



INSTALLATION INSTRUCTIONS

Accessory	Application	Publications No.
AIR CONDITIONER	2003 ELEMENT (DX)	All 24107-25042
		Issue Date
		MAY 2003

What's New

The A/C kit and instructions for the 2003 Element are all new. Follow these instructions carefully.

TOOLS AND SUPPLIES REQUIRED

- Open-end wrench set
- 90-Degree hook-shaped tool
- Screwdrivers
- Socket wrench set
- 1/2" Drive breaker bar
- Torque wrench
- Refrigerant oil (R12 mineral oil or R134a PAG oil)
- Fender covers, floor mats, and seat covers
- HFC-134a Refrigerant recovery/ recycling/ charging station
- Gloves
- Eye protection (face shield, safety goggles, etc.)
- Electronic leak detector
- Auto-tensioner wrench

NOTICE

- **Use only HFC-134a in this system;** do not use CFC 12 Refrigerant; do not install parts designed for use in a CFC system.
- **Use a charging station.** A/C charging stations and refrigerant recovery/recycling/charging stations minimize the release of CFCs and HFCs into the atmosphere. Use them for all A/C charging and service work according to their manufactures' instructions.
- **Do not overcharge.** This system requires only the amount of HFC-134a refrigerant shown below. If you overcharge the system, the engine and the A/C will malfunction.

500 to 550 grams
.50 to .55 kilograms
1.1 to 1.2 pounds
17.6 to 19.4 ounces

INSTALLATION

NOTE:

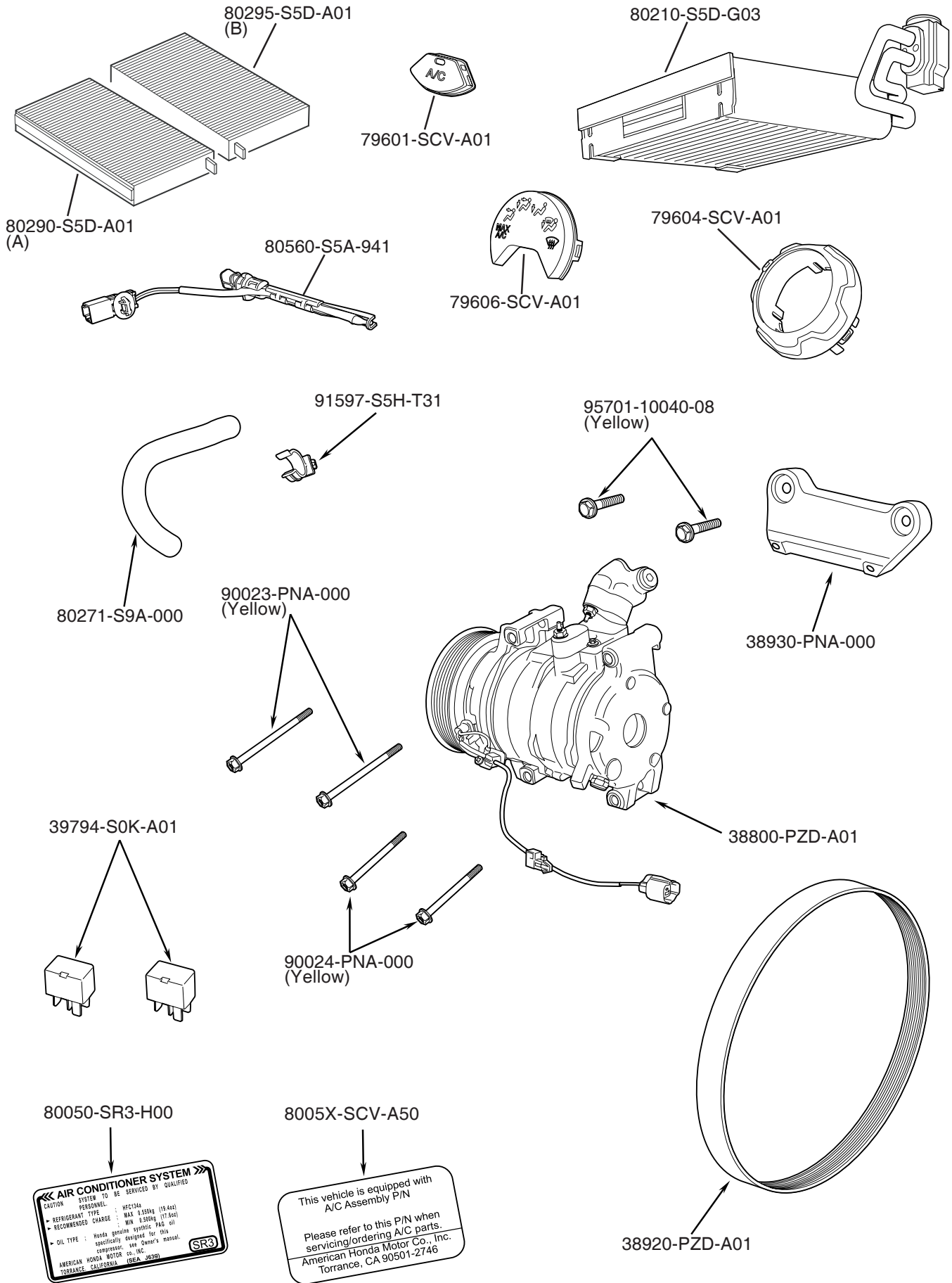
Customer Information: The information in these instructions are intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your car. These procedures should not be attempted by "do-it-yourselfers."

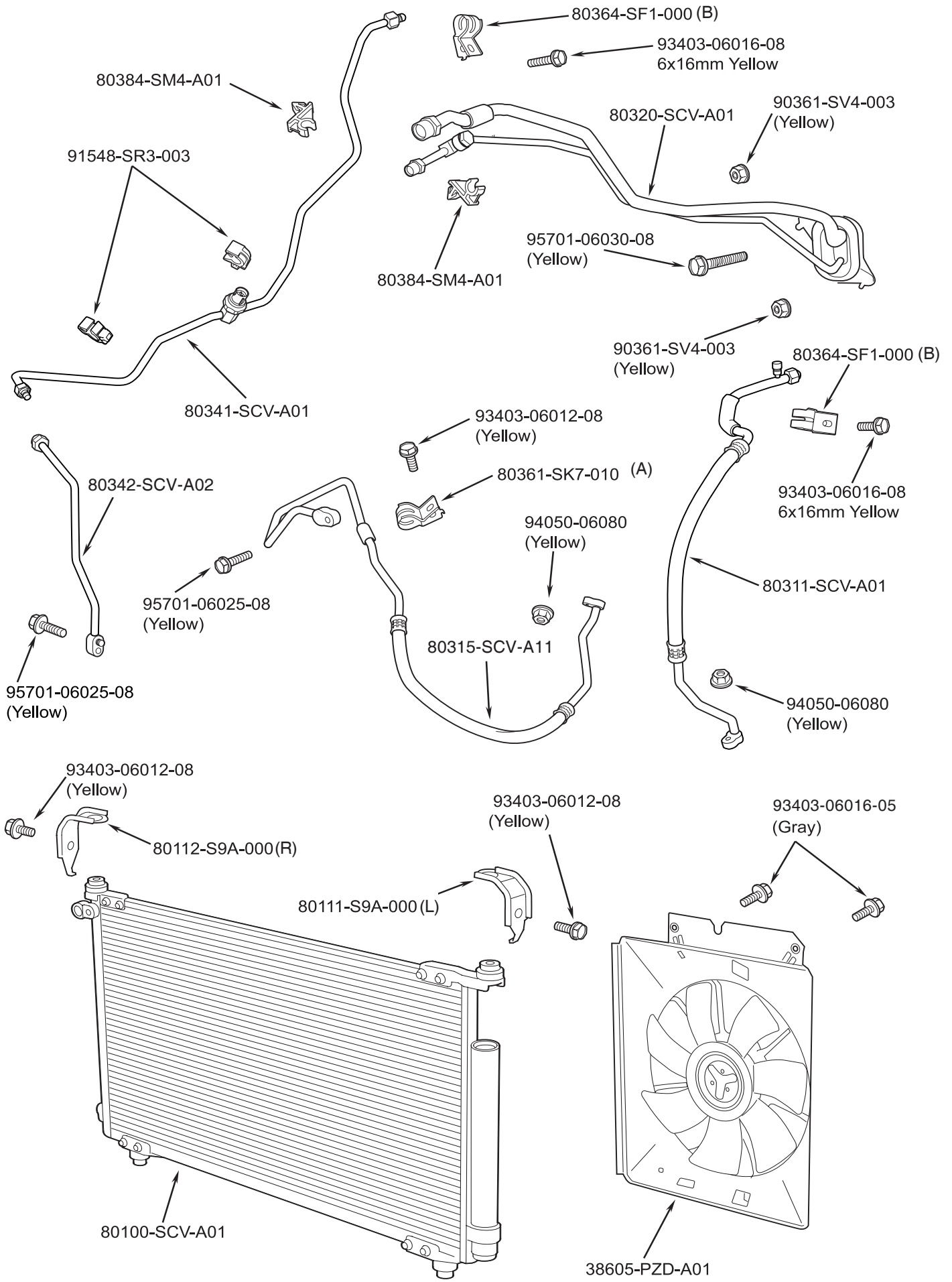
- **Write down the customer's radio station presets.** The radio memory will be erased when you disconnect the battery.
- **Make sure you install the right part.** Use the illustrations on pages 2 and 3 to check the parts before you install them.
- **Don't remove plugs and caps from fittings until the parts are ready to connect.** This will keep out moisture and dirt which could cause wear and damage.
- **Before you connect any line or hose, check and lube its O-ring.** Make sure the O-ring is inside the fitting, put a few drops of refrigerant oil on it and on the threads, and then connect the fitting.
- You may use either type of refrigerant oil to lubricate O-rings and fittings.
- If you add or replace refrigerant oil in the system, *only* use PAG oil ND Oil-8, P/N 38899-PR7-A01AH.
- **Route and secure the lines and hoses properly.** Maintain clearance between them and surrounding parts.
- **Use two wrenches to tighten or loosen fittings.** Hold one fitting in place while you tighten the other one against it.
- **Before you connect each connector, check its terminals.** Make sure they aren't bent or out of place.

NOTICE

Don't overtighten; you could damage the fittings. Before you tighten a fitting, check the torque listed for it. If leaks are caused by faulty O-rings, overtightening the fitting won't help.

Parts Index





PARTS LIST

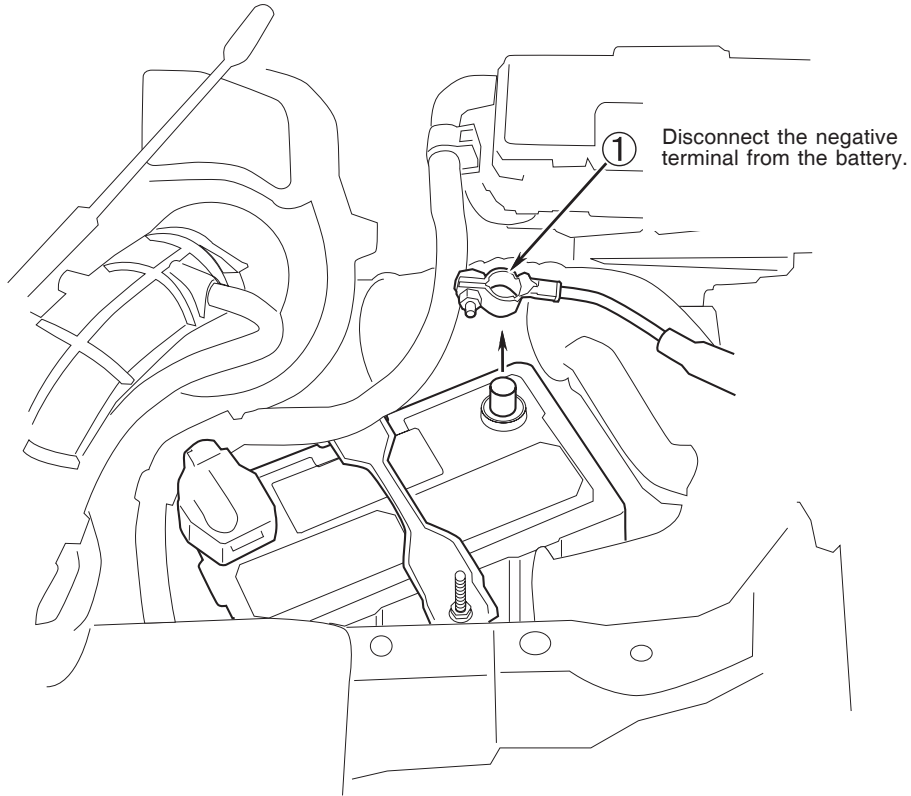
KIT No. 80000-SCV-A50

A/C INFORMATION LABEL	80050-SR3-H00	1
A/C KIT LABEL	8005X-SCV-A50	1
A/C KNOB	79601-SCV-A01	1
A/C MODE DISPLAY	79606-SCV-A01	1
A/C PIPE UNIT	80320-SCV-A01	1
CLIP 8 mm	91548-SR3-003	2
COMPRESSOR	38800-PZD-A01	1
COMPRESSOR BRACKET	38930-PNA-000	1
COMPRESSOR BELT	38920-PZD-A01	1
CONDENSER FAN	38605-PZD-A01	1
CONDENSER	80100-SCV-A01	1
DISCHARGE HOSE	80315-SCV-A11	1
DRAIN HOSE	80271-S9A-000	1
DRAIN HOSE CLIP	91597-S5H-T31	1
ELEMENT FILTER (A)	80290-S5D-A01	1
ELEMENT FILTER (B)	80295-S5D-A01	1
EVAPORATOR	80210-S5D-G03	1
EVAPORATOR SENSOR	80560-S5A-941	1
FLANGE BOLT 6x25 mm (YELLOW)	95701-06025-08	2
FLANGE BOLT 6x30 mm (YELLOW)	95701-06030-08	1
FLANGE BOLT 10x40 mm (YELLOW)	95701-10040-08	2
FLANGE BOLT 8x65 mm (YELLOW)	90024-PNA-000	2
FLANGE BOLT 8x80 mm (YELLOW)	90023-PNA-000	2
FLANGE NUT 6 mm (YELLOW)	94050-06080	2
LEFT UPPER CONDENSER BRACKET	80111-S9A-000	1
POWER RELAY	39794-S0K-A01	2
PAINT CUTTING NUT 6 mm (YELLOW)	90361-SV4-003	2
RECEIVER PIPE (A)	80341-SCV-A01	1
RECEIVER PIPE (B)	80342-SCV-A02	1
RECEIVER PIPE CLIP	80384-SM4-A01	2
RIGHT UPPER CONDENSER BRACKET	80112-S9A-000	1
SUCTION HOSE	80311-SCV-A01	1
SUCTION PIPE CLAMP (A)	80361-SK7-010	1
SUCTION PIPE CLAMP (B)	80364-SF1-000	2
TURN DIAL COMP	79604-SCV-A01	1
WASHER-BOLT 6x16 mm (GRAY)	93403-06016-05	2
WASHER-BOLT 6x12 mm (YELLOW)	93403-06012-08	3
WASHER-BOLT 6x16 mm (YELLOW)	93403-06016-08	2

