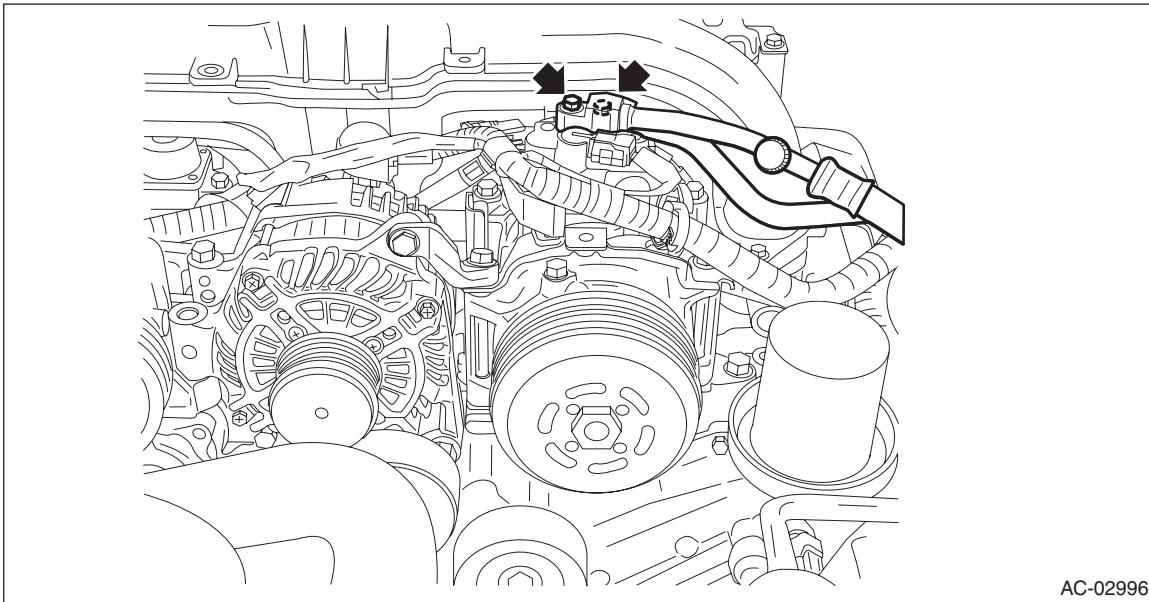


16.Compressor

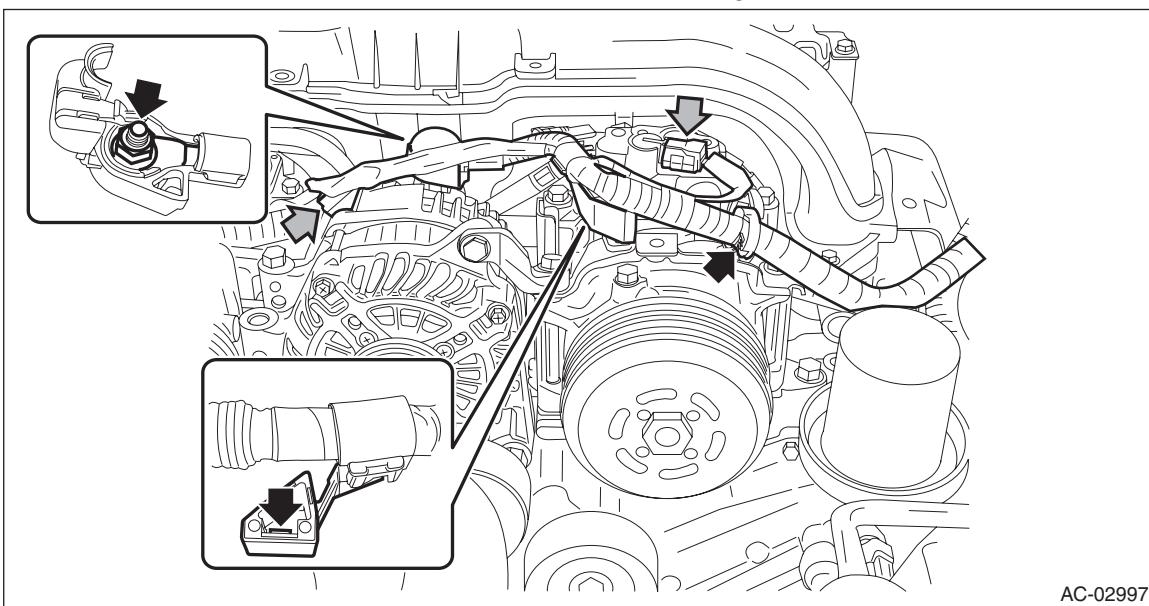
A: REMOVAL

1. H4 MODEL

- 1) Perform compressor oil return operation. <Ref. to AC-33, PROCEDURE, Compressor Oil.>
- 2) Turn the A/C switch to OFF and stop the engine.
- 3) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts. <Ref. to ME(H4DO)-80, REMOVAL, V-belt.>
- 6) Remove the bolts and remove the V-belt cover bracket. <Ref. to SC(H4DO)-29, REMOVAL, Generator.>
- 7) Remove the bolt and remove the low-pressure hose and high-pressure hose.



