



MOBILIFT CX INSPECTION REPORT

NOTE: REFER TO MANUFACTURERS MAINTAINENCE MANUAL FOR ALL ADJUSTMENTS AND REPAIRS.

This checklist must be completed by individuals authorized by Adaptive Engineering Inc, familiar with standard mechanical procedures and able to read at a Grade 10 level. Contact Adaptive Engineering Inc. for any questions.

Serial Number _____

Customer: _____

Location: _____

#	DESCRIPTION	DONE
	GENERAL OPERATION CHECKS:	
1	Check the hand brake is working by pulling the blue brake handle from its saddle and hold it to the blue push handle on the shroud while moving the lift. Brakes should release when handle is pulled 1-3".	
2	Check that the lift rolls and maneuvers easily	
3	Check that the brake handle returns to its saddle when released.	
4	Check that the crank handle swings in automatically when it is released.	
5	OPTIONAL: Remove Drive and Deck shrouds before testing to improve visibility during following tests	
6	LOADED OPERATION: Check the lift cranks up and down smoothly with 300-350lbs (135 to 160 kg.) Slight squeal or chatter is acceptable in down direction. Note: a full cycle up-down cycle should take no more than one minute.	
7	FORCE TEST: Check the force on the hand crank - with lift still loaded and raised to 12" (0.30 m) off the ground. With a spring scale, the force should be - UP: 10 – 20 lbs (4.5 to 9 kg) - DOWN: 3 – 15 lbs (1.3 to 6.8 kg)	
8	DECK LEVEL: Deck is level within ¼" (6mm). Crank lift about halfway up with no load and measure the distance from the platform to the top surface of the lower main frame at each corner. These measurements should be within ¼" (6 mm) of each other.	
	UNDERSIDE INSEPTIONS: Tilt the lift back to inspect the underside of the Lift	
9	CABLE ADJUSTERS: Visually inspect all the cable adjusters to see that they are secure, and the double nuts are locked against each other. (6 places: 4 parallel, 2 lifting) Some rust and corrosion on the anchors is normal and not a safety concern.	
10	UNDERSIDE CABLES: Check that the paralleling cables are on their pulleys at both ends (4 places) and are not frayed, particularly where cables go into keyhole slot at bottom of post.	
11	CABLE TENSION: Check that a pull of 15 lbs. at the middle of each paralleling cable under the deck deflects it between ¾" and 2" (20 mm to 50 mm)	
12	PULLEYS: Check that paralleling pulleys (4) are in good condition and turn freely.	
13	WHEELS: Check that rear wheels rotate freely when brakes are off and lock when brake is applied and that rear wheel brake springs are in good condition, check that front casters rotate freely, check for wear on all wheels.	
14	LEVELER: If applicable, check that the automatic leveler device moves freely in its frame by pushing on one side at a time.	

