

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.

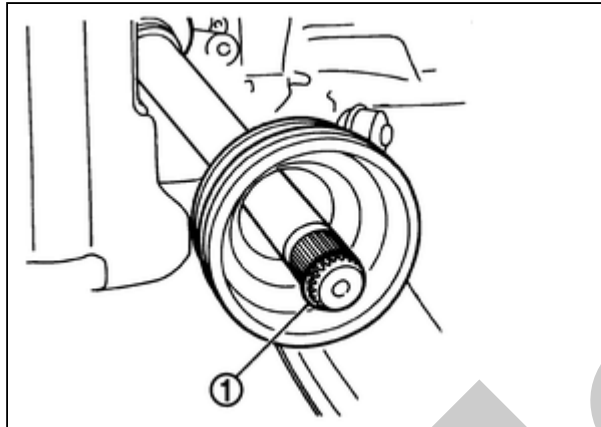
2015 Nissan NV200 Service and Repair Manual

[Go to manual page](#)

CAUTION:

- Align drive shaft puller and drive shaft and remove them by pulling firmly and uniformly.
- If joint sub-assembly cannot be pulled out, try after removing drive shaft from vehicle. Refer to [Disassembly & Assembly](#).

11 Remove circular clip ① from shaft.



RPR-001824725-03-PDIF0007ZZ

12 Remove boot from shaft.

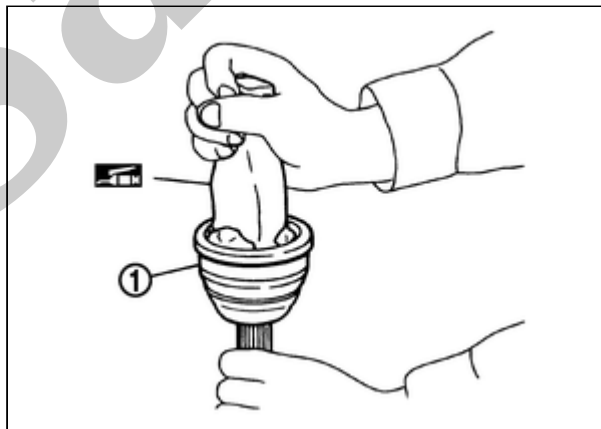
INSTALLATION

CAUTION:

When suspension component parts and steering component parts are removed, perform final tightening in the grounded state without load after installation of the component parts.

1 While rotating steel ball in the joint sub-assembly, clean the old grease adhering to the joint sub- assembly using a paper cloth.

2 Fill serration slot joint sub-assembly ① with NISSAN genuine grease or equivalent until the serration slot and ball groove become full to the brim.



RPR-001824725-04-PDIF0008ZZ

CAUTION:

After applying grease, use a paper cloth to wipe off old grease that has oozed out.

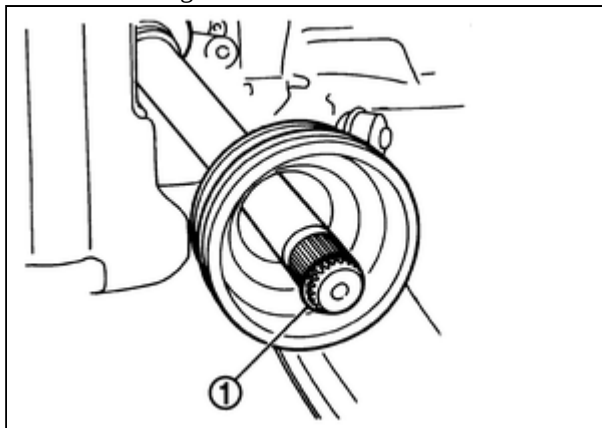
3 Install boot and boot bands to shaft.

CAUTION:

- Never reuse boot and boot band.
- Wrap serration on shaft with tape to protect the boot from damage.