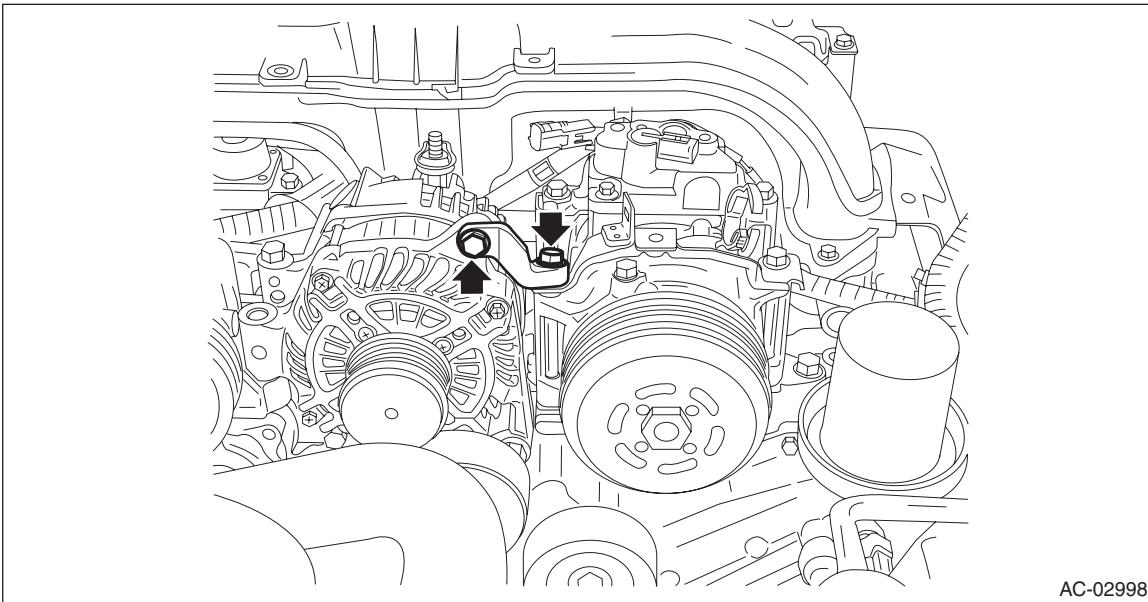
- 8) Move the alternator harness to the right.
 - (1) Remove the nut, washer and each connector.
 - (2) Release the lock and move the alternator harness to the right.



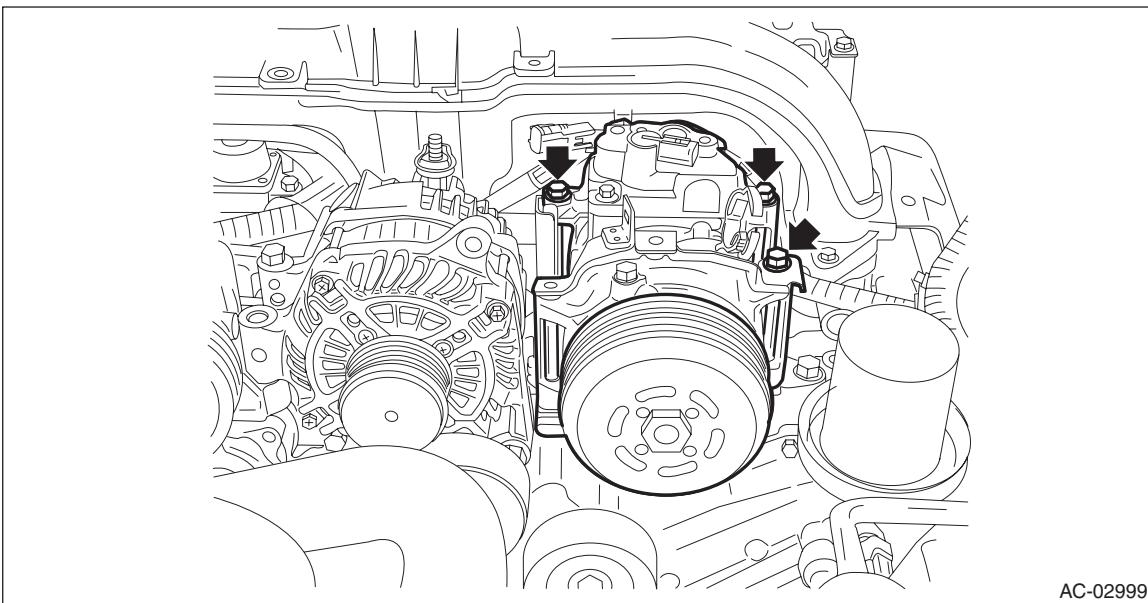
Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

