



KC313A

7. Tap the ball joints out of the knuckle; then free the knuckle from the axle and swing out of the way.



KC297

8. Remove the lower shock absorber eyelet from the upper A-arm.
9. Remove the cap screws securing the A-arms to the frame.
10. Remove the circlip from the ball joint; then remove the ball joint from the A-arm.

CLEANING AND INSPECTING

■**NOTE:** Whenever a part is worn excessively, cracked, or damaged in any way, replacement is necessary.

1. Clean all A-arm components using a pressure washer.
2. Clean the ball joint mounting hole of all residual Loctite, grease, oil, or dirt for installing purposes.
3. Inspect the A-arm for bends, cracks, and worn bushings.
4. Inspect the ball joint mounting holes for cracks or damage.
5. Inspect the frame mounts for signs of damage, wear, or weldment damage.

INSTALLING

1. Apply green Loctite #609 to the entire outside diameter of the ball joint; then install the ball joint into the A-arm and secure with the circlip.

2. Install the A-arm assemblies into the frame mounts and secure with the cap screws. Only finger-tighten at this time.
3. Secure the lower eyelet of the shock absorber to the upper A-arm. Tighten nut to 35 ft-lb.
4. Secure the A-arm assemblies to the frame mounts (from step 2). Tighten the cap screws to 35 ft-lb.

CAUTION

Do not tighten the nut beyond the 35 ft-lb specification or the shock eyelet or mount WILL be damaged.

5. Install the knuckle assembly onto the ball joints and secure with cap screws. Tighten to 35 ft-lb.
6. Apply grease to the hub and drive axle splines; then install the hub assembly onto the drive axle.
7. Secure the hub assembly with the nut. Tighten only until snug.
8. Secure the brake caliper to the knuckle with the two “patch-lock” cap screws. Tighten to 20 ft-lb.
9. Secure the hub nut (from step 7) to the shaft/axle. Tighten to 200 ft-lb.
10. Install a new cotter pin and spread the pin to secure the nut.
11. Install the wheel and tighten to 40 ft-lb.
12. Remove the ATV from the support stand.

Rear A-Arms

REMOVING

1. Secure the ATV on a support stand to elevate the wheels.

⚠ WARNING

Make sure the ATV is solidly supported on the support stand to avoid injury.

2. Pump up the hand brake; then engage the brake lever lock.
3. Remove the wheel.
4. Remove the cotter pin securing the hex nut; then remove the hex nut. Release the brake lever lock.
5. Remove the caliper (right side only).

■**NOTE:** Do not allow the brake caliper to hang from the hose.

6. Remove the cap screws and lock nut securing the shock absorber to the frame and lower A-arm; then remove the shock absorber.