

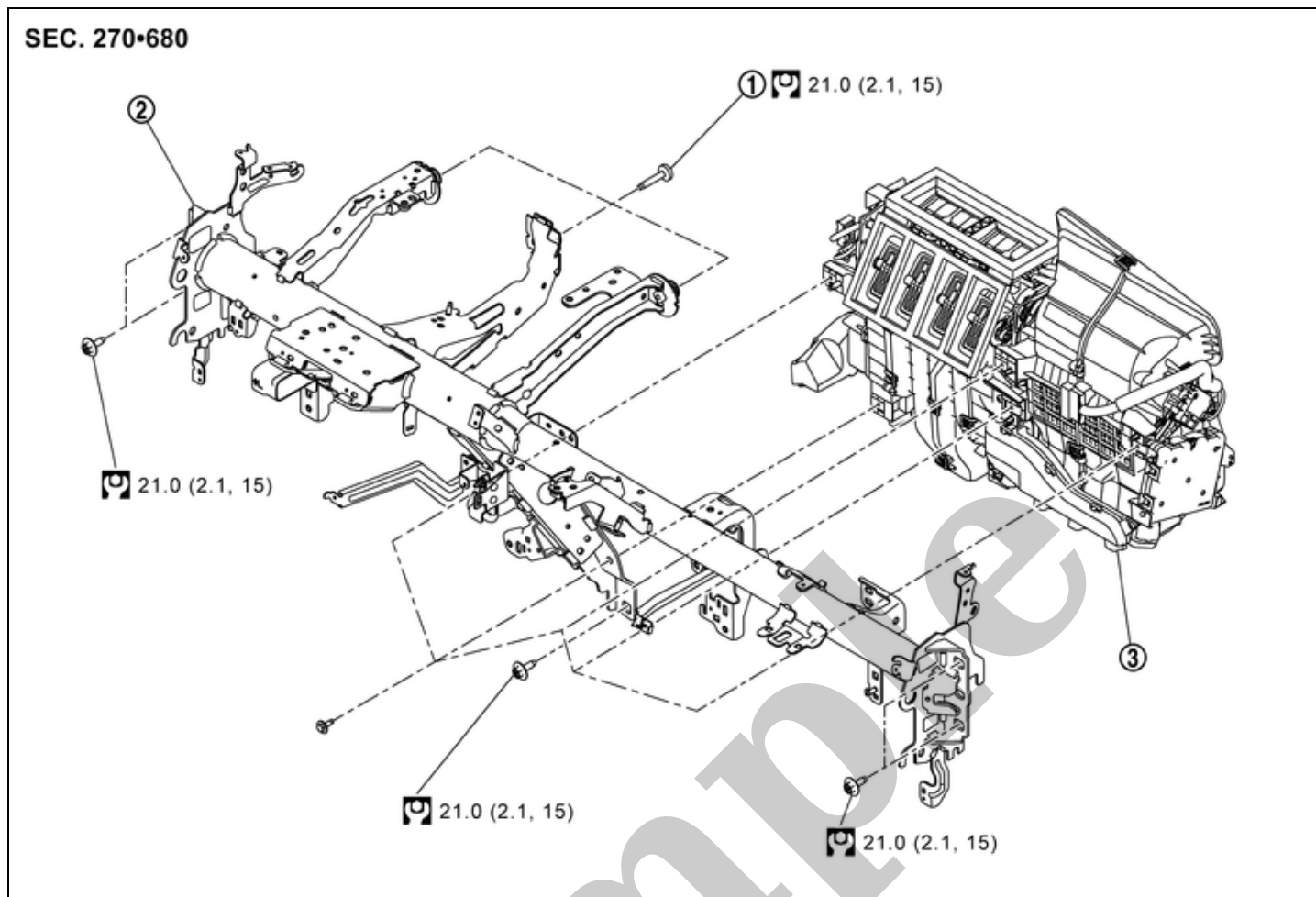
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2024 Nissan Murano Service and Repair Manual

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SEC. 270•680

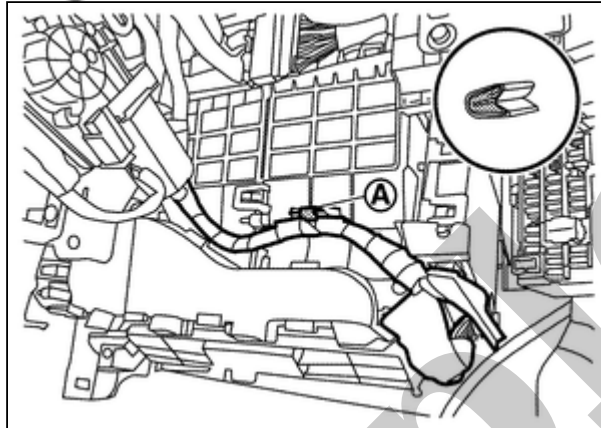


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①	TORX bolt	②	Steering member	③	Intake & distribution box
	: N•m (kg-m, in-lb)				

