

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

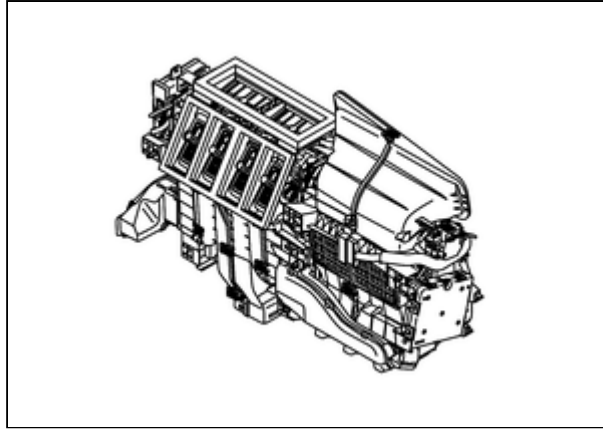
2023 NISSAN Z Nismo Service and Repair Manual

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Intake & Distribution Box

SIEMD-7216038

This system utilizes an intake and distribution box that combines intake box and distribution box.



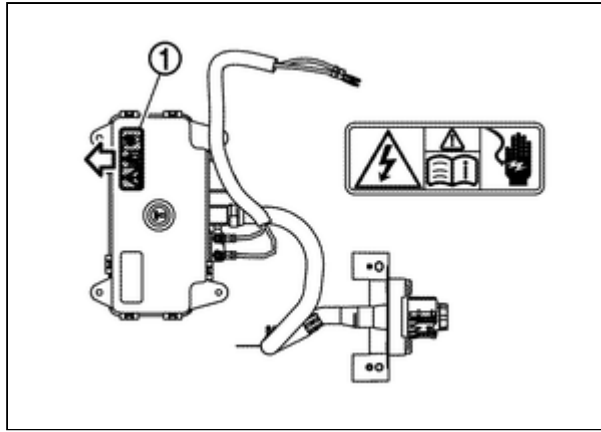
SIEMD-7216038-01-000376622

Sample

High Voltage Warning Label

SIEMD-7216040

The label ① is stuck on the controller part of PTC heater.



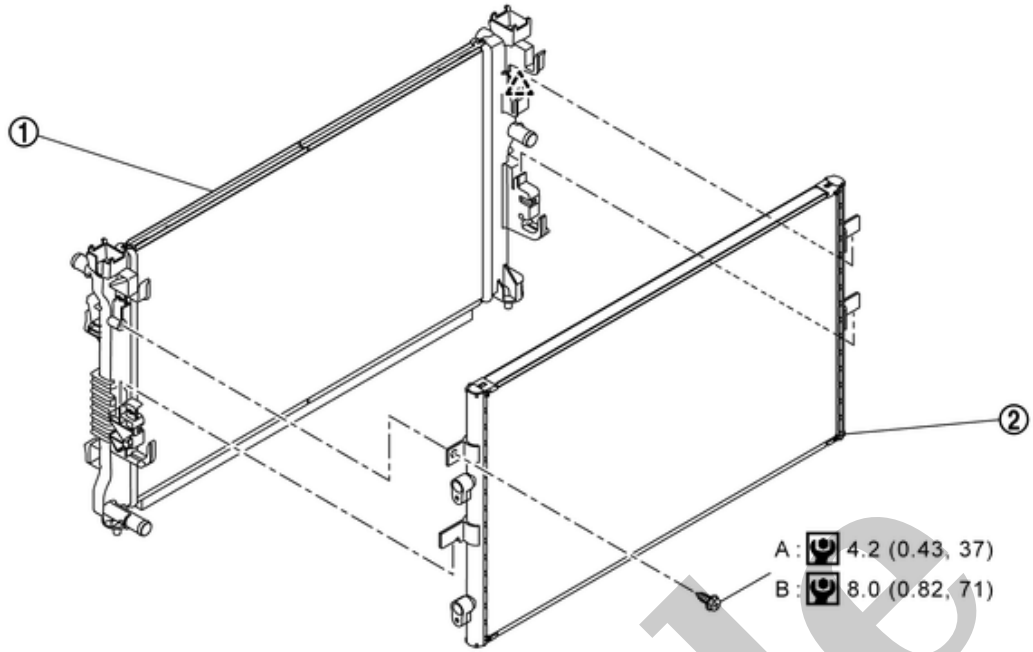
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: Application direction of the label

