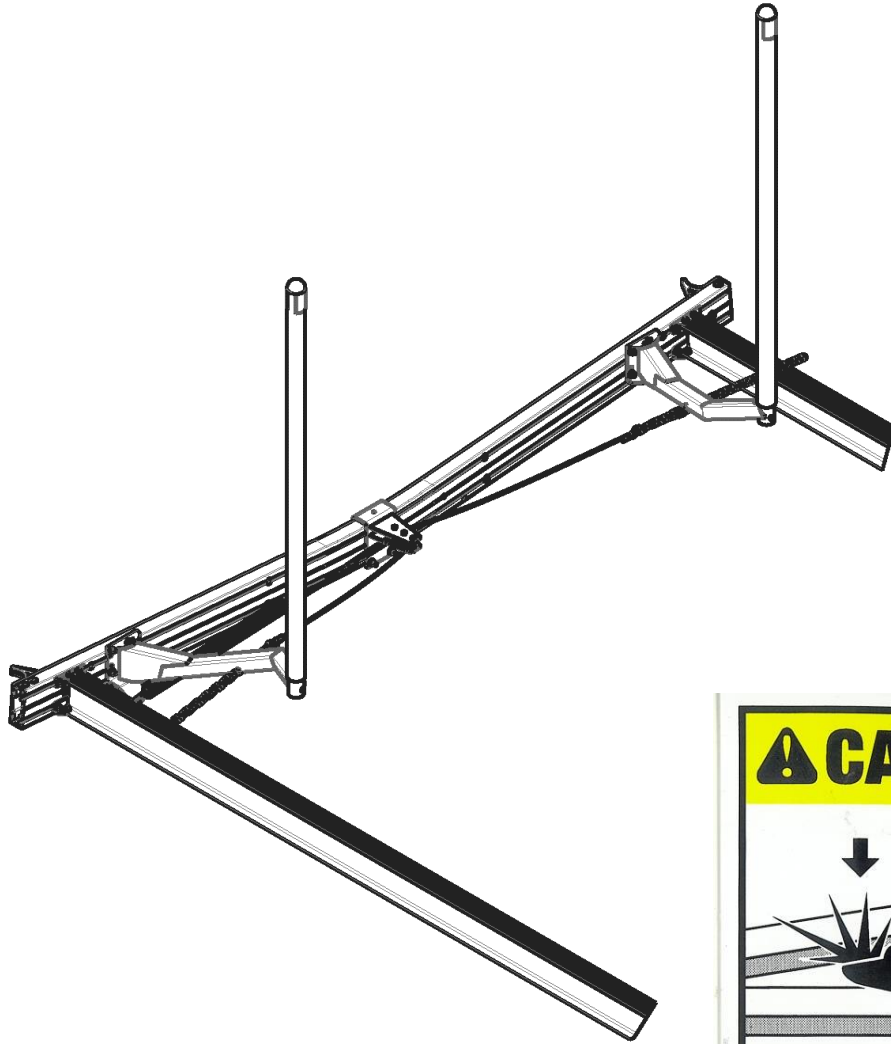


HA0102-01 & HA0102-15 HOIST CENTERING DEVICE ALUMINUM CRADLE

For use on 132, 120 and 108 wide lifts 3000 to 7000 lbs



Bundles Required

70425 Hardware Box HCD Alum Cradle
70461 HCD Swing Arm Bundle

Tools Needed for Assembly

Tape Measure
1/2 & 9/16 wrenches and/or sockets
Adjustable wrench

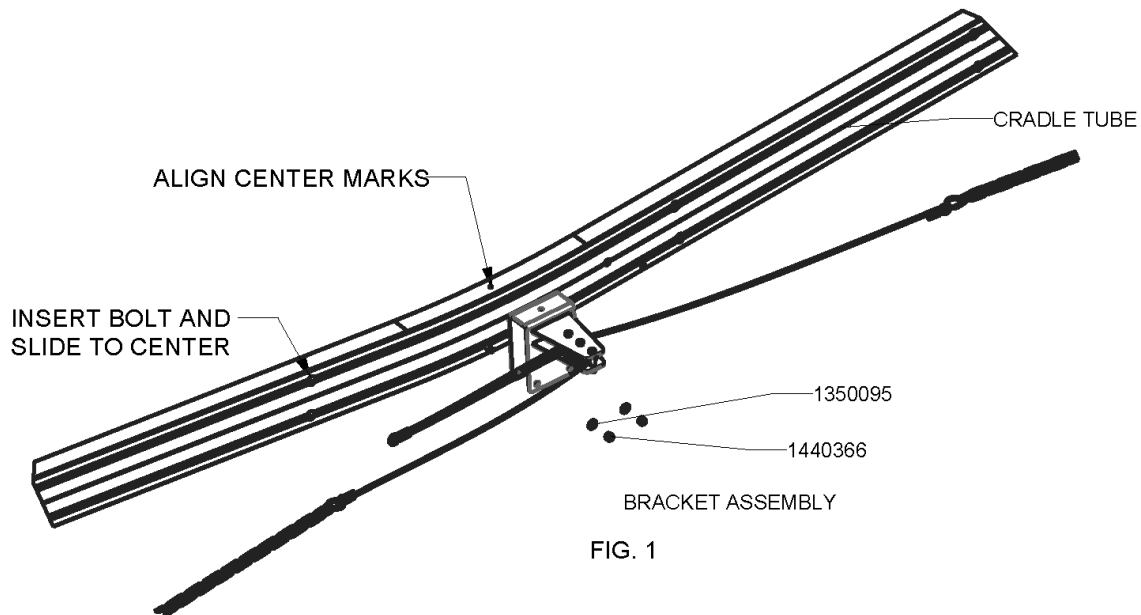
Note: *This kit requires two people for installation*

Note the following instructions for assembly to a hoist.