1. Remove the negative battery cable (one step).

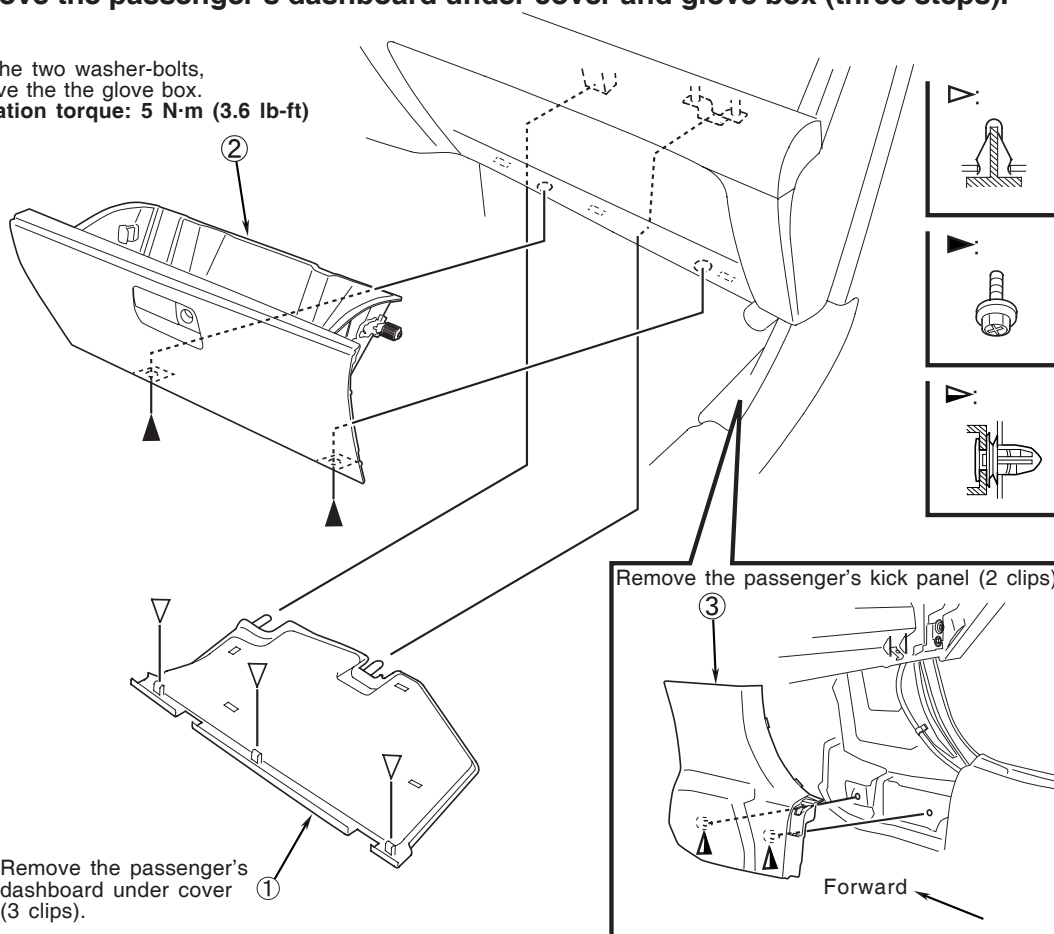
Make sure you have the anti-theft code for the radio, then write down the frequencies for the preset buttons.

NOTE: Do not allow the negative cable to make contact with the positive cable.

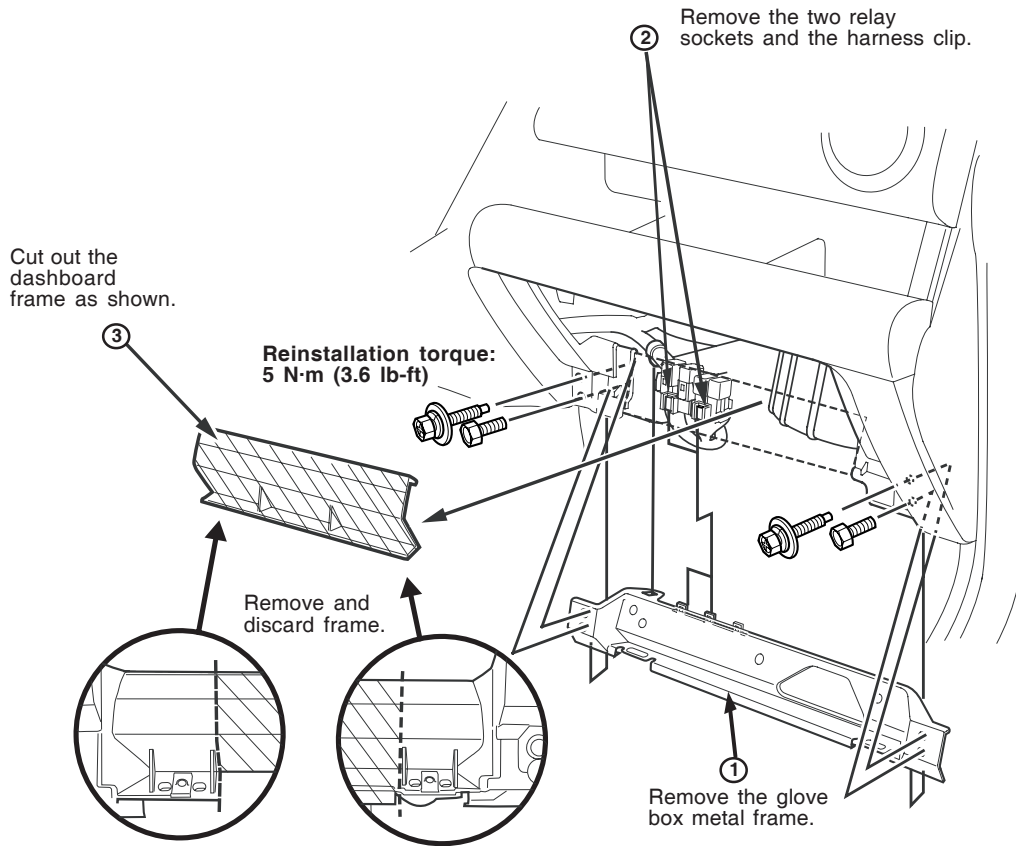


2. Remove the passenger's dashboard under cover and glove box (three steps).

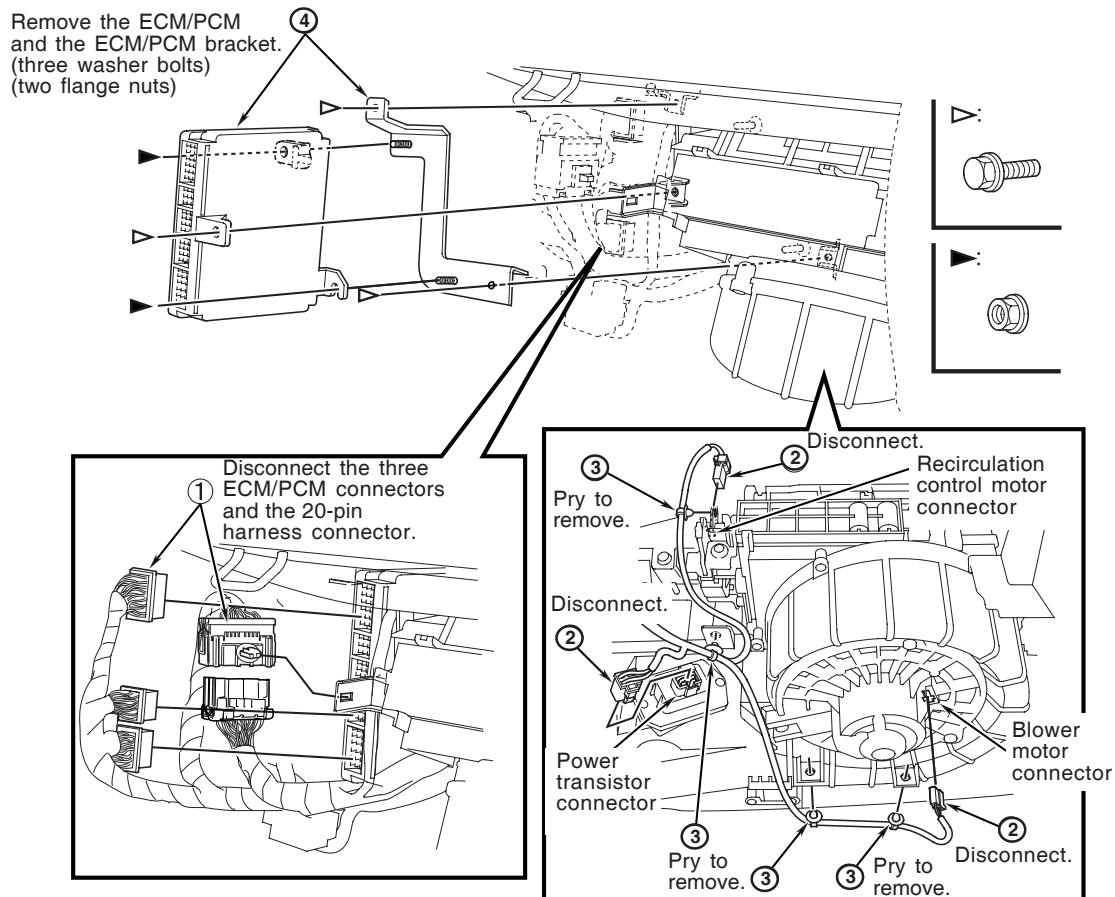
Remove the two washer-bolts, and remove the the glove box.
Reinstallation torque: 5 N·m (3.6 lb-ft)



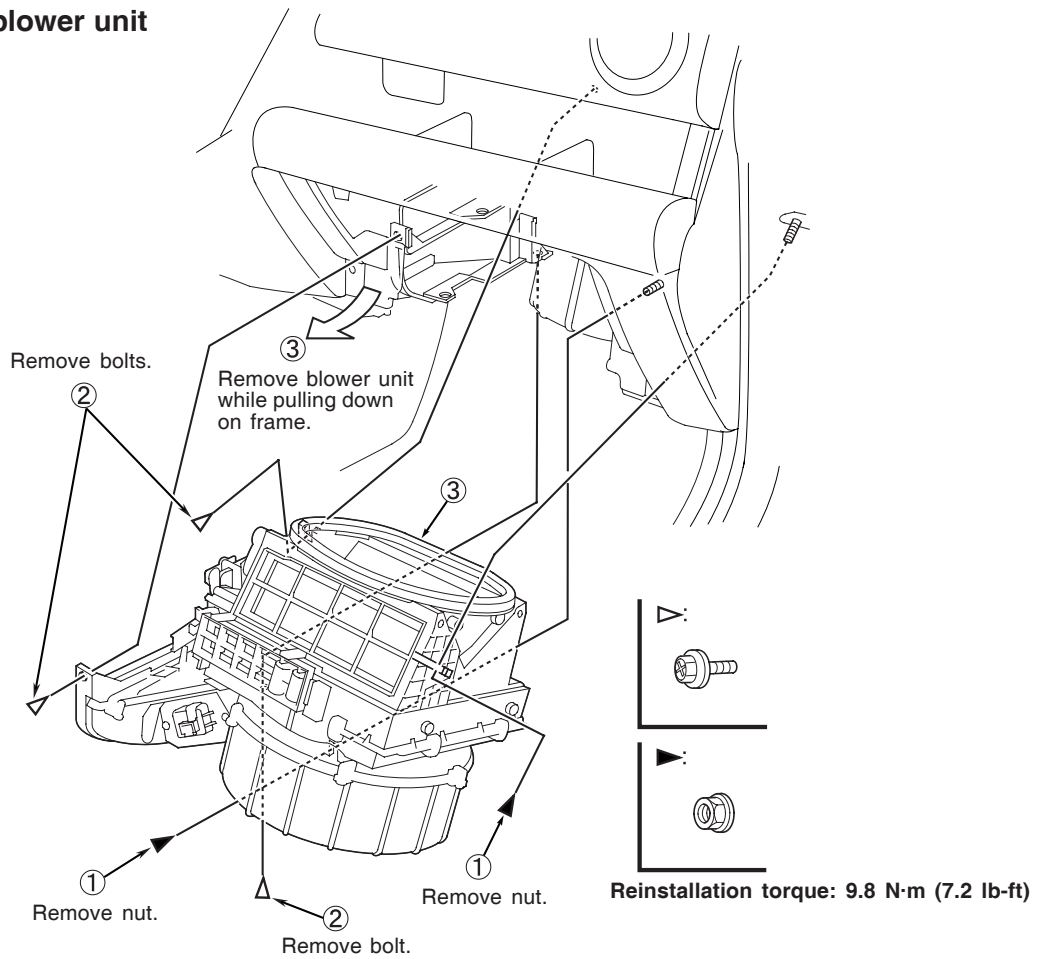
3. Cut out the dashboard frame and remove the glove box frame (three steps).



