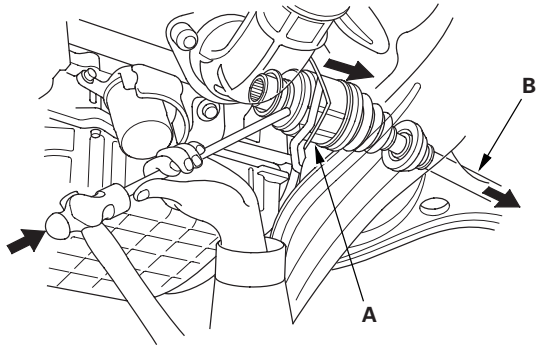


Driveline/Axle

Driveshaft Removal (cont'd)

10. Right driveshaft: Drive the inboard joint (A) off of the intermediate shaft using a drift and a hammer. Remove the driveshaft as an assembly.

NOTE: Do not pull on the driveshaft (B), or the inboard joint may come apart. Pull the driveshaft straight out to avoid damaging the oil seal.



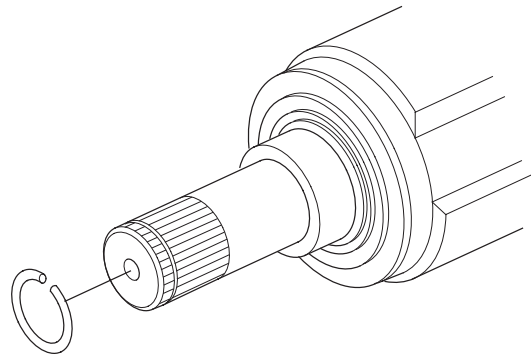
Driveshaft Disassembly

Special Tools Required

- Threaded adapter, 26 x 1.5 mm 07XAC-001030A
- Slide hammer, 5/8"-18 UNF, commercially available
- Puller, commercially available
- Boot band pliers, commercially available

Inboard Joint Side

1. Remove the set ring from the inboard joint.

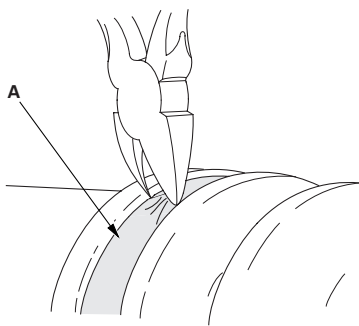




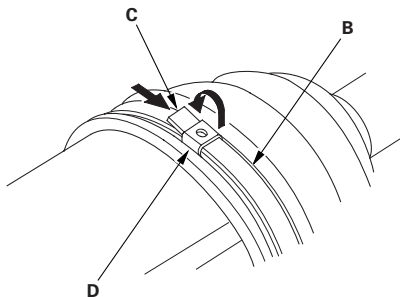
2. Remove the boot bands. Be careful not to damage the boot and dynamic damper.

- If the boot band is a welded type (A), cut the boot band.
- If the boot band is a double loop type (B), lift up the band end (C), and push it into the clip (D).
- If the boot band is a low profile type (E), pinch the boot band using commercially available boot band pliers (F).

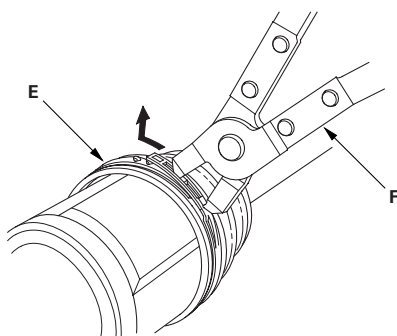
Welded type



Double loop type

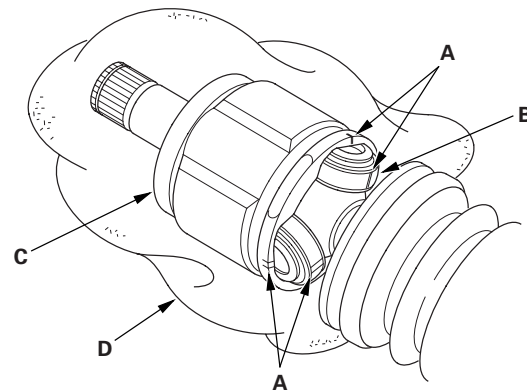


Low profile type



3. Make marks (A) on each roller (B) and the inboard joint (C) to identify the locations of the rollers to the grooves in the inboard joint. Then remove the inboard joint on a clean shop towel (D). Be careful not to drop the rollers when separating them from the inboard joint.

