

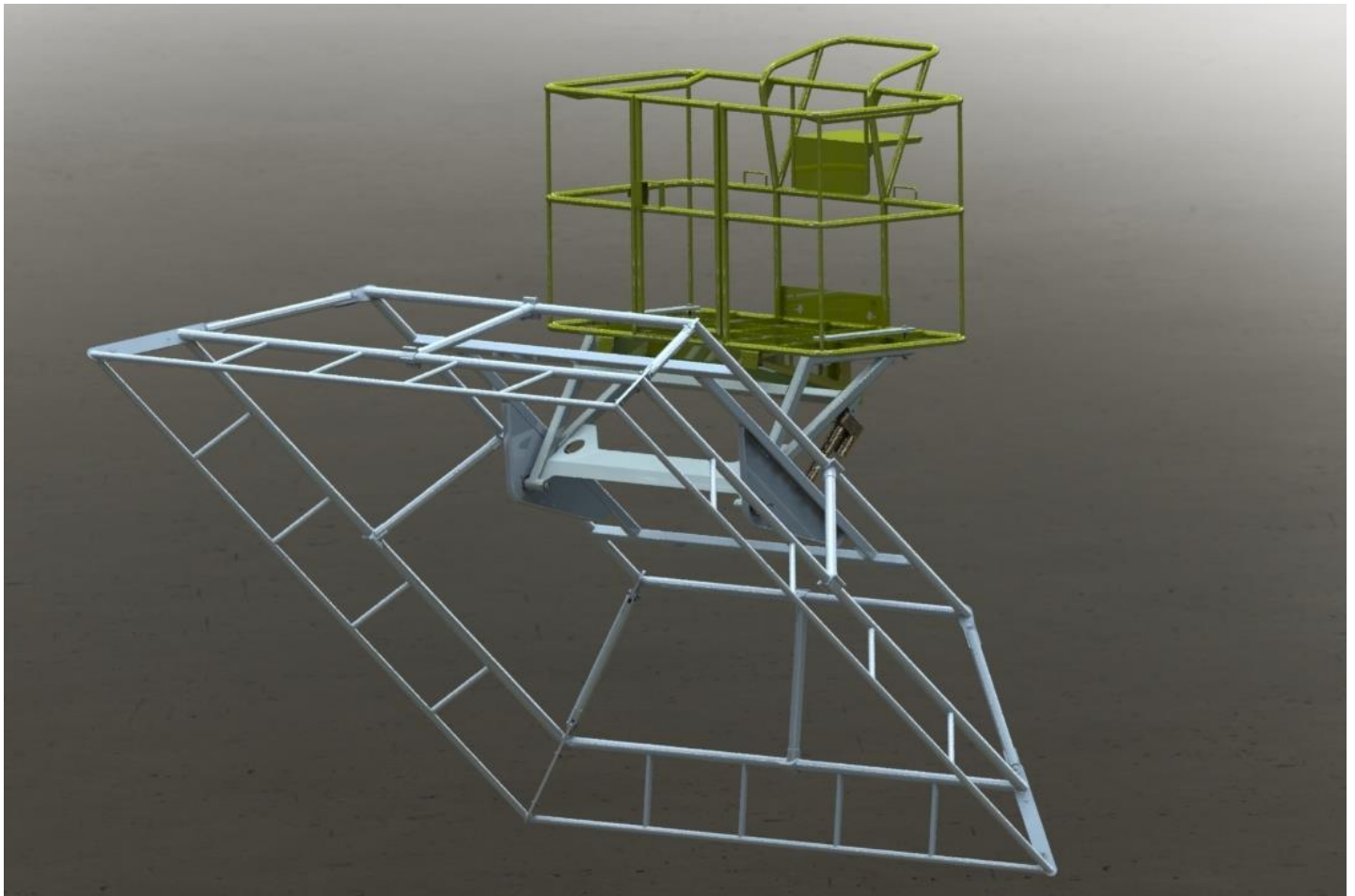
# LRX™ CONDOR LIGHT BOX

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The Condor Light Box intended to be used as an attachment for a telescopic man lift to provide one rotational axis of motion. It provides tilting of this light weight frame from horizontal to 83 degrees from horizontal. This light weight structure is designed to have a customer supplied diffusion material tied across the lower truss face and small light weight fixtures mounted to the upper truss. See notes for use, limitations and installation. NOTE: It is possible the frame could contact the telescopic man lift at higher boom angles. The full range of motion should be tested prior to putting unit into service.



