

DC WINCH TRIPLE LINE PULL UPDATE KIT

P/N 511-52016-00
ASSEMBLY INSTRUCTIONS



TOOLS REQUIRED:

- (2) 3/4" socket or wrench for 1/2" nuts and bolts
- (1) Torque wrench
- (1) 7/16" socket or wrench
- (1) Standard tip screwdriver
- (1) 17/32" drill bit
- Cordless Drill
- Tape Measure

INSTRUCTION P/N: 611-52016-00
ISSUE DATE: 2/19/13
UPDATED: 2/25/22

PARTS LIST:

- (1) One – DC Winch Fastener Kit, 001-04111-00
 - One – Eye Nut, 001-03422-00
 - Two – 3/8-16 x 3” Bolts, 001-70115-00
 - Three – 1/2-13 x 1-3/4” Bolts, 001-70210-00
 - One – Tube, Vibra-Tite, 006-04102-00
 - Three – 1/2” Flat washers, 001-71027-00
 - Four – 1/2-13 Aluminum Nylock Nuts, 001-76072-00
 - Two – 3/8-16 Aluminum Nuts, 001-76349-00
 - One – 1/2-13 Aluminum Nut, 001-76350-00
 - Three – 1/2-13 x 2-1/4” Bolt, 001-70212-00
 - Four – 1/2” x 1-1/2” Nylon Flat Washers, 007-05355-00
- (2) One – Cable, 5/16” Galvanized, 007-08905-00
- (3) One – Chain, 3/8 Grade 70-2 Links, 001-45026-00
- (4) One – 1/2 x 2” Bolt, 001-70211-00
- (5) One – DC Winch Cable Bracket, 002-04155-00
- (6) Two – Pulley Assemblies, 111-10103-00
- (7) One – Instructions, DC Winch Triple Line Pull Update, 611-52016-00

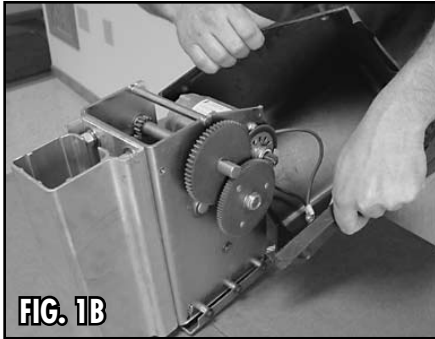


STEP 1:

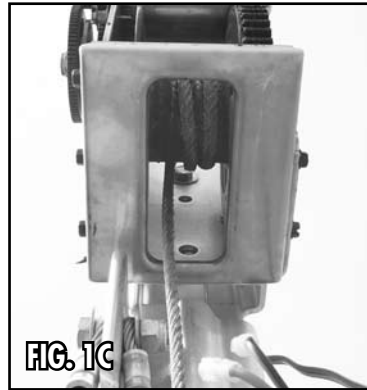
Lower cradle all the way so all the cable is out of winch. Remove four attachment screws from plastic winch cover with large flat end screwdriver (FIG. 1A).



Pull open and remove plastic winch cover. NOTE: It will be difficult to get the cover around the gears (FIG. 1B).



Remove the fasteners that holds the end of the cable to the drum. Feed the new cable up through the bottom hole as shown in FIG. 1C and route over the top of the drum feeding the end through the access hole in the gear side.

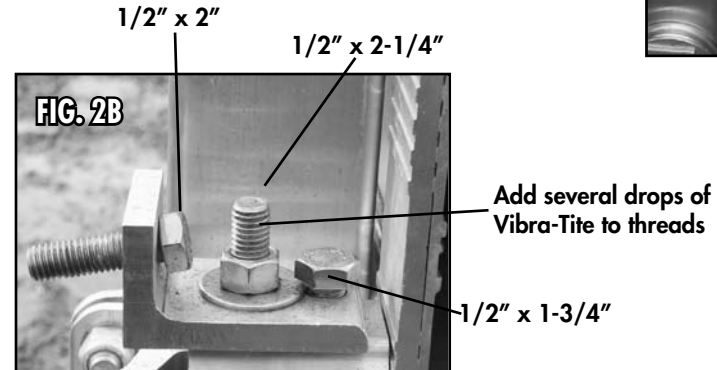


Attach the new cable to the drum as shown in FIG. 1D and torque to 5 ft/lbs.

