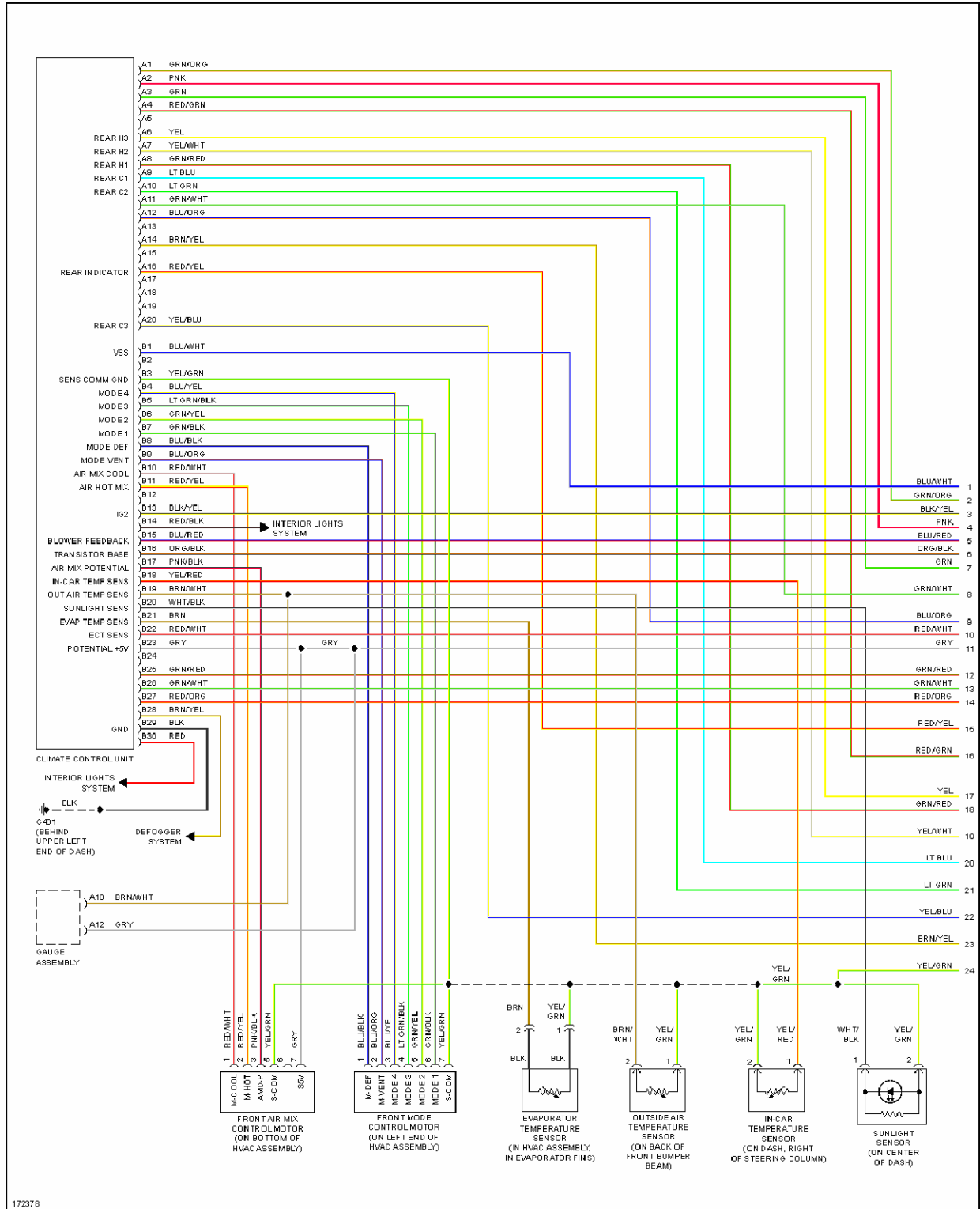


2003 Honda Pilot LX

SYSTEM WIRING DIAGRAMS Honda - Pilot



172378

Fig. 1: Automatic A/C Circuit (1 of 3)

Starter Solenoid

Left rear of engine. See **Fig. 35** .**SWITCHES****SWITCHES LOCATION**

Component	Location
A/C Pressure Switch	Right side of engine compartment. See Fig. 20 .
Brake Fluid Level Switch	Integral to brake fluid reservoir cap. See Fig. 16 .
Brake Pedal Position Switch	Top of brake pedal arm. See Fig. 49 .
Driver's Door Key Cylinder Switch Connector	In driver's door. See Fig. 80 .
Driver's Door Lock Knob Switch	Rear of driver's door. See Fig. 81 .
Driver's Door Switch	On left "B" pillar. See Fig. 83 .
Driver Seat Belt Switch Connector (EX, EX-L)	Under driver's seat. See Fig. 94 .
Driver Seat Belt Switch Connector (LX)	Under driver's seat. See Fig. 91 .
Front Passenger's Door Switch	On right "B" pillar. See Fig. 83 .
Front Passenger Seat Belt Switch Connector (EX-L)	Under front passenger's seat. See Fig. 95 .
Front Passenger Seat Belt Switch Connector (LX, EX)	Under front passenger's seat. See Fig. 96 .
Left Rear Door Lock Knob Switch	Rear of left rear door. See Fig. 84 .
Left Rear Door Switch	On left "C" pillar. See Fig. 85 .
Moonroof Limit Switch Connector	Middle of roof. See Fig. 87 .
Oil Pressure Switch	On lower right front of engine. See Fig. 124 .
Parking Brake Switch	Top of parking brake pedal. See Fig. 42 .
Park Pin Switch Connector	In steering column. See Fig. 38 .
PSP Switch	On power steering pressure line. See Fig. 122 .
Rocker Arm Oil Pressure Switch (VTEC Oil Pressure Switch)	Lower front of engine. See Fig. 124 .
Security Hood Switch Connector	Center front of engine compartment. See Fig. 10 .
Tailgate Latch Switch Connector	In tailgate. See Fig. 112 .