See notes for use, limitations and installation to Telescopic Man Lift



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## WARNING

READ EQUIPMENT MANUFACTURES  
MANUAL BEFORE USING THIS PRODUCT

**Download supplemental manuals provided by the manufacturer to ensure safe operation of equipment.**

[JLG Supplemental Manual](#)

[GENIE Supplemental Manual](#)

## SAFETY INSTRUCTIONS

- Condor Light Box weight: 250 pounds.
- Maximum live load: 500 lbs. evenly distributed
- Wind loading must be included in load calculations.
- Wind load formulas:
  - $PSF = MPH^2 \times .00256$
  - $P \text{ (Pa)} = KPH^2 \times 0.317$
  - $1 \text{ MPH} = 1.61 \text{ KPH}$
  - $1 \text{ KPH} = 0.622 \text{ MPH}$
- Ensure unit meets all local codes prior to operation
- Ensure telescopic lift is capable of supporting the TOTAL LOAD: Condor Light Box, lighting equipment, wind load, etc. Derating calculations maybe be required, see OEM's specs and de-rated load charts for governing factor.
- Load limits not to be exceeded.
- Wind loading calculations are the responsibility of the user.
- Follow all telescopic lift manufactures guide lines and operating procedures.
- It is the user's responsibility and obligation to determine and comply with all applicable laws and regulations.
- Operator must remain at, and monitor the unit during use.
- It is recommended to develop a recovery procedure for the telescopic lift to set a position with minimum sail area. This configuration should be used in the event of inclement weather or sudden wind gusts to prevent excessive uplifting/downward force or full sail area side loading scenarios.
- It is recommended that a means to partially release the fabric be used to relieve wind pressure on the structure in the event of unexpected wind gusts.
- The installation, operation and servicing of this unit to be carried out by

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- only authorized and qualified personnel certified in jurisdiction of use.
- Daily pre-operational inspection and log required
  - Do not operate if unit appears damaged, report damage immediately.
  - Disconnect all power supplies before servicing.
  - Do not connect or disconnect under load.
  - Ensure all AC power is removed and the unit is turned off before making electrical and data connections.
  - Remove power from unit when data signal is not present.
  - In case of malfunction disconnect power supplies, discontinue use, notify supplier.
  - Never operate with any covers removed.
  - No personal within range of motion during operation.
  - Area under load must be cordoned off at all times and kept clear of all personnel.
  - Take note of and remain clear of pinch points.
  - No user serviceable parts.
  - Servicing of this unit to be carried out by authorized and qualified personnel.
  - Safe electrical and working practices must be observed.
  - NOTE: It is possible that this frame could contact the telescopic man lift at higher boom angles. The full range of motion should be tested prior to putting unit into service.
  - Unsure about anything or questions, please contact representative before use.
  - For the latest version of this manual please visit “lrx-lighting.com”



**DANGER**

- Dangerous voltages are present inside this unit.
- Best practice electrical procedures must be followed when using this fixture.
- Ensure all power supplies are off when connecting or disconnecting any cabling.
- Power must be removed & switches returned to off position when not in use and when data signal is removed.
- Ensure unit meets all local codes prior to operation.

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## WARNING

- This unit has rotating parts with pinch points.
- Unit may move without warning.
- No personal are permitted within the range of motion
- Never operate with any covers missing.

