



Models JML-16S & JML-12S

Material Lift

OPERATING INSTRUCTIONS AND PARTS MANUAL



Part Number: M-JT1-2597

Edition 4 06/2026

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WARNING

Read and understand this entire owner's manual before operating this material lift. Failure to comply with instructions and safety warnings in this manual and on the lift may cause serious injury.

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1 Introduction

1.1 JET TOOLS®

Congratulations on purchasing this quality JET product. JET Tools is committed to being the supplier you can depend on for the highest quality products, superior innovation, and outstanding customer service. For more than 50 years, JET tool products have been used by manufacturing professionals in plants, machine shops, and workshops across the United States. We are also proud to serve the prosumer and hobbyist workshops everywhere.

This manual covers the safe operation and maintenance procedures for the JET Material Lift. This manual contains instructions on safety precautions, assembly, general operating procedures, maintenance instructions, and replacement parts. This tool is designed and constructed to provide consistent, long-term operation if used in accordance with instructions contained in this manual.

If you have any questions or comments, please contact either your local supplier or JET Tools. JET Tools can also be reached at our web site: www.jettools.com.

Contact Us:

JET Tools
427 New Sanford Road
La Vergne, TN 37086
Phone: 800.274.6848
www.jettools.com

1.2 MATERIAL LIFT IDENTIFICATION

JET Material Lifts are serialized for quality control, production traceability, and warranty enforcement. When ordering parts or filing a warranty claim, please refer to the aluminum identification tag with engraved serial number, model number, and stock number. Fill in the information below for easy recall when needed.

Model Number: _____

Serial Number: _____

Date Purchased: _____

Where Purchased: _____

1.3 PRODUCT REGISTRATION

There are three ways you can register this product with JET Tools.

1. Fill out and mail the registration card provided with this product.
2. Register online at jettools.com/product-registration/.
3. Scan the QR code below. There, you will find a product registration link.



1.4 MATERIAL LIFT ONLINE INFORMATION

Scan the QR code below to find more information about JET's family of material lifts.



1.5 OPERATOR AND SUPERVISOR INFORMATION

WARNING

Read and understand this entire owner's manual before operating this material lift. Failure to comply with instructions and safety warnings in this manual and on the lift may cause serious injury.

This manual provides information for handling, installing, operating, and maintaining your lift. The product specifications and contents of this manual are subject to change without notice due to improvements in the machinery or changes in regulatory standards and codes.

Provide operators with sufficient training and education regarding the machine and its use prior to lift operation. Do not allow unqualified personnel to operate the lift.

For quick and easy reference, keep this manual inside the provided owner's manual tube, located at the bottom rear of the mast. See *Section 3 PRODUCT IDENTIFICATION*.

It is the responsibility of the supervisor and lift operator to follow all health, safety, and accident prevention standards and laws governing the use of this product in the respective municipality, state, and country where it will be operated.

1.6 SIGNAL WORD DEFINITIONS

DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazardous situation that, if not avoided, could result in mild to moderate injury and/or property damage.

NOTICE

Indicates information considered important but not hazard related.

1.7 INTENDED USE

This lift is to be used for lifting materials only. The materials to be lifted are to stay under the maximum load ratings as outlined in *Section 4.3 LOAD RATINGS AND PLACEMENT*.

Follow all safety information and instructions in this manual for safe and proper operation of this material lift.

All operators are expected to have the needed physical ability to safely and properly operate this material lift.

2 Safety Information

BEFORE USE

1. Thoroughly read and understand this entire instruction manual for safety information and assembly, operation, and maintenance instructions. Failure to follow the information provided in this manual may cause serious injury or death.
2. This material lift is designed and intended for use by properly trained and experienced personnel only. Learn how to operate this lift properly and safely. If you are not familiar with the proper and safe operation of this lift, do not use it. Follow proper and safe lifting practices.
3. Do not use this material lift for purposes other than its intended use, as outlined in this owner's manual. If used for other purposes, JET disclaims any real or implied warranty and holds itself harmless from any resulting injury or property damage.
4. Always take time to study the job to be performed and choose the safest method. Do not place yourself or other people in an unsafe position.
5. Always inspect the material lift and cable for damage prior to use. If lift is damaged, repair before use. Do not attempt to lengthen or repair cables. If cable is kinked, frayed, worn, or damaged, replace before use. Replace cable with a factory replacement cable only. Do not use any other type of cable.
6. Make sure all warning and instructional labels are in place and legible.
7. Perform non-load operation tests before each use.
8. Only use replacement parts and accessories approved and provided by JET.

