

# SUGGESTED MINIMUM INSPECTION REPORT

MOBILIFT TX (Minimum inspection once per year)

- 1. Crank the lift to full height and back down with 300 to 350 lbs (2 people) on the platform (a full cycle up-down cycle should take no more than one minute)
- 2. With the above weight on the platform and the lift approximately 12" off the ground, using a spring scale or weight, check the force on the hand crank. The force should be 10 – 20 lbs for cranking up, and 3 – 15 lbs for cranking down.
- 3. Did the lift crank up and down smoothly? (On the down movement it is normal to have a slight squeal or chatter from the brakes as with automobile brakes).
- 4. Remove the drive shroud to check that the cables are in their grooves on the winding drum. Crank the lift to full height with no platform load and recheck the cables on the winding drum.
- 5. With the lift in the "travel" mode, check that the lift rolls easily with the parking brake in the "off" position and that it stops immediately when the brake handle is released.
- 6. Crank lift about half way up with no load and measure the distance from the platform to the top of the main frame at each corner. These measurements should be within 3/4 of an inch of each other.
- 7. Tilt the lift back, visually inspect all of the cable anchors (six) to see that they are secure and the double nuts are locked against each other (some rust and corrosion on the anchors and nuts in severe conditions is normal and not a safety concern).
- 8. With the lift tilted back, check that the paralleling cables are on their pulleys at both ends and are not frayed. Check that a pull of fifteen lbs. at the middle of each paralleling cable deflects it between 3/4 of an inch and 2 inches.
- 9. Return the lift to upright position. Check that the crank handle swings in automatically when it is released.
- 10. Check ramp securing cables for operation and fraying.
- 11. With the wheels just clear of the ground release both the ground ramp and the bridge ramp so that they are resting on the ground. Apply a load to the upper corners of both ramps by standing on the corner and bouncing up and down.
- 12. Check all fasteners to make sure that the bolts engage the nylon of the locking nuts. Check with wrenches that the nuts on all visible cable adjusters are locked.
- 13. Check all visible welds for signs of cracking.
- 14. Check the full visible length of each lifting cable with the lift at ground level and at two feet from ground level for corrosion or fraying, with particular attention to the point at which the lifting cable turns in under the platform.
- 15. With the platform just off the wheels, pull on each lifting cable just above the main shroud. A twenty-lb. pull should deflect this cable between 1/2 an inch to 1-1/2 inches.
- 16. With the lift at ground level, release the ground ramp and the extension ramp, and stand on the middle of the outside of the extension ramp. It will deflect but should return to approximately level position.
- 17. With the lift at ground level, inspect the paralleling cables inside each corner post for fraying, particularly at the top of each post.
- 18. Check the folding action of the wheel fold system by folding the handle from park to travel. Check that the 6 tie-rods under the platform are tight.

## **LOAD TEST**

The lift must be re-load tested to 1800 lbs (3 times the design load) following this inspection or any repairs or adjustments. If formal testing equipment is not available, proceed as follows:

1. Position the lift under a beam or overhead doorway that will take a 2000lb upward load.
2. Place a wooden 4" x 4" (or two 2" x 4" nailed together), from the middle of the platform up to the overhead beam.
3. Stand well to the side of the lift in case a cable slips. Crank the lift up against the 4" x 4" with a 50lb pull on the hand crank (use a spring scale or weight). This puts a load of 1800lbs on the platform.
4. After testing, remove the 4" x 4" and check that the lift cranks up and down normally for the full height of the lift.

Lift Serial Number: \_\_\_\_\_

Date of Inspection: \_\_\_\_\_

Inspected By: \_\_\_\_\_

Inspector's Signature: \_\_\_\_\_

Inspector Employed by (company name): \_\_\_\_\_