2006 Honda Pilot EX

2006 HONDA Pilot

C604 (LX) (Gray, 8 Pin)	At left "B" pillar. See Fig. 83 .
C605 (EX, EX-L) (Gray, 10 Pin)	Under driver's seat. See Fig. 93 .
C605 (LX) (Gray, 2 Pin)	Under driver's seat. See Fig. 93 .
C606 (Gray, 2 Pin)	Under driver's seat. See Fig. 91 .
C607 (Gray, 6 Pin)	Under front passenger's seat. See Fig. 96 .
C608 (Gray, 2 Pin)	Under rear of vehicle. See Fig. 131 .
C609 (Gray, 6 Pin)	Under rear of vehicle. See Fig. 132 .
C610 (Gray, 4 Pin)	Under front passenger's seat. See Fig. 165 .
C651 (White, 21 Pin)	Behind right kick panel. See Fig. 158 .
C652 (White, 6 Pin)	Behind right kick panel. See Fig. 158 .
C653 (EX & EX-L) (Gray, 10 Pin)	At right "B" pillar. See Fig. 83 .
C653 (LX) (Gray, 8 Pin)	At right "B" pillar. See Fig. 83 .
C654 (Light Blue, 6 Pin)	Behind liftgate upper trim. See Fig. 90 .
C655 (White, 12 Pin)	Behind tailgate trim panel. See Fig. 90 .
C656 (Yellow, 4 Pin)	Under front passenger's seat. See Fig. 101 .
C657 (Yellow, 4 Pin)	Under driver's seat. See Fig. 100 .
C702 (EX & EX-L) (Gray, 6 Pin)	In left front door. See Fig. 82 .
C702 (LX) (Gray, 4 Pin)	In left front door. See Fig. 82 .
C710 (Gray, 2 Pin)	Under left side of dash. See Fig. 48 .
C801 (EX, EX-L) (Gray, 10 Pin)	Under center console. See Fig. 58 .
C801 (LX) (Gray, 3 Pin)	Under center console. See Fig. 58 .
C802 (Gray, 4 Pin)	Under front passenger's seat. See Fig. 96 .
C821 (Yellow, 28 Pin)	Under middle of dash. See Fig. 155 .
C851 (White, 6 Pin)	Behind liftgate trim panel. See Fig. 114 .
C852 (Brown, 2 Pin)	Behind liftgate trim panel. See Fig. 114 .
C853 (White, 12 Pin)	Behind liftgate trim panel. See Fig. 114 .
C854 (Yellow, 28 Pin)	Under middle of dash. See Fig. 155 .
C901 (White, 34 Pin)	Under center of console. See Fig. 64 .
C951 (Gray, 2 Pin)	Under center of console. See Fig. 63 .
C961 (Gray, 2 Pin)	Under middle of dash. See Fig. 152 .

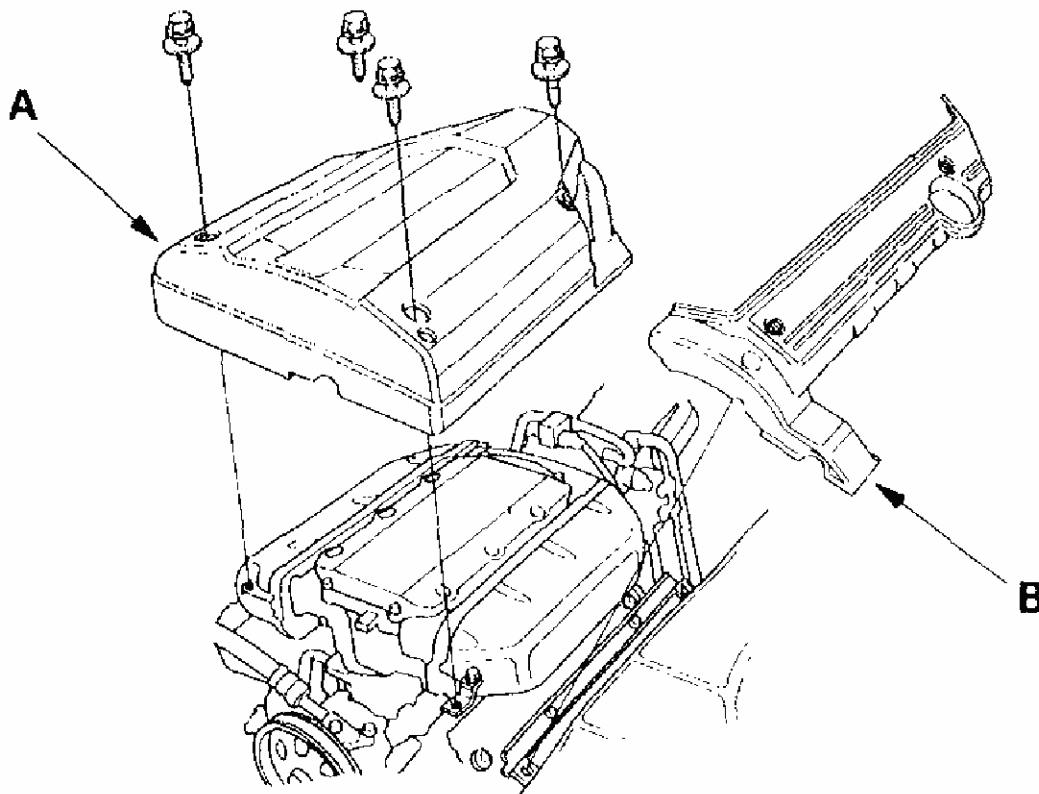
GROUNDS

GROUNDS LOCATION

Component	Location
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write down the frequencies for the radio's preset buttons.

2. Disconnect the battery negative cable from the battery.
3. Drain the engine coolant (see **COOLANT REPLACEMENT**).
4. Remove the alternator-compressor belt (see **ALTERNATOR BELT**).
5. Remove the intake manifold cover (A) and ignition coil cover (B).



