

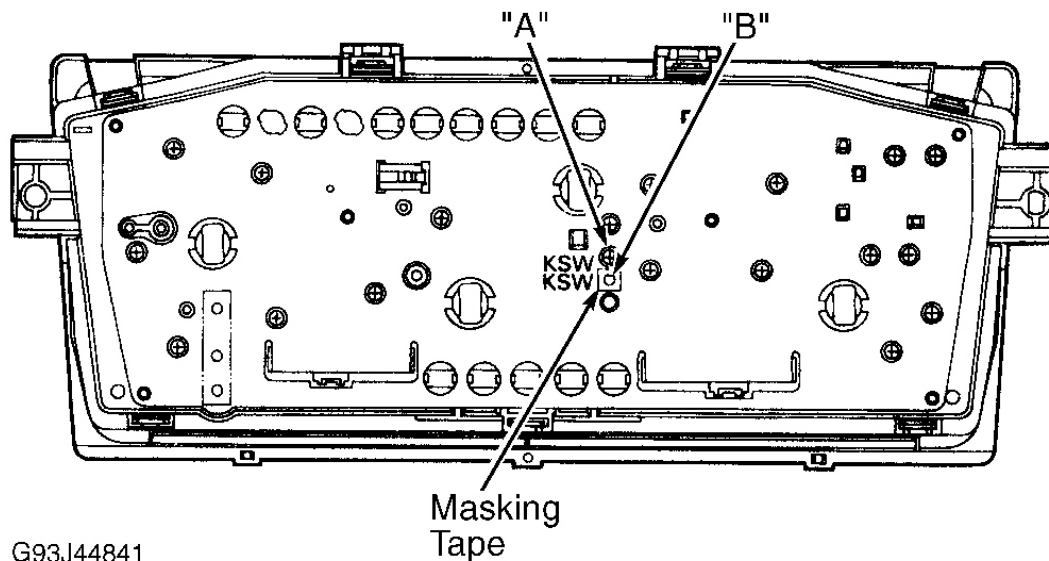
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**Fig. 1: Maintenance Reminder Light Reset**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

**1996-2000 CIVIC**

1. At each 7500 mile service interval, the MAINTENANCE REQUIRED light will change from Green to Yellow. If service is not performed (and light is not reset), the MAINTENANCE REQUIRED light will change from Yellow to Red.
2. When service has been completed, reset MAINTENANCE REQUIRED reminder light. To reset reminder light, turn ignition off. Insert ignition key in slot provided to the right of tachometer (or beside the indicator). See **Fig. 2**.



G93J44841

**Fig. 7: Identifying Oxygen Sensor Warning Light Reset Holes (3.2L)**  
 Courtesy of ISUZU MOTOR CO.

## TIRE PRESSURE MONITOR SYSTEM

### 2005-08 ODYSSEY

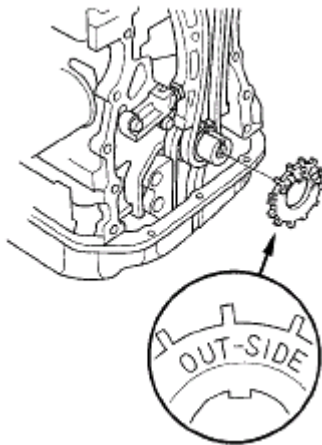
**NOTE:** If a flat tire is replaced with the spare tire, and the flat tire is stored in the cargo area, the low pressure indicator will stay on but the appropriate tire indicator will go off. This prevents the customer from thinking there is a problem with the spare tire. When the flat tire is taken out of the vehicle for repair, the TPMS indicator will come on because the system is no longer receiving the signal from the tire's transmitter.

**NOTE:** When a tire pressure sensor is replaced or tires are rotated, the sensor ID must be memorized by the TPMS control unit. See TIRE PRESSURE SENSOR REGISTRATION in appropriate manufacturer service information.

**NOTE:** On models equipped with PAX tire systems, if a tire is repaired or replaced, the warning indicator (and the mileage counter that supports it) must be reset, no matter how far the vehicle was driven in the run flat mode.

