

Single-Line Crank Unit Upgrade Installation Instructions

Tools needed

Safety glasses, gloves, screwdrivers, socket wrench set with driver and sockets, drill, standard drill bits, stud-finder, and a saw.

Parts list for Crank Unit Upgrade

1 x Crank Unit w/ Handle
1 x 43 Feet of Cable
1 x Wall/Ceiling Pulley
4 x Cable Clamps
1 x Wire Thimble
2 x 3 Inch Lag Bolt
2 x 3/8 Inch Washers

Supplies Needed (Not Included)

1 x 2x6 20 inches or longer depending on stud spacing
6 x 3.5 to 4 inch long screws to attach 2x6 to your wall

Installation of the Crank Unit

1. Remove the spool from the crank unit using a 11/16 and 9/16 socket.
2. Cut a section of 2x6 to four (4) inches longer than the span of your studs. Example: 16 inch center studs require a 20 inch 2x6.
3. Mount the 2x6 you cut to the wall, approximately fifty (50) inches above the floor, using six (6) screws, three (3) in each stud.
4. Mount the crank unit to the 2x6 using the two (2), three (3) inch lag bolts and washers provided.
5. Reinstall the spool back into the crank unit.

Installation of the Cable

1. Unclip the wire bundle and stretch out the wire.
2. Feed one end of the wire through the drum as shown. Attach a cable clip to the end of the cable in the drum and reel in 5 full turns of cable onto the drum. (Note: always leave at least 5 full turns of cable on the drum. Failure to do this can result in damage to your Jeep top or injury to your person or others.)

Installing New Ceiling/Wall Pulley

1. Decide if you are going to install the pulley on the wall above the crank unit or on the ceiling above the crank unit. **Note:** *This is a new pulley to help keep the line from the crank unit close to your wall and out of the way. It will not carry much if any load. As this is an upgrade, you should already have a pulley or eyelag installed over your Jeep and properly anchored for lifting.*

2.

Routing the Wire to Your Lifting Frame

1. Run the other end of the line (unattached end) through your ceiling pulley(s)

2. Attach the free end of the line, using the remaining three (3) cable clips and the wire thimble, to your lifting blade as shown. See “**Balancing Your Hardtop**” for general cable placement.

****Before you lift your top be sure to test all connections making sure all hardware is secure and bolts are tight.****

Removing Your Hardtop

Put your Hoist-A-Top frame on the hardtop of your Jeep, slide the rear hook between the glass of your window and the top and turn it so it grapples the top. Make sure it is exactly centered so that your top doesn't lean to the right or left. The two J-Hooks in the front should grapple underneath the top just before the corner where the window goes. Make sure that all the torque bolts in the top, latches, windshield fluid tube, and wiring harnesses are disconnected before lifting.

Balancing Your Hardtop

Balancing your hardtop is a vital step of this operation. Because each Jeep hardtop has a different weight distribution and we will be configuring it different with the back window open or closed, or with/without Freedom Top Panel pieces on the hoist. Your top may be balanced at a different hole on the lifting blade, but here are some starting points: Four from the front is for JK four doors with Freedom Top pieces on and rear window closed. Fourteen holes from the front is where we start with the JK 2 door with Freedom Top pieces on the hoist and rear window closed. The TJ Jeep top starting point is 16 holes from the front (two from the rear). You may have to lift your top several times to find a balancing point. If it hangs unbalanced leaning toward the front of your Jeep, move the lifting point toward the front, and the same toward the rear. When removing your top your balance point may change depending on whether you have the rear window open, change the centering on the hoist frame, or leave your Freedom Top Panel pieces off and will have to be re-balanced.