

# Operator Manual



**Adaptive** Engineering Inc.



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**SCOPE:** This document applies to the Mobilift TX model

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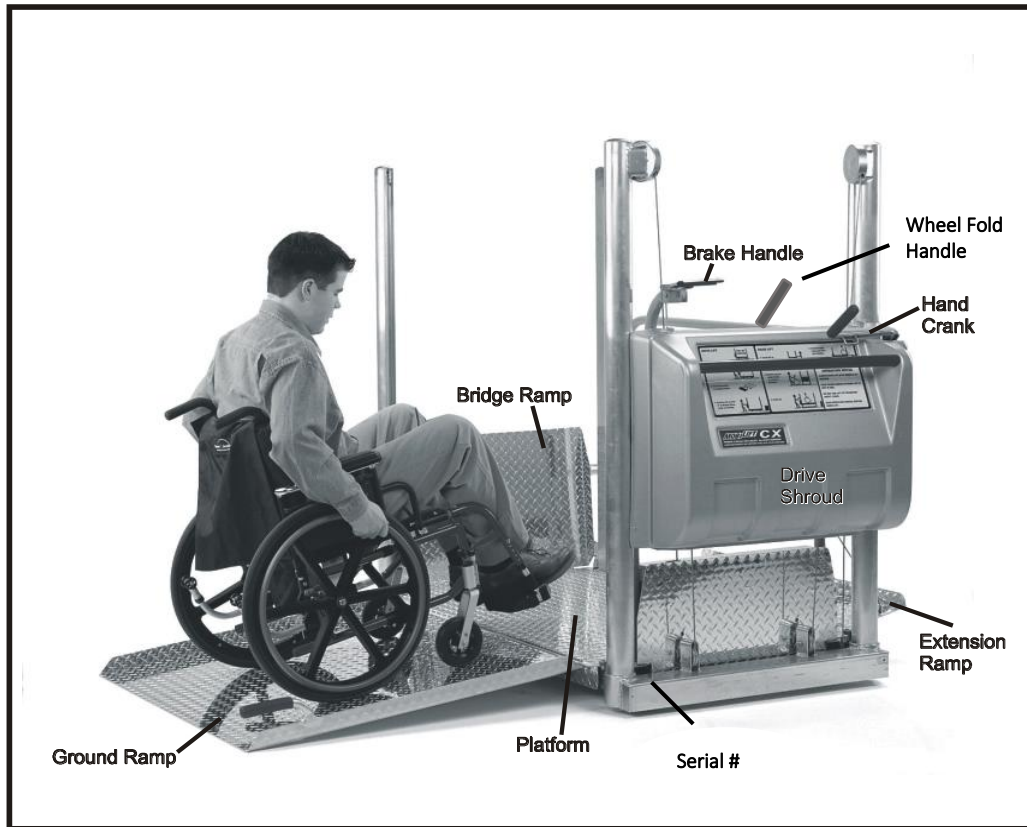
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**Adaptive Engineering Inc.**



