

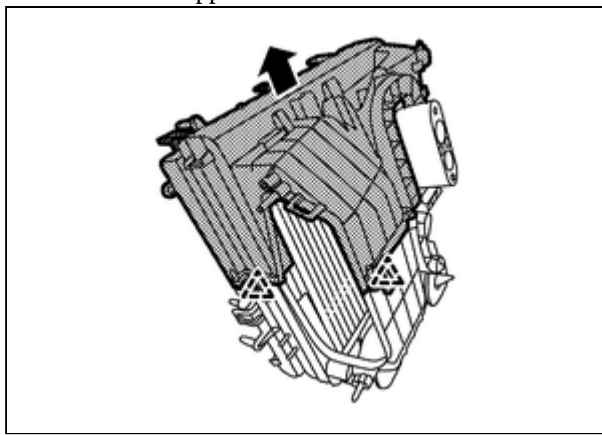
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2023 NISSAN Z Service and Repair Manual

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13 Disengage fixing pawls, and then remove front case upper.



RPR-001931248-08-000376608

	: Pawl
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14 Pull out evaporator from front case lower and remove it.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- The air conditioning evaporator should never be repaired or replaced with a part from another vehicle. To replace a damaged or leaking evaporator, use only a new genuine NISSAN replacement part or equivalent.
- Perform lubricant adjusting procedure before installing new evaporator. Refer to [Lubricant Adjusting Procedure for Components Replacement Except Compressor](#).



NOTE:

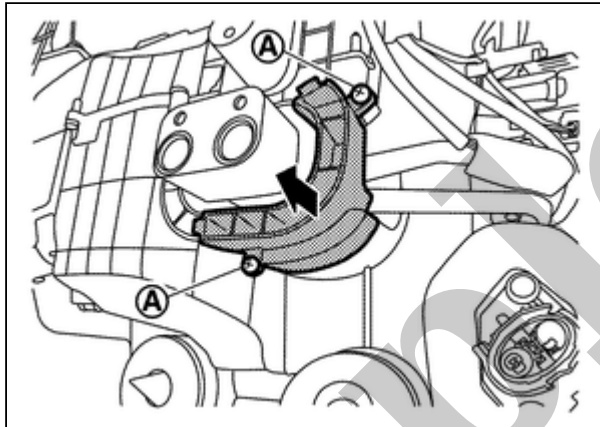
This label indicates that the evaporator complies with SAE J2842.



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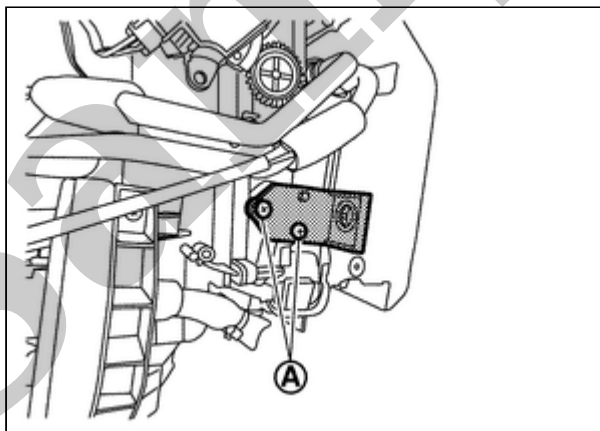
REMOVAL

- 1 Remove A/C unit assembly. Refer to [Removal & Installation](#).
- 2 Disconnect compressor discharge refrigerant temperature sensor harness connector and inner condenser discharge refrigerant temperature sensor harness connector.
- 3 Remove harness connectors of compressor discharge refrigerant temperature sensor and inner condenser discharge refrigerant temperature sensor from front case upper.
- 4 Remove pipe seal.
- 5 Remove fixing screws (A), and then remove pipe cover.



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- 6 Remove fixing screws (A), and then remove bracket.