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Fig. 142: Removing The Intake Manifold Cover & Ignition Coil Cover
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Loosen the adjusting nut (A), and remove the locknut (B) and mounting bolt (C), then remove the power steering (P/S) pump belt (D) and pump without disconnecting the P/S hoses.

2003 Honda Pilot LX

2003-04 ENGINE 3.5L V6 - Pilot

Throttle Body Bolt/Nut	16 (22)
VTEC Solenoid Valve/Oil Filter Assembly Bolt	16 (22)
INCH Lbs. (N.m)	
Auto-Tensioner Mounting Bolt	106 (12)
Coolant Passage Manifold Bolt	106 (12)
Crankshaft Rear Seal Cover Bolt	106 (12)
Cylinder Head Cover Bolt	106 (12)
Intake Manifold Bolt/Nut	106 (12)
Baffle Plate Bolt	106 (12)
Oil Pan Bolt ⁽⁷⁾	106 (12)
Timing Belt Cover Bolt	106 (12)
Valve Cover Bolt	106 (12)
Water Pump Bolt	106 (12)

(1) Rocker arm shaft bolts. Tighten bolts 2 turns at a time in sequence until rocker is seated, then tighten to specification. **Fig. 283** .

(2) Tighten an additional 90 degrees.

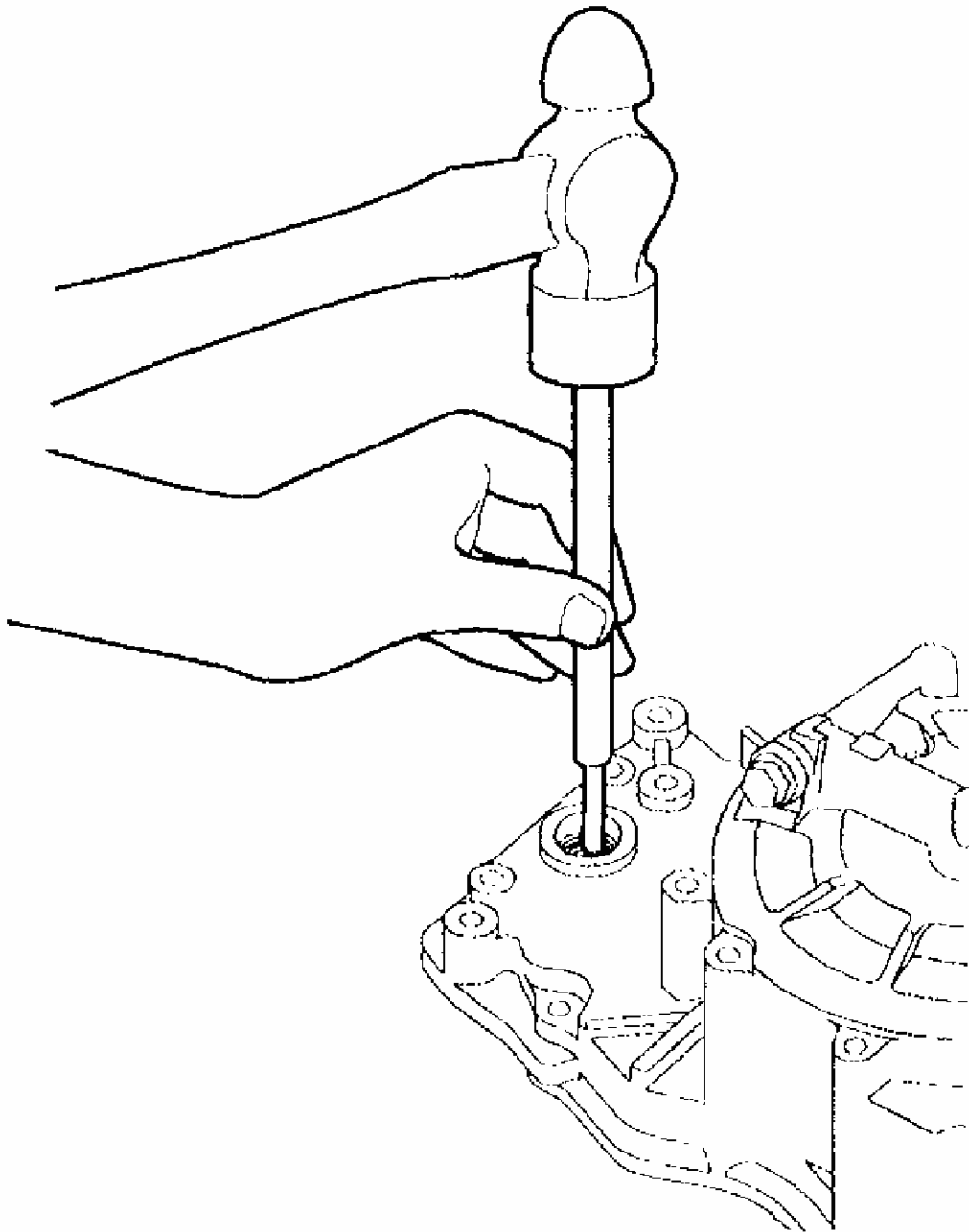
(3) Tighten in sequence, in 2-3 steps. **Fig. 284** .

(4) Tighten in a crisscross pattern.

(5) Tighten in sequence. **Fig. 285** .

(6) Tighten bolts to 106 INCH (12 N.m).

