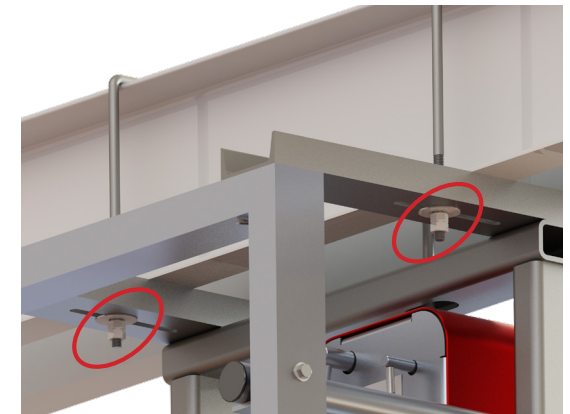
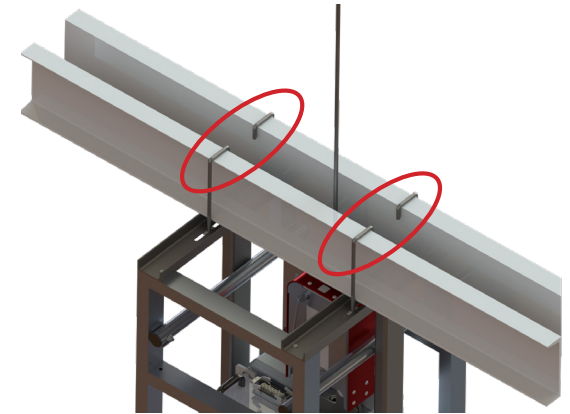
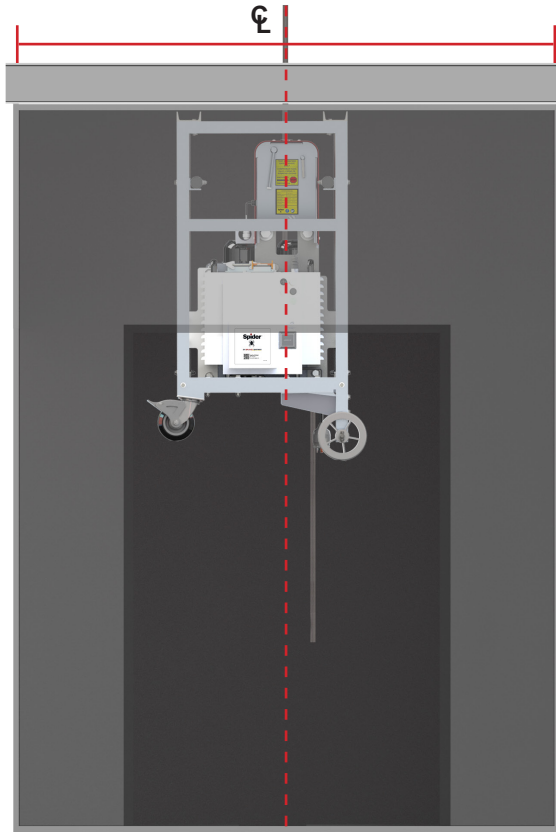
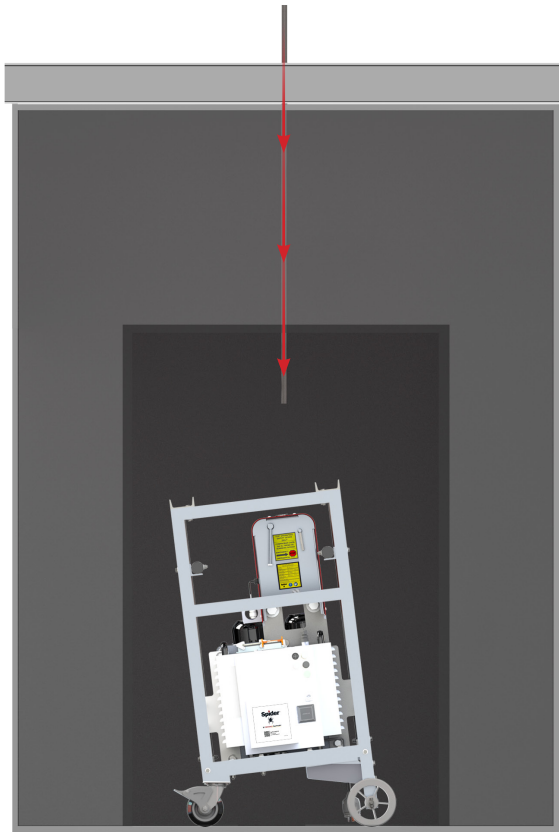


