

# Operation and Service Manual

## Manual Mobile Lift Table

### BX30, BX50, BX80

### BX15W, BX30W(30S), BX50SW, BX50W

Read this manual carefully and understand completely before operating lift Tables. Keep filing this manual for future reference. If this copy is lost, please contact your local supplier for a replacement.

#### Explanation of Terms and Symbols


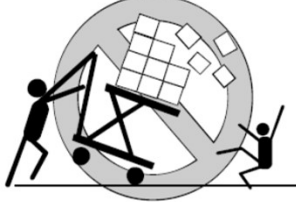


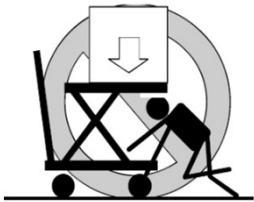




In this manual, 「Warning」, 「Caution」 are defined and specified as below. Notice of Warnings are very important for safe operations. As these are very important to protect operators from accidents resulting in personal injury and death, and damage to property, so make sure to read thoroughly and understand fully before operation.

**Warning** Incorrect operation may result in serious injury or death of the operator.

**Caution** Incorrect operation may result in injury and damage to the property. The occurrence of the danger is lower than "Warning" articles.

#### ⚠ Warning !

◎ Hazard or unsafe practice which, if not avoided, may result in DEATH or SEVERE PERSONAL INJURY and PROPERTY DAMAGE.

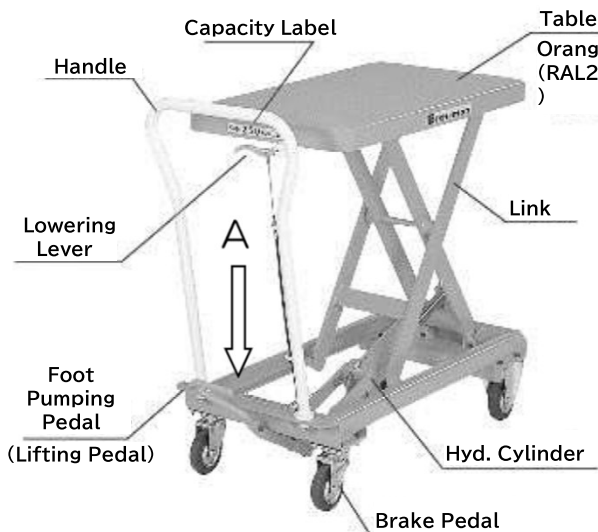
			
DO NOT use lifter on slope, unlevel or soft surface. Lifter may become unstable and/or uncontrollable. SEVERE PERSONAL INJURY and PROPERTY DAMAGE could result	DO NOT move/manuever lifter with table (cargo) kept at high position. It may result in turnover and cargo collapsing SEVERE PERSONAL INJURY and PROPERTY DAMAGE could result	DO NOT put hand near Scissor Mechanism or other moving parts. SEVERE PERSONAL INJURY could result	NEVER sit, stand or ride on table. SEVERE PERSONAL INJURY or DEATH could result
			
NEVER go under table. SEVERE PERSONAL INJURY or DEATH could result	DO NOT overload lifter. ALWAYS stay within designated capacity and load center rating SEVERE PERSONAL INJURY could result	USE ONLY in areas clear of all personnel and objects. SEVERE PERSONAL INJURY and PROPERTY DAMAGE could result	DO NOT use in areas of multi level floor surface Loss of control and SEVERE PERSONAL INJURY could result
			
