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1983 NISSAN Micra 3 Doors OEM Service and Repair Workshop Manual

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PRECAUTIONS CONCERNING ON-BOARD SERVICING OF EV SYSTEMS : Precautions

RDE-002027504

CAUTION:

When hood is opened, power supply (charge) to 12V battery is stopped even during power switch ON state. Therefore, never leave hood opened for long time with power switch ON, when servicing vehicle.

Also, lock hood unless necessary to prevent 12V battery voltage from dropping.



NOTE:

During READY state, power is supplied (charged) to 12V battery even if hood is opened.

Sample

PRECAUTIONS FOR SUPPLEMENTAL RESTRAINT SYSTEM (SRS) AIR BAG AND SEAT BELT PRE-TENSIONER : Precautions

RDE-001824823

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 collisions.

Information necessary to service the system safely is included in the “SRS AIR BAG” and “SEAT BELT” sections 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.

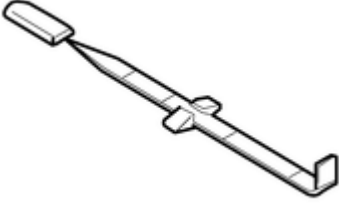
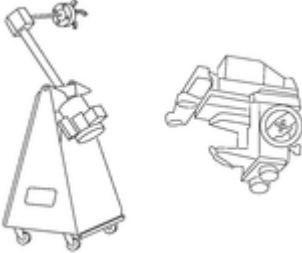
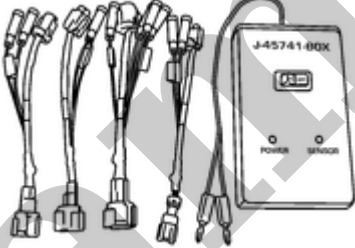
PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation:



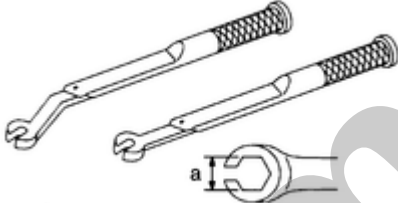
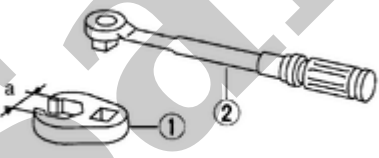
- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly 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.

The actual shape of the tools may differ from those illustrated here.

Tool number (TechMate No.) Tool name		Description
<p>— (J-46532) Brake height tool</p>	 <p>RDE-001824828-01-FIA0227E</p>	<p>Measuring brake pedal height</p>
<p>38-PFM92 (—) ProCut™ PFM Series Lathe</p>	 <p>RDE-001824828-02-LFIA0092ZZ</p>	<p>Refinishing rotors</p>
<p>KV991J0080 (J-45741) ABS active wheel sensor tester</p>	 <p>RDE-001824828-03-FIA0101E</p>	<p>Checking operation of ABS active wheel sensors</p>

Commercial Service Tools

RDE-001824829

Tool name		Description
Power tool	 <p>RDE-001824829-01-IIB1407E</p>	Loosening nuts, screws and bolts
Brake caliper wrench	 <p>RDE-001824829-02-NFIA0040ZZ</p>	Return the piston
Flare nut torque wrench	 <p>RDE-001824829-04-T406</p>	Installing brake piping a: 10 mm (0.39 in), 11 mm (0.43 in), 12 mm (0.47 in)
1. Flare nut crowfoot 2. Torque wrench	 <p>RDE-001824829-03--NT360</p>	Tightening brake tube flare nuts a: 10 mm (0.39 in), 11 mm (0.43 in), 12 mm (0.47 in)

BRAKE PEDAL : Service Data

RDE-001824879

Unit: mm (in)

Item	Standard
Brake pedal height	176.6 – 186.6 (6.95 – 7.35)
Depressed brake pedal height [Depressing 490 N (50 kg, 110 lb) while engine ON]	90.0 (3.54) or more
Clearance between stop lamp switch threaded end and the brake pedal lever	16.0 (0.630)

Sample

REAR DISC BRAKE : Service Data

RDE-001824881

Unit: mm (in)

Item		Limit
Brake pad	Wear thickness	1.0 (0.04)
Disc rotor	Wear thickness	14.0 (0.55)
	Thickness variation (measured at 8 positions)*	0.009 (0.0004)
	Runout (with it attached to the vehicle)	0.07 (0.0028)

*To check if rotor imbalance, rotor runout or rotor deformation is occurred.

Sample

FRONT DISC BRAKE : Service Data

RDE-001824878

Unit: mm (in)

FOR NAO 31 SIZE MODELS

Item		Limit
Brake pad	Wear thickness	2.0 (0.079)
Disc rotor	Wear thickness	27.4 (1.079)
	Thickness variation (measured at 8 positions)*	0.006 (0.0002)
	Runout (with it attached to the vehicle)	0.035 (0.0014)

*To check if rotor imbalance, rotor runout or rotor deformation is occurred.

Unit: mm (in)

FOR NAO 36 SIZE MODELS

Item		Limit
Brake pad	Wear thickness	2.0 (0.079)
Disc rotor	Wear thickness	27.4 (1.079)
	Thickness variation (measured at (1st position/2nd-6th positions))*	0.004/0.003 (0.0002/0.0001)
	Runout (with it attached to the vehicle)	0.035 (0.0014)

*To check if rotor imbalance, rotor runout or rotor deformation is occurred.

General Specifications

RDE-001824882

Unit: mm (in)

FOR NAO 31 SIZE MODELS

Front brake	Cylinder bore diameter	45.0 (1.77)
	Pad length × width × thickness	136.0 × 55.2 × 12.0 (5.35 × 2.173 × 0.47)
	Rotor outer diameter × thickness	350.0 × 30.0 (13.78 × 1.18)
Rear brake	Cylinder bore diameter	42.86 (1.6874)
	Pad length × width × thickness	83.8 × 37.2 × 9.0 (3.299 × 1.465 × 0.35)
	Rotor outer diameter × thickness	330.0 × 16.0 (12.99 × 0.63)
Control valve	Valve type	Electric brake force distribution
Recommended brake fluid		Refer to Recommended Fluid and Lubricants .

Unit: mm (in)

FOR NAO 36 SIZE MODELS

Front brake	Cylinder bore diameter	48.0 × 2 (1.89 × 2)
	Pad length × width × thickness	153.17 × 63.05 × 10.5 (6.03 × 2.482 × 0.39)
	Rotor outer diameter × thickness	364.0 × 30.0 (14.33 × 1.18)
Rear brake	Cylinder bore diameter	42.86 (1.6874)
	Pad length × width × thickness	83.8 × 37.2 × 9.0 (3.299 × 1.465 × 0.35)
	Rotor outer diameter × thickness	330.0 × 16.0 (12.99 × 0.63)
Control valve	Valve type	Electric brake force distribution
Recommended brake fluid		Refer to Recommended Fluid and Lubricants .

ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT : Service Data

RDE-001824880

Unit: mm (in)

Item	Standard
Input rod length	128.2 – 129.8 (5.05 – 5.11)

Sample