

# ASSEMBLY WORK INSTRUCTION:

## ATTACHING THE FOOT CONTROL GUARD

Use this work instruction to assemble the P3081512PK Guard kit onto an existing CHANCE® Capstan Hoist Electric Foot Control (PNs: C4170337, C4176145, or C4176145).

### IMPORTANT SAFETY INFORMATION

#### Read and Understand Owner's Manual Before Use

This Owner's Manual contains important information for protecting yourself and others and preventing equipment problems. Failure to follow these safety instructions and precautions can lead to property damage, serious injuries or death. Always read the entire manual before operating the capstan hoist.

The employer or hoist owner is responsible for compliance with all applicable federal, state and local regulations/codes, including NFPA 70E, Standard for Electrical Safety in the Workplace available from the National Fire Protection Association (NFPA), and OSHA regulations. The instructions in the manual are not intended as a substitute for property training or experience in the safe operation of the product. Only competent technicians familiar with the product should install, operate or service it.

#### Safety Messages

Throughout this manual DANGER, WARNING, CAUTION, NOTICE and the SAFETY ALERT SYMBOL will be used.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible serious injury or death. It may also have one of the following signal words.

#### DANGER

**DANGER:** Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

#### WARNING

**WARNING:** Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



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## WARNING

This manual is NOT intended as a substitute for adequate training. The equipment and procedures covered in this manual must only be performed by trained and competent personnel, familiar with and following approved work and safety practices. These instructions neither cover all details or situations in equipment use, nor do they provide for every possible contingency to be encountered during the assembly process.

Failure to follow the procedures outlined in this manual will result in quality issues and/or defective products. Follow each step closely.

## DANGER

Follow all manufacturer's labeling and instructions for the safe handling of tools and equipment mentioned within this manual. This includes the use of personal protective equipment (PPE) where recommended by the tool manufacturer.

### MATERIALS NEEDED

- 5/16" Nut Driver
- Phillips and Flat screwdriver
- Adjustable Pliers
- 9/64" Drill Bit
- Drill Motor
- Vice or Clamp
- Safety Glasses
- Center Punch
- Hammer
- Tape
- Scissors
- CHANCE® Capstan Hoist Electric Foot Control (C4170337, C4176145, or C4176145)
- CHANCE® Capstan Hoist Electric Foot Control Guard Kit (P3081512PK)

### STEP 1. DISASSEMBLY

## DANGER

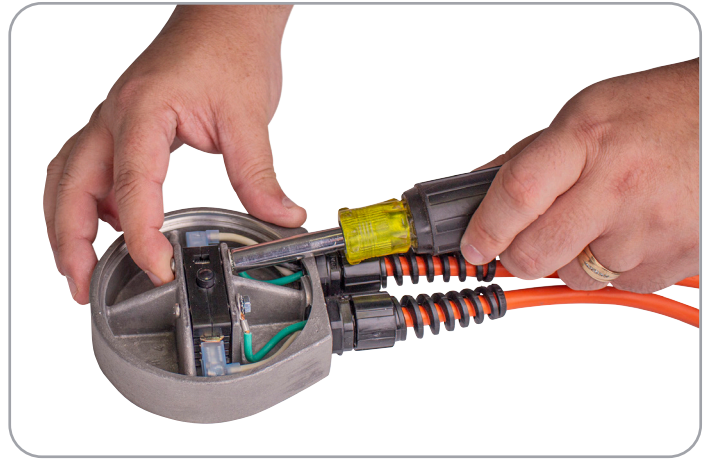
The foot control switch must be unplugged from the wall outlet to prevent personal injury from electrocution!

- A. Ensure that foot switch is unplugged from the power source and from the Capstan Hoist. Use a flat screwdriver to remove the retaining ring as shown below.



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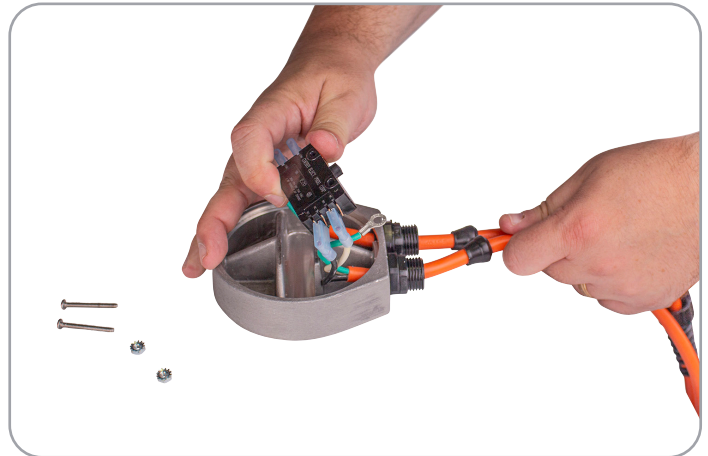
- B. Lift the rubber dust cover off the foot control body.
- C. Remove the two 5/16 nuts and the two mounting screws. This will also disconnect both green wires.



