



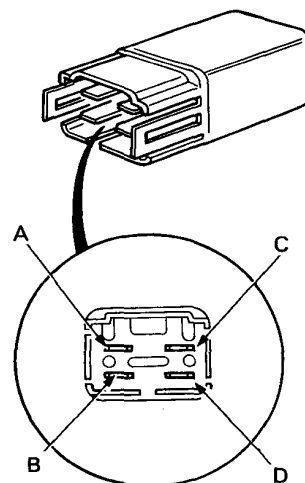
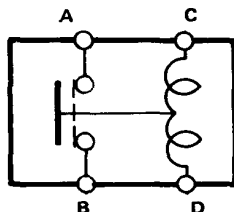
## Troubleshooting

NOTE: The numbers in the table show the troubleshooting sequence.

Item to be inspected		Symptom										
		Blown No. 39 (20 A) No. 36 (15A) or No. 35 (10 A) fuse (in the under-hood relay box)	Radiator fan or condenser fan relay	Blown No. 17 (15 A) fuse (in the dash fuse box)	Blown No. 12 (10 A) fuse (in the dash fuse box)	Coolant temperature switch	TA switch	Radiator fan or condenser fan motor	Faulty fan timer unit	A/C system	Poor ground	Open circuit in wires or loose or disconnected terminals
Only one fan operates (with engine and A/C ON).		1	2					3			G201 G202 G203	BLU/BLK <sup>1</sup> , BLU/BLK <sup>2</sup> or BLU
Fans do not rotate	Under all conditions.			1		3	2		4		G203	BLK/YEL <sup>1</sup> . BLK/YEL <sup>2</sup>
	A/C ON									1		BLU
Fan timer unit fails to function properly.		1							2	3	G401 G402 G471	WHT/GRN, BLU WHT/YEL

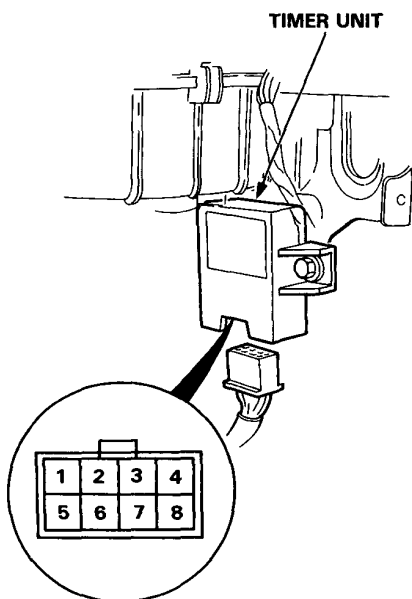
## Relay Test

1. Remove the radiator or condenser relay in the under-hood relay box.
2. There should be continuity between the A and B terminals when the battery is connected to the C and D terminals. There should be no continuity when the battery is disconnected.



# Cooling Fan Control

## Timer Unit Terminals

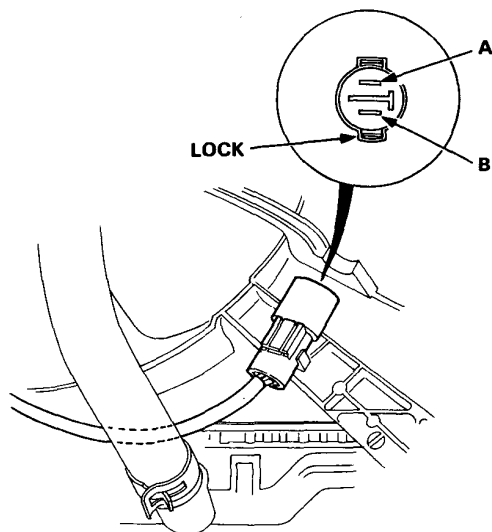


Terminal	Wire	Destination
1	YEL/ BLK	Condenser fan relay ⊕
2	BLK/ YEL <sup>1</sup>	Power supply (for condenser and radiator fan relay by way of timer unit with ignition switch ON)
3	RED/ GRN	Cooling fan relay ⊕
4	BLK	Ground
5	WHT/ GRN	TA switch
6	WHT/ YEL	Constant power (For condenser fan motor relay by way of timer unit)
7	BLK/ YEL <sup>2</sup>	IG1 (Timer reset signal)
8	BLU	Condenser and radiator fan relay ⊖