KEEP FEET CLEAR of rolling wheels SEVERE PERSONAL INJURY could result			

## ⚠ Caution !

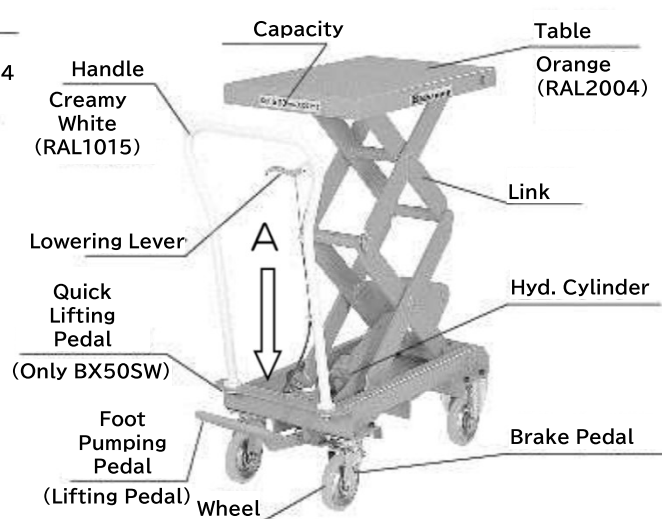
© Hazard or unsafe practice which, if not avoided, may result in MINOR or MODERATE PERSONAL INJURY and PROPERTY DAMAGE.

1. READ THIS OPERATION MANUAL COMPLETELY BEFORE USING AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS. Wrongful use may result in accident.
2. This mobile lift table is designed to use on smooth floor with balanced, stable, firmly stacked load that is within capacity and load diagram. DO NOT use for any other purpose than its intended use.
3. Mobile Lift Table shall be operated by TRAINED personnel only. OPERATOR shall read "Operation Manual" completely and thoroughly understand the controls and operation of this equipment BEFORE operating.
4. DO NOT lower the table with load with fast speed. Or it may result in impact load and damage the lift table.
5. ALWAYS observe lift table and ALWAYS stay at the controls while the lift table is in motion. RELEASE controls and STOP lift table immediately if load on the lift table appears to become unstable. NEVER leave the loaded lift table unattended unless the table are fully lowered position.
6. Set the parking brake and park the lift table when moving the load onto the table. Or the unit may start to move all of a sudden during moving of the load and may result in falling of the load.
7. DO NOT use lift table with unstable, unbalanced or loosely stacked load. Unbalanced loads may become unstable and fall. SEVERE PERSONAL INJURY and PROPERTY DAMAGE could result.
8. DO NOT handle unsecured or unstable load that could fall backwards.
9. Make sure to perform the inspection following to the instructions of Operation Manual.
10. DO NOT alter or modify the lift table in any way.
11. ALWAYS keep feet, hands and fingers away from casters, load wheels and all moving parts and components. SEVERE INJURY could result.
12. ALWAYS perform maintenance and inspection with lift table unloaded.
13. The lift table is NOT waterproof and is intended to be used in a dry environment and at a moderate temperature range.

## 1. Name of Components



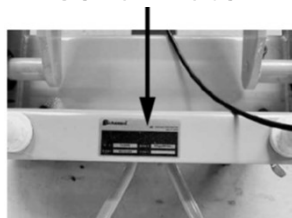
**Model BX25**



**Model BX50SW**

**A Arrows**

**Serial Plate**



## 2. Pre-Operation Check

Perform the Pre-Operation checks before operating everyday.

### ⚠ Caution

If any abnormality is found, **DO NOT** use lifter until lifter is repaired and abnormality is fully removed. Or it may result in damage to the lifter and serious injury and accidents.

Check below before operating.

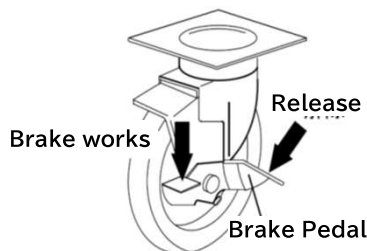
1. Any damage, distortion or crack in the lifter frame, table ?
2. Any oil leak from hydraulic line, cylinder ?
3. Does table not lower naturally after lifted ?
4. Do wheels roll smoothly ?
5. Does brake work properly ?
6. Are bolts and nuts fastened firm ?

## 3. Operation

### 3-1 Brake

#### ⚠ Warning

Make sure to lock the brake except when maneuvering. Or lifter may move all of sudden and could result in accidents.



