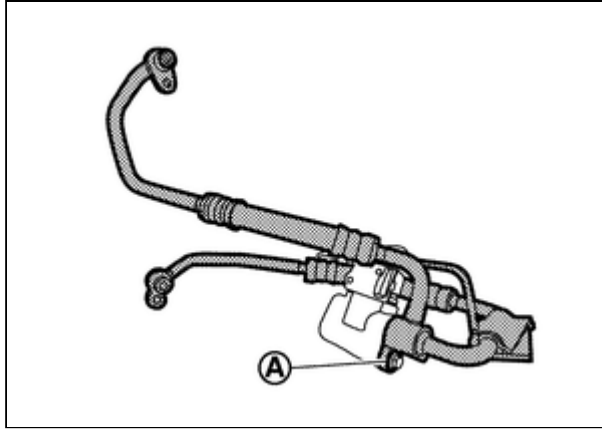


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2024 Nissan Kicks Service and Repair Manual

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RPR-001931227-02-000416827

CAUTION:

Cap or wrap the joint of the A/C piping with suitable material such as vinyl tape to avoid the entry of air.

INSTALLATION

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

CAUTION:

- To prevent degradation in insulation performance, use special electric compressor oil as the compressor oil.
- In order to prevent conventional PAG oil from becoming mixed in, never reuse recovered electric compressor oil and instead always use new oil. The use of oil including the conventional PAG oil may degrade the performance of insulation.
- To prevent performance degradation, never use a fluorescent agent in order to detect refrigerant leakage. Also be careful that a fluorescent agent never enter the oil.
- To prevent leakage of refrigerant, replace the O-ring with a new one. Apply a coat of electric compressor oil to the O-ring prior to installation.
- Use a refrigerant collecting equipment (for HFO-1234yf) to charge the refrigerant. Refer to [Charge Refrigerant](#).
- Perform a check for refrigerant leakage when charging with refrigerant. Refer to [Leak Test](#).

DISASSEMBLY

1 Peel foam seal.

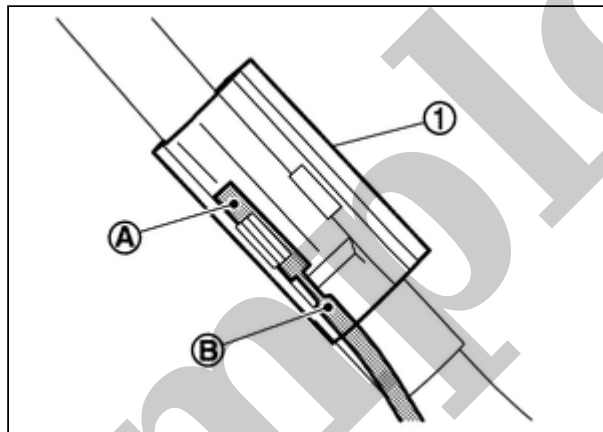
2 Remove sensor clip, and then remove condenser discharge refrigerant temperature sensor from high-pressure flexible pipe.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

CAUTION:

- Never reuse the foam seal that was once peeled off.
- When attach the foam seal ① attach the sensor part ① and the harness near the sensor ② together.



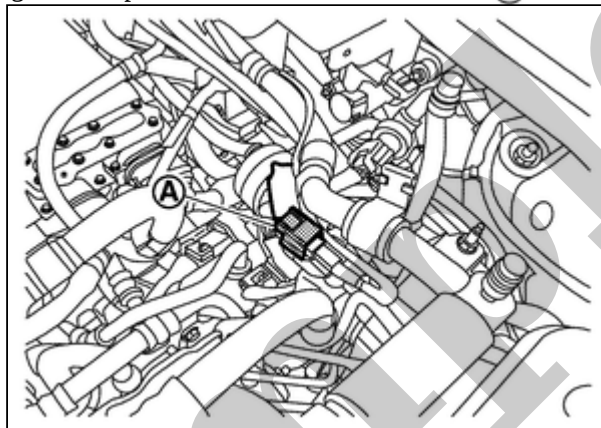
RPR-001931226-01-000384854

CAUTION:

Perform lubricant return operation before each refrigeration system disassembly. However, if a large amount of refrigerant or lubricant leak is detected, never perform lubricant return operation. Refer to [Perform Lubricant Return Operation](#).

