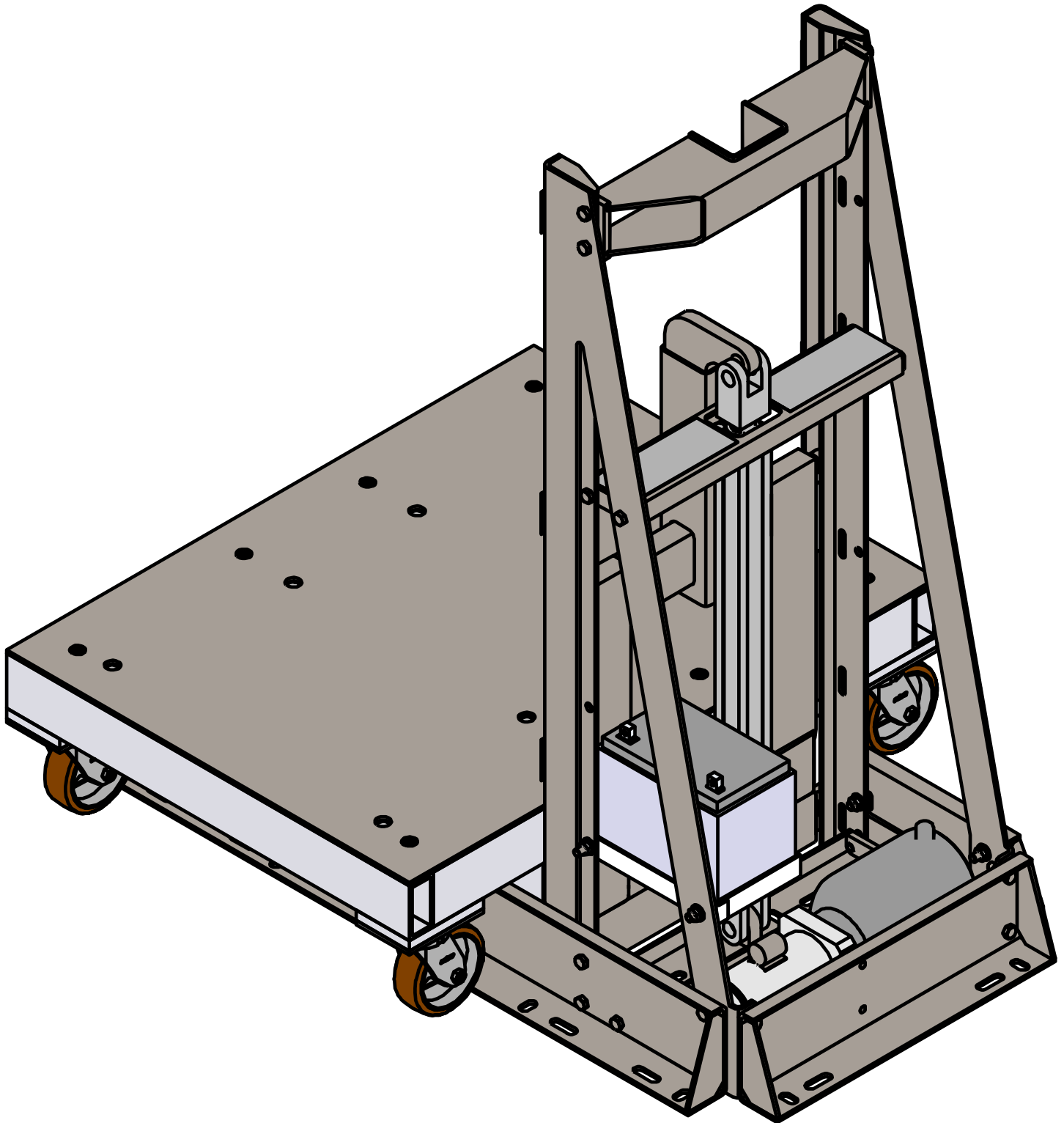


MACHINE LIFT CART



Revision: 01 | 09/2018 | Document No.: Instructions_80-013

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GENERAL WARNINGS

NOTICE

ABOUT THIS MANUAL

- The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation of this equipment and is not intended as a substitute for proper training and experience.
- This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.
- Note: In the interest of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.



WARNING

- Not a man riding device!
- Machine must be secured to cart before lifting.
- Check for and tighten any loose hardware before use.
- Ensure track wheel channel is free of debris or foreign objects before each use.
- Device must be anchored to the floor prior to use. Failure to properly anchor this device may result in serious injury or death!
- Do not stand beneath or in the path of the load. Keep body parts away from the moving components of this device while in use. Failure to do so may result in serious injury or death!

