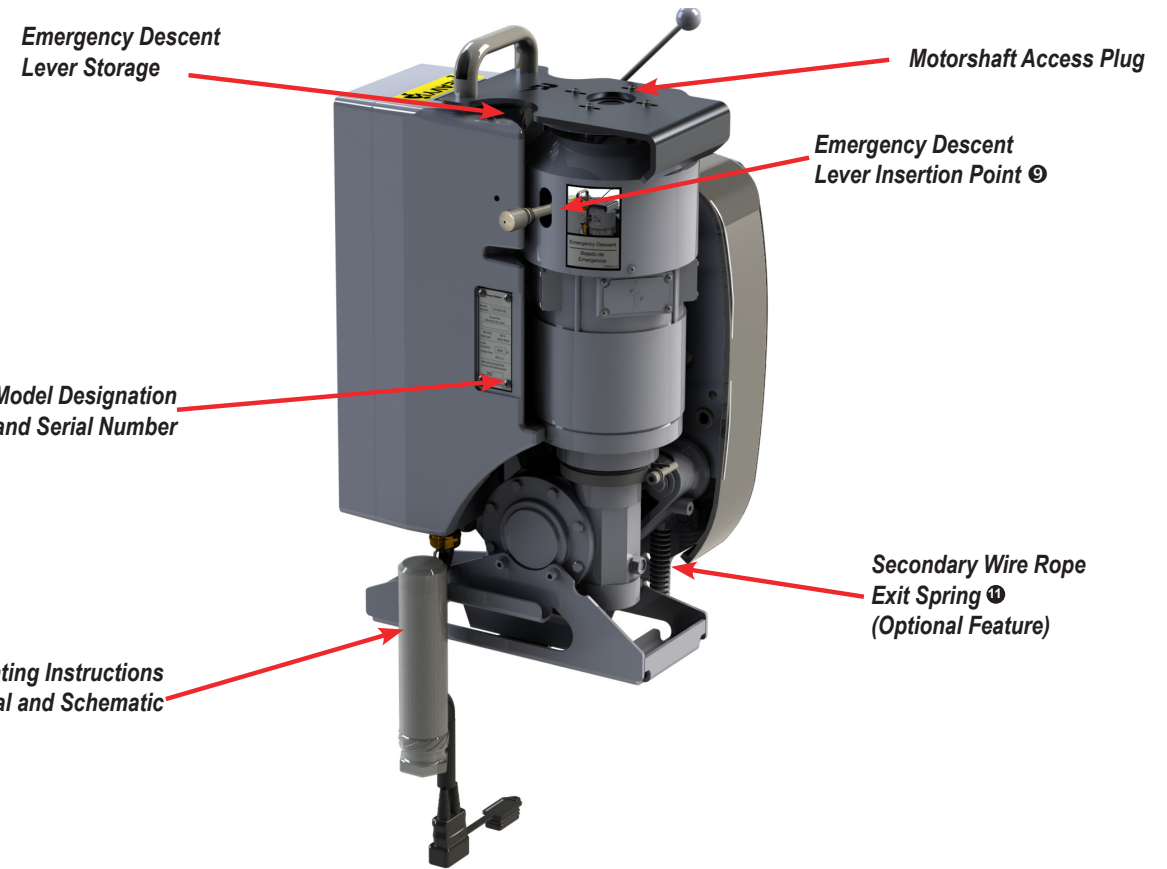


# HOIST OPERATION QUICK REFERENCE

PC3-RE HOIST

READ THE OPERATORS MANUAL BEFORE USING THIS QUICK REFERENCE

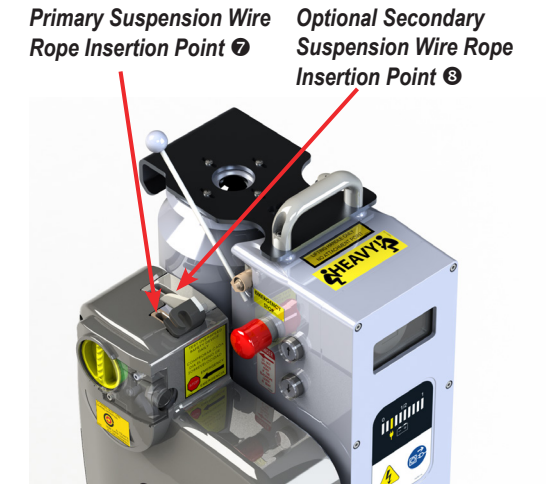


## NORMAL OPERATION

- Confirm battery connection by verifying the ↑UP operation Button ① is illuminated green. Verify battery charge level is sufficient for anticipated use ⑫. Push in the ↑UP operation button to display battery charge level.
- For routine travel in the ↑UP direction, push in the ↑UP operation button ①.
- For routine travel in the ↓DOWN direction, push in the ↓DOWN operation button ②.
- Both buttons are spring-loaded and will return to the OFF position AND apply the brake when released.
- **After releasing the buttons, if the hoist does not immediately stop, press the emergency stop ③ AND the overspeed brake test button ⑤.**
- **Unplug the power supply cable ④.**
- Perform daily testing and inspection (see over) to ensure safe and correct operation. **DO NOT** use the hoist for lifting until it has successfully completed the daily tests.

