

## Readying, Enabling, and Disabling the Auxiliary Winch

### Readying and Enabling the Auxiliary Winch, General Information

If your SPYDERCRANE has an auxiliary winch installed, but the primary winch is enabled, you will need to remove the hook block and store/remove the wire rope for the primary winch before readying the auxiliary winch.

#### Vehicle Start Condition

- ◆ 095-/200-Series w/Aux. Winch
- ◆ Deployed (any state)
- ◆ NO Hook Block installed
- ◆ Wire Rope Stored (Primary Winch)
- ◆ ON, Remote Control

#### Personnel and Time Needed

- ◆ 2 Persons
- ◆ Standard PPE
- ◆ <15 minutes

#### Tools and Equipment Needed

- ◆ 13mm Wrench
- ◆ 17mm Wrench
- ◆ Auxiliary Winch Boom Tip Adapter (BTA)

#### To Install the Auxiliary Winch Boom Tip Adapter (BTA)

1. Confirm the hook block is removed and the wire rope for the primary winch has been removed, or stored.
2. Install the Auxiliary Winch BTA to the Jib Hood, using both BTA Pins (Fig.1).
3. Set the Winch Selector Switch to AUXILIARY WINCH.

#### To Remove the Jib System and Jib Storage Cradle

1. Dismount and remove the Jib System.
2. Remove the two brackets of the Jib Storage Cradle by removing the 8 17mm installation bolts (there are 6 short bolts and two long bolts); retain the 2 long installation bolts, washers, and split-ring washers.
3. Install (or re-install) the Wire Rope Socket Bracket to the 2 bolt-holes on the rear, right-side of the boom; using the 2 long installation bolts, washers, and split-ring washers (Fig. 2).

#### To Reeve the Wire Rope for the Auxiliary Winch

1. WINCH DOWN to release tension from the stored Wire Rope Socket.
2. Remove the Wire Rope Socket from the Wire Rope Socket Storage Bracket.
3. Remove the Wire Rope Retention Bars from the installed Auxiliary Winch BTA (Fig. 3).
4. Reeve the wire rope over the top of the boom and over both Auxiliary Winch BTA Sheaves.
5. Install the Wire Rope Retention Bards to Auxiliary Winch BTA (Fig. 4).



(Fig. 1): The installed Auxiliary Winch BTA with its BTA Pins installed and safety-clipped.



(Fig. 2): The Wire Rope Socket Bracket installed without the Jib Storage Cradle.



(Fig. 3): The upper Wire Rope Retention Pin, installed.



(Fig. 4): The Auxiliary Winch with its wire rope reeved and connected to the 1-Part Hook Block.

### ***To Install the 1-Part Hook Block to the Auxiliary Winch***

**NOTE: If the 1-Part Hook Block is already assembled, use OPTION A. If the 1-Part Hook Block is NOT assembled and the Wire Rope Socket is attached to the wire rope and stored on the Wire Rope Socket Bracket on the boom, use OPTION B.**

#### **OPTION A: 1-Part Hook Block is already assembled**

1. Reeve the wire rope through the Boom A2B Weight.
2. Use the 1-Part Hook Block Installation Procedure for the 095-/200-Series SPYDERCRANE.

#### **OPTION B: 1-Part Hook Block NOT assembled**

1. Assemble the Boom Tip A2B Weight around the wire rope.
  - a. Remove wire rope retention bar from A2B Weight with a 5mm hex key.
  - b. Re-assemble the A2B Weight AROUND the wire rope by installing the wire rope retention bar.
2. Install the Wire Rope Socket that is already attached to the end of the wire rope to the barrel of the 1-Part Hook Block.

### ***To Store the Wire Rope to the Auxiliary Winch***

1. Disassemble and store the 1-Part Hook Assembly
  - a. Remove the Wire Rope Socket Pin and retention bolt (17mm).
  - b. Store the disassembled 1-Part Hook Block into its holder at the rear of the turret.
2. Remove the Boom A2B Weight from the wire rope
  - a. Remove wire rope retention bar from A2B Weight (5mm hex).
  - b. Release the wire rope from the weight and install the wire rope retention bar (5mm hex).
  - c. Leave the A2B Weight hanging from the Boom A2B Switch.
3. Remove the Wire Rope Retaining Bars from the Auxiliary Winch BTA and pull the wire rope out of the sheaves.

**WARNING: To properly store the wire rope to the Wire Rope Drum you MUST spool the wire rope onto the drum TIGHTLY: you MUST PULL on the wire rope WHILE WINCHING UP to maintain tension, there is a high possibility of injury if you are not attentive.**

4. Grasp the wire rope near (no less than 12 inches) the Auxiliary Winch; wear heavyweight gloves AND using a rag to prevent injury.
5. Using the Remote Controller, SLOWLY WINCH UP to begin spooling the wire rope onto the drum.
6. While WINCHING UP, ensure that the wire rope is laying onto the drum and wrapping into tight, ordered lines.
7. Periodically adjust your grip on the wire rope to keep at least 12 inches of space between your hand and the moving Wire Rope Drum.
8. Once there is no more than 12 inches of wire rope remaining, attach the Wire Rope Socket to the Wire Rope Socket Bracket with the Wire Rope Socket Pin.
9. WINCH UP SLOWLY to lock the wire rope to the Wire Rope Socket Bracket.
10. Set the Winch Selector Switch to PRIMARY WINCH.