

## Procedure Report

Title: Lock Mechanism Replacement (Standard Locking Mechanism)

Report No: R117-3

Revision: C

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Approved:

Date:

The replacement kit (725) for a Lock Mechanism on a reel consists of 1 steel locking ring (1924), 1 Locking cam (640-1) 1 Large Spacer (6440), 1 Small Spacer (6441), 1 Spring (274-1-SS) and 1 Shoulder bolt (1620).

### Base with support spacer:

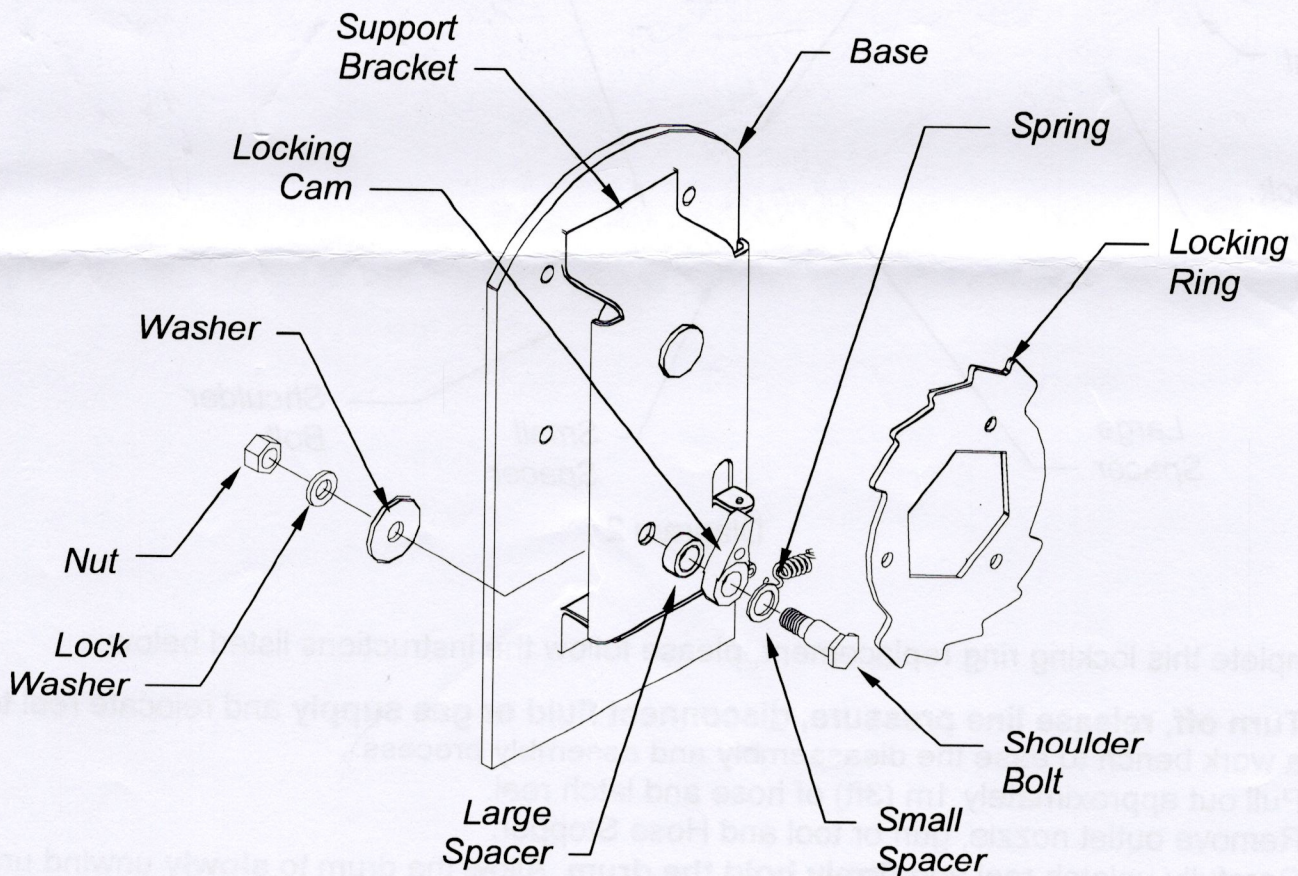


Diagram 1



**Base without support spacer:**

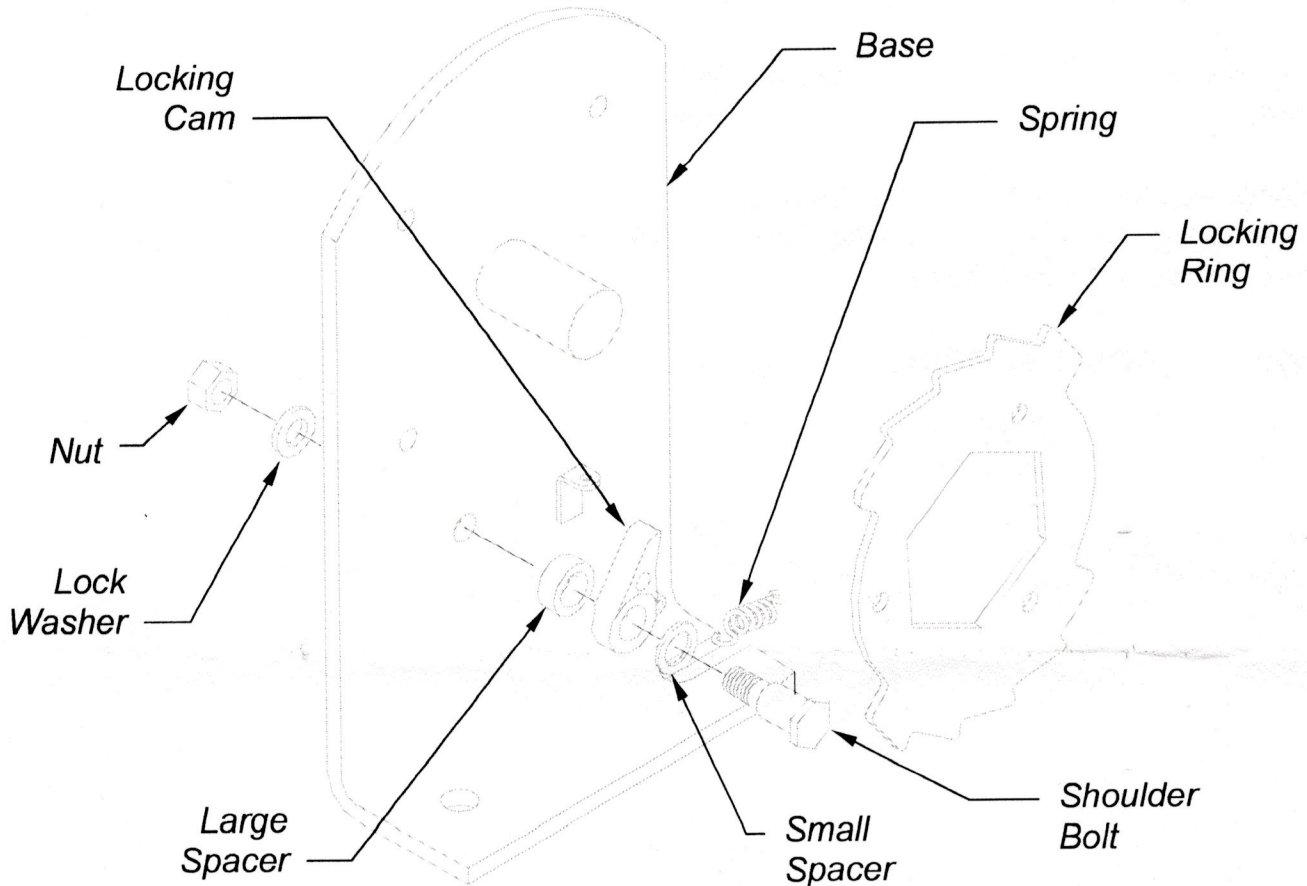


Diagram 2

To complete this locking ring replacement, please follow the instructions listed below.

1. **Turn off, release line pressure, disconnect fluid or gas supply** and relocate reel to a work bench to ease the disassembly and assembly process.
2. Pull out approximately 1m (3ft) of hose and latch reel.
3. Remove outlet nozzle, gun or tool and Hose Stopper.
4. Carefully unlatch reel and **firmly hold the drum**. Allow the drum to **slowly** unwind until it stops.
5. Remove the swivel, retaining ring and spacer. Slide Drum assembly off of axle.
6. Remove the four nuts from within the drum cavity on the **locking ring side** of the drum assembly. **Do Not** attempt to remove the spring canister nuts.
7. Remove spring canister from drum cavity.



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8. Remove 3 back nuts securing locking ring and lift free the old locking ring (**NOTING ORIENTATION AND DIRECTION OF TEETH IN RELATION TO NUTS EXTRACTED TO REMOVE SPRING CAN**).