PACKING LIST

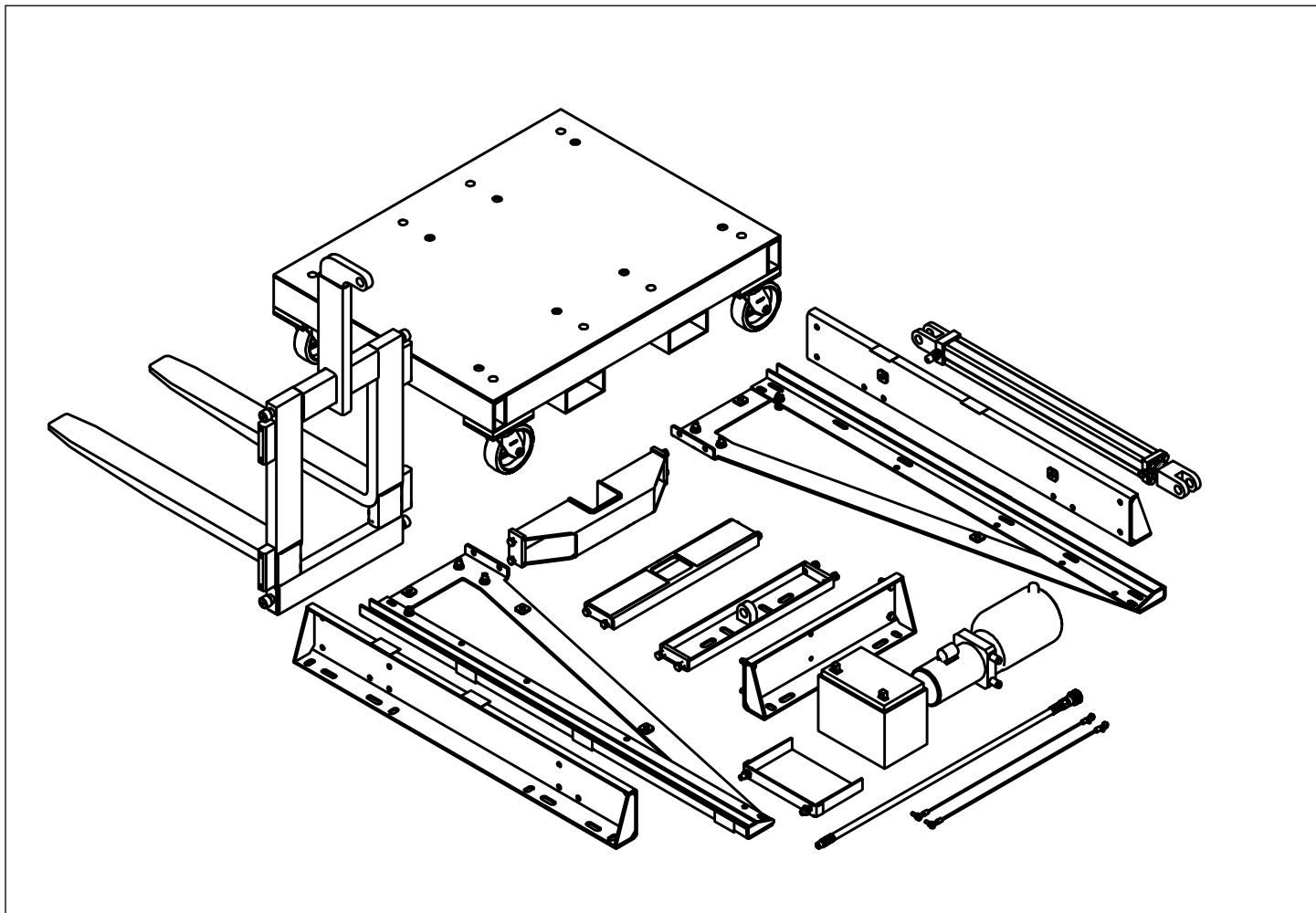


Image 1. Machine Lift Cart box contents.

- Machine cart (assembled)
- Fork assembly (assembled)
- Lift frame (assembly required)
- 12V battery
- Battery cables
- Battery tray
- Hydraulic cylinder
- Hydraulic power unit
- Hydraulic fittings, hoses, etc.

EQUIPMENT DESCRIPTION AND INTENDED USE

The Machine Lift Cart is intended to be used to lift an elevator machine from the floor onto a machine platform in the elevator machine room. The Machine Lift Cart provides a wheel-mounted platform to mount the machine for quick transport across flat, level surfaces. A set of forklift forks engage the cart and are lifted up to 42" off the ground via a stand-alone hydraulic system built into the Lift Frame. The Lift Frame is intended to be anchored to the floor to provide a stable lifting framework.

SPECIFICATIONS

- Lift capacity: 4000 lb (1814 kg)
- Minimum hydraulic power requirements:
 - Lift-hold-lower capabilities
 - 2900 psi, 1 gal. reservoir capacity

PERSONAL PROTECTIVE EQUIPMENT

- Abrasion-resistant gloves
- Steel toe & steel sole boots
- Safety glasses
- Hard Hat



INSTALLATION / ASSEMBLY TOOLS REQUIRED

- Ratcheting socket wrench
- 1/2" socket or wrench
- 9/16" socket or wrench
- 3/4" socket or wrench

SECTION A: ASSEMBLY & INSTALLATION

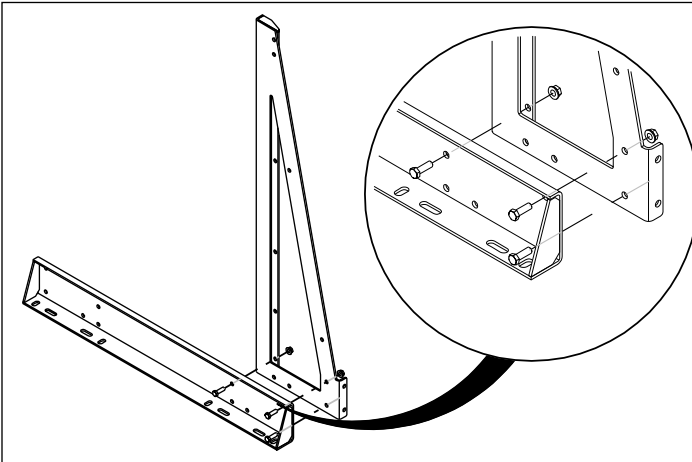


Image A1.

1. Build one side of the lift frame by fastening one of the triangular gusset weldments to one of the base channel weldments.

