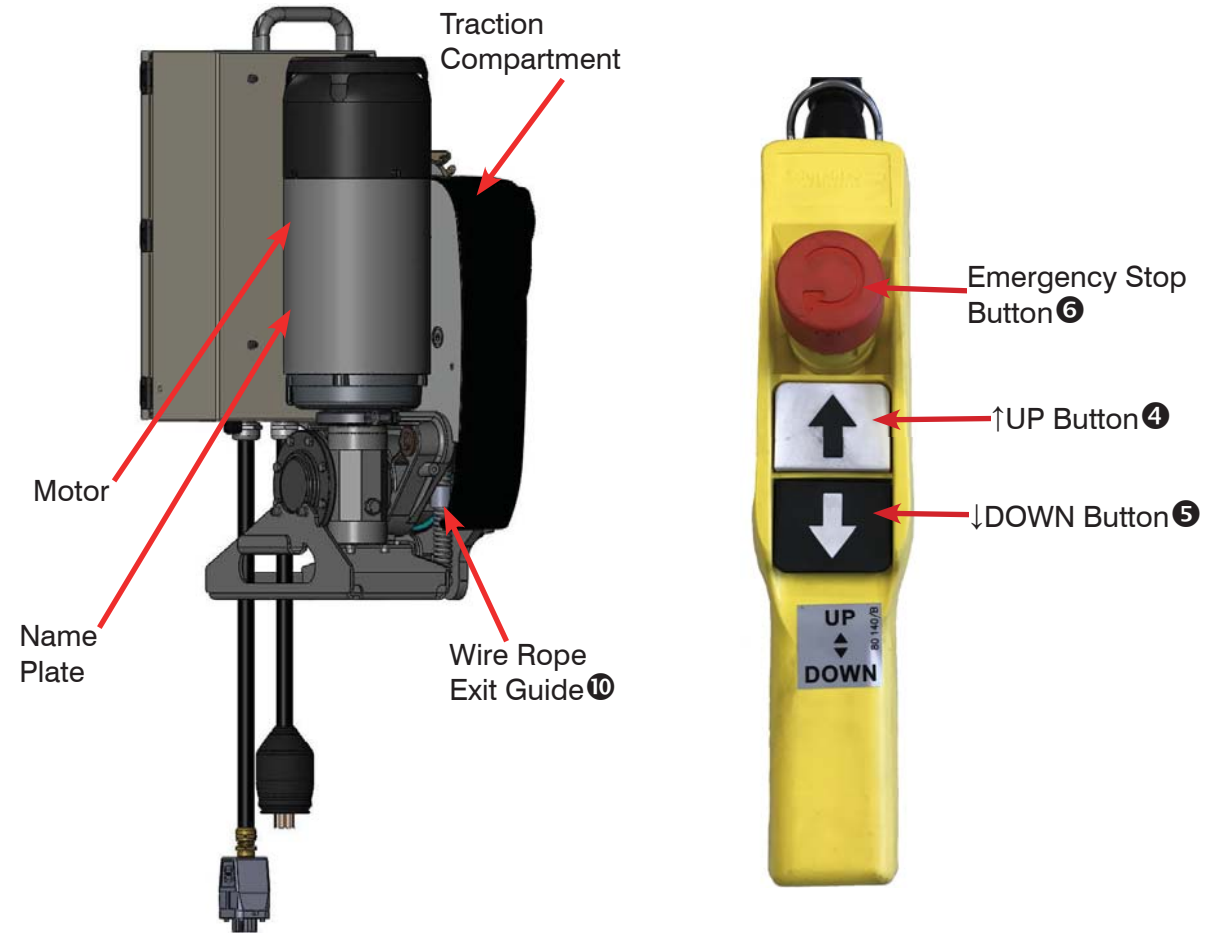
