



TOOL BOX

- Crimpers
- Winch Handle Square box & M-winch
- Saw-Z-All Cordless
- Drill Cordless
- Set of Drill Bits
- Extra Saw-Z-All Blades
- Set of Flagpole Keys (Regional, Concord, American, Eder, Pole Tech)
- Extra Cordless Batteries with Charger

TOOL BAG

- Cable Cutters (Klein 63016)
- Lineman Pliers
- Channel Lock Pliers
- Needle Nose Pliers
- Box Cutter
- 3 Phillips Head Screwdrivers (S,M,L)
- 3 Straight Head Screwdrivers (S,M,L)
- Set of Allen Wrenches (2 extra 1/8", 2 extra 5/32")
- Crescent Wrench
- Thread Locker
- Various Tapes (preference: electricians, duct, box)
- 6' Tape Measure
- Marker - Black Sharpie
- Ratcheting Wrenches - (2) 1/2" & (2) 7/16"
- Tap Handle
- Taps
 - (2) 1/2-13
 - (2) 3/8-16
 - (2) 5/16-18
 - (2) 1/4-20
 - One 1 1/4"
- Ratchet with 6" extension
- Small Bit Assortment (security bits)
- Number Punches
- Small Can WD-40 or other penetrating oil

PARTS BAG

- Copper Crimps - 1/8" and 5/32"
- Thimbles for - 1/8" and 5/32", Rope Thimble(?)
- Self Tapping Screws
- Extra Lock - Short Barrel and M-winch
- Cable Stop



Assortment of misc. hardware: extra nuts for 1/2" balls/finials, lock washers 1/2", self tapping screws, box winch screw for cable attachment, extra bolt for box winch, shoulder bolt for swivel plate, swivel locking bolt with washer, assorted set screws, cleat screws.

Other items (job dependent): Pulleys, truck grommet, stopper ball(s), rubber cork

Installation & Removal Pack Out List

Produced for the 2023 Annual NIFDA Convention & Expo

FOUNDATION

Requirements

- Tape measure
- Shovel
- Spade
- Sharpshooter
- Rock bar
- Post hole digger
- Wheelbarrow
- Level
- Pull string
- Concrete/water
- Bucket

Recommendations

- Auger
- Hydroexcavator
- Tamp
- Bag around tamp to avoid catching dirt
- Foam solution
- Sawzall/grinder

SETUP

Requirements

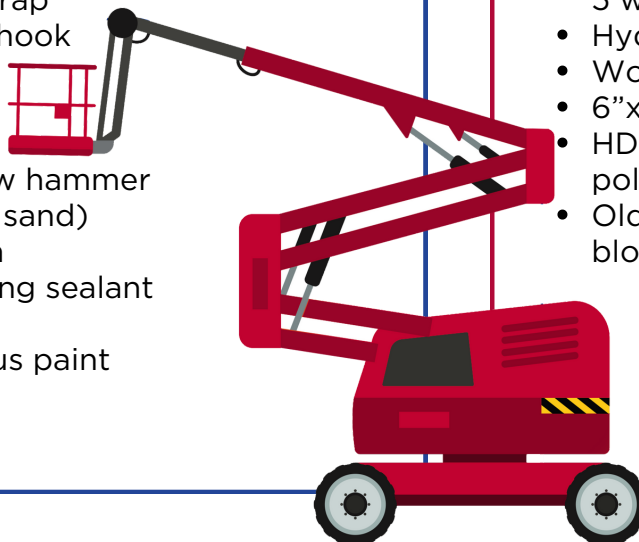
- Sledge hammer
- Pipe wrench (large)
- Crescent wrench (large)
- Channel locks
- Phillips/flat head screwdrivers
- Hex wrench
- Needle-nose pliers
- Thread lock
- Crimp tool
- Tape

Recommendations

- Fish tape (internal)
- 1.25" tap (pole)
- 1/2" & 5/8" tap (ball stem)
- 5/16" tap (cleat)
- Lighter
- Hog rings

INSTALLATION

- Crane/man lift/machinery
- Choker strap
- Strap w/ hook
- Sand
- Stakes
- Level
- Dead blow hammer (compact sand)
- Caulk gun
- Self leveling sealant
- Silicone
- Bituminous paint



REMOVAL

- Strap pipe wrench (ridgid No. 5 with strap for up to 12" pole)
- Hydraulic bottle Jacks 2
- Wood for base of jacks
- 6"x6" blocks 2
- HD strap to strap blocks to pole
- Old innertube piece for under blocks