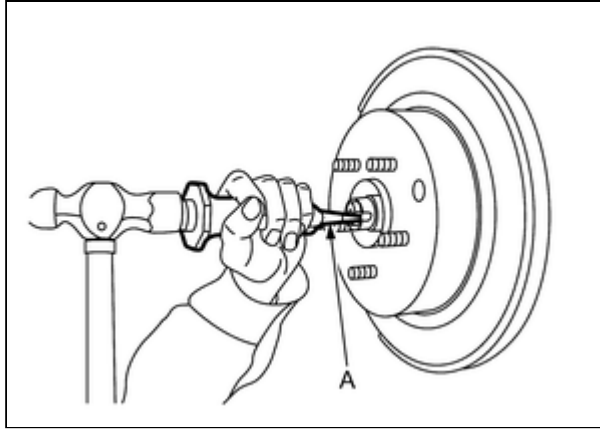


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2015 Nissan NV1500 Service and Repair Manual

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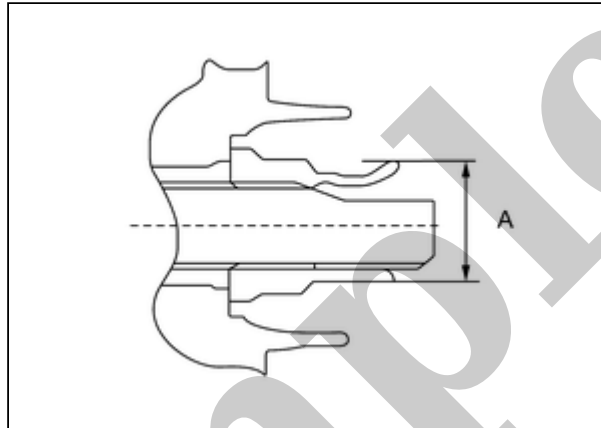


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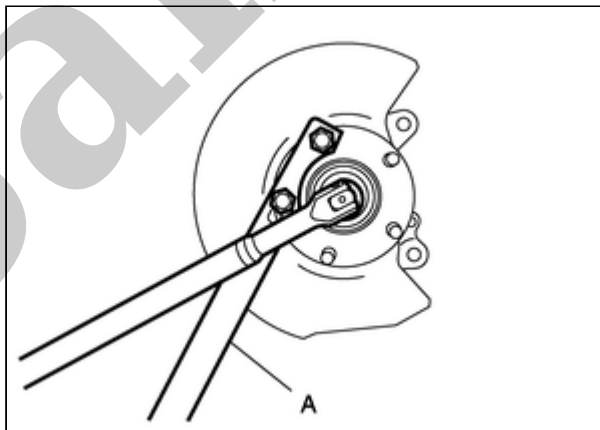
NOTE:

Released area (A) of wheel hub lock nut is 31 mm (1.22 in) or more.



RPR-001932103-06-000351568

8. Loosen wheel hub lock nut, using a hub lock nut wrench (SST: KV40104000) (A).

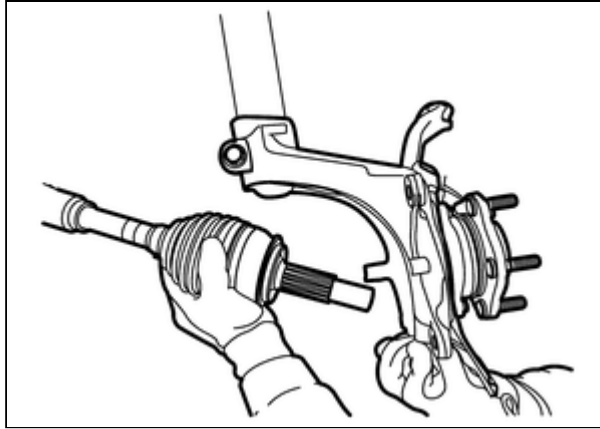


RPR-001932103-01-SDIA2708ZZ

CAUTION:

- Never use power tool.
- When rotation of locknut is not smooth during loosening, release staked area more for smooth rotation.
- Remove transverse link. Refer to [Removal & Installation](#).