Mounting this accessory will be done on the entry end of the hoist and to the inside of the platform tube. References as to right and left shall be stated as looking into the hoist from the entry end.

Start by opening all boxes, bags, and bundles and lay out all components to familiarize yourself with the parts. To assemble this to the hoist the first step is to find the center mark/point of the v-frame that you are going to mount it to. If the center mark is not there measure the distance between the posts and divide by 2 and mark that on the v-frame tube. Slide the bracket and cable assembly over the v-frame tube insert stainless steel hex bolts into the holes from the outside in and secure with stainless steel flat washer and brass lock nut, make sure to align the center mark with the hole on the cable assembly bracket. **Attach bracket assembly as shown in Figure 1.**

Note; Older models may not have a center mark on the cradle tube. To add one, find the center point between the two upright corner posts and mark on the cradle tube.



Attach left and right swing arm assemblies as shown in Figure 2. Insert 2 stainless steel carriage bolts into each slot as shown below on each end of the v-frame tube mount the brackets over the bolts and secure with stainless steel flat washers and brass lock nuts. Do not tighten at this time. Repeat on the other side.

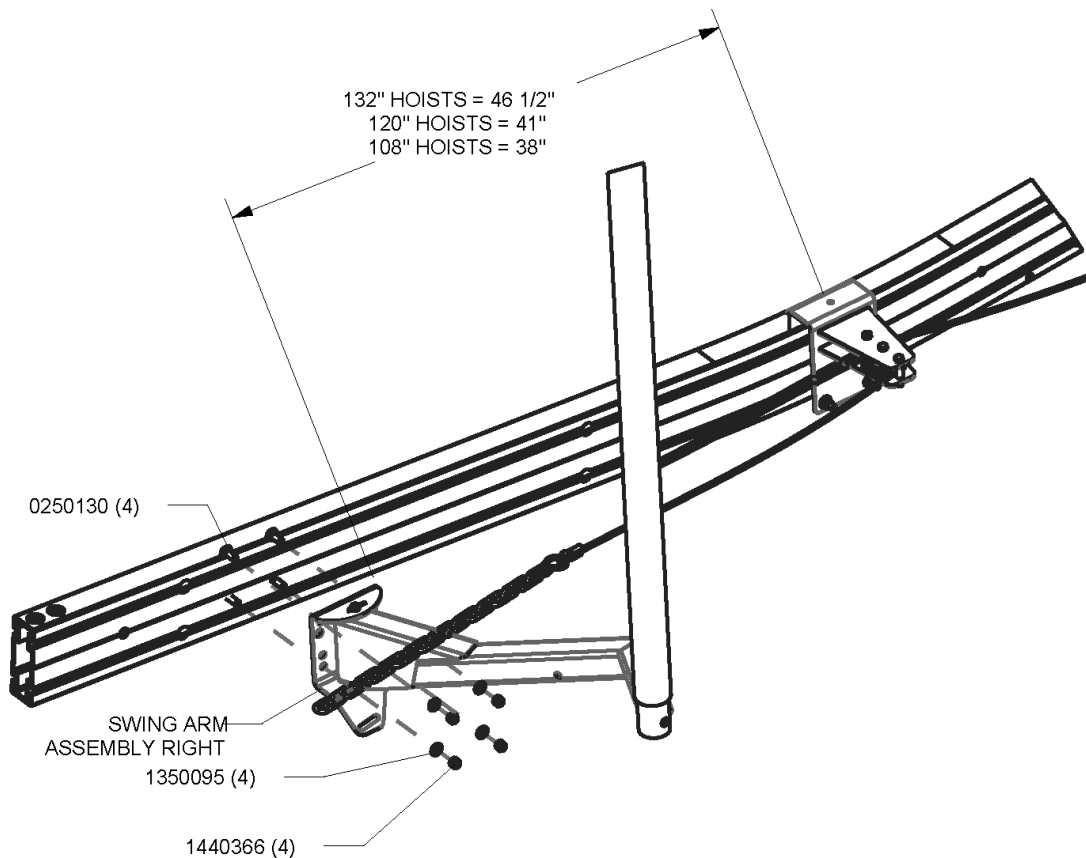
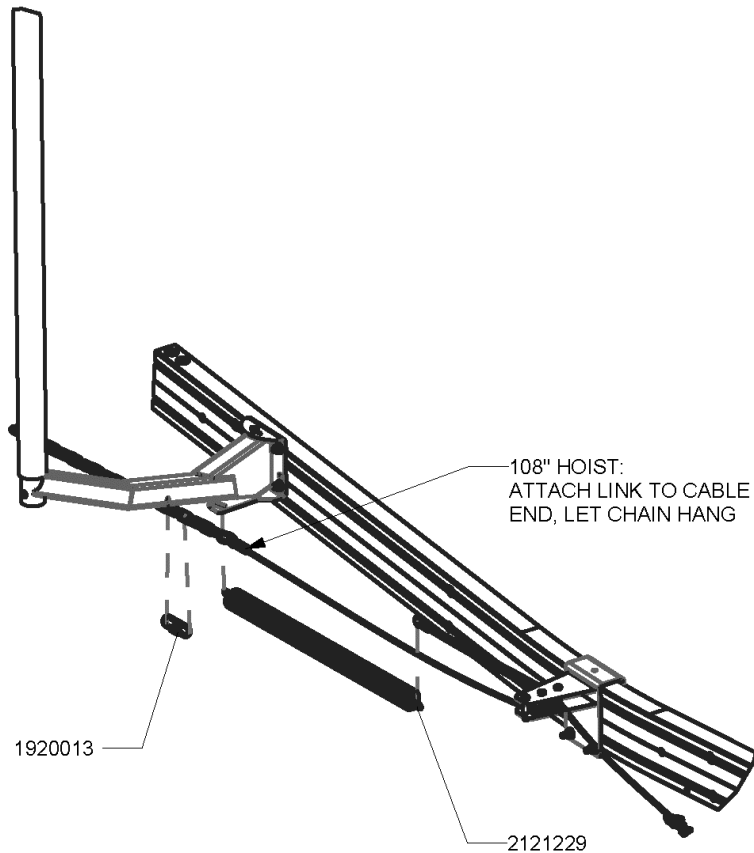