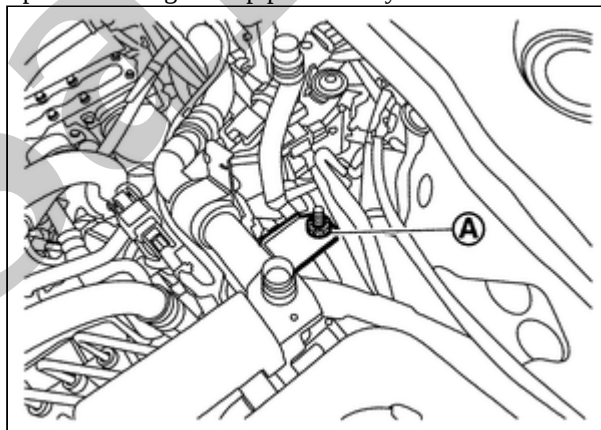
REMOVAL

- 1 Use a refrigerant collecting equipment (for HFO-1234yf) to discharge the refrigerant. Refer to [Recycle Refrigerant](#).
- 2 Remove high voltage power delivery assembly. Refer to [HIGH VOLTAGE POWER DELIVERY ASSEMBLY : Removal & Installation](#).
- 3 Disconnect high-pressure cooler pipe assembly from low-pressure refrigerator pipe assembly. Refer to [Removal & Installation](#).
- 4 Disconnect evaporator discharge refrigerant temperature sensor harness connector (A).



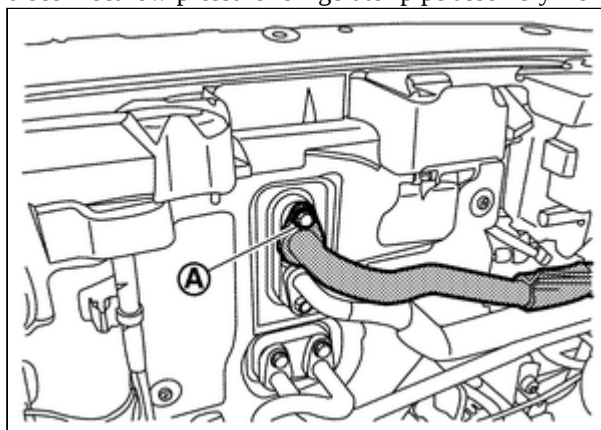
RPR-001931230-01-000376573

- 5 Remove stay mounting nut (A) of low-pressure refrigerator pipe assembly.



RPR-001931230-02-000376574

- 6 Remove mounting bolt (A), and then disconnect low-pressure refrigerator pipe assembly from evaporator.

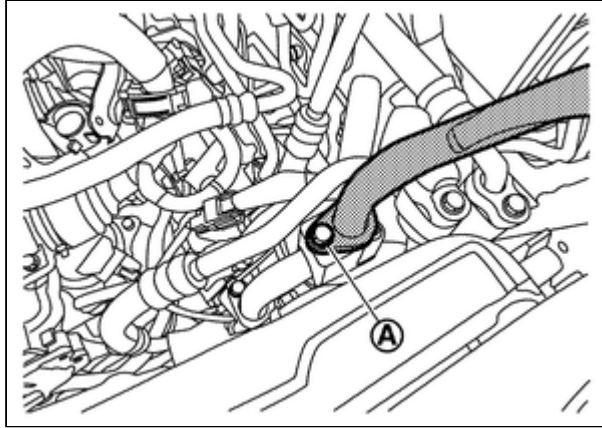


RPR-001931230-03-000376575

CAUTION:

Cap or wrap the joint of the A/C piping and evaporator with suitable material such as vinyl tape to avoid the entry of air.

7 Remove mounting bolt (A), and then disconnect low-pressure refrigerator pipe assembly from Accumulator assembly.



RPR-001931230-04-000356241

CAUTION:

Cap or wrap the joint of the A/C piping and accumulator with suitable material such as vinyl tape to avoid the entry of air.