## MAJOR COMPONENTS



## SPECIFICATIONS

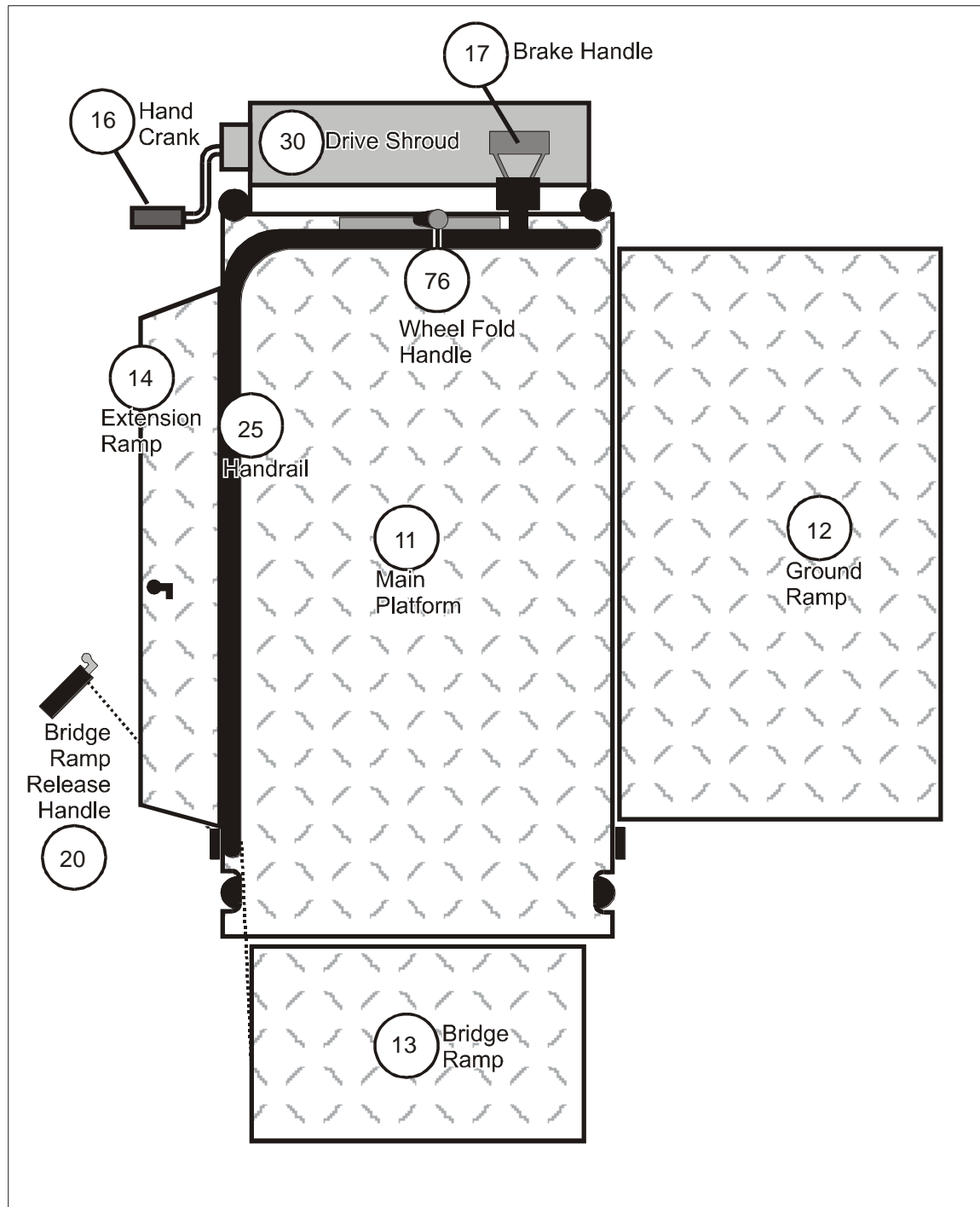
Weight:.....298 lb. (122 kg)	Max. Lifting Height:..60" (1.52 m)
Overall Length:.....72" (1.83 m)	Minimum
Overall Width:..... 37.5" (0.95 m)	Safety Factors:..... Cables 7.0
Overall Height:..... 65" (1.67 m)	Structure 5.0
Capacity:..... 600 lbs (273 kg)	Patents:..... 5,040,638
Platform Size:.....34" x 56" (0.86 m x 1.42 m)	All rights reserved.

The serial number can be found on the lift as shown above and on the far side of the deck shroud (not shown). The serial number must be given when ordering parts and should be used to record all maintenance work and inspections.

**Adaptive Engineering Inc.**



**MAJOR COMPONENTS – TOP VIEW**



## FEATURES

- Fully A.D.A. compliant under US CFR 38.83, 38.95, 38.125
- Large wheels negotiate rough terrain (train tracks)
- Single operator set-up and use
- Silent, manual operation
- Floating bridge ramp for easy alignment
- Pictogram instruction decals
- Auto fail-safe crank with load activated drum brakes
- Rated for indoor or outdoor operations -40F to +130F (-40C to + 54C)
- 20" long (0.51 m) bridge ramp
- Automatic "fail-safe" parking brakes prevent rolling
- Minimal service requirements

## OPTIONS

Various options are available to increase the utility of your Mobilift TX

- Weather protection:
  - Enclosed shed
  - Open mesh shed
- Ramps of other dimensions available upon request

Contact **Adaptive Engineering Inc.** for more information.

Phone: 1 (800) 448-4652 or (403) 243-9400

Web: [www.adaptivelifts.com](http://www.adaptivelifts.com)

Email: [info@adaptivelifts.com](mailto:info@adaptivelifts.com)

## **MATERIALS**

- 7x19 Aircraft-type stainless steel cables
- 6061 T-6/5052 H32 Aluminum frame
- Stainless Steel Fittings and Fasteners
- Industrial duty rubber & neoprene wheels
- UV-rated ABS & PVC plastics

## **COMPREHENSIVE TWO YEAR WARRANTY**

- Adaptive Engineering Inc. warrants the Mobilift TX to be free from manufacturing or material defects for two years from the date of invoice.
- Damage caused by vandalism, abuse, or misuse is not covered by this warranty.
- Normal wear and tear are not covered by this warranty.
- This warranty is void in the event that the Mobilift is modified without written authorization from Adaptive Engineering Inc.
- This warranty is void in the event that repairs are not conducted by personnel authorized by Adaptive Engineering Inc using parts and repair instructions provided by Adaptive Engineering Inc.

**UNDER NORMAL OPERATING CONDITIONS THE MAX DESIGN LIFE OF THE MOBILIFT TX IS 20 YEARS AND SHOULD BE REMOVED FROM SERVICE AND BE REPLACED THEREAFTER. UNITS IN OUTDOOR SERVICE WITHIN 2 MILES (3 KM) OF SALTWATER MAY NEED TO BE REMOVED FROM SERVICE EARLIER THAN 20 YEARS.**

## **FEEDBACK**

Our goal is to provide safe, high quality, and easy-to-use products. Customer satisfaction is of great importance to us. To continue our tradition of quality and response to customer needs, we welcome any comments or suggestions. Please call us at 1 (800) 448-4652 or call (403) 243-9400 or email at [info@adpativelifts.com](mailto:info@adpativelifts.com)

