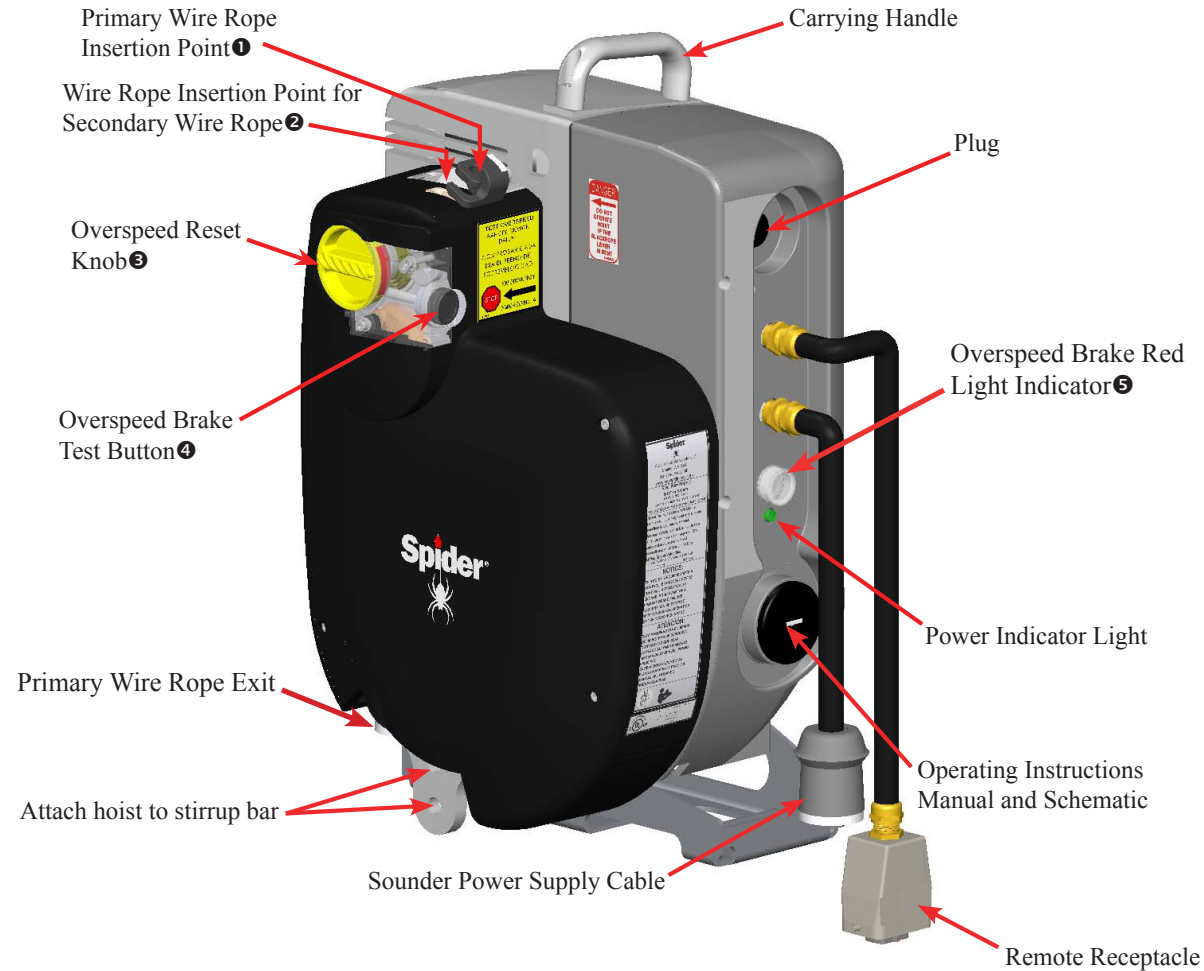


# HOIST OPERATION QUICK REFERENCE

SPIDER SC1500 1-PHASE OTIS PART NO. 709547-2

READ THE OPERATIONS MANUAL BEFORE USING THIS QUICK REFERENCE



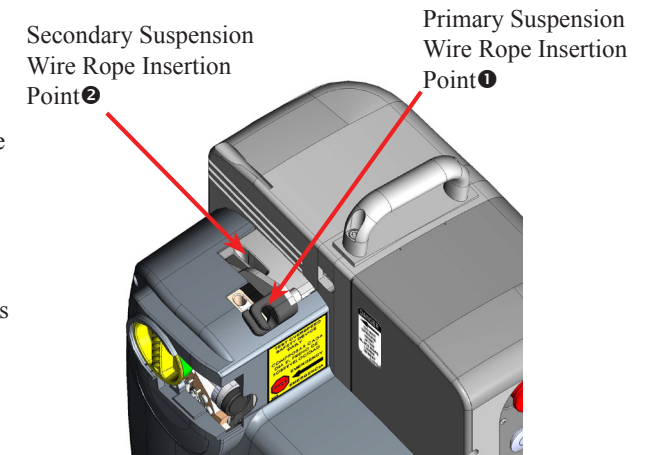
## NORMAL OPERATION

- For routine travel in the ↑UP direction, push in the ↑UP operation button on remote pendant (not shown).
- For routine travel in the ↓DOWN direction, push in the ↓DOWN operation button on remote pendant (not shown).
- 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 on the remote AND the overspeed brake test button ❹.**
- 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 ❶ 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 wire rope exit guide ❼.
- Push the secondary suspension wire rope through the secondary suspension wire rope insertion point ❷ until it exits the hoist.
- Attach a 25 lb (11.5 kg) weight to the end of the secondary wire rope to assist secondary wire rope travel.



## DEREEVING PRIMARY SUSPENSION WIRE ROPE

For hoists equipped with the optional secondary wire rope, the secondary wire rope must be removed before the primary wire rope is removed.

- **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 the ↓DOWN operation button on the remote pendant 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 ❶, hold the overspeed brake reset knob ❸ in the reset position (vertical) and *slowly* pull the primary suspension wire rope out of the hoist.

## DEREEVING SECONDARY SUSPENSION WIRE ROPE

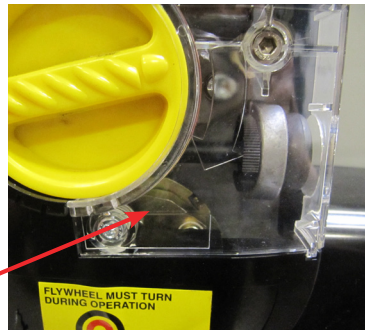
- In order to remove the secondary suspension wire rope, there must be no slack on the primary suspension wire rope and the platform must be supported on a stable surface.
- Remove the counterweight from the end of the secondary suspension wire rope.
- Pull the secondary suspension wire rope out of the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

