

# W.S. DARLEY & CO.

## MAINTENANCE MEMO

### Darley Fire Pump

SUBJECT: IMPELLER NUT INSTALLATION PROCEDURE

To eliminate any possibility of impeller nut loosening from shock or vibration during pumping operation, following this basic assembly procedure.

1. Clean and dry shaft thread and impeller nut, removing dirt, grease and oil. (Loctite Klean N' Prime, Part No. 2556, can be used to clean parts and shorten cure time of threadlocker.)
2. Place impeller and impeller washer on impeller shaft.
3. Apply Loctite 243 Threadlocker to shaft thread and nut thread.
4. Tight the nut until it contacts the impeller washer, then turn to the next cotter key hole.  
**(DO NOT OVER TIGHTEN)**
5. Install proper size **STAINLESS STEEL** cotter key in impeller nut cotter hole.
6. Parts can be returned to service immediately.

The use of Loctite 243 Removable Threadlocker adhesive will allow future disassembly if required.

**IF FURTHER INFORMATION IS NEEDED, CALL W.S. DARLEY & CO. AT  
CHIPPEWA FALLS, WI. AT 800-634-7812 or 715-726-2650**