## WARNINGS

- Operating staff must ensure the train does not move while the wheelchair lift is in use.
- Always park lift with wheels off the ground unless being parked in a locked enclosure.
- Use cable and lock to secure lift when not being used. The lift is light enough to be moved by vandals even with the wheels raised.
- Wheelchair users should approach the lift at 2mph (3km/h) or slower to reduce the risk of overturning
- Fold the hand crank in when not in use. This provides a mechanical lock for the drive system and prevents damage to the handle.
- Only deploy the Mobilift on stable, hard, level surfaces
- Lift is not to be used to transport passengers while in motion
- Use the ground ramp at ground level only to prevent overturning.
- Lift is not to be used to transport heavy freight loads. Use as designed, for wheelchair access only.
- Do not operate lift or perform maintenance on lift unless familiar with operating manual. Consult with Adaptive Engineering Inc., before performing any mechanical repairs.
- **Repairs and adjustments must be performed by authorized personnel only, using parts & instructions provided by Adaptive Engineering Inc**
- Make sure the bridge ramp overlaps the doorsill by at least 6" (0.15m)

If you have any questions about the operation or maintenance of this product, please contact Adaptive Engineering Inc.

## GENERAL OPERATING NOTES

We strongly recommend that users review the Operation Video on our website at [www.adaptivelifts.com/tx.php](http://www.adaptivelifts.com/tx.php).

- When turning the hand crank, maintain a slight outward pull to prevent the hand crank from folding and catching. The handle is spring loaded inward for safety.
- The load on the platform affects the force required to raise or lower with the hand crank. This is due to the patented "load activated" braking system, which is an essential safety feature of the drive system.
- The drive's braking system is very reliable. Additional safety is gained by folding the hand crank in the vertical position. This acts as a secondary

mechanical lock for the drive system and is the reason why the hand crank must always be folded in the vertical position when not in use.

- Persons in wheelchairs must feel safe when being lifted. The Mobilift TX has established a reputation for reliability and safety. If the person being lifted expresses any uncertainty about the lift, assure them:
  - Every lift is load tested to over 3,000 lbs before being placed in service. (This is about the weight of a mid-sized car)
  - There is no single component in the lift that can allow the platform to drop in the event of failure.
  - Critical components have been tested successfully for extreme weather performance from -50 degrees to +130 degrees Fahrenheit. (-45 C to +54 C)
  - Over 3,000 Mobilifts have been deployed around the world with no serious accidents or safety related incidents reported in over 25 years.
- LOCKING. The loop on the arm of the hand crank is designed for a locking cable (available upon request.)

**ALWAYS:**


- Park the lift in an enclosure or with the wheels off the ground.
- Return the hand crank to the vertical, folded position and lock when not being used.

**OPERATION**

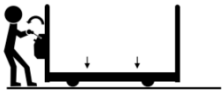
**MOBILIFT TX**

**MOVE LIFT**


**ALWAYS PARK LIFT WITH WHEELS OFF THE GROUND.**




**1. Crank lift down to lower wheels.**



**2. Pull blue handle to release brake.**




**3. Position lift to within one foot of the train door.**




**RAISE LIFT**

**1. Crank lift up off wheels and fold wheels.**




**2. Crank lift down to ground level.**




**3. Unlatch and lower ground ramp to load passenger. Re-latch.**


**⚠ Passenger must be assisted.**



**4. Crank lift up to required height.**



**5. Unlatch bridge ramp and lower onto landing - ensure ramp overlaps sill +6"**



**6. Unload passenger.**

**REVERSE STEPS FOR OFF LOADING**

**-CAUTION-**

MAXIMUM CAPACITY 600lb (272 kg)  
 FOLD CRANK HANDLE IN WHEN LIFT IS NOT IN USE  
 DO NOT USE LIFT TO TRANSPORT FREIGHT  
 DO NOT USE GROUND RAMP AT HEIGHT  
 WHEEL FOLD LEVER ONLY WORKS WHEN LIFT IS RAISED OFF THE GROUND  
 READ OPERATING MANUAL BEFORE USE  
 INSPECT EVERY 12 MONTHS

PATENT: 4,926,973 ALL RIGHTS RESERVED  
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## **Moving the Mobilift TX**

When the lift is stored with the wheels off the ground:

1. Grip the wheel fold handle and move it left to the “Wheels Travel” position.  
Tip: If the wheels will not unfold fully, it may be necessary to raise the platform of the lift to give them more clearance.
2. Lower the lift platform until the wheels contact the ground and the lift frame rises off the ground and meets the platform. Fold the hand crank into the socket in the vertical position.
3. Pull the blue brake handle down to the push handle with the left hand to release the automatic parking brake.
4. Move the lift to the desired location. The brake handle must be held on the push handle to prevent the brakes from engaging.
5. Position the lift so bridge ramp overlaps sill by at least 6”.