9. Move steering knuckle and then separate connection of drive shaft and wheel hub assembly.

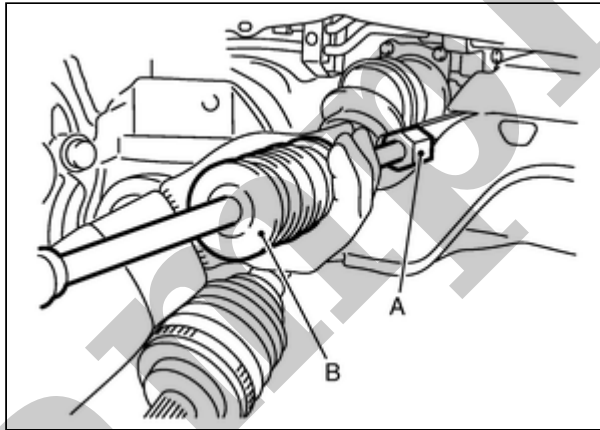


RPR-001932103-04-000312426

CAUTION:

- **Never place drive shaft joint at an extreme angle.**
- **Be careful not to overextend slide joint.**

10. Use the drive shaft attachment (SST: KV40107500) (A) and a sliding hammer (commercial service tool) (B) while inserting tip of the drive shaft attachment between shaft and reduction gear assembly, and then remove drive shaft from reduction gear assembly.



RPR-001932103-02-PDIF0004ZZ

CAUTION:

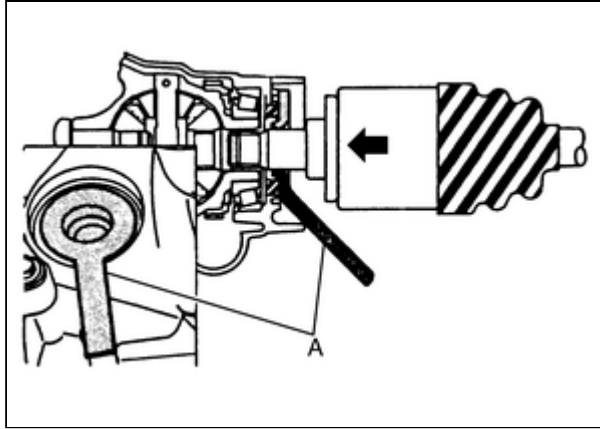
- **Never place driveshaft joint at an extreme angle.**
- **Be careful not to overextend slide joint.**
- **Confirm that the circular clip is attached to the driveshaft.**

11. Perform inspection after removal. Refer to [Inspection](#).

INSTALLATION

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

- Replace side oil seal of reducer. Refer to [Removal & Installation](#).
- When inserting drive shaft, attach a protector (special tool: KV38107900) (A) to oil seal to prevent damage to the side oil seal of the reducer. Then, insert drive shaft and slide the slide joint of drive shaft like a hammering to securely install it.



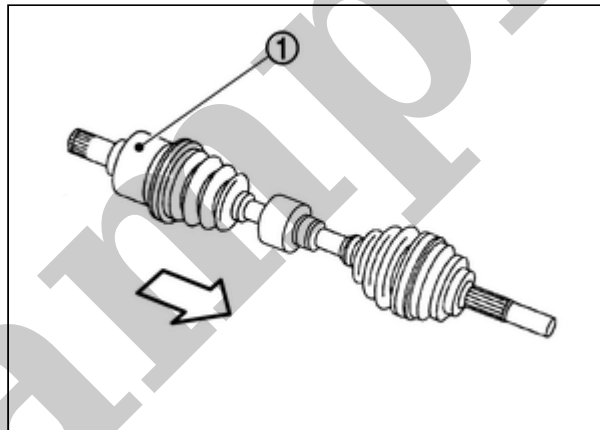
RPR-001932103-09-PDIF0023ZZ

WARNING:

Check that circlip is properly engaged. Improper engagement can cause housing assembly to remove from the reducer while vehicle is running, leading to damage to drive shaft, loss of driving force, accidents, and serious injury.

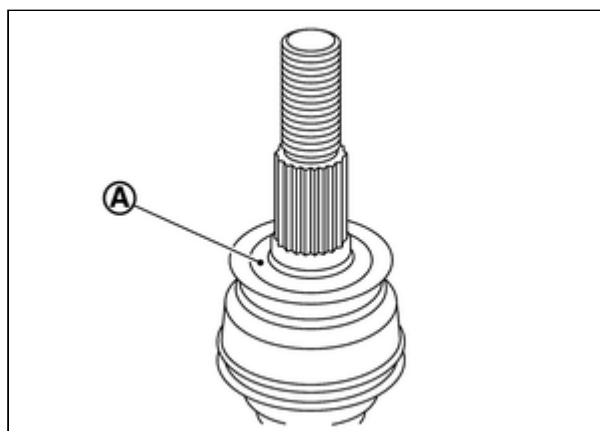
CAUTION:

- To check that circlip is properly engaged, make sure that the drive shaft does not come off even when housing ① of the drive shaft is held and pulled toward the axle (→).