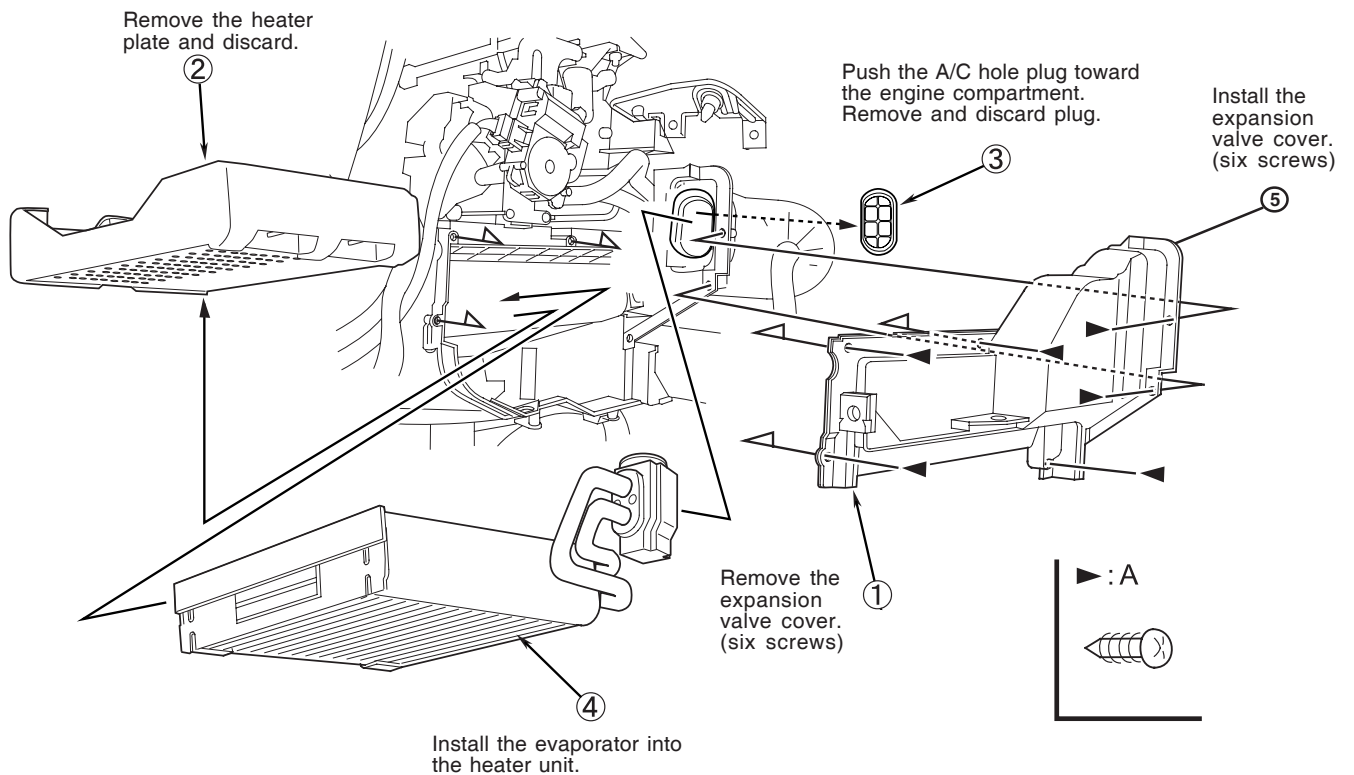
4. Remove the ECM/PCM and disconnect the connectors (four steps).



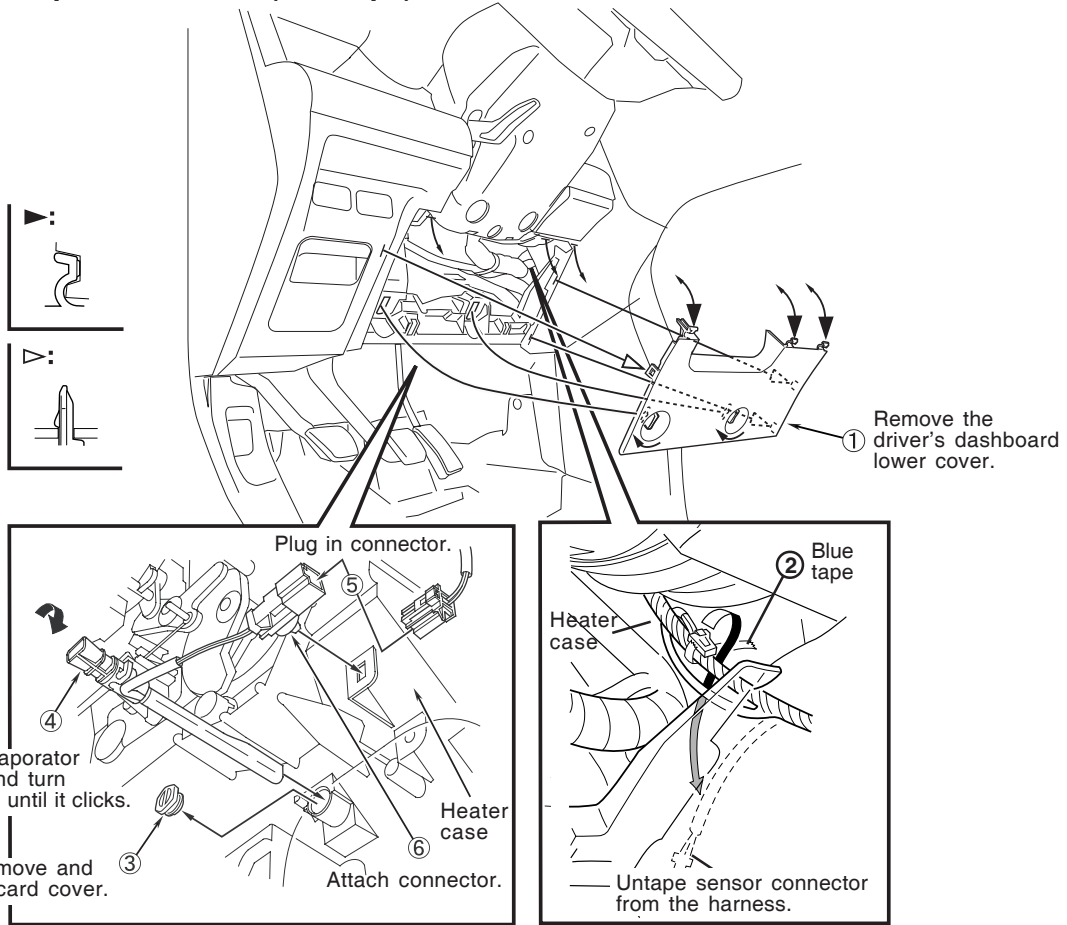
5. Remove the blower unit (three steps).



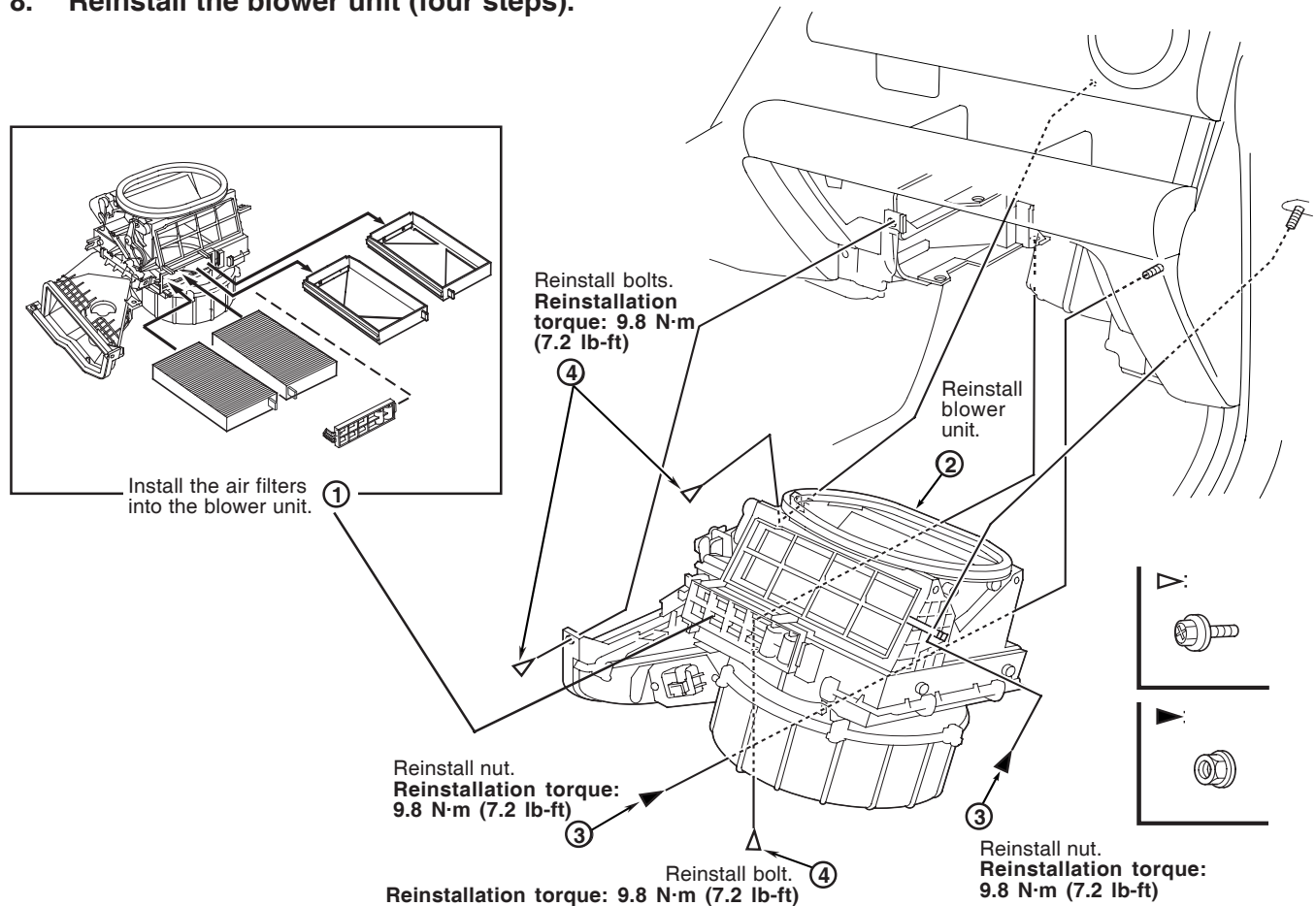
6. Install the evaporator (five steps).



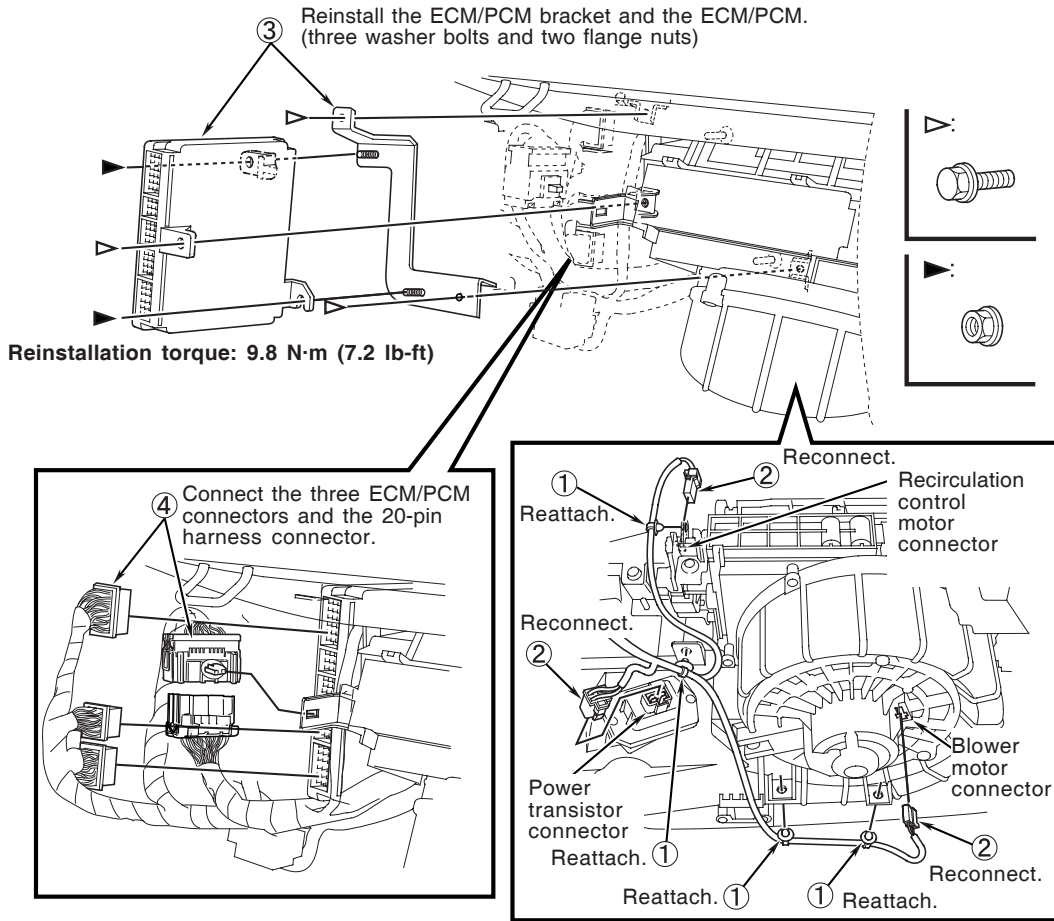
7. Install the evaporator sensor (six steps).