4 Remove the tape wrapped around the serration on shaft.

5 Position the circular clip ① on groove at the shaft edge.



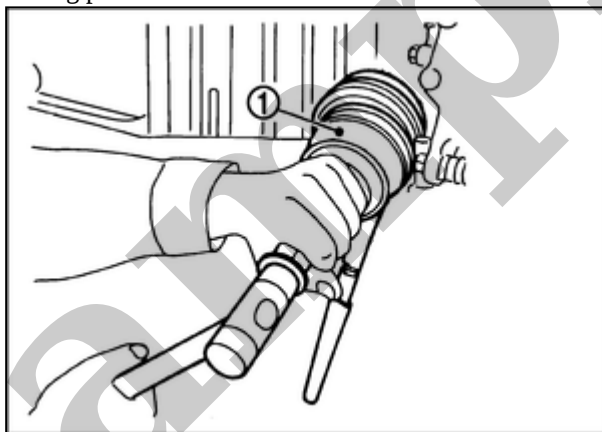
RPR-001824725-05-PDIF0007ZZ

CAUTION:

Never reuse circular clip.

6 Align both center axes of the shaft edge and joint sub-assembly. Then assemble shaft with joint sub-assembly holding circular clip with tip of screw driver.

7 Push joint sub-assembly ① into shaft using plastic hammer.



RPR-001824725-06-PDIF0011ZZ

WARNING:

Ensure that circular clip is properly engaged, otherwise the joint sub-assembly could pull away from shaft of housing assembly during vehicle operation resulting in loss of drive force and possible drive shaft damage, which may cause a crash and serious injury or damage the drive shaft.

8 Pull the joint sub-assembly in the axial direction away from transaxle assembly. Confirm that the joint sub assembly cannot be pulled out from shaft of housing assembly.

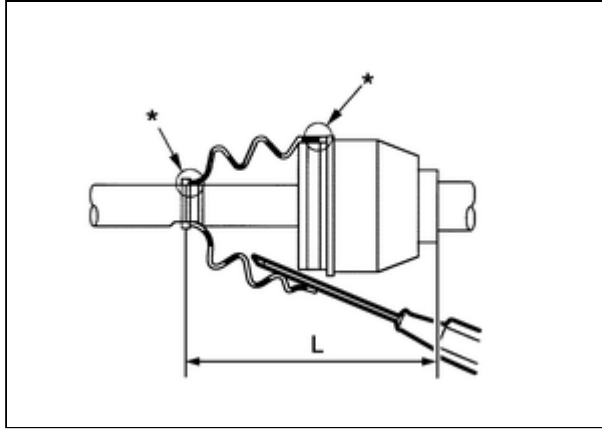
9 Fill into the joint sub-assembly inside with the remaining amount of grease from large diameter side of boot.

[Specified value](#)

[Total grease amount](#)

: [Refer to Service Data.](#)

10 Install the boot securely into grooves (indicated by “*”marks) shown in the figure.



RPR-001824725-14-PDIG0136ZZ

Specified value	
Boot mounting length (L)	: Refer to Service Data .

CAUTION:

If grease adheres to the boot mounting surface (indicated by “*” mark) on the shaft or joint subassembly, boot may be removed. Clean all grease from the boot mounting surface.

11 To prevent boot from deformation adjust boot installation length (L) to the specified value by inserting suitable tool into the inside of the boot from the large diameter side of boot and discharging inside air.

Specified value

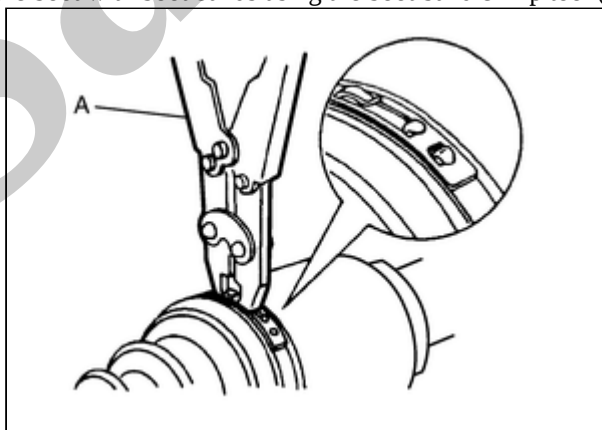
Length of boot (L)

: Refer to [Service Data](#).

CAUTION:

- If the boot mounting length exceeds the specified value, it may cause breakage of the boot.
- Be careful not to touch the inside of the boot with a tip of tool.

