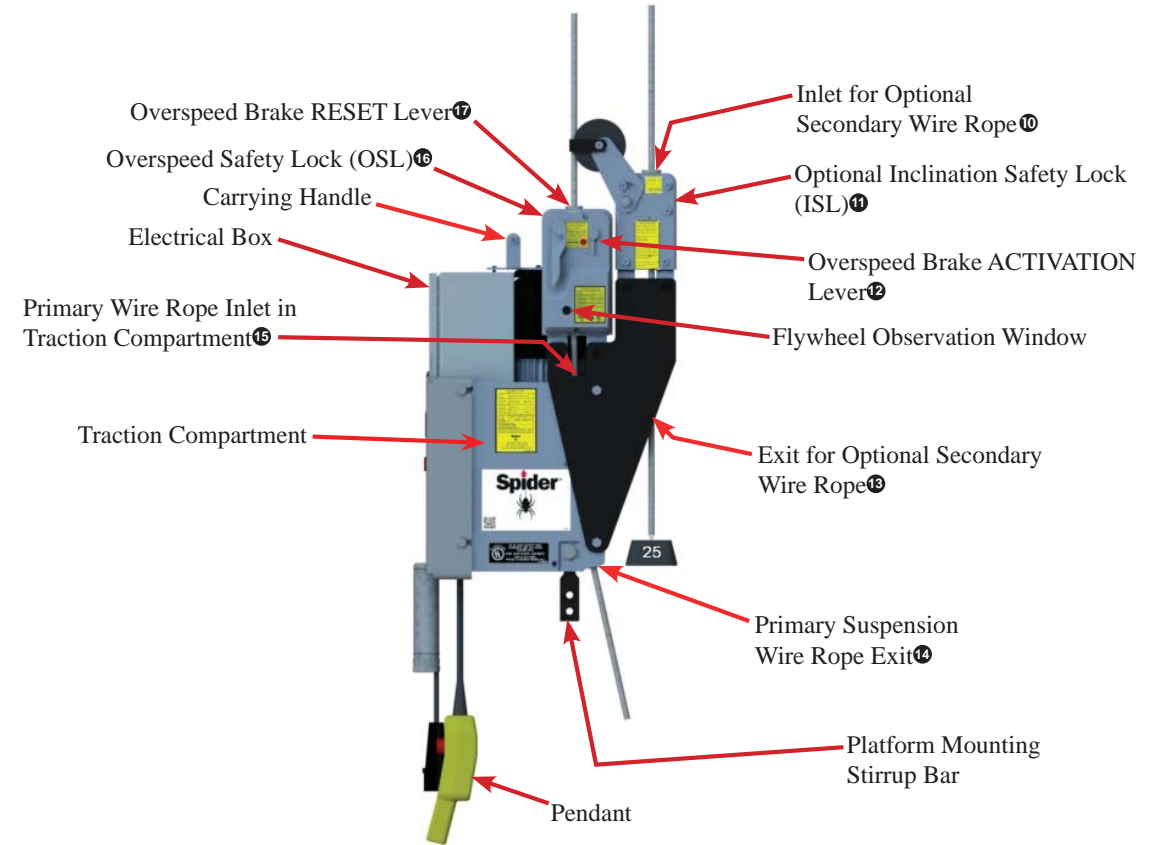
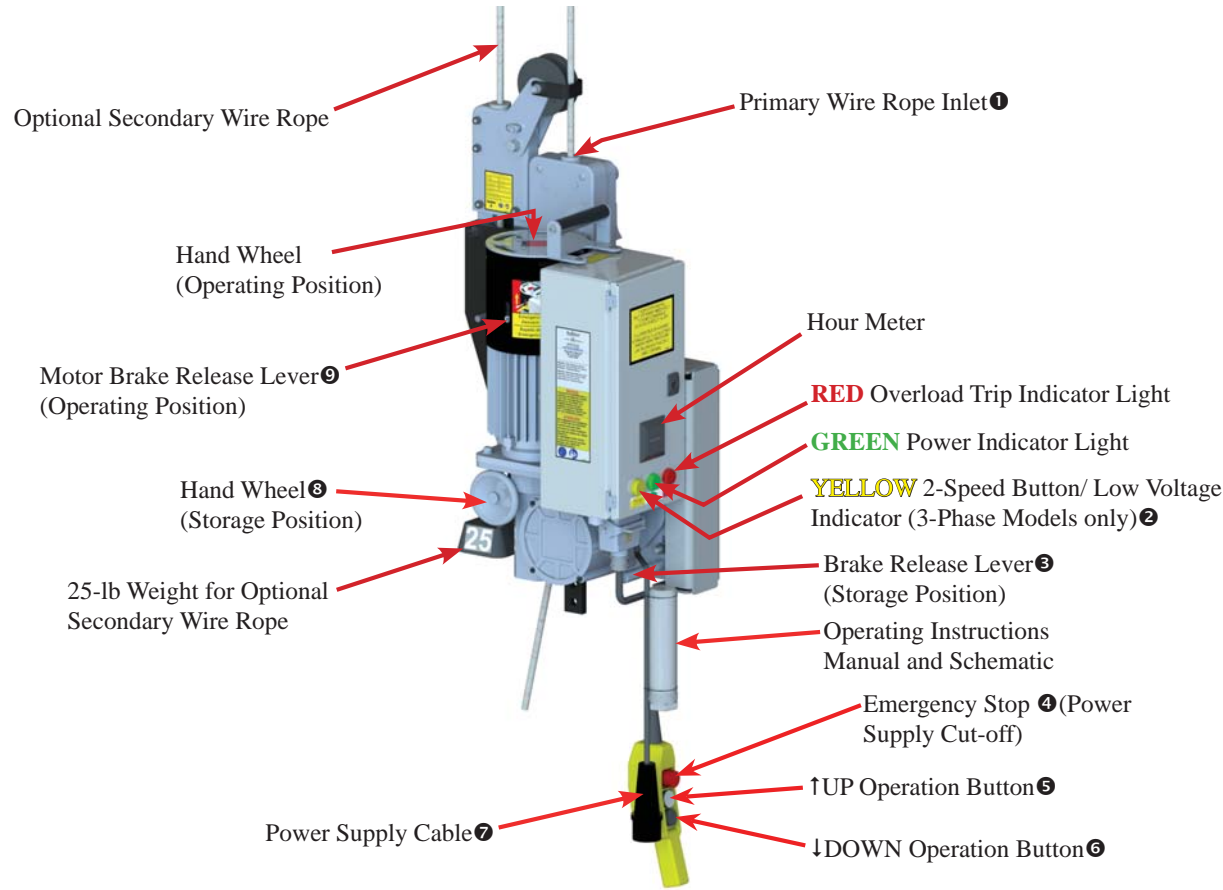