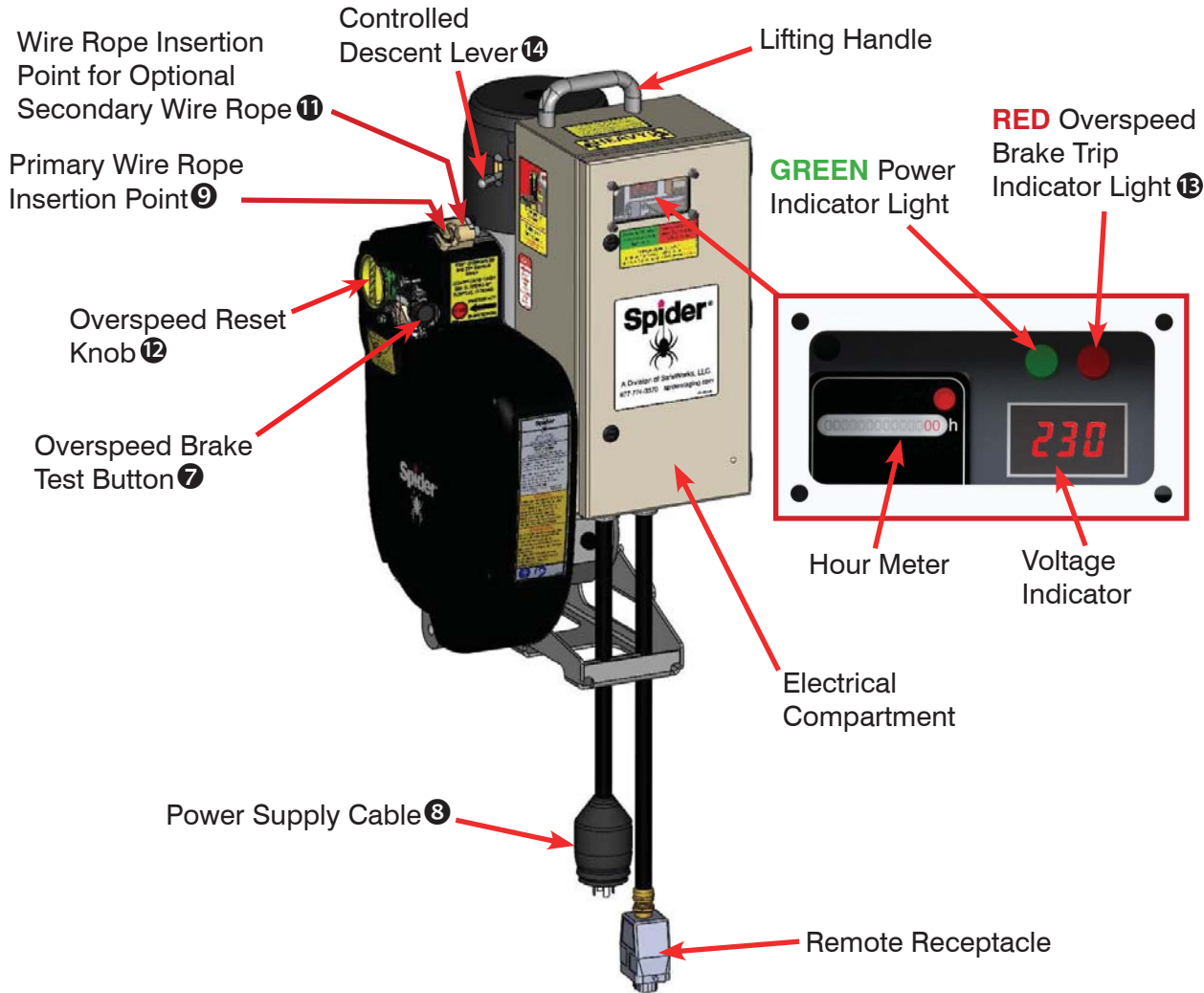