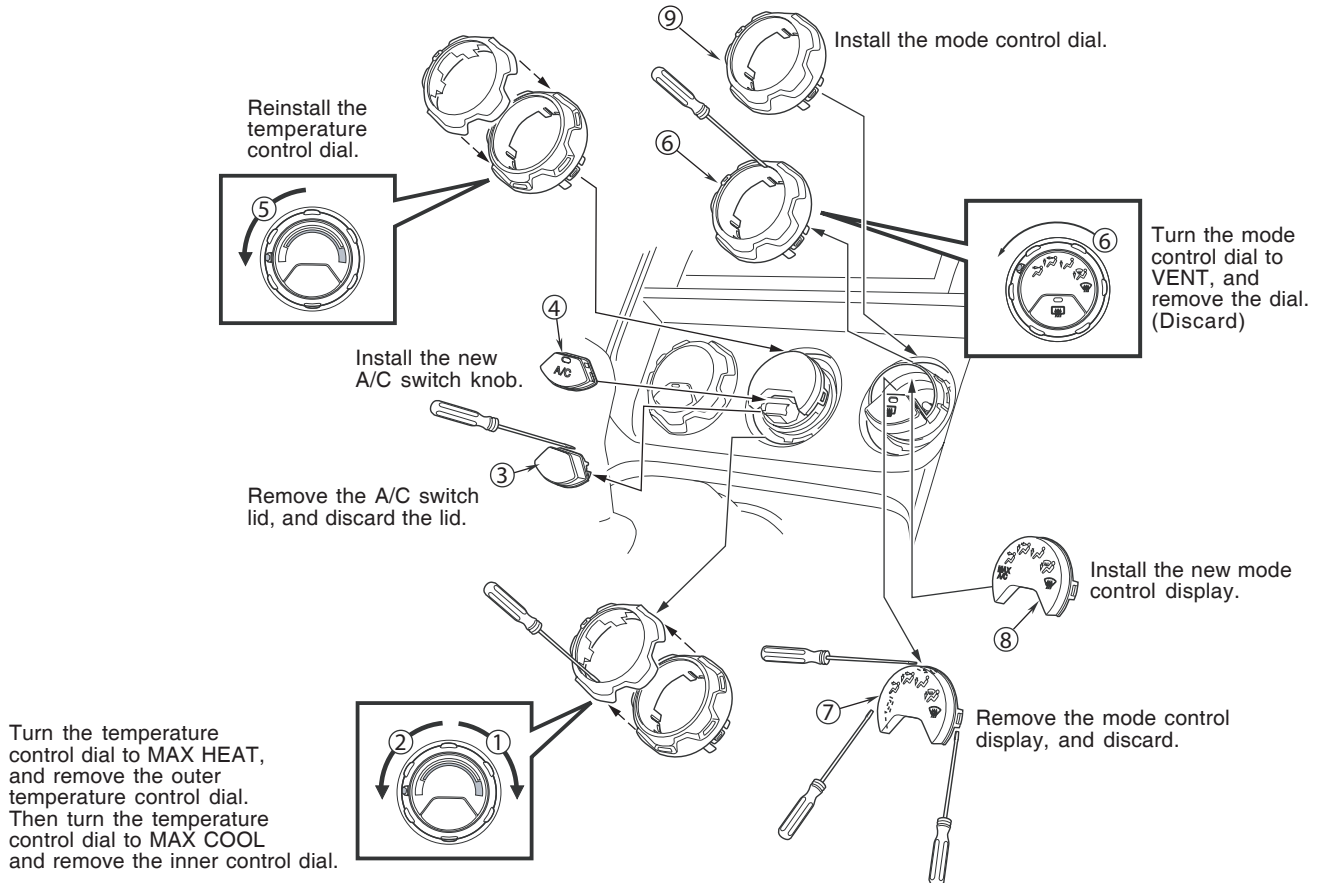
8. Reinstall the blower unit (four steps).



9. Reinstall the ECM/PCM unit and the connectors (four steps).



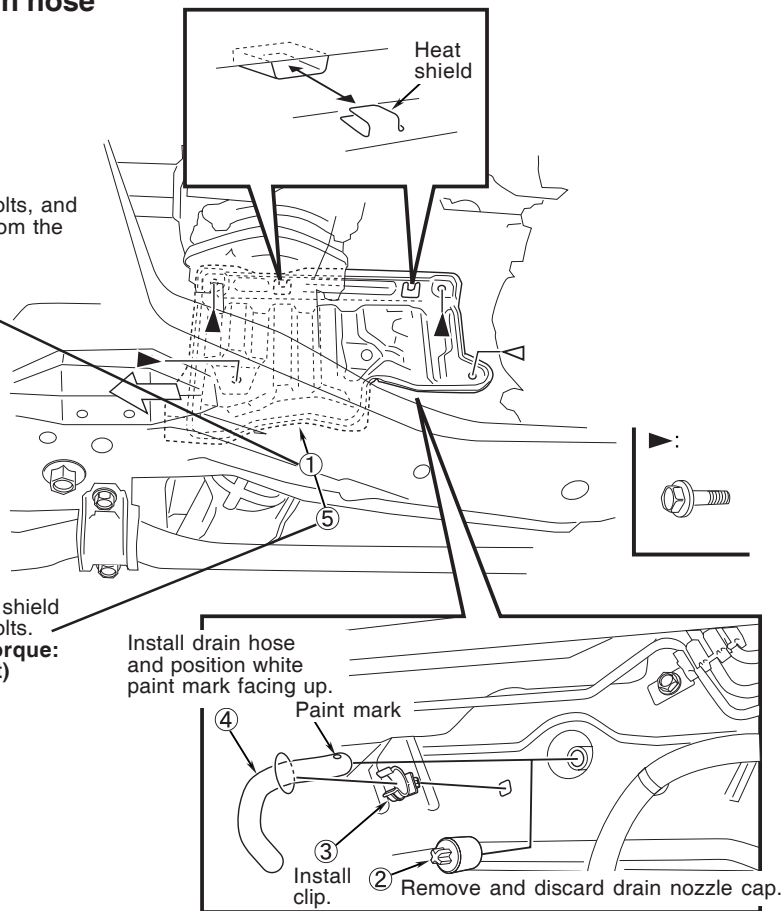
10. Install the A/C switch knob and the A/C mode display (nine steps).



11. Install the drain hose (five steps).

Remove the four flange bolts, and remove the heat shield (from the underside of the vehicle).

Reinstall the heat shield with four flange bolts.
Reinstallation torque:
9.8 N·m (7.2 lb-ft)



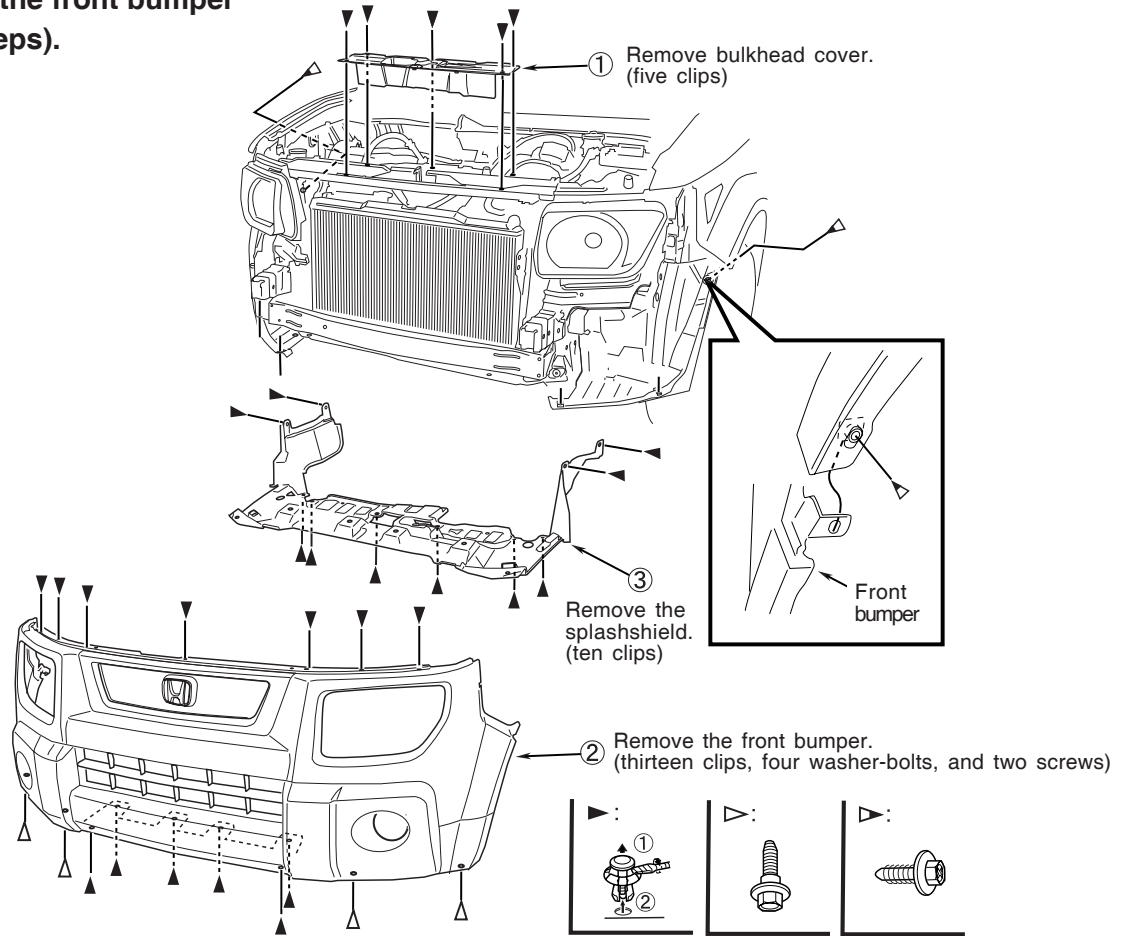
12. Reinstall the removed cabin parts.

Check if completed.

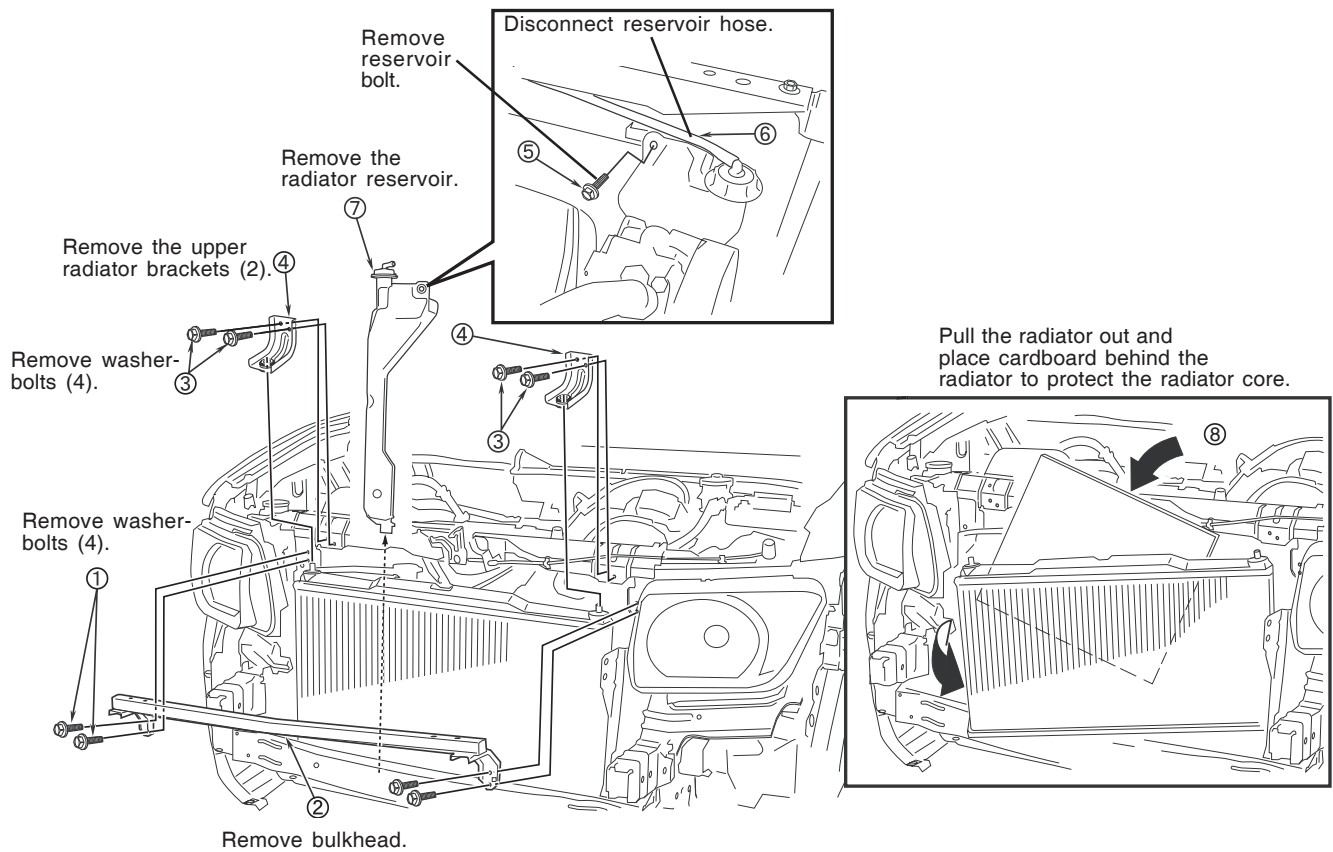
Removed parts

- Passenger's dashboard under cover (page 5, step 2)
- Glove box (page 5, step 2)
- Passenger's kick panel (page 5, step 2)
- Glove box frame (page 6, step 3)
- Relay sockets and harness clip (page 6, step 3)
- Driver's dashboard lower cover (page 8, step 7)