## **Loading and Lifting a Wheelchair**

1. Raise the platform to lift wheels off the ground (4 turns of the hand crank). Return the hand crank to folded position.
2. Push the wheel fold handle to the right “Wheels Fold” position. If the Wheel Fold Handle will not move, check that the platform wheels are raised clear of the ground.
3. Lower the platform until it touches the ground. Return the hand crank to the folded position.
4. Release the ground ramp (large ramp on the left side) by pushing on the ground ramp while releasing the blue handgrip from the keyhole.
5. Lower the ground ramp to the ground. Notice that the extension ramp on the right side of the platform has lowered to create extra room to maneuver the wheelchair.
6. Push the wheelchair up the ground ramp and turn so the passenger is facing forward (toward the bridge ramp).
  - We recommend assisting all passengers as they board the Mobilift

- Users may find it preferable to back onto the lift, particularly if they are using a large scooter.
  - People with crutches or canes can also use the lift. They should position themselves in the right, rear corner of the lift so there is a handrail on two sides.
7. Once the wheelchair is in place, and the wheelchair brakes applied, the ground ramp can be raised and re-latched.
  8. The wheelchair is ready to be lifted to doorsill height.
  4. Swing the hand crank out and turn it clockwise until the platform is level or slightly higher than the train's floor. Note that the hand crank is spring-loaded inward for safety so users must always apply a slight outward pull on the crank handle.
  9. Once the lift is raised to the correct height, the bridge ramp is lowered onto the doorsill. The bridge ramp handle is on the front, right side of the lift and must be released by the operator, from ground level. Make sure that the bridge ramp has at least a 6" overlap onto the doorsill.
  10. The wheelchair can move forward onto the train.

**NOTE:**

The bridge ramp is designed with +/-2 inches of side-to-side float. Hold the bridge ramp while lowering so it can be aligned with the door.

**Lowering and Unloading a Wheelchair**

When moving a wheelchair from a train down to ground level, reverse the "Loading and Lifting a Wheelchair" instructions. However, the wheelchair user should be facing forward when coming off the train and should move forward down the ground ramp at ground level.

**Moving through Narrow Doorways\***

\*If not equipped with Narrow Door Option.

To maneuver the Mobilift TX through a narrow door it is necessary to remove the handrail and ground ramp, and to tip the lift sideways. The steps are:

Remove the five bolts securing the handrail using a 7/16" socket wrench and a Phillips screwdriver. Labeled 1 on Figure 1.

1. Remove the two bolts securing the two brake handle pulleys (Part 17 on Rear Assembly diagram) Use two 7/16" wrenches. Strap the cable to the lift so the cable doesn't drag on the ground. Labeled 2 on Figure 1.
2. Remove the bolt securing the bridge ramp latch using two 7/16" wrenches. Labeled 3 on Figure 1.
3. Remove the ground ramp hinge bolt then remove the hinge pin to remove the ground ramp. Use a 7/16" wrench and a Phillips screwdriver. Labeled 4 on Figure 1.
4. Remove the nut and bolt securing the ground ramp release handle to the handrail. Use two 7/16" wrenches, (See part 19 on Rear Assembly Diagram). Labeled 5 on Figure 1.
5. Tip the lift on its side as shown in Figure 2 and carefully slide and rotate it through the door. To make maneuvering easier and reduce the risk of damage to the floor, we recommend placing the lift on a 4-wheel dolly or a large piece of carpet.
6. Reinstall the handrail, ground ramp and accessory pieces, ensuring that they are secure and tightened in place.

**Note:** After re-assembly, all pulleys should spin freely (Items 2 & 5)

## Maneuvering Through Narrow Doorway

Figure 1

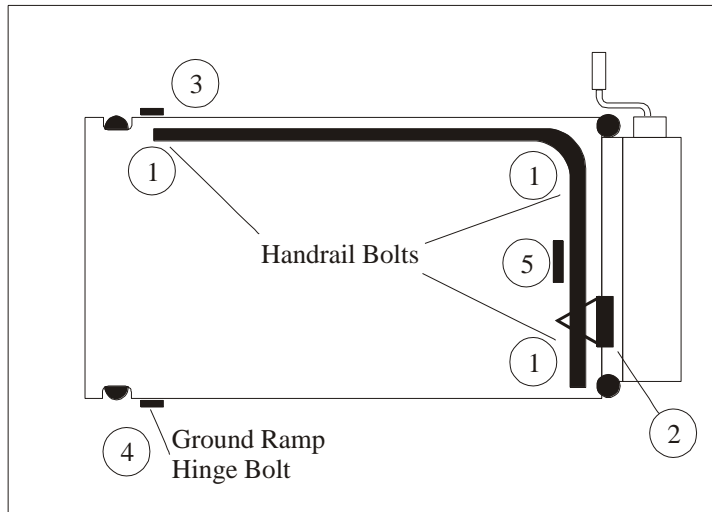
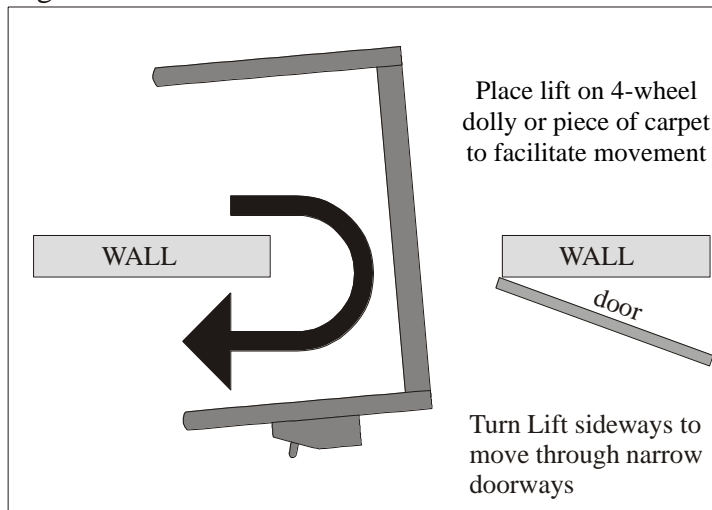