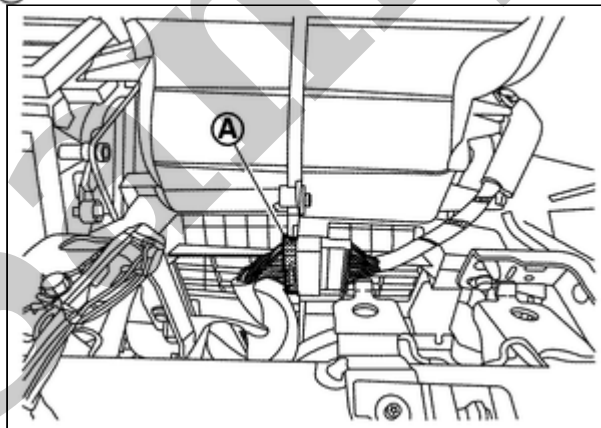
REMOVAL

- 1 Remove front wiper drive assembly. Refer to [Removal & Installation](#).
- 2 Remove instrument panel assembly. Refer to [Removal & Installation](#).
- 3 Remove side ventilator ducts. Refer to [Removal & Installation](#).
- 4 Remove center ventilator duct. Refer to [Removal & Installation](#).
- 5 Disengage main harness fixing metal clip (A).



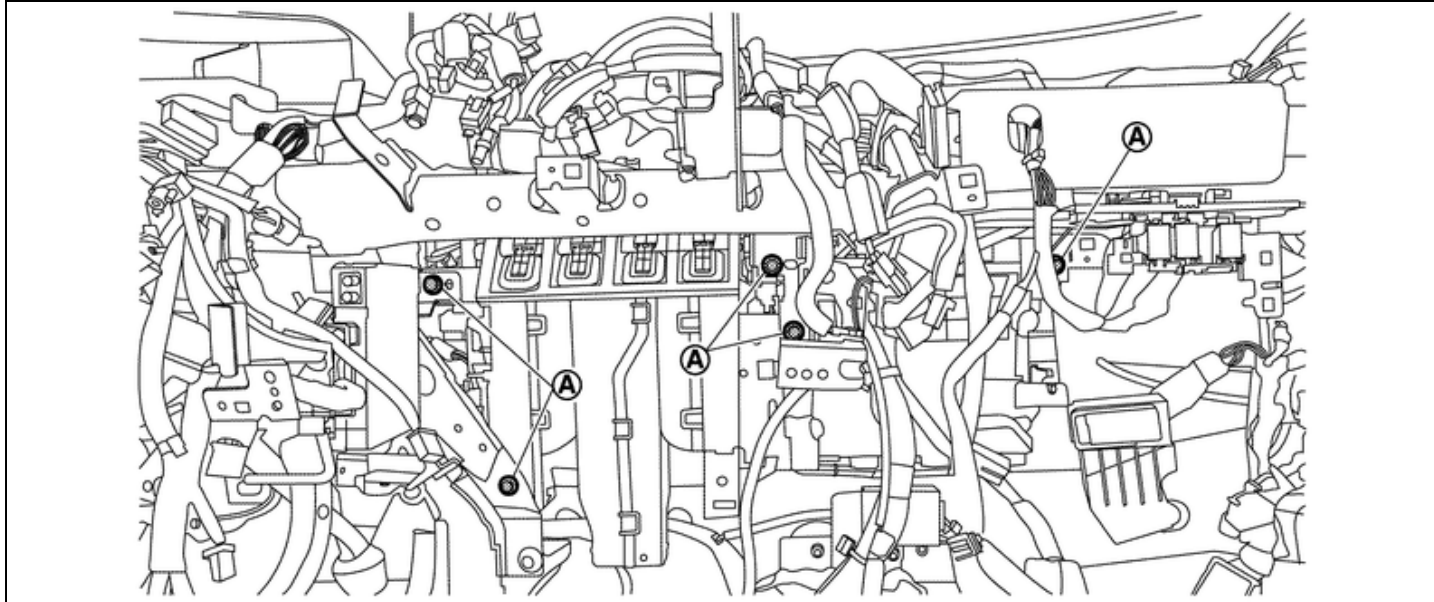
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- 6 Disconnect A/C auto amp. harness connectors.
- 7 Disconnect main harness connector (A) from sub harness connector.