9. Place new steel locking ring set on assembly, **PAYING ATTENTION TO ORIENTATION AND DIRECTION OF TEETH** and re-attach and tighten nuts to locking ring side of assembly.
10. Insert spring canister in drum cavity and replace the nuts in the drum cavity on the locking ring side of the drum assembly. Torque to specifications noted at end of report.
11. Remove locking Cam from base by removing shoulder bolt. Assemble shoulder bolt, small spacer, locking cam, large spacer, and spring. Attach spring to spring clip and locate bolt in hole. Add washer, lock washer and nut (supplied with replacement base or original reel) to assembly and torque to specifications noted at end of report. Verify that locking cam spins freely on shoulder bolt.

NOTE: Washer is not required though it may be re-used on reels which contain a support spacer as shown in diagram 1 above.

12. Slide drum assembly onto axle, add spacer, retaining ring, and swivel.
13. Retention the reel by turning the drum three complete turns, and latch the drum.
14. Feed the hose through the hose guide, fit hose stopper, then unlatch drum. Hose stopper should sit snugly against the hose guide. Re-attach any tool or nozzle and relocate and secure to place of use.
15. Connect fluid or gas supply and **check for leaks** before use of reel.
16. Adjust tension per Operating Instructions Manual if needed.

Torque Specifications are as follows:

Thread	Torque Spec
10-24 UNC	23 In. Lbs.
1/4-20 UNC	72 In. Lbs.
3/8-16 UNC	276 In. Lbs.