9) Remove the bolts, and then remove the generator bracket.

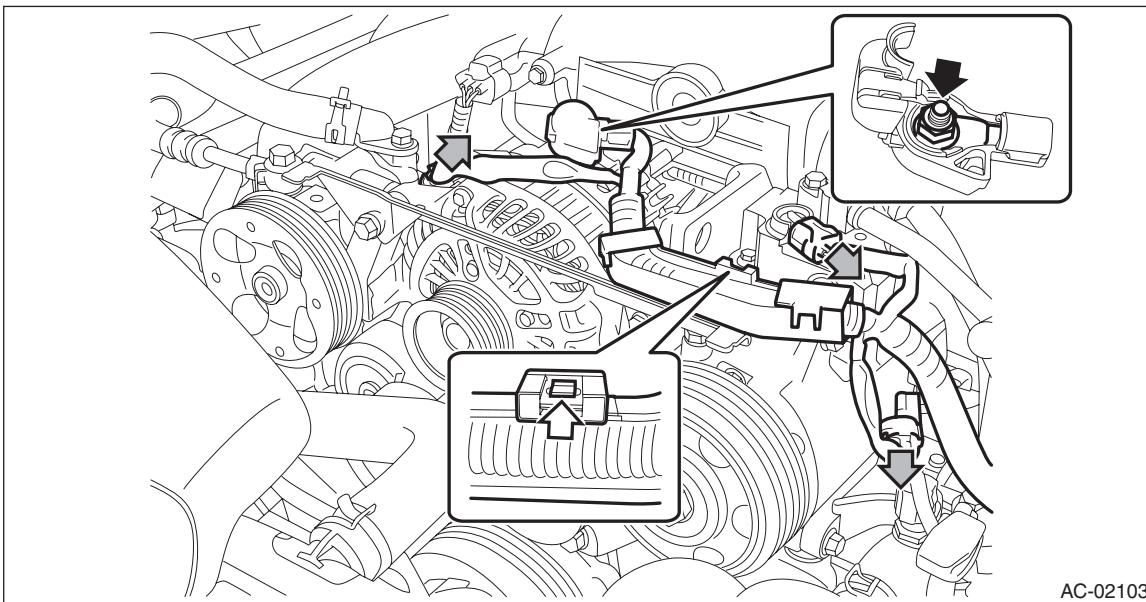


10) Remove the bolts and remove the compressor.