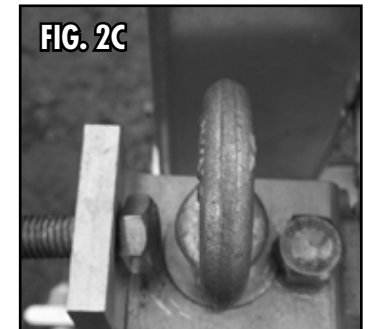


STEP 2:

Remove the inner 1/2" x 1-1/4" bolt from the outer 2-1/2" cradle clamp and slide the clamp out far enough to insert a 1/2" x 2-1/4" bolt up through the inside of the clamp making sure that the flats of the bolt head nest in the nut track area of the clamp. Insert a 1/2" x 2" bolt in the winch cable bracket and place it over the 2 1/4" bolt and insert the 1/2 x 1-3/4" bolt into the remaining hole (FIG. 2A), place 1/2" washer and nut over the bolt and torque both fasteners to 50 ft/lbs (See FIG. 2B). Place several drops of Vibra-Tite onto the threads of the protruding 2 1/4" bolt and thread on the eye nut until it is bottomed on the jam nut and then back it off just enough so that the nut is positioned at 12:00 o'clock and 6:00 o'clock (See FIG. 2C). See note below.

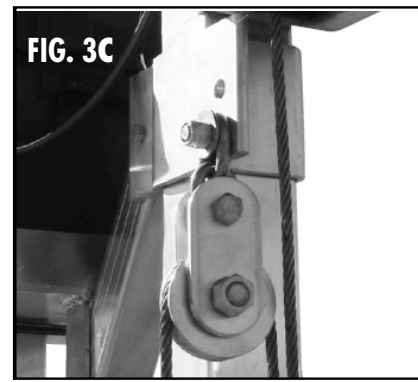
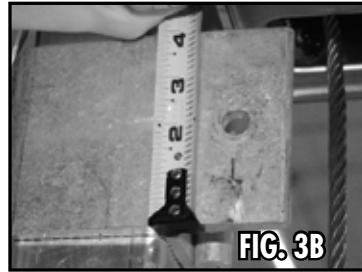
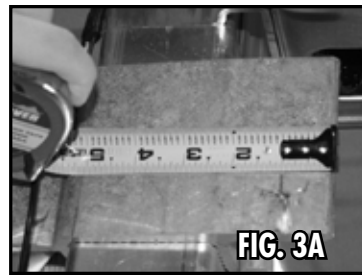


IMPORTANT NOTE: Vibra-Tite takes 24 hours to fully cure. Do not operate the winch until the appropriate amount of time has elapsed while maintaining the 12:00 o'clock and 6:00 o'clock eye nut position.



STEP 3:

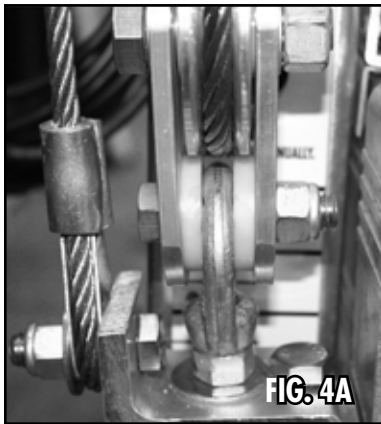
A 17/32" hole must be drilled in the upper v-brace clamp 3/4" up from the bottom and 1" in from the outer edge. With a tape measure, mark the location for the hole as shown (FIG. 3A & 3B). Use a center punch and a hammer to create a divot to help guide the tip of drill bit. Make sure that the drill remains perpendicular to the clamp during drilling. Note: Lifts shipped after 2/1/13 will have this hole pre-drilled. For lifts built prior (early 2000's, V 3000 / 4000) remove the v-brace, clamp for the corner post and orient as shown (Fig 2C) with the flange side on the outside of the lift.



Attach the chain to the clamp on the lifting post with a 1/2 x 1-3/4" bolt, heavy flat washer, and nylock nut as shown (FIG. 3C). Torque to 80 ft/lbs.

STEP 4:

Attach the pulley assembly to the eye nut by threading the cable over the pulley and attach to the eye nut using a 1/2 x 2-1/4" bolt, (2) 1/4" thick nylon spacers, and a 1/2" nylock nut (FIG. 4A). Repeat the process on the upper pulley, but instead of fastening to the eye nut, attach to the chain using a 1/2 x 2-1/4" bolt, (2) 1/4" thick nylon spacers, and 1/2" nylock nut (FIG. 4B). Torque to 20 ft/lbs. Make sure that both pulleys rotate freely. Attach the end of the lifting cable bracket using a 1/2 x 2" bolt, and a nylock nut (FIG. 4C). Be careful not to over tighten and crush the wire rope thimble. Cable must be routed as shown in FIG. 4D.



IMPORTANT NOTE: Step 5 hardware is not used