Sample

SEC. 276



RDE-001931241-01-000376576

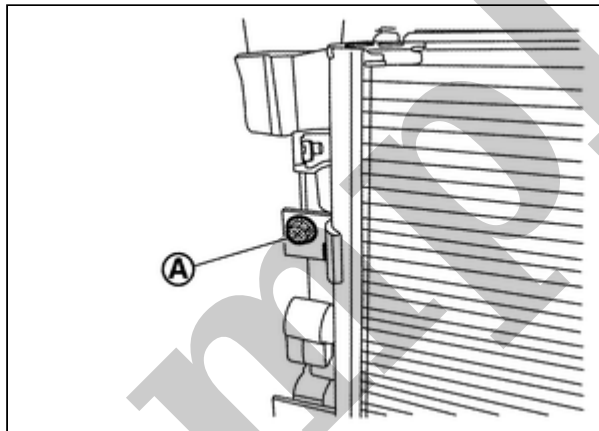
①	Radiator	②	Condenser		
	: Pawl				
A	: When not replaced the radiator				
B	: When replaced the radiator				
	: N•m (kg-m, in-lb)				

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](#).

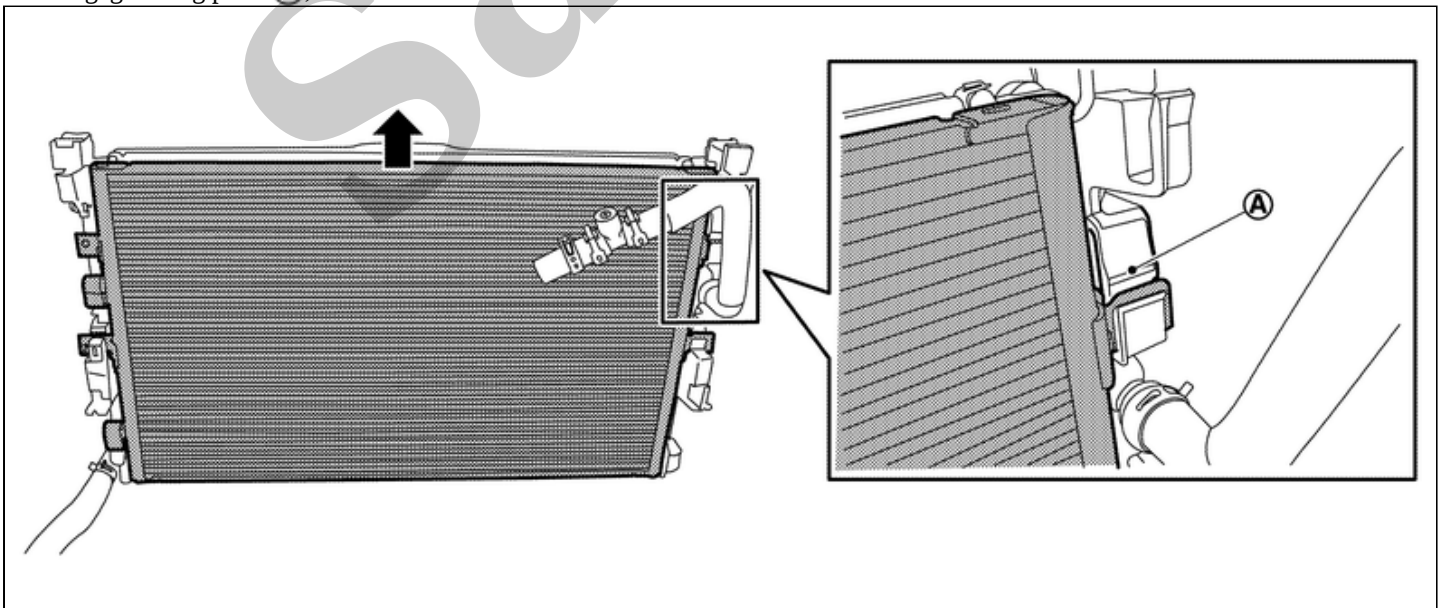
REMOVAL

- 1 Use a refrigerant collecting equipment (for HFO-1234yf) to discharge the refrigerant. Refer to [Recycle Refrigerant](#).
- 2 Remove accumulator assembly. Refer to [Removal & Installation](#).
- 3 Remove cooler pipe A. Refer to [Removal & Installation](#).
- 4 Remove cooler pipe B. Refer to [Removal & Installation](#).
- 5 Remove cooling fan. Refer to [COOLING FAN : Removal & Installation](#).
- 6 Remove condenser fixing screw (A).