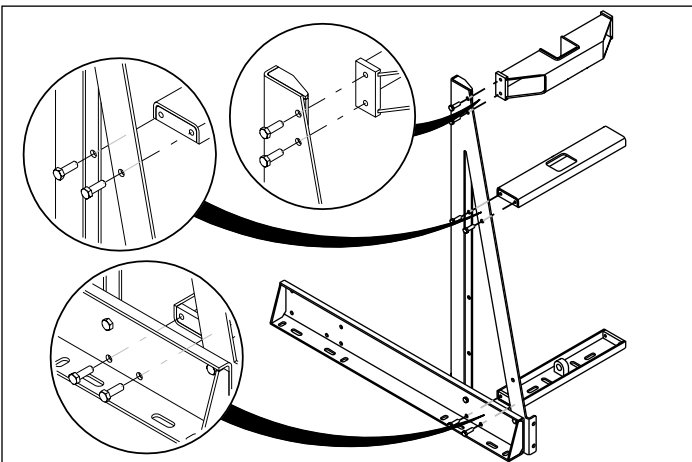


Image A2.

2. Attach the top, middle, and bottom cross weldments to the inside of the lift frame.

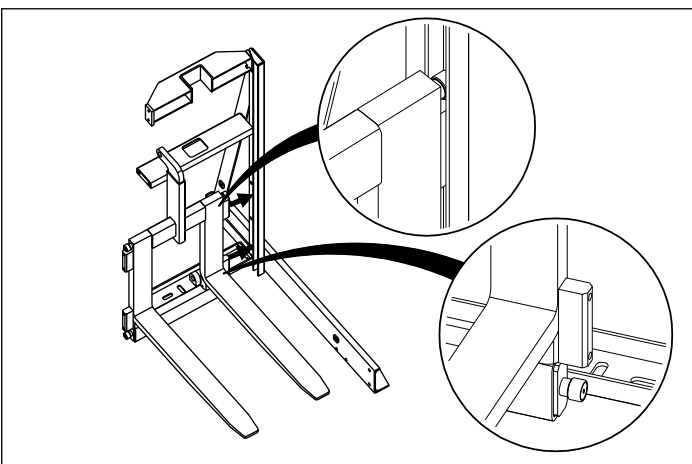


Image A3.

3. Slide the guide wheels and thrust bars on one side of the fork assembly into the channels on the inside of the lift frame.

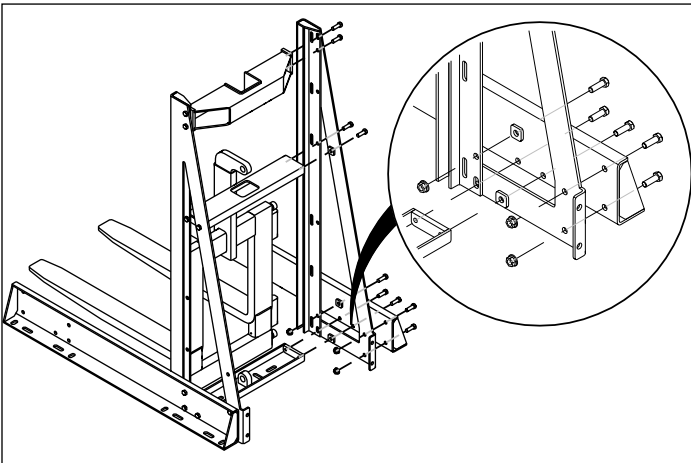


Image A4.

4. Attach the other side of the Lift Frame to the cross weldments. The guide wheels and thrust bars on the other side of the Fork Assembly should fit into the corresponding channel on the Lift Frame.

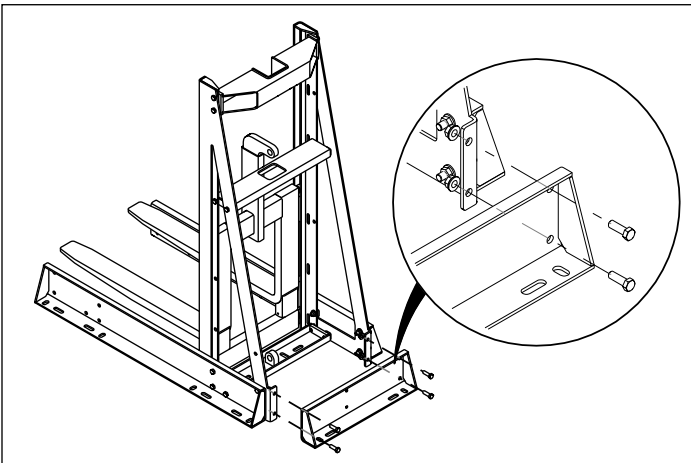


Image A5.

5. Attach the rear base channel to the lift frame.

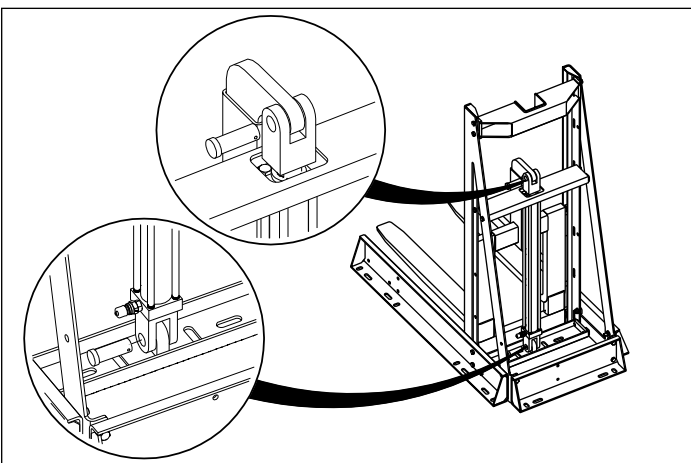


Image A6.