1. To put the gauge control module into the self-diagnostic mode, perform the following:
  - Turn the headlight switch to ON.
  - Press and hold the SELECT/RESET (Instrument panel brightness) knob.

3. Remove the drive belt (see **DRIVE BELT INSPECTION** ).
4. Remove the cylinder head cover (see **CYLINDER HEAD COVER REMOVAL** ).
5. Remove the crankshaft pulley (see **CRANKSHAFT PULLEY REMOVAL AND INSTALLATION** ).
6. Disconnect the crankshaft position (CKP) sensor connector and variable valve timing control (VTC) oil control solenoid valve connector (see step 8 ).
7. Remove the VTC oil control solenoid valve (see **VTC OIL CONTROL SOLENOID VALVE REMOVAL/TEST/INSTALLATION** ).
8. Support the engine with a jack and wood block under the oil pan.
9. Remove the ground cable, then remove the upper engine mount bracket (see step 11 ).
10. Remove the side engine mount bracket (see step 12 ).
11. Remove the chain case (see step 13 ).
12. Remove the CKP pulse plate.



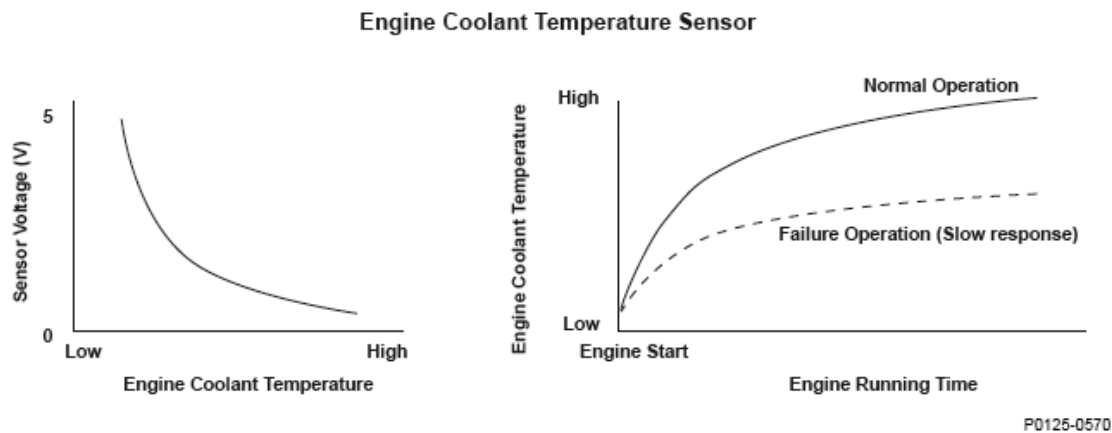
**Fig. 62: Identifying CKP Pulse Plate**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

13. Install the CKP pulse plate.
14. Check the chain case oil seal for damage. If the oil seal is damaged, replace the chain case oil seal (see **CHAIN CASE OIL SEAL INSTALLATION** ).
15. Remove any old liquid gasket from the chain case mating surfaces, bolt, and bolt holes.
16. Clean and dry the chain case mating surfaces.
17. Apply liquid gasket, P/N 08717-0004, 08718-0001, 08718-0003, or 08718-0009, evenly to the engine block mating surface of the chain case. Install the component within 5 minutes of applying the liquid gasket (see step 16 ).

**NOTE:**

- If you apply liquid gasket P/N 08718-0012, the component must be installed within 4 minutes.
- If too much time has passed after applying the liquid gasket, remove the old liquid gasket and residue, then reapply new liquid gasket.



**Fig. 24: Engine Coolant Temperature (ECT) Sensor - Graph**

**General Description**

The engine control module (ECM)/powertrain control module (PCM) supplies voltage to the engine coolant temperature (ECT) signal circuit (about 5 V) through a pull-up resistor. As the engine coolant cools, the ECT sensor 1 resistance increases, and the ECM/PCM detects a high signal voltage. As the engine coolant warms, the ECT sensor 1 resistance decreases, and the ECM/PCM detects a low signal voltage.