RPR-001931242-01-000356249

- 7 Disengage fixing pawl (A), and then remove condenser.



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INSTALLATION

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

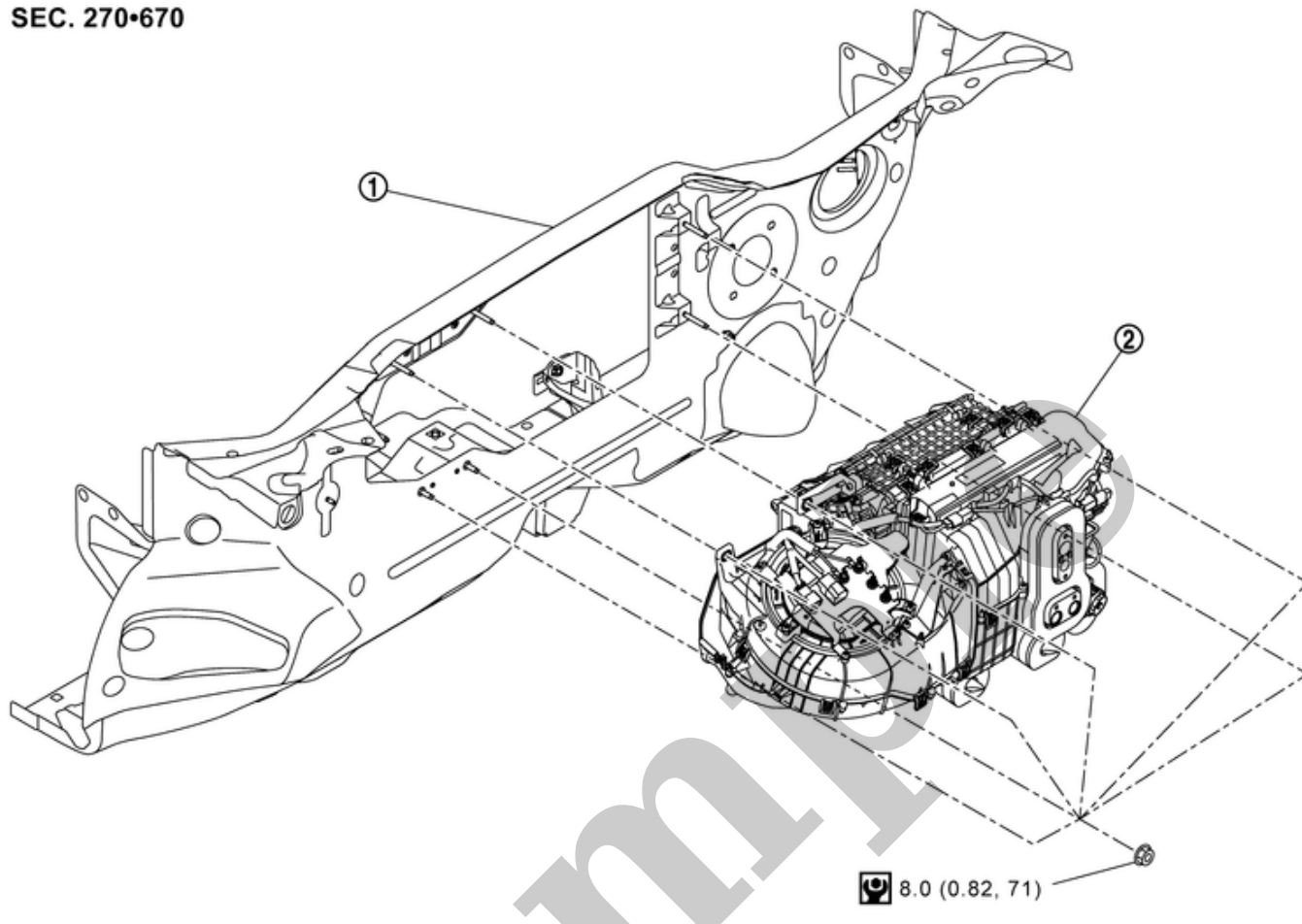
CAUTION:

- 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.
- Perform lubricant adjusting procedure before installing new condenser. Refer to [Lubricant Adjusting Procedure for Components Replacement Except Compressor](#).
- 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](#).


Sample

Removal & Installation

SEC. 270•670

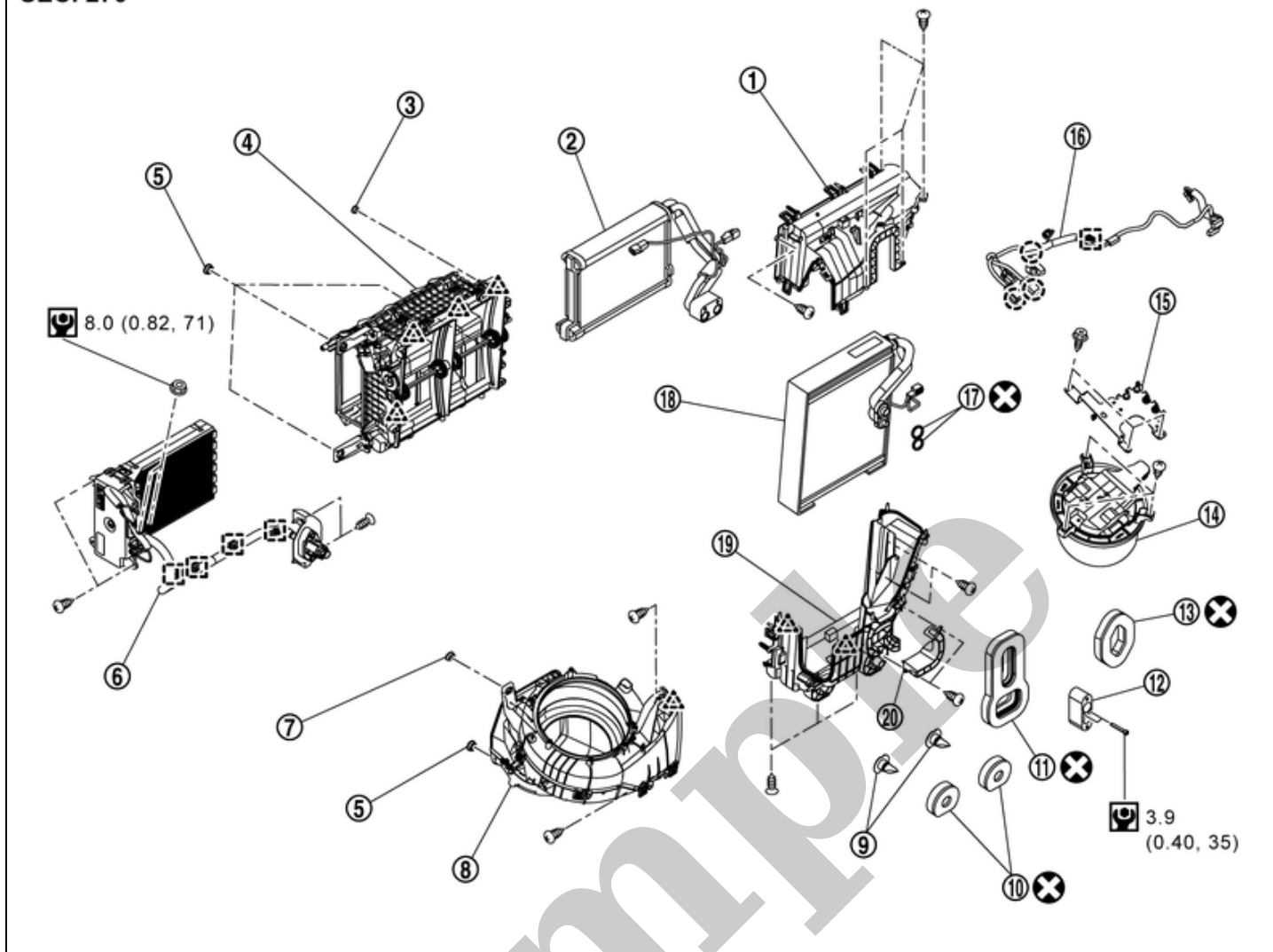


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①	Lower dash assembly	②	A/C unit assembly		
	: N•m (kg-m, in-lb)				

