



OPERATOR'S MANUAL

For all aerial device from Telelift



WARNING

Please read and understand this manual prior to operating your aerial device.

This equipment should be operated and serviced only by qualified personnel familiar with good safety practices.

Failure to comply with your required responsibilities during the operation of the unit could result in death or serious injury.

The operation of any aerial device is subject to certain hazards than can be protected against only by intelligence, care and common sense.

Vehicle height is indicated on the dashboard and must be always known by operator or driver.

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INTRODUCTION

This operation manual is provided as a practical guide and reference for essential information for your Telelift™ aerial device. Proper operation of the aerial device is the responsibility of the operator. *Operating limits of the unit must be understood clearly.* Personnel using or responsible for the operation of, must be familiar with the unit's functionalities and are required to comply with CSA225.10 and/or ANSI A92.2 sections referring to aerial devices.

It is important to review ALL the sections in this document. For any questions, contact the manufacturer.

This manual's purpose is intended for qualified personnel and is not intended as a training document.

Regular inspection and maintenance are necessary to maintain the unit's reliability and safe operation.

This manual should be considered as a part of the aerial device and should remain with the unit.

The manufacturer reserves the right to make changes to the document without any obligation to incorporate reviewed information to previous operation manuals for these products.

No manual can address every conceivable operating hazard. Therefore, the prevention of accidents is greatly dependent on the common sense of the operator.



SAFETY / BEST PRACTICES

The manufacturer has no direct control over the operation and conduct of the aerial device nor over the weather, terrain and the condition of the vehicle and equipment at the time of operation. Safe operation is the responsibility of the main user as well as all operations and maintenance personnel.

A dependable mean of communication to call for support should be worn by the operator at all times while operating the aerial device.

A daily aerial inspection prior to the operation is strongly recommended. Look for stress cracks, hydraulic leaks, deformed components, and other abnormalities.

A safety harnesses and certified safety lanyard must be secured to the designated anchor in the basket at all times when operating the aerial unit.



Positioning the vehicle before using the aerial device

- ✓ Operator must assure complete awareness of the environment and identify various potential risk of collision with structures, cables, and power sources.
- ✓ A side-to-side level is installed on the dashboard for a quick evaluation of the vehicle's inclination. Accessories such as outrigger pads can be used under tires to level up the vehicle within the 5° limitation.
- ✓ Vehicle inclination can be checked on the level located at the rear of the vehicle. National safety standards (CSA225.XX) allows a maximum of 5° incline on longitudinal and transverse axis from leveled ground. It is the operator's responsibility to stay within these limitations.
- ✓ During the vehicle level check, it is important to visually inspect tires. Vehicle's condition is solely contributing to the aerial device stability.

Prior to using the aerial device, the operator shall evaluate working grounds and check for:

- ✓ Terrain level (max +/- 5°)
- ✓ Traffic
- ✓ Overhead obstructions
- ✓ Soil stability
- ✓ Confined spaces
- ✓ Power lines



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Using the aerial device

- ✓ With respect to device's reach, the vehicle must be safely and well positioned to perform the work.
- ✓ It is **not** recommended to perform aerial operation in stormy conditions where wind gusts over 50km/h (31mph) are present.
- ✓ Avoid operating the aerial device in weather conditions with high risk of lightning.
- ✓ Once parked, traffic signs such as traffic arrows or strobes are highly recommended and mandatory in some locations.
- ✓ We suggest that traffic cones be strategically placed to secure the work area.
- ✓ To activate the aerial device, 2 conditions are required:
 - ✓ Vehicle transmission must be on 'PARK'
 - ✓ Parking brake must be engaged
- ✓ Press the pushbutton located on the dashboard area.
- ✓ A Green light will turn on when aerial device is ready to be used.
- ✓ Enable the remote control by disengaging the E-Stop button.
- ✓ Press the START button and UP control button to move unit out of its cradle.

