

7. Remove the tie rod from the steering knuckle.



AF896D

8. Remove the cap screw and lock nut securing the lower shock eyelet to the upper A-arm. Discard the lock nut.

■ **NOTE:** Never reuse a lock nut. Once a lock nut has been removed, it must be replaced with a new lock nut.

9. Remove the cap screw securing the upper A-arm ball joint to the steering knuckle; then disengage the ball joint from the knuckle.
10. While holding the drive axle stationary, pull the top of the steering knuckle out and down until it is free of the drive axle.
11. Place a drain pan under the ATV to contain any oil leakage; then using a slide hammer, remove the drive axle.



AF899D

CLEANING AND INSPECTING

■ **NOTE:** Always clean and inspect the drive axle components to determine if any service or replacement is necessary.

1. Using a clean towel, wipe away any oil or grease from the axle components.



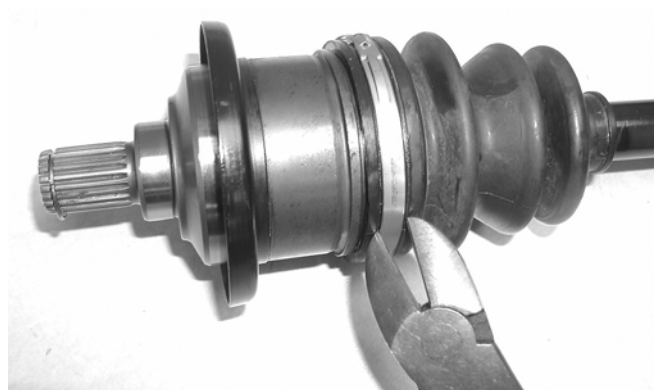
CD019

2. Inspect boots for any tears, cracks, or deterioration.

■ **NOTE:** If a boot is damaged in any way, it must be replaced with a boot kit.

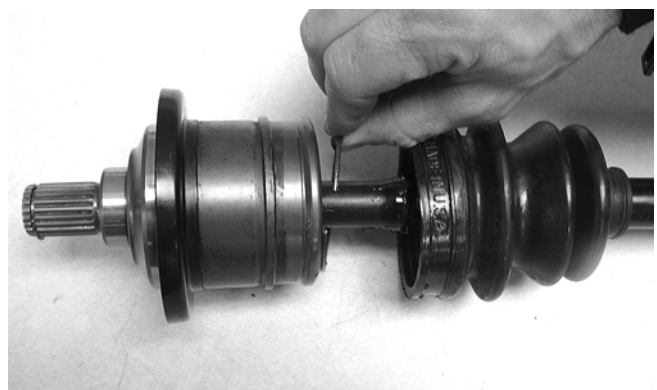
DISASSEMBLING AXLES

1. Using a side-cutters (or suitable substitute), remove the large clamp from the boot.



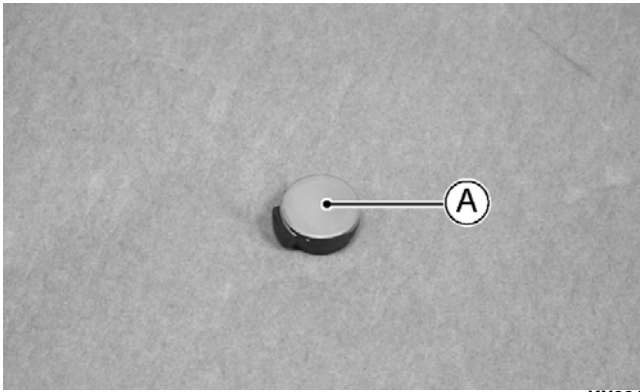
CD020

2. Wipe away excess grease to access the retaining ring. Using an awl or circlip pliers, remove the circlip.



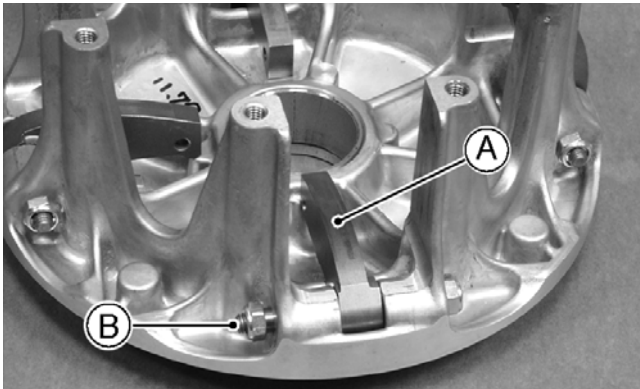
CD021

3. Using a snapping pliers, remove the circlip securing the bearing ring to the shaft. Note the direction of the bearing for assembling purposes.