# HOIST OPERATION QUICK REFERENCE

SPIDER SC1500-GHS HOIST

READ THE OPERATOR'S MANUAL BEFORE USING THIS QUICK REFERENCE

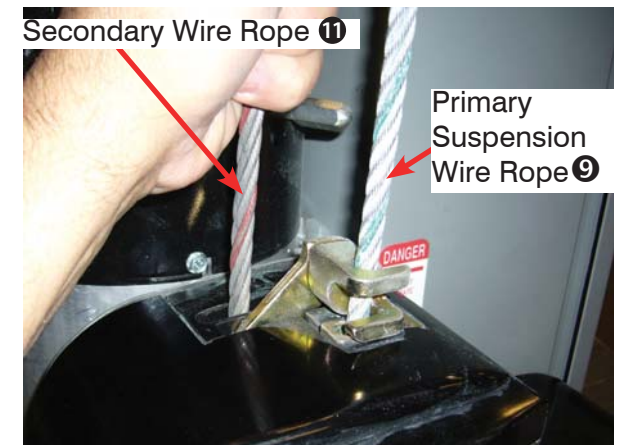


## NORMAL OPERATION

- For routine travel in the ↑UP direction, press the ↑UP operation button 4.
- For routine travel in the ↓DOWN direction, press the ↓DOWN operation button 5.
- Both buttons are spring-loaded and will return to the OFF position AND apply the brake when released. **If the hoist does not immediately stop, press the emergency stop button 6 AND the overspeed brake test button 7. Unplug the power supply cable 8.**
- Perform daily testing and inspection (see other side of this quick reference) 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 9 approximately 15 inches.
- Operate the hoist in the ↑UP direction while a second person pushes the wire rope into the hoist.
- Ensure the wire rope runs freely through the 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 11 until it exits the hoist.
- Attach a 25-lb weight to the end of the secondary wire rope to assist secondary wire rope travel.



## DE-REEVING SECONDARY SUSPENSION WIRE ROPE

- The secondary suspension wire rope **MUST** be de-reeved before the primary 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.

## DE-REEVING PRIMARY SUSPENSION WIRE ROPE

- The secondary suspension wire rope **MUST** be de-reeved before the 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.
- Press the ↓DOWN operation button **5** to de-reeve the primary suspension wire rope out of the hoist. To remove the last 15 inches of wire rope, if necessary, grab the wire rope above the primary suspension wire rope insertion point **9**, hold the overspeed brake reset knob **12** 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
  - 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.

## TEST THE CONTROLLED DESCENT

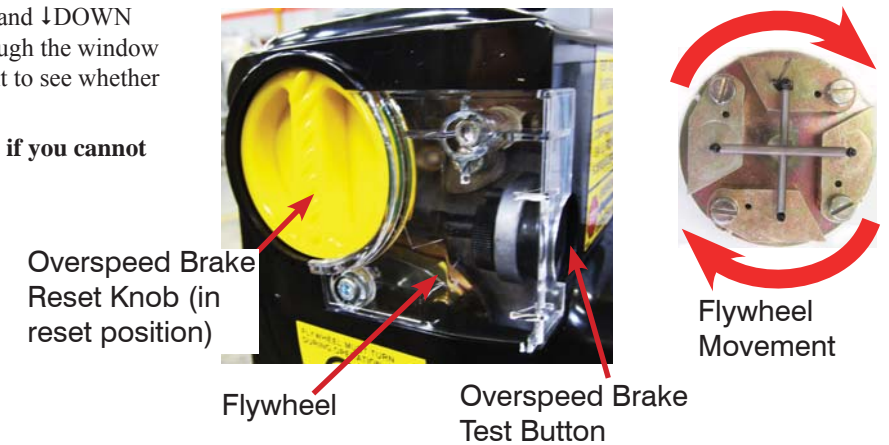
- Raise the platform approximately 3 feet.
- **Disconnect the power supply.**  
NOTE: Failure to disconnect the power supply before testing the controlled descent will activate the overspeed, resulting in an inaccurate controlled descent test.
- Lift the controlled descent lever **14**.  
NOTE: The controlled descent lever released the motor brake, which will allow the platform to be lowered slowly during controlled descent.

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

## TEST THE OVERSPEED BRAKE

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

**NOTE: Do NOT use the hoist if you cannot see the flywheel turning.**



- De-reeve the wire rope.
- Re-insert the wire rope about 12" 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". When the ↓DOWN button is pressed, the **RED** light **13** in the electrical box will illuminate to indicate the overspeed brake has been 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 **12** clockwise.



## TEST THE OVERSPEED BRAKE TEST BUTTON

- Press the ↑UP operation button **4** and raise the platform approximately 3 feet.
- Press the ↓DOWN operation button **5**, and, at the same time, press the overspeed brake test button **7**.
- The platform should stop immediately. **WARNING!** If the hoist does not immediately stop the platform when the overspeed brake test button **7** is pushed, this indicates the motor is out of phase. Stop pushing all three buttons and **CORRECT THE PROBLEM BEFORE THE HOIST IS PUT IN SERVICE**.
- Reset the overspeed brake by powering the hoist ↑UP a few inches to disengage the brake and then turn the overspeed brake reset knob **12** clockwise.

## TEST THE EMERGENCY STOP BUTTON

- While running the hoist in either direction, have a second person press the red emergency stop button **6**.
- Once the emergency stop button **6** has been pressed, the hoist should not move at all.
- To reset the emergency stop button **6**, twist clockwise until the button pops out.