

## 2002 Acura MDX

### 2002 ENGINE COOLING Electric Cooling Fans - MDX

## 2002 ENGINE COOLING

### Electric Cooling Fans - MDX

## DESCRIPTION

**NOTE:** For cooling system bleeding procedures, see **BLEEDING COOLING SYSTEM** in appropriate **SPECIFICATIONS & DRIVE BELT ROUTING** article.

Vehicle has 2 cooling fans (radiator and condenser).

## OPERATION

Fan control module supplies voltage to relay coils. Relays are grounded by either the radiator fan switch "A", "C" or PCM. Grounding relays energizes their coils and supplies battery voltage to radiator and condenser fan motors. Fans run until ground is removed from relay coils. If engine coolant temperature is more than 219°F (104°C) when you turn the ignition switch to LOCK, the radiator fan control module will turn on the radiator fan and let it run for about 15 minutes.

## COMPONENT LOCATIONS

**NOTE:** For location of cooling fan system components, see Fig. 1 .

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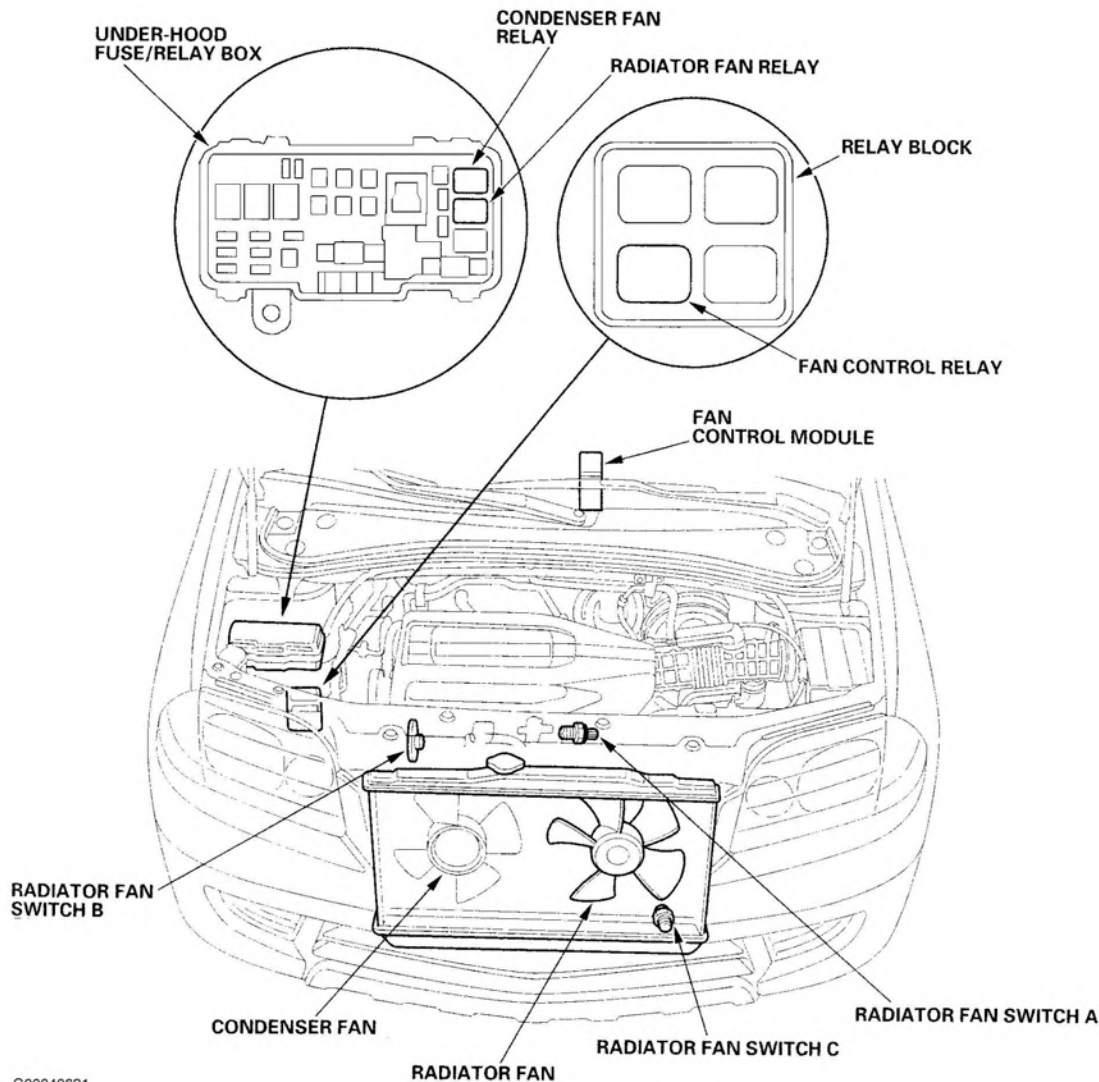


**Fig. 1: Locating Cooling Fan Components**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

## TROUBLE SHOOTING

### SYMPTOM TROUBLE SHOOTING INDEX

| Symptom                                                                                                                            | Perform Test                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Radiator fan does not run at all, but condenser fan runs with A/C ON or when the engine coolant temperature is above 199°F (93°C). | See <b><u>RADIATOR FAN CIRCUIT TROUBLE SHOOTING "A"</u></b> .                  |
| Both radiator fan and condenser fan do not run with A/C ON and when the engine coolant temperature is above 199°F (93°C).          | See <b><u>RADIATOR &amp; CONDENSER FANS CIRCUIT TROUBLE SHOOTING "B"</u></b> . |
|                                                                                                                                    |                                                                                |

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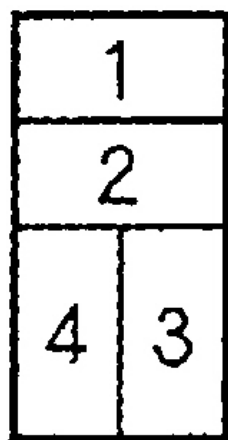
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|                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condenser fan runs but radiator fan does not run when the engine coolant temperature is above 199°F (93°C), but both fans run with A/C ON.                              | Remove the radiator fan control relay, and test. See <b>FAN RELAYS</b> under COMPONENT TESTS. <ul style="list-style-type: none"><li>• If the relay is faulty, replace it.</li><li>• If the relay is OK, repair a short in the wire between the radiator fan control relay 5-pin connector, terminal No. 4 and the radiator fan motor 2-pin connector, terminal No. 2.</li></ul> |
| Both radiator fan and condenser fan do not run when the engine coolant temperature is above 199°F (93°C), but both fans run with A/C ON.                                | See <b>RADIATOR &amp; CONDENSER FANS CIRCUIT TROUBLE SHOOTING "C"</b> .                                                                                                                                                                                                                                                                                                         |
| Both radiator and condenser fans do not run when the engine coolant temperature is above 199°F (93°C), but radiator fan runs with A/C ON.                               | See <b>RADIATOR &amp; CONDENSER FANS CIRCUIT TROUBLE SHOOTING "D"</b> .                                                                                                                                                                                                                                                                                                         |
| Both radiator fan and condenser fan run with ignition switch ON, with A/C OFF, and when the engine coolant temperature is below 199°F (93°C).                           | See <b>RADIATOR &amp; CONDENSER FANS CIRCUIT TROUBLE SHOOTING "E"</b> .                                                                                                                                                                                                                                                                                                         |
| Both radiator fan and condenser fan do not run at high speed with the A/C ON.                                                                                           | See SYMPTOM TESTS in appropriate AUTOMATIC A/C-HEATER SYSTEMS article.                                                                                                                                                                                                                                                                                                          |
| Both radiator fan speed and condenser fan speed do not change from Low to Hi when the engine coolant temperature 210°F (99°C), but both fan's speed change with A/C ON. | See <b>RADIATOR &amp; CONDENSER FANS CIRCUIT TROUBLE SHOOTING "F"</b> .                                                                                                                                                                                                                                                                                                         |
| Condenser fan speed does not change from Low to Hi with A/C ON and the engine coolant temperature above 210°F (99°C).                                                   | See SYMPTOM TESTS in appropriate AUTOMATIC A/C-HEATER SYSTEMS article.                                                                                                                                                                                                                                                                                                          |

### RADIATOR FAN CIRCUIT TROUBLE SHOOTING "A"

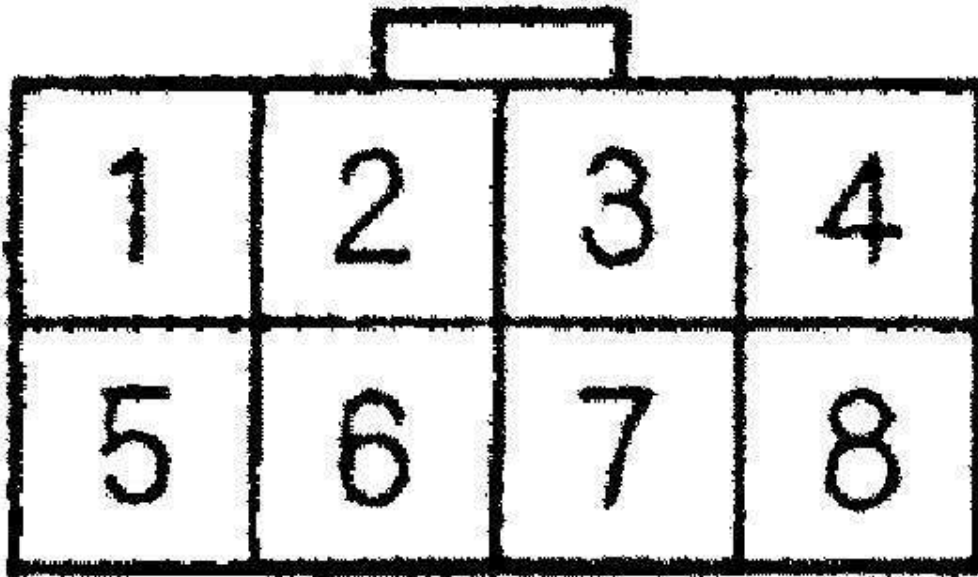
1. Check the No. 57 (30-amp) fuse in the under-hood fuse/relay box. If fuse is OK, go to next step. If fuse is not OK, check for a short in the wire between the radiator fan relay and radiator fan motor or a faulty fan motor.
2. Remove the radiator fan relay from the under-hood fuse/relay box. There should be continuity between the No. 1 and No. 2 terminals when power and ground are connected to the No. 3 and No. 4 terminals. There should be no continuity between the No. 1 and No. 2 terminals when power is disconnected. If the relay is OK, go to next step. If relay is not OK, replace radiator fan relay.
3. Measure the voltage between radiator fan relay 4-pin socket, terminal No. 1 and body ground. See **Fig. 2**. If there is battery voltage, go to next step. If battery voltage is not present, replace the under-hood fuse/relay box.
4. Connect a jumper wire between radiator fan relay 4-pin socket, terminals No. 1 and No. 2. See **Fig. 2**. If the radiator fan runs, go to next step. If the radiator fan does not run, go to step 8.
5. Disconnect the jumper wire, and turn the ignition switch ON. Measure the voltage between radiator fan relay 4-pin socket, terminal No. 3 and body ground. See **Fig. 2**. If there is battery voltage, repair an open in the wire between the radiator fan relay and the A/C pressure switch. If battery voltage is not present, go to next step.