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- 7 Pull out inner condenser from rear case and remove it.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- The air conditioning inner condenser should never be repaired or replaced with a part from another vehicle. To replace a damaged or leaking inner condenser, use only a new genuine NISSAN replacement part or equivalent.
- Perform lubricant adjusting procedure before installing new inner condenser. Refer to [Lubricant Adjusting Procedure for Components Replacement Except Compressor](#).



NOTE:

This label indicates that the inner condenser complies with SAE J2842.



RPR-001931249-09-000314854

Sample

DANGER:

Since hybrid vehicles and electric vehicles contain a high voltage battery, there is the risk of electric shock, electric leakage, or similar accidents if the high voltage component and vehicle are handled incorrectly. Be sure to follow the correct work procedures when performing inspection and maintenance.

WARNING:

- Be sure to remove the service plug in order to disconnect the high voltage circuits before performing inspection or maintenance of high voltage system harnesses and parts.
- The removed service plug must always be carried in a pocket of the responsible worker or placed in the tool box during the procedure to prevent the plug from being connected by mistake.
- Be sure to wear insulating protective equipment consisting of glove, shoes, face shield and glasses before beginning work on the high voltage system.
- Never allow workers other than the responsible person to touch the vehicle containing high voltage parts. To keep others from touching the high voltage parts, these parts must be covered with an insulating sheet except when using them.
- Refer to [Precautions for High Voltage](#).

CAUTION:

- Never bring the vehicle into the READY status with the service plug removed unless otherwise instructed in the Service Manual. A malfunction may occur if this is not observed.
- Perform lubricant return operation before each refrigeration system disassembly. However, if a large amount of refrigerant or lubricant is detected, never perform lubricant return operation. Refer to [Perform Lubricant Return Operation](#).

REMOVAL

1 Follow the instructions below before starting the procedure.

CAUTION:

- Disconnect high voltage circuit. Refer to [HOW TO DISCONNECT HIGH VOLTAGE : Precautions](#).
- Check voltage in high voltage circuit. Refer to [CHECK VOLTAGE IN HIGH VOLTAGE CIRCUIT : Precautions](#).

2 Use a refrigerant collecting equipment (for HFO-1234yf) to discharge the refrigerant. Refer to [Recycle Refrigerant](#).

3 Remove A/C unit assembly cover. Refer to [Removal & Installation](#).

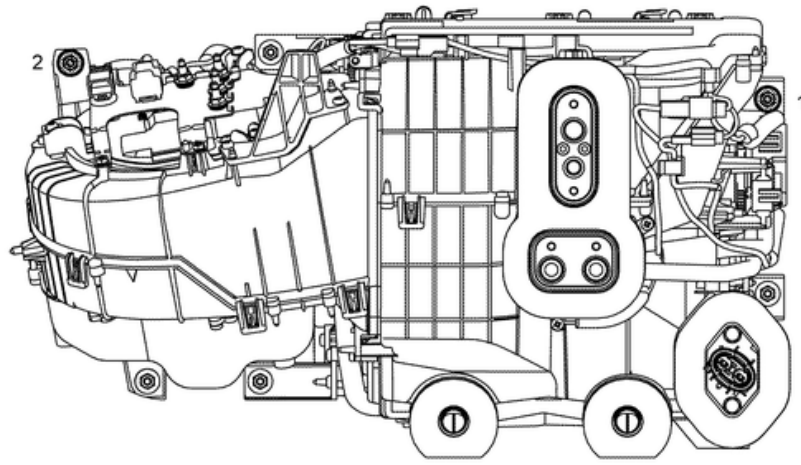
4 Remove A/C unit assembly mounting nuts, and then remove A/C unit assembly from vehicle.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- For the A/C unit assembly mounting nuts, tighten the nuts in the order of 1 → 2 in the figure, and then tighten the other nuts.