Figure 2



## MAINTENANCE

The Mobilift TX must be inspected officially once every six months.

Operators of the Mobilift TX should perform a quick visual inspection of the lift before operating. All visible cables and components should be checked for any signs of wear or vandalism. **Contact Adaptive Engineering Inc. if any problems arise. Phone: 1 (800) 448-4652 or (403) 243-9400**  
Email: [info@adaptivelifts.com](mailto:info@adaptivelifts.com)

Annual/Biannual inspections and repairs must be conducted by personnel authorized by Adaptive Engineering Inc. using parts and instructions provided by our company.

Adaptive Engineering Inc. accepts no liability for any failures, damages or injuries to or from the equipment because of substituting parts other than those authorized.

As with any piece of safety equipment, the TX mobile wheelchair lift must be on a documented preventive maintenance program. A suggested inspection report form is included at the end of this manual. Users with an established preventive maintenance system can incorporate these requirements as necessary.

The lift is designed and manufactured to minimize maintenance work. All exposed materials are aluminum, stainless steel, UV-rated polymers, or electroplated steel. The brakes may squeal as the lift is being cranked, in the same way that automobile brakes squeal. This is normal, and under no circumstances should these brakes be cleaned with solvents, nor should they be sprayed with aerosol lubricants such as WD40, LPS, silicon or any type of oil or grease.

The only parts that require lubrication are:

- The DRIVE CHAINS (part 42 in the *Drive System* picture)
- The PLATFORM COUNTERBALANCE SPRING (part 55)

These parts maybe lubricated with lithium grease to prevent corrosion.

**EXTREME CARE must be taken to ensure that the main lifting brakes are not lubricated (critical for safety).**

## ADJUSTMENTS AND REPAIRS

Any adjustments or repairs required on the lift must be performed by personnel authorized by Adaptive Engineering Inc using parts and instructions provided by our company.

If the lift has been vandalized or damaged such that welding or machining is required, it must be carried out by qualified tradespeople. The people performing the repairs should refer to the manufacturer's literature and discuss the repairs with us if necessary.

**DANGER! Many Mobilifts use high-energy springs and/or gas cylinders. Do not attempt to adjust or repair these parts without contacting Adaptive Engineering Inc for guidance.**

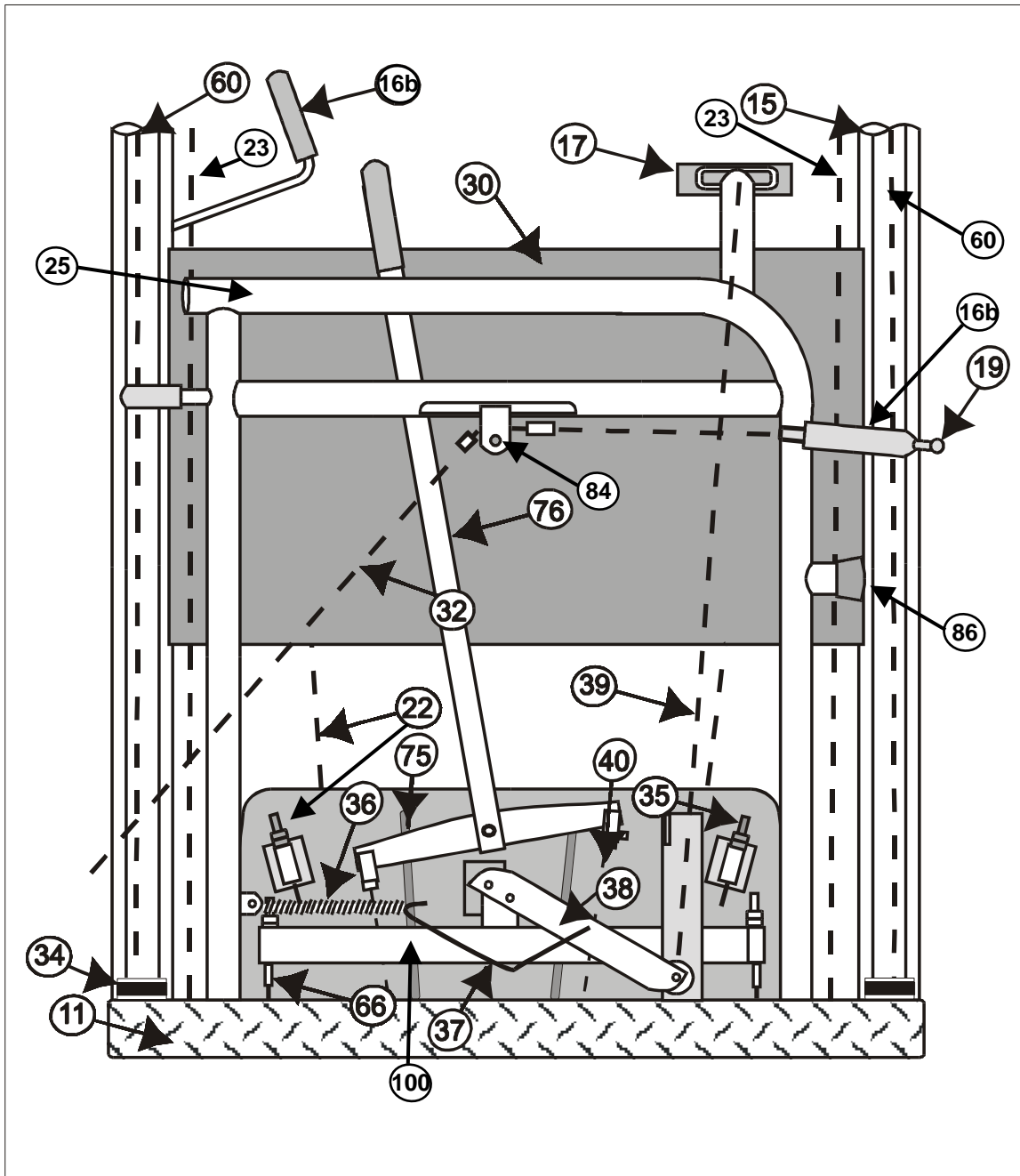
A detailed diagram of a wheelchair with various components labeled with circled numbers. The labels include:

- 16: Wheelchair frame
- 17: Brake Handle
- 20: Casters
- 25: Handrail
- 30: Drive Shroud
- 31: Rear Wheel
- 34: Ground Ramp
- 34a: Ramp Release Handle
- 38: Main Platform
- 40: Wheel Fold Handle
- 42: Extension Ramp
- 44: Bridge Ramp
- 46: Bridge Ramp Release Handle
- 48: Casters
- 50: Casters
- 52: Casters
- 54: Casters
- 56: Casters
- 58: Casters
- 60: Casters
- 62: Casters
- 64: Casters
- 66: Casters
- 68: Casters
- 70: Casters
- 72: Casters
- 74: Casters
- 76: Casters
- 78: Casters
- 80: Casters
- 82: Casters
- 84: Casters
- 86: Casters
- 88: Casters
- 90: Casters
- 92: Casters
- 94: Casters
- 96: Casters
- 98: Casters
- 100: Casters



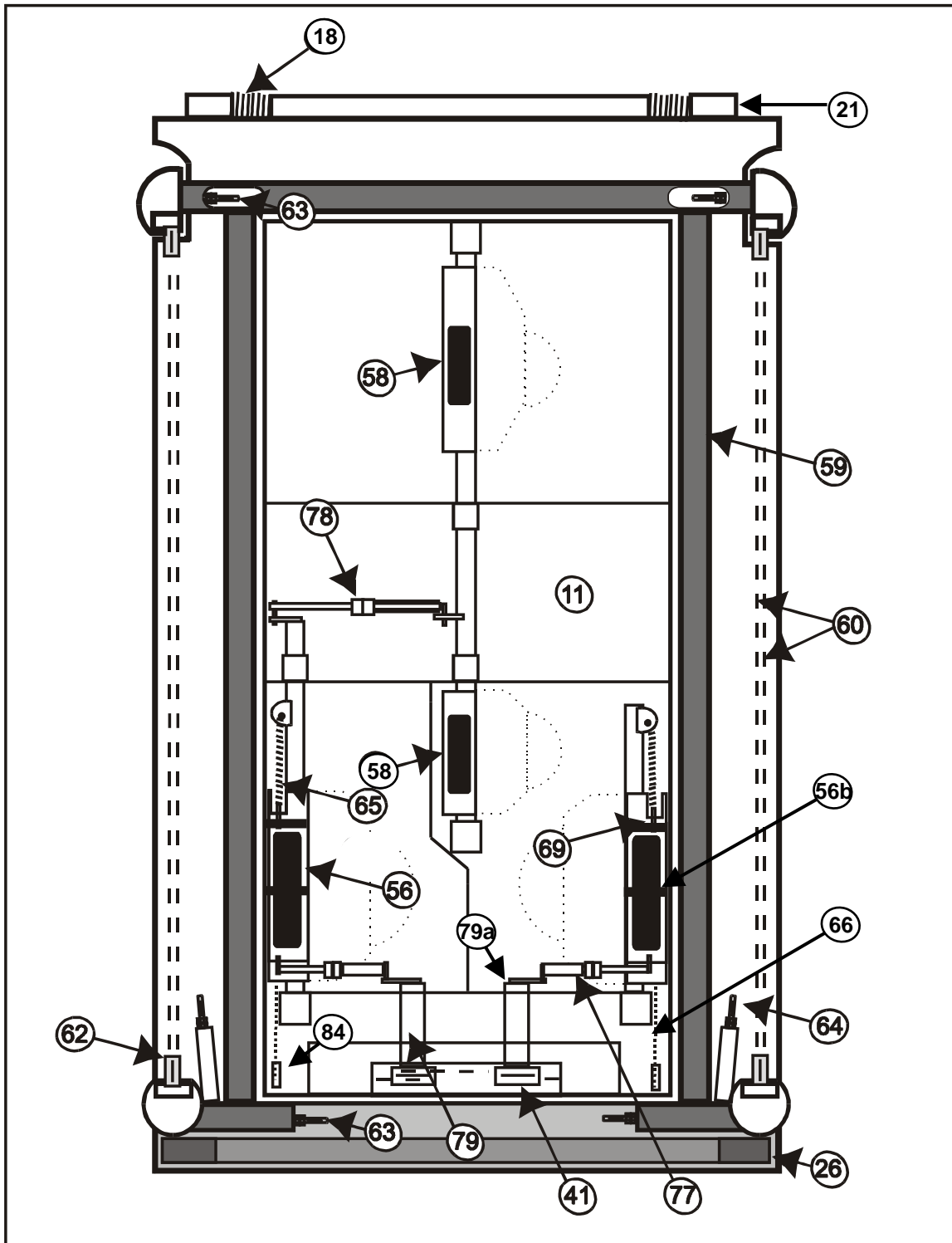


**REAR PLATFORM ASSEMBLY**



Note: Deck shroud is hidden in this diagram to view the components attached to the deck flange.

**UNDERSIDE ASSEMBLY**



## PARTS LIST

11	Main Platform (TX)	48	Frame Brake Adjuster*
12	Ground Ramp (TX)	49	Drive Frame
12a	Ground/ Extension Ramp Pivot Bar	50	Main Cable Drum
13	Bridge Ramp (TX or Option)	52	Steady Bearing
14	Extension Ramp	53	Automatic Leveler Shroud
14a	Extension Ramp Spring	54	Return Pulley
15	Corner Post	55	Platform Counterbalance Spring Complete Assembly
16	Hand Crank	56	Main Travel Wheels (TX)
16b	Blue Handle Grip	56b	Main Travel Wheels (TX) - bushing
16c	Hand Crank Handle w/ Grip	57	Counterbalance Cable Cone
17	Brake Handle	58	Front and Idler Wheel (TX)
18	Bridge Ramp Centering Spring	59	Frame
19	Ground Ramp Release Handle	60	Paralleling Cables
20	Bridge Ramp Handle (cable)	61	Counterbalance Cable
20b	Bridge Ramp Cable with ends	62	Paralleling Cable Pulley
21	Bridge Ramp Pivot Bar	63	Paralleling Cable Adjuster
22	Return Cable	64	Lift Cable Adjuster
23	Lifting Cable	65	Brake Activation Spring (TX) 3"
24	Lifting Pulley	66	Wheel Brake Cable
25	Handrail (TX)	69	Brake Activator
26	Automatic Leveler	75	Wheel Fold Return Spring 3.5"
30	Drive Shroud (w/ TX Decal)	75a	Wheel Fold Return Extension w/ Spring
31	Deck Shroud (TX)	76	Wheel Fold Handle Complete Assembly
32	Ground Ramp Cable (TX)	77	Wheel fold tie-rod short
34	Post Guide Rear	78	Wheel fold tie-rod long
34a	Post Guide Front	79	Wheel fold Assembly Right or Left