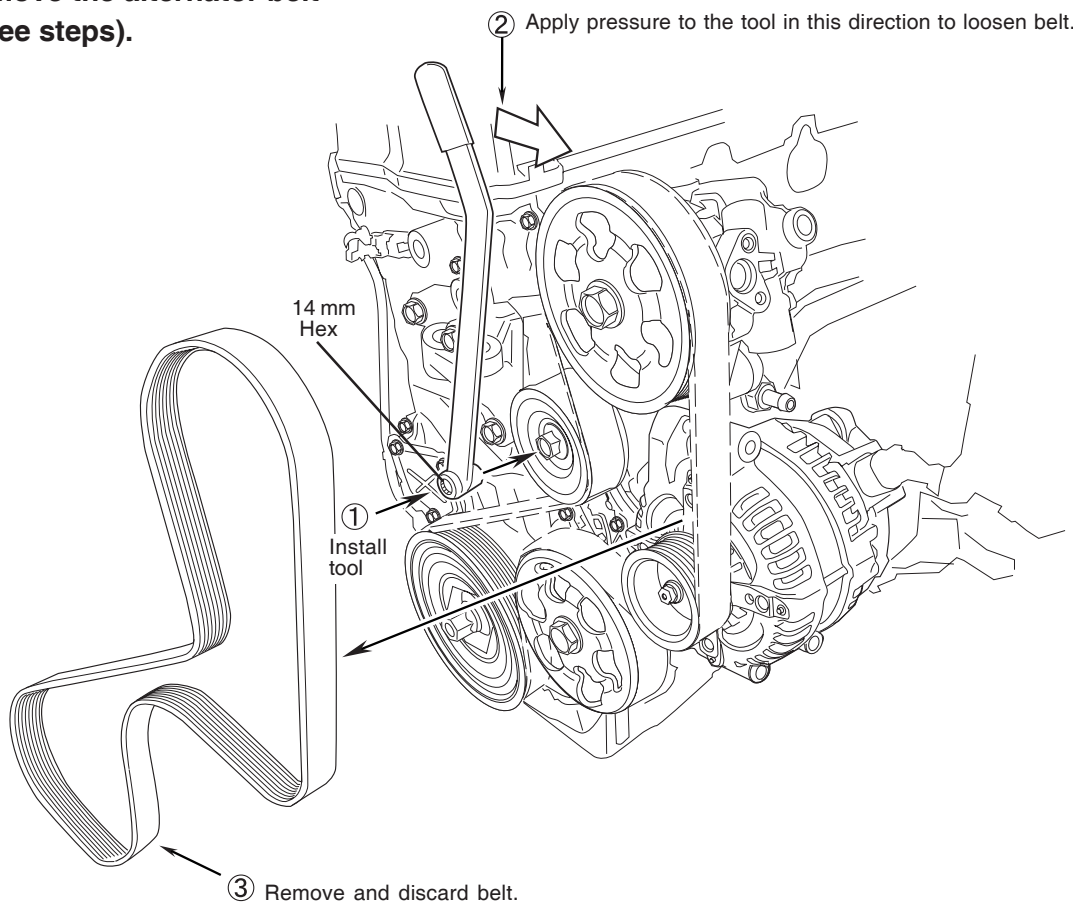
13. Remove the front bumper (three steps).



14. Remove the bulkhead and upper radiator bracket (eight steps).

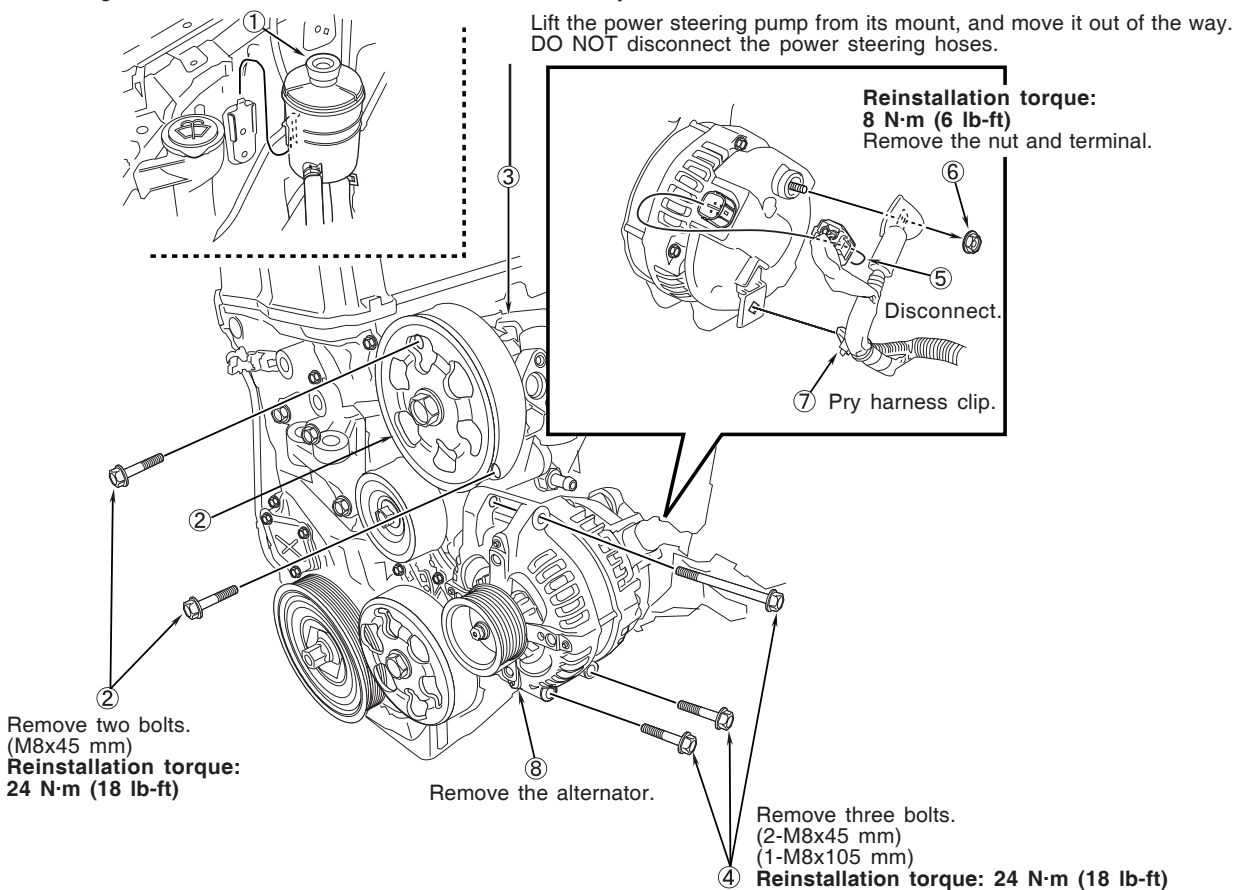


15. Remove the alternator belt (three steps).

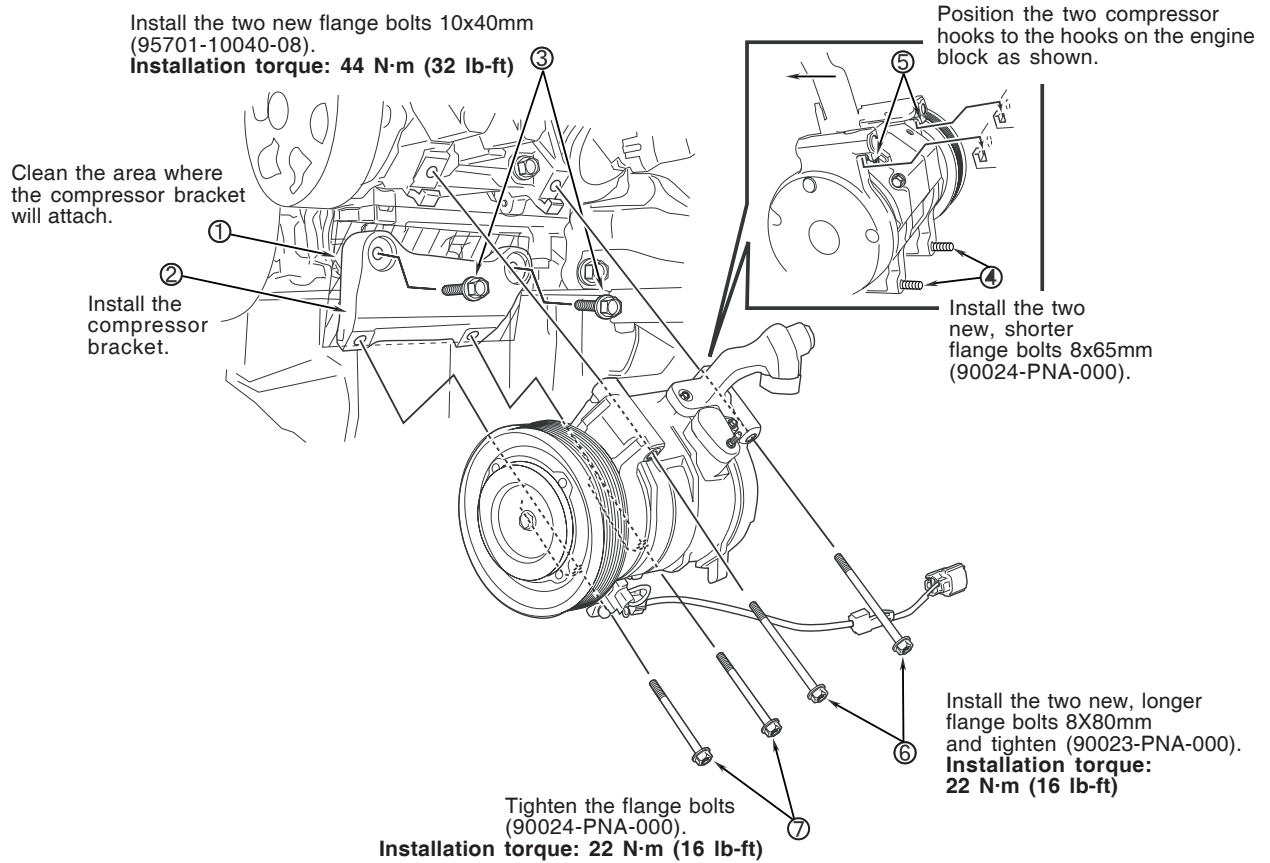


16. Remove the power steering pump and alternator (eight steps).

Lift the power steering reservoir from its mount, and move it out of the way.