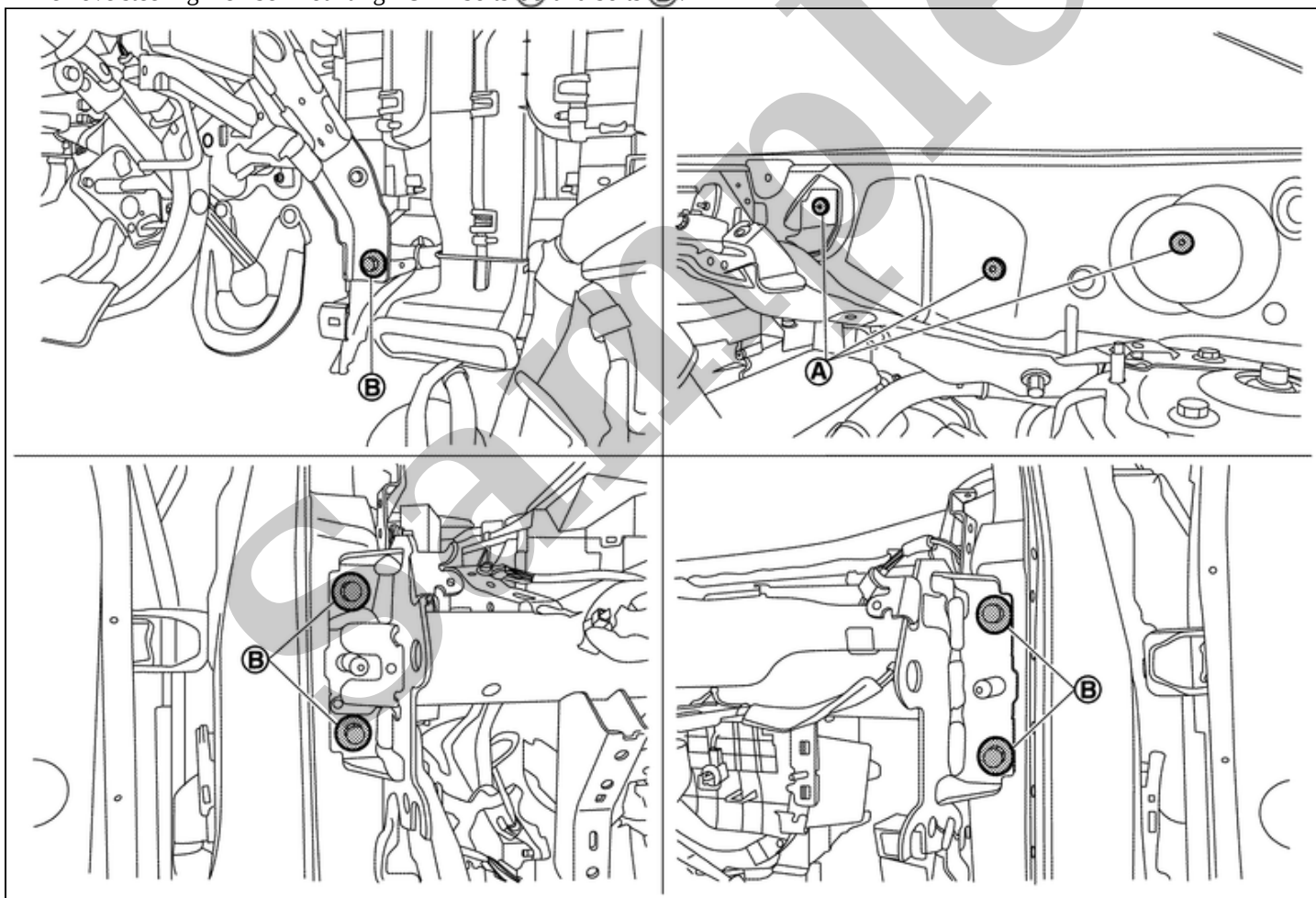
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- 8 Remove harness connector, harness clips and bracket necessary to remove steering member. Move vehicle harness aside.
- 9 Remove steering column mounting bolts and nuts, and then move steering column assembly to secure work space. Refer to [STEERING COLUMN : Removal & Installation](#).
- 10 Remove intake & distribution box mounting bolts (A).



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11 Remove steering member mounting TOLX bolts (A) and bolts (B).