35	Return Cable Adjuster	79a	Wheel fold Tube Plastic Sleeve
36	Brake Return Spring 4"	80	Crank Hub w/ Plastic (Aluminum Shroud)
37	Brake Return Spring Arm	80a	Crank Hub Plastic (Aluminum Shroud)
38	Brake Lever	81	Cable end adjustable
39	Brake Pull Cable	82	Brake dog pin*
40	Wheel Fold Cable	82a	Brake dog*
41	Wheel Fold Pulley	84	Plastic Pulley
42	Drive Chain	85	Locking Cable
43	Drive Frame Spring 4"	86	1" Grey End Bumper
44	Right Brake Assembly	87	5/8" Grey End Bumper
45	Left Brake Assembly	88	Crank Handle Spring
46	Return/Center Brake Assembly	89	Operator Decal Pictogram (TX)
47	Brake Adjuster*	100	Parking Brake Pull Beam

Notes:

\* To view this part in more detail see the maintenance manual

## MOBILIFT TX 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
	<b>GENERAL OPERATION CHECKS:</b>	
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	Activate the wheel fold handle a few times to check the action of the wheel fold mechanism, make sure wheels lock in place in both 'wheels travel' and 'wheels fold' (wheels off the ground) positions.	
6	OPTIONAL: Remove Drive and Deck shrouds before testing to improve visibility during the following tests	
7	<b>LOADED OPERATION:</b> 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.	
8	<b>AUTO-LEVELLER:</b> Check that the automatic levelling device engages when the lift is loaded.	
9	<b>FORCE TEST:</b> 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)	
10	<b>DECK LEVEL:</b> 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.	
	<b>UNDERSIDE INSPECTIONS:</b> Tilt the lift back to inspect the underside of the Lift	
11	<b>CABLE ADJUSTERS:</b> 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.	
12	<b>UNDERSIDE CABLES:</b> 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.	
13	<b>CABLE TENSION:</b> Check that a pull of 15 lbs. at the middle of each paralleling cable under the deck deflects ¾" to 2" (20 mm to 50 mm)	
14	<b>PULLEYS:</b> Check that paralleling pulleys (4) are in good condition and turn freely.	
15	<b>LEVELER:</b> If applicable, check that the automatic leveler device moves freely in its frame by pushing on one side at a time. Lubricate as needed.	