## 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 OVERSPEED BRAKE

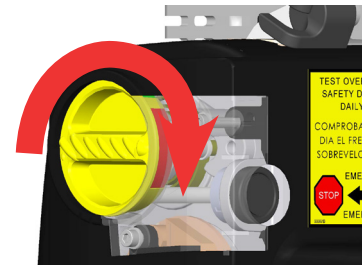
1. While powering the hoist ↑UP and ↓DOWN approximately 3 feet (1 meter), look through the window into the overspeed compartment to see whether the flywheel is turning.



Continued 

## TESTING THE OVERSPEED BRAKE, CONTINUED

2. Dereeve the wire rope.
3. Re-insert the wire rope about 12" (30 cm) into the hoist.
4. 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 red indicator light ❹ on the front of the hoist will light when the brake is activated.
5. Reset the overspeed brake by turning the overspeed brake reset knob ❸ clockwise.
6. 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.



## TEST THE OVERSPEED BRAKE TEST BUTTON

- Push the ↑UP operation button on the remote pendant and raise the platform approximately 3 feet (1 meter).
- While pushing the ↓DOWN operation button on the remote pendant, push in the overspeed brake test button ❷.
- The platform should stop immediately. **WARNING!** If the hoist does not immediately stop the platform when the overspeed brake test button ❷ is pushed, this indicates the motor is out of phase. Stop pushing both buttons and CORRECT THE PROBLEM BEFORE THE HOIST IS PUT IN SERVICE.
- Reset the overspeed brake by turning the overspeed brake reset knob ❸ clockwise.

## TEST THE EMERGENCY STOP BUTTON

- While running the hoist in either direction, press the emergency stop button on the remote.
- Once the emergency stop button has been pressed, the hoist should not move at all.
- Twist to reset the emergency stop button.

## TEST THE CONTROLLED DESCENT

- Raise the platform approximately 3 feet (1 meter).
- Disconnect the power supply cable.
- Pull up the controlled descent lever ❹ CAREFULLY, 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 controlled descent, the controlled descent system is not working properly and THE HOIST SHOULD NOT BE USED.