If the ECT sensor 1 output voltage does not reach a specified temperature at which closed-loop control for stoichiometric air/fuel ratio starts within a set time, depending on the initial coolant temperature after starting the engine, the ECM/PCM detects a malfunction and a DTC is stored.

**Monitor Execution, Sequence, Duration, DTC Type, OBD Status**

**MONITOR DESCRIPTION**

Execution	Once per driving cycle
Sequence	None
Duration	20 minutes or less
DTC Type	Two drive cycles, MIL ON
OBD Status	PASSED/FAILED/NOT COMPLETED (STILL TESTING)

**Enable Conditions**

**ENABLE CONDITIONS**

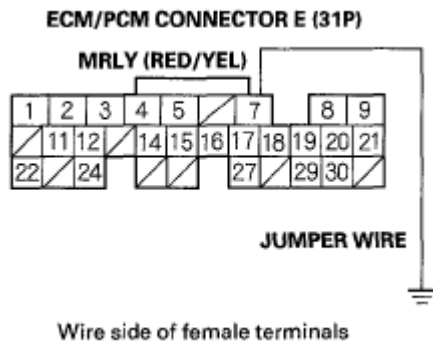
Condition	Minimum	Maximum
Initial engine coolant temperature	-	0 °F (-18 °C)
Fuel feedback	Other than during fuel cut-off operation	
No active DTCs	P0010, P0011, P0101, P0102, P0103, P0107, P0108, P0111, P0112, P0113, P0117, P0118, P0134, P0135, P0171, P0172, P0300, P0301, P0302, P0303, P0304, P0335, P0339, P0340, P0341, P0344, P0443, P0496, P0497, P0506, P0507, P1009, P1128,	

## 2007 Honda Element EX

### 2007-2008 ENGINE PERFORMANCE Fuel Supply System - Element

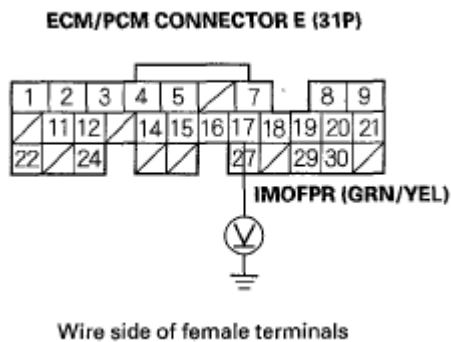
**NO** -Repair open in the wire between PGM-FI main relay 2 (FUEL PUMP) and the ECM/PCM (E17).

10. Reinstall PGM-FI main relay 2 (FUEL PUMP).
11. Connect ECM/PCM connector terminal E7 to body ground with a jumper wire.



**Fig. 13: Connecting ECM/PCM Connector Terminal E7 To Body Ground With Jumper Wire**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

12. Turn the ignition switch ON (II).
13. Measure voltage between ECM/PCM connector terminal E17 and body ground.



**Fig. 14: Measuring Voltage Between ECM/PCM Connector Terminal E17 And Body Ground**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there battery voltage?*

**YES** -Go to step 14.

**NO** -Replace PGM-FI main relay 2 (FUEL PUMP).

14. Turn the ignition switch OFF.
15. Remove the jumper wire, then reconnect ECM/PCM connector E (31P).
16. Open the SCS line with the HDS.
17. Turn the ignition switch ON (II), and measure voltage between ECM/PCM connector terminal E17 and body ground within 2 seconds.

## 2007 Honda Element EX

2007-2008 TRANSMISSION Automatic Transmission - Element

5. Monitor the OBD STATUS for P0718 in the DTCs MENU with the HDS.

*Does the screen indicate FAILED?*

**YES** -Go to step 6.

**NO** -If the screen indicates PASSED, intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the input shaft (mainshaft) speed sensor and the PCM. If the screen indicates NOT COMPLETED, go to step 3.

