

**Model:** Versalift TMD Digger Derrick

**Subject:** Installing Part #1002398-1A 5" Aluminum Boom Tip Winch Rope Sheave

Parts Required:

- USSI Part Number 1002398-1A, Aluminum 5" Rope Sheave
- Assembly lubricant packet (included with the 1002398-1A, Aluminum 5" Rope Sheave)

Tools Required:

- Large snap ring pliers
- Common hand tools

Installation Instructions:

1. Start truck and engage the PTO and master switch (If applicable).
2. Set all four outriggers and level unit to the manufacturer's specification.
3. Unstow the boom and rotate off to the side or rear of the truck. Lower the boom and extend the third stage to gain access to the tip sheave. **Shut down the truck and follow your company's lock-out-tag-out procedure for conducting maintenance on the unit.**

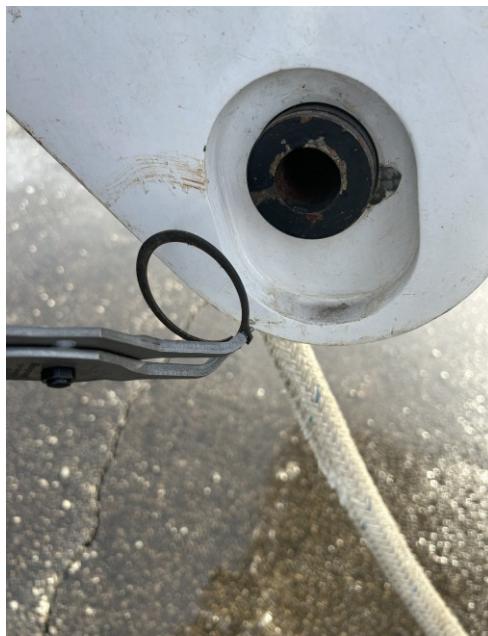


## Installation Instructions Cont.:

4. Locate the boom tip sheave and note how the winch rope is routed through the sheave.



5. Remove the retainer ring (snap) ring from the pin weldment (sheave axle), then remove the pin weldment and sheave. Carefully inspect the pin weldment for excessive wear, stress and damage to the pin weldment and its chrome surface; if needed replace the pin weldment with Versalift part number 1002187-2 Pin Weldment.



## Installation Instructions Cont.:

6. Apply the USSI-provided AGS® Syl-Glyde® assembly lubricant to the brass bushing in the new aluminum sheave. Fully read and understand the Syl-Glyde® Safety Data Sheet (SDS) that may be downloaded at the AGS® website [www.agscopy.com/cdn/shop/files/Syl-Glyde\\_Safety\\_Data\\_Sheet.pdf?v=615348910484014707](http://www.agscopy.com/cdn/shop/files/Syl-Glyde_Safety_Data_Sheet.pdf?v=615348910484014707).



7. Reinstall the pin into the boom, installing the aluminum sheave as pictured below, ensuring that the sheave turns freely. Route the rope over the sheave before fully installing the pin, as it was routed prior to disassembly.



## Installation Instructions Cont.:

8. Carefully inspect the retainer (snap) ring for excessive wear, stress and damage prior to installation and replace it if necessary, with Versalift part number 48014-50 Retainer Ring. Verify that it is fully seated and secured in the snap-ring groove



9. Operate the winch and ensure the rope is seated into the throat of the sheave; the sheave should rotate when there is pressure applied to the rope.

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Please contact USSI with any questions or for further information:  
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