## Condor Light Box Specifications

### Electrical rating:

#### Control Box

U-Ground Plug:

- Volts: 120 AC – non-dimmed feed line.
- Hertz: 50 - 60
- Maximum draw : 2.0 Amps

#### Hand Controller

- Isolated 12VDC + Data

### Physical:

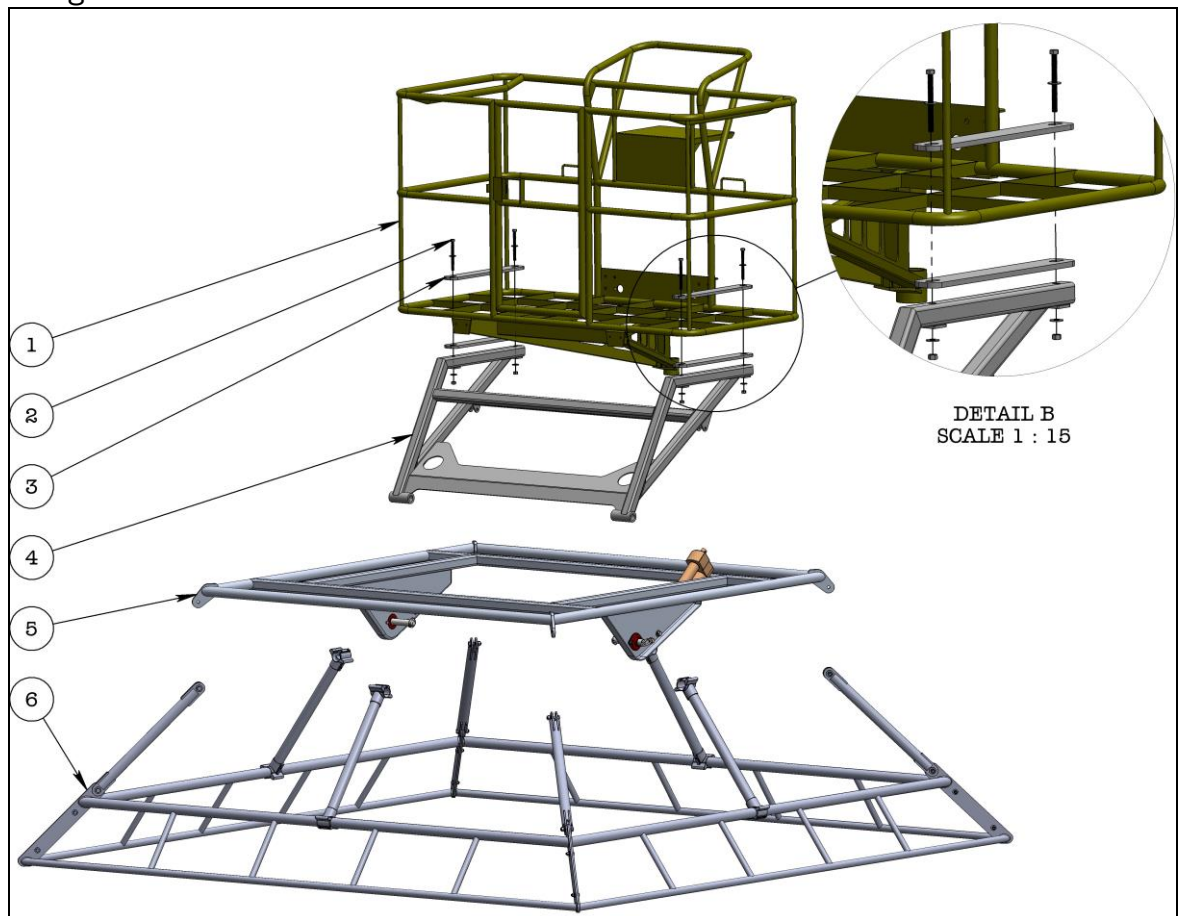
- Tilt: Horizontal to 83 degrees from horizontal
- Weight: 250 pounds approximate.
- Lower Outer Frame Dimensions: 132" x 132"
- Condor Light Box maximum live load: 500 lbs. evenly distributed
- Wind loading must be included in load calculations.
  - Wind load formulas:
  - $PSF = MPH^2 \times .00256$
  - $P (Pa) = KPH^2 \times 0.317$
  - 1 MPH = 1.61 KPH
  - 1KPH = 0.622 MPH