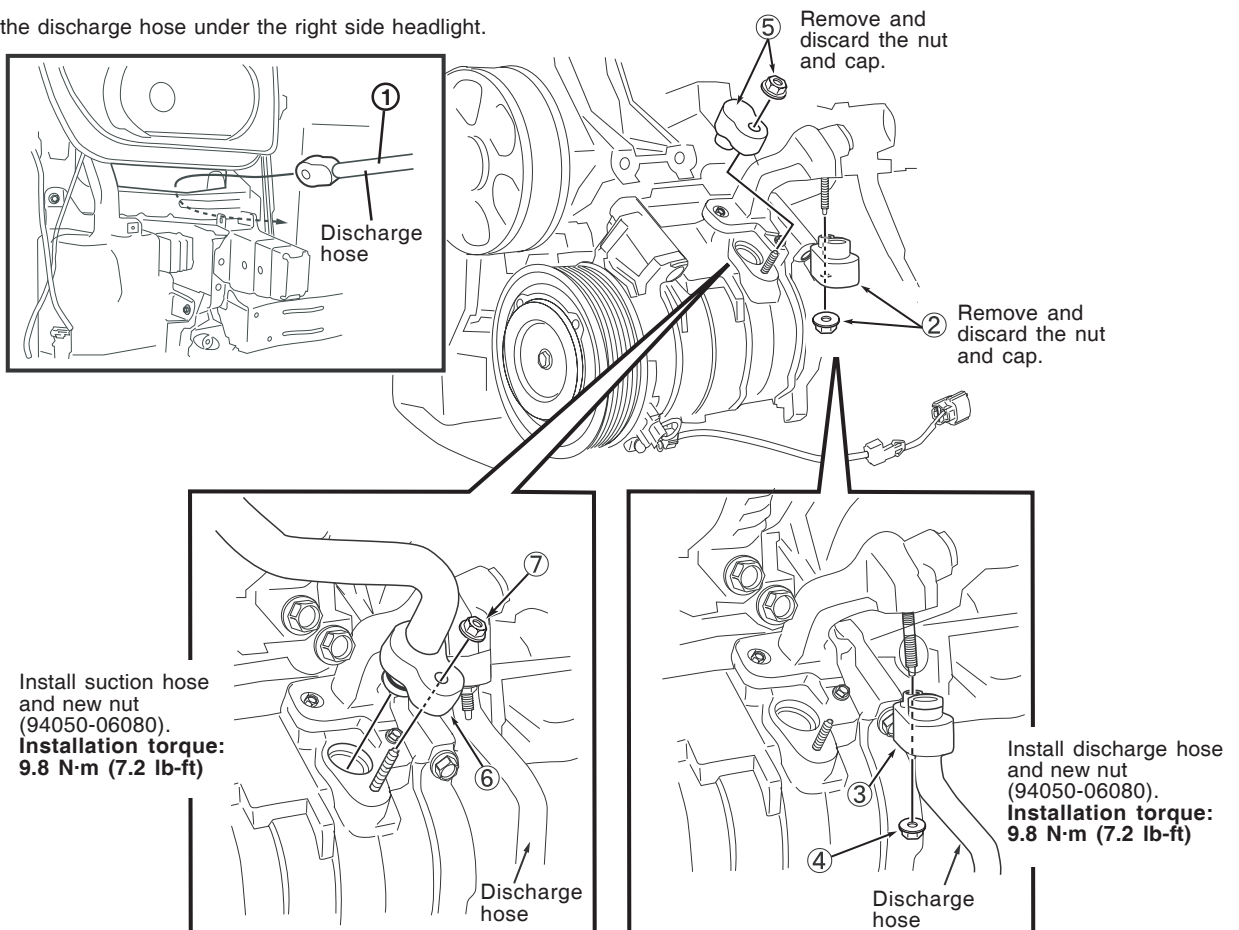


17. Install the compressor bracket and compressor (seven steps).

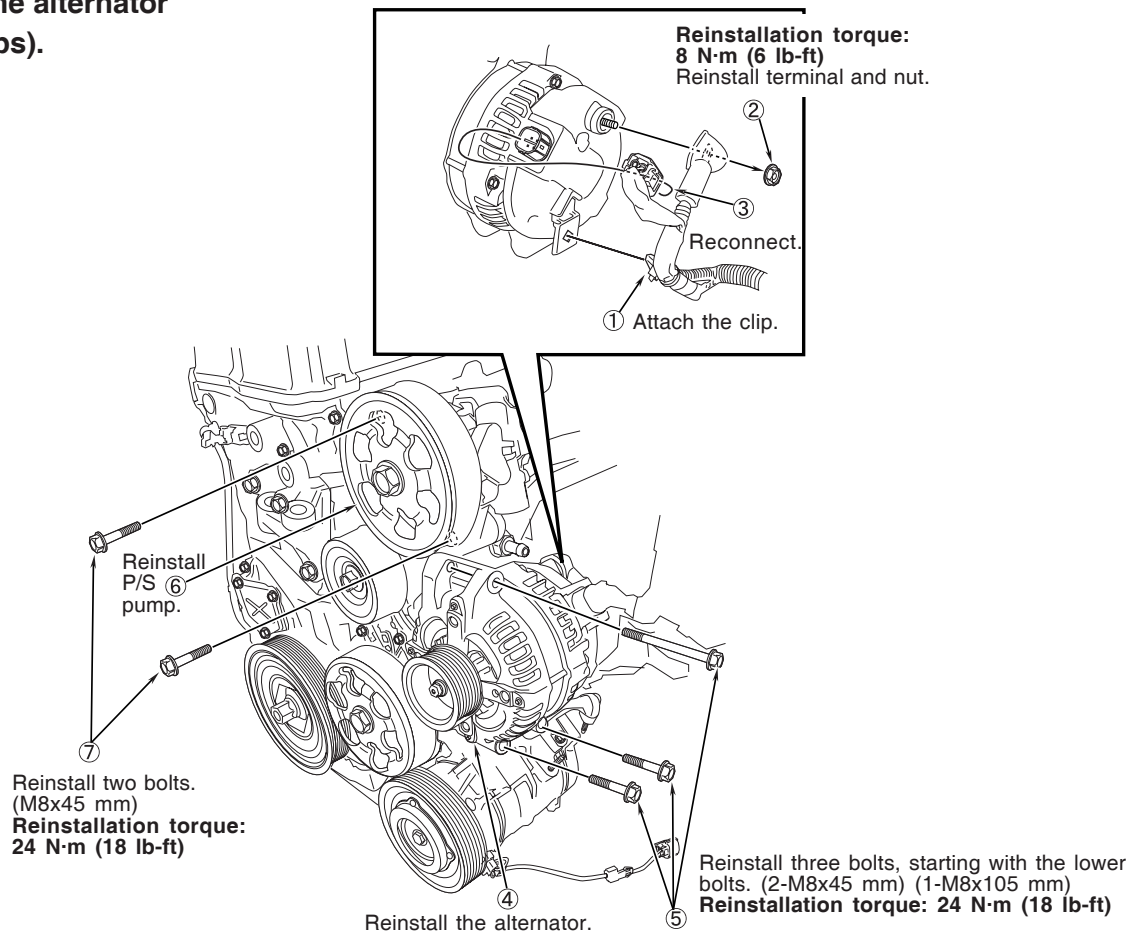


18. Install the suction hose and the discharge hose to the compressor (seven steps).

Route the discharge hose under the right side headlight.