6. Measure the voltage between fan control module 8-pin connector, terminal No. 1 and body ground. See **Fig. 3** . If there is battery voltage, repair an open in the wire between fan control module, terminal No. 1 and radiator fan relay 4-pin socket, terminal No. 3. If there is no battery voltage, go to next step.
7. Disconnect the fan control module 8-pin connector. Check for continuity between fan control module 8-pin connector, terminal No. 1 and body ground. See **Fig. 3** . If there is continuity, repair short in the wire between fan control module 8-pin connector, terminal No. 1 and radiator fan relay 4-pin socket, terminal No. 3. A short on the Yellow wire may damage the fan control module. If the symptom is still present after repairing the short, substitute a known-good fan control module, and recheck. If there is no continuity, replace the fan control module.
8. Disconnect the radiator fan motor 2-pin connector. Measure the voltage between fan motor 2-pin connector, terminal No. 2 and body ground. See **Fig. 4** . If there is battery voltage, go to next step. If there is no battery voltage, repair an open in the wire between radiator fan relay 4-pin socket, terminal No. 2 and radiator 2-pin connector, terminal No. 2.
9. Disconnect the jumper wire. Test the radiator fan motor. See **FAN MOTOR** under COMPONENT TESTS. If the the fan motor is OK, repair an open in the wire between radiator fan motor 2-pin connector terminal No. 1 and G201. If radiator fan motor is not OK, replace fan motor.



## Terminal side of female terminals

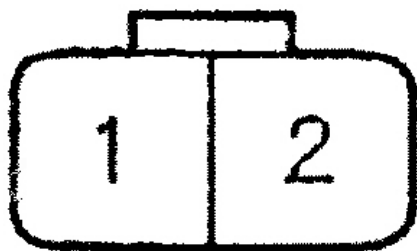
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Wire side of  
female terminals

G00296741

**Fig. 3: Identifying Fan Control Module 8-Pin Connector Terminals**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



## Wire side of female terminals

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**Fig. 4: Identifying Radiator Fan Motor & Radiator Fan Switch "C" 2-Pin Connector Terminals**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

### RADIATOR AND CONDENSER FANS CIRCUIT TROUBLE SHOOTING "B"

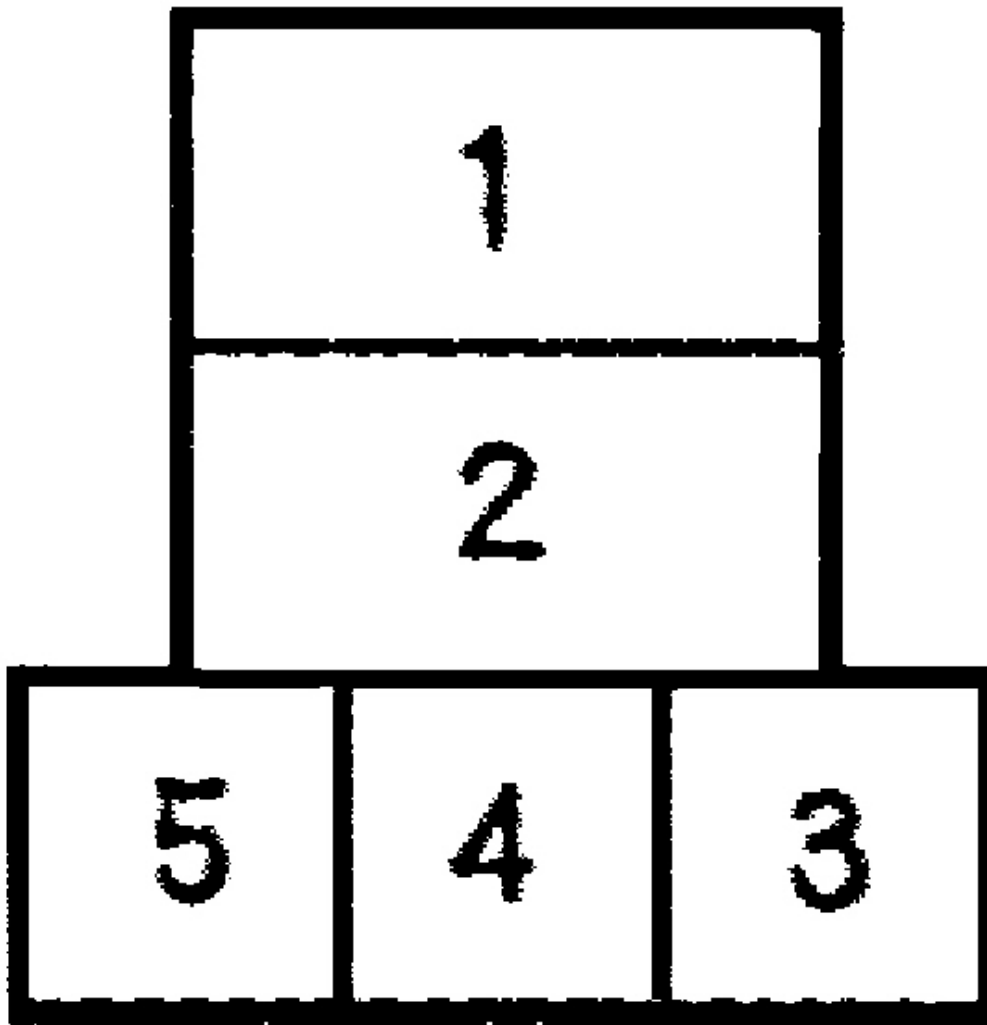
1. Check the No. 3 (7.5-Amp) fuse in the driver's under-dash fuse/relay box. If fuse is OK, go to next step. If fuse is not OK, check for these problems:
  - A short in the wire between the driver's under-dash fuse/relay box and fan control module 8-pin connector, terminal No. 2.
  - A short in the wire between the driver's under-dash fuse/relay box and fan control relay 4-pin socket, terminal No. 5.
2. Turn the ignition switch ON.
3. Measure the voltage between fan control module 8-pin connector, terminal No. 2 and body ground. See **Fig. 3** . If there is battery voltage, go to next step. If battery voltage is not present, repair an open in the wire between the driver's under-dash fuse/relay box and fan control module 8-pin connector, terminal No. 2.
4. Turn the ignition switch OFF. Disconnect the fan control module 8-pin connector. Check for continuity between fan control module 8-pin connector, terminal No. 4 and body ground. See **Fig. 3** . If there is continuity, go to next step. If there is no continuity, repair an open in the wire between fan control module, terminal No. 4 and G401.
5. Replace the fan control module. If the radiator fan still does not run, replace fan.

### RADIATOR AND CONDENSER FANS CIRCUIT TROUBLE SHOOTING "C"

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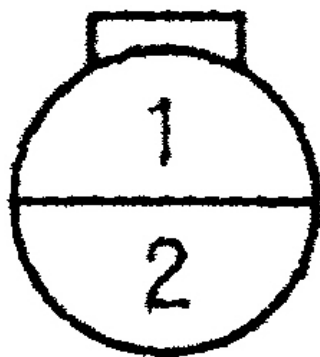
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1. Disconnect the fan control relay. Disconnect the radiator fan motor 2-pin connector. Check for continuity between fan control relay 5-pin connector, terminal No. 4 and radiator fan motor 2-pin connector, terminal No. 2. See [Fig. 4](#) and [Fig. 5](#) . If there is continuity, go to next step. If there is no continuity, repair an open in the wire between fan control relay 5-pin connector, terminal No. 4 and radiator fan motor 2-pin connector, terminal No. 2.
2. Remove the condenser fan relay from the under-hood fuse/relay box. Disconnect the radiator fan switch "A" 2-pin connector. Check for continuity between condenser fan relay 4-pin connector, terminal No. 4 and radiator fan switch "A" 2-pin connector, terminal No. 2. See [Fig. 2](#) and [Fig. 6](#) . If there is no continuity, go to next step. If there is no continuity, repair an open in the wire between condenser fan relay 4-pin connector, terminal No. 4 and radiator fan switch "A" 2-pin connector, terminal No. 2.
3. Install the condenser fan relay. Connect a jumper wire between radiator switch "A" 2-pin connector, terminals No. 1 and No. 2. See [Fig. 6](#) . Turn the ignition switch ON. If the radiator fan runs, replace radiator fan switch "A" and recheck. If the fan does not run, repair an open in the wire between radiator fan switch "A" 2-pin connector, terminal No 1 and G101.



