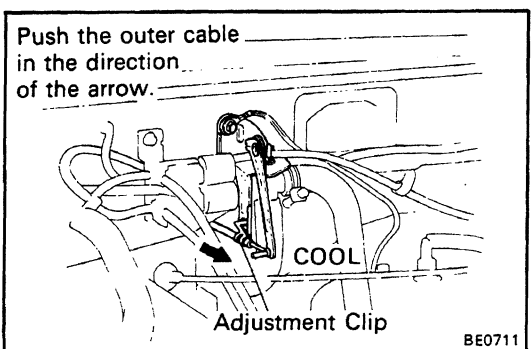
(Set Mode Selector Damper)

Set the mode selector and control lever to "DEF."



(Set Air Mix Damper)

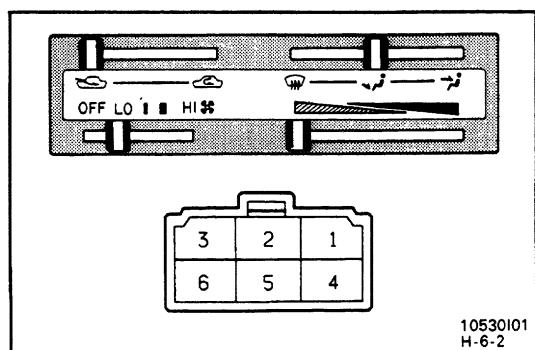
Set the air mix damper and control lever to "COOL"



(Set Water Valve)

Set the water valve and control lever to "COOL".

HINT: Place the water valve lever on "COOL" and while pushing the outer cable in the "COOL" direction, clamp the outer cable to the water valve bracket.



Parts Inspection

1. INSPECT SWITCHES

(Front Heater Blower Switch/ Continuity)

Terminals	1	2	3	4	5	6
Condition						
OFF						
I		○	○	○		
II	○		○	○		
III			○	○		○
1V (Hi)			○	○	○	

(Rear Heater Blower Switch /Continuity)

Terminals	1	2	3	4
Switch position				
HI	○	○		○
OFF				
LO		○	○	○

BE2060 GA-4-2

If continuity is not as specified, replace the switch.

2. INSPECT RELAYS

(Front Heater Relay/ Continuity)

Terminals	1	2	3	4	5
Condition					
Constant	○	○	○	○	
Apply battery voltage to terminals 1 and 3.				○	○

BE1013 BE1844

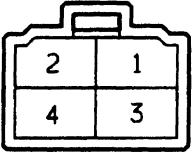
(Rear Heater Relay/ Continuity)

Terminals	1	2	3	4	5
Condition					
Constant	○	○	○	○	○
Apply battery voltage to terminals 2 and 6.		○		○	

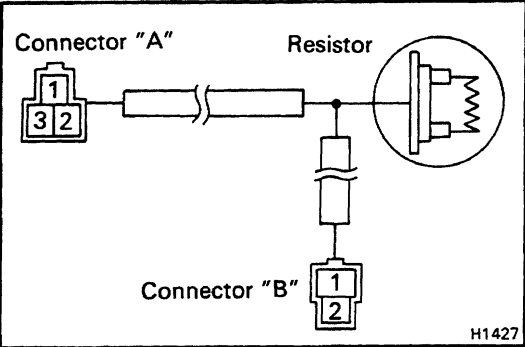
BE0007 BE2353

If continuity is not as specified, replace the relay.

3. INSPECT RESISTORS
(Front Heater Blower Resistor/ Continuity)

 H-4-2	Terminals	1	2	4	3
	Condition				
	Constant				

(Rear Heater Blower Resistor/ Continuity)



Terminals	Connector "A"			Connector "B"	
	1	2	3	1	2
Condition					
Constant					

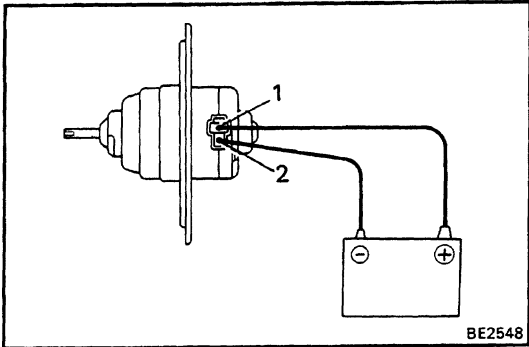
If continuity is not as specified, replace the resistor.

4. INSPECT HEATER BLOWER MOTOR

(Front Heater Blower Motor/ Operation)

Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor operation is smooth.

If operation is not as specified, replace the motor.



(Rear Heater Blower Motor/ Operation)

Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor operation is smooth.

If operation is not as specified, replace the motor.

