Complete Bolt Set for Power-Pole with ¼" Bolt

Compatible with the following:
Power-Pole 6’ 2008 & Earlier
Power-Pole Sportsman Series 6’ 2009 & 2010

**Hardware**

A. Qty (4) 5/16” x 3.5” Power-Pole Bolts & Ram Bolt
B. Qty (4) 5/16” Low-profile nuts
C. Qty (8) small washers
D. Qty (8) small black bushings
E. Qty (1) long white bushing
F. Qty (2) short white bushings
G. Qty (1) ¼” Low profile nut
H. Qty (12) large black bushings
I. Qty (2) ¼” washers
J. Qty (1) ¼” stern bracket bolt
K. Qty (1) tubing stern bracket Teflon
L. Qty (4) small white bushings
M. Qty (1) small cylinder ram spacer
N. Qty (1) large cylinder ram

**Installation Tools**

- 7/16” & ½” Socket with Ratchet
- 7/16” & ½” Wrench
- Pliers
- Hammer
- Drill (Only if knuckle has ¼” bolt)
- 3/8” steel drill bit for drill if needed

**Installation of Bolt Set Complete Power-Pole with ¼” bolt**

Please follow the installation instructions for each section 1 through 3.

For technical support please call 813-689-9932 opt 2.
Knuckle Bolt Set 5/16” Upper or Lower (Section 1)

**Hardware**
- A. Qty (1) 5/16 x 3.5” Knuckle bolt
- C. Qty (2) small washers
- D. Qty (2) small black bushings
- H. Qty (4) large black bushings
- B. Qty (1) low-profile mounting nut

**Installation Tools**
- ½” Socket with Ratchet
- ½” Wrench
- Drill (Only if knuckle has 1/4” bolts)
- 3/8” Steel Drill Bit

**Installation Instructions:**
Step 1 Remove old bolt and bushings with installation tools. *Note: Installation tools not included.*
Step 2 Insert large black bushings H with small flange facing hole on the outside of the Knuckle and inside of the U-channel.
Step 3 Put washer C on bolt A. Next put small black bushing D on the bolt A with the flat side facing towards washer C.
Step 4 Install knuckle in-between U-channels as pictured below with flat side of bushings H touching and aligning the hole.
Step 5 Insert the dressed bolt A through the U-channel and Knuckle.
Step 6 Put small black bushing D onto bolt A with small flange facing towards U-channel hole followed by washer C.
Step 7 Finish by threading nut B on and tighten to 48 inch pounds / 4 foot pounds of torque.

**Note:** If existing Power-Pole Knuckle has a 1/4” bolt you will need to drill it out with 3/8” steel drill bit.
Stern Bracket Bolt Set ¼”  
Upper Bolt Only  
(Section 2)

Hardware

J. Qty (1) ¼” x 3.5” Stern Bracket Bolt
I. Qty (2) ¼” washers
L. Qty (4) small white bushings
E. Qty (1) long white bushing
F. Qty (2) short white bushings
G. Qty (1) 1/4”Low-profile mounting nut.

Installation Tools

- 7/16” Socket with Ratchet
- 7/16” Wrench
- Pliers

![Bottom Cylinder Figure 1-A](image)

Installation Instructions:

Step 1 Remove old ¼”bolt, bushings and remove hydraulic cylinder from stern bracket only. **Note**: you do not need to disconnect hydraulic lines from hydraulic cylinder.

Step 2 Remove old bushing F from bottom of cylinder and replace with new bushing F Figure 1-A.

Step 3 Insert bushings F and E into the stern brackets Figures 2-A and Figure 4-A.

Step 4 Insert bushings L into the insides of u-channel with small flange facing towards hole Figures 2-A and 4-A.

Step 5 Put washer I onto bolt J. Next put small bushing L onto bolt J with flat side facing in towards washer I.

Step 6 Install u-channel onto stern bracket Figure 3-A with bushing touching and aligning each hole.

Step 7 Insert the dressed bolt J through the u-channel, stern bracket, and hydraulic cylinder.

Step 8 Put small bushing L onto bolt J with small flange facing in towards u-channel hole followed by washer I.

Step 9 Finish by threading nut G on and tighten to 72 inch pounds / 6 foot pounds of torque upper and lower bolt.
Cylinder Bolt Set 5/16” (Section 3)

Hardware

A. Qty (1) 5/16 x 3.5” cylinder ram bolt
B. Qty (1) 5/16” low-profile mounting nut
C. Qty (2) small washers
D. Qty (2) cylinder ram bolt bushings
N. Qty (1) large cylinder ram spacer
M. Qty (1) small cylinder ram spacer

Installation Instructions:
Step 1 Remove old bolt and bushings with installation tools.
Step 2 Insert bolt A through washer C with flat side of bushing D facing in towards washer C.
Step 3 Insert dressed bolt A through U-channel and large ram spacer N. Note: large ram cylinder spacer should be on the same side as the 90 degree fitting on cylinder.
Step 4 Push remaining bolt A on through hydraulic cylinder ram, small bushing ram spacer M and U-channel.
Step 5 Place small black bushing D onto bolt A with small flange facing in towards the U-channel hole followed by washer C.
Step 6 Finish by threading nut B on and tighten to 48 inch pounds / 4 foot pounds of torque.