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## Installation of Condor Light Box

- Install mounting frame (Item 4) to bottom of man lift basket (Item 1) using the four ½” mounting plates (Item 3) and four ½”-13 bolts (Item 2) of a suitable length with nylock type nuts with washers. Important: ensure that mounting plates capture a minimum of two structural floor members.
- Connect upper truss (Item 5) to mounting frame (Item 4) using the two Ø1.188” tilt pins that are supplied.
- Connect the linear actuator to the mounting frame and the upper truss using the ½” shoulder bolts supplied.
- Connect the lower truss (Item 6) to the upper truss (Item 5) using the four fixed length couplers as well as four additional pipe lengths with split clamp fittings at the mid points of the truss structures.
- Ensure all fasteners are installed and tight.
- Connect linear actuator and hand controller to power supply and test.

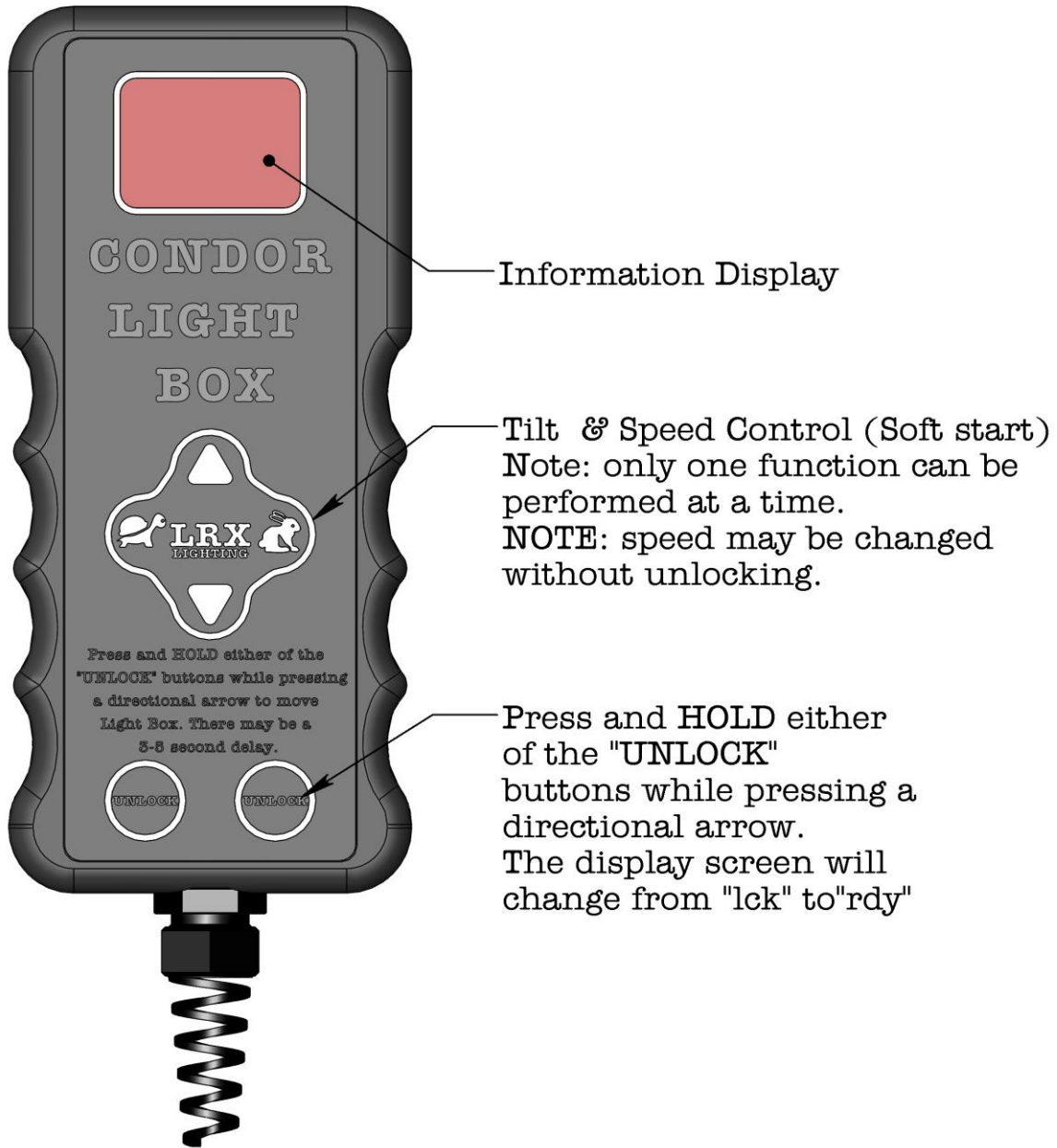
NOTE: It is possible the frame could contact the telescopic man lift at higher boom angles. The full range of motion should be tested prior to putting unit into service.