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**Fig. 5: Identifying Fan Control Relay 5-Pin Socket Terminals**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



## Wire side of female terminals

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**Fig. 6: Identifying Radiator Fan Switch "A" 2-Pin Connector Terminals**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

### RADIATOR AND CONDENSER FANS CIRCUIT TROUBLE SHOOTING "D"

1. Remove the condenser fan relay from the under-hood fuse/relay box. There should be continuity between the No. 1 and No. 2 terminals when power and ground are connected to the No. 3 and No. 4 terminals. There should be no continuity between the No. 1 and No. 2 terminals when power is disconnected. If relay is OK, go to next step. If relay is not OK, replace the condenser fan relay.
2. Turn the ignition switch ON. Measure the voltage between condenser fan relay 4-pin socket, terminal No. 3 and body ground. See **Fig. 2** . If there is battery voltage, check these circuits:
  - The wire between condenser fan relay 4-pin socket, terminal No. 4 and radiator fan switch "A", terminal No. 2.
  - The connection between condenser fan relay 4-pin socket, terminal No. 1 and fuse No. 58 (30-amp) in the under-hood fuse/relay box.
  - The wire between condenser fan relay 4-pin socket, terminal No. 2 and the condenser fan motor.
  - The wire between the condenser fan motor and the fan control relay.

If battery voltage is not present, go to next step.

3. Measure the voltage between fan control module 8-pin connector, terminal No. 3 and body ground. See **Fig. 3** . If there is battery voltage, repair an open in the wire between fan control module, terminal No. 3 and condenser fan relay 4-pin socket, terminal No. 3. If battery voltage is present, replace the fan control module.

**RADIATOR AND CONDENSER FANS CIRCUIT TROUBLE SHOOTING "E"**

1. Remove the condenser fan relay from the under-hood fuse/relay box. There should be continuity between the No. 1 and No. 2 terminals when power and ground are connected to the No. 3 and No. 4 terminals. There should be no continuity between the No. 1 and No. 2 terminals when power is disconnected. If relay is OK, go to next step. If relay is not OK, replace the condenser fan relay.
2. Disconnect radiator fan switch "C" 2-pin connector and turn the ignition switch ON. If the radiator fan stops, replace radiator fan switch "C" and recheck. If the radiator fan does not stop, go to next step.
3. Turn the ignition switch OFF. Remove the radiator fan relay from the under-hood fuse/relay box. Check for continuity between radiator fan switch "C" 2-pin connector, terminal No. 1 and body ground. See **Fig. 4** . If there is continuity, repair a short in the wire between radiator fan relay 4-pin socket, terminal No. 4, radiator fan switch "C" 2-pin connector, terminal No. 1 and A/C pressure switch. If there is no continuity, go to next step.
4. Disconnect the radiator fan switch "A" 2-pin connector and turn the ignition switch ON. If the radiator fan stops, replace radiator fan switch "A". If the radiator fan does not stop, repair a short in the wire between radiator fan relay 4-pin socket, terminal No. 4, condenser fan relay 4-pin socket, terminal No. 4.

**RADIATOR AND CONDENSER FANS CIRCUIT TROUBLE SHOOTING "F"**

1. Remove the radiator fan relay and condenser fan relay from the under-hood fuse/relay box. Disconnect the radiator fan switch "C" 2-pin connector. Turn the ignition switch ON. Measure the voltage between radiator fan switch "C" 2-pin connector, terminal No. 1 and body ground. See **Fig. 4** . If there is battery voltage, go to next step. If battery voltage is not present, repair an open in the wire between fan control relay 5-pin socket, terminal No. 3 and radiator fan switch "C", terminal No. 1.
2. Install the radiator fan relay and condenser fan relay. Connect a jumper wire between radiator fan switch "C" 2-pin connector, terminals No. 1 and No. 2. See **Fig. 4** . Turn the ignition switch ON. If the radiator and condenser fans run, replace radiator fan switch "C". If the radiator and condenser fans do not run, repair an open in the wire between radiator fan switch "C" 2-pin connector, terminal No. 2 and G201.

**COMPONENT TESTS****FAN CONTROL MODULE**

If fan does not operate, check for open or short circuits in wiring between components and fan control module or fan control unit. See **FAN CONTROL MODULE TERMINALS** table. Also see **WIRING DIAGRAMS** . If all wiring and other components are okay, replace fan control unit.

**FAN CONTROL MODULE TERMINALS**

| Terminal No. <sup>(1)</sup> | Wire Color <sup>(2)</sup> | Circuit                  |
|-----------------------------|---------------------------|--------------------------|
| 1                           | Yellow                    | Radiator Fan Relay (+)   |
| 2                           | Black/Yellow              | Power Supply (Ign. On)   |
| 3                           | Yellow/White              | Condenser Fan Relay (+)  |
| 4                           | Black                     | Ground                   |
| 5                           | White/Green               | Engine Coolant Temp. Sw. |
|                             |                           |                          |

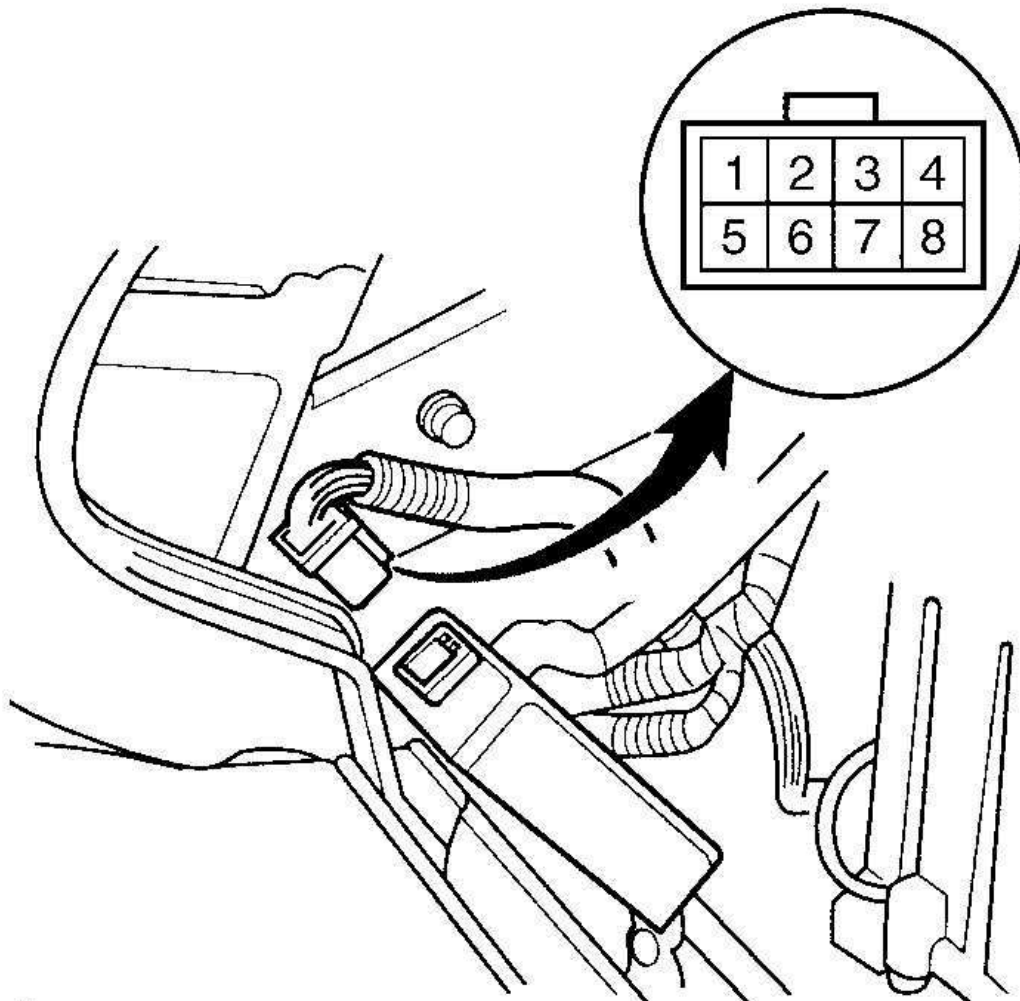
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|   |              |                        |
|---|--------------|------------------------|
| 6 | White/Yellow | Power Supply (Ign. On) |
| 7 | Black/Yellow | Power Supply (Ign. On) |
| 8 | Green        | Radiator Fan Relay (-) |

(1) See **Fig. 7** .

(2) See **WIRING DIAGRAMS** .



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**Fig. 7: Identifying Radiator Fan Control Module Connector Terminals**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

## FAN MOTOR

Disconnect appropriate fan motor connector. Apply battery voltage and ground between fan motor terminals. If fan motor operates, check related components and wiring. If fan motor does not operate, reverse battery leads. If fan still does not operate, replace fan motor. See **COOLING FANS** under REMOVAL & INSTALLATION.

## FAN RELAYS

1. Although physical appearance of relays may be different, basic relay operation is similar. Remove relay to be tested. Check continuity between relay terminals No. 1 and 3. See **WIRING DIAGRAMS** . Continuity should not exist.
2. Apply battery voltage between terminals No. 2 and 4. Continuity should exist between terminals No. 1 and 3. If continuity is not as specified, replace relay.