Disassembly & Assembly

SEC. 270

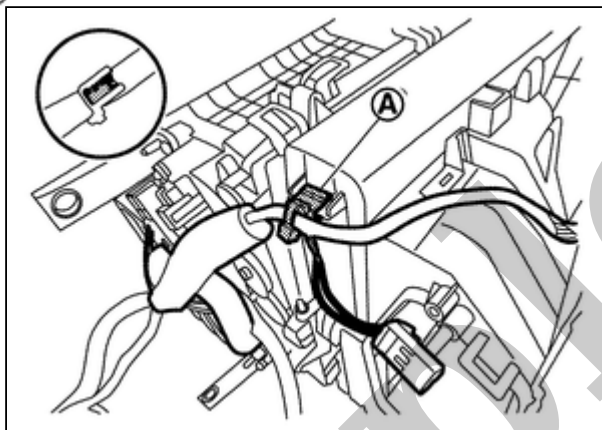


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①	Front case upper	②	Inner condenser	③	Collar 1
④	Rear case	⑤	Collar 2	⑥	PTC heater
⑦	Collar 3	⑧	Blower case	⑨	Drain hose
⑩	Drain seal	⑪	Pipe seal	⑫	Evaporator connector
⑬	PTC seal	⑭	Blower motor	⑮	Sub harness bracket
⑯	Sub harness	⑰	O-ring	⑱	Evaporator
⑲	Front case lower	⑳	Pipe cover		
	: Clip				
	: Metal clip				
	: Always replace after every disassembly.				
	: N•m (kg-m, in-lb)				

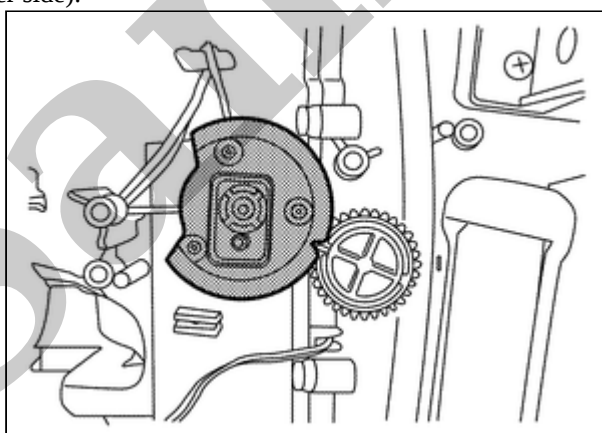
REMOVAL

- 1 Remove blower case assembly and PTC heater harness from A/C unit case assembly referring to PTC heater removal procedure 1 to 4. Refer to [Removal & Installation](#).
- 2 Remove inner condenser. Refer to [Removal & Installation](#).
- 3 Disconnect intake sensor harness connector.
- 4 Remove intake sensor harness connector from front case upper.
- 5 Disengage sub harness fixing clip **(A)**.



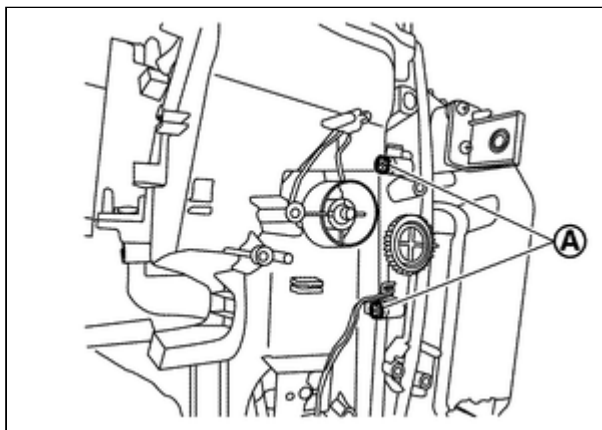
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- 6 Remove air mix door motor (driver side). Refer to [Removal & Installation](#).
- 7 Remove air mix door gear link (driver side).