WORK AREA SAFETY

1. Keep bystanders a safe distance from the work area and material lift path while in use. Keep children away. Do not allow children to access or operate this material lift.
2. Do not lift, lower, or support loads over the top of people.
3. Never allow anyone under an elevated load.
4. Use this material lift only on solid and level surfaces that can withstand the weight of the material lift and load. Do not use on inclines.
5. Keep work area and material lift path clear of debris and clutter.
6. This lift is not insulated from electrical current. If it contacts energized power lines, severe injury or death can occur if you are touching the lift. Keep away from the

lift if it contacts energized power lines. Shut off power lines immediately and safely move the lift away from the hazard.

7. Maintain a safe distance from electrical power lines and machinery in accordance with government regulations, codes and industry standards. Allow for electrical line sway and sag and be aware of strong or gusty winds. Refer to OSHA Standard 1926.1408.

PERSONAL SAFETY

1. Wear proper clothing and safety gear. When operating this material lift, wear a hard hat, safety glasses, steel-toe shoes, and gloves.
2. Always maintain your balance and firm footing when operating the material lift.
3. Give your work undivided attention. Looking around, carrying on a conversation and "horse-play" are careless acts that can result in serious injury.
4. The material lift is heavy. Use proper lifting practices and multiple people to lift or lower the lift to-or-from the horizontal transport mode or when lifting and positioning into a truck or trailer.

FALL HAZARDS

1. Do not use this material lift to lift, lower, support, or transport people.
2. Do not stand on the load forks.
3. Do not climb on the mast or material lift.
4. Do not use this material lift to support ladders for climbing or hoisting.

TIP-OVER HAZARDS

1. Do not exceed the rated load capacity of the material lift. Do not operate material lift unless load is centered, balanced, and secured on the forks. Follow the information in *Section 4.3 LOAD RATINGS AND PLACEMENT*.
 2. Do not raise a load unless the stabilizing legs are locked in lifting position (wide) and all casters are in full contact with the floor or ground.
 3. Do not raise a load unless the machine is on a solid and level surface that can withstand the weight of the material lift and load. Make sure the surface does not have drop-offs, holes, bumps, or debris. Make sure the surface is not slippery.
-

4. Do not move the material lift to different locations while a load is attached and lifted or with the mast raised. Lower mast to the lowest position and remove load before moving to another location.
5. Make sure front legs and stabilizer legs are positioned correctly and locked before lifting a load.
6. Do not release locking leg latches or disengage stabilizing leg locking pins while the lift is under load.
7. Do not climb on the material lift or place a ladder or any type of side load on the mast.
8. Do not use blocks to level the lift.
9. Do not operate this machine in strong or gusty winds.
10. Do not use this lift on a moving surface or on a vehicle, moving or stationary. Do not use a forklift to raise an operating material lift to gain additional load height.
8. Avoid sideways cable slip. When winding the cable under load, make sure a minimum space of 2-times the cable diameter remains on the drum flange.
9. Always leave at least five wraps of the cable on the drum. Failure to do so may break the cable connection to drum and result in serious injury or property damage.
10. Be aware of and avoid pinch points, such as the folding legs, mast sections, winch, cable, and lifting forks. Keep hands away from all moving parts while operating lift.
11. Do not use more than one material lift to raise or lower a load.
12. When raising, lowering, or moving material lift, make sure there is adequate clearance to overhead wires and other objects and/or obstructions.
13. Do not operate lift outdoors in windy or gusty conditions, during storms, or if lightning is in the area.

OPERATIONAL SAFETY

1. Do not exceed the rated load capacity of the material lift. See *Section 4.3 LOAD RATINGS AND PLACEMENT*.
2. Do not operate material lift unless load is centered, balanced, and secured on the forks. Follow the information in *Section 4.3 LOAD RATINGS AND PLACEMENT*.
3. Properly prepare the material lift before placing a load on the lifting forks. Ensure the lift is in the vertical lift mode with stabilizers extended and locked. Adjust height of stabilizer wheels to make full contact with the floor. Lock the rear and front leg locking casters. Ensure the leg latches are locked. See *Section 6 Lifting Operation*.
4. Check winch for proper operation before each use. Do not use if damaged. Repair or replace immediately.
5. Make sure cable wind/loop is in the correct orientation. The cable should always enter and exit the winch reel on the side facing the mast (not away from the mast). See Figure 2-1.
6. When operating the winch using a drill, do not use a drill rated above 1400 in-lbs of torque. Excessive torque can cause cable breakage, resulting in serious injury.
7. When operating the winch, make sure the cable winds evenly on the drum. Do not allow the cable to bunch on one side of the drum or become crisscrossed or tangled. If this happens, wind the affected cable off the drum and re-wrap correctly.
14. Do not leave the material lift unattended with a load attached and elevated. After lifting or lowering a load, remove and secure the object. Do not rely on the winch or lift to hold an object for an extended period of time.
15. If welding near the material lift, do not contact any part of the lift by a live electrode. Do not use this lift as a ground for welding operations. Prevent weld splatter from contacting the lift.
16. When the lift is not in use, lower the mast to the lowest position.

