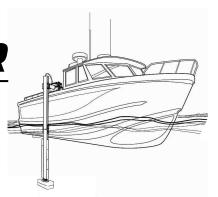


## HIGHTOWER - MEGATOWER

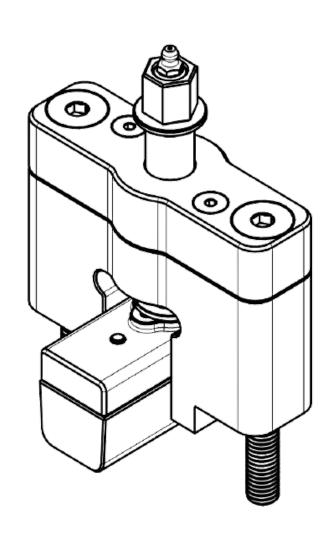
## SHEAR BLOCK TOWER USER MANUAL

Deployment & Maintenance

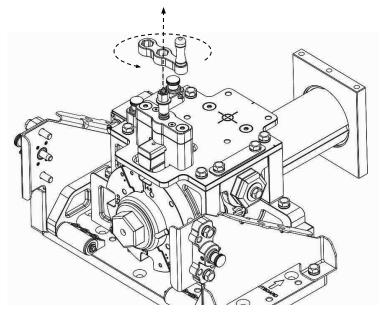


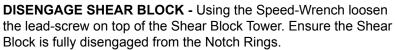








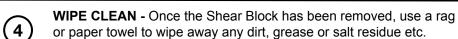


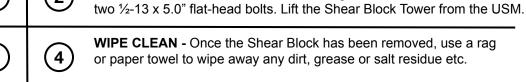


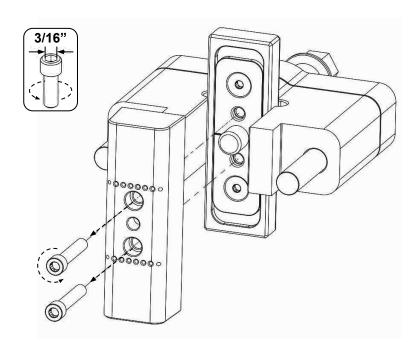
(1)

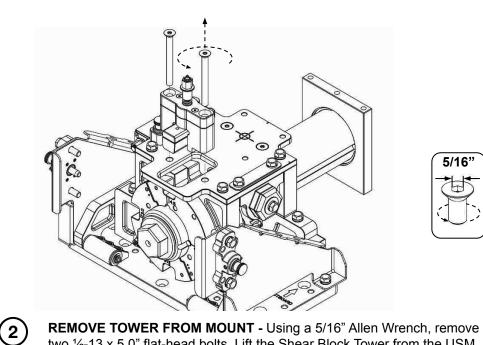
**REMOVE SHEAR BLOCK -** Using a 3/16" Allen Wrench, remove two ½-20 x 1.375" socket-head screws.



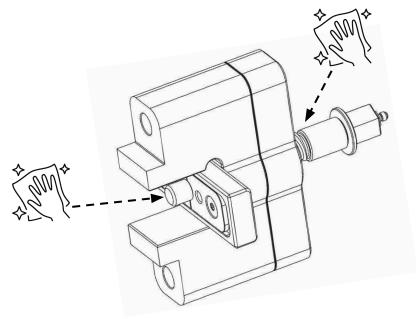






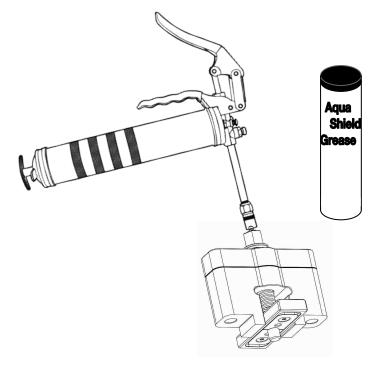






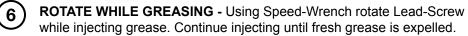










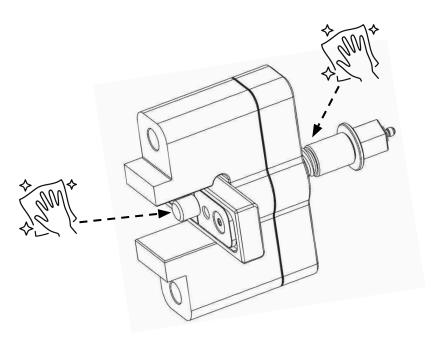


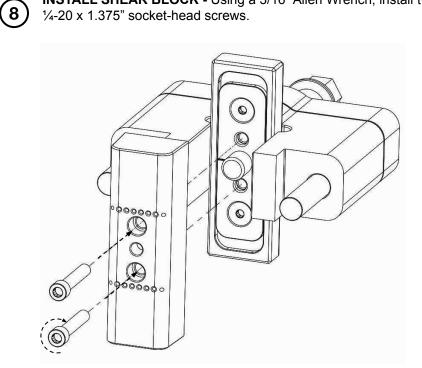


INSTALL SHEAR BLOCK - Using a 3/16" Allen Wrench, install two









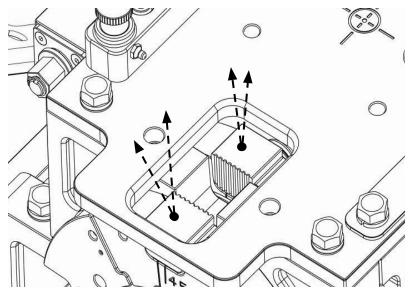




3/16"

10 FT-LBS

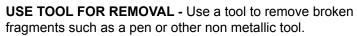


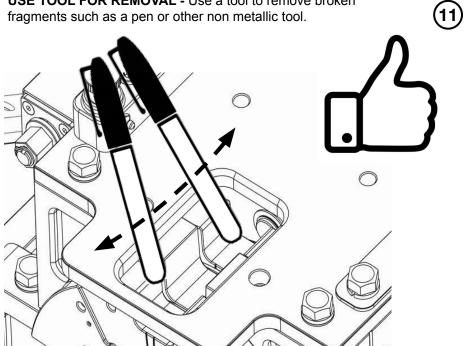


**REMOVE BLOCK FRAGMENTS -** Ensure there are no remaining fragments of the broken Shear Block between the Notch-Rings. Do not put hands into the space between the Notch-Rings.