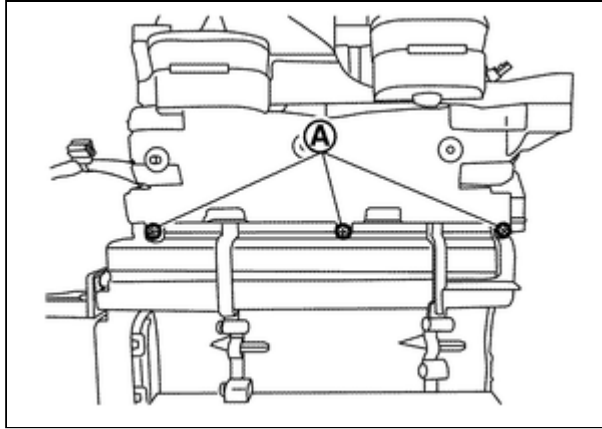
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- 8 Remove right side fixing screws **(A)** of front case.



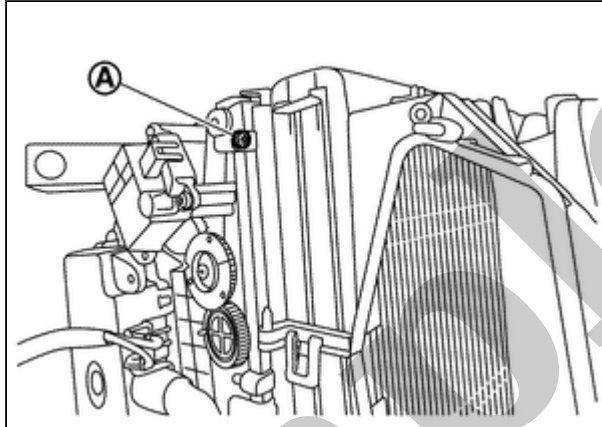
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- 9 Remove lower side fixing screws **(A)** of front case.



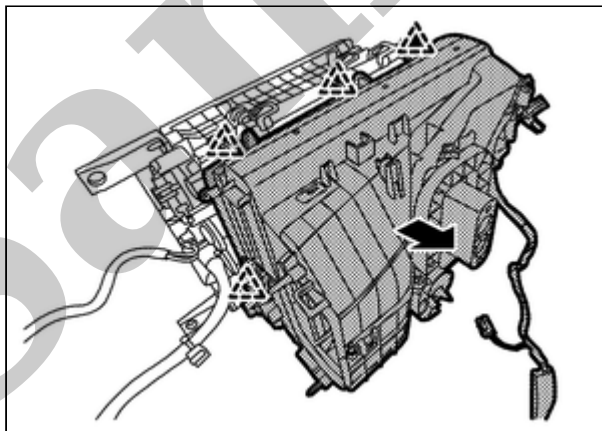
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10 Remove upper side fixing screw (A) of front case.



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11 Disengage fixing pawls, and then remove front case.

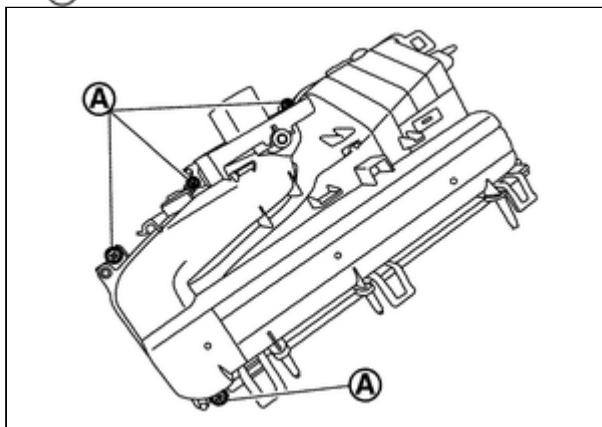


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: Pawl

12 Remove front case upper fixing screws (A).



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