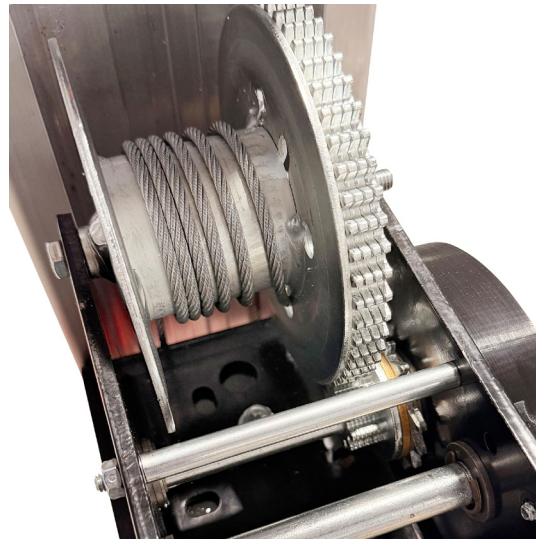
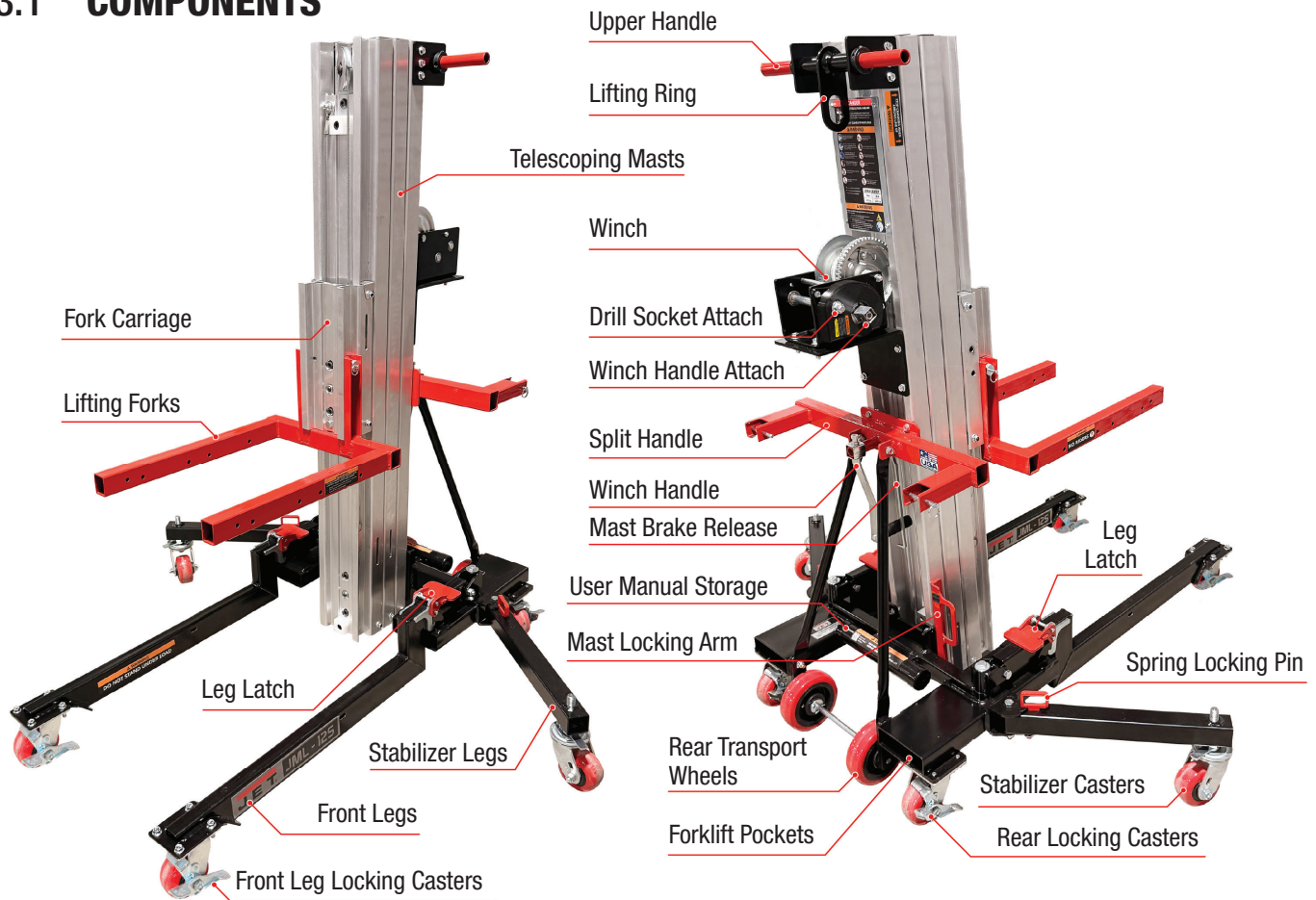


