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TSB 2013.06.003

Changing a Hannay Spring Motor

Affected Reels: Spring Powered Reels Required Time: 10 min **Priority: Upon Failure/Field Upgrade**

Date Issued: June-2013

IMPORTANT!

MAKE SURE ALL TENSION FROM THE SPRING HAS BEEN REMOVED BEFORE STARTING, OTHERWISE INJURY MAY OCCUR.

ACTIONS REQUIRED:

1. Release spring tension by carefully allowing the reel to spin until no longer powered by the spring.

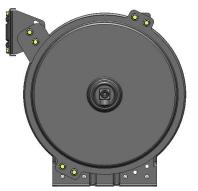
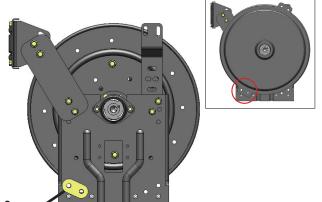


FIGURE 1: Side view of assembled reel

 Loosen all bolts holding the spring to the reel; depending on the model there may be up to 4 bolts. Note: when the lower bolts are removed, the spacer will fall from behind the spring. Figure 3 depicts an "N-Series" reel; if you have a standard reel it may appear different.



Spring Spacer

FIGURE 3: View showing spring reel with spring and hardware removed, and spring spacer (normally blocked by spring - see inset).

2. Remove Dust Cap and, if present, spring side swivel joint.

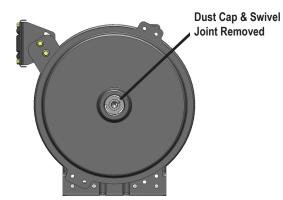


FIGURE 2: Dust cap and swivel (if present) removed.

4. Carefully remove the spring by sliding it off the center shaft. If the spring is larger, assistance may be needed to remove the spring. The spring motor clutch arbor should now be visible as it should remain attached to the shaft.

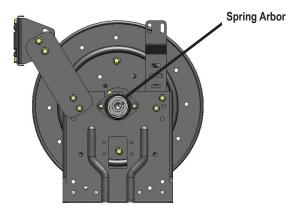


FIGURE 4: Reel with spring and hardware removed

- 5. Position the new spring onto the reel, making sure to engage the hooked end of the spring on one of the 3 arbor lobes. Again, some assistance may be needed.
- 6. Retighten the bolts and spacers removed in step 3 and replace the dust cap and swivel joint from step 2.
- 7. Re-tension the reel. Refer to TSB 2013.07.005 Installing Hose or cable on a Spring Retractable Reel, available at www.hannay.com.