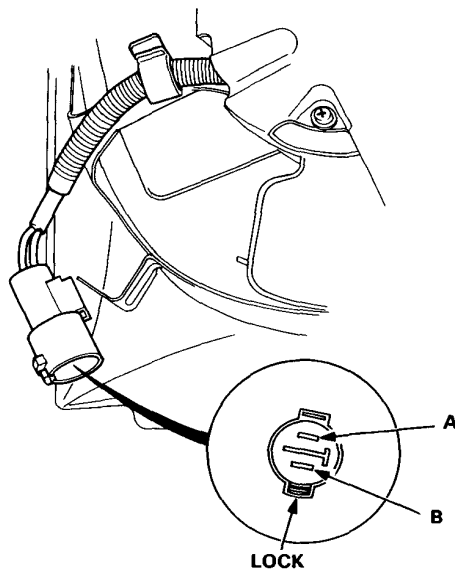
## Fan Motor Test

1. Disconnect the 2-P connector from the fan motor.
2. Test motor operation by connecting battery positive to the A terminal, and negative to the B terminal.
3. If the motor fails to run smoothly, replace it.

### Radiator Fan Motor:



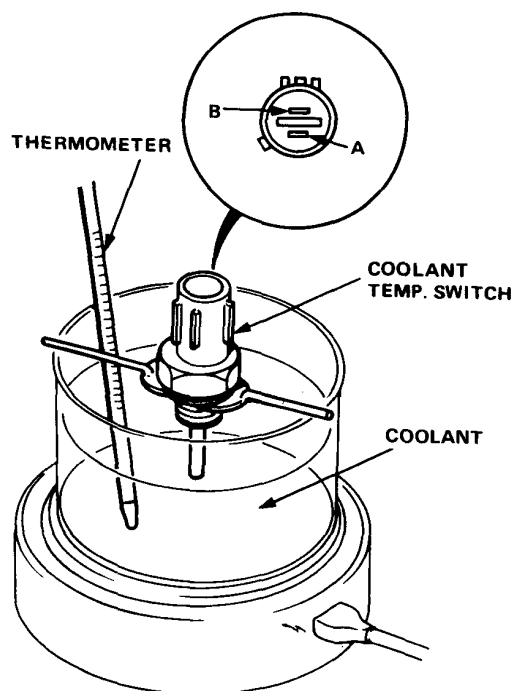
### Condenser Fan Motor:





## Coolant Temperature Switch Test

1. Remove the coolant temperature switch from the radiator.
2. Suspend the coolant temperature switch in a container of coolant as shown.

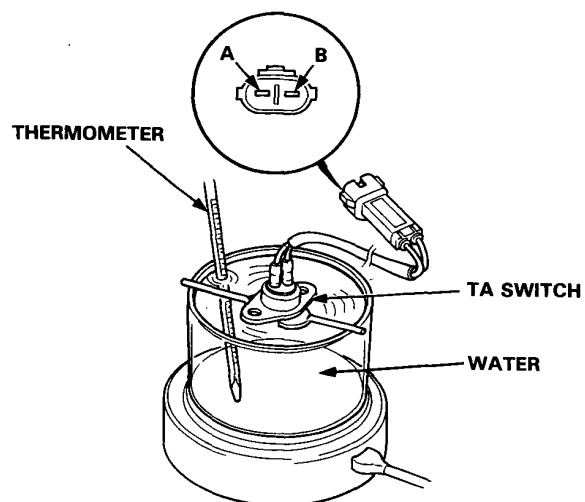


3. Heat the coolant and check coolant temperature with a thermometer.
4. Measure the resistance between the A and B terminals according to the table.

Terminal		A	B
Temperature			
Above	87–93°C (189–199°F)	○	○
Below	80–91°C (176–196°F)		

## TA Switch Test

1. Remove the TA switch.
2. Suspend the TA switch in a container of water as shown.



3. Heat the water and check water temperature with a thermometer.
4. Check for continuity between the A and B terminals according to the table.

Terminal		A	B
Temperature			
Below	37–47°C (99–116°F)	○	○
Above	57–63°C (135–145°F)		