



# Installing and Using the Aerial Work Platform (URW547)

## The Aerial Work Platform, General Information

The SPYDERCRANE Aerial Work Platform (AWP) is an optional accessory for your URW547 SPYDERCRANE into a personnel-rated aerial lift. However there are some considerations for using the AWP with your SPYDERCRANE:

- ◆ The outriggers MUST BE deployed to the MAXIMUM-EXTENDED (MAX-EXT) Deployment State.
- ◆ All personnel using the AWP must wear fall-protection PPE, with the lanyard attached to the AWP's dedicated anchor point.
- ◆ The Rated Load Capacity of the AWP is 300 lbs. This includes the operator, tools, and all materials being lifted in the AWP.
- ◆ The AWP, when fully loaded, weighs 450 lbs.
- ◆ All other safe lifting practices MUST BE observed when using the AWP including, but not limited to:
  - ◆ Blocking and cribbing the SPYDERCRANE, proper site planning, including electrical hazards awareness and avoidance and all inspections.

### To Prepare the SPYDERCRANE for AWP Installation

Before installing the AWP, you MUST prepare the SPYDERCRANE for personnel lifting and boom-tip accessory installation:

- ◆ The SPYDERCRANE's hook block must be uninstalled and the wire rope stored to the Wire Rope Drum (or uninstalled).

#### Vehicle Start Condition

- ◆ URW547
- ◆ Deployed (MAX-EXT)
- ◆ Hook Block and Wire Rope uninstalled and removed

#### Personnel and Time Needed

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

#### Tools and Equipment Needed

- ◆ Compatible SPYDERCRANE AWP (with installation hardware)

### To Install the AWP

1. Raise the boom to 5° and SLEW over-the-front.
2. Place the AWP 5 feet in front of the SPYDERCRANE, orient the AWP so that the side with the Brake Control is facing the SPYDERCRANE and Fall-Protection Anchor Point is facing AWAY from the SPYDERCRANE.
3. Unlock the Yoke's Brake by turning the dial of the Brake Control counterclockwise. The Yoke Brake is a friction device, so as you turn the dial, the Yoke will become increasingly loose.
4. Angle the Yoke so that is at roughly 20°, pointing at the Jib Hood of the SPYDERCRANE and lock the brake by turning the Brake Control dial clockwise.
5. Place the end of the Yoke inside the Jib Hood.
6. Line up the holes in the Yoke with the holes in the SPYDERCRANE's Jib Hood.
7. Secure the Yoke with the two mounting pins and safety-clips (if the mounting pins are misplaced, the Jib Pins can be used in their place).
8. Unlock the Yoke Brake, using the Brake Control to allow the AWP to swing freely.

## Using the Aerial Work Platform, Rules and Restrictions

Before using the SPYDERCRANE with its installed AWP, you must read and comply with these directions:

- ◆ Read all warning labels, decals, and placards on SPYDERCRANE and the AWP.
- ◆ When the AWP is being moved by the SPYDERCRANE, leave the Yoke Brake unlocked to allow the AWP to swing freely.
- ◆ When the AWP has been maneuvered into position, lock the Yoke Brake to prevent the AWP from swinging.
- ◆ DO NO load more than 300 lbs. into the AWP.
- ◆ Even if the SPYDERCRANE is operated in Remote Control from the AWP, a qualified operator should remain on the ground with the SPYDERCRANE during personnel lifting operations.
- ◆ The AWP MUST ONLY be maneuvered in the working radii labeled “SAFE USE” in the AWP Load Chart (see below).
  - ◆ The AWP MUST NEVER be maneuvered in the working radii labeled “PROHIBITED ZONE” in the AWP Load Chart (see below).
  - ◆ If using the Rated Load Chart for the SPYDERCRANE, NEVER maneuver the AWP to a Working Radius LESS THAN 1,150 lbs.
  - ◆ If your SPYDERCRANE is equipped with an LMI and it has an option for AWP Installation in the Crane Configuration Screen, you MUST use this AWP Installation configuration setting.
  - ◆ If your SPYDERCRANE is equipped with an LMI and IT DOES NOT have an option for AWP Installation in the Crane Configuration Screen, you MUST use the regular boom configuration settings and closely monitor the Rated Load Capacity Indicator and keep it ABOVE 1,150 lbs.
  - ◆ Never allow the loaded AWP to swing into the area marked “DANGER ZONE” on the Yoke Brake when the boom is extended to the 44.5 feet Stage.
  - ◆ Never extend the AWP to BEYOND the 44.5 feet Stage.

### URW547 AWP LOAD CHART

**ONLY USE THE AWP WHEN THE SPYDERCRANE IS DEPLOYED MAX-EXT!**

**NEVER EXTEND THE AWP BEYOND A W/R of 39 FEET WHEN THE SPYDERCRANE’S BOOM IS IN STAGE 44.5 FEET!**

15.5' and 25.2'														
W/R	8	10	11	13	14	16	18	19	23	24.6				
MAX-EXT	SAFE USE AREA													
34.9'														
W/R	11.5	13	16	19	23	26	29	32	34.4					
MAX-EXT	SAFE USE AREA													
44.5'														
W/R	13	14	16	19	23	26	29	32	36	39	42	43.9		
MAX-EXT	SAFE USE AREA										PROHIBITED ZONE			
54'														
W/R	16	18	19	23	26	29	32	36	39	42	46	49	52	53.4
MAX-EXT	SAFE USE AREA							PROHIBITED ZONE						
59.1'														
W/R	19	23	26	29	32	36	39	42	46	49	52	55	58.5	
MAX-EXT	PROHIBITED ZONE													