



Installing and Removing the 4-Part Hook Block

4-Part Hook Block, General Information

The 4-Part Hook Block is the primary hook block for the URW205 and URW295.

- ◆ The 4-Part Hook has a max-rated capacity of 5,800 lbs. with the URW205 and 6,450 lbs. with the URW295.

Vehicle Start Condition

- ◆ 200-Series
- ◆ Deployed (any state)
- ◆ Boom Deployed, No Hook Block Installed
- ◆ Wire Rope Socket Un-Installed
- ◆ OFF

Personnel and Time Needed

- ◆ 1 Person
- ◆ Standard PPE
- ◆ <10 minutes

Tools and Equipment Needed

- ◆ 13mm, 19mm wrench
- ◆ Electrical Tape
- ◆ Wire Rope Spacer
- ◆ .25 in punch and hammer (optional)

To Install the 4-Part Hook Block

1. Ensure that the Wire Rope Socket has been removed from the Boom Tip.
2. Ensure that the wire rope is properly reeved, and 18 feet of wire rope extends over the top of the right-hand sheave of the Boom Tip.
3. Place the 4-Part Hook Block directly underneath the Boom Tip and oriented so that the A2B Weight Ledge of the block is underneath the A2B Weight suspended from the Boom Tip.
4. Reeve the 4-Part Hook Block (TB 1).
5. Lay the Wire Rope Socket on the ground so the embossed arrow is face up.
6. Feed the wire rope through the outside channel of the Wire Rope Socket until it emerges from the bottom of the Wire Rope Socket's becket (following the embossed arrow) and leave approximately 3 feet of excess.
7. Turn the wire rope back on itself, forming a loop. Feed it back along the inside channel of the Wire Rope Socket until it reaches the end of the channel and bottoms out (the taped end should be visible through the window cutout at the top of the socket).
8. Insert the Wire Rope Wedge into the wide side of the becket so that the wedge is pressing against both side of the wire rope.
9. Collapse the loop and seat the wedge by pulling on the end of the rope, ensuring that the end remains visible in the window cutout.

NOTE: During the reeving and installation of the wire rope into the Wire Rope Socket, ensure that the wire rope IS NOT twisted.

10. Install the Wire Rope Clip so that the saddle of the clip is on the same side as the embossed arrow (Fig. 3).
11. Pick up and orient the assembled Wire Rope Socket so that the embossed arrow is facing OUT (to the right-side of the Boom Tip).
12. Ensure that parts of wire rope are NOT tangled before installation.
13. Slide the Wire Rope Socket into the Wire Rope Socket Housing, tilting the tower of the Wire Rope Socket forward about 20 degrees.
14. The Wire Rope Socket is properly aligned when the Wire Rope Clip is visible through the window cutout in the Boom Tip (Fig. 4).
15. Insert the Wire Rope Socket Pin to hold the Wire Rope Socket in-place.
16. Install the Wire Rope Socket Pin Retention Bolt (19mm).
17. Tighten the nuts of the Wire Rope Clip (13mm) to complete the installation (Fig. 4).

Reeve the 4-Part Hook Block

1. Over the TOP of the RIGHT (Boom Tip) sheave to the RIGHT side of the FRONT (Hook Block) sheave.
2. Push the wire rope through the Hook Block until it emerges from the LEFT side of the FRONT sheave.
3. Pull the wire rope UP and through the A2B Weight.
4. Pull the wire rope and pass it over the FRONT of the LEFT (Boom Tip) sheave until it passes out the rear of the sheave.
5. Pull the wire rope down from REAR of the LEFT (Boom Tip) sheave and push it through the LEFT of the rear (Hook Block) sheave.
6. Push the wire rope until it emerges from the RIGHT of the REAR sheave.
7. Pull the wire rope until all the slack is pulled out from the boom and parts in-between the Hook Block and Boom Tip.



(Fig. 2): Orient the 4-Part Hook Block so that the A2B Weight Ledge of the hook block is directly below the hanging A2B Weight.



(Fig. 3): When you close the loop, you must ensure that the end of the wire rope is still in the viewing channel.



(Fig. 4): When installing the Wire Rope Socket to the Boom Tip, tilt the "tower" of the socket slightly forward and secure with the pin and bolt.

(TB. 1): This is the pattern for reeving the 4-Part Hook Block.

To Remove the 4-Part Hook Block

1. Ground the 4-Part Hook Block, or otherwise support its weight to take the tension off the wire rope.
2. Remove the both nuts (13mm) from the Wire Rope Clip located on the right side of the Boom Tip.
3. Remove the Wire Rope Socket Pin Retention Bolt (19mm) and lock washer from the right side of the Boom Tip (Fig. 5).
4. While supporting the Wire Rope Socket with your right hand, remove the Wire Rope Socket Pin with your left hand, allowing the Wire Rope Socket to fall out of the Boom Tip and into your hand (Fig. 5).
5. Remove the Wire Rope Clip from the Wire Rope Socket.
6. Remove the Wire Rope Wedge from the Wire Rope Socket.
 - ♦ By tapping on the exposed top of the wedge with a punch and hammer (do not strike the wire rope.) or...
 - ♦ By forcing either end of the wire rope back through the top of the becket to release the wedge (Fig. 6).
7. Pull the wire rope completely out of the Wire Rope Socket (Fig. 7).
8. Pull the wire rope out of the sheaves of the Boom Tip and 4-Part Hook Block to complete the removal.
9. Install the Wire Rope Socket back into the Boom Tip and retain the Wire Rope Socket Wedge and Wire Rope Clip (Fig. 8).



(Fig. 5): Remove the Wire Socket Pin Retention Bolt and then support the Wire Rope Socket as you pull the Wire Rope Socket Pin out.



(Fig. 6): Remove (or at least loosen) the Wire Rope Clip before attempting to remove the wire rope from the Wire Rope Socket.



(Fig. 7): Pull the wire rope through all of the sheaves of the 4-Part Hook Block and the left-hand sheave of the Boom Tip.



(Fig. 8): Retain the Wire Rope Clip and Wire Rope Socket Wedge after installing the Wire Rope Socket.