Figure 2-1: Winch with Correct Cable Wind Orientation

3 Product Identification

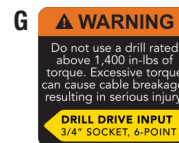
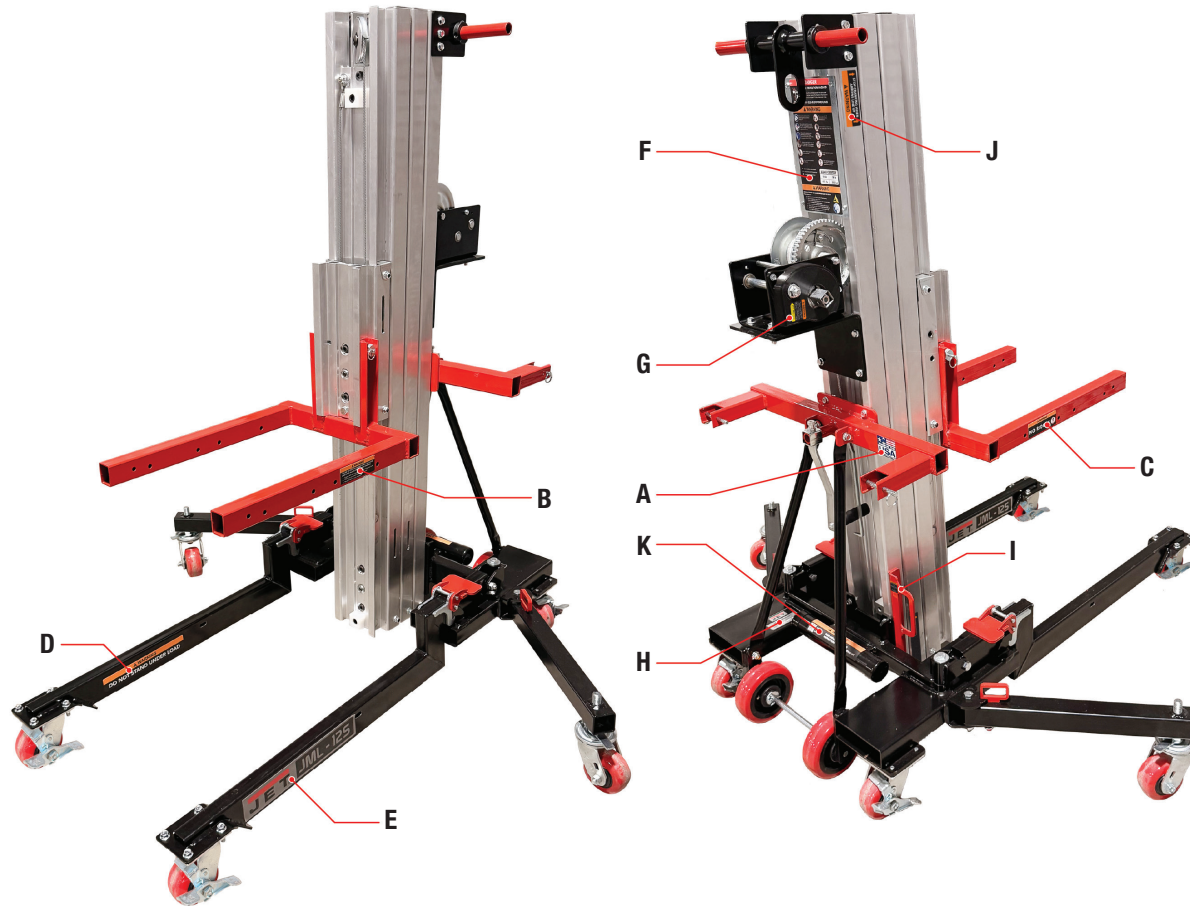
3.1 COMPONENTS