RPR-001932103-18-SDIB0898ZZ

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



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CAUTION:

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

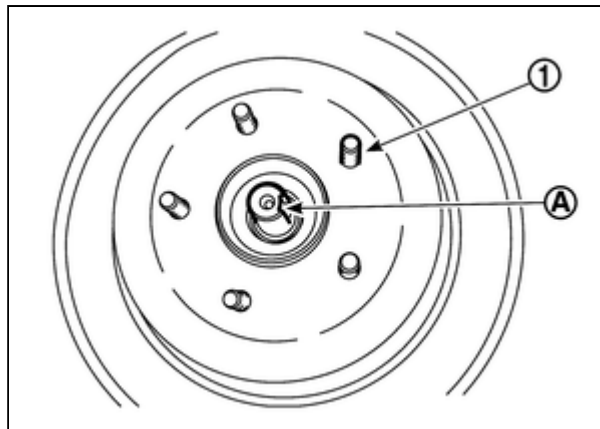
Amount paste

1.0 – 3.0 g (0.04 – 0.10 oz)

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

CAUTION:

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



RPR-001932103-10-000312419

- Never use a power tool to tighten wheel hub lock nut.

- Install transverse link. Refer to [Removal & Installation](#).
- Install steering outer socket to steering knuckle. Refer to [Exploded View](#).
- Install disc rotor.

CAUTION:

When reuse disc rotor, install disc to align with align mark put during removal.

- Install torque member and brake caliper to steering knuckle. Refer to [Exploded View](#).
- Install lock plate to strut. Refer to [Exploded View](#).
- Install wheel sensor to steering knuckle. Refer to [Exploded View](#).
- Tighten wheel hub lock nut to the specified torque.

Specified tightening torque

: 205 – 230 N·m (21 – 23 kg-m)

CAUTION:

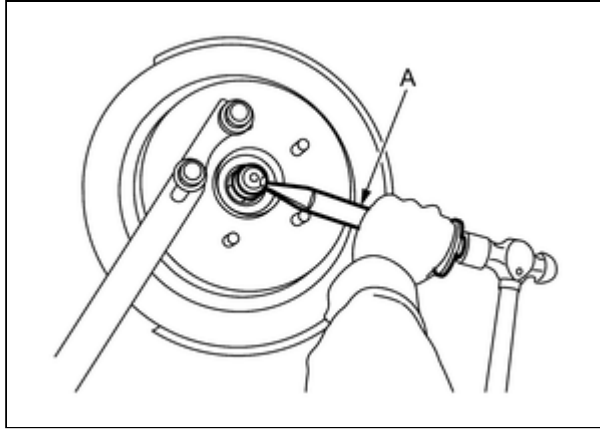
- Since the drive shaft is assembled by press-fitting, use the tightening torque range for the wheel hub lock nut.
- Be sure to use torque wrench to tighten the wheel hub lock nut. Never use a power tool.
- Never reuse wheel hub lock nut.



NOTE:

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.

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



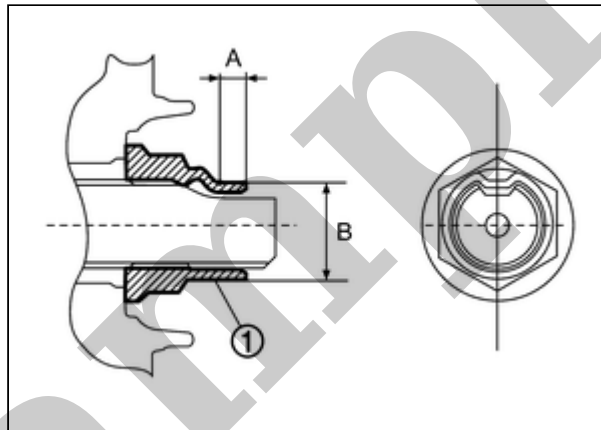
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NOTE:

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-001932103-19-000312430

- When reuse disc rotor, install disc to align with align mark put during removal.
- 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.
- Refill oil in reducer. Refer to [Refilling](#).
- Perform inspection after installation. Refer to [Inspection](#).

Wheel Side

Disassembly

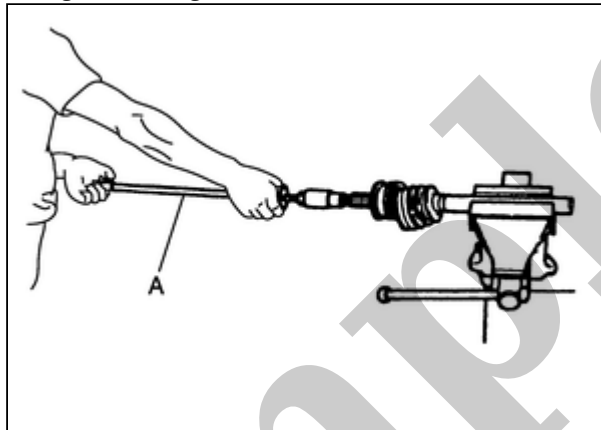
1 Fix shaft with a vise.