(7) Tighten in sequence. **Fig. 286**



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Fig. 11: Removing The Bearing

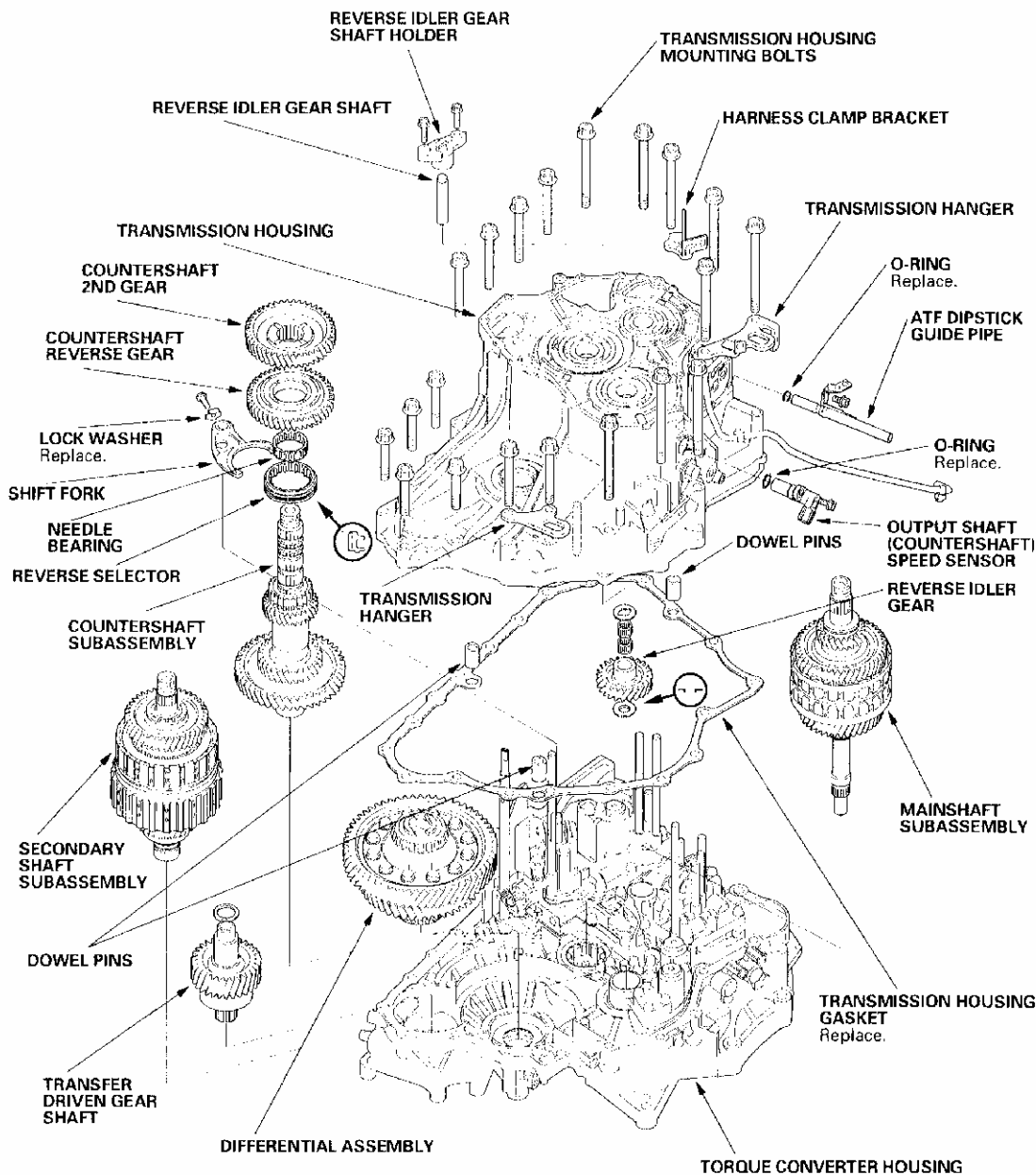
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Install the new bearing flush to the end cover with the special tools.

3. Install ATF feed pipe in the end cover by aligning the feed pipe tabs with the indentations in the end cover.
4. Install the new O-ring (F) in the end cover, then install the feed pipe flange over the ATF feed pipe and O-rings.
5. Secure the ATF feed pipe and feed pipe flange with the snap ring.

TRANSMISSION HOUSING

HOUSING & SHAFT ASSEMBLY REMOVAL



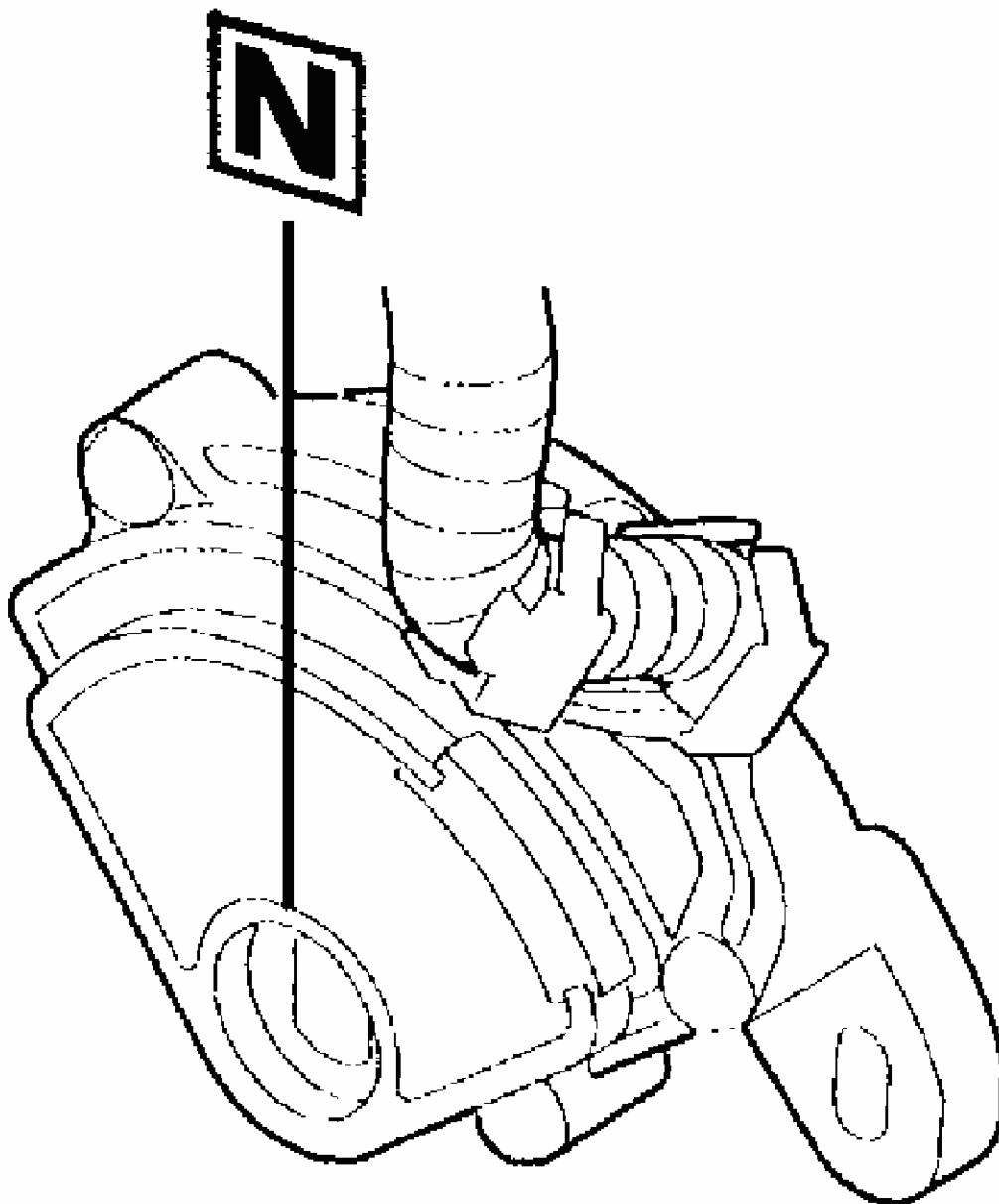
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Fig. 14: Exploded View Of Transmission Housing