## RADIATOR FAN CONTROL RELAY

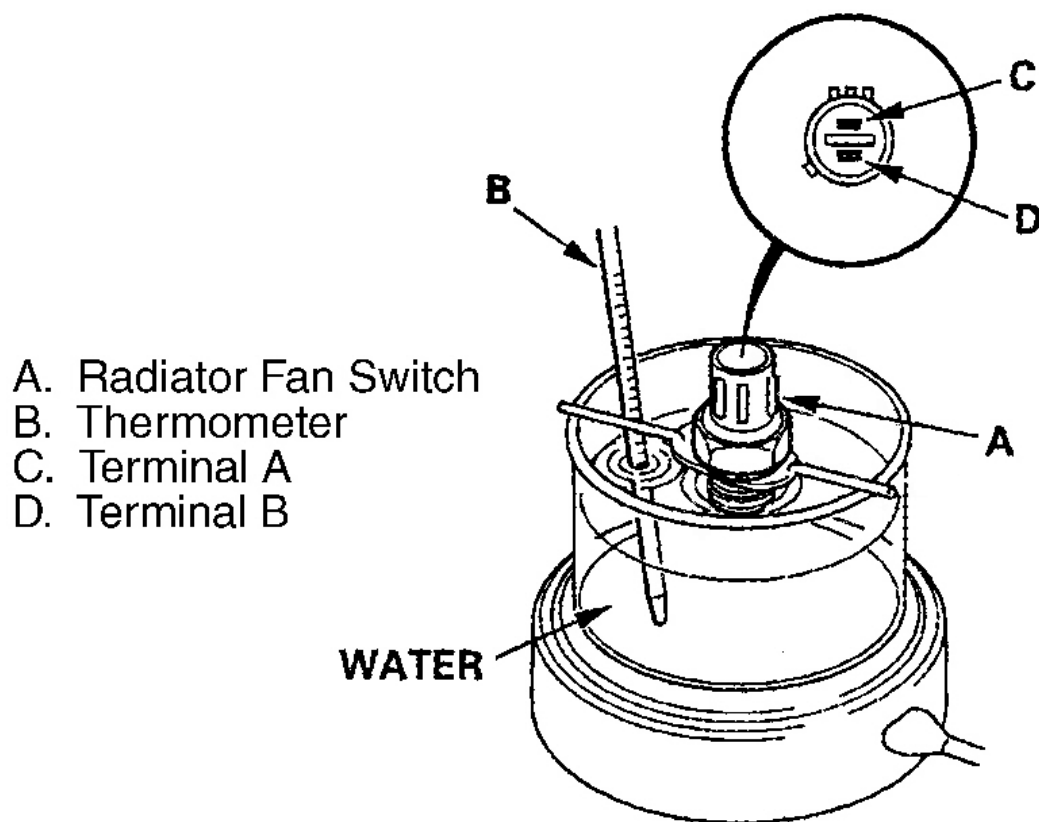
Remove radiator fan main relay. Continuity should exist between relay terminals No. 1 and 2 with battery voltage applied to terminals No. 3 and 5. See **WIRING DIAGRAMS** . With battery voltage not applied, check continuity between relay terminals No. 1 and 4. Continuity should exist. If continuity is not as specified, replace relay.

## RADIATOR FAN SWITCH

1. Remove the radiator fan switch "A" from the water passage, radiator fan switch "B" from the cylinder head and radiator fan switch "C" from the radiator. See **REMOVAL & INSTALLATION** .
2. Suspend each radiator fan switch in a container of water. See **Fig. 8** . Heat the water and check the temperature with a thermometer. Do not let the thermometer touch the bottom of the hot container.
3. Measure the continuity between terminal "A" and terminal "B" and compare to specifications in **RADIATOR FAN SWITCH CONTINUITY SPECIFICATIONS** . See **Fig. 8** .

## RADIATOR FAN SWITCH CONTINUITY SPECIFICATIONS

| Application                                                                                  | Temperature - °F (°C) |
|----------------------------------------------------------------------------------------------|-----------------------|
| Switch A                                                                                     | (1) 196-203 (91-95)   |
| Switch B                                                                                     | (2) 212-226 (100-108) |
| Switch C                                                                                     | (2) 205-216 (96-102)  |
| (1) Switch opens when temperature drops to 5-15°F (3-13°C) less than continuity temperature. |                       |
| (2) Switch opens when temperature drops to 5-23°F (3-13°C) less than continuity temperature. |                       |



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**Fig. 8: Testing Radiator Fan Switch**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

## REMOVAL & INSTALLATION

### COOLING FANS & RADIATOR

#### Removal & Installation

**NOTE:**

- Use fender covers to avoid damaging painted surfaces.
- To avoid damage, unplug the wiring connectors carefully while holding the connector portion.
- Mark all wiring and hoses to avoid misconnection. Also, be sure that they do not contact other wiring or hoses, or interfere with other parts.

1. Remove the radiator cover. Remove the front bumper. See Fig. 9 . Make sure you have the anti-theft code

for the radio and the navigation system, then write down the frequencies for the radio's preset buttons. Disconnect the battery negative terminal first, then the positive terminal. Remove the battery and battery tray. Drain the engine coolant. Remove the harness clamps, and engine wire harness connectors from the battery base. See **Fig. 10** .

2. Remove the ground cable, relay bracket and harness clamp, then remove the battery base. See **Fig. 11** .
3. Remove the upper radiator hose. See **Fig. 12** .
4. Remove the radiator upper brackets/cushions and condenser brackets. See **Fig. 13** .
5. Disconnect the compressor clutch connector, fan motor connectors, hood switch connector, and radiator fan switch "C" connector. Remove the harness clamps. See **Fig. 14** .
6. Remove the bulkhead bracket. See **Fig. 15** .
7. Remove the two bolts securing the radiator fan shroud, then remove the radiator fan shroud assembly from the battery side. Remove the two bolts, and loosen the two bolts securing the condenser fan shroud, then remove the condenser fan shroud assembly from the battery side. See **Fig. 16** .
8. Remove the lower radiator hose and Automatic Transmission Fluid (ATF) cooler hoses. Plug the ATF cooler hoses and lines. See **Fig. 17** .
9. Pull up the radiator assembly, then remove the lower cushions. See **Fig. 18** .
10. Remove the ATF cooler line, radiator cap, and drain plug.
11. Install the radiator and fans in the reverse order of removal, noting the following:
  - Set the upper and lower cushions securely.
  - Fill the radiator with engine coolant, and bleed the air.
  - Adjust the hood latch.
  - Enter the anti-theft code for the radio and the navigation system, then enter the customer's radio station presets.

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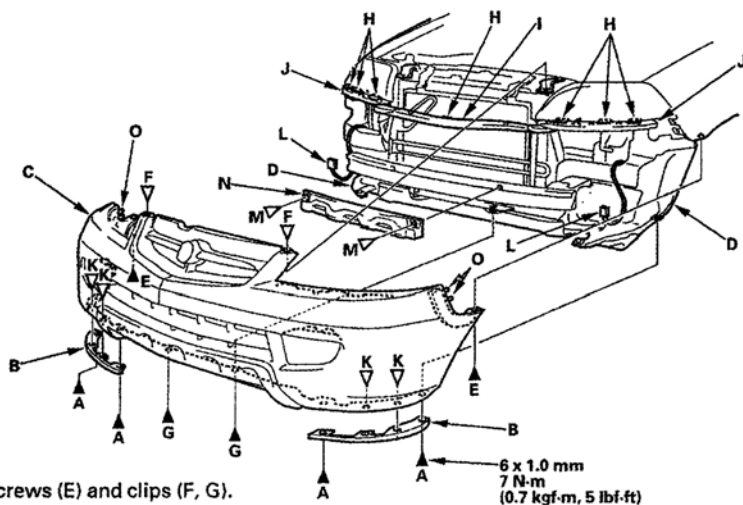
#### NOTE:

- Have an assistant help you when removing and installing the front bumper.
- Take care not to scratch the front bumper and body.
- Put on gloves to protect your hands.

1. Remove the front bulkhead cover.
2. Remove the bolts (A) securing both front under spoilers (B), front bumper (C), and both front inner fenders (D).

#### Fastener Locations

A ▶ : Bolt, 4    E ▷ : Clip, 6    F, K ▶ : Screw, 2    G ▷ : Clip, 2    M ▷ : Clip, 2



3. Remove the screws (E) and clips (F, G).

4. With the help of an assistant, pull the front bumper forward to release the hooks (H) of the center upper beam (I) and corner upper beam (J), then remove the bumper from the body. If necessary, remove the clips (K), then remove the under spoilers.

5. Disconnect both front fog light connectors (L).

6. If necessary, detach the clips (M) and remove the absorber (N).

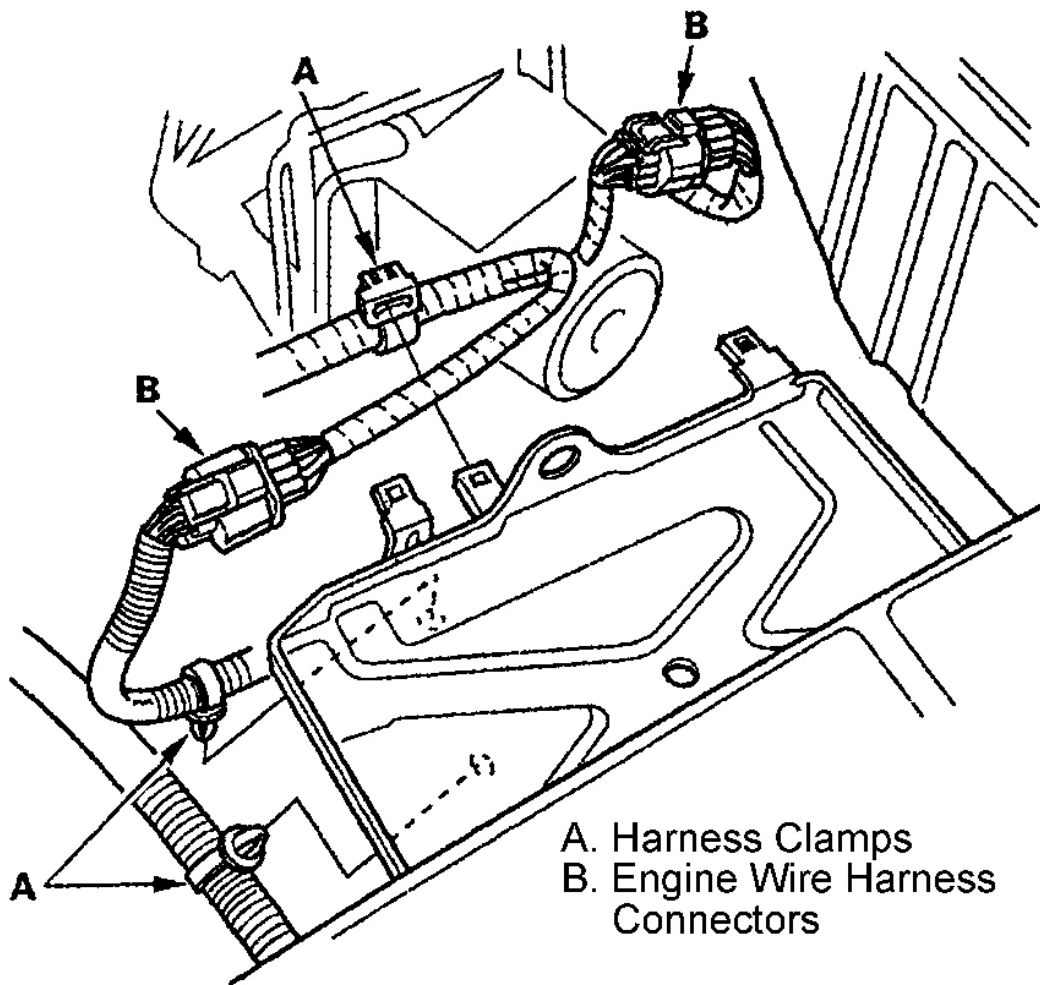
7. Install the front bumper in the reverse order of removal, and note these items:

- Make sure the front fog light connectors are plugged in properly.
- Fit the front bumper side stiffener pins (O) into the holes in each front fender.
- Make sure the front bumper engages the hooks (of the center and both corner upper beams) on each side securely.
- Replace any damaged clips.

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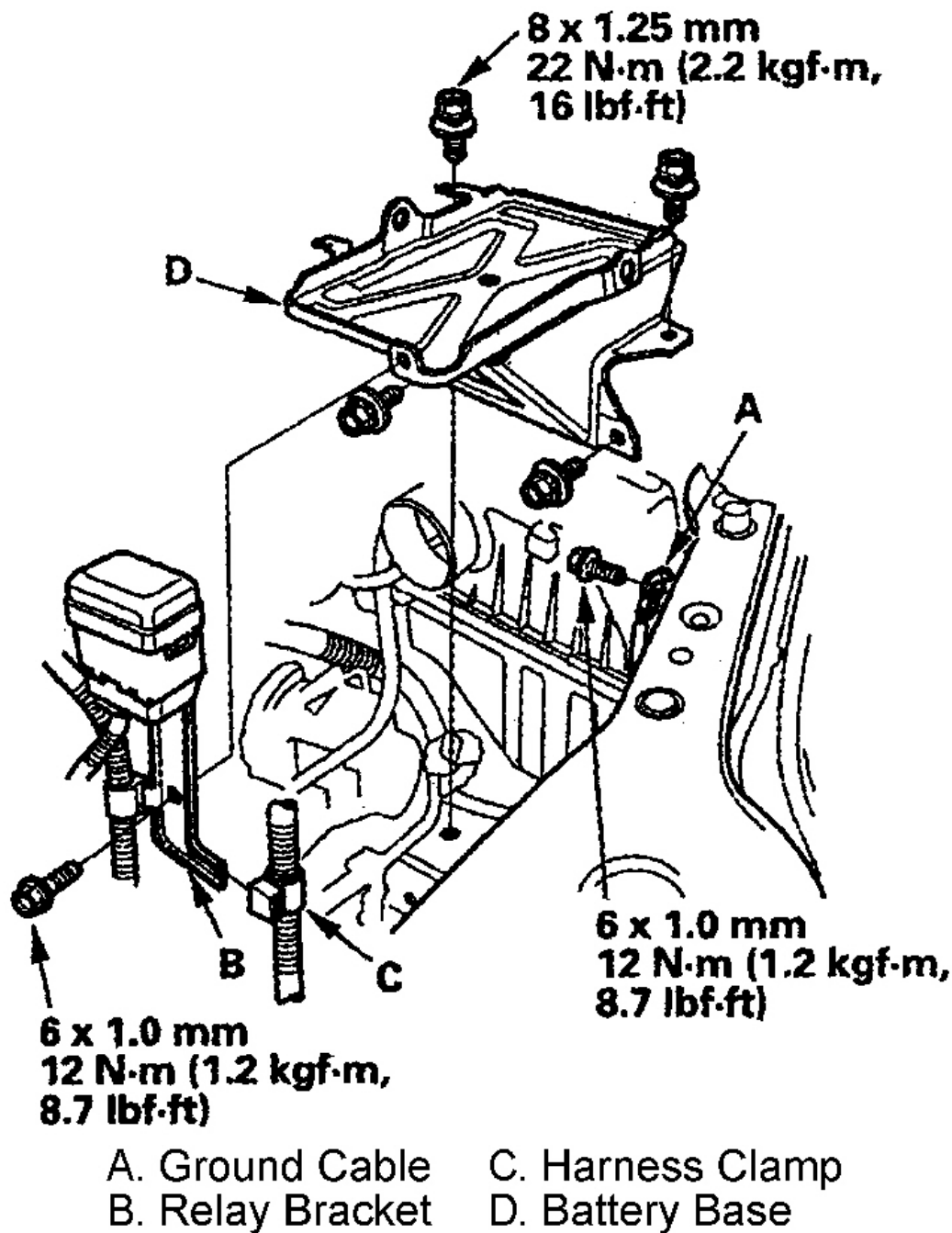
**Fig. 9: Removing Front Bumper**

Courtesy of AMERICAN HONDA MOTOR CO., INC.



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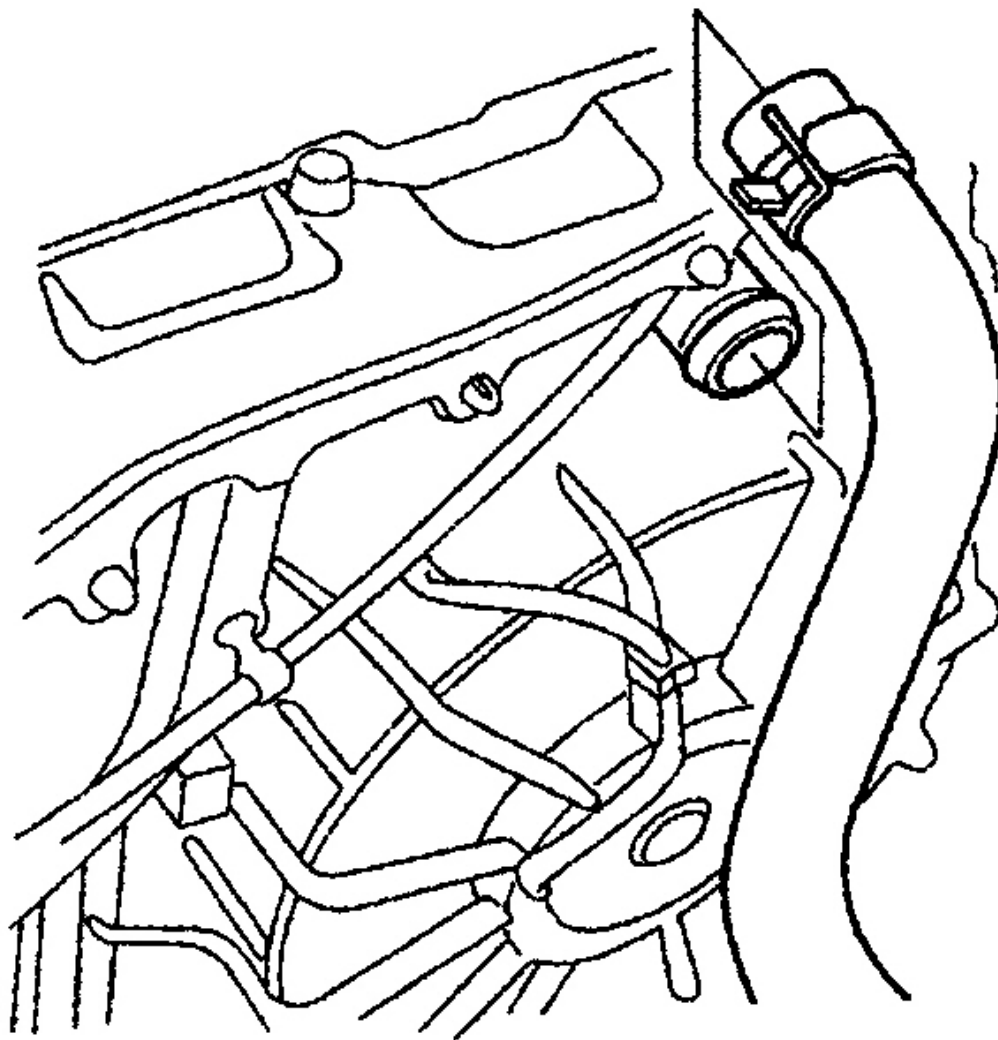
**Fig. 10: Disconnecting Wire Harness Connectors From The Battery Base**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



