

# Your Ultimate Source for OEM Repair Manuals

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## 2015 NISSAN Note OEM Service and Repair Workshop Manual

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# PRECAUTIONS FOR DRIVE SHAFT: Precautions

RDE-001824709

Observe the following precautions when disassembling and assembling drive shaft.

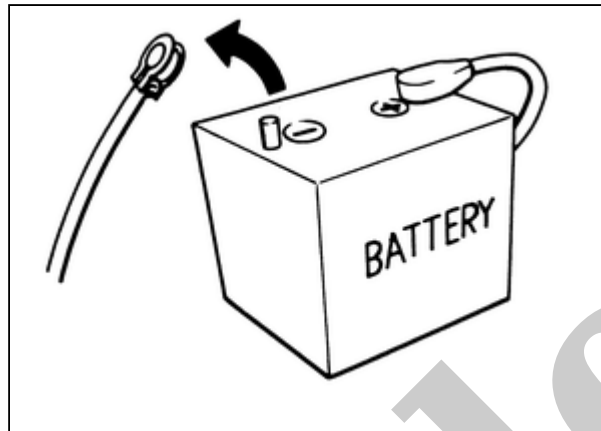
- Never disassemble joint sub-assembly because it is non-overhaul parts.
- Perform work in a location which is as dust-free as possible.
- Clean the parts, before disassembling and assembling.
- Prevent the entry of foreign objects during disassembly of the service location.
- Reassemble disassembled parts carefully in the correct order. If work is interrupted, a clean cover must be placed over parts.
- Use paper waste. Fabric shop cloths must not be used because of the danger of lint adhering to parts.
- Clean disassembled parts (except for rubber parts) with kerosene which shall be removed by blowing with air or wiping with paper waste.

Sample

# PRECAUTIONS FOR REMOVING BATTERY TERMINAL : Precautions

RDE-001941164

- With the adoption of Auto ACC function, ACC power is automatically supplied by operating the Intelligent Key or remote keyless entry or by opening/closing the driver side door. In addition, ACC power is supplied even after the ignition switch is turned to the OFF position, i.e. ACC power is supplied for a certain fixed time.
- When disconnecting the 12V battery terminal, turn off the ACC power before disconnecting the 12V battery terminal, observing “How to disconnect 12V battery terminal” described below.



RDE-001941164-01-EF289H



## NOTE:

ECU may be active for several minutes after the power switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- Always disconnect the battery terminal within 60 minutes after turning OFF the power switch. Even when the power switch is OFF, the 12V battery automatic charge control may automatically start after a lapse of 60 minutes from power switch OFF.
- Disconnect 12V battery terminal according to the following steps.

## CAUTION:

Do not remove the battery during the update as the software update cannot be completed normally if the battery is removed during the software update.

## WORK PROCEDURE

1. Open the hood (LHD models) or the back door (RHD models).
2. Check that charge cable (including EVSE) is not connected to the charge port.



## NOTE:

If charge cable (including EVSE) is connected, the air conditioning system may be automatically activated by the timer A/C function.

3. Turn the power switch OFF → ON → press the power switch for at least 2 seconds to turn the high voltage system OFF, and then check that the charging status indicator is not illuminated.



## NOTE:

When the high voltage system is turned ON, the charging status indicator blinks green with a frequency of 1 second.

4. Get out of the vehicle. Close all doors {except the hood (LHD models) or the back door (RHD models)}.
5. Check that the combination meter turns OFF and wait for 5 minutes or more.

**CAUTION:**

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.



**NOTE:**

If the battery is removed within 5 minutes after the power switch is turned OFF, plural DTCs may be detected.

6. Check that the followings are not illuminated.

- Charging status indicator
- Electric parking brake warning lamp

7. Remove 12V battery terminal within 60 minutes after the power switch is turned OFF at Step 3.

**CAUTION:**

- After all doors (including hood and back door) are closed, if a door (including hood and back door) is opened before battery terminals are disconnected, start over from Step 3.
- After turning the power switch OFF, if "Remote A/C" is activated by user operation, stop the air conditioner and start over from Step 3.



**NOTE:**

Once the power switch is turned ON → OFF, the 12V battery automatic charge control does not start for approximately 1 hour.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the power switch.



**NOTE:**

If the power switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.



**NOTE:**

The removal of 12V battery may cause a DTC detection error.

## FRONT WHEEL HUB AND KNUCKLE : Precautions

RDE-001932429

- Always tighten each mounting bolt and nut to the specified torque when they are cold.
- When performing removal or installation work, check for any foreign materials entered. If any, eliminate or clean them.
- Check that the wheel hub and bearing assemblies have no backlash and no jerky motion in rotation direction. When changing engine oil, be sure to check them with the road wheels removed.
- When performing inspections or before and after performance driving, check that wheel hub lock nut is not loose.

Sample

## OPERATION PROHIBITION

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### 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

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### 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

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### 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

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### 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.