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12 Remove steering member from vehicle.

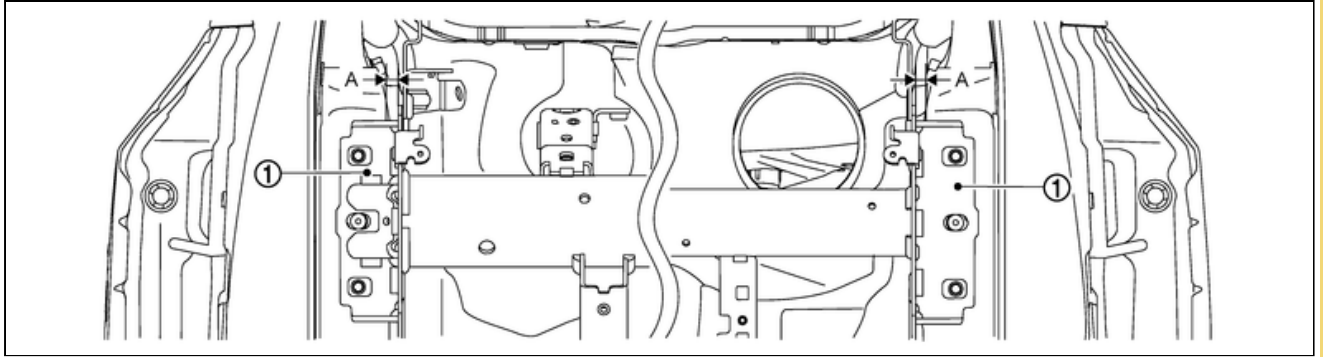
13 Remove intake & distribution box from vehicle.

INSTALLATION

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

CAUTION:

- Install so that the gap (A) between steering member ① and vehicle body is even on the left and right.



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- Be sure to perform the specified calibration work of the head up display unit for operating the system normally, when replacing or removing steering member. Refer to [Work Procedure](#).

Sample

Electric Compressor

RDE-001937806

Model (manufacturer)	ESB34 (DENSO)
Type	Electric drive scroll type (Include inverter)

Sample

Lubricant

RDE-001937807

Name	ND-OIL11 (Exclusive use for electric compressor)	
Capacity	mℓ (Imp fl oz)	220 (7.7)

Sample

Refrigerant

RDE-001937808

Name	HFO-1234yf (R-1234yf)	
Capacity	kg (lb)	1.05 (2.32)

Sample

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

RDE-001934134

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision.

Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition/power switch OFF, disconnect the 12V battery or batteries, and wait at least 3 minutes before performing any service.

OPERATION PROHIBITION

WARNING:

- Parts with strong magnet is used in this vehicle.
- Technicians using a medical electric device such as pacemaker must never perform operation on the vehicle, as magnetic field can affect the device function by approaching to such parts.

NORMAL CHARGE PRECAUTION

WARNING:

- If a technician uses a medical electric device such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator, the possible effects on the devices must be checked with the device manufacturer before starting the charge operation.
- As radiated electromagnetic wave generated by PDM (Power Delivery Module) at normal charge operation may affect medical electric devices, a technician using a medical electric device such as implantable cardiac pacemaker or an implantable cardioverter defibrillator must not approach motor room [PDM (Power Delivery Module)] at the hood-opened condition during normal charge operation.

PRECAUTION AT TELEMATICS SYSTEM OPERATION

WARNING:

- If a technician uses implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), avoid the device implanted part from approaching within approximately 220 mm (8.66 in) from interior/exterior antenna.
- The electromagnetic wave of TCU might affect the function of the implantable cardiac pacemaker or the implantable cardioverter defibrillator (ICD), when using the service, etc.
- If a technician uses other medical electric devices than implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), the electromagnetic wave of TCU might affect the function of the device. The possible effects on the devices must be checked with the device manufacturer before TCU use.

PRECAUTION AT INTELLIGENT KEY SYSTEM OPERATION

WARNING:

- If a technician uses implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), avoid the device implanted part from approaching within approximately 220 mm (8.66 in) from interior/exterior antenna.
- The electromagnetic wave of Intelligent Key might affect the function of the implantable cardiac pacemaker or the implantable cardioverter defibrillator (ICD), at door operation, at each request switch operation, or at engine starting.
- If a technician uses other medical electric devices than implantable cardiac pacemaker or implantable cardioverter defibrillator (ICD), the electromagnetic wave of Intelligent Key might affect the function of the device. The possible effects on the devices must be checked with the device manufacturer before Intelligent Key use.