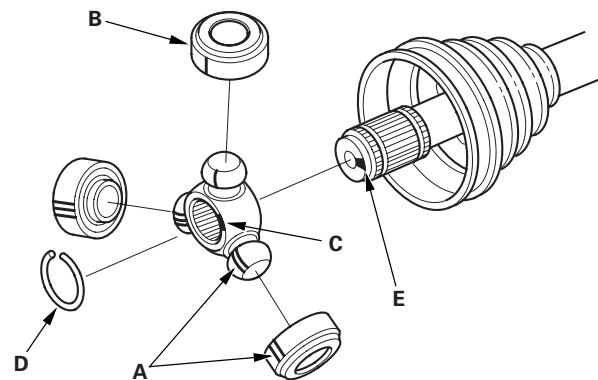
NOTE: Do not engrave or scribe any marks on the rolling surface.



4. Make marks (A) on the rollers (B) and the spider (C) to identify the locations of the rollers on the spider, then remove the rollers.

NOTE:

- Do not engrave or scribe any marks on the rolling surface.
- If necessary, use a commercially available puller.



5. Remove the circlip (D).

6. Mark the spider and driveshaft (E) to identify the position of the spider on the shaft.

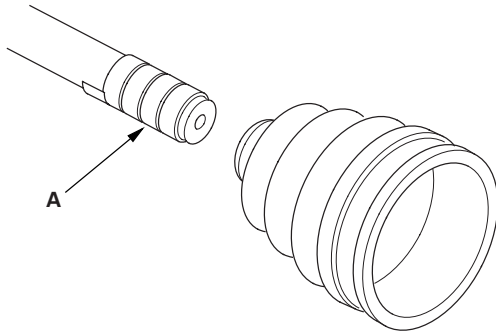
7. Remove the spider.

(cont'd)

Driveline/Axle

Driveshaft Disassembly (cont'd)

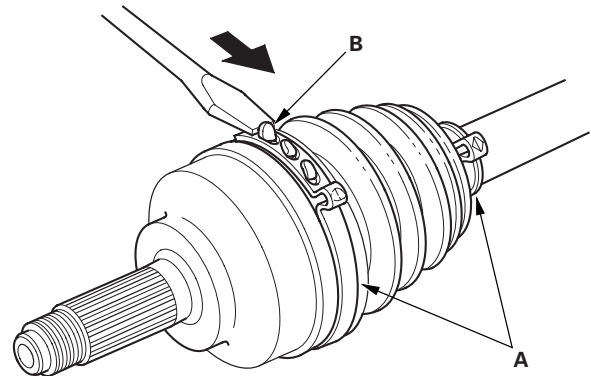
8. Wrap the splines on the driveshaft with vinyl tape (A) to prevent damage to the boot.



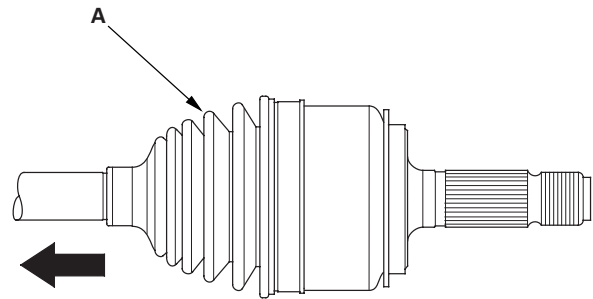
9. Remove the inboard boot. Be careful not to damage the boot.
10. Remove the vinyl tape.