6. Turn the ignition switch OFF.
7. Disconnect the input shaft (mainshaft) speed sensor connector, and inspect the connector and connector terminals to be sure they are making good contact.

*Are the connector terminals OK?*

**YES** -Go to step 8.

**NO** -Repair the connector terminals, then go to step 8.

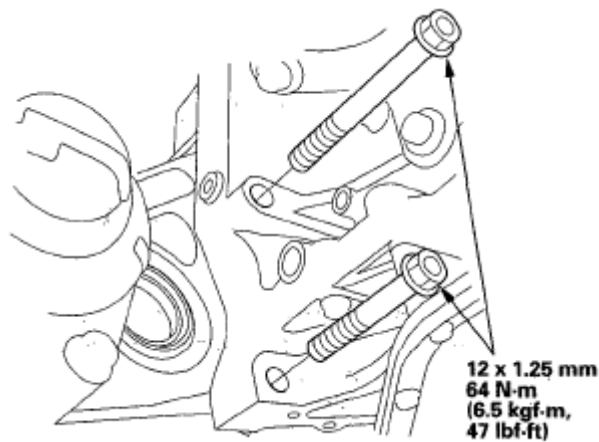
8. Connect the input shaft (mainshaft) speed sensor connector.
9. Test-drive the vehicle at speeds over 12 mph (20 km/h) in the D position through all five gears.
10. Turn the ignition switch OFF, and repeat the test-drive in step 9.
11. Monitor the OBD STATUS for P0718 in the DTCs MENU with the HDS.

*Does the screen indicate FAILED?*

**YES** -Go to step 12.

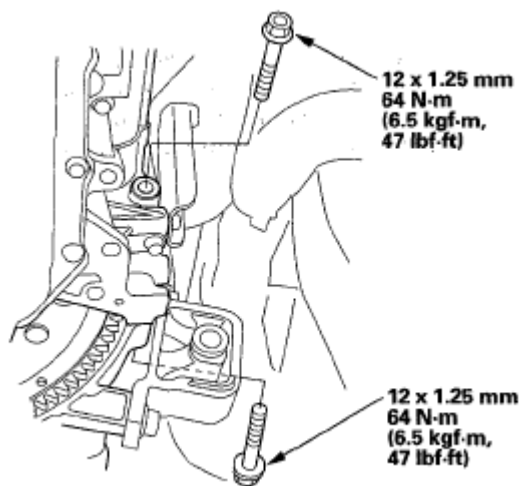
**NO** -If the screen indicates PASSED, troubleshooting is complete. If the screen indicates NOT COMPLETED, go to step 9.

12. Turn the ignition switch OFF.
13. Jump the SCS line with the HDS.
14. Disconnect PCM connector C (22P).
15. Disconnect the input shaft (mainshaft) speed sensor connector.
16. Check for continuity between input shaft (mainshaft) speed sensor connector terminal No. 2 and body ground.



**Fig. 251: Identifying Transmission Housing Rear Mounting Bolts With Torque Specification**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

9. Install the transmission housing front mounting bolts.

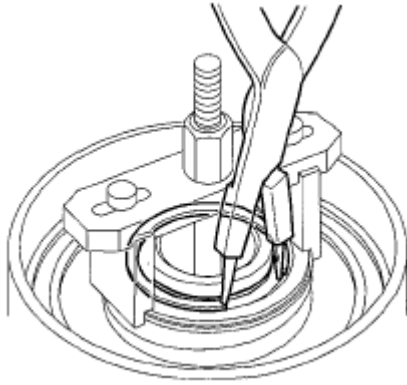


**Fig. 252: Identifying Transmission Housing Front Mounting Bolts With Torque Specifications**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

10. Install the transmission housing upper mounting bolts.

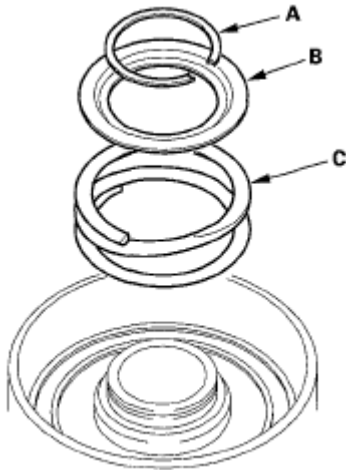
Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Remove the snap ring with snap ring pliers.