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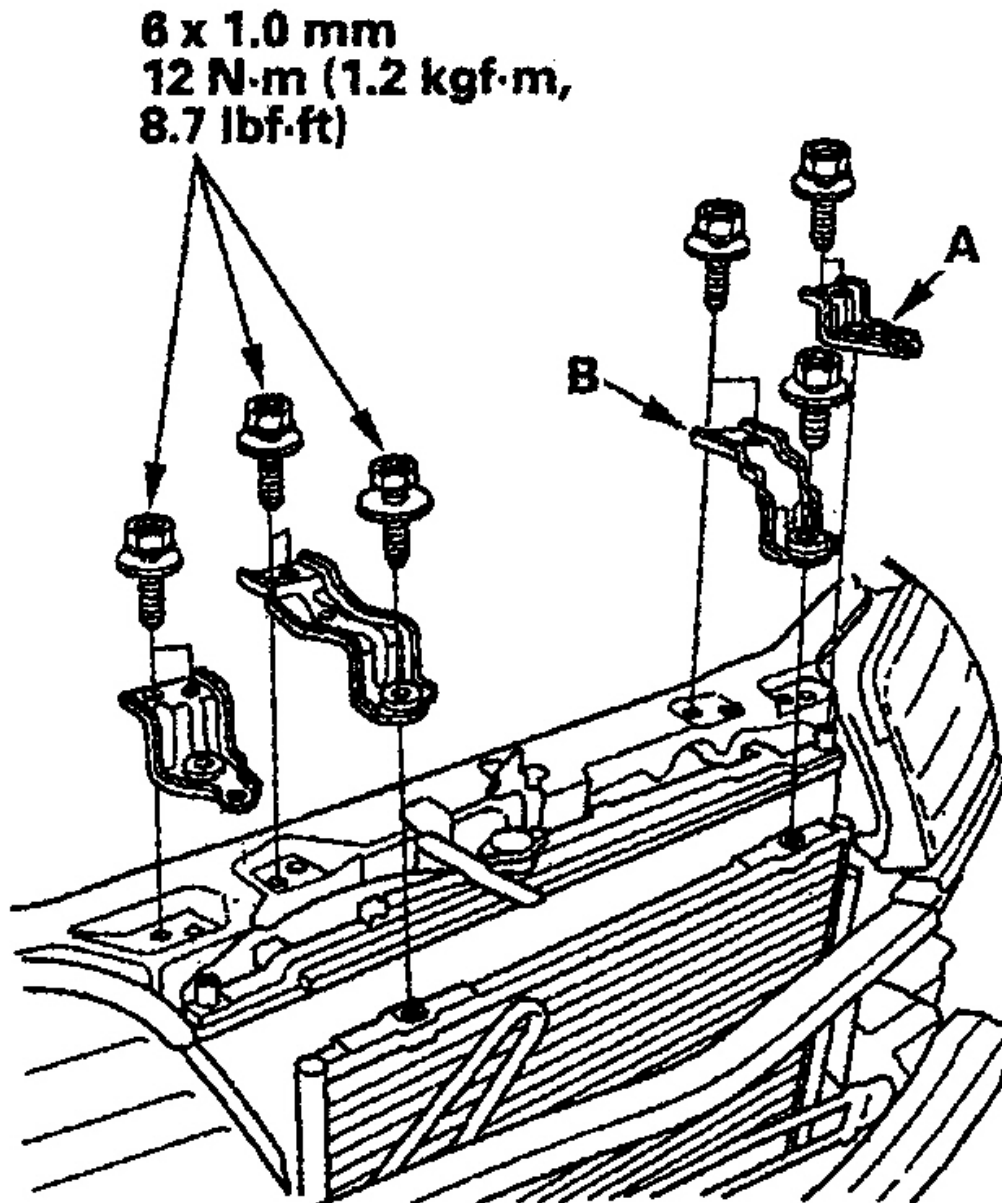
**Fig. 11: Removing Battery Base**

Courtesy of AMERICAN HONDA MOTOR CO., INC.



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**Fig. 12: Removing/Installing Upper Radiator Hose**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

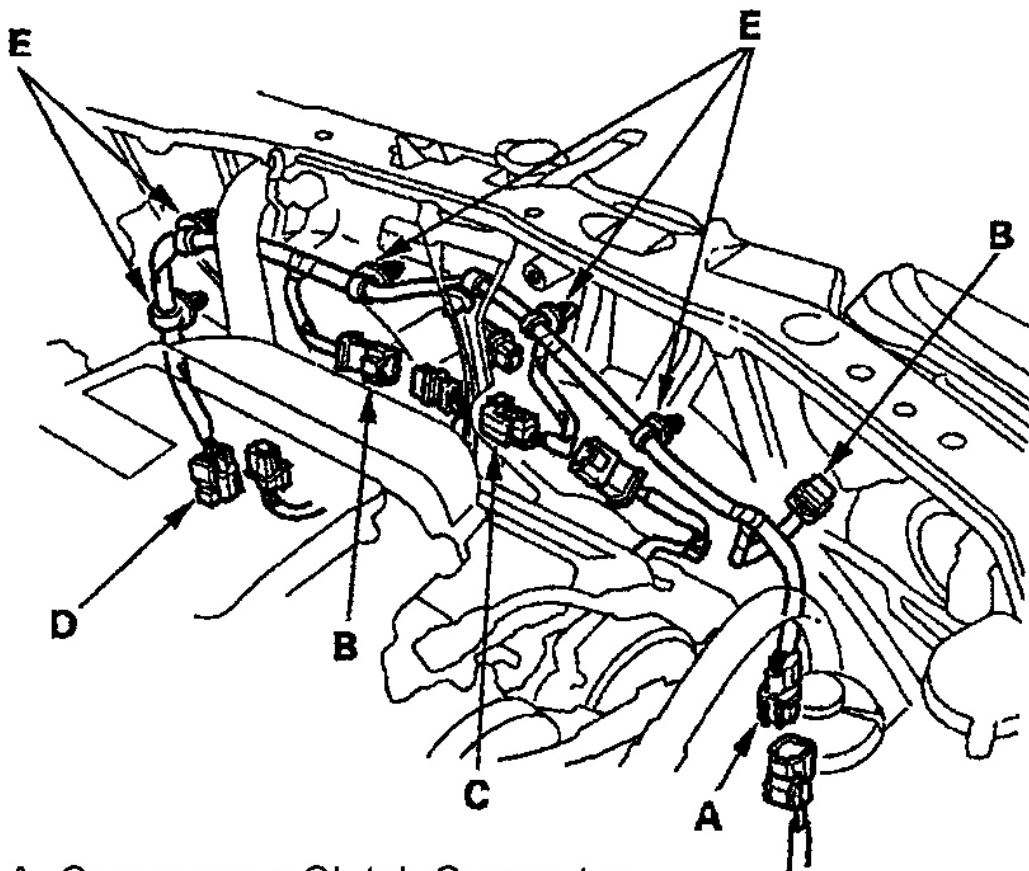


A. Radiator Upper Brackets/Cushions  
B. Condenser Brackets

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**Fig. 13: Removing Radiator & Condenser Brackets**

Courtesy of AMERICAN HONDA MOTOR CO., INC.



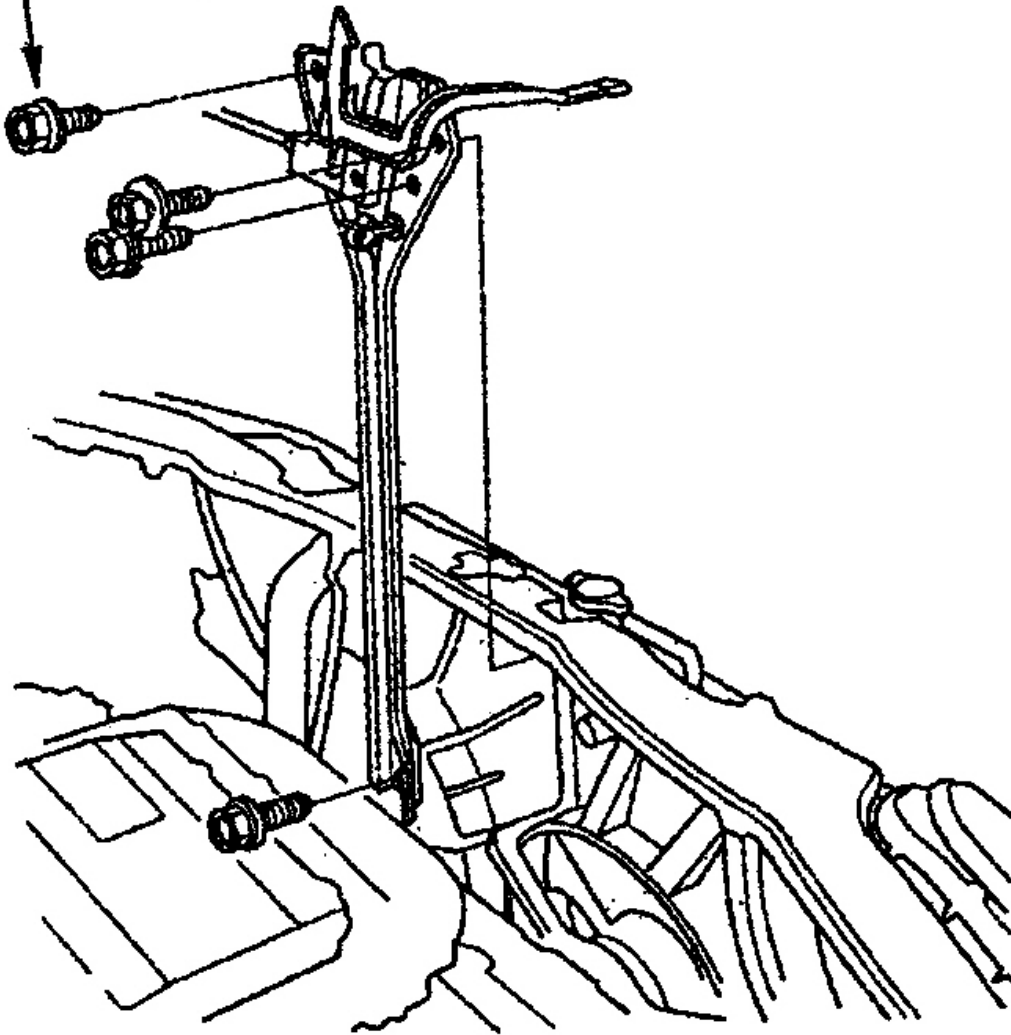
- A. Compressor Clutch Connector
- B. Fan Motor Connectors
- C. Hood Switch Connector
- D. Radiator Fan Switch C Connector
- E. Harness Clamps

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**Fig. 14: Removing Electrical Harness Connectors**