Outboard Joint Side

1. Remove the boot bands (A). Lift up the three tabs (B) with a screwdriver. Be careful not to damage the boot.

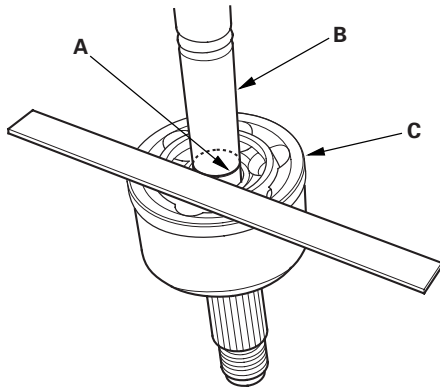


2. Slide the outboard boot (A) partially to the inboard joint side. Be careful not to damage the boot.

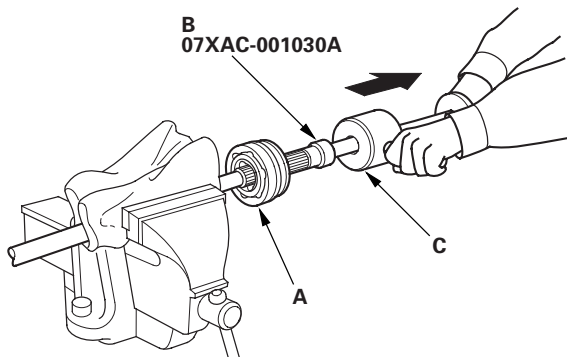




3. Wipe off the grease to expose the driveshaft and the outboard joint inner race.
4. Make a mark (A) on the driveshaft (B) at the same level as the outboard joint rim (C).

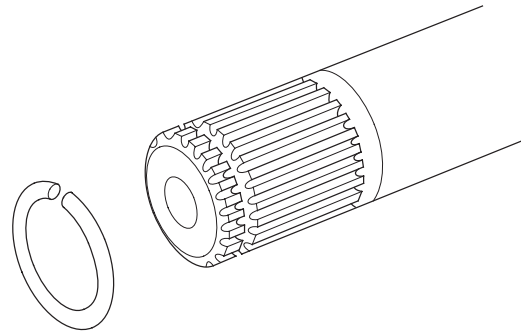


5. Securely clamp the driveshaft in a bench vise with a shop towel.
6. Remove the outboard joint (A) using the 26 x 1.5 mm threaded adapter (B) and a commercially available 5/8"-18 UNF slide hammer (C).

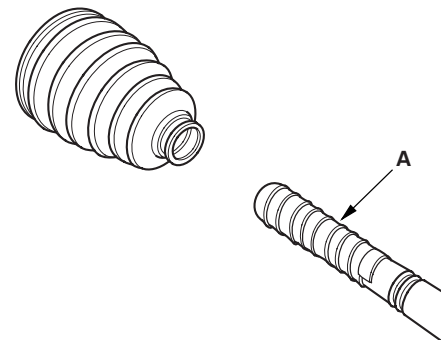


7. Remove the driveshaft from the bench vise.

8. Remove the stop ring from the driveshaft.



9. Wrap the splines on the driveshaft with vinyl tape (A) to prevent damaging the boot.



10. Remove the outboard boot. Be careful not to damage the boot.

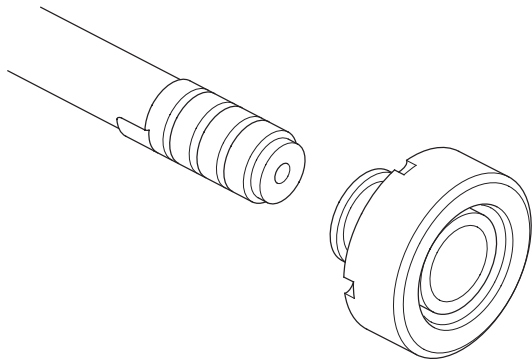
11. Remove the vinyl tape.

Driveline/Axle

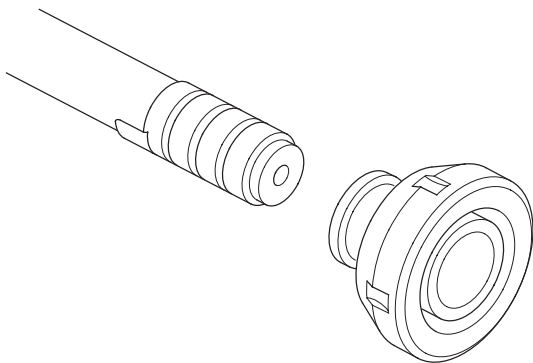
Dynamic Damper Replacement

1. Remove the inboard joint (see page 16-6).
2. Remove the dynamic damper band (see step 2 on page 16-7).
3. Remove the dynamic damper.