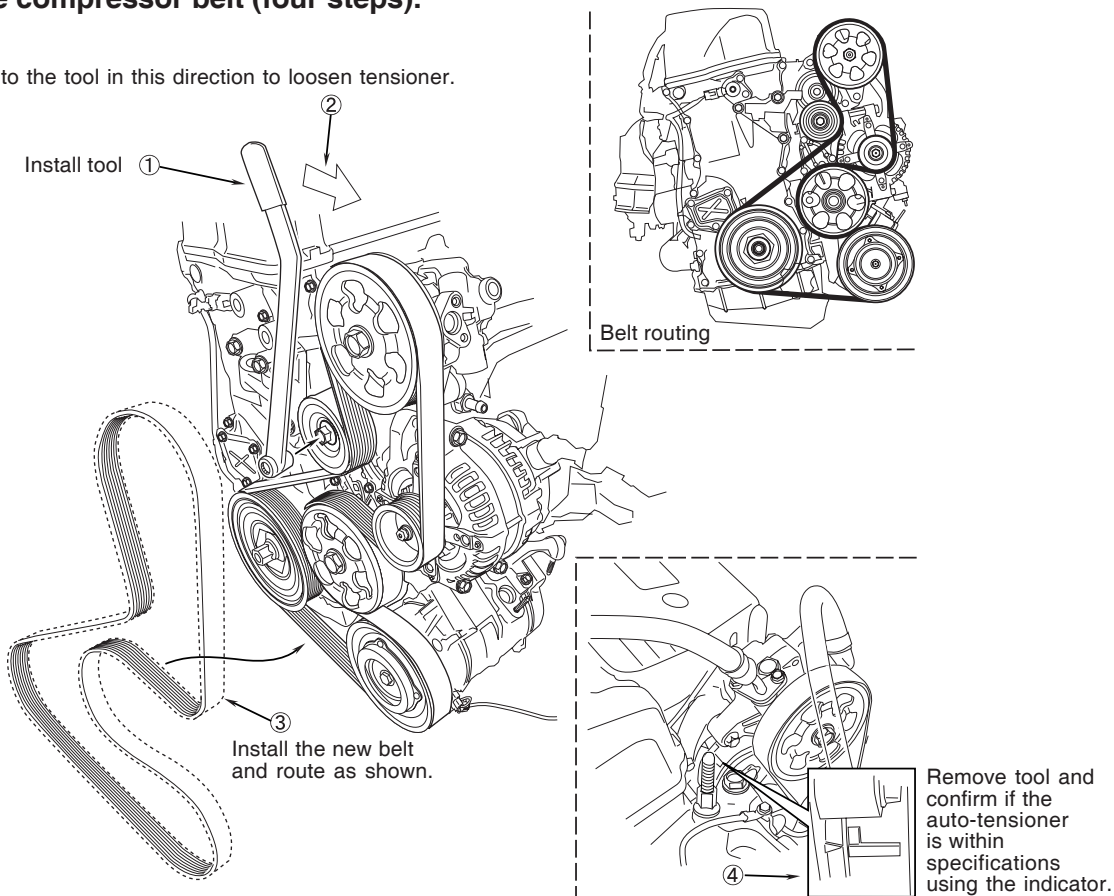


**19. Reinstall the alternator
(seven steps).**

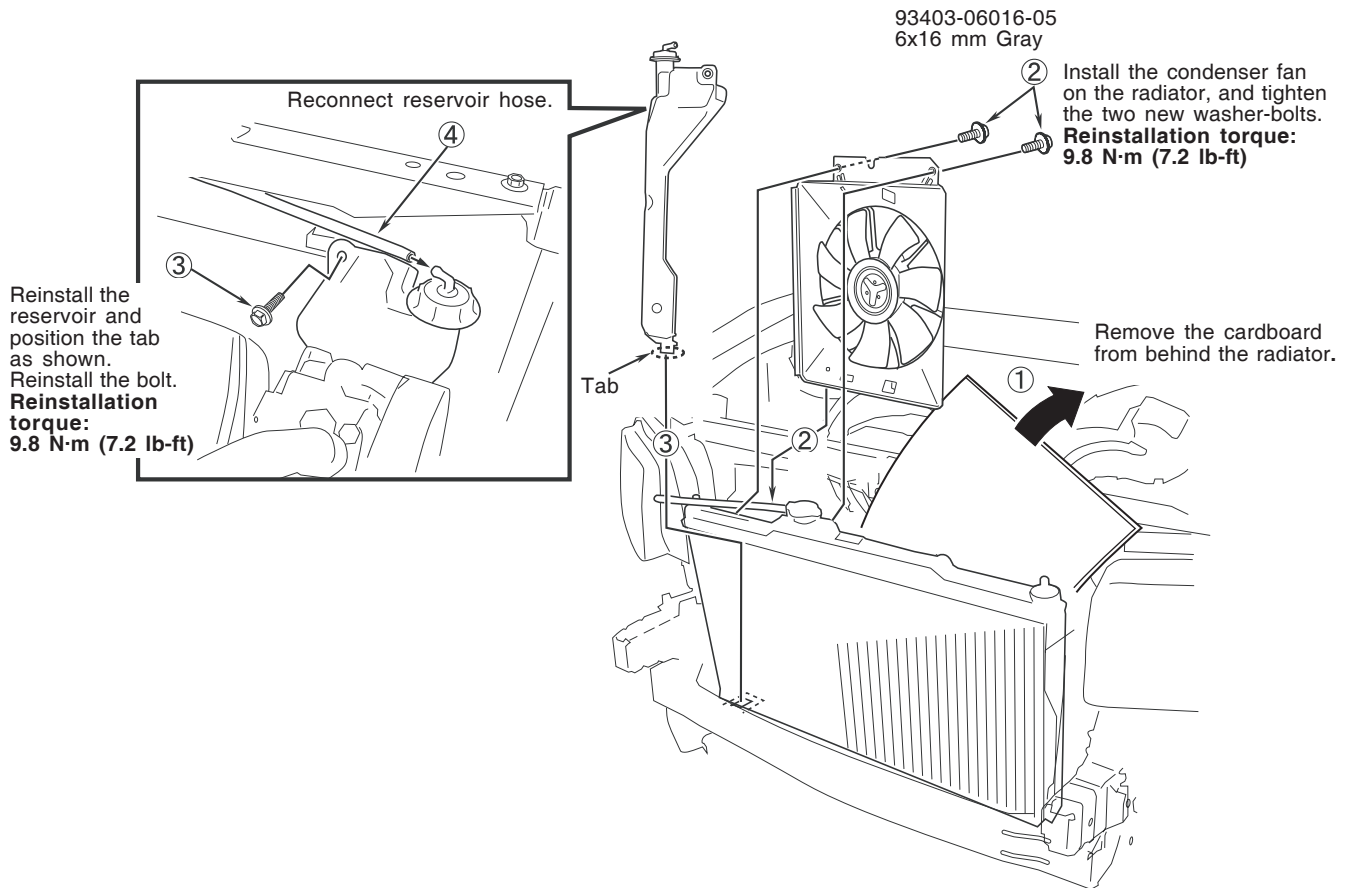


20. Install the compressor belt (four steps).

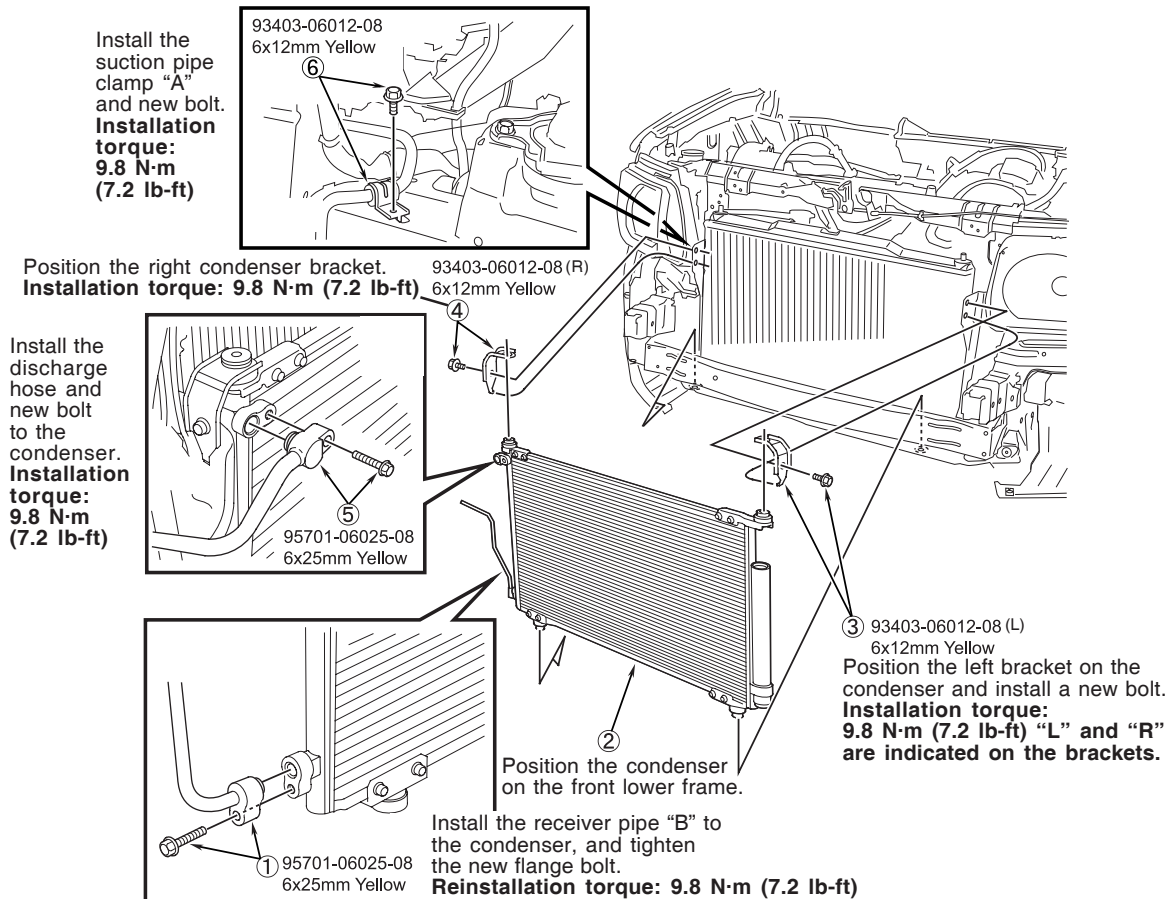
Apply pressure to the tool in this direction to loosen tensioner.



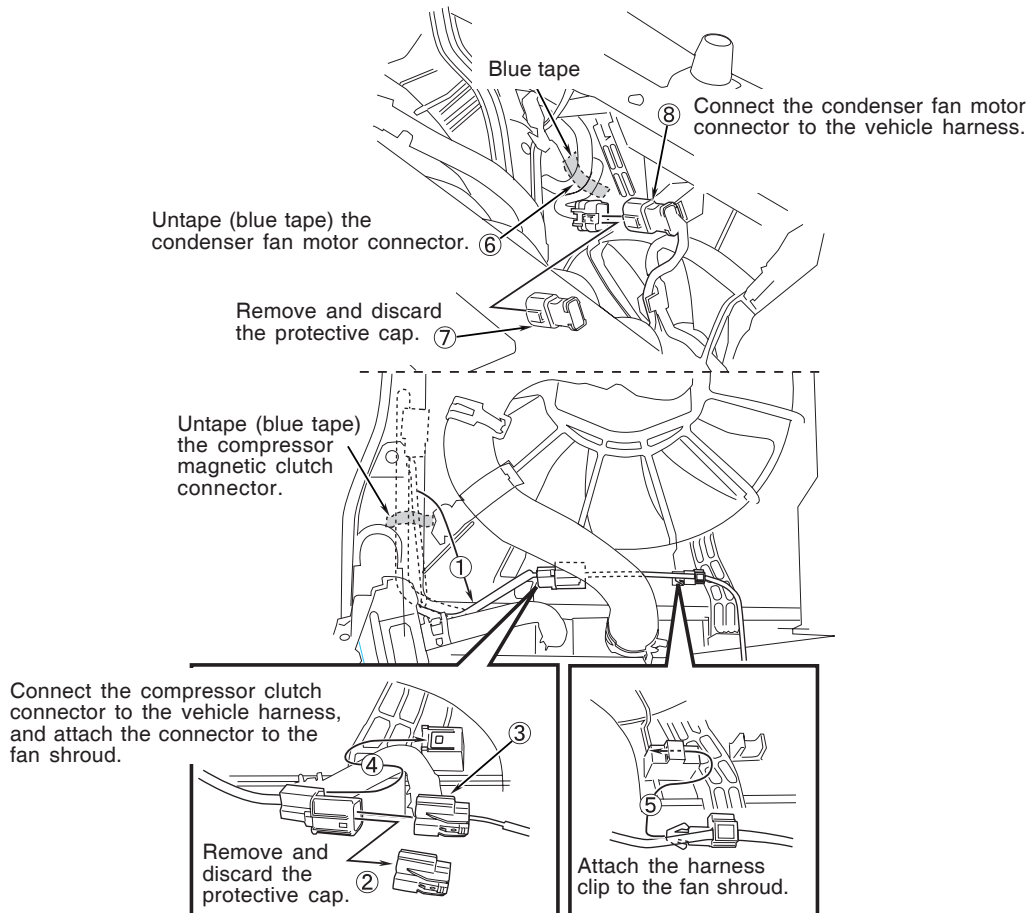
21. Install the condenser fan (four steps).



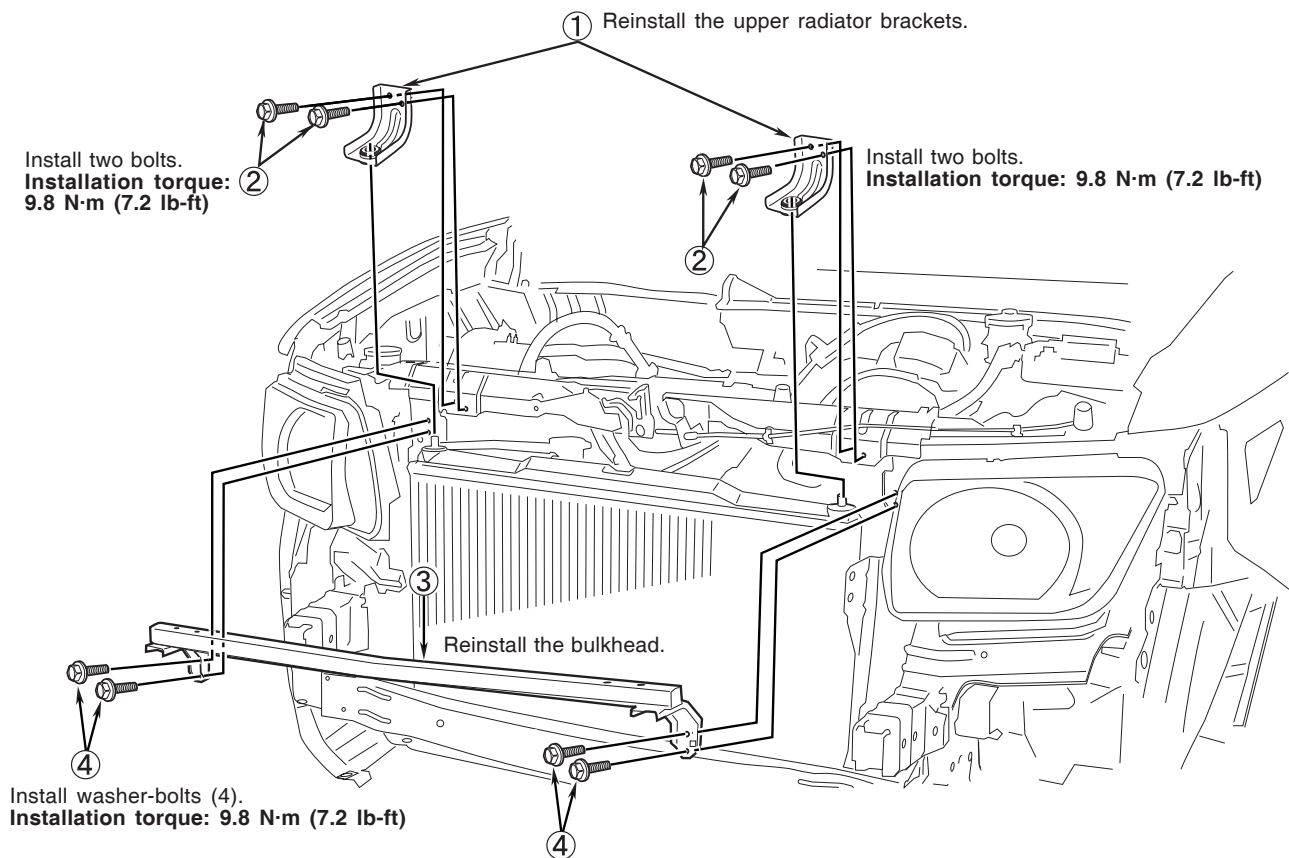
22. Install the condenser (six steps).



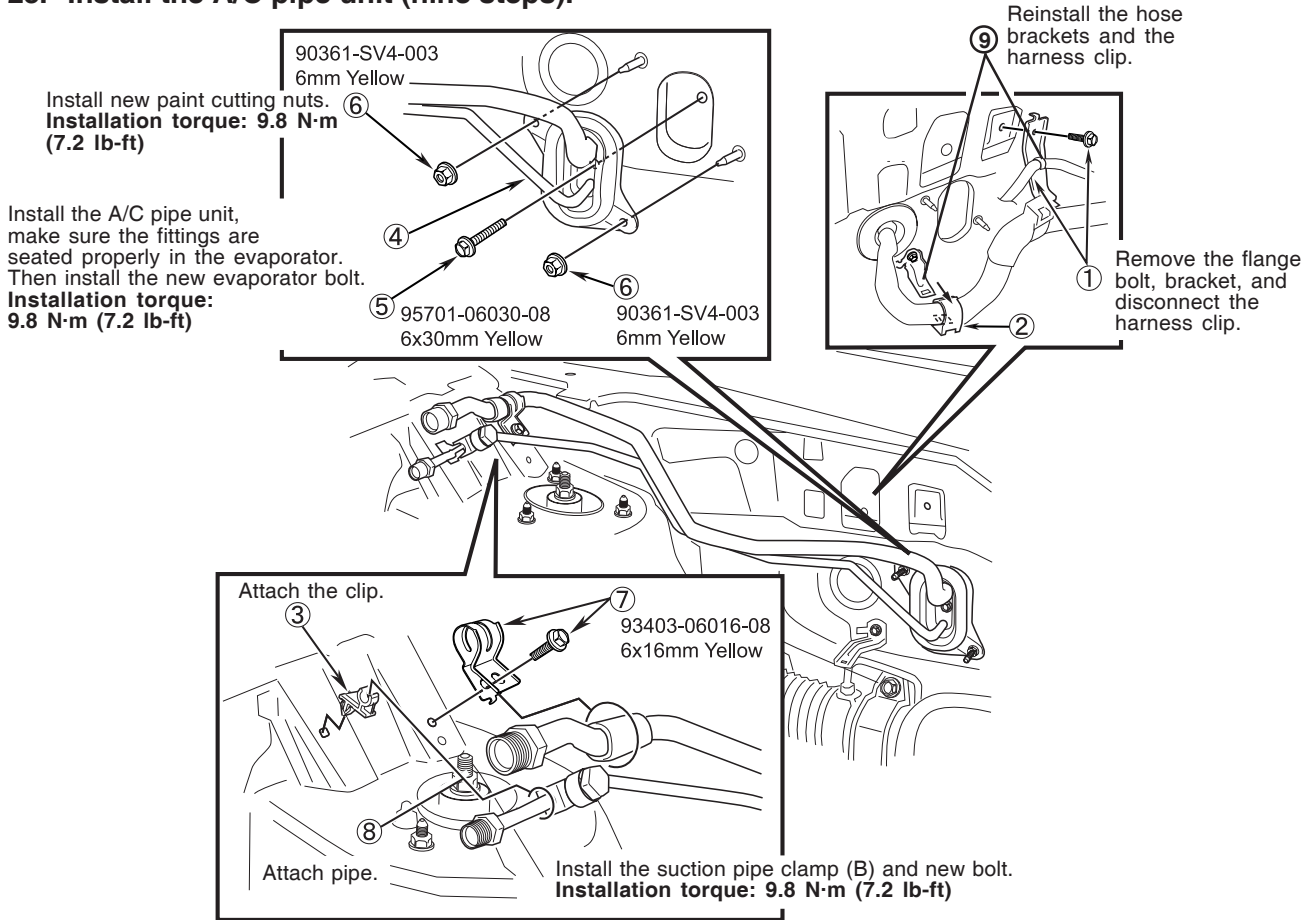
23. Connect the vehicle harness (eight steps).