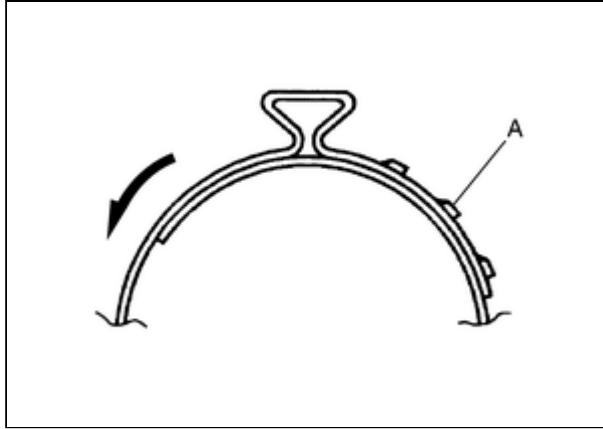
12 Secure the large and small ends of the boot with boot bands using the boot band crimp tool (A) (SST: KV40107300).



RPR-001824725-08-PDIF0012ZZ

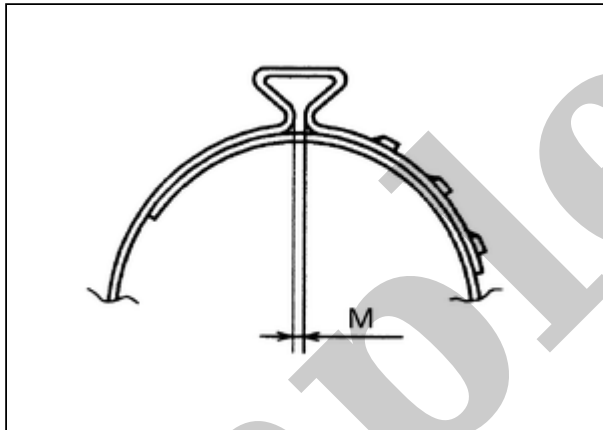
CAUTION:

- Never reuse boot band.
- Boot band claw (A) must be behind the drive direction (←) after assembling.



RPR-001824725-07-SDIA4267ZZ

- Install boot band so that staked area is as shown in the figure.



RPR-001824725-09-SF0047D

Specified value:

M

: 1.0 - 4.0 mm (0.04 - 0.16 in)

13 Check that misalignment does not occur when boot is rotated after fixing joint sub-assembly and shaft fixed.

CAUTION:

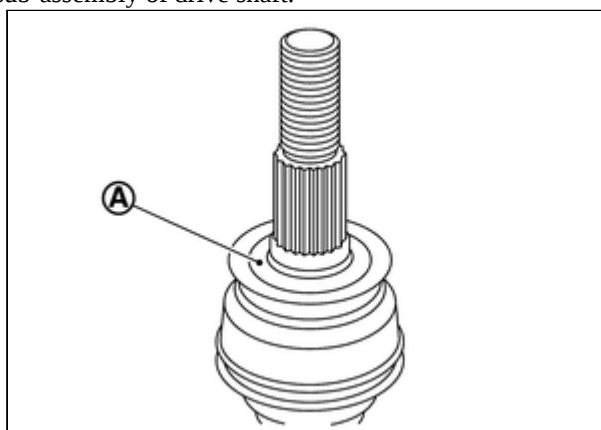
- Reinstall when misalignment occurs.
- Never reuse boot band.

14 Clean the matching surface of wheel hub lock nut and wheel hub assembly.

CAUTION:

Never apply lubricating oil to these matching surface.

15 Clean the matching surface of drive shaft and wheel hub assembly. And then apply specified amount of paste [service parts (440037S000)] to surface (A) of joint sub-assembly of drive shaft.



RPR-001824725-10-000312427

CAUTION:

Apply paste to cover entire flat surface of joint sub-assembly.

Specified value

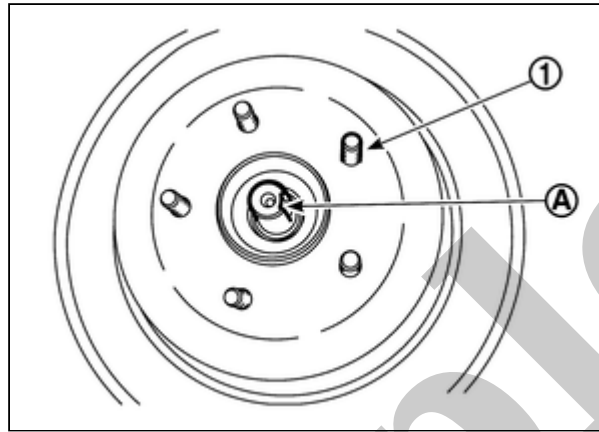
Amount paste

: 1.0 – 3.0 g (0.04 – 0.10 oz)

16 Insert drive shaft to wheel hub, and then temporarily tighten hub lock nut.

CAUTION:

Never align drive shaft staked area (A) and wheel hub bolts (1).