**Fig. 487: Identifying Snap Ring With Snap Ring Pliers**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

16. Remove the clutch spring compressor attachment and clutch spring compressor bolt assembly.
17. Remove the snap ring (A), spring retainer (B), and return spring (C).

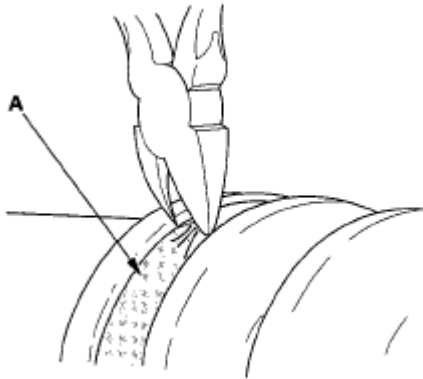


**Fig. 488: Identifying Snap Ring, Spring Retainer And Return Spring**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

18. Wrap a shop rag around the clutch drum (A), and apply air pressure to the fluid passage to remove the piston (B). Place a finger tip on the other passage while applying air pressure.

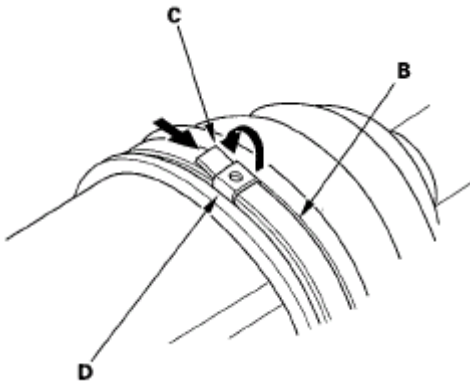


**Welded type**



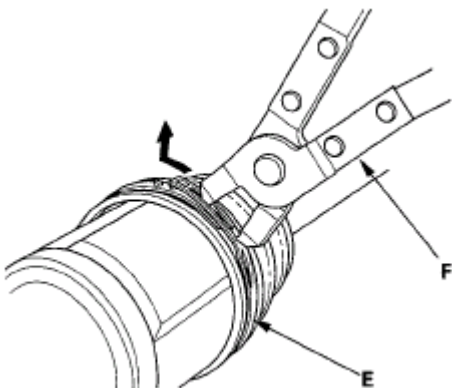
**Fig. 9: Identifying Boot Bands (Welded Type)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