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

RDE-001824710

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**

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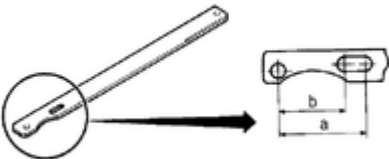
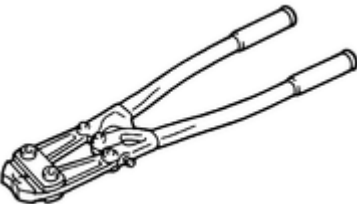
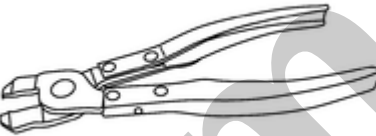

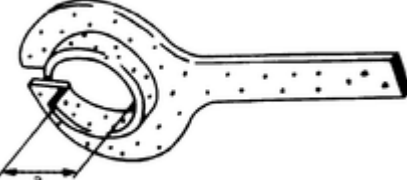
## **WARNING:**

Always observe the following items for preventing accidental activation:

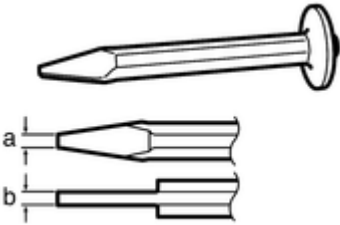
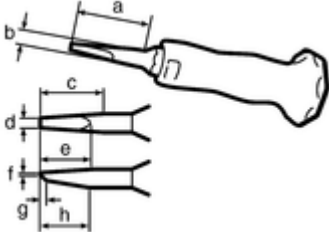
- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly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

# FRONT AXLE SYSTEM : Special Service Tools

RDE-001824712

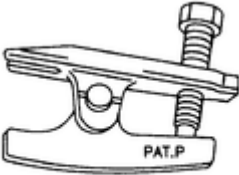
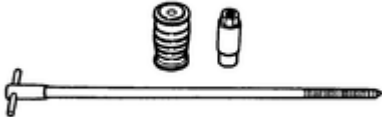
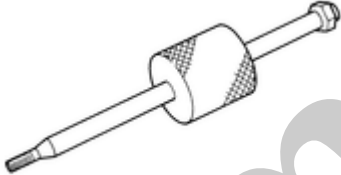
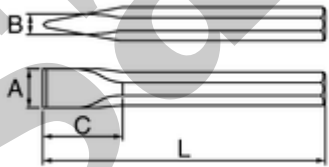
<b>Tool number</b>  <b>Tool name</b>		<b>Description</b>
KV40104000 Hub lock nut wrench a: 85 mm (3.35 in) b: 65 mm (2.56 in)	 <p style="text-align: center;">RDE-001824712-01-ZA0802D</p>	Removing and Installing wheel hub lock nut.
KV40107300 Boot band crimping tool	 <p style="text-align: center;">RDE-001824712-02-ZA1229D</p>	Installing boot band
KV40107310 Boot band crimping tool	 <p style="text-align: center;">RDE-001824712-03-SDIA6964ZZ</p>	Installing boot band
KV40107500 Drive shaft attachment	 <p style="text-align: center;">RDE-001824712-04-ZA1230D</p>	Removing drive shaft
KV38107900 Protector a: 32 mm (1.26 in) dia.	 <p style="text-align: center;">RDE-001824712-05-DIA1183J</p>	Installing drive shaft



Tool number	Description	
Tool name		
KV40108700 Lock nut crimp punch a: 5 mm (0.20 in) b: 7 mm (0.28 in)	 <p data-bbox="499 387 879 416">RDE-001824712-12-SDIA4419ZZ</p>	Installing wheel hub lock nut
KV40108800 Lock nut chisel a: 44.5 mm (1.752 in) b: 10 mm (0.39 in) dia. c: 31 mm (1.22 in) d: 4.5 mm (0.177 in) e: 26 mm (1.02 in) f: 0.4 mm (0.016 in) g: 4 mm (0.16 in) h: 24 mm (0.94 in)	 <p data-bbox="499 864 879 893">RDE-001824712-08-SDIA4420ZZ</p>	Removing wheel hub lock nut

# FRONT AXLE SYSTEM : Commercial Service Tools or/and Repair Part

RDE-001824711

Tool name		Description
Ball joint remover	 <p>RDE-001824711-03-T146</p>	Removing hub bolt
Drive shaft puller	 <p>RDE-001824711-01-PDIG0152ZZ</p>	Removing drive shaft joint sub assembly
Sliding hammer	 <p>RDE-001824711-04-ZA0023D</p>	Removing drive shaft
<p>Chisel</p> <p>A: 16 – 32 mm (0.63 – 1.26 in)</p> <p>B: 10 mm (0.39 in) or more</p> <p>C: 40 – 70 mm (1.57 – 2.76 in)</p> <p>L: 220 mm (7.87 in) or less</p> <p>S: 14 mm (0.55 in) or more</p>	 <p>RDE-001824711-02-SEIA0915ZZ</p>	Removing and installing steering knuckle and strut assembly