HOIST OPERATION QUICK REFERENCE

UPPRO SERIES HOISTS

READ THE OPERATOR'S MANUAL BEFORE USING THIS QUICK REFERENCE

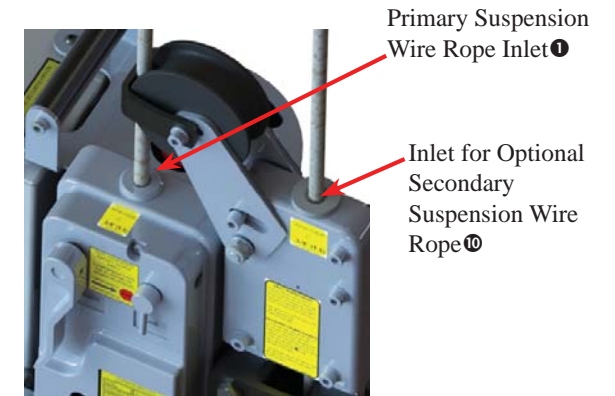


NORMAL OPERATION

- Switch the control unit on by turning the red emergency stop button on the pendant in the clockwise direction until it pops out.
- For routine travel in the ↑UP direction, push in the ↑UP operation button 5. For routine travel in the ↓DOWN direction, push in the ↓DOWN operation button 6.
- The ↑UP/↓DOWN buttons have two pressure points. The first pressure point is for the slower speed. Push the ↑UP or ↓DOWN button again for the faster speed. On 4-speed models, press the yellow button 2 for the next highest speed.
- The ↑UP/↓DOWN buttons are spring-loaded and will return to the OFF position AND apply the brake when released.
- **If the hoist does not immediately stop the platform, press the emergency stop 4 AND turn the overspeed brake ACTIVATION lever 12 in the LOCK direction. Unplug the power supply cable 7.**
- 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.
- **WARNING!** Do NOT operate the hoist if, at any time, you cannot see the flywheel turning.