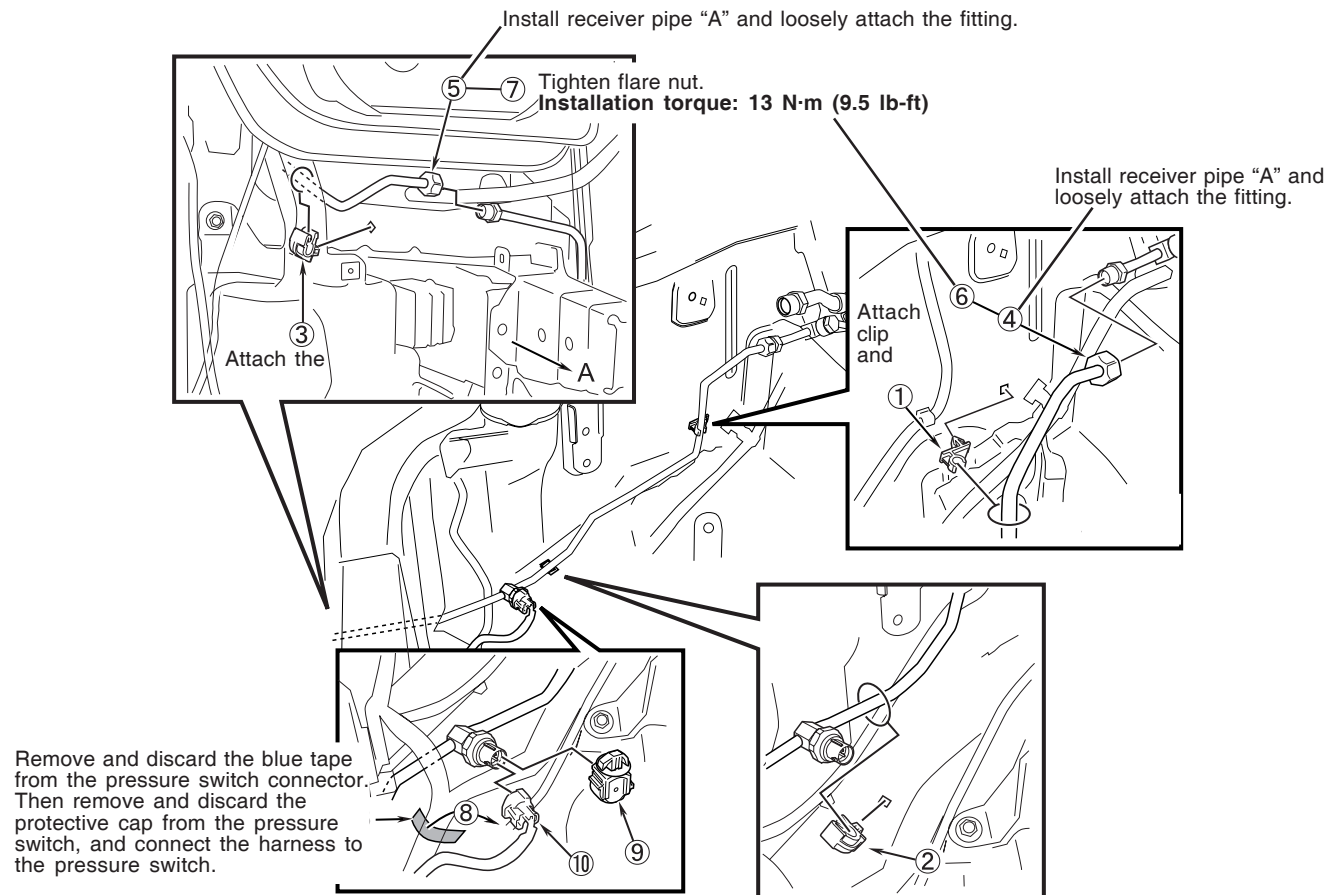
24. Reinstall the bulkhead and upper radiator bracket (four steps).



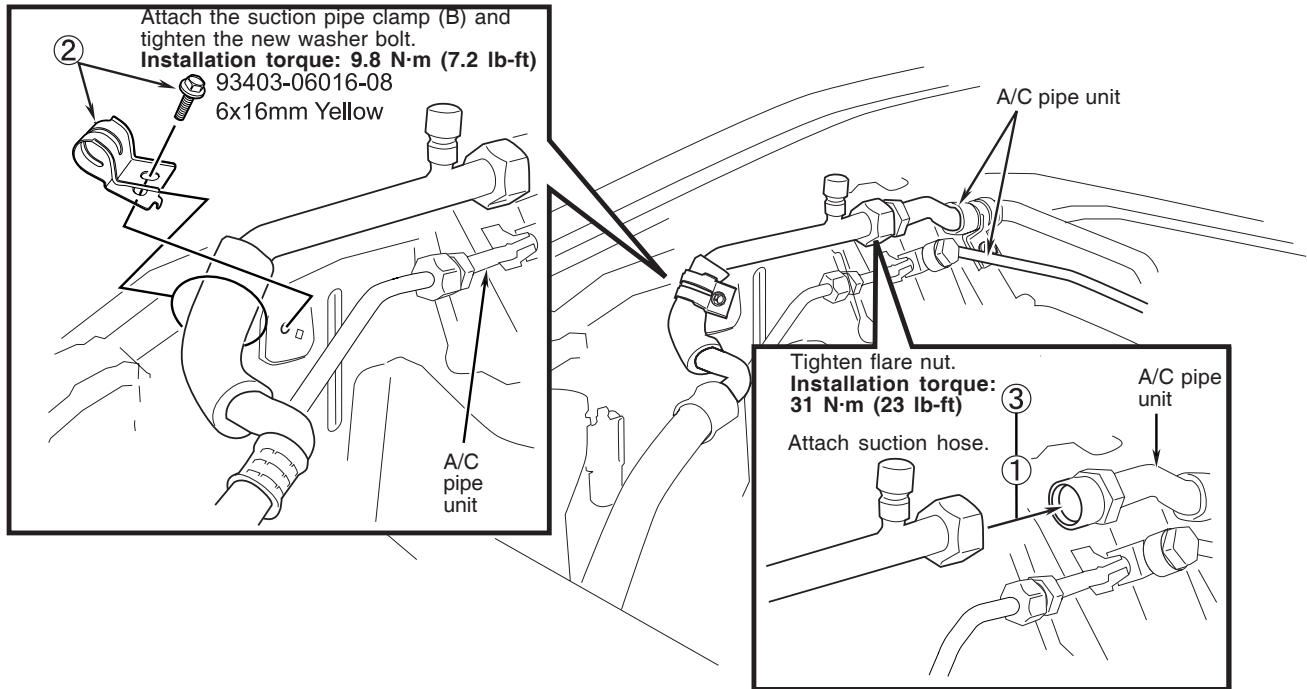
25. Install the A/C pipe unit (nine steps).



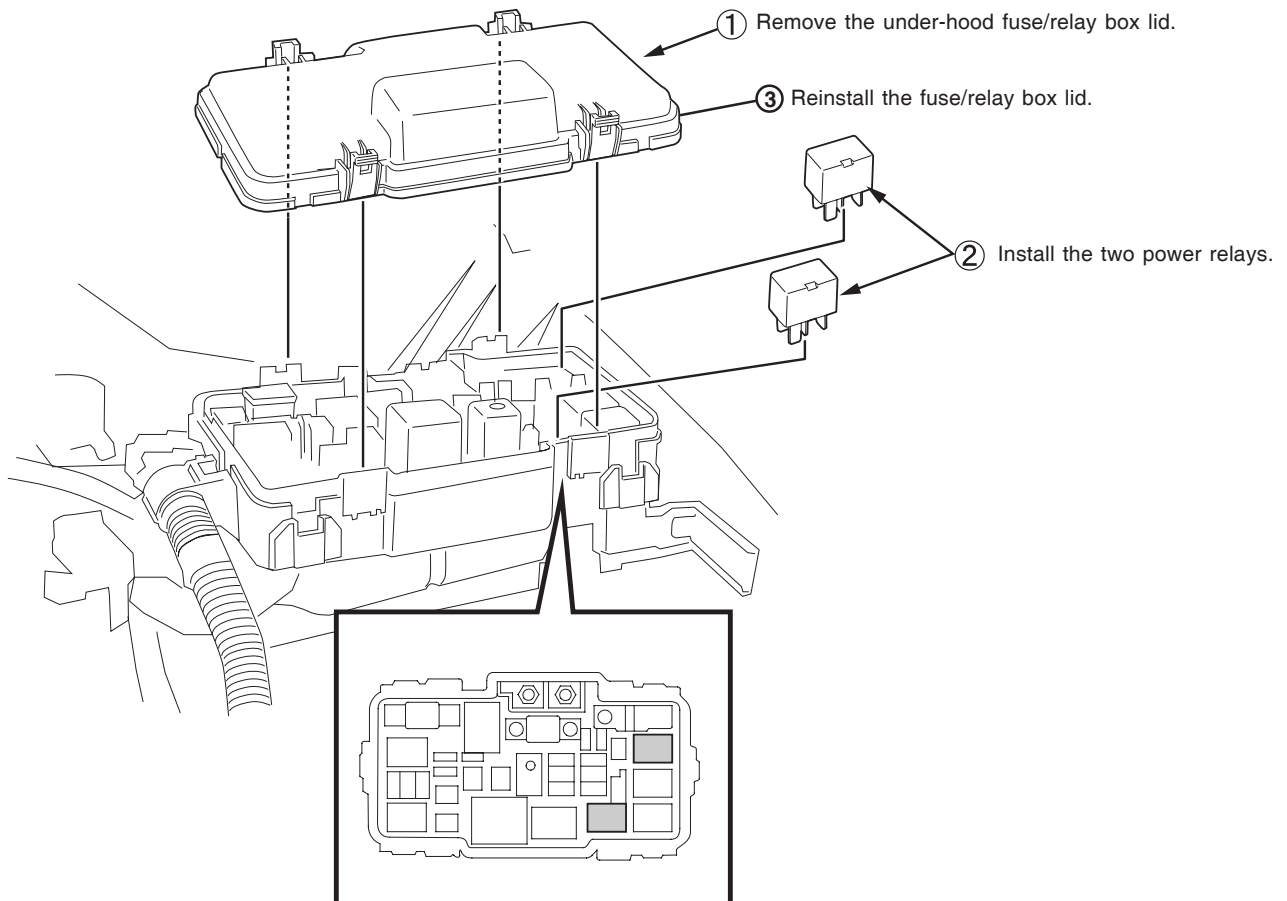
26. Install the receiver pipe A (10 steps).



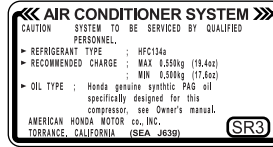
27. Tighten the suction hose (three steps).



28. Install the power relay (three steps).



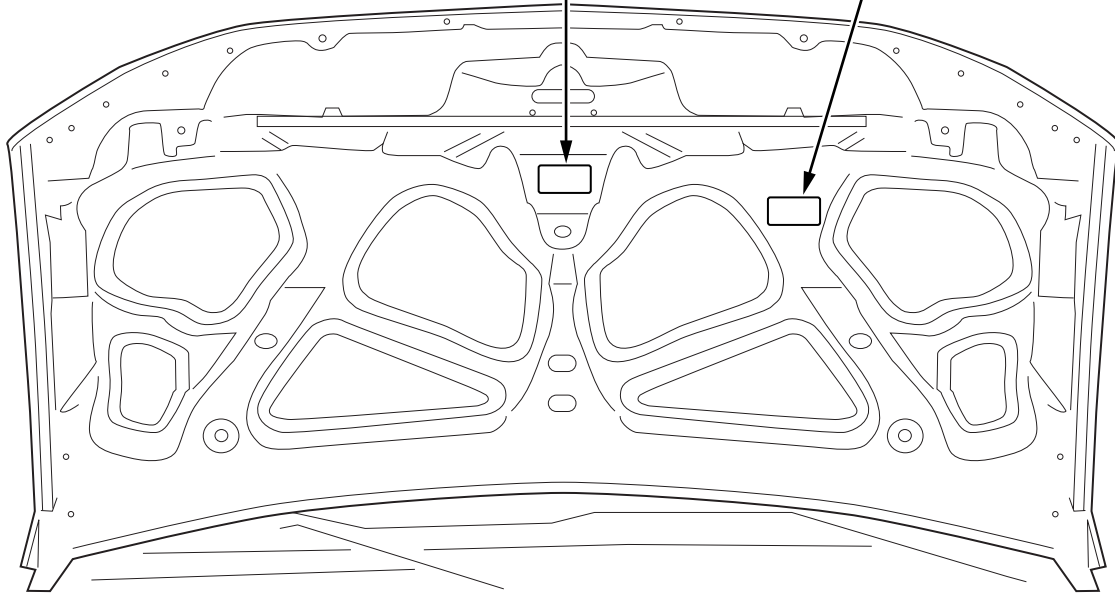
29. Attach the A/C label (two steps).



This vehicle is equipped with A/C Assembly P/N
Please refer to this P/N when servicing/ordering A/C parts.
American Honda Motor Co., Inc.
Torrance, CA 90501-2746

1 Clean the area with alcohol and a shop towel. Then attach the A/C information label on the center of the hood.

2 Clean the area with alcohol and a shop towel. Then attach the A/C kit label on the left side of the hood.



30. Reinstall the removed engine room parts.

Check if completed.

Removed parts

- Bulkhead cover (page 11, step 13)
- Front bumper (page 11, step 13)
- Splash shield (page 11, step 13)
- Power steering reservoir (page 12, step 16)
- Negative battery cable (page 5, step 1)
- Reset the customer's radio stations (page 5, step 1)