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## HAND CONTROLLER





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## OPERATING INSTRUCTIONS

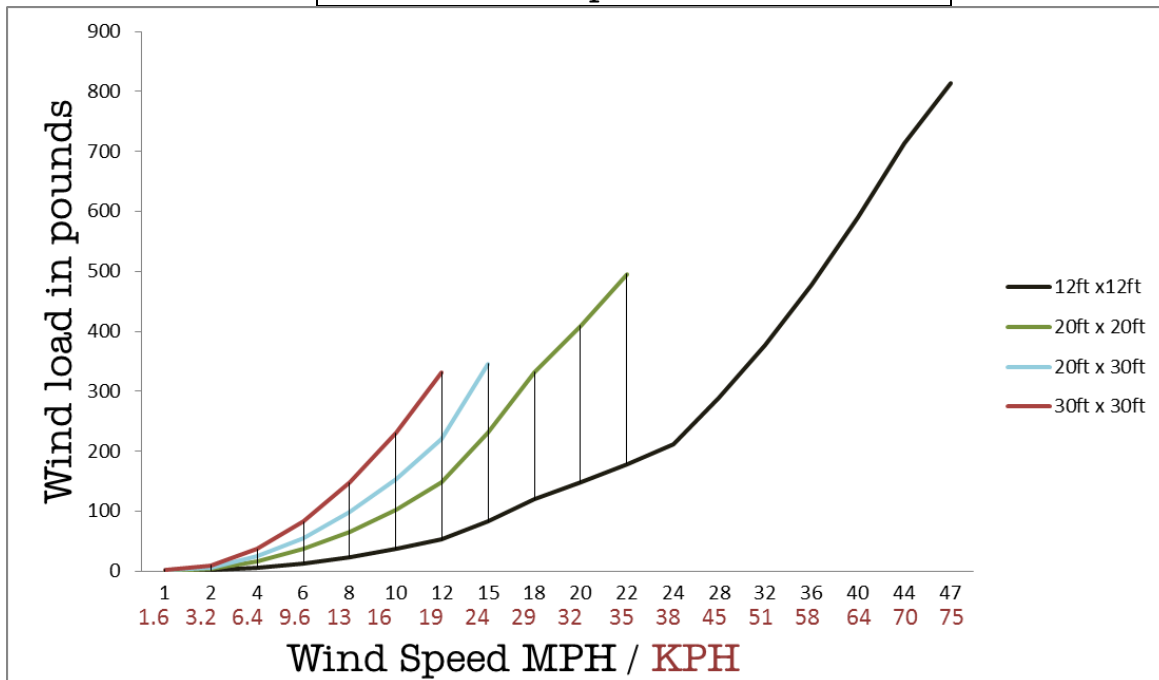
### Safety Interlock:

- Either unlock key (bottom of the hand control) (◀) or (▶) needs to be held to enable motion.
- *If any motion key is pressed without “Unlock” the display will show “lck” (Locked).*

### Initiate Motion:

- Hold either of the “UNLOCK” keys, the display changes to “rdy” (ready).
- Press the desired direction key (▼▲) while still holding a “UNLOCK” key
- Adjust speed using the turtle or rabbit icon buttons as required. Speed must be adjusted prior to motion. (Unlock key not required). Speed setting will be displayed as a bar graph on the display screen.