Remote is “on” and unit will not move

- ✓ Make sure parking brake is enabled
- ✓ Make sure that vehicle is in “park”
- ✓ Check the batteries in the remote
- ✓ Check and see if remote is paired with the receiver.
- ✓ If the unit is still not responding, check the switch on the ‘Lower control box’ (at the back of the vehicle) is in the correct position (set to “upper control”).
- ✓ Check if E-stop button (mushroom shape) is “disengaged” (not pushed in).
- ✓ Press firmly on “Start” button **at the same time as** the control button (UP to clear the ladder from the cradle).



AERIAL DEVICE OPERATION

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- ✓ Aerial boom can descend as low as -15 degrees down and can therefore damage the vehicle's roof, any mounted accessory or bucket if it hits the ground.
- ✓ To access the bucket, open the rear gate by rotating the right-hand side of the gate until handle is upward.
- ✓ The operator must attach his certified safety lanyard to the provided black swivel anchor hook.
- ✓ Once the operator is secured with the lanyard, the rear entrance gate must be closed and locked back in place. The operator is now ready to operate the aerial device (lanyard attached and gate closed).

JUKKO push button remote

- ✓ The remote is powered by (2) AA type alkaline batteries. Check or replace batteries monthly and before using the aerial unit.
- ✓ When aerial device is not used, disable the remote by depressing the E-STOP button.
- ✓ To move aerial device, you must press the "START" button **at the same time** as the control button.
- ✓ Functions are switched and not proportional, multiple functions (up to Three) can be simultaneously activated and given priority through hydraulic flow.
- ✓ Slow speed mode can be selected for slow approach and comes in very handy for rotation at full extension or when the unit comes close to the highest elevation.
- ✓ Along with the slow speed, jog operating the aerial device in small increments (short impulsion on the control buttons) is a good precise positioning strategy.
- ✓ Please note that slow speed is switched on and off by pressing simultaneously both rotation direction left and right without pressing the start activation. Please refer to (figure-1) for details.



Telelift variable speed

To pair the variable speed remote:

1. Disengage e-stop button by twisting it counterclockwise.
2. The blue light should be on (not blinking)
3. Press the push button located on the right side of the remote.
4. Lights will turn to green.
5. The remote is now paired to the aerial unit.

Press "dead man" switch located at the index to activate the controls (joysticks).



Bucket leveling

- ✓ Bucket leveling is automatic and hydraulic-actuated. Therefore, multiple up-down cycles can slightly affect the leveling over time since the leveling system has a reaction delay. This delay can get a bit longer in cold temperature. The operator can re-adjust the level to a desired angle in any time.
- ✓ Aerial device movement is not restricted at any angle or extension.
- ✓ The maximum rated load capacity is set to 300lbs.
- ✓ Sideload is restricted to a 50lbs man pulling force.

The operator must pay extra attention to prevent any collision with vehicle body and accessories.

Stowing the aerial unit on the truck

- ✓ Stowing the aerial device in the cradle is an important operation that requires attention by a skilled operator.
- ✓ While bringing down the unit in its cradle, the “down” control needs to be held for a second only after the aerial device hits the cradle.

EMERGENCY OPERATIONS

BOOM ONLY

- The operator will find an enclosure on top of boom next to the platform and the handle.
- The enclosure contains the emergency boom-down operation hardware.
- The green mushroom-shaped button is to make the function active and must be held simultaneously with the white push button to perform a controlled descent without hydraulic power.
- This system is fully independent and will function in case of a unit failure or should the remote be dropped.
- A 12V Sealed battery is contained inside the enclosure and will provide sufficient power for the system for several days, depending on duty.
- It is recommended to test the battery monthly and make sure that it is fully charged. A fully charged spare battery is recommended to keep in the vehicle.
- In the unlikely situation of a general power failure AND an emergency boom-down system combined, it is still possible to let the boom down by gravity in a controlled descent. The operation must be done from the boom elevation turret.
- Descent can be performed manually by pulling and turning the red knobs on the valve bodies. Valves **MUST** be set back to the initial position prior to operating the aerial device back again. To put the valves back into normally closed status, simply turn the (2) knobs until they click back down into their locked position.