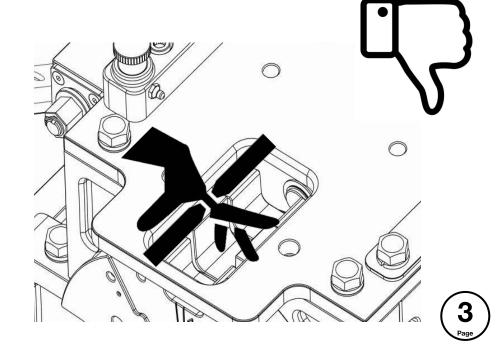


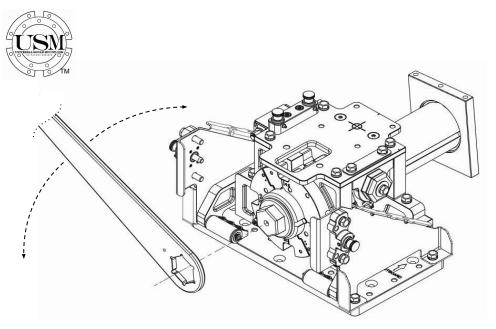


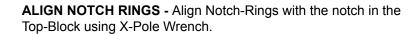


**NEVER USE HANDS -** Use a tool to remove broken fragments (12) such as a pen or other non metallic tool.

KEEP FINGERS AWAY.









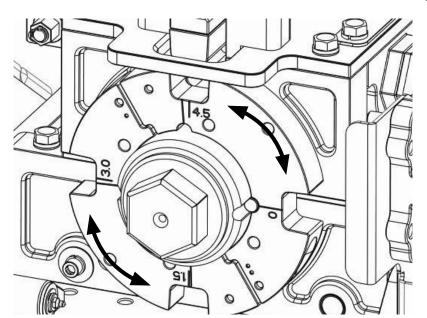
**MISALIGNED** 

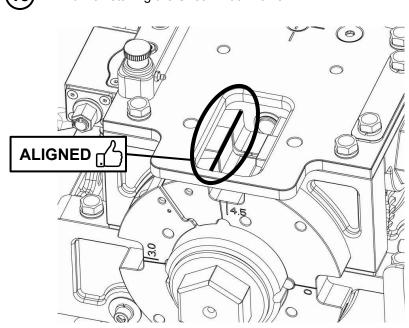
NOTCHES MISALIGNED - Simply Rotate the X-Pole to align notches.

**ROTATE X-POLE -** Using the X-Pole Wrench as pictured above, rotate the X-Pole to align notches as in cell 16.



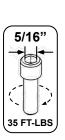
NOTCHES ALIGNED - With the notches aligned you may proceed with reinstalling the Shear Block Tower.

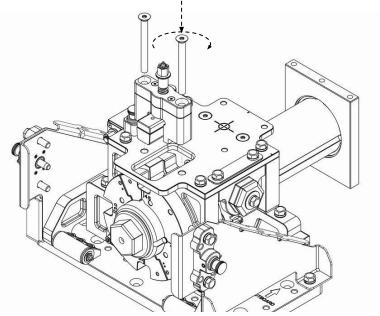








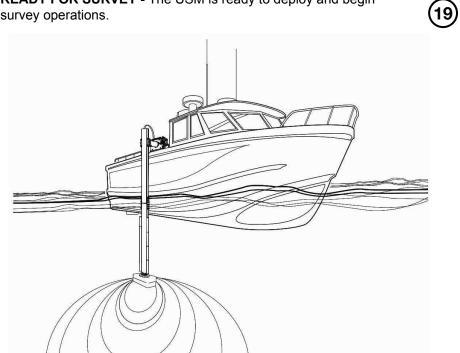


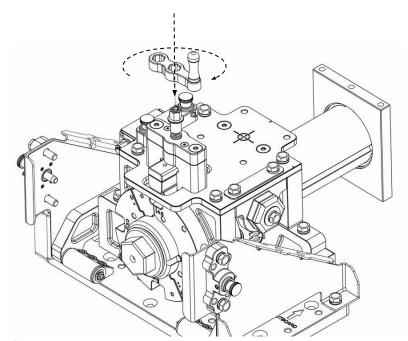


**REINSTALL SHEAR BLOCK TOWER -** Using a 5/16" Allen Wrench, install two ½-13 x 5" flat-head bolts. Torque screws to 35 FT-LBS.



**READY FOR SURVEY -** The USM is ready to deploy and begin survey operations.







(18) ENGAGE SHEAR BLOCK - Using the Speed Wrench, engage Shear Block. Tighten until you feel a 'hard stop'. Do Not Over Tighten.



**GENERAL MAINTENANCE -** Ensure all stainless hardware always coated with a marine grade anti-seize product. Always wash and dry the USM after each use. After the unit is dry apply a silicone spray or lubricant that does not make plastic swell.

## AVAILABLE FROM USM FOR MOUNT SERVICE AND MAINTENANCE

- AQUA-SHIELD GREASE
- T-9 BOESHIELD
- CMD EXTREME PRESSURE #3 GREASE
- **BOLT AND SPARES KITS**