RPR-001824725-12-000312419

17 Install transverse link. Refer to [Removal & Installation](#).

18 Install steering outer socket to steering knuckle. Refer to [Removal & Installation](#).

19 Tighten wheel hub lock nut to the specified torque.

Specified tightening torque

: 205 – 230 N·m (21 – 23 kg·m, 151 – 170 ft·lb)

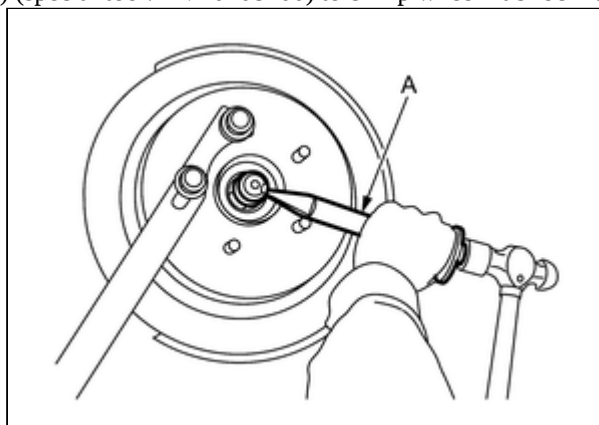
CAUTION:

- Since the drive shaft is assembled by press-fitting, use the tightening torque range for the wheel hub lock nut.
- Be sure to use torque wrench to tighten the wheel hub lock nut. Never use a power tool.
- Never reuse wheel hub lock nut.

**NOTE:**

When wheel hub lock nut tightening torque is above the specified range, abnormal axle noise may occur. And when the tightening torque is below the specified range, loosening may occur.

20 Use the locknut crimping punch (A) (special tool: KV40108700) to crimp wheel hub locknut onto the drive shaft.

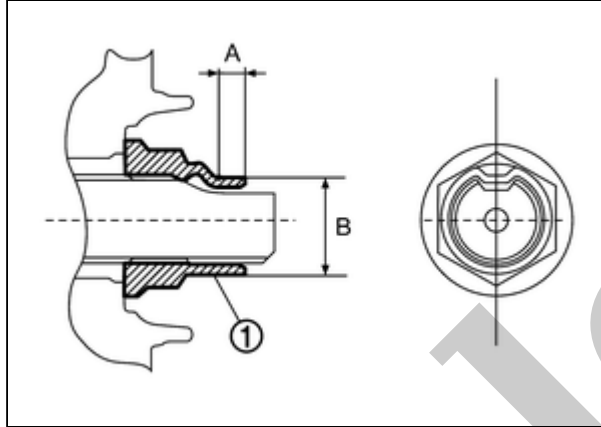


**NOTE:**

Wheel hub lock nut ① is staked within the following range.

A : 6.2 mm (0.244 in)

B : 26.4 – 27.8 mm (1.039 – 1.094 in)



RPR-001824725-13-000312430

21 Install tires to vehicle. Refer to [Removal & Installation](#).

22 Perform inspection after installation. Refer to [Inspection](#).

FRONT DRIVE SHAFT BOOT (REDUCTION GEAR SIDE) : Removal & Installation

RPR-001824719

Remove boot after drive shaft is removed from the vehicle.

- For drive shaft removal and installation, Refer to [Removal and Installation](#).
- For drive shaft disassembly and assembly, refer to [Disassembly and Assembly](#).

Sample

INSPECTION AFTER INSTALLATION

1 Check the following items, and replace the part if necessary.

- Check boots for deformation, cracks, grease leakage and other damage.
- Move joint up/down, left/right, and in the axial directions. Check for motion that is not smooth and for significant looseness.