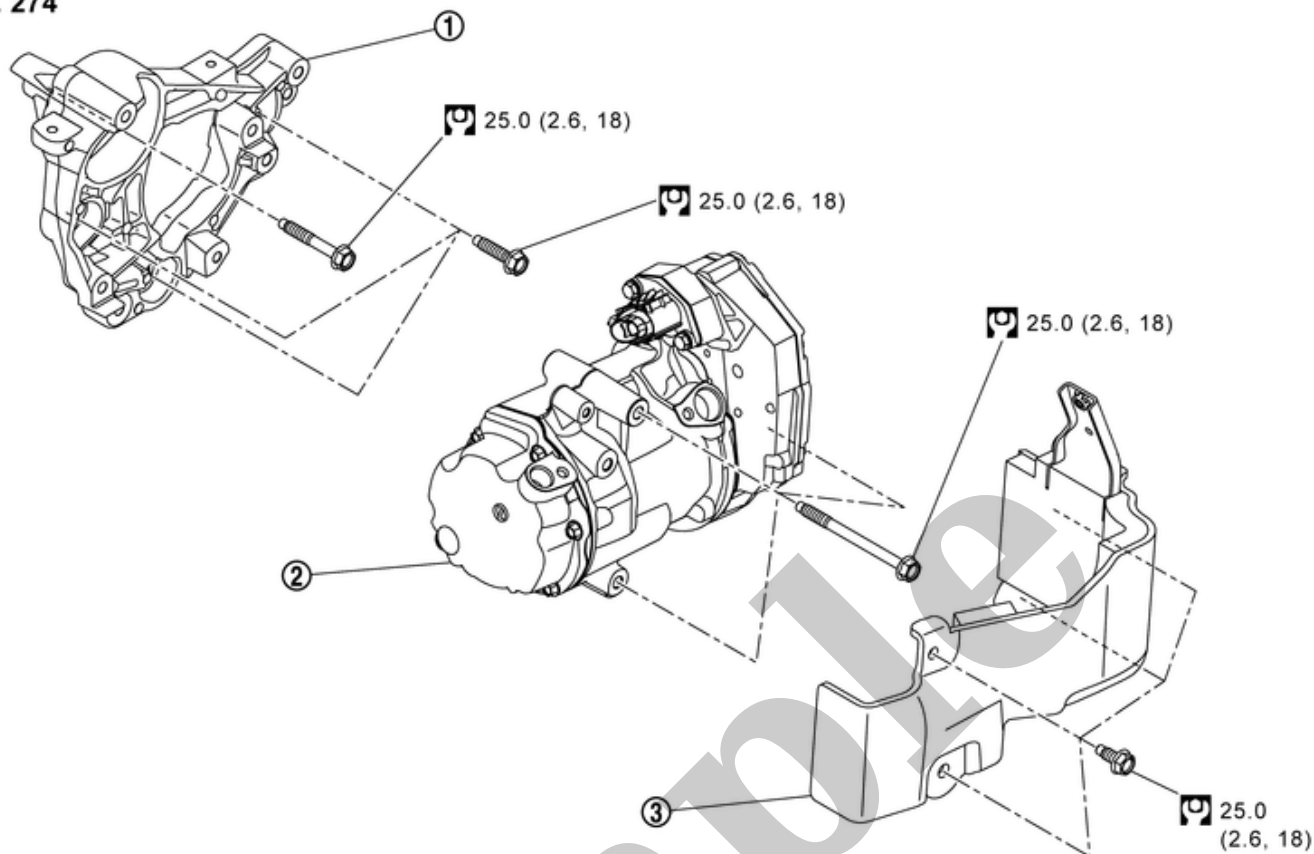


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- Use a refrigerant collecting equipment (for HFO-1234yf) to charge the refrigerant. Refer to [Charge Refrigerant](#).

Sample

SEC. 274



RDE-001931218-01-000376544

①	Compressor bracket	②	Electric compressor	③	Compressor stay
 : N·m (kg-m, ft-lb)					

DANGER:

Since hybrid vehicles and electric vehicles contain a high voltage battery, there is the risk of electric shock, electric leakage, or similar accidents if the high voltage component and vehicle are handled incorrectly. Be sure to follow the correct work procedures when performing inspection and maintenance.