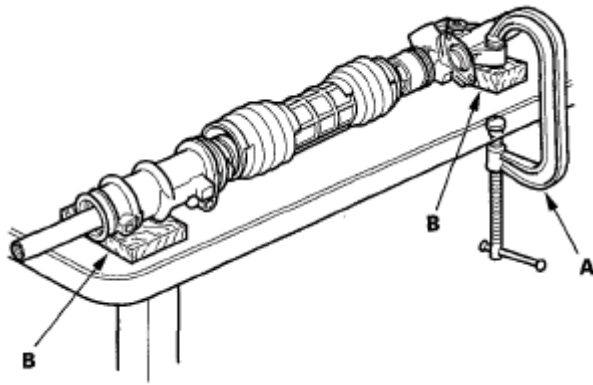
**Double loop type**



**Fig. 10: Identifying Boot Bands (Double Loop Type)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

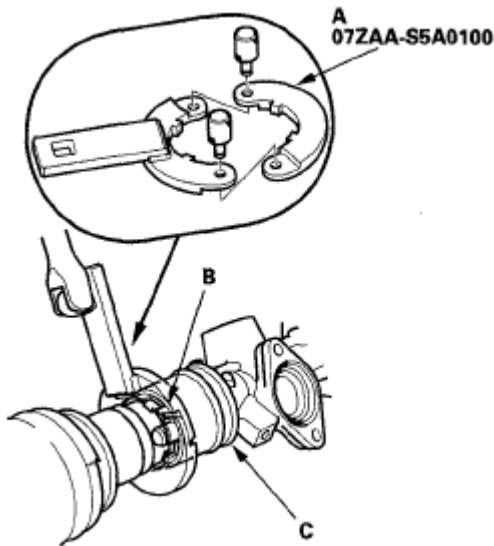
**Low profile type**





**Fig. 78: Holding Gearbox Housing Using C-Clamp**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

14. Install the locknut wrench (A) on the lock screw (B), then loosen and remove the lock screw from inside of the gearbox housing (C).

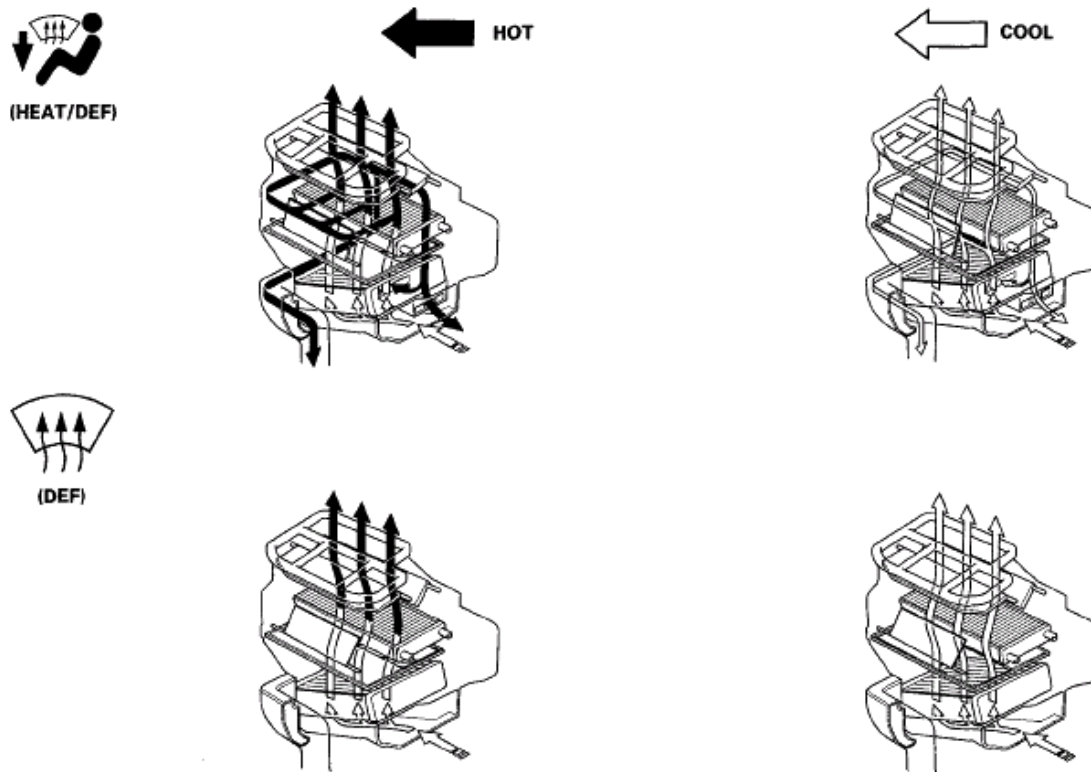


**Fig. 79: Installing Locknut Wrench On Lock Screw**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

15. Remove the locknut wrench.
16. Pull on the cylinder to remove it from the gearbox housing. Remove boot A and the slider guide (B) from the cylinder.