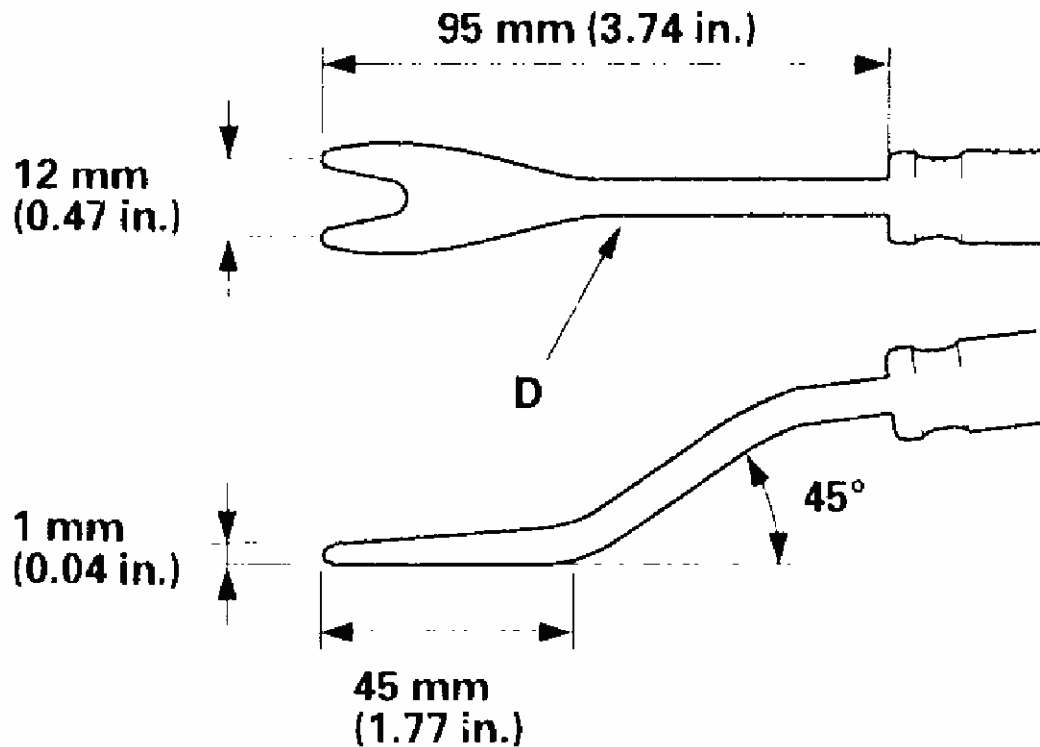
Fig. 140: Installing The ATF Cooler Lines, Sealing Washers, Line Bolts & Harness Clamp Bracket

Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE: The transmission range switch clicks in the N position.



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Fig. 10: Identifying Trim Pad Remover