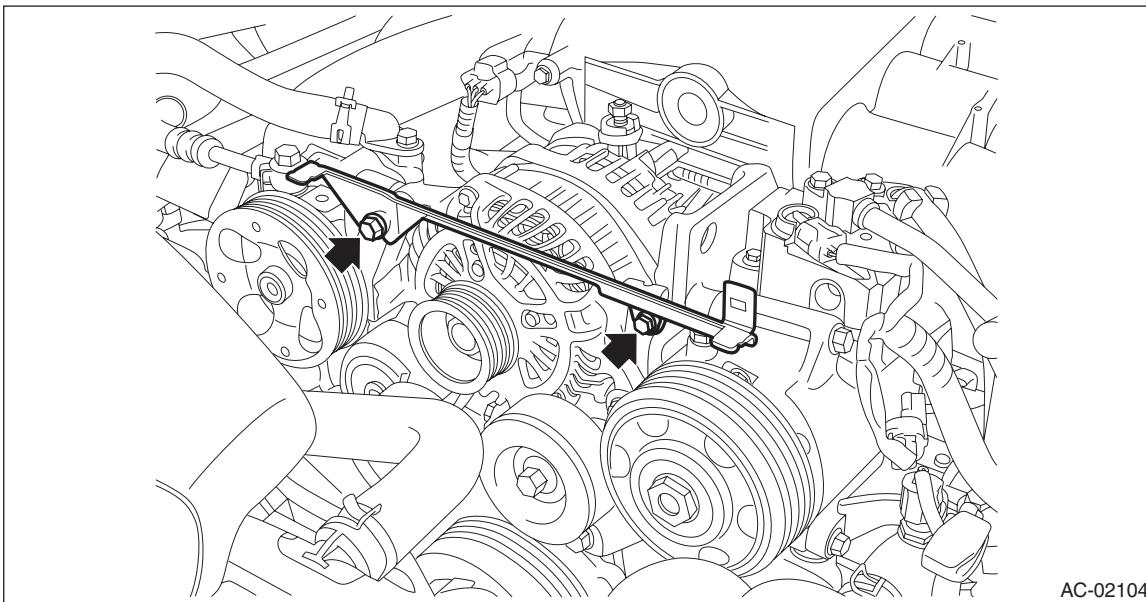


2. H6 MODEL

- 1) Perform compressor oil return operation. <Ref. to AC-33, PROCEDURE, Compressor Oil.>
- 2) Turn the A/C switch to OFF and stop the engine.
- 3) Using the refrigerant recovery system, discharge refrigerant. <Ref. to AC-26, PROCEDURE, Refrigerant Recovery Procedure.>
- 4) Disconnect the ground cable from battery.
- 5) Remove the V-belts. <Ref. to ME(H6DO)-51, REMOVAL, V-belt.>
- 6) Move the alternator harness to the right.
 - (1) Remove the nuts and connector.
 - (2) Release the lock and move the alternator harness to the right.



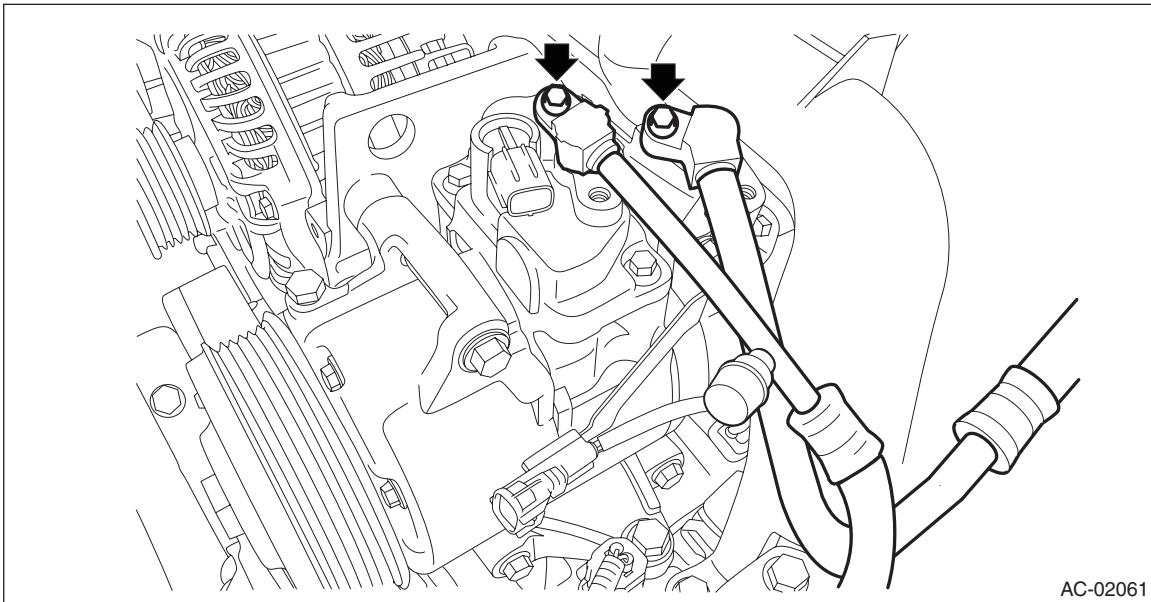
- 7) Remove the bolts and then remove the collector cover bracket.



Compressor

HVAC SYSTEM (HEATER, VENTILATOR AND A/C)

8) Remove the bolt and remove the low-pressure hose and high-pressure hose.