6. Attach the hydraulic cylinder to the bottom cross weldment and the hoist bracket on the fork assembly using clevis pins.

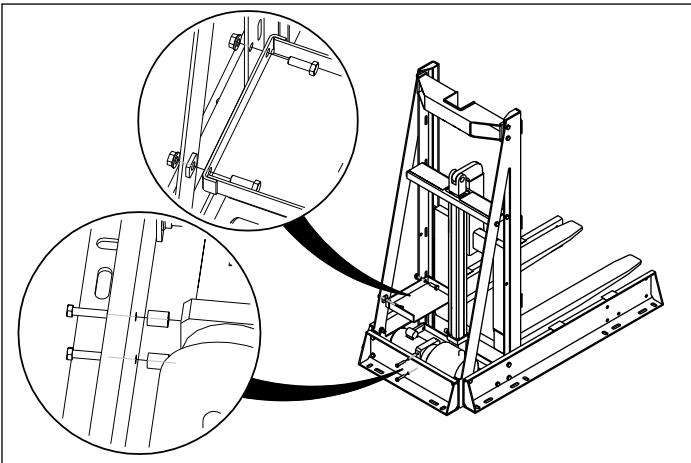


Image A7.

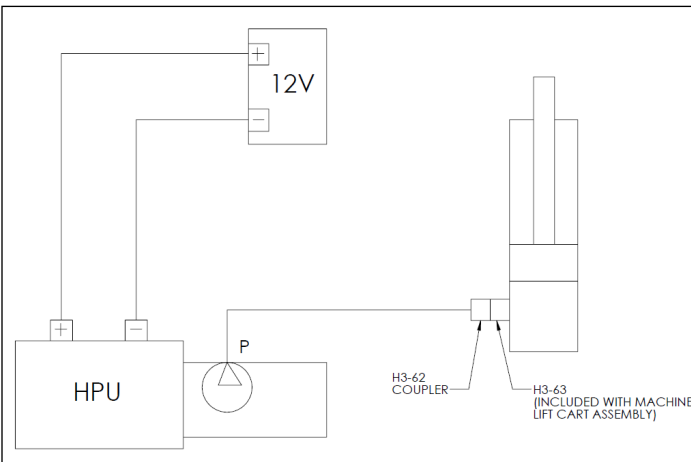
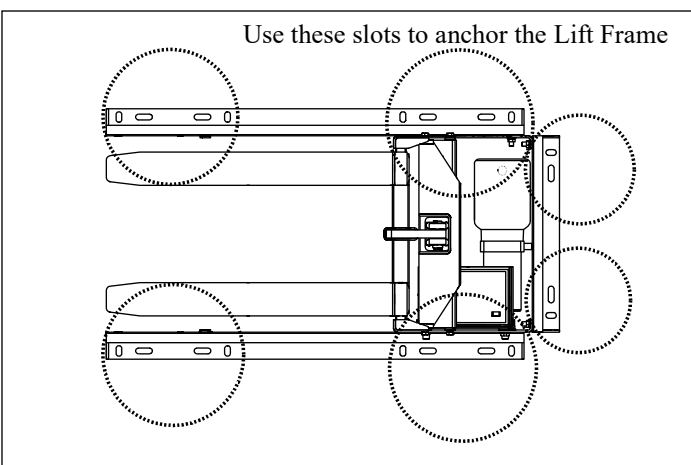


Image A8.



7. Attach the battery bracket and the hydraulic power unit (HPU) to the Lift Frame. Make sure the spacer tubes are in place between the HPU and the inside of the rear base channel.

8. Place the 12V battery onto the battery bracket
9. Plumb the HPU to the hydraulic cylinder, and wire the HPU to the 12V battery.

CAUTION

Battery cables and terminals must not be allowed to touch Machine Cart Frame. A short circuit in the battery cables will result in damage to equipment and may cause injury.

10. Fasten the lift frame to the floor using a minimum of four (4) 5/8" concrete anchors. Follow bolt manufacturer's instructions for anchor installation.

WARNING

Device must be anchored to the floor prior to use. Failure to properly anchor this device may result in serious injury or death!

SECTION B: OPERATION / PROPER USE

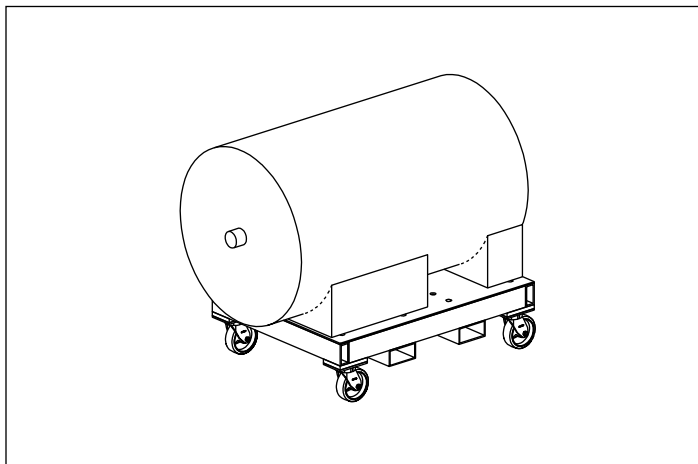


Image B1.