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	DRIVE INTERNAL COMPONENTS: Remove drive shroud (7 bolts)	
15	Check adjuster locking nuts on the drive are locked (5): 2 places on cross frame tube and 3 places at brake adjuster bolts.	
16	CABLES: Check that all 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.	
17	COUNTERBALANCE CABLE: Check cable is wound around conical drum and attached at drive drum, and cable has no fraying.	
18	COUNTERBALANCE SPRING: Check spring is not broken or cracked. Spring should be well lubricated.	
19	CHAINS: Ensure that all drive chains are lubricated and in good condition, (no frozen links). Replace drive chain if worn: the center-to-center distance for 6 links should be 3" - 3.045" (77.3mm) which would be the max 1.5% stretch.	
20	BOLTS: Check that all bolts at drive mechanism have nylocks nuts engaged and all pivots are free.	
	DECK SHROUD INTERNAL COMPONENTS: Remove deck shroud (4 bolts)	
21	Check return cable adjuster nuts are locked (located under deck shroud)	
22	Check that WHEEL BRAKE RETURN SPRING inside deck shroud is connected and in good condition.	
23	RAMP CABLES: Check bridge ramp and ramp securing cables are operating and not frayed.	
24	RAMPS: Check all ramps lay flat (ground ramp, bridge ramp, extension ramp) and are not twisted/bent.	
25	WELDS: Check all visible welds for signs of cracking particularly all hinge points at deck and ramps.	
26	FASTENERS: 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.	
27	LIFTING CABLE TENSION: With the platform just off the wheels, pull on each lifting cable just above the main shroud. A 20lb. pull should deflect this cable between 1/2" to 1" (12.7 mm – 39 mm). Both cables should be similar	
28	LIFTING CABLE: Check the full visible length of each lifting cable for corrosion or fraying, with particular attention to the point at which the lifting cable turns in under the platform. Do this with the lift at ground level and then again with the deck two feet above ground level	
29	CABLE WINDING: Wind the lift fully up and down, recheck that the return cables and lifting cables do not become loose throughout the full range of motion and that cables track properly on cable drum grooves.	
30	CABLES INSIDE POST: With the lift at approx. 6" above ground, inspect the paralleling cables inside each corner post for fraying, particularly at the top and bottom of each post.	
31	DECALS: Re-install the shrouds and check that all decals are in good condition and legible, particularly the main pictogram on the drive shroud.	
32	PLASTIC PARTS: Check that handrails and push bar have blue snap-on parts, as well as grey caps on stops (1 ground ramp stop, 2+ on bridge ramp)	
33	LOAD TEST: Conduct LOAD TEST (see below.)	

LOAD TEST

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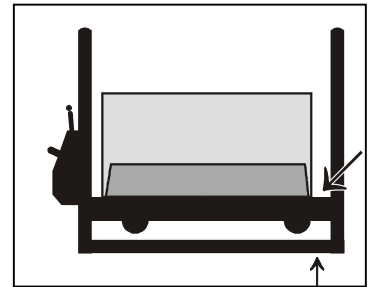
The lift must be re-load tested to 1800 lbs (820 kg) (3 times the design load) following this inspection or any repairs or adjustments.

Equipment Required for Testing:

- 1 – Calibrated Spring Scale (eg: fish scale type) up to 50lb
- 1 – 2” Strap or Chain 12ft long . Must have a working load limit of 2000lb or greater may be use for this test.
- 1 – 2x4 wood or similar 37” long

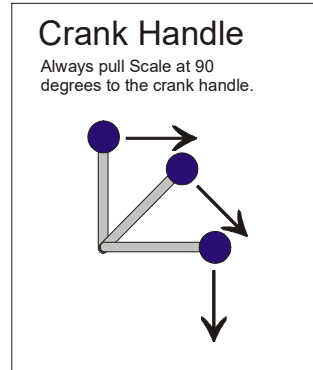
Instructions

1. Place 2x4 wood or similar across platform on top of the post guides in order to prevent platform from bending.
2. Slide one end of the Load Testing Cable under the Frame at the front of the lift (bridge ramp end)
3. Pull end of Load Testing Cable over the Deck and to the other end of the cable with the hook.
4. Attach the ends of the cable using the hook. Use 2x4 or similar wood brace across the deck sitting on top of the post guides as close to the posts as possible.





5. Use the Crank Handle to raise the deck until the Load Testing Strap begins to tighten.
6. Hook the Scale onto the Crank Handle next to the grip.
7. Pull the Scale at 90 degrees to the Crank Handle until the scale reads "50 lbs". Hold the crank for about 3 seconds at 50 lbs. Listen for any noises that may signify stressed parts or cables.
8. Release the Crank Handle.
9. Remove the Load Testing Cable.
10. Raise the Deck to the top and then back down with the Crank Handle. Listen for any unusual noises. Load testing is complete.



INSPECTION COMPLETION SIGN-OFF

Serial Number: _____
 Inspector: _____ Signature: _____
 Date: _____
 Inspection Company: _____