Left driveshaft



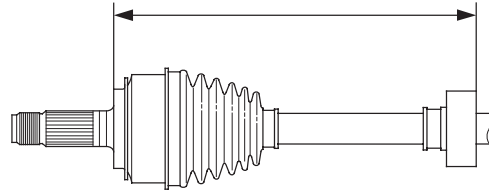
Right driveshaft



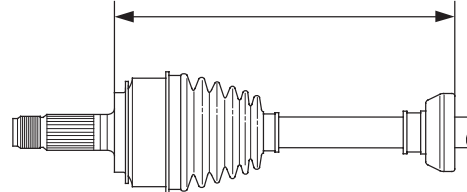
4. Install the new dynamic damper and adjust the position of the new dynamic damper to these measurements.

NOTE: Be careful not to swap the dynamic dampers. The right and left dynamic dampers are different.

Left driveshaft: 298.5—303.5 mm (11.75—11.94 in.)



Right driveshaft: 292.5—297.5 mm (11.51—11.71 in.)

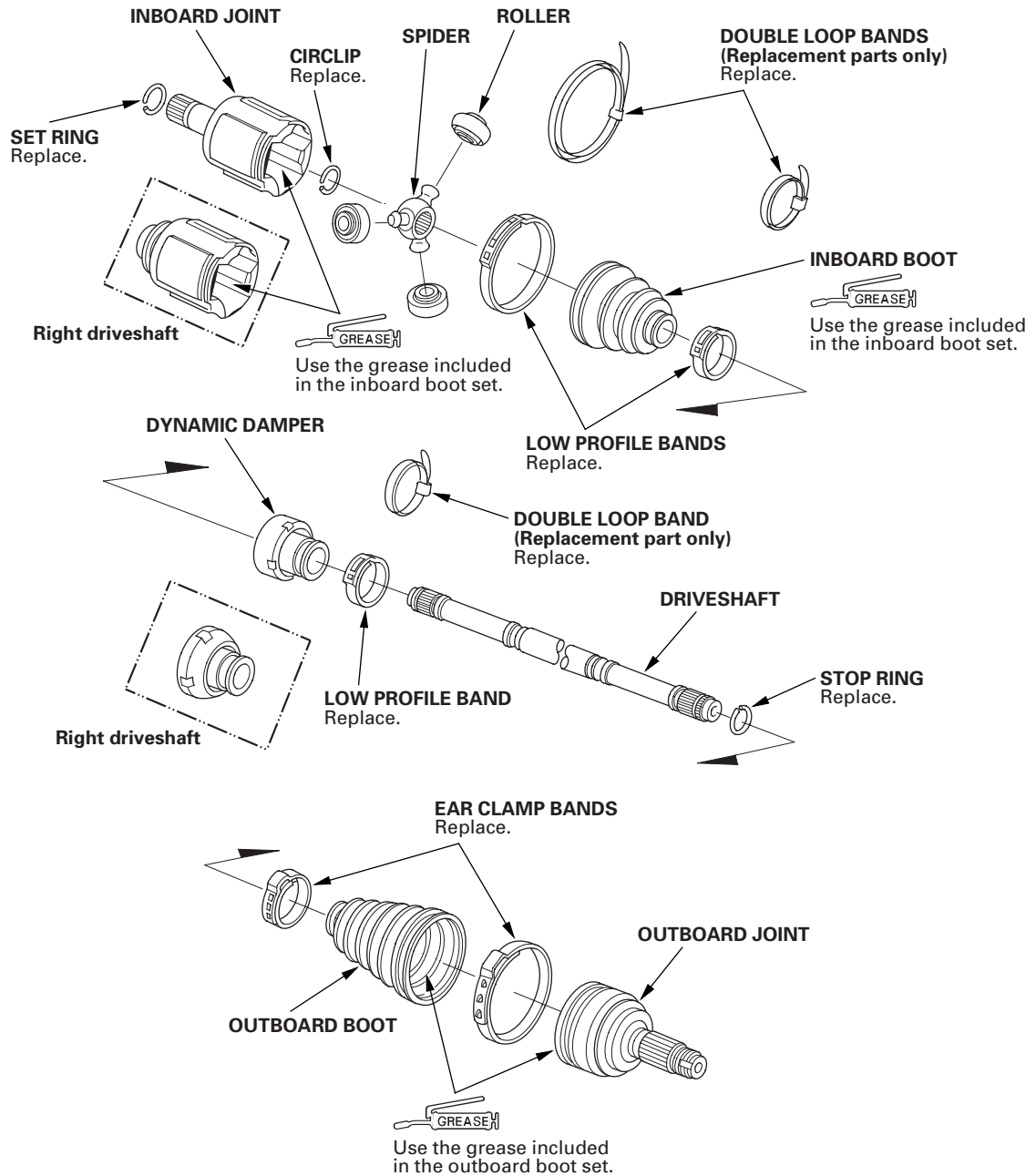


5. Install the dynamic damper band (see step 10 on page 16-14).
6. Install the inboard joint (see page 16-12).



Driveshaft Reassembly

Exploded View



(cont'd)

Driveline/Axle

Driveshaft Reassembly (cont'd)

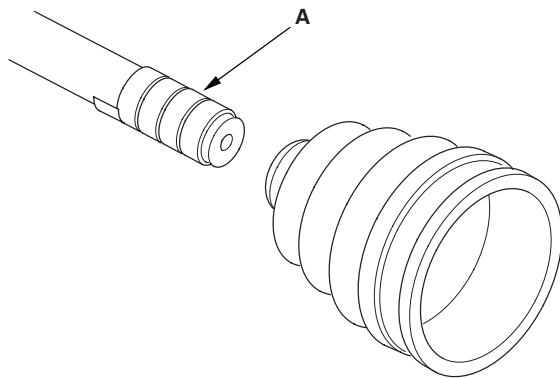
Special Tools Required

- Boot band tool, KD-3191 or equivalent, commercially available
- Boot band pliers, Kent-Moore J-35910 or equivalent, commercially available