Serial Number \_\_\_\_\_

	<b>UNDERSIDE WHEEL FOLD INSPECTIONS:</b>	
16	Check that all tie rod ends are locked to wheel bracket but rotate freely (6 places.) Check wheels lay flat against the underside of the deck when folded.	
17	Check that wheel fold cable is in good condition and wraps around pulleys correctly.	
18	Check for wear on all wheels and all wheels roll freely, checking rear wheels roll freely when brake is released.	
19	Check that wheel brake springs are in good condition and rear wheels lock when brake is applied.	
20	Check all visible underside deck welds, particularly wheel fold linkages (aluminum brackets).	
21	Check that all other underside deck bolts are locked.	
22	Lubricate all wheel fold sleeves	
	<b>DRIVE INTERNAL COMPONENTS:</b> Remove drive shroud (7 bolts)	
23	Check adjuster locking nuts on the drive are locked (5): 2 places on cross frame tube and 3 places at brake adjuster bolts.	
24	<b>CABLES:</b> 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.	
25	<b>COUNTERBALANCE CABLE:</b> Check cable is wound around conical drum and attached at drive drum, and cable has no fraying.	
26	<b>COUNTERBALANCE SPRING:</b> Check spring is not broken or cracked. Spring should be well lubricated.	
27	<b>CHAINS:</b> 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.	
28	<b>BOLTS:</b> Check that all bolts at drive mechanism have nylocks nuts engaged and all pivots are free.	
	<b>DECK SHROUD INTERNAL COMPONENTS:</b> Remove deck shroud (4 bolts)	
29	Check wheel fold pivot points (3 places: one at main pivot and 2 at cable ends).	
30	Check that wheel fold springs are in good condition	
31	Check return cable adjuster nuts are locked (located under deck shroud)	
32	Check that wheel brake return spring is connected and in good condition. Pull on brake handle a few times to check action / pivots.	
33	<b>RAMP CABLES:</b> Check bridge ramp and ramp securing cables are operating and not frayed.	
34	<b>RAMPS:</b> Check all ramps lay flat (ground ramp, bridge ramp, extension ramp) and are not twisted/bent.	
35	<b>WELDS:</b> Check all visible welds for signs of cracking particularly all hinge points at deck and ramps.	
36	<b>FASTENERS:</b> 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.	

37	<b>LIFTING CABLE TENSION:</b> 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	
38	<b>LIFTING CABLE:</b> 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.	
39	<b>CABLE WINDING:</b> 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.	
40	<b>CABLES INSIDE POST:</b> With the lift at aprox. 6" above ground, inspect the paralleling cables inside each corner post for fraying, particularly at the top and bottom of each post.	
41	<b>DECALS:</b> Re-install the shrouds and check that all decals are in good condition and legible, particularly the main pictogram on the drive shroud.	
42	<b>PLASTIC PARTS:</b> 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)	
43	<b>LOAD TEST:</b> Conduct LOAD TEST (see below.)	

## LOAD TEST

Serial Number \_\_\_\_\_

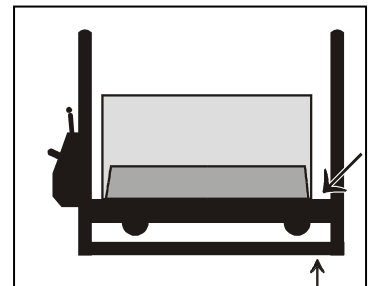
The lift must be re-load tested to 1800 lbs (820 kg) (3 times the design load) following this inspection or any repairs or adjustments.

### Equipment Required for Testing:

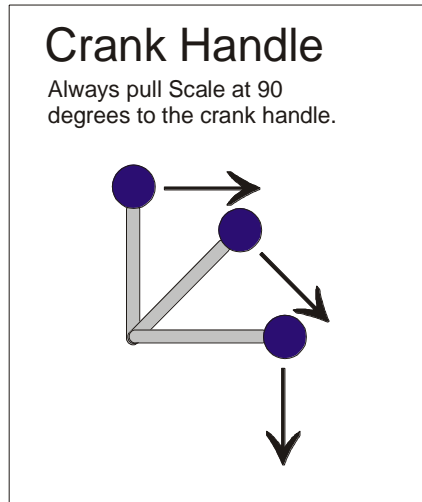
- 1 – Calibrated Spring Scale (eg: fish scale type) up to 50lb
- 1 – 2" Strap or Chain 12ft long . Must have a working load limit of 2000lb or greater may be use for this test.
- 1 – 2x4 wood or similar 37" long

### 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: \_\_\_\_\_