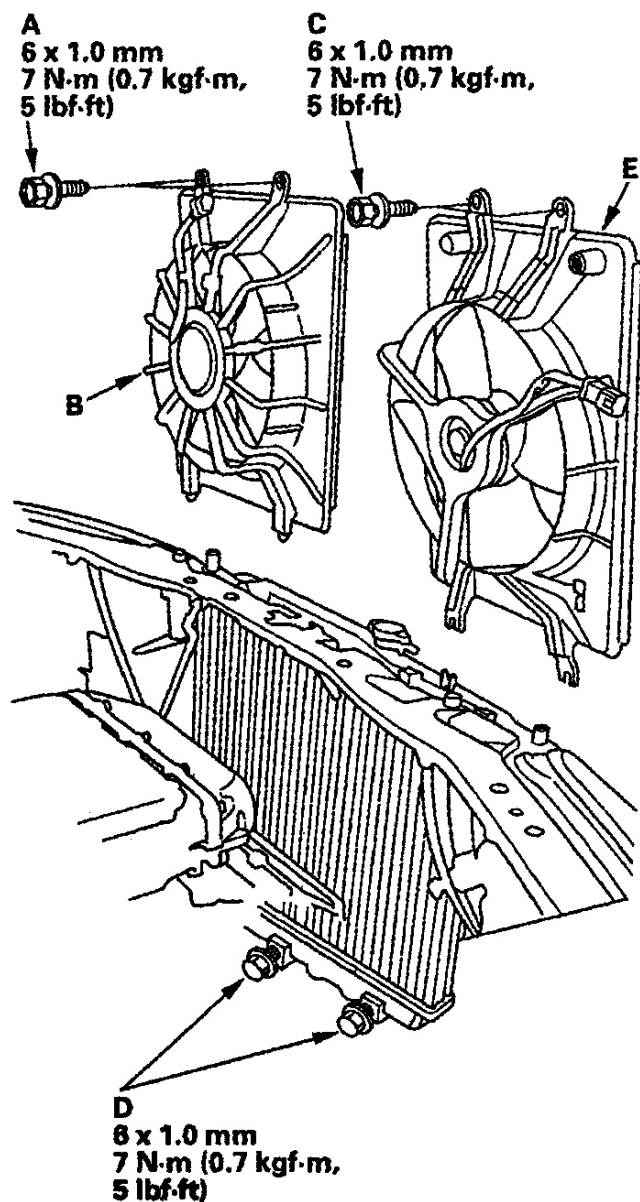
Courtesy of AMERICAN HONDA MOTOR CO., INC.

**6 x 1.0 mm  
12 N·m (1.2 kgf·m,  
8.7 lbf·ft)**



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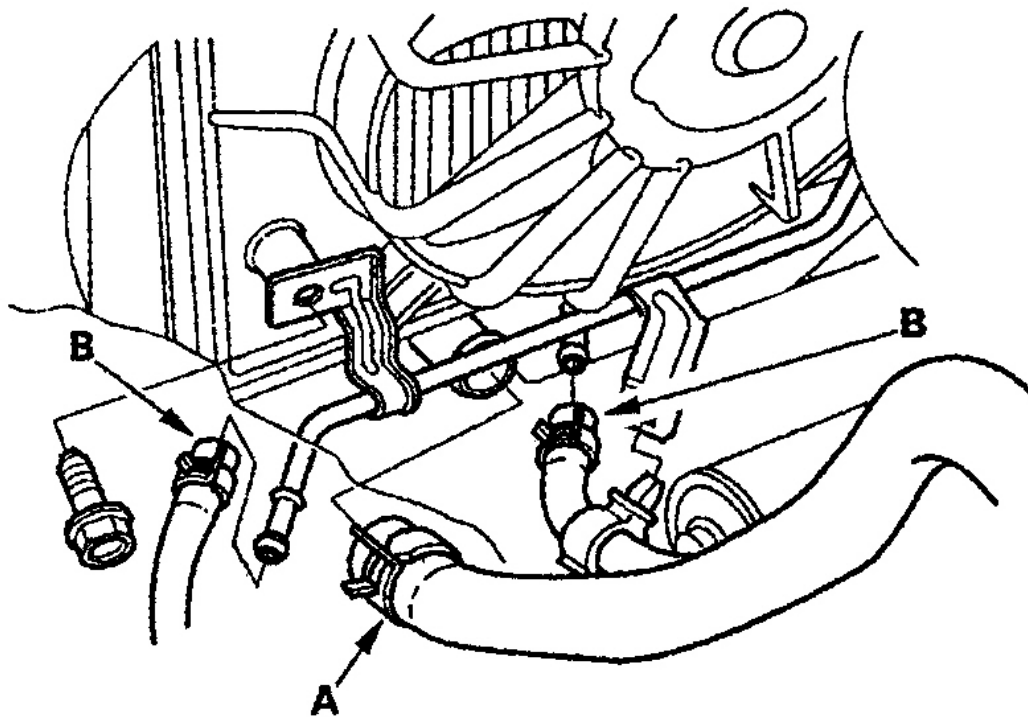
**Fig. 15: Removing/Installing Bulkhead Bracket**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



- A. Radiator Fan Shroud Bolts
- B. Radiator Fan Shroud Assembly
- C. Top Condenser Fan Shroud Bolts
- D. Bottom Condenser Fan Shroud Bolts
- E. Condenser Fan Shroud Assembly

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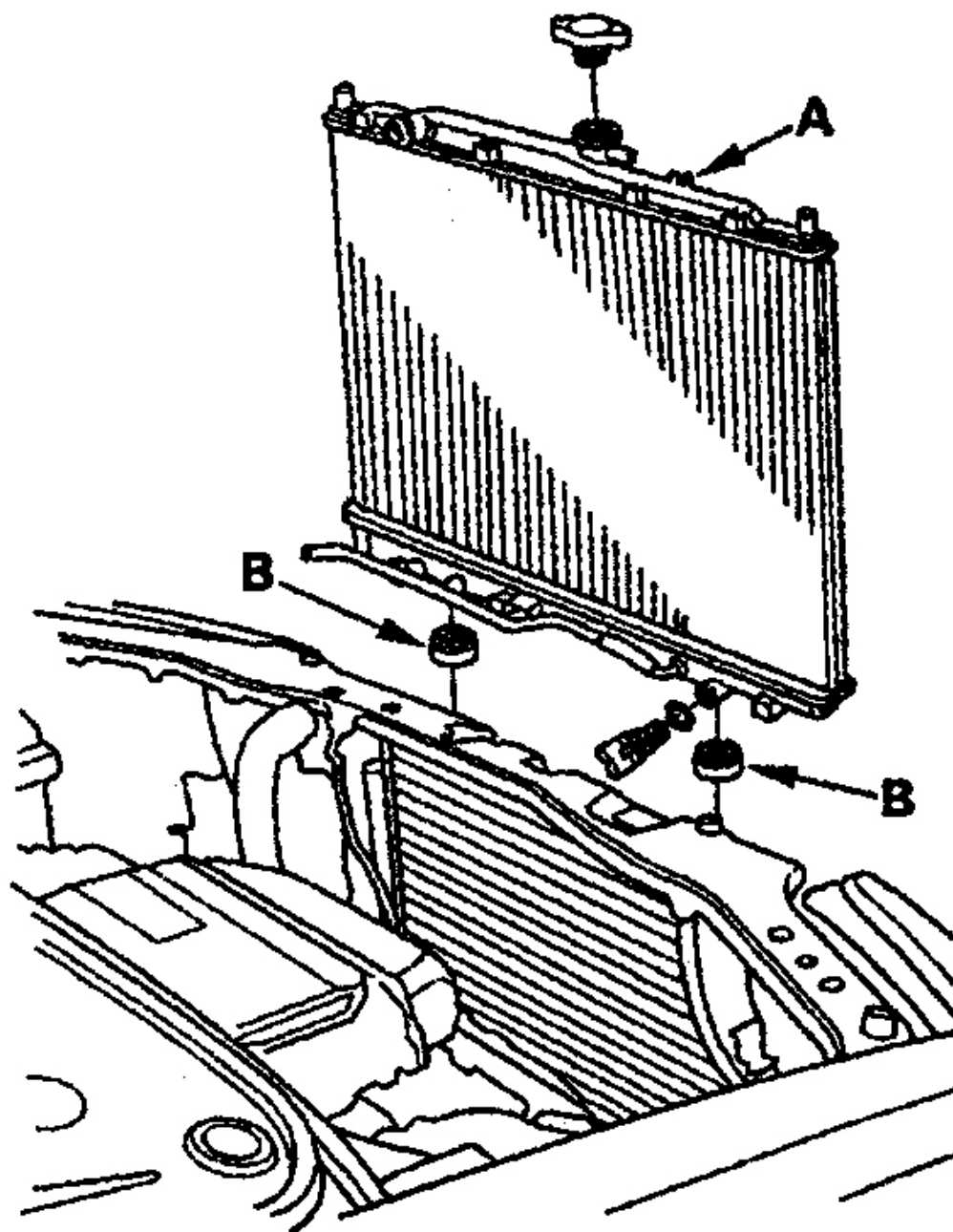
**Fig. 16: Removing Cooling Fans**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



- A. Lower Radiator Hose
- B. Automatic Transmission Fluid (ATF)  
Cooler Hoses

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**Fig. 17: Disconnecting Lower Radiator Hose & Transmission Cooling Hoses**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.



