



TECHNICAL SERVICE BULLETIN

Bulletin Number: DC- 2250

Date: 3/17/2009

**Affected Model(s): 94100/94300 Series "A"/94500 Series "B"
LFR Series Reels**

Subject: Updated Hose Installation Procedures

Periodically we hear reports of issues with the subject hose reels where spring tension, tighter than expected swivels, and hose retraction are suspect. In our research we learned that many of these issues were with "bare" reels that are configured in the field. We polled our plant employees that configure reels in house for us to find out that the procedure listed in the owner's manual and what they actually use was not the same. It appears that they had developed some new procedures that eliminate report tension and retraction issues. Hose tension on configured reels is set at our factory. Sometimes the tension may need to be adjusted and it is done prior to the reels being shipped. Bare reels have to be adjusted accordingly in the field after the installer adds the delivery hose and ball stop. Installing hose on a bare reel properly is key to performance of the reel. The attached recommended hose installation procedure should be followed. Most importantly these new instructions will eliminate pressure on the swivel and keep the delivery hose from being kinked.

RECOMMENDED HOSE INSTALLATION PROCEDURE:

- Remove guide arm.
- For smoother operation during retraction and to increase hose life, "detail" hose by wiping entire hose length with a light lubricating oil before installing on reel.
- Face the swivel with hose slot up, U-bolt holes to the right.
- Insert hose down through slot and attach hose end to swivel elbow (see Fig. 1).
- Push U-bolts over hose and into holes then start the 1/4-20 Nyloc Nuts.
- Push hose to the left, up away from U-bolts causing a slight up lifting or bulge in the hose. It will now touch left end of slot. Tighten nuts until the U-bolt has slightly pinched the hose.
- Facing the swivel wind spool counter clockwise, fully winding hose onto spool, a distinct "clunking" sound will be heard at each revolution.
- After hose is fully wound PRELOAD the reel by rotating clockwise two revolutions.
- Reattach guide arm and insert hose through rollers.
- Attach hose stop at desired position and check for tension.

As always, if you have questions or concerns, please do not hesitate to call Lincoln Technical Services at 314/679-4200, Ext. 4782 or fax us at 314/679-HELP (4357).

Regards,

Barry Frankum