2 Check wheel sensor harness for proper connection. Refer to [Exploded View](#).

3 Check the wheel alignment. Refer to [Inspection](#).

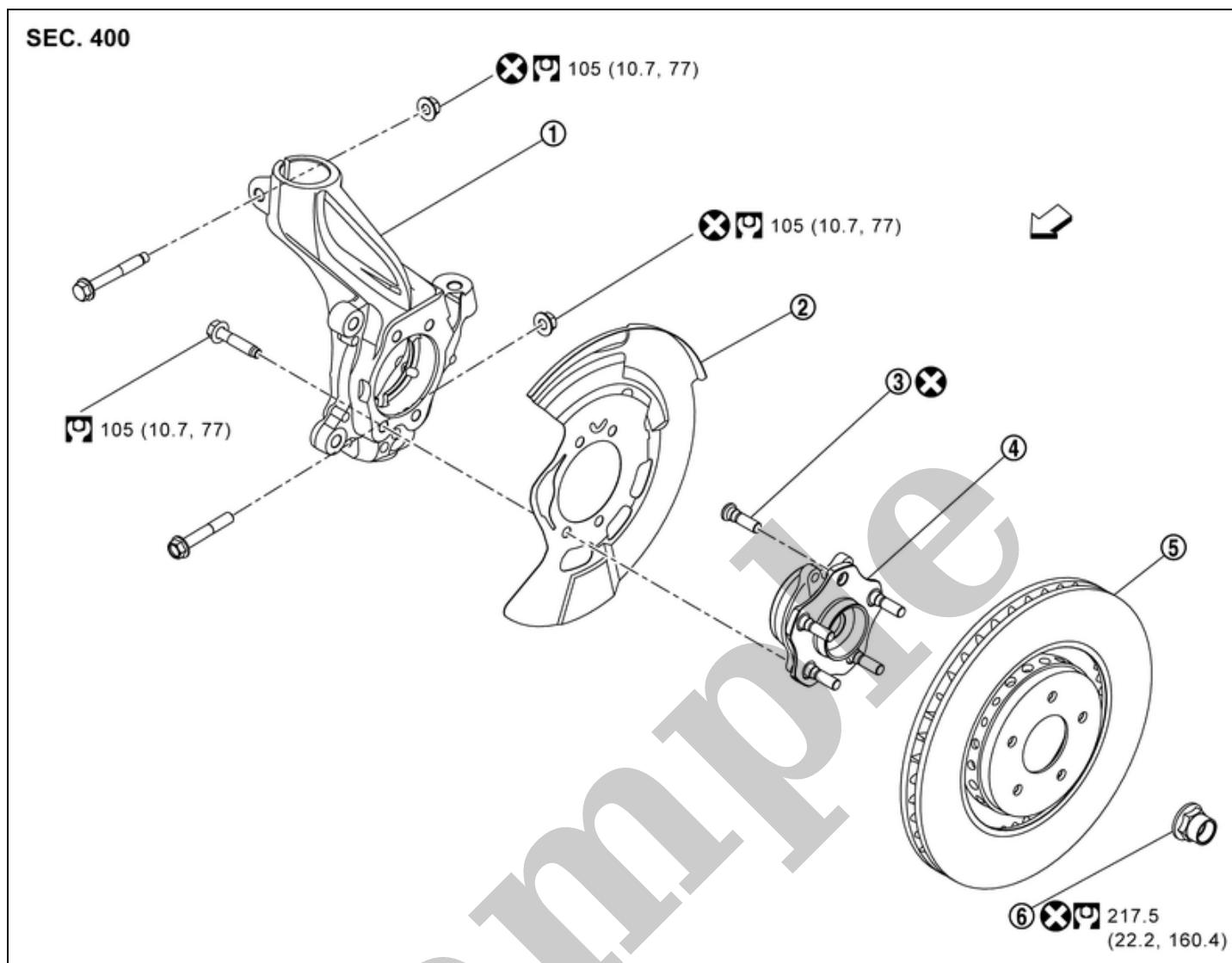
4 Adjust neutral position of steering angle sensor. Refer to [Work Procedure](#).

Sample

FRONT WHEEL HUB AND KNUCKLE : Exploded View

RDE-001824720

SEC. 400



RDE-001824720-02-000392368

①	Steering knuckle	②	Splash guard	③	Hub bolt
④	Wheel hub and bearing assembly	⑤	Disc rotor	⑥	Wheel hub lock nut
	: N·m (kg·m, ft·lb)				
	: Vehicle front				
	: Always replace after every disassembly.				