CAUTION:

Protect shaft using aluminum or copper plates when fixing with a vise.

2 Remove boot bands, and then remove boot from joint sub-assembly.

3 Screw drive shaft puller (A) (commercial service tool) into screw part of joint sub-assembly to a length of 30 mm (1.18 in) or more. Pull out joint sub-assembly from shaft during hammering.



RPR-001932104-03-PDIG0151ZZ

CAUTION:

- If joint sub-assembly cannot be removed after five or more unsuccessful attempts, replace drive shaft assembly.
- Align drive shaft puller and drive shaft and remove them by pulling firmly and uniformly.

4 Remove circular clip from shaft.

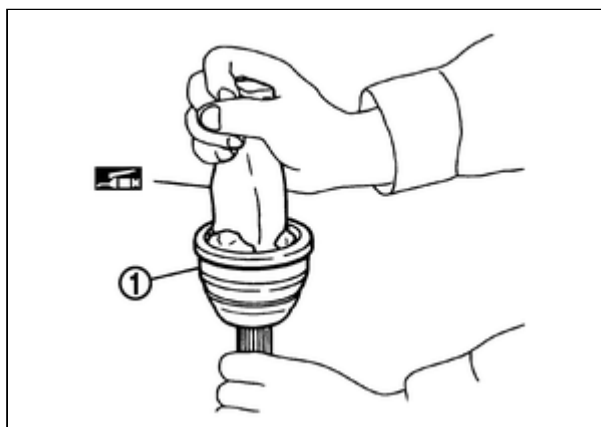
5 Remove boot from shaft.

6 Perform inspection after removal. Refer to [Inspection](#).

Assembly

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.



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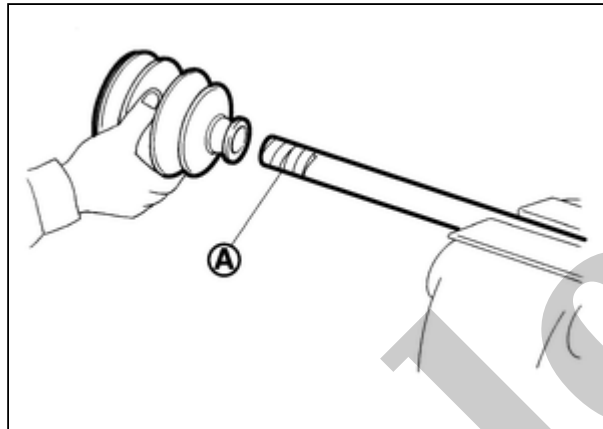
CAUTION:

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

3 Install boot and boot bands to shaft.

CAUTION:

- Wrap serration on shaft with tape **(A)** to protect the boot from damage.

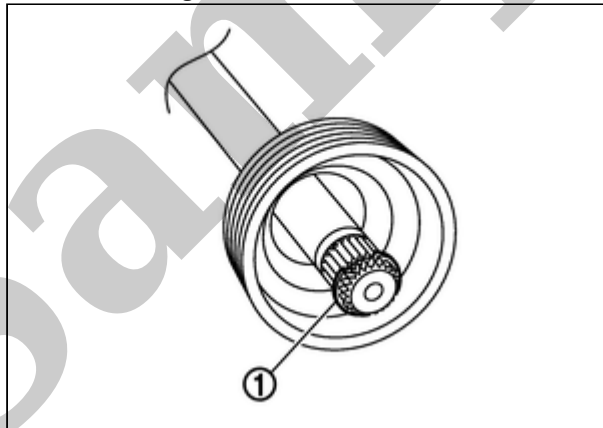


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- Never reuse boot bands and boot.

4 Remove the tape wrapped around the serration on shaft.

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



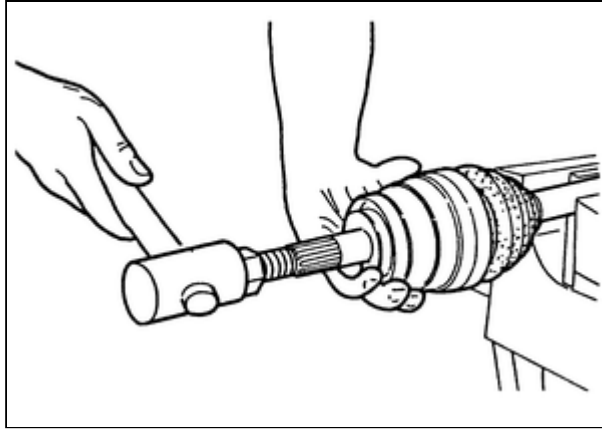
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CAUTION:

Never reuse circular clip.