8 Remove low-pressure refrigerator pipe assembly from vehicle.

INSTALLATION

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

CAUTION:

- To prevent degradation in insulation performance, use special electric compressor oil as the compressor oil.
- In order to prevent conventional PAG oil from becoming mixed in, never reuse recovered electric compressor oil and instead always use new oil. The use of oil including the conventional PAG oil may degrade the performance of insulation.
- To prevent performance degradation, never use a fluorescent agent in order to detect refrigerant leakage. Also be careful that a fluorescent agent never enter the oil.
- To prevent leakage of refrigerant, replace the O-ring with a new one. Apply a coat of electric compressor oil to the O-ring prior to installation.
- Use a refrigerant collecting equipment (for HFO-1234yf) to charge the refrigerant. Refer to [Charge Refrigerant](#).
- Perform a check for refrigerant leakage when charging with refrigerant. Refer to [Leak Test](#).

DISASSEMBLY

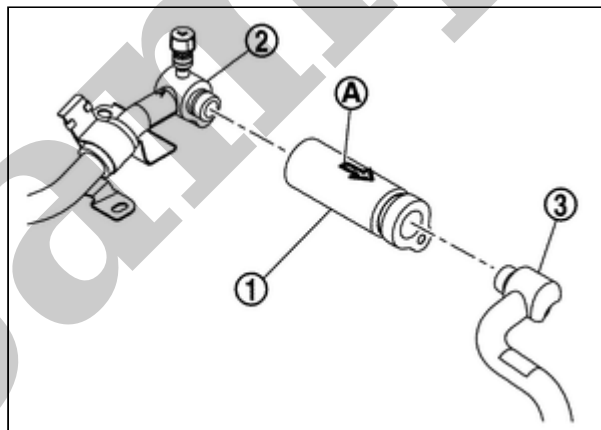
- 1 Remove evaporator discharge refrigerant temperature sensor.
 - a Remove the harness fixing tape.
 - b Peel foam seal.
 - c Remove sensor clip, and then remove sensor part from low-pressure refrigerant pipe 1.
 - d Disengage harness connector fixing clip of evaporator discharge refrigerant temperature sensor from bracket of low-pressure refrigerant pipe 1.
- 2 Remove mounting bolt, and then remove low-pressure refrigerant pipe 1 from evaporator pressure regulator.
- 3 Remove mounting bolt, and then remove low-pressure refrigerant pipe 2 from evaporator pressure regulator.

ASSEMBLY

Note the following items, and then assemble in the reverse order of disassembly.

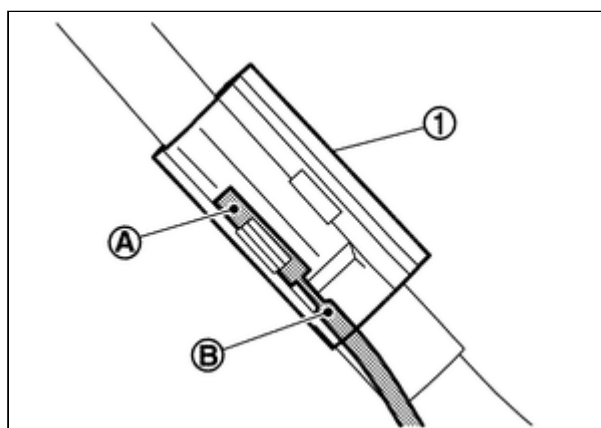
CAUTION:

- To prevent leakage of refrigerant, replace the O-ring with a new one. Apply a coat of electric compressor oil to the O-ring prior to installation.
- Be careful the direction of arrow (A) of evaporator pressure regulator (1) and assemble low-pressure refrigerant pipe 1 (2) and low-pressure refrigerant pipe 2 (3).



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- Never reuse the foam seal and harness fixing tape that was once peeled off.
- When attach the foam seal (1) attach the sensor part (A) and the harness near the sensor (B) together.



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Removal & Installation

RPR-001931237

For removal and installation of low pressure refrigerant channel switching valve, refer to removal and installation of high-pressure flexible pipe assembly. Refer to [Removal & Installation](#).