A. Radiator Assembly  
B. Lower Cushions

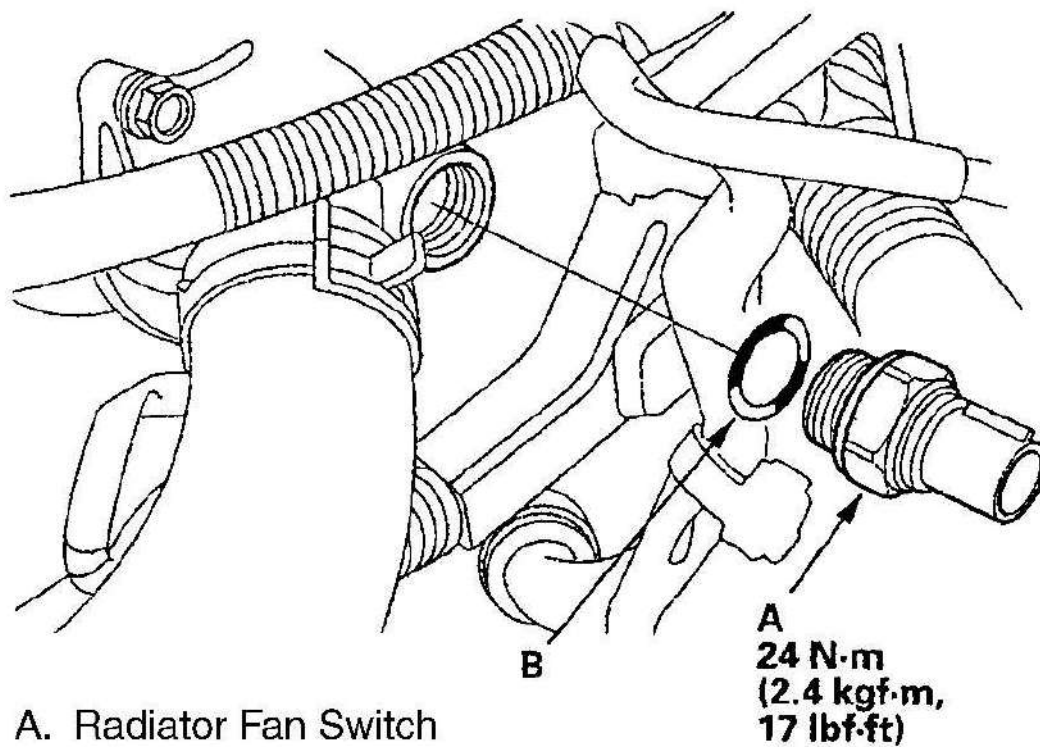
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**Fig. 18: Removing/Installing Radiator**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

**RADIATOR FAN SWITCH "A"****Removal & Installation**

Disconnect the radiator fan switch "A" connector, then remove radiator fan switch "A". See **Fig. 19** . Install radiator fan switch "A" using a new "O" ring.



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**Fig. 19: Removing & Installing Radiator Fan Switch "A"**

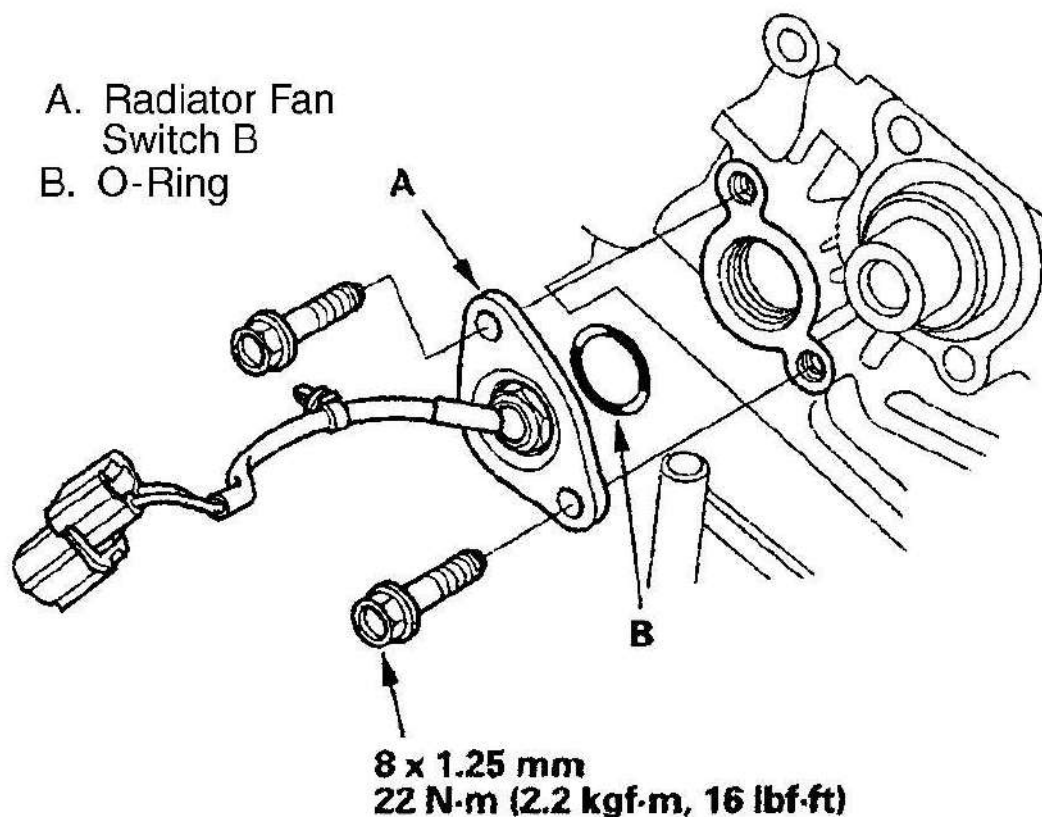
Courtesy of AMERICAN HONDA MOTOR CO., INC.

**RADIATOR FAN SWITCH "B"****Removal & Installation**

1. Set the No. 1 piston at Top Dead Center (TDC). Remove the upper covers. To hold the timing adjuster in

its current position, thread in the battery clamp bolt hand-tight. Loosen the idler pulley bolt about 5 or 6 turns, then remove the timing belt from the front camshaft pulley. Remove the front camshaft pulley. Disconnect the TDC 1/TDC 2 sensor connector, then remove the back cover. See TIMING BELT under REMOVAL & INSTALLATION in appropriate TIMING BELT article.

2. Disconnect the radiator fan switch "B" connector, then remove radiator fan switch "B". See **Fig. 20**.
3. Install radiator fan switch "B" using a new "O" ring.



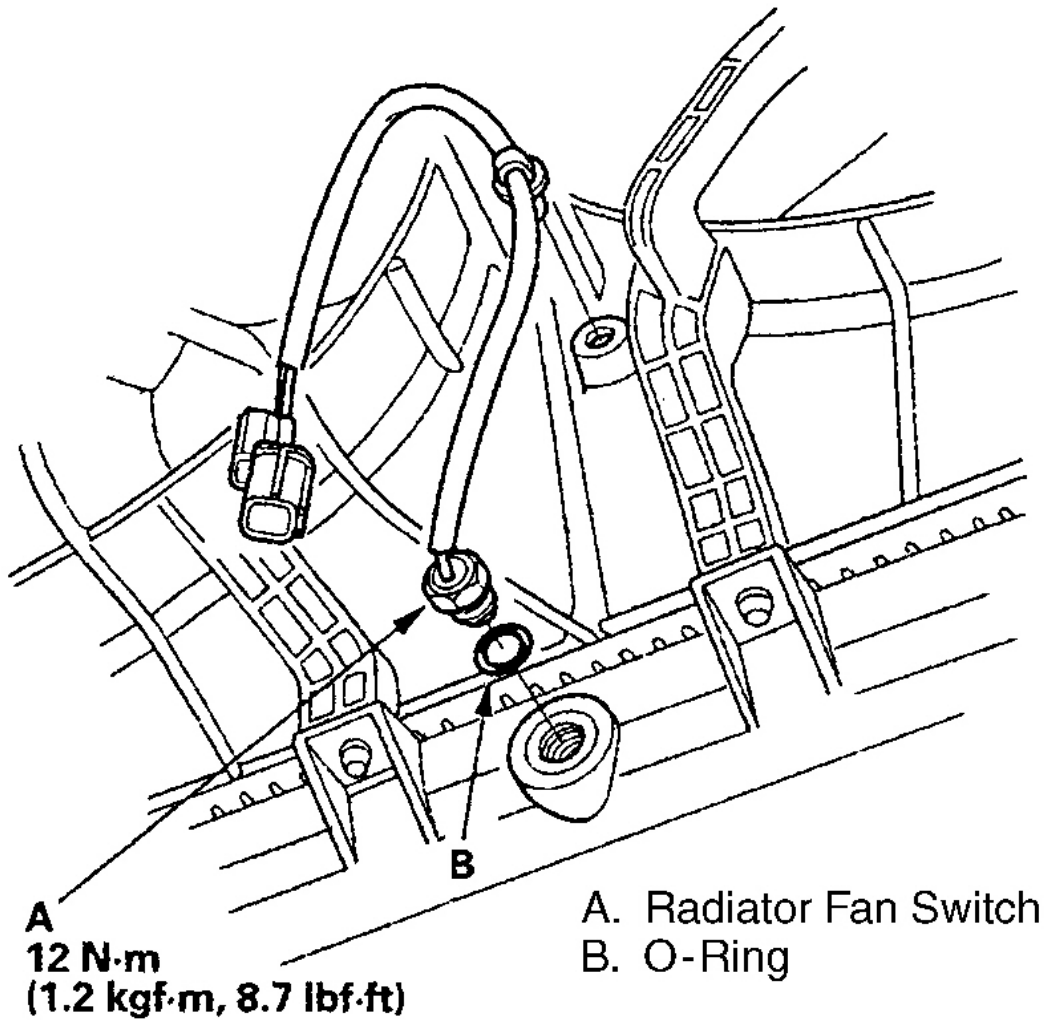
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**Fig. 20: Removing & Installing Radiator Fan Switch "B"**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

## RADIATOR FAN SWITCH "C"

### Removal & Installation

Disconnect the radiator fan switch "C" connector, then remove radiator fan switch "C". See **Fig. 21**. Install radiator fan switch "C" using a new "O" ring.



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**Fig. 21: Removing & Installing Radiator Fan Switch "C"**  
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## WIRING DIAGRAMS

For 2002 wiring diagram, see COOLING FAN under SYSTEM WIRING DIAGRAMS article in ELECTRICAL.