REEVING

- Push the primary suspension wire rope through the the wire rope inlet of the overspeed safety lock and guide it into the wire rope inlet of the hoist's traction compartment 15.
- When you cannot push the wire rope into the hoist's traction compartment any further (because the traction roller has gripped it), operate the hoist in the ↑UP direction until the wire rope passes through the hoist's traction compartment exit 10.
- If the hoist is equipped with an optional secondary suspension wire rope, push the secondary suspension wire rope through the wire rope inlet in the inclination safety lock 11 until it passes through the ISL exit 13 and the brackets.
- Attach a 25-lb (11.5-kg) weight to the end of the secondary wire rope to assist secondary wire rope travel.



DE-REEVING 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 to avoid injuries, ensure that the platform is properly supported on a stable, flat surface before putting slack in the primary suspension wire rope.
- Push in the ↓DOWN operation button ⑥ to wind the primary suspension wire rope out of the hoist. When the wire rope stops moving, pull the wire rope upward out of the overspeed safety lock ④ SLOWLY to avoid tripping the overspeed brake. To release the overspeed brake, run the hoist ↑UP and turn the overspeed brake RESET lever ⑦ clockwise in the UNLOCK direction.

DE-REEVING 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 flat, stable surface.
- Remove the counterweight from the end of the secondary suspension wire rope.
- Pull the secondary suspension wire rope out of the ISL ⑩ by hand.
- If necessary, the primary suspension wire rope can now be removed from the hoist.

RESETTING THE OVERLOAD

- Push in the emergency stop button ④ on the pendant and wait until the RED light on the electrical box goes out.
- Switch the unit on again by turning the emergency stop button clockwise until it pops out.

DAILY TESTING AND INSPECTION

- Before operating the hoist, inspect all of 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 EMERGENCY STOP BUTTON

- Conduct a test run with the hoist's maximum working load (2,200 lbs or 1000 kg).
- Press the red emergency stop button ④ while running the hoist in either direction.
- Once the emergency stop button has been pressed, the hoist should not move at all.
- To reset the emergency stop button, turn the button clockwise until it pops out.

TEST THE CONTROLLED DESCENT

- Raise the platform approximately 3 feet (1 meter) and then disconnect the power supply cable.
- Remove the brake release lever ⑨ from its storage cylinder, insert into the opening in the motor cover, and lift the brake release lever. This will allow the platform to be lowered slowly.

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.

TEST THE OVERSPEED BRAKE & ACTUATION LEVER

- While powering the hoist ↑UP and ↓DOWN approximately 3 feet (1 meter), look through the round window into the overspeed safety lock to see whether the flywheel is turning.
- De-reeve the wire rope.
- Re-insert the wire rope about 12" (30 cm) into the hoist's OSL wire rope inlet ①.
- Holding the wire rope firmly, pull it out *quickly*. If the overspeed brake is working correctly, it will grip and hold the wire rope in less than 4" (10 cm).
- Repeat this test at least 3 times. If the overspeed brake does not work correctly every time, DO NOT USE THE HOIST. Return the hoist to your supplier.
- Release the overspeed brake by turning the overspeed brake RESET lever ⑦ clockwise in the UNLOCK direction. The overspeed brake ACTIVATION lever ② should return to its vertical, locked position.
- While raising or lowering the hoist, activate the overspeed brake by turning the overspeed brake ACTIVATION lever ② on the OSL in the counterclockwise or LOCK direction. The hoist should not travel in the ↓DOWN direction.
- Release the overspeed brake by turning the overspeed brake RESET lever ⑦ clockwise in the UNLOCK direction. The overspeed brake ACTIVATION lever ② should return to its vertical, locked position.

Flywheel
Observation
Window



Turn overspeed brake
RESET lever ⑦
clockwise



Overspeed brake
ACTIVATION
lever ② returns to
locked position

TEST THE HAND WHEEL

NOTE: The purpose of the hand wheel ⑤ is to crank the platform upwards just enough to untrip the overspeed brake if it has been tripped due to power loss or something else that has prevented upward movement.

- Activate the overspeed brake by turning the overspeed brake ACTIVATION lever ② counterclockwise in the LOCK direction.
- Remove the small cap in the motor cover and unscrew the screw that retains the hand wheel enough to remove the hand wheel. Insert the hand wheel into the motor in place of the small cap and tighten the screw.
- Remove the motor brake release lever ⑨ and insert into the opening in the motor cover. Hold the hand wheel still while pushing the brake lever up, then turn the hand wheel clockwise. The hoist will move up a small amount with each turn until the overspeed brake releases and can be reset with the overspeed brake RESET lever ⑦.