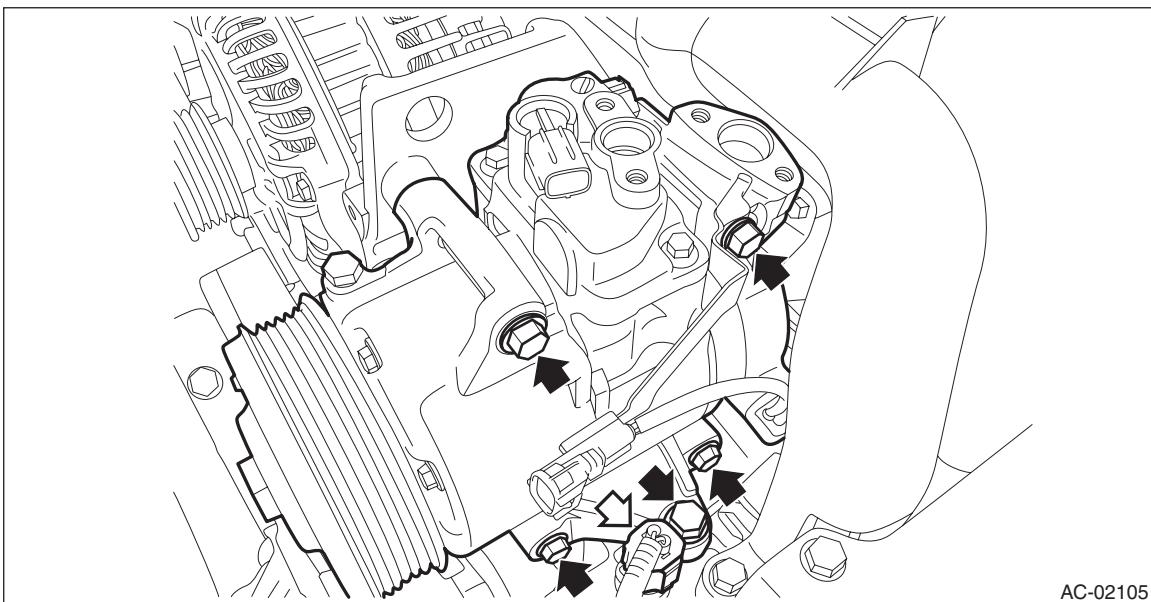


9) Remove the compressor.

- (1) Disconnect the water temperature sensor connector.
- (2) Remove the bolts and remove the compressor.

NOTE:

- Since the compressor cannot be removed by itself, remove it with the loosened bolts inserted in the bracket.
- Be careful not to damage the pulley and sensor.



B: INSTALLATION

CAUTION:

- Replace the O-rings on low/high pressure hoses with new parts, and apply compressor oil.
- If the compressor is replaced, adjust the amount of the compressor oil. <Ref. to AC-33, ADJUSTMENT, Compressor Oil.>
- After installing the compressor, do not start the engine until the A/C system is charged with refrigerant.
- If the engine is started with no refrigerant charge, replace the compressor.

1) Install each part in the reverse order of removal.

NOTE:

Tighten the compressor for H4 model in the numerical order as shown in the figure. <Ref. to AC-12, COMPRESSOR, COMPONENT, General Description.>

2) Charge refrigerant. <Ref. to AC-27, PROCEDURE, Refrigerant Charging Procedure.>

3) After installing the compressor, perform a break-in operation according to the following steps.

NOTE:

Do not increase the engine speed to and above 4,000 rpm unless the break-in operation finishes.

- (1) Check that all connectors are locked securely.
- (2) Reset the control module. (Disconnect and then connect the connector)
- (3) Attach a delivery (test) mode fuse to the main fuse box.
- (4) Set the airflow adjustment dial to MAX (4th position). (manual A/C model)
- (5) Connect the Subaru Select Monitor, select {Variable compressor break-in drive} mode and display the current data {Variable compressor break-in drive finish status} by following the procedure.
- (6) Start and idle the engine at or below 1,800 rpm. (The compressor operation is automatically changed to the break-in operation mode.)
- (7) When {Variable compressor break-in drive finish status} changes from "incomplete" to "Finished", stop the engine.

CAUTION:

If the engine may have been started with no refrigerant charge, check for any diagnosis code (DTC) using Subaru Select Monitor. If the code B1644 (Refrigerant not sealed drive error) is output, replace the compressor.

(8) Remove the delivery (test) mode fuse from the main fuse box.

(9) The break-in operation finishes.

Tightening torque:

Air conditioning unit:<Ref. to AC-9, AIR CONDITIONING UNIT, COMPONENT, General Description.>

Compressor:<Ref. to AC-12, COMPRESSOR, COMPONENT, General Description.>

Generator & generator bracket (H4 model):<Ref. to SC(H4DO)-5, GENERATOR BRACKET, COMPONENT, General Description.>

Generator bracket (H6 model):<Ref. to SC(H6DO)-5, GENERATOR BRACKET, COMPONENT, General Description.>