NOTE: Refer to the Exploded View, as needed, during this procedure.

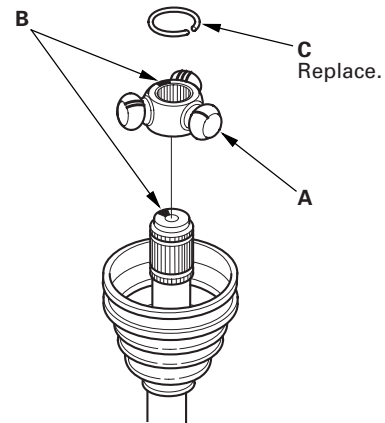
Inboard Joint Side

1. Wrap the splines with vinyl tape (A) to prevent damage to the inboard boot.



2. Install the inboard boot onto the driveshaft, then remove the vinyl tape. Be careful not to damage the inboard boot.

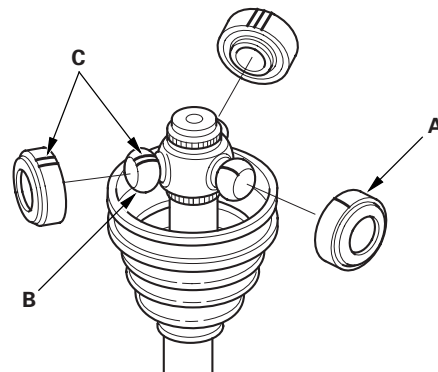
3. Install the spider (A) onto the driveshaft by aligning the marks (B) you made on the spider and the end of the driveshaft.



4. Install a new circlip (C) into the driveshaft groove. Always rotate the circlip in its groove to make sure it is fully seated.

5. Fit the rollers (A) onto the spider (B) with the high shoulders facing outward and note these items:

- Reinstall the rollers in their original positions on the spider by aligning the marks (C) you made.
- Hold the driveshaft pointed up to prevent the rollers from falling off.