FIG. 2

Attach cables first, and then spring to swing arms as shown using the quick links provided.
Attention: Use two people to attach spring.

When attaching cable/chain assembly, unscrew the nut on the quick link, insert the threaded end thru the slot in the bottom of the swing arm. Then it will go into the cable loop on both sides of the 108" wide. You will need to hook into the third link on each side for the 120" wide, and you will need to be in link 12 on each side for the 132" wide hoists. With the cable/chain assembly attached hook the coil spring into the cable assembly and then stretch and hook into the slot on the right side assembly. At this time slide both swing arm assemblies in or out to create equal tension and tighten securely.



Note: The arms will provide full opening for 132", 120", and 108" hoists, which is 127", 115", and 103" respectively. The retracted opening will be 80", 74", and 68". No adjustment is necessary.

NOTE THAT THE LOAD GUIDE SYSTEM WILL APPLY EQUAL PRESSURE TO EITHER LOAD GUIDE POST. IF THE BOAT IS OFF CENTER, AS ONE POST IS PUSHED OUT THE OTHER POST IS ALLOWED TO LOOSEN THUS CENTERING YOUR BOAT. WHEN YOUR BOAT IS IN THE CENTER OF THE HOIST THE UPRIGHT POSTS WILL HAVE EQUAL PRESSURE ON THEM PUSHING THEM AGAINST THE GUNNEL OF THE BOAT.

ITEM	PART #	DESCRIPTION	QTY	NOTE
1	67805	BUSHING 7/16 OD	2	
2	70458	TWMENT HCD ARM LT	1	
3	70459	TWMENT HCD ARM RT	1	
4	70460	PIN 1/2 SS	2	
5	70462	BRACKET HCD ALUM CRADLE LT	1	
6	70463	BRACKET HCD ALUM CRADLE RT	1	
7	70701	HCD CABLE ASSEMBLY 2010	1	
8	71985	HCD PULLEY WMENT ALUM	1	
9	0150029	HH 5/16-18 X 2 CS GR5	3	
10	0150058	HH 3/8-16 X 3 1/2 CS GR5 SS	2	
11	0250130	CARR 3/8-16 X 1 GR5	8	
12	1350095	WASHER USS FLAT 3/8 STAINLESS	10	
13	1440365	HEX LOCKNUT 5/16-18 BRASS /NYLON	3	
14	1440366	HEX LOCKNUT 3/8 BRASS/NYLON INSERT	10	
15	1550035	COTTER KEY 1/8 X 1 STAINLESS	4	
16	1920013	QUICK LINK 1/4(7MM) PLATED	2	
17	1940010	S HOOK 532 ZP	2	
18	2121229	SPRING TENSION 1.77OD X.207 SS W	1	
19	2220267	CHAIN 1/4(7MM) X 18 LINKS PC	2	
20	3110449	CABLE TENSION ASSY 5/32 SS HCD	1	
21	3510172	SHEEVE POLY 2 1/2IN OD	2	
22	3510205	DOCK BUMPER CAP	2	
23	3510206	POLY TUBE 2 5/16 IN OD DOCK BUMP	2	
24	4811422	DECAL CAUTION PINCH POINT	4	

HA0102-15 will use Sand Beige poly tube 3510338 and Sand Beige bumper cap 3510337.

