

BOX J 12/2/2019

## **MODEL 368W 3-TON / 868W 8-TON HIGH WING**

### **ASSEMBLY:**

PLEASE CHECK THE HARDWARE AGAINST THIS LIST:

#### PER JACK:

- 1 - HYDRAULIC RAM E/W LOCKING COLLAR
- 1 - 6" RAM EXTENSION
- 1 - JACK HANDLE
- 1 - SUPPORT COLLAR
- 3 - 24" BRACES
- 3 - 60" BRACES
- 1 - THREE LEG BASE PLATE
- 1 - 36" CYLINDER RISER TUBE
- 2 - RISER TUBE END CAPS
- 1 - 6" CYLINDER RISER TUBE
- 2 - WHEEL MOUNTING PLATES – 1 LEFT / 1 RIGHT
- 2 - WHEELS
- 8 - BOLTS, 1/4 X 20 X 3/4"
- 8 - 1/4 X 20 SELF LOCKING NUT
- 14 - 3/8 X 1" BOLT
- 3 - 3/8 X 1-1/4" BOLT
- 1 - 3/8 X 7 PUMP HANDLE STORAGE PIN
- 18 - 3/8" NUT
- 17 - 3/8 LOCK WASHERS



Model 868W

### **ASSEMBLY; HIGH WING CONFIGURATION:**

- STEP 1** - Mount the hydraulic cylinder to one of the riser tube end caps by bolting through the cap into the existing hole in the cylinder bottom. Use a 3/8" X 16 X 1" bolt in a jam nut arrangement, as shown.
- STEP 2** - Mount the triangular base to one of the riser tube end caps by bolting through riser cap and frame. Use a 3/8x16x1" bolt / nut / lock washer.
- STEP 3** - Install each 24" braces to the frame inside set of holes. Use 3/8"x16x 1" bolts.
- STEP 4** - Install the 36" long riser tube in the base riser cap. Install and tighten a jam nut arrangement, to hold the riser tube in place.
- STEP 5** - Install the 3" centering collar over the top of the riser tube and attach the 24" braces using a jam nut arrangement. Use 3/8"x16x 1" bolts.

# Alpha

aviation, inc.

1-800-653-5112 Fax 1-952-856-5158

1500 East Main Street  
Owatonna, Minnesota 55060

- STEP 6** - Center the tube in the collar, as you would a Christmas tree in its stand. Bring the bolts into firm contact with the riser tube.
- STEP 7** - Tighten the jam nuts, brace to collar, securing the braces firmly.
- STEP 8** - Tighten the brace to the frame bolts.
- STEP 9** - Install the hydraulic cylinder, with riser cap attached, to the top of the 36" riser tube, securing it to the riser tube with a jam nut arrangement. Use a 3/8"x16x1" bolt.
- STEP 10** - Install the long braces to the base frame outer holes, leaving the nuts finger tight. Use 3/8"x16x 1" bolts.
- STEP 11** - Install the centering collar over the top of the cylinder. Attach the collar to the long braces using the jam nut hardware configuration, as shown. Use 3/8" x 1 1/4" bolts.
- STEP 12** - Center the cylinder in the collar, as you would a Christmas tree in its stand. Bring the bolts into firm contact with the cylinder.
- STEP 13** - Tighten the jam nuts, brace to collar, securing the braces firmly.
- STEP 14** - Tighten the brace to frame bolts.
- STEP 15** - Replace one of the outer frame to brace bolts with the 3/8x16x7" handle storage pin. Refer to drawing for hardware arrangement.
- STEP 16** - Install the wheels and wheel mounting plates by removing the bottom brace bolts, as required and sliding the wheel mounting plates into the open end of the "C" channel. Refer to instruction sheet enclosed.

## LOW WING CONFIGURATION: 26" OR 32" HEIGHT

Note – The Model #368W & #868W jack shares numerous components with our model #326 / 332 / 838W jacks and therefore can be reconfigured to function at the 26', 32" and 38" heights.