## 2007 Honda Element EX

2007-2008 HVAC HVAC - Element



**Fig. 10: Identifying Heating/Air Conditioning Door Positions (2 Of 2)**  
Courtesy of AMERICAN HONDA MOTOR CO., INC.

The air conditioning system removes heat from the passenger compartment by transferring heat from the ambient air to the evaporator. The evaporator cools the air with the refrigerant that is circulating through the evaporator. The refrigerant expands in the evaporator, and the evaporator becomes very cold and absorbs the heat from the ambient air. The blower fan pushes air across the evaporator where the heat is absorbed, and then it blows the cool air into the passenger compartment.

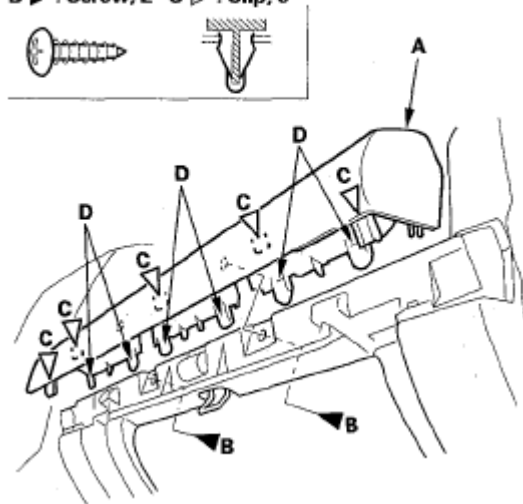
## PASSENGER'S DASHBOARD LOWER PANEL REMOVAL/INSTALLATION

**NOTE:** Take care not to scratch the dashboard and related parts.

1. Remove the glove box stop on each side, then lower the glove box (see step 1 ).
2. Remove the dashboard lower panel (A).
  - 1 Remove the screws (B).
  - 2 Gently pull out the panel to release the clips (C) and hooks (D).

### Fastener Locations

B ▶ : Screw, 2 C ▷ : Clip, 5



**Fig. 22: Identifying Clips And Hooks**

3. Install the panel in the reverse order of removal, and push the clips into place securely.

## DASHBOARD REMOVAL/INSTALLATION

### Special Tools Required

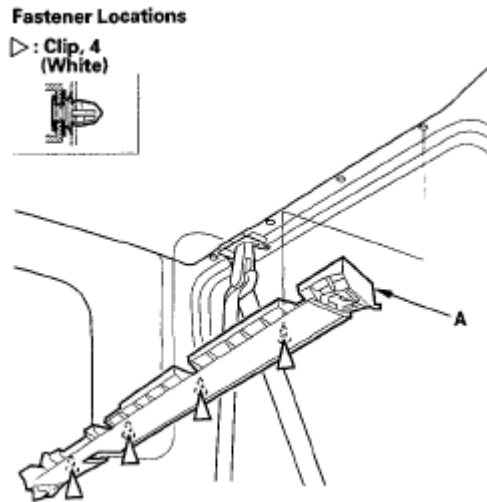
KTC trim tool set SOJATP2014 \*

SRS components are located in this area. Review the SRS component locations (see **COMPONENT LOCATION INDEX** ) and the precautions and procedures (see **PRECAUTIONS AND PROCEDURES** ) before doing repairs or service.

### NOTE:

- Use the appropriate tool from the KTC trim tool set to avoid damage when prying components.
- Have an assistant help you when prying and installing the dashboard.
- Take care not to scratch the dashboard, body, and other related parts.