1. Mount the machine to the machine cart. Use the bolt holes on the top of the machine cart to fasten the machine in place for lifting.

WARNING

Machine must be secured to cart before lifting. Check for and tighten any loose hardware before use.

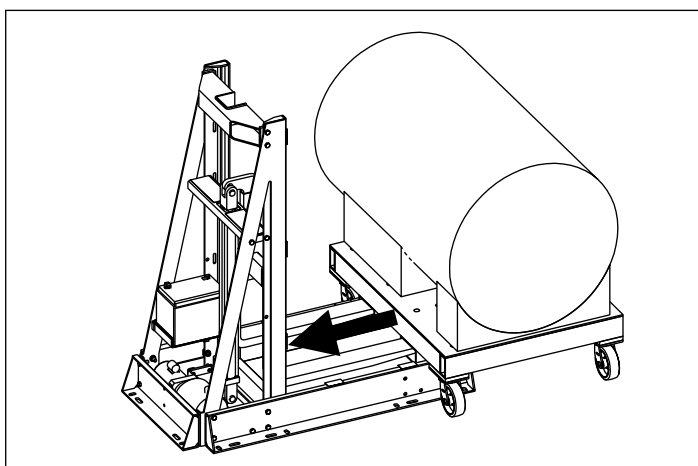


Image B2.

2. Lower the forks so that they line up with the rectangular tubes on the underside of the machine cart.
3. Roll the cart onto the forks.

WARNING

Ensure track wheel channel is free of debris or foreign objects before each use.

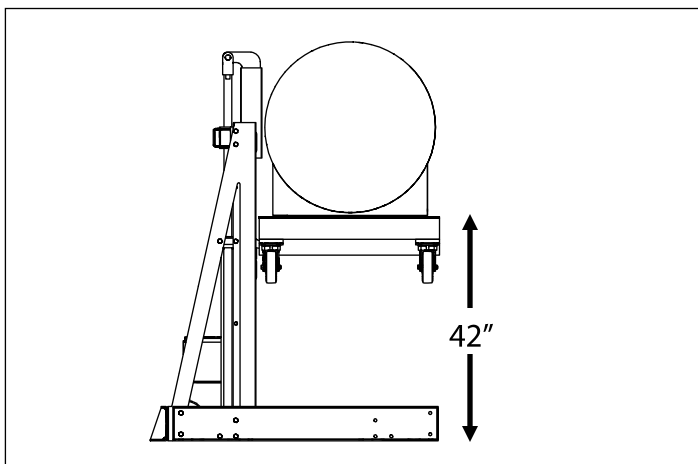


Image B3.

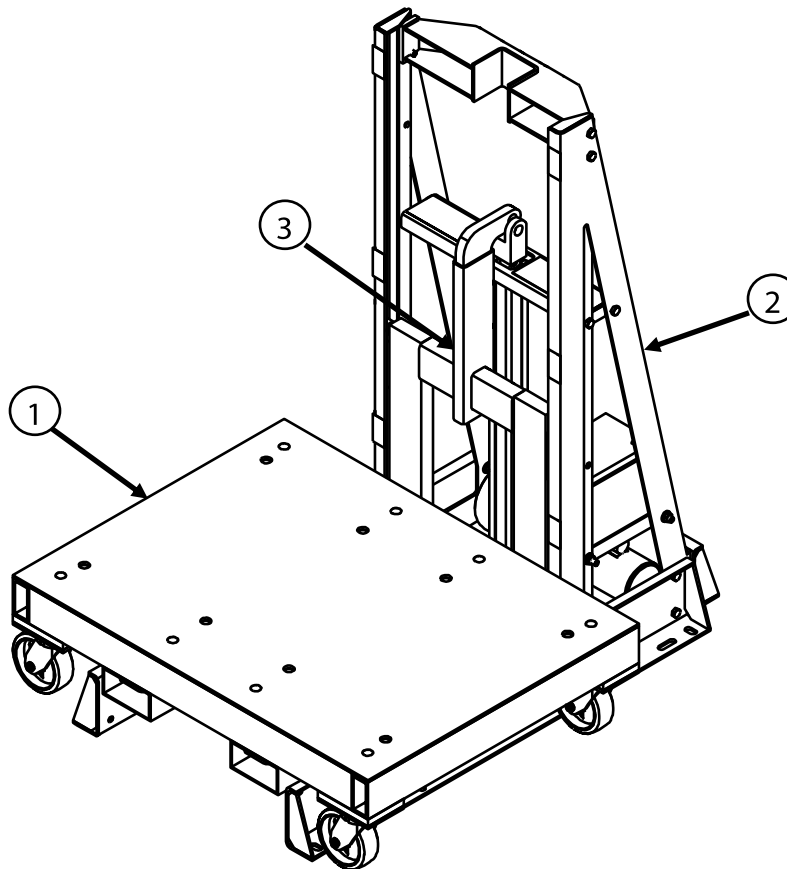
4. Raise the forks via the hydraulic system to lift the machine up to the required height.
5. Roll the machine cart onto the machine mounting surface.

WARNING

Do not stand beneath or in the path of the load. Keep body parts away from the moving components of this device while in use. Failure to do so may result in serious injury or death!

