

# Maintenance

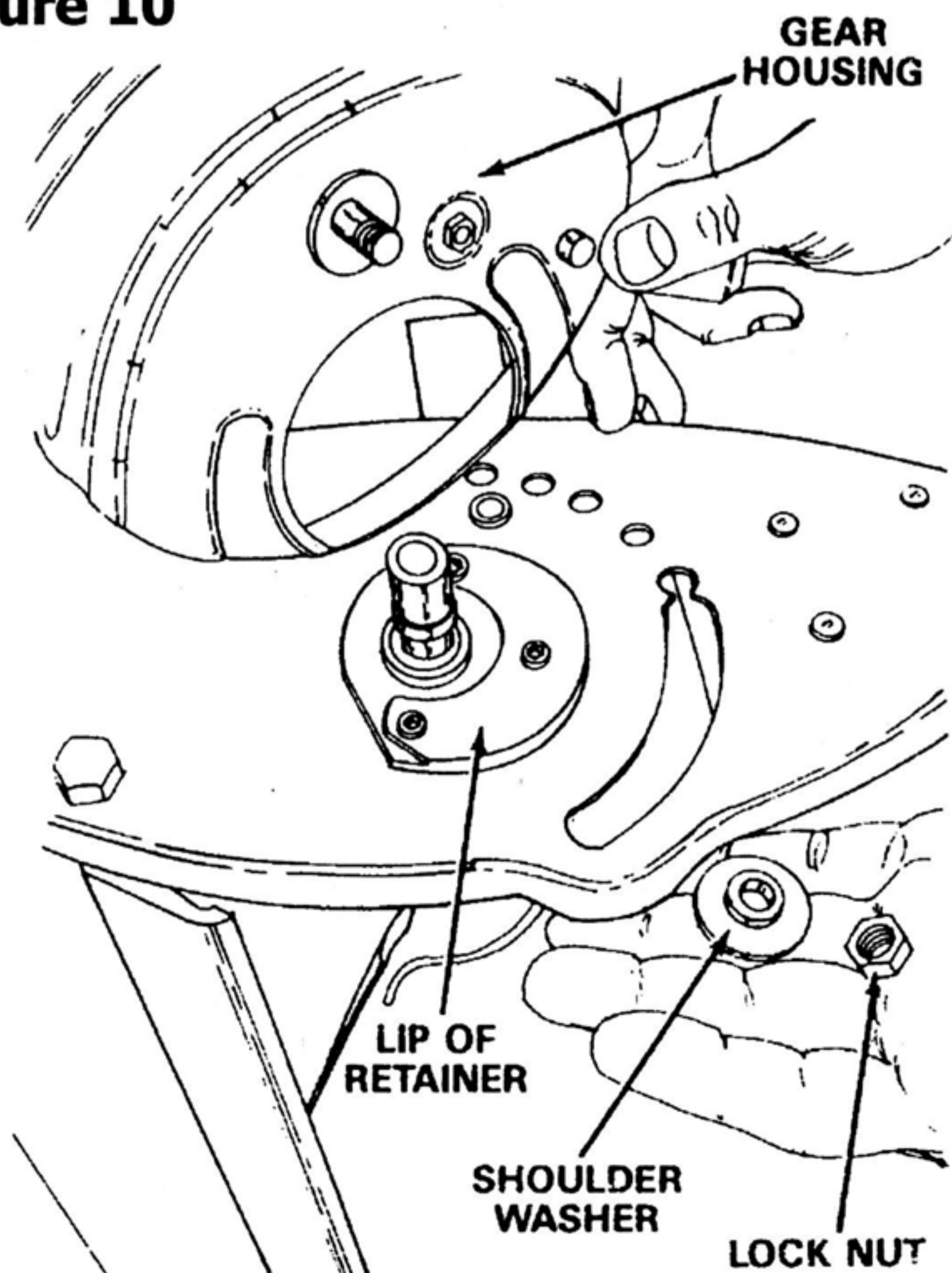
## Lubrication

Lubricate the wheels and gears once a season and whenever the reel is sharpened.

Tools required are a standard screwdriver, snap ring pliers, light grease and engine oil, and if rust is present, solvent and crocus cloth.

1. Remove the hub cap using the screwdriver.
2. Remove the e-ring with the screwdriver.
3. Lift off the wheel.
4. Clean rust, if any, from axle, using solvent and crocus cloth.
5. Coat the axle with light grease.
6. Remove the snap ring on the pinion gear, being careful not to lose the ratchet pawl under the pinion gear. It is important to use snap ring pliers in order to prevent damaging the snap ring.
7. Remove the pawl from the reel shaft, noting the exact position it is in. It must be reinstalled in the same position in order to drive the wheel.
8. Apply light grease to the gear teeth on the inside of the wheel Figure 12.
9. Using engine oil, lightly lubricate points indicated in Figures 10 & 11 on roller and between end plates and wheel dust covers. Periodic lubrication on these points will ensure smooth mechanical operation.