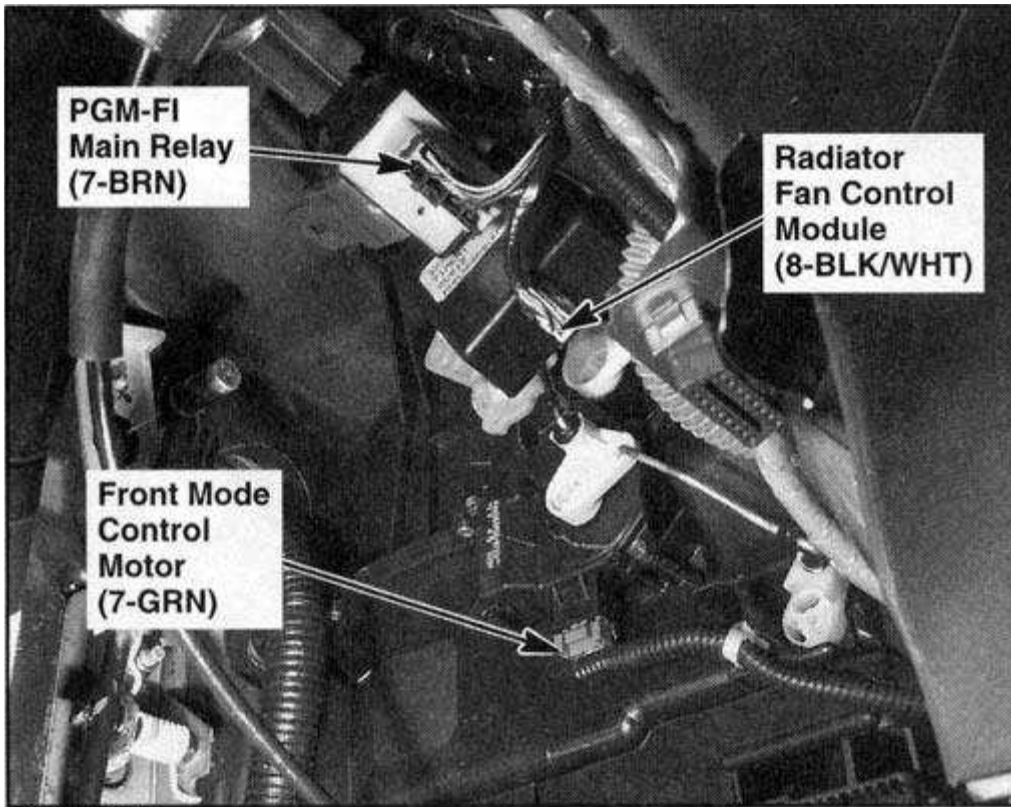
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Install the door panel in the reverse order of removal, and note these items:
 - Replace any damaged clips.
 - Make sure the connectors are plugged in properly.
 - Push the clips into place securely.
 - Do the power window control unit reset procedure (see **RESETTING THE POWER WINDOW CONTROL UNIT**).
 - Check the window and power door lock operations.

FRONT DOOR OUTER HANDLE REPLACEMENT

NOTE: Put on gloves to protect your hands.

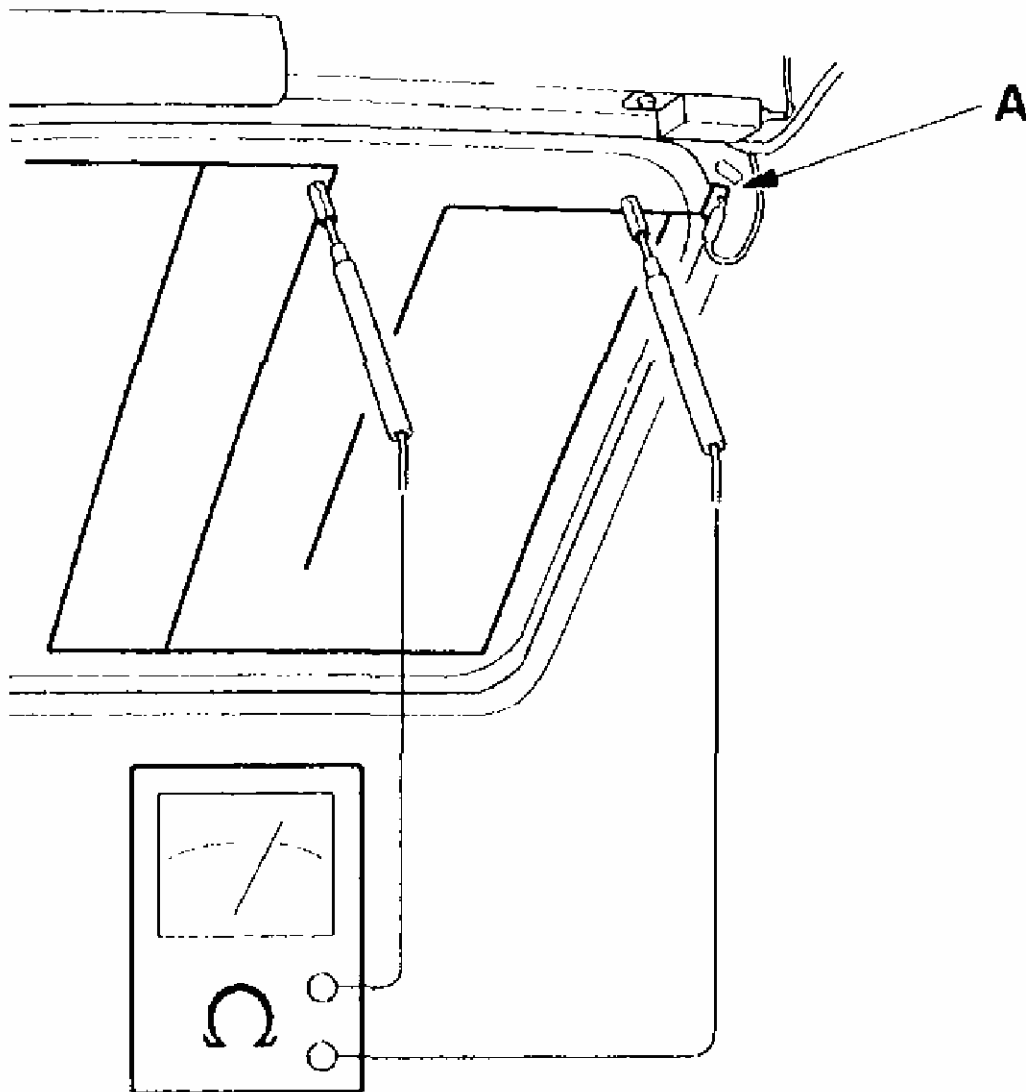
1. Remove these items:
 - Door panel (see **FRONT DOOR PANEL REMOVAL/INSTALLATION**)
 - Plastic cover, as necessary (see **COMPONENT LOCATION INDEX - FRONT**)



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Fig. 60: Under Left Side Of Dash

Courtesy of AMERICAN HONDA MOTOR CO., INC.