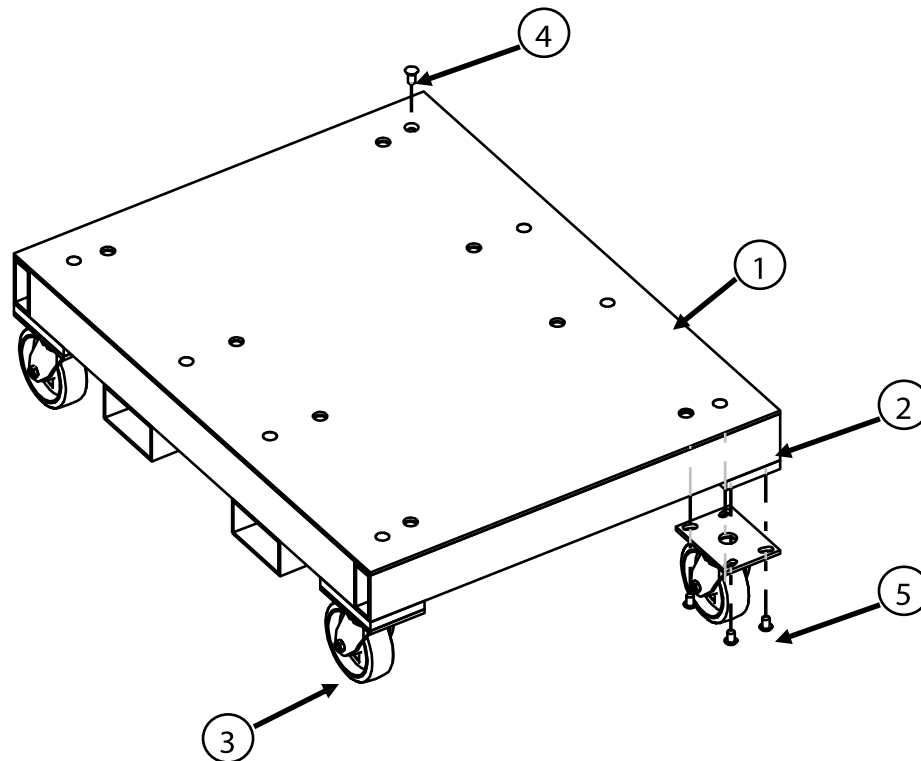
BILL OF MATERIALS

80-013 — Machine Lift Cart



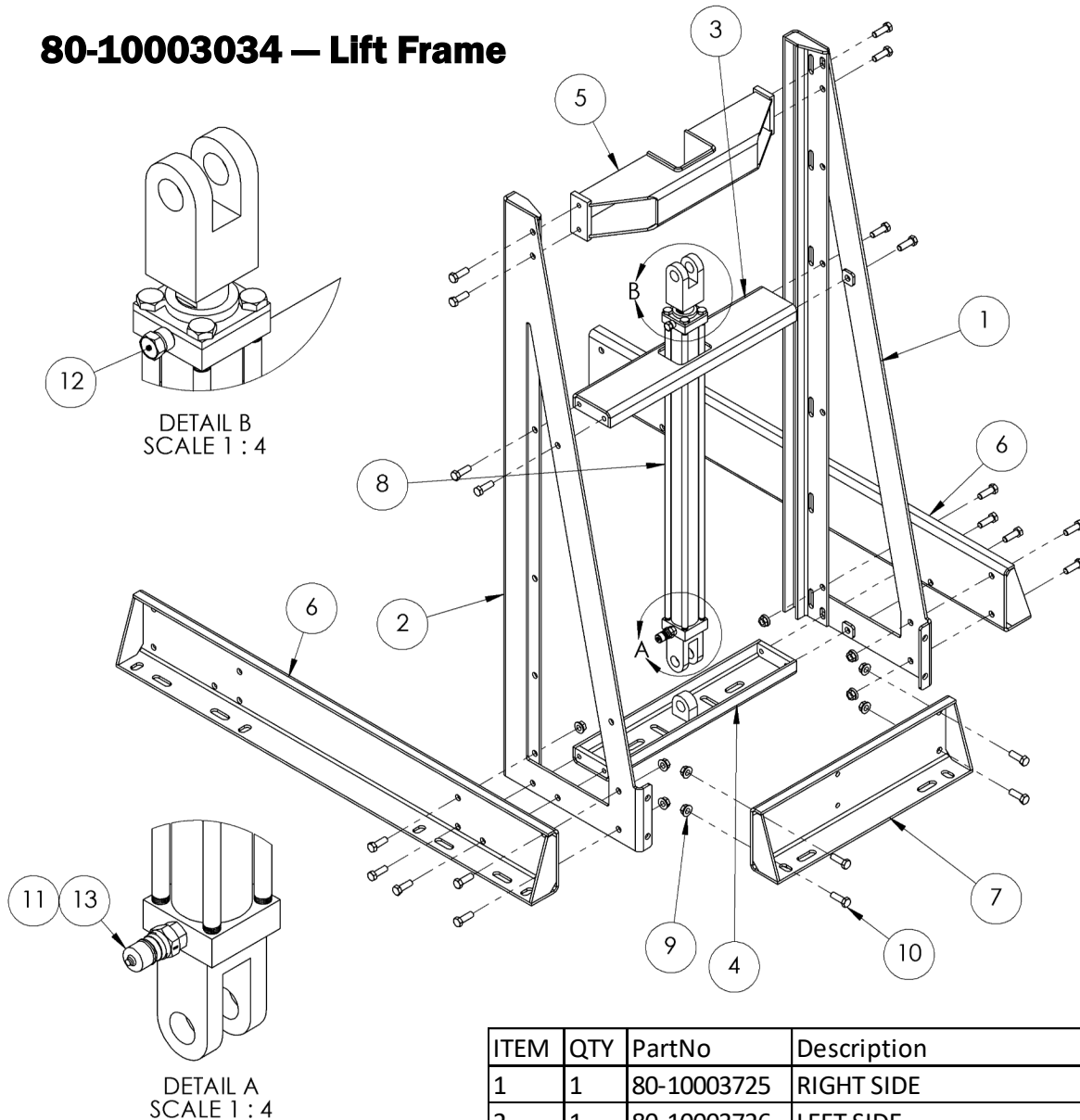
ITEM	QTY.	PartNo	Description
1	1	80-10003014	MACHINE CART
2	1	80-10003034	LIFT FRAME
3	1	80-10003045	FORK ASSEMBLY
4	1	80-10014851	MACHINE CART ACCESSORIES
5	1	80-10024163	WARNING STICKER
6	1	80-10024164	CAPACITY STICKER
7	6	LB-0138	PINCH POINT STICKER
8	4	LB-0158	CRUSH HAZARD STICKER