HOIST CART QUICK REFERENCE

UPPRO P2514 HOIST CART



STEP 1

- Roll the hoist cart into the elevator car and rotate the cart 90° so that the overspeed safety lock faces out towards the doorway.
- Route the suspension wire rope down the elevator shaft and through the space between the crosshead beams.
- Plug in the hoist power cable and ensure cable is free of potential obstructions. Snug the Kellums grip from the cart over the power connection to prevent potential loads from being applied to connection.

STEP 2

- Push the suspension wire rope through the wire rope inlet of the overspeed safety lock and guide it into the wire rope inlet of the hoist's traction compartment.
- Run the hoist ↑UP to the top of the elevator car, ensuring that the wire rope is centered in the car and that the cart is flush with the crosshead beams.

STEP 3

- Install the four J-Bolts down and hooked over top of the crosshead beams.
- Secure each J-Bolt with a washer and two jam nuts.
- Measure and verify the suspension wire rope is centered after tightening the J-Bolts.
- The cart is now secured and ready to operate.

NOTE: If secondary line is required, please contact Spider® for setup.

DE-REEVING 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 in the primary suspension wire rope.
- Push in the ↓DOWN operation button 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 SLOWLY to avoid tripping the overspeed brake.

RESETTING THE OVERLOAD

- Push in the emergency stop button on the pendant  and wait until the buzzer on the sounder stops.
- 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.
- Verify that the hoist is secured to the stirrup with Spider® certified hardware that are properly installed. If the hoist is mounted by the traction compartment, verify that at least four M16 bolts (DIN 933) are used.

TEST THE EMERGENCY STOP BUTTON

- Conduct a test run with the hoist's maximum working load 5500 lb/2500 kg (5000 lb/2300 kg Canadian version)
- Press the red emergency stop button while running the hoist in either direction.
- Once the emergency stop button has been pressed, the hoist should not move at all and the **RED** error light on the front of the electrical box should light up. If the hoist keeps running or the error light does not come on, the hoist must be repaired.
- To reset the emergency stop button, turn the button clockwise until it pops out. The **RED** error light should go off.

TEST THE CONTROLLED DESCENT

- Raise the platform approximately 3 ft (1 meter) and then disconnect the power supply.
- Reach between the two motors and pull up on the brake release.
- NOTE: The brake release opens the motor brakes, which will allow the platform to be lowered in a controlled descent. The platform will move quickly.
- **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 rectangle window into the overspeed safety lock to see whether the flywheel is turning.
- **WARNING!** Do NOT operate the hoist if you cannot see the flywheel turning.
- De-reeve the wire rope.
- Re-insert the wire rope about 12" (30 cm) into the hoist's OSL wire rope inlet.
- 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).
- Run the hoist ↑UP and release the overspeed brake by turning the overspeed brake RESET lever clockwise in the UNLOCK direction. The overspeed brake ACTIVATION lever should return to its vertical, locked position.
- 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.
- While raising or lowering the hoist, activate the overspeed brake by turning the overspeed brake ACTIVATION lever 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 clockwise in the UNLOCK direction. The overspeed brake ACTIVATION lever should return to its vertical, locked position.