- D. Lift up on the switch leaving the two black and two white wires connected.
- E. Loosen both black plastic strain relief caps where the orange cords enter the housing and slide the caps up the orange cord.

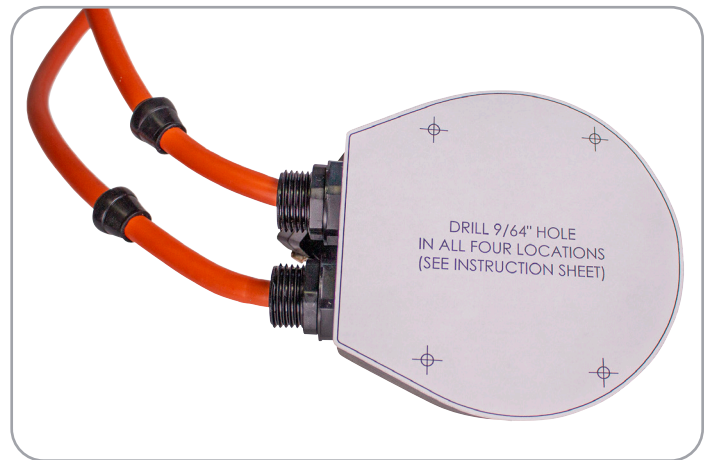


- F. Slide back the rubber grommets beneath the caps.
- G. Feed both orange cords into the housing as needed to allow the switch to be removed from the housing.
- H. The switch should now be maneuverable out of the way of the drill bit used in the next step.



## STEP 2. DRILLING THE SCREW HOLES

- A. Cut out the hole location template along the dashed lines with scissors.
- B. Tape down the template onto the bottom of the housing oriented as shown.
- C. Place the housing into a vice or clamp it down to edges of a workbench to secure it. Maneuver the switch body completely away from the drill bit path.
- D. Carefully mark the four screw hole locations with a hammer and center punch.



**⚠ DANGER**

Use eye protection.

- E. Using a 9/64 bit, drill all four holes approximately 3/8 of inch deep into the housing.



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## **WARNING**

Be careful not to damage any wires or the switch, as the drill bit penetrates through.

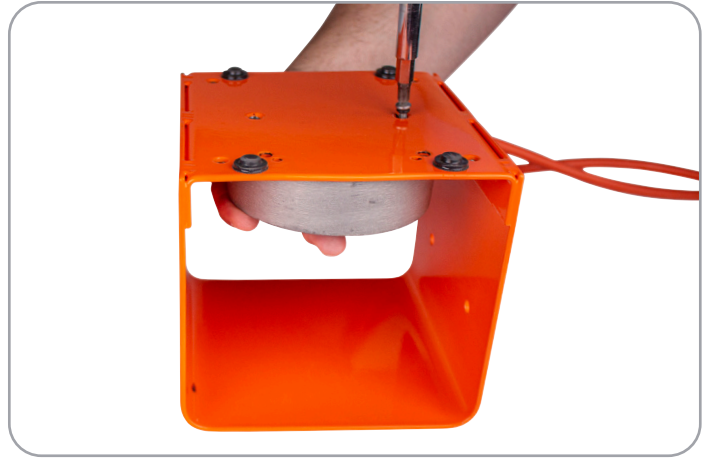
### **STEP 3. REASSEMBLY**

- A. Re-insert the switch into mounting position in the center of the housing and position the connecting wires toward the bottom of the housing, so that they will not be smashed when the operator uses the foot switch.
- B. Insert the two long screws through the holes in the housing and the switch. Slide both terminal rings on the green wires onto each of the screws and anchor everything in place by reinstalling and tightening the two 5/16 nuts.
- C. Slide rubber grommets back into place along the orange cords.
- D. Slide both black plastic strain relief caps back into position then tighten the caps making sure the wires inside the housing are not stretched too tightly.
- E. Re-position the rubber dust cover into place over the switch and wire.
- F. Place the silver retaining ring in housing with the opening in the ring towards the orange cords.
- G. Use a pair of pliers to secure the silver retaining ring into the slot along the inner rim of the housing.



#### STEP 4. ATTACHING THE GUARD

- A. Place one rubber washer on each self-tapping screw.
- B. Turn the guard upside-down and Insert the foot switch also upside down.
- C. Use the Phillips screwdriver to install four self-tapping screws into the holes in the foot control housing. Do not fully tighten any screws until all four screws are started into position.
- D. Fully tighten all four screws to anchor the foot control into the base of the guard.



#### ASSEMBLY COMPLETE



*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Hubbell Power Systems, Inc.*