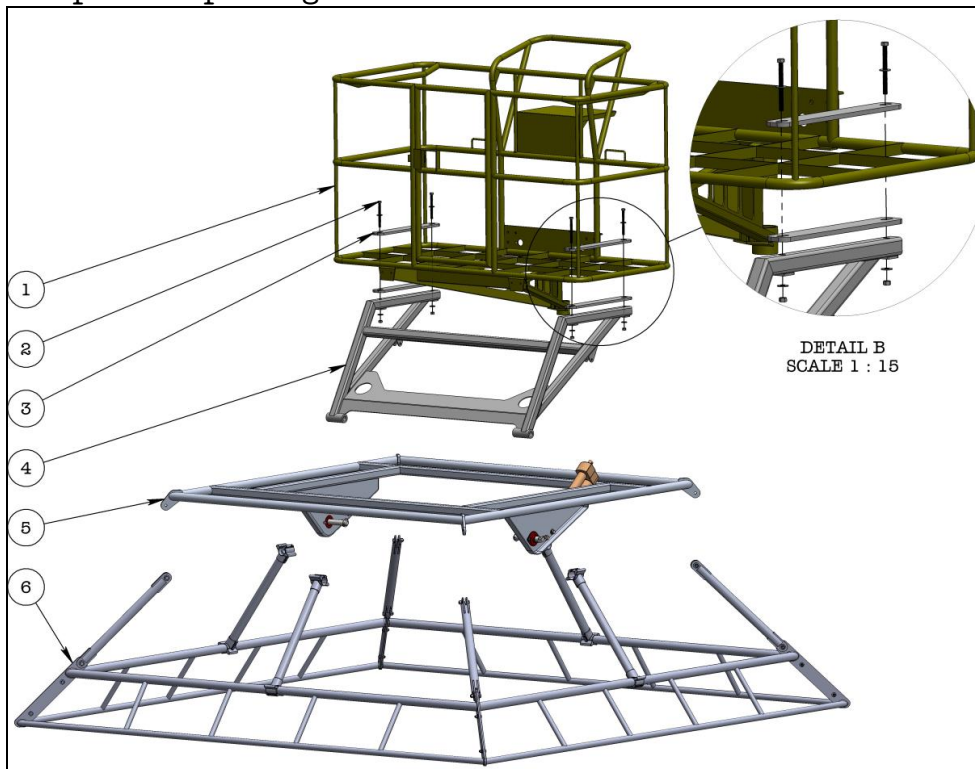
Reference Wind Speed to Sail Area Chart



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## CONDOR LIGHT BOX DAILY CHECK LIST

- Inspect man lift per OEM guide lines
- Verify capacity of man lift.
- Verify weight of Light Box assembly and all added components, (lights, cables, diffusion materials, etc.).
- Ensure loading of equipment onto light box assembly is evenly distributed left to right and front to back.
- Verify that the load capacity of the man lift and the light box have not been exceeded.
- Inspect mounting frame (Item 4) for damage, cracks, etc.
- Ensure mounting frame is securely mounted to man lift basket (Item 1) using correct hardware. Ensure that mounting plates (Item 3) capture a minimum of two structural floor members.
- Inspect upper truss (Item 5) for damage, cracks, etc.
- Ensure upper truss is properly connected to the mounting frame.
- Ensure linear actuator is securely connected to frame.
- Inspect lower truss assembly (Item 6) for damage, cracks, etc.
- Ensure all lower assembly parts are securely fastened using proper hardware.
- Install safety cables as required
- Function test assembly. NOTE: It is possible the frame could contact the telescopic man lift at higher boom angles. The full range of motion should be tested prior to putting unit into service.



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