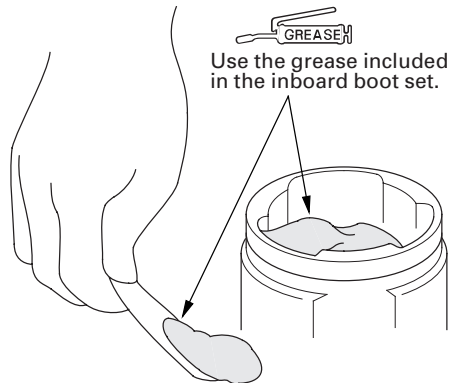
6. Pack the inboard joint with the joint grease included in the new inboard boot set.

Grease quantity

Inboard joint:

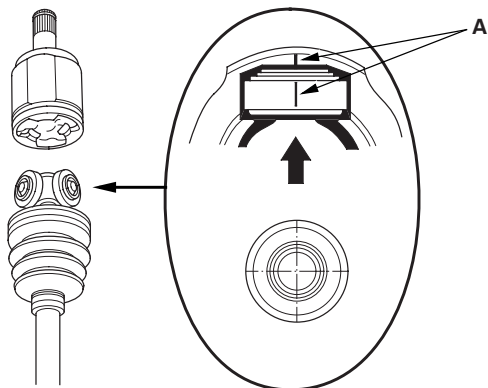
A/T model: 130–140 g (4.6–4.9 oz)

M/T model: 150–160 g (5.3–5.6 oz)

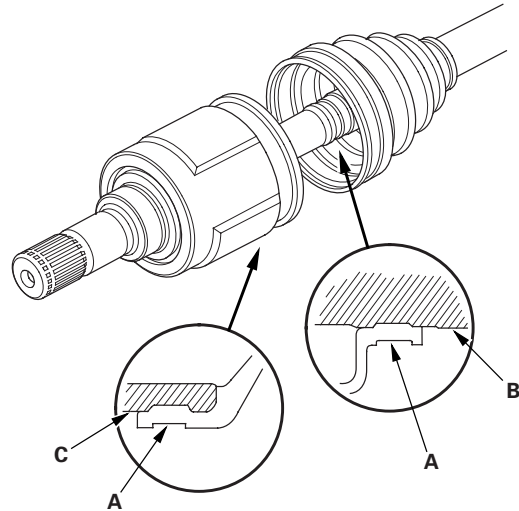


7. Fit the inboard joint onto the driveshaft and note these items:

- Reinstall the inboard joint onto the driveshaft by aligning the marks (A) you made on the inboard joint and the rollers.
- Hold the driveshaft so the inboard joint is pointing up to prevent it from falling off.



8. Fit the boot ends (A) onto the driveshaft (B) and the inboard joint (C).



(cont'd)

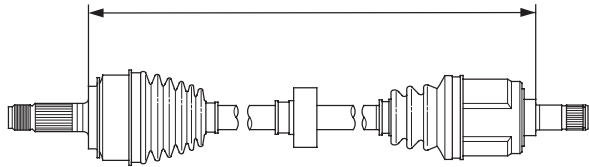
Driveline/Axle

Driveshaft Reassembly (cont'd)

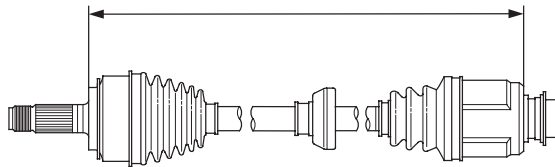
- Adjust the length of the driveshafts to the figure as shown, then adjust the boots to halfway between full compression and full extension. Bleed excess air from the boots by inserting a flat-tipped screwdriver between the boot and the joint.

M/T model

Left driveshaft: 554—559 mm (21.81—22.01 in.)

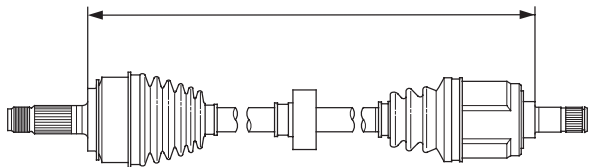


Right driveshaft: 480—485 mm (18.90—19.09 in.)

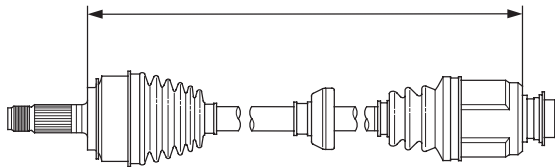


A/T model

Left driveshaft: 554—559 mm (21.81—22.01 in.)