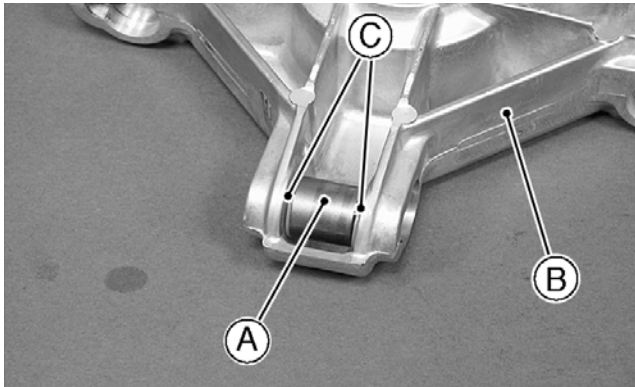
KX291

3. Inspect the ramp weights (A) and pins (B) in the movable sheave. Replace any worn parts.



KX292

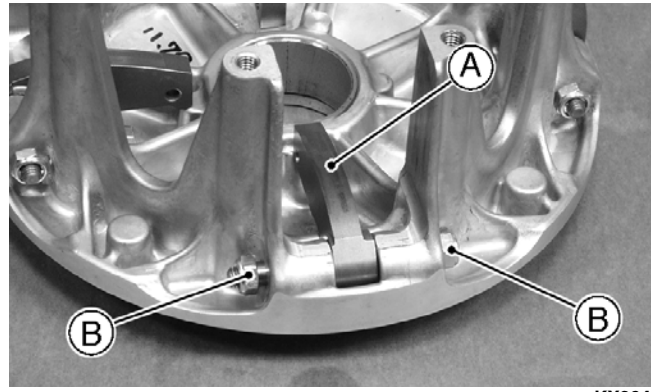
4. Inspect the rollers (A) and washers (C) in the spider. If they are worn, replace the spider assembly (B).



KX293

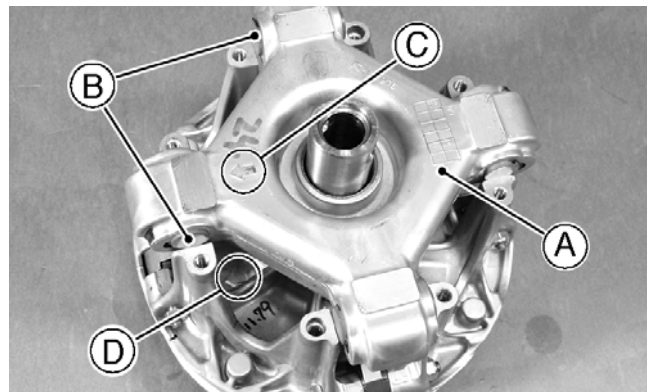
Assembling

1. Install the ramp weights (A) and tighten nuts (B) to specifications; then check that the ramp weights swing freely.



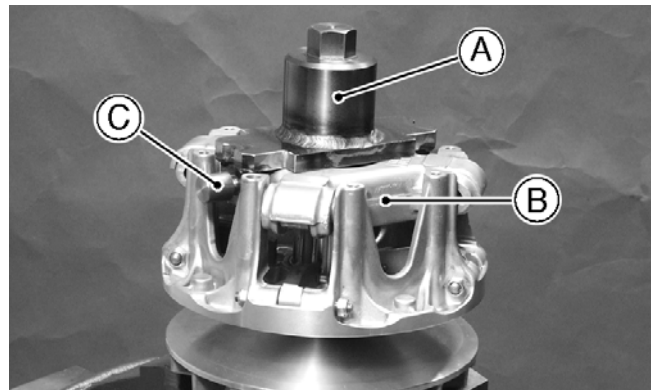
KX294

2. Place the fixed sheave on the clutch holder; then install the movable sheave, spider (A) and shoes (B) aligning the arrow (C) with the arrow (D) on the movable sheave.



KX295

3. Install the spider wrench (A) on the spider (B) and tighten bolt (C); then tighten spider counterclockwise to specifications.



KX296

4. Install the spring spacer in the spider; then install the spring (A) in the spider groove.
5. Install the alignment pins (C); then install the clutch cover aligning the arrows (B) on the clutch cover and spider. Tighten to specifications.