Figure 10



## Sharpen Blades

Your Silent Cut reel mower features high quality heat-treated reel and bedknife blades that were professionally sharpened before leaving our shop. Signs that the mower needs to be sharpened include:

The mower will start to become more difficult to push.

When properly sharpened and adjusted, the mower will cut the grass with a clean cut straight across the blade. Dull blades will leave a somewhat ragged cut.

Small dings or light rust on the blades can be removed with sharpening

Always backlap the blades, never use a file.

## Gear Housing Assembly

The gear housing must be properly assembled in order to prevent loose wheels, which will result in early failure of the pinion gears and wheels. When replacing the gear housing after it is removed for service, be sure that it fits UNDER the lip of the retainer. The shoulder on the shoulder washer must fit into the slot on the end plate. Tighten the lock nut.

Figure 11

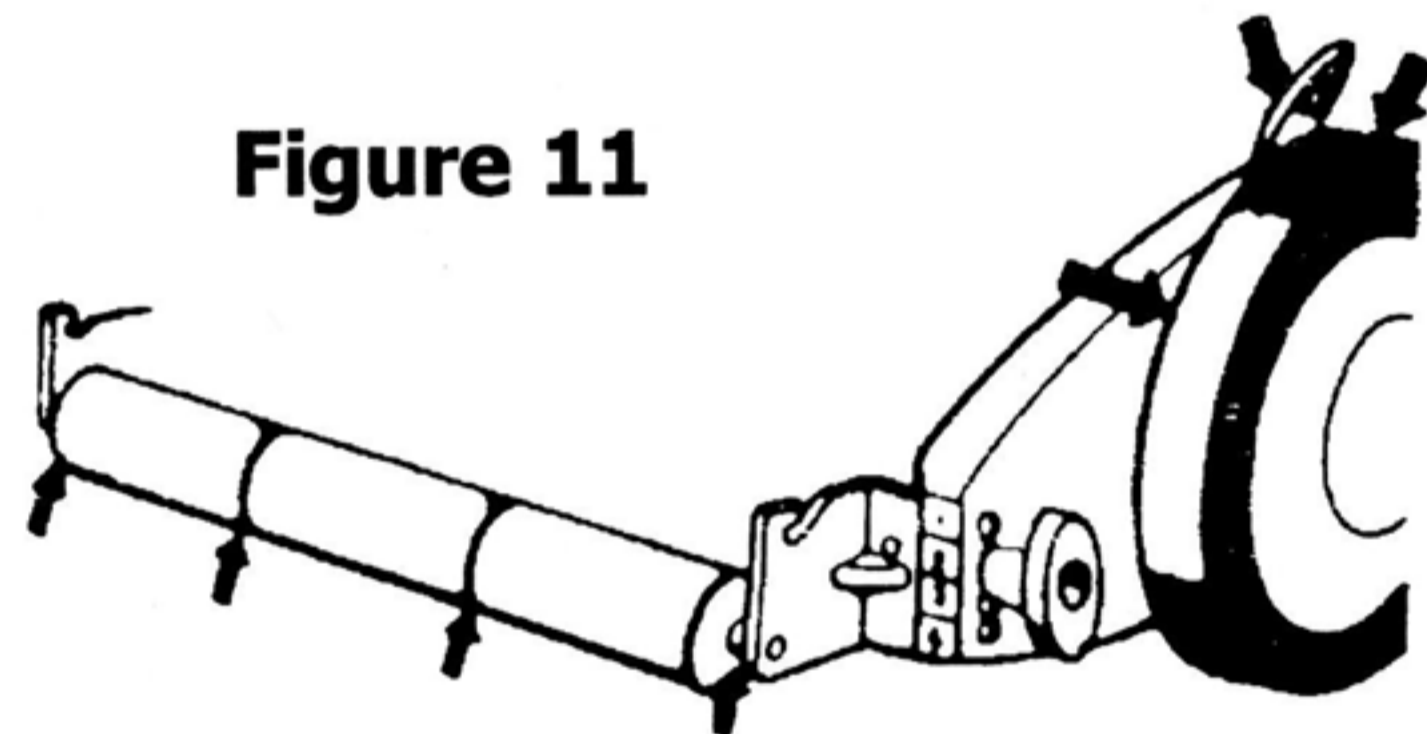


Figure 12