WARNING:

- Be sure to remove the service plug in order to disconnect the high voltage circuits before performing inspection or maintenance of high voltage system harnesses and parts.
- The removed service plug must always be carried in a pocket of the responsible worker or placed in the tool box during the procedure to prevent the plug from being connected by mistake.
- Be sure to wear insulating protective equipment consisting of glove, shoes, face shield and glasses before beginning work on the high voltage system.
- Never allow workers other than the responsible person to touch the vehicle containing high voltage parts. To keep others from touching the high voltage parts, these parts must be covered with an insulating sheet except when using them.
- Refer to [Precautions for High Voltage](#).

CAUTION:

- Never bring the vehicle into the READY status with the service plug removed unless otherwise instructed in the Service Manual. A malfunction may occur if this is not observed.
- Perform lubricant return operation before each refrigeration system disassembly. However, if a large amount of refrigerant or lubricant is detected, never perform lubricant return operation. Refer to [Perform Lubricant Return Operation](#).

REMOVAL

1 Follow the instructions below before starting the procedure.

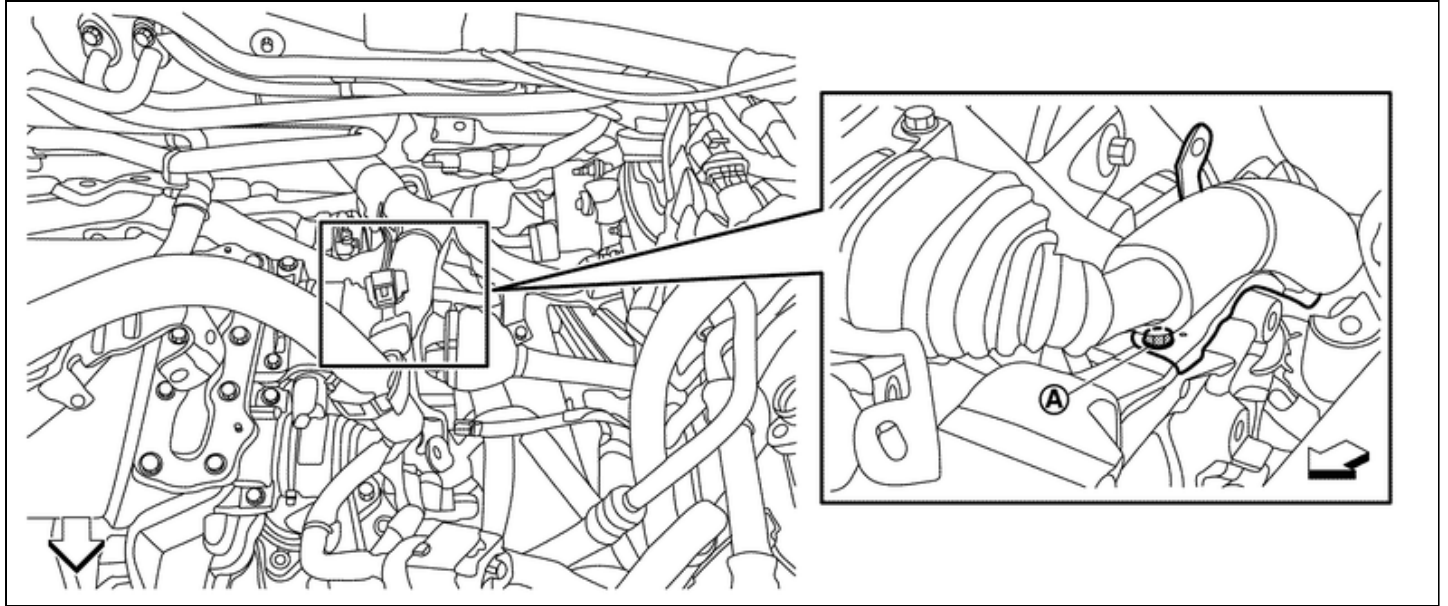
CAUTION:

- Disconnect high voltage circuit. Refer to [HOW TO DISCONNECT HIGH VOLTAGE : Precautions](#).
- Check voltage in high voltage circuit. Refer to [CHECK VOLTAGE IN HIGH VOLTAGE CIRCUIT : Precautions](#).