Right side flexible wheels have brake to lock wheel

- ① To lock - Push down of Brake Pedal in the front
- ② To release - Push down the Pedal in the back

### 3-2 Maneuver (Move)

#### ⚠ Warning

- **DO NOT** maneuver or stop lifter on the slope.
- **DO NOT** move/manuever lifter with table (cargo) kept at high position. It may result in unbalance of the cargo and lifter, and could lead to collapse of the cargo and lifter.

- ① If table is loaded with cargo, make sure cargo does not collapse from the vibration during maneuvering. And lower the table to a lower position.
- ② Hold handle and release brake.
- ③ Pay close attention on lifter surroundings and possible collapse of the cargo when maneuvering the lifter.
- ④ Lock the brake when reached destination.

### 3-3 Lifting table

#### Max Capacity of Each Model :

BX10W - 100kg, BX25 - 250kg, BX50 - 500kg, BX80 - 800kg  
BX30W(S) - 300kg, BX50SW & BX50W - 500kg

#### ⚠ Caution

- **DO NOT** overload the lifter.
- **DO NOT** place load on the table in an unbalanced manner such as on a single point, an edge, or a corner.

**This could result in the collapse of the cargo and accident.**

When pumping Lifting Pedal, lift table goes up. Pump up until table reach required height. When table reach max height, table does not go up any further.

**Note :**

Table is supported by Hyd. Cylinder. Because of the hydraulic system, table lowers little by little naturally. Be noted table can not keep same height for long time.

## ■ Quick Lifting Pedal of Model BX50SW

Model BX50SW has Quick Lifting Pedal. By pumping this Quick Lifting Pedal together with Lifting Pedal, table goes up three times as fast as normal.

### ⚠ Caution

**Quick Lifting Pedal can be used only when table is unloaded. Or lift table could be damaged**

## 3-4 Lowering table

### ⚠ Warning

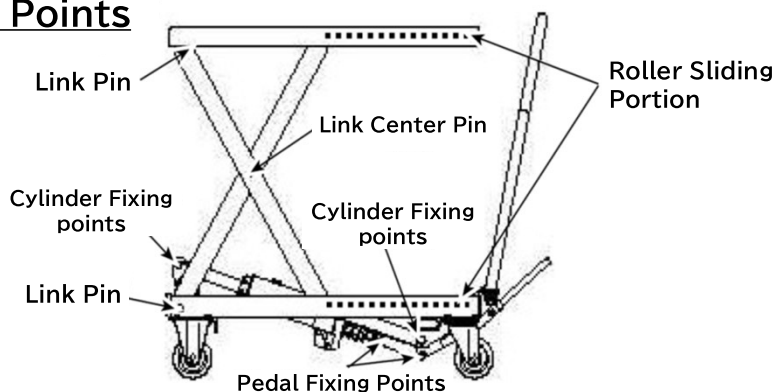
**DO NOT put hands near Scissor mechanism or other moving parts. Severe injury could result**

Table would lower when pulling up Lowering Lever. When releasing Lever, table stops lowering. Lowering speed can be adjusted in accordance with the degree of Lever pulling. If release Lever, table stops at that height.

## 4. Regular Maintenance

Perform regular periodic maintenance for the long life of the unit.

### Lubricate Points

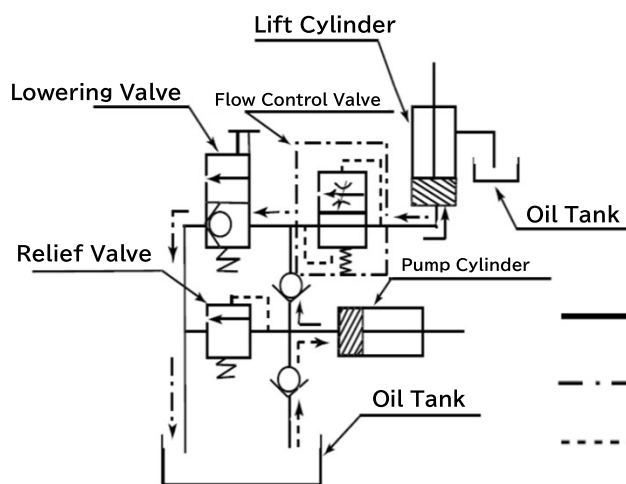


1. Lubricate (grease up, put lubrication oil) on sliding portion of link roller etc.  
- Every Month
2. Replace hyd. oil (ISO VG22) - Every 12 months