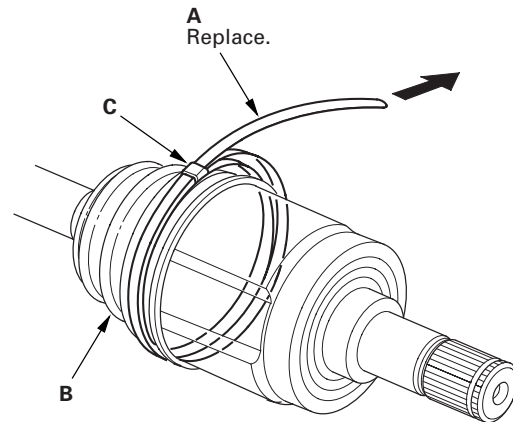


Right driveshaft: 477—482 mm (18.78—18.98 in.)

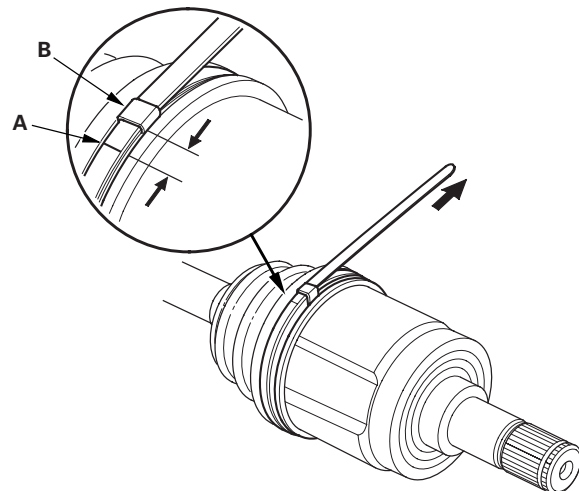


- Fit the boot ends onto the driveshaft and the inboard joint, then install a new double loop band (A) onto the boot (B).

NOTE: Pass the end of the new double loop band through the clip (C) twice in the direction of the forward rotation of the driveshaft.

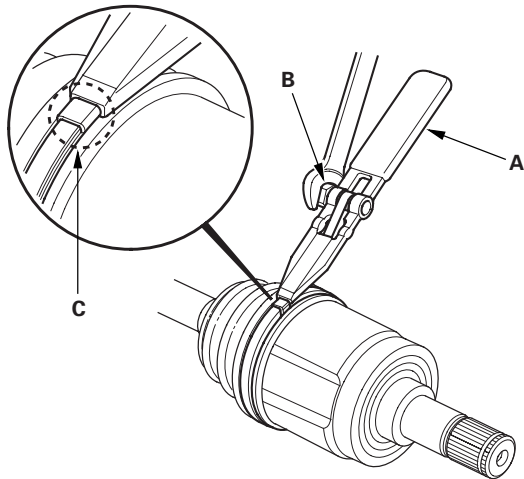


- Pull up the slack in the band by hand.
- Mark position (A) on the band 10—14 mm (0.4—0.6 in.) from the clip (B).

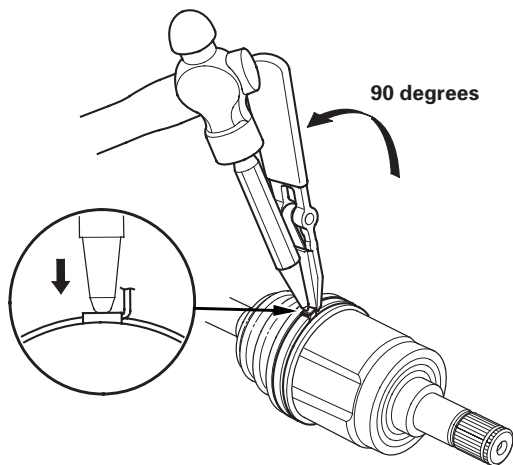




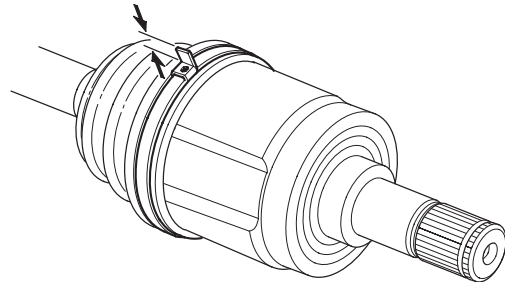
13. Thread the free end of the band through the nose section of the commercially available boot band tool KD-3191 or equivalent (A), and into the slot on the winding mandrel (B).