80-10003014 — Machine Cart



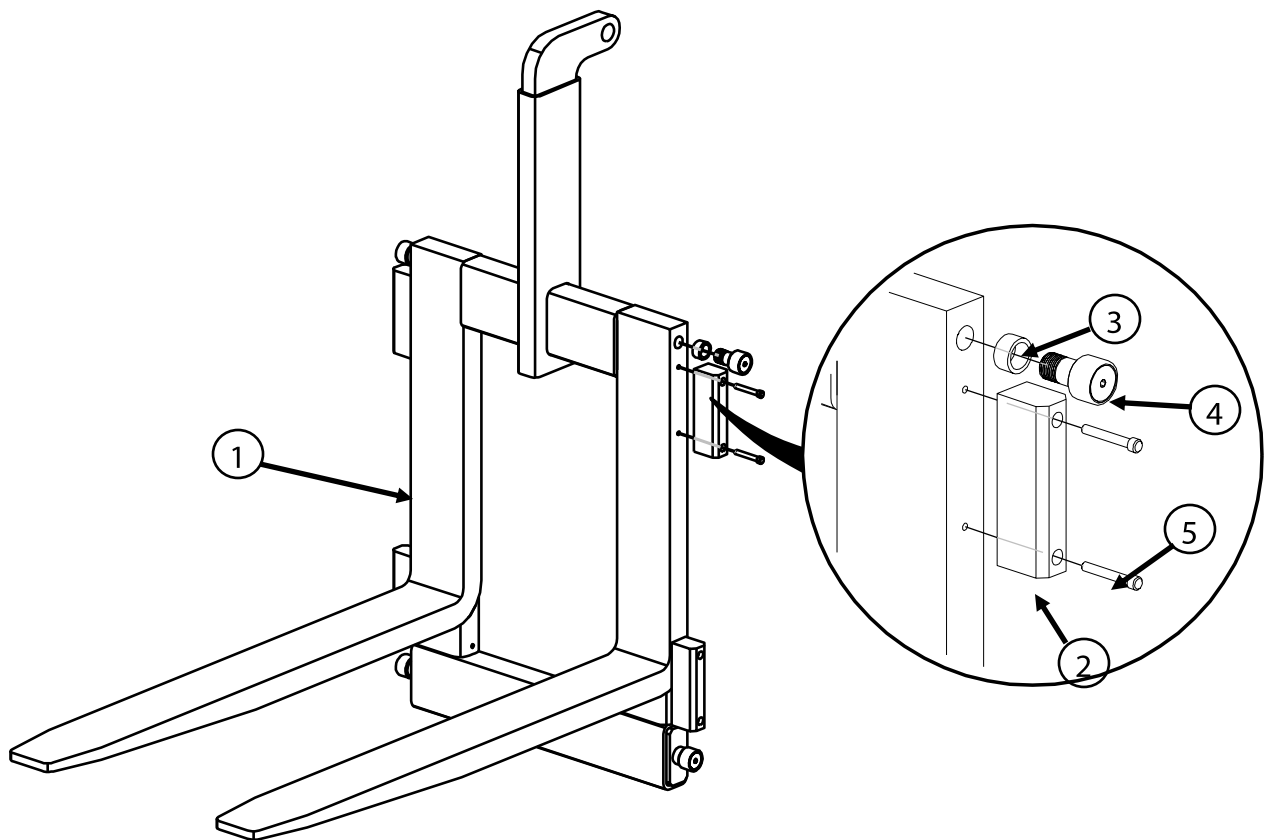
ITEM	QTY	PartNo	Description	Size	Length
1	1	80-10004447	TOP PLATE ASSY	-	-
2	1	80-10004448	CART FRAME	-	-
3	4	6.06209.939.3	TOP PLATE SWIVEL CASTER		
4	8	94361	FLAT HEAD SCREW	1/2-13	1 In
5	16	94107	BUTTON HEAD SCREW	1/2-13	3/4 In