6. Detach the clips by pulling the trim back, then remove the upper quarter window trim (A).



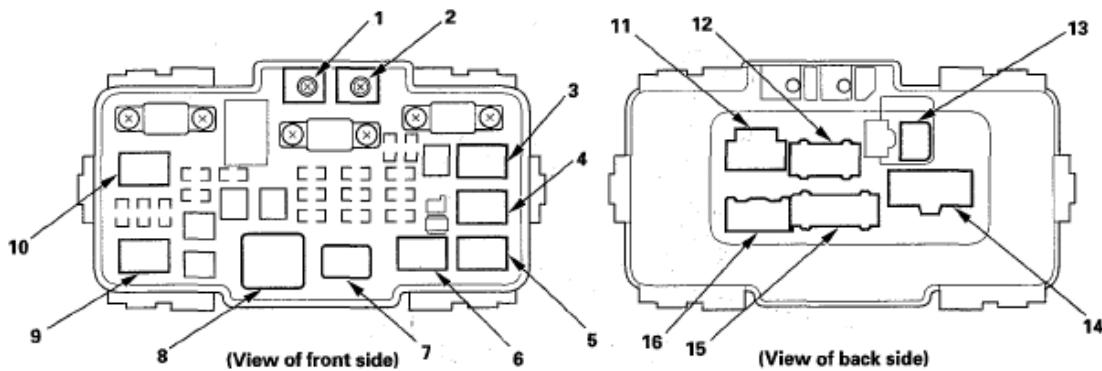
**Fig. 19: Identifying Upper Quarter Window Trim Clips**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Install the trim in the reverse order of removal, and note these items:
- Check if the clips (A) are damaged or stress-whitened, and if necessary, replace them with new ones.
  - If the side curtain airbag has deployed, replace the C-pillar trim and all clips on the trim with new ones (see **SIDE CURTAIN AIRBAG REPLACEMENT** ).
  - To prevent the side curtain airbags from deploying improperly and possibly causing injury, inspect the trim and replace it if it has any of these types of damage:
    - Any cracks or deformations in the upper quarter window trim (B), the C-pillar trim (C) and the upper hooks (D), and any stress-whitened areas in the upper part of the trim
    - Any cracks or stress-whitened areas in the clips seating surfaces (E)
  - Replace any damaged parts with new ones.
  - Make sure the hooks on the C-pillar trim are installed in the side curtain airbag bracket properly.
  - Make sure the trim hook is installed into the side curtain airbag the quarter pillar bracket securely.
  - Push the clips and hooks into place securely.
  - Before installing the anchor bolts, make sure there are no twists or kinks in the seat belt.

### Upper quarter window trim

## 2007 Honda Element EX

2007-08 ELECTRICAL Fuse/Relay Boxes - Element



**Fig. 1: Identifying Under-Hood Fuse/Relay Box**  
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

### UNDER-DASH FUSE/RELAY BOX

#### UNDER-DASH FUSE/RELAY BOX

Socket	Ref	Terminal	Connects to
A	2	5	Dashboard wire harness B (see <b><u>DASHBOARD WIRE HARNESS B</u></b> )
B	3	6	Dashboard wire harness B (see <b><u>DASHBOARD WIRE HARNESS B</u></b> )
C	1	14	Dashboard wire harness B (see <b><u>DASHBOARD WIRE HARNESS B</u></b> )
D	4	12	ECM/PCM wire harness (see <b><u>ECM/PCM WIRE HARNESS</u></b> )
E	5	13	ECM/PCM wire harness (see <b><u>ECM/PCM WIRE HARNESS</u></b> )
F	19	12	Dashboard wire harness A (see <b><u>DASHBOARD WIRE HARNESS A (LEFT BRANCH)</u></b> )
G	9	10	ECM/PCM wire harness (see <b><u>ECM/PCM WIRE HARNESS</u></b> )
H	8	3 E	ECM/PCM wire harness (see <b><u>ECM/PCM WIRE HARNESS</u></b> )
I	20	5	
J	21	8	Dashboard wire harness B (see <b><u>DASHBOARD WIRE HARNESS B</u></b> )
K	23	17	Dashboard wire harness A (see <b><u>DASHBOARD WIRE HARNESS A (LEFT BRANCH)</u></b> )
L	24	10	Dashboard wire harness A (see <b><u>DASHBOARD WIRE HARNESS A (LEFT BRANCH)</u></b> )
M	22	12	Dashboard wire harness A (see <b><u>DASHBOARD WIRE HARNESS A (LEFT BRANCH)</u></b> )
N	27	6	Dashboard wire harness A (see <b><u>DASHBOARD WIRE HARNESS A (LEFT BRANCH)</u></b> )

# 2007 Honda Element EX

## 2007 SYSTEM WIRING DIAGRAMS Honda - Element