Sample

Removal & Installation

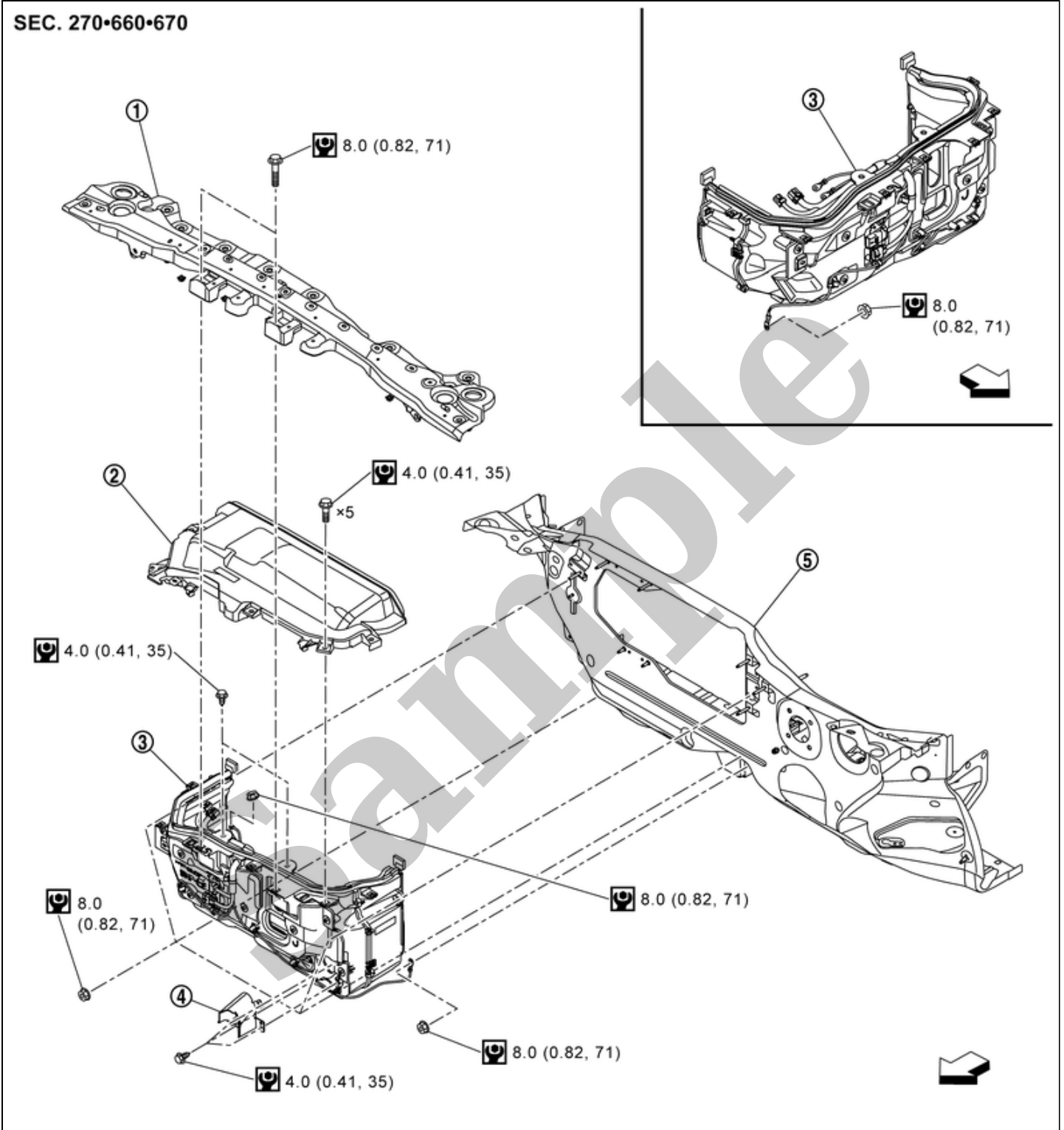
RPR-001931236

For removal and installation of high pressure refrigerant channel switching valve, refer to disassembly and assembly of high-pressure cooler pipe assembly. Refer to [Disassembly & Assembly](#).