2 Use a refrigerant collecting equipment (for HFO-1234yf) to discharge the refrigerant. Refer to [Recycle Refrigerant](#).

3 Remove electric compressor. Refer to [Removal & Installation](#).

4 Remove mounting bolt (A), and then remove high voltage harness from compressor bracket.



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WARNING:

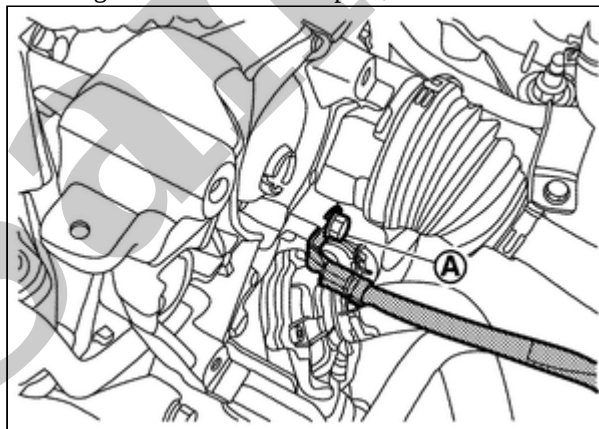


To prevent electric shock hazards, be sure to wear protective gear.



: Vehicle front

5 Remove mounting bolt (A), and then remove ground wire from compressor bracket.



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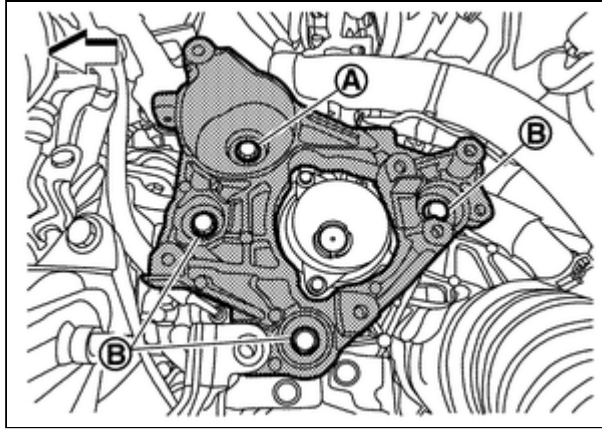
WARNING:



To prevent electric shock hazards, be sure to wear protective gear.



6 Remove mounting bolts (A) and (B), remove compressor bracket.



RPR-001931221-03-000356209

WARNING:



To prevent electric shock hazards, be sure to wear protective gear.



: Vehicle front

INSTALLATION

Note the following items, and then install in the reverse order of removal.

WARNING:

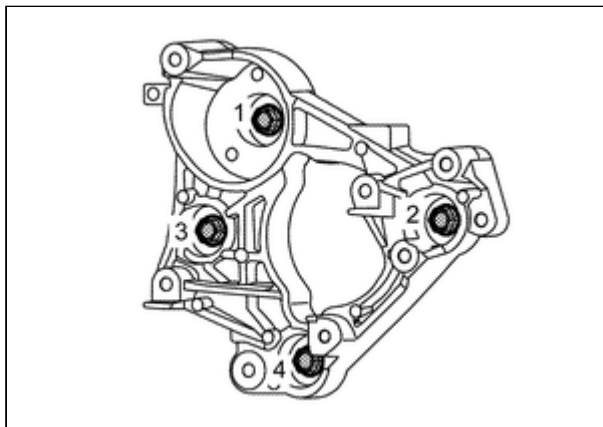


To prevent electric shock hazards, be sure to wear protective gear.



CAUTION:

- No dust, oil or paint on the adhesive surface of compressor bracket and compressor bracket mounting bolts. If it adheres, wipe it off with alcohol before installing it.
- For compressor bracket installed, temporarily bolts according to numerical order 1 → 4, and then bolts to the specified torque. Refer to [Exploded View](#).



RPR-001931221-04-000356210