6 Align both center axles 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 into shaft using plastic hammer.



RPR-001932104-19-AC0049D

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.

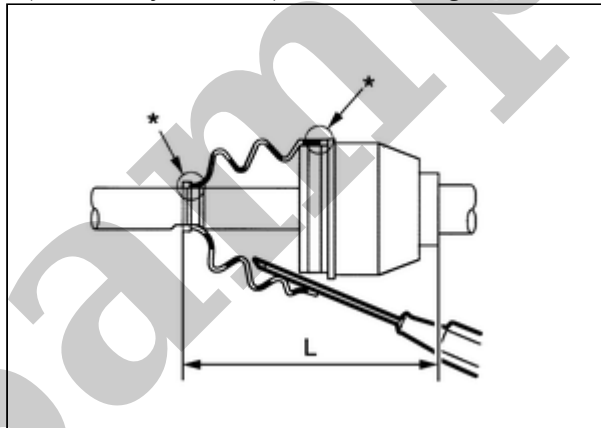
8 Pull the joint sub-assembly in the axial direction away from transaxle assembly. Confirm that the joint sub assembly cannot be pulled out from shaft.

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

Total grease amount

: Refer to [Service Data](#).

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



RPR-001932104-06-PDIF0222ZZ

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

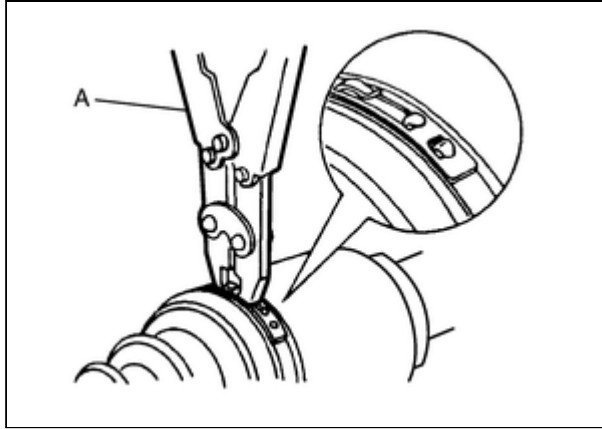
Length of boot (L)

: 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.

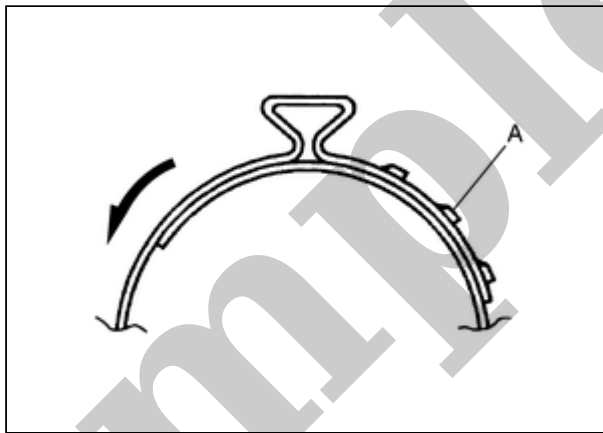
12 Secure the large and small ends of the boot with boot bands using the boot band crimp tool (A) (SST: KV40107300).



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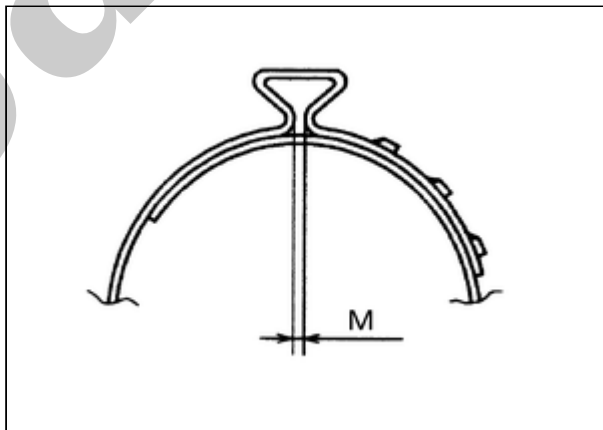
CAUTION:

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



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



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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.