80-10003034 — Lift Frame



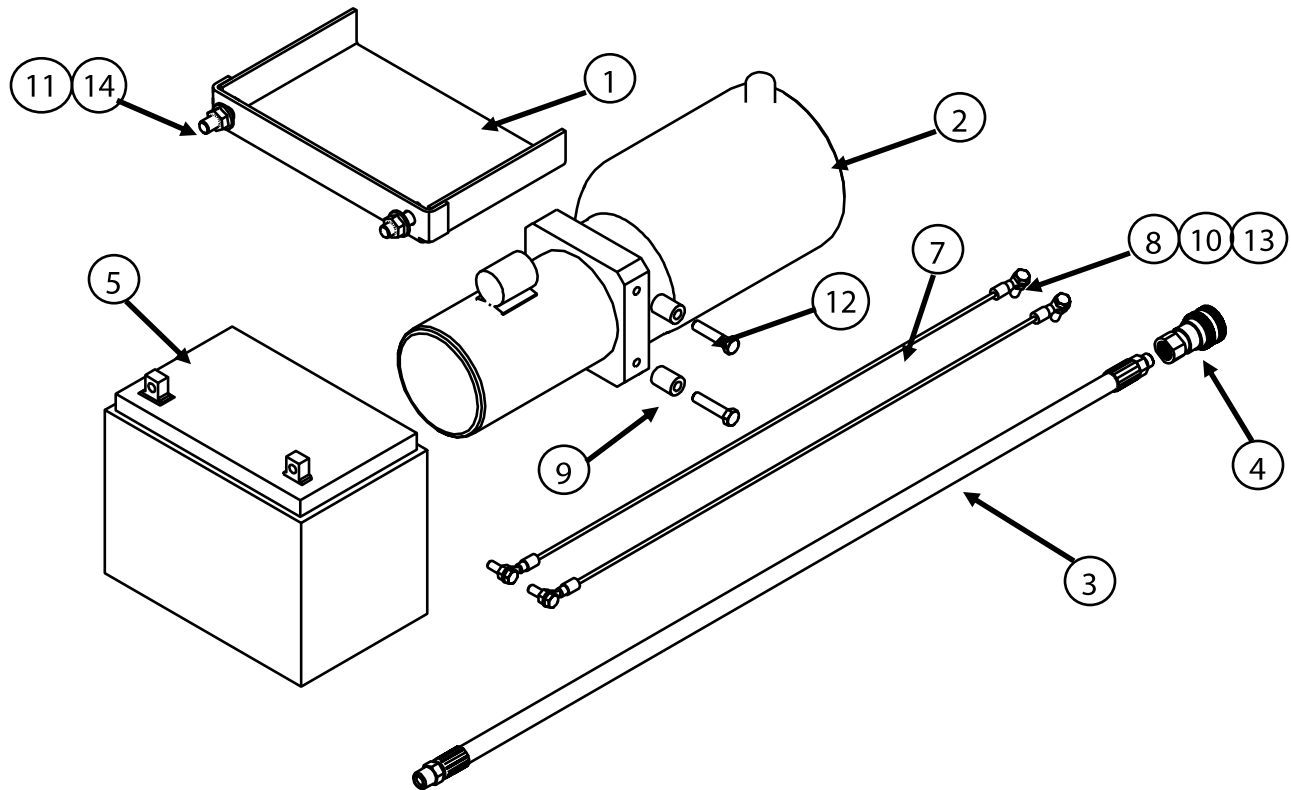
ITEM	QTY	PartNo	Description	Size	Length
1	1	80-10003725	RIGHT SIDE	-	-
2	1	80-10003726	LEFT SIDE	-	-
3	1	80-10003730	MID CROSS WELDMENT	-	-
4	1	80-10003747	BOTTOM CROSS WELDMENT	-	-
5	1	80-10003802	TOP CROSS	-	-
6	2	80-10004099	BASE WELDMENT	-	-
7	1	80-10004123	BASE WELDMENT REAR	-	-
8	1	20LH30-112	2" BORE X 30" STROKE HYDRAULIC CYLINDER		
9	10	37345	SERRATED HEX FLANGE NUT	1/2-13	
10	22	15209	HEX HEAD CAP SCREW	1/2-13	1 1/2 In
11	1	3/8 FF-S	PIPE NIPPLE	3/8-18	-
12	1	04706 0006	BREATHER VENT	3/8" NPT	-
13	1	H3-63	NIPPLE	3/8-18	-

80-10003045 — Fork Assembly



ITEM	QTY	PartNo	Description	Size	Length	Material
1	1	80-10003018	CART JACK	-	-	N/A
2	4	80-10008713	THRUST BAR	-	-	Nylon 6/6
3	4	80-10013807	ROUND TUBING	1" OD X 0.12" WALL	0.5	ASTM A-513 T5 DOM
4	4	1470T49	TRACK ROLLER	1 1/4" DIA. X 3/4" WIDE	-	ASTM A36 Steel
5	8	93210	SOCKET HEAD CAP SCREW	1/4-20	1 3/4	ALLOY STEEL

80-10014851 — Machine Cart Accessories



ITEM	QTY	PartNo	Description	Size	Length
1	1	80-10013809	BATTERY SHELF	-	-
2	1	YBZ5-F2.1B1W2/WUAAD1	HYDRAULIC POWER UNIT	-	-
3	1	387TC-01-05-06-06-36.00	HYDRAULIC HOSE W/ FITTINGS	3/8-18 NPTF X 3/8" ID X 9/16-18 SAE O-RING	36"
4	1	H3-62	COUPLER	3/8-18	-
5	1	SP12-75NB	12 V BATTERY		
6	1	SPC12-6	12V/6A BATTERY CHARGER	-	-
7	2	9874T17 BLACK	MACHINE TOOL WIRE	6 AWG	24"
8	4	0704833	DOUBLE CRIMP RING TERMINAL	6 AWG 5/16" STUD	-
9	2	92510A808	SPACER	3/4" OD X .38" ID	1"
10	4	36104	HEX NUT	5/16-18	
11	2	37345	SERRATED HEX FLANGE NUT	1/2-13	
12	2	13110	HEX HEAD CAP SCREW	3/8-16	1 3/4 In
13	4	13055	HEX HEAD CAP SCREW	5/16-18	1 In
14	2	15209	HEX HEAD CAP SCREW	1/2-13	1 1/2 In