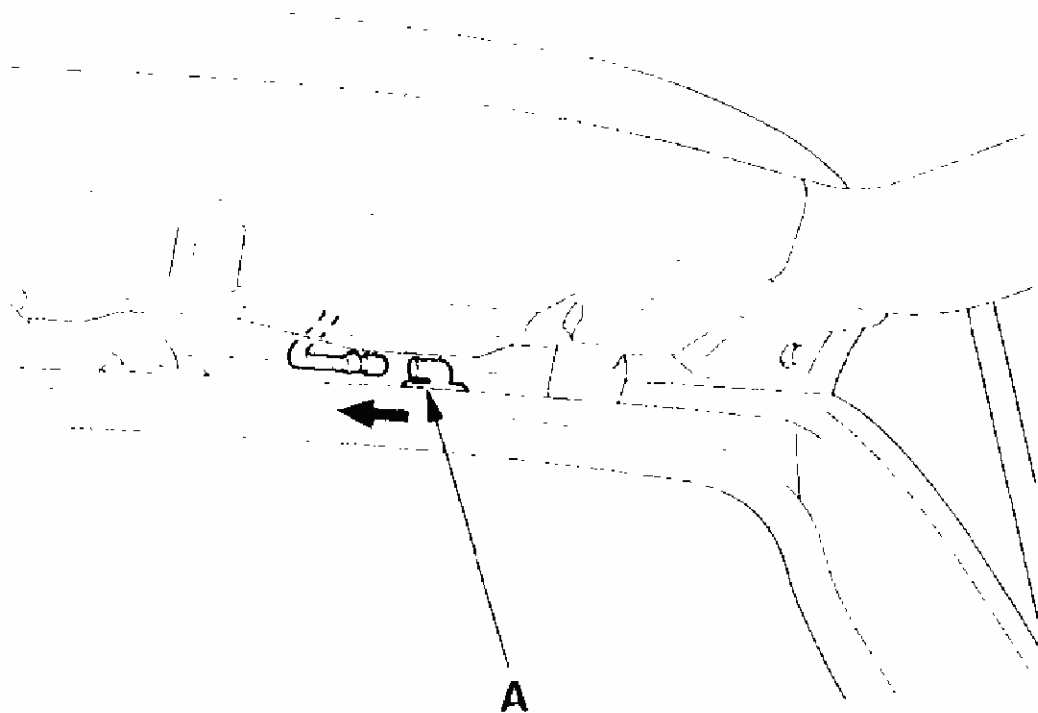
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Fig. 20: Testing Window Antenna Continuity
Courtesy of AMERICAN HONDA MOTOR CO., INC.

WINDOW ANTENNA REPAIR

NOTE: To make an effective repair, the broken section must be no longer than 1 inch.

1. Lightly rub the area around the broken section (A) with fine steel wool, then clean it with alcohol.



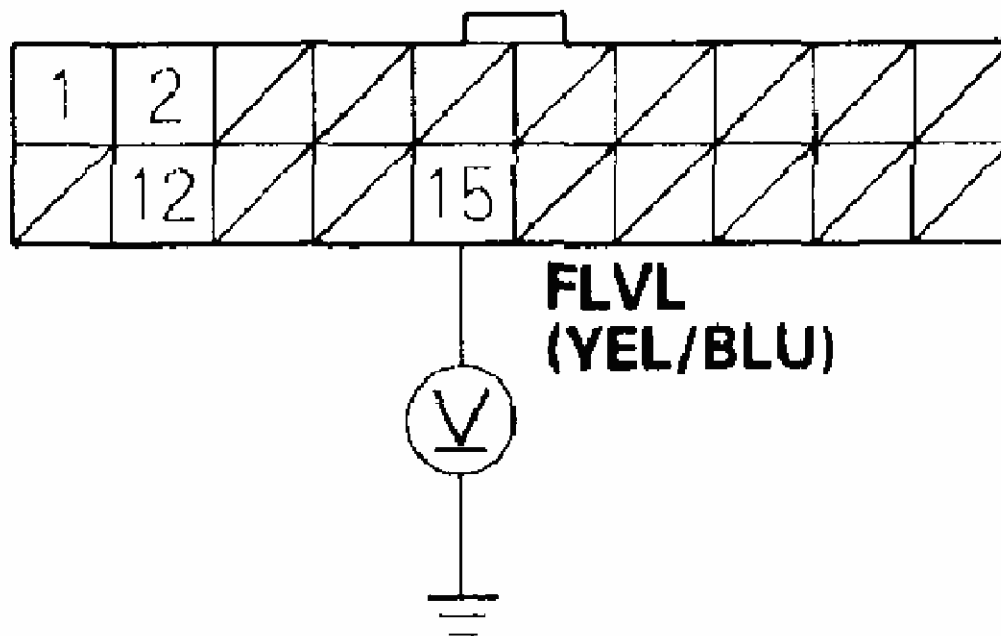
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Fig. 37: Disconnecting The Rear Window Washer Tube
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Gently close the tailgate, and lift up on the tailgate spoiler trim (A) to detach the clips. Remove the high mount brake light connector grommet (B) from the tailgate, and disconnect the high mount brake light connector (C), then remove the tailgate spoiler trim. Take care not to scratch the tailgate and body.

REMOVAL/INSTALLATION).

6. Cut the carpet at the dotted line, and remove the access panel (see step 3 on **Fuel Filter Replacement**).
7. Disconnect the fuel pump 5P connector.
8. Turn the ignition switch ON (II).
9. Measure voltage between PCM connector terminal E15 and body ground.

PCM CONNECTOR E (20P)**Wire side of female terminals**

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Fig. 3: Measuring Voltage Between PCM Connector Terminal E15 & Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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Is there battery voltage?