## 5. Specification

Model No.	Capacity (kg)	Table Size (mm)	Table Height (mm)	Overall H X W X L (mm)	Vertical Travel(mm)	Pumping Times	Wheel	Machine Weight(kg)
BX15W	150	500X813	380~1,350	898X500X1,046	970	31	Φ100 Rubber	93
BX30	300	500X813	290~867	898X500X1,008	577	25	Φ100 Rubber	69
BX30W(30S)	300	518X1,010	433~1,578	961X520X1,270	1,145	64	Φ150 Polyurethane	138
BX50	500	518X1,010	438~998	861X518X1,195	560	50	Φ150 Polyurethane	112
BX50SW	500	460X650	419~1,004	940X460X938	585	66	Φ125 Polyurethane	102
BX50W	500	518X1,010	433~1, 578	961X520X1,270	1,145	90	Φ150 Polyurethane	151
BX80	800	518X1,010	438~998	961X520X1,270	560	67	Φ150 Polyurethane	115

## 6. Hydraulic Circuit Diagram



### Oil Volume required

BX15W	0.16 Litter
BX30	0.16 Litter
BX30W(30S)	0.21 Litter
BX50	0.17 Litter
BX50SW	0.17 Litter
BX50W	0.40 Litter
BX80	0.22 Litter

## 7. Disposal

When disposing of this lift table, dispose of the metal, non-metal, plastic, and hydraulic oil components separately. There are regulations for disposing of the hydraulic oil, so make sure to sort and follow the local rules. If you have any questions regarding disposal, please check with your supplier of the lift table.

## 8. Product Warranty Conditions

### Warranty

Should the unit malfunction within the warranty period (Within one (1) year of purchase) when it has been operated in accordance with the user manual and the warning labels on the unit, we will adjust the defective component, repair it, or send a replacement part free of charge. However, this does not apply in the case of secondary damage or any damage which any of the following apply:

- (1) Damage or injury resulting from incorrect operation, improper inspection, improper storage, or any other type of negligence
- (2) Damage or injuries resulting from changes (modifications) that negatively impact the product's operation mechanism
- (3) Consumable parts that are damaged and need to be replaced
- (4) Damage or injury resulting from fires, earthquakes, wind, floods, or other natural disasters or external factors
- (5) Problem resulting from specified parts not being used
- (6) Error in the warranty claim process (Ex: failure to indicate Model or Serial No. etc.)
- (7) Damage or injury resulting from installation
- (8) Repairs performed not by our company or not by our authorized dealer
- (9) Damage confirmed to be the result of overuse, user error, or accident

Furthermore, all rubber components and other naturally degradable products used in this products and its accessories, as well as all consumable products, fall outside the scope of this warranty.

**This lift table is not waterproof, so rust, corrosion, short circuits, and other damage caused by water is not covered under warranty.**

### How to Claim Warranty

If you decide to file claim for this product based on the above, please contact your dealer. The dealer will carry out the necessary procedures. In addition, we can not decide whether or not any particular situation falls within the scope of this warranty.

## 9. After Sales Service

•Product does not work properly	→	Review the manual and try to find solution
•Product still does not work properly	→	Contact your supplier and request repairs
•Repairs within the warranty period	→	The warranty is valid one year from the date of purchase. We will service your product in accordance with warranty conditions.
•Repairs out of warranty period	→	Consult with your supplier
•Availability of Spare Parts	→	The spare parts are available for 8 years after discontinuing manufacturing

Contact your lifter supplier for any information regarding after service.

When contacting your lifter supplier, provide following information.

- Model No.
- Serial No.
- Purchase Date
- Conditions of trouble

Record the above information in the table below for future inquiries.

Type	
Serial No.	
Purchase Date	
Lifter Supplier	
Installer	
Trouble Date and conditions	Date :
	Date :
	Date :
	Date :