14. Using a wrench on the winding mandrel of the boot band tool, tighten the band until the marked spot (C) on the band meets the edge of the clip.
15. Lift up the boot band tool to bend the free end of the band 90 degrees to the clip. Center-punch the clip, then fold over the remaining tail onto the clip.



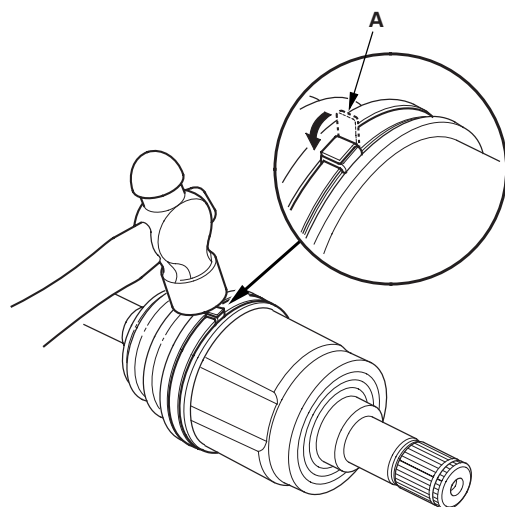
16. Unwind the boot band tool, and cut off the excess free end of the band to leave a 5–10 mm (0.2–0.4 in.) tail protruding from the clip.



17. Bend the band end (A) by tapping it down with a hammer.

NOTE:

- Make sure the band and the clip do not interfere with anything on the vehicle and the band does not move.
- Clean any grease remaining on the surrounding surfaces.



18. Repeat steps 10 through 17 for the band on the other end of the boot.

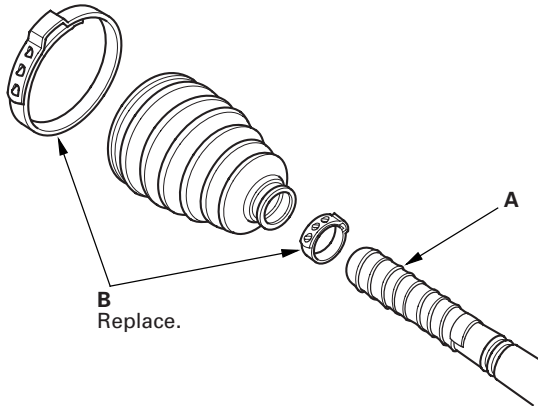
(cont'd)

Driveline/Axle

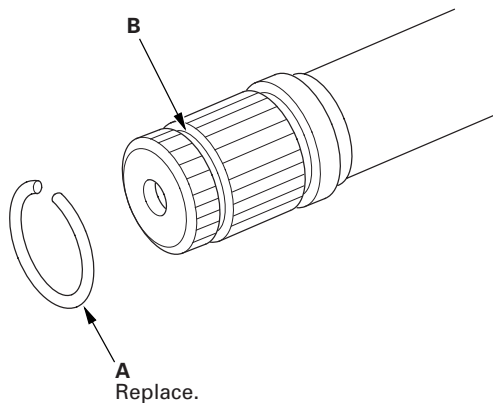
Driveshaft Reassembly (cont'd)

Outboard Joint Side

1. Wrap the splines with vinyl tape (A) to prevent damaging the outboard boot.



2. Install the new ear clamp bands (B) and outboard boot, then remove the vinyl tape. Be careful not to damage the outboard boot.
3. Install a new stop ring (A) in the driveshaft groove (B).



4. Pack about 35 g (1.2 oz) grease included in the new outboard boot set into the driveshaft hole in the outboard joint.

NOTE: If you are installing a new outboard joint, the grease is already installed.



5. Insert the driveshaft (A) into the outboard joint (B) until the stop ring (C) is close to the joint.