Sample

Removal & Installation

SEC. 270•660•670

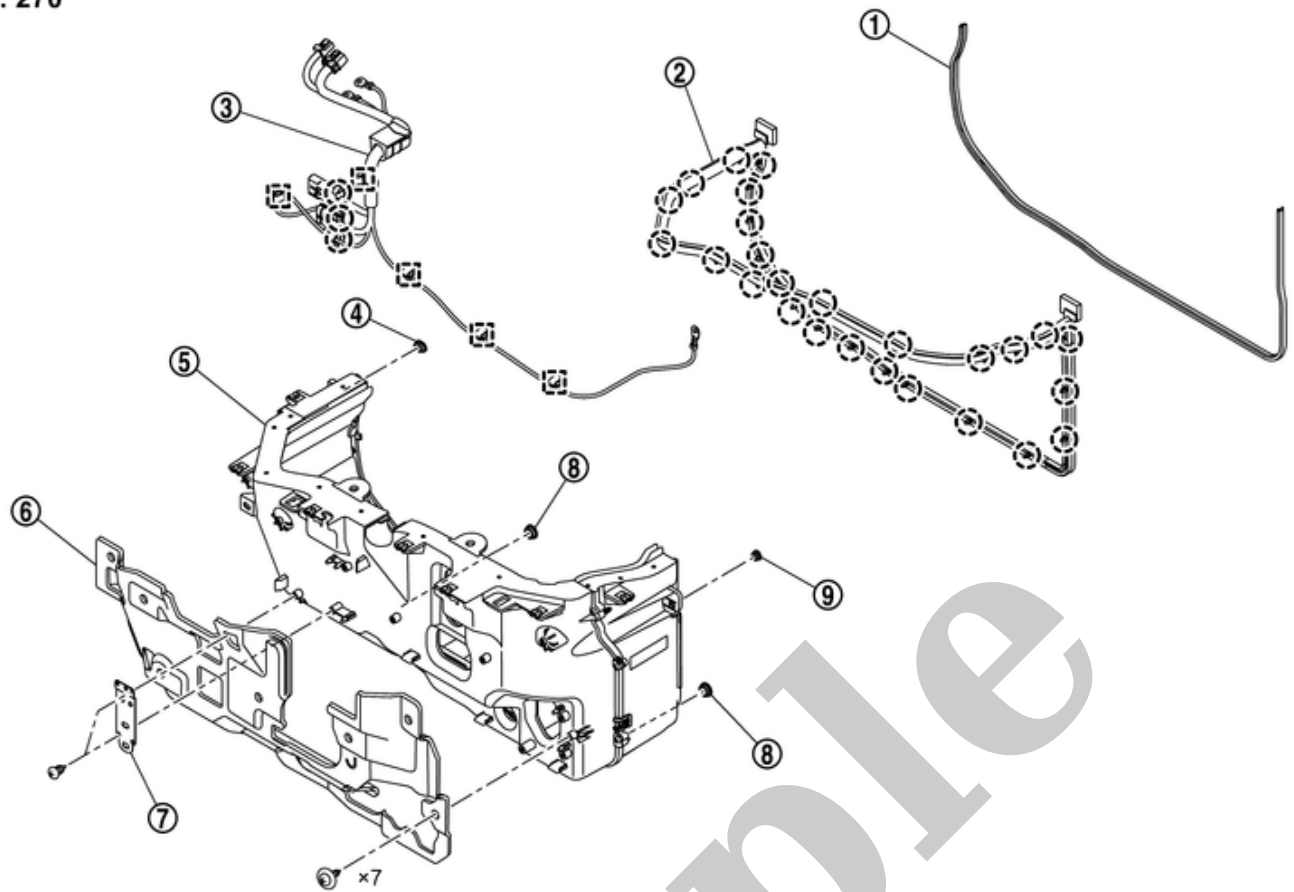


RDE-001931244-01-000376578

①	Cowl top member	②	A/C unit assembly top cover	③	A/C unit assembly cover
④	PTC cover	⑤	Lower dash assembly		
	: N•m (kg-m, in-lb)				
	: Vehicle front				

Disassembly & Assembly

SEC. 270



RDE-001931244-02-000376579

①	Rear weather-strip	②	Weather-strip	③	Sub harness
④	Collar 2	⑤	Insulator	⑥	Outer insulator
⑦	Sub harness bracket	⑧	Collar 3	⑨	Collar 1
⊙	: Clip				
⊞	: Metal clip				