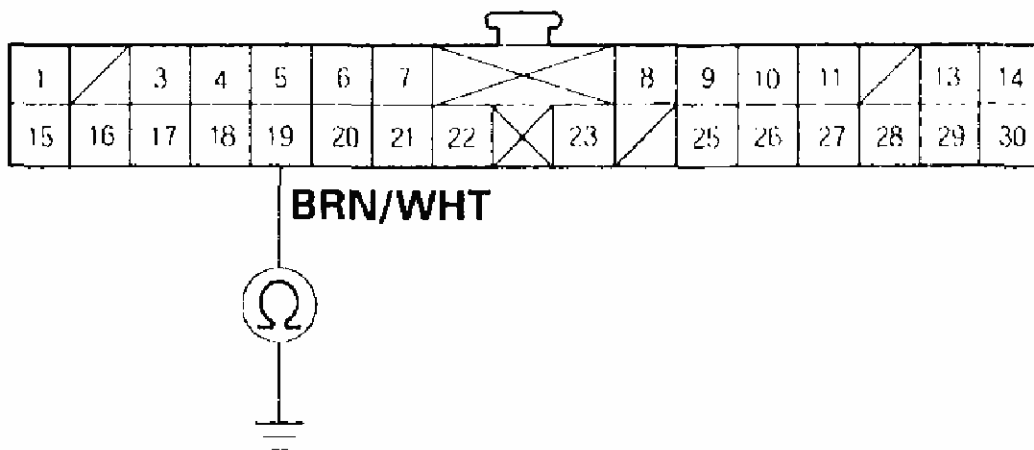
Is the resistance within the specifications shown on the graph?

YES - Go to step 3.

NO - Replace the outside air temperature sensor.

3. Disconnect climate control unit connector B (30P), and gauge assembly connector A (30P).
4. Check for continuity between the No. 19 terminal of climate control unit connector B (30P) and body ground.

CLIMATE CONTROL UNIT CONNECTOR B (30P)



Wire side of female terminals

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Fig. 29: Checking For Continuity Between The No. 19 Terminal Of Climate Control Unit Connector B (30P) & Body Ground
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

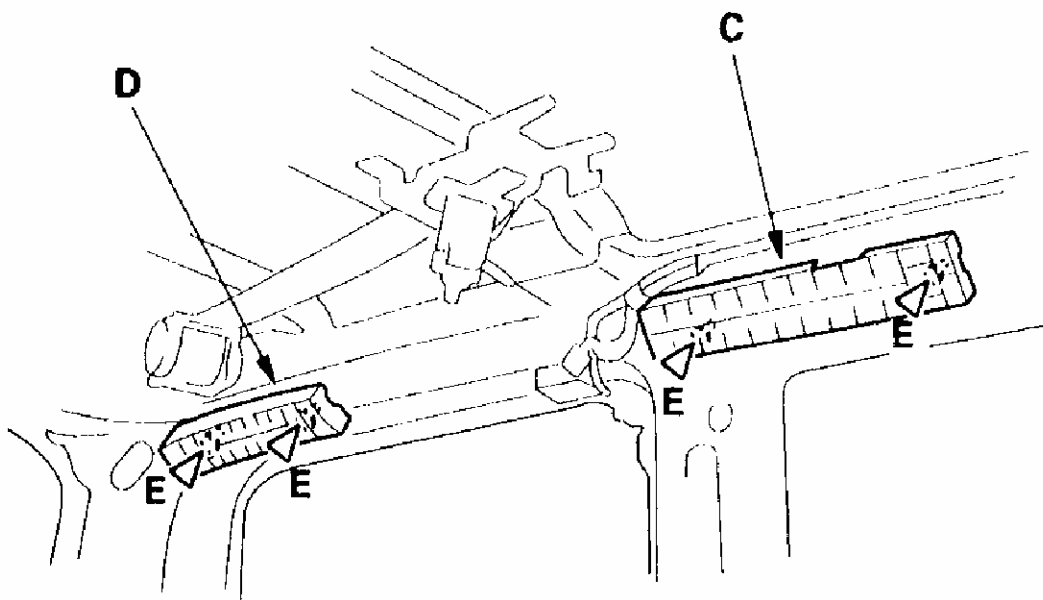
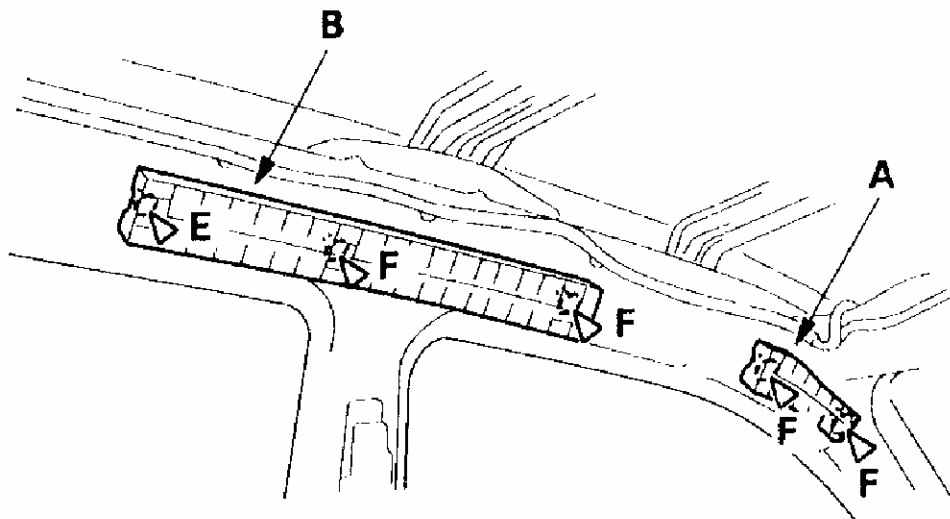
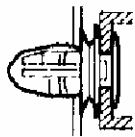
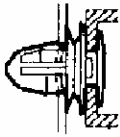
Is there continuity?

YES - Repair short to body ground in the wire between the climate control unit, the gauge assembly, and the outside air temperature sensor.

NO - Substitute a known-good climate control unit, and recheck. If the symptom/indication goes away, replace the original climate control unit.

E ▷ : Clip, 5
(White)

F ▷ : Clip, 4
(Black)



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Fig. 16: Identifying Headliner Fastener Locations (8 Of 8)