## REEVING

- Push the primary suspension wire rope through the primary suspension wire rope insertion point ⑦ approximately 15 inches.
- Operate the hoist in the ↑UP direction while pushing the rope into the hoist.
- Ensure the wire rope runs freely through the Primary Wire Rope Exit Guide ⑩.
- If the hoist is equipped with an optional secondary suspension wire rope, push the secondary suspension wire rope through the secondary suspension wire rope insertion point ⑧ until it exits the hoist ⑪.
- Attach a 25 lb (11.5 kg) weight to the end of the secondary wire rope to assist secondary wire rope travel.



## DEREEVING SECONDARY SUSPENSION WIRE ROPE

- In order to remove the optional secondary suspension wire rope, there must be no slack on the primary suspension wire rope and the platform must be supported on a stable surface.
- Remove the counterweight from the end of the secondary suspension wire rope.
- Pull the secondary suspension wire rope out of the hoist by hand.
- If necessary, the primary suspension wire rope can now be removed from the hoist.

## DEREEVING PRIMARY SUSPENSION WIRE ROPE

- **WARNING!** To prevent hoists and platform from tipping and avoid injuries, ensure that the platform is properly supported on a stable, flat surface before putting slack on the primary suspension wire rope.
- Push in the ↓DOWN operation button ② to wind the primary suspension wire rope out of the hoist. To remove the last 15 inches (40 cm) of wire rope, if necessary, grab the wire rope above the primary suspension wire rope insertion point ⑦, hold the overspeed brake reset knob ⑥ in the reset position (vertical) and slowly pull the primary suspension wire rope out of the hoist.

## DAILY TESTING AND INSPECTION

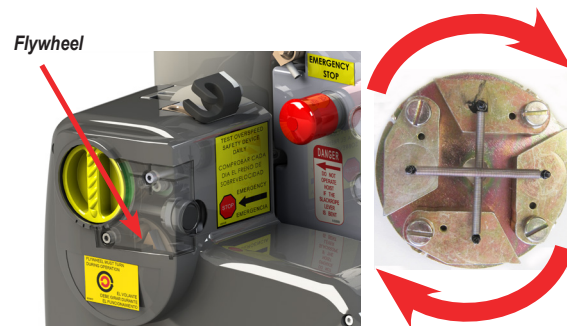
- Before operating the hoist, inspect the following:
  - Wire rope, Power supply, Rigging, Platform, and Hoist
  - All parts are present, in proper working order, and are not damaged.
  - Bolts, nuts, and clamps are well secured.
  - Ensure the hoist is secured to the stirrup with SAE Grade 5 fasteners and lock nuts that are properly installed.
- In a dirty environment that contains epoxy, paint, cement, sand blast residue, or corrosive material, inspect the operation of the overspeed brake several times a day. Protective hoist covers are recommended. Contact your supplier.

## BATTERY CHARGE LEVEL

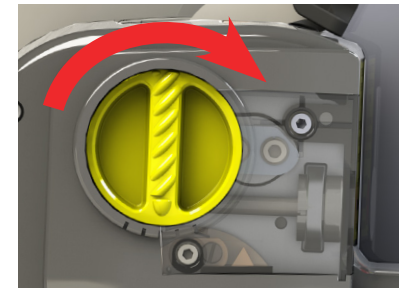
- The battery will recharge as the hoist is operated in the down direction.
- Use the Battery Charge Level Indicator ⑩ to determine if there is sufficient charge for anticipated use.
- If power is lost while suspended, use the emergency descent lever ⑨ to lower the platform.

## TEST THE OVERSPEED BRAKE

- While powering the hoist ↑UP and ↓DOWN approximately 3 feet (1 meter), look through the window into the overspeed compartment to see whether the flywheel is turning.



- Dereeve the wire rope:
- Re-insert the wire rope about 12" (30 cm) into the hoist.
- Holding the wire rope firmly, pull it out quickly. If the brake is working correctly, it will grab and hold the wire rope in less than 4" (10 cm). The ↓DOWN button will light up **RED** to indicate the overspeed brake has activated and the ↓DOWN circuit has been interrupted.
- Repeat this test at least 3 times. If the brake does not work correctly every time, **DO NOT USE THE HOIST**. Return the hoist to your supplier.
- Reset the overspeed brake by turning the overspeed brake reset knob ⑥ clockwise.



## TEST THE OVERSPEED BRAKE TEST BUTTON

- Push in the ↑UP operation button ① and raise the platform approximately 3 feet (1 meter).
- Remove the Emergency Descent Lever from the storage location and insert into brake through the motor fan shroud ⑨.
- Lift the Emergency Descent Lever. As the hoist begins to descend, push the Overspeed Test Button ⑤.
- The hoist **MUST** stop IMMEDIATELY!

## TEST THE EMERGENCY STOP BUTTON

- While running the hoist in either direction, press the red emergency stop button ③.
- Once the emergency stop button ③ has been pressed, the hoist should not move at all.
- To reset the emergency stop button ③, pull the button out.

## TEST THE EMERGENCY DESCENT

- Raise the platform approximately 3 feet (1 meter).
- Remove the Emergency Descent Lever from the storage location and insert into brake through the motor fan shroud ⑨.
- Pull up the emergency descent lever ⑨ **SLOWLY**, to make sure the hoist does not overspeed. The platform should descend at a\* slow, controlled speed.

**WARNING!** If the overspeed brake trips while testing the emergency descent, the emergency descent system is not working properly and **THE HOIST SHOULD NOT BE USED**.