3.2 ACCESSORIES



3.3 WARNING LABEL & DECAL LOCATIONS



4 Specifications

4.1 PRODUCT SPECIFICATIONS

Model Number	JML-16S	JML-12S
Stock Number	JT1-2597	JT1-2598
Lift Height, Maximum		
Forks Mounted Up on Carriage	16 ft., 8 in.	12 ft., 11 in.
Forks Mounted Down on Carriage	15 ft., 3 in.	11 ft., 6 in.
Max Lifting Capacity		
14" Load Center	450 lbs.	450 lbs.
30" Load Center (fork extensions)	200 lbs.	200 lbs.
Unit Height		
Lifting Mode, Masts Retracted	5 ft., 3.25 in.	5 ft., 3.25 in.
Unit Length		
Legs Forward (lift mode)	4 ft., 6.5 in.	4 ft., 6.5 in.
Unit Width		
Lifting Mode (stabilizers out)	5 ft., 1 in.	5 ft., 1 in.
Lifting Forks		
Dimensions (W x L)	19.1 x 23.5 in.	19.1 x 23.5 in.
Weight	300 lbs.	278 lbs.
Winch		
Handle, Cranks per Foot	16 cranks/ft.	16 cranks/ft.
Drill Input, Gear Ratio	24-to-1	24-to-1
Drill Input, Max Speed (no load)	500 RPM	500 RPM
Drill Input, Max Torque	1400 in-lbs	1400 in-lbs
Drill Input, Socket Hex Size (6-point socket)	3/4 in.	3/4 in.
Telescoping Masts	3-Section	2-Section
Stabilizers	Yes	Yes
Forklift Pockets, Internal Dimensions	5.75" x 1.75 in.	5.75" x 1.75 in.
Load Height, Minimum	6.5 in.	6.5 in.

Table 4-1

4.2 PRODUCT DIMENSIONS - STOWED MODES

Model Number	JML-16S	JML-12S
Dimensions, Horizontal Transport Mode		
Height	2 ft., 6.5 in.	2 ft., 6.5 in.
Length	4 ft., 11.5 in.	4 ft., 11.5 in.
Width	2 ft., 7.7 in.	2 ft., 7.7 in.
Ground Clearance	2 in.	2 in.
Dimensions, Vertical Storage Mode		
Height	5 ft., 3.25 in.	5 ft., 3.25 in.
Length	2 ft., 6.6 in.	2 ft., 6.6 in.
Width	2 ft., 7.7 in.	2 ft., 7.7 in.
Ground Clearance	2.72 in.	2.72 in.

Table 4-2

4.3 LOAD RATINGS AND PLACEMENT

WARNING

Do not exceed the rated load capacity of the material lift. Follow the load rating requirements as outlined in the information below. Failure to do so could result in the material lift tipping over or structural failure, causing the load and material lift to fall. Serious injury or death could occur.

WARNING

Safely place a load on the material lift forks.

- Make sure the load center of gravity is centered between the lifting fork arms.
- Place the load center of gravity as close to the carriage as possible.
- Place the load center of gravity within the maximum placement range as shown in Figure 4-1.
- Ensure the load is balanced and stable on the lifting forks.
- Secure the load to the lifting forks.

Failure to do so could result in the material lift tipping over, causing the load and material lift to fall. Serious injury or death could occur.

The load ratings for each material lift are on a moving scale determined by the load weight and the load placement on the fork. When the load center of gravity is farther away from the back of the forks, the load rating decreases. See *Section 4.3.1 Maximum Load Capacities at Positions*.

Make sure the load center of gravity (COG) is centered between the lifting fork arms. The maximum distance for the load COG from the front of the carriage is 21-inches. For distances greater than 21-inches, you must use the JET fork extensions accessory. The maximum load COG distance using the JET fork extensions is 30-inches. See Figure 4-1.

The chart in Table 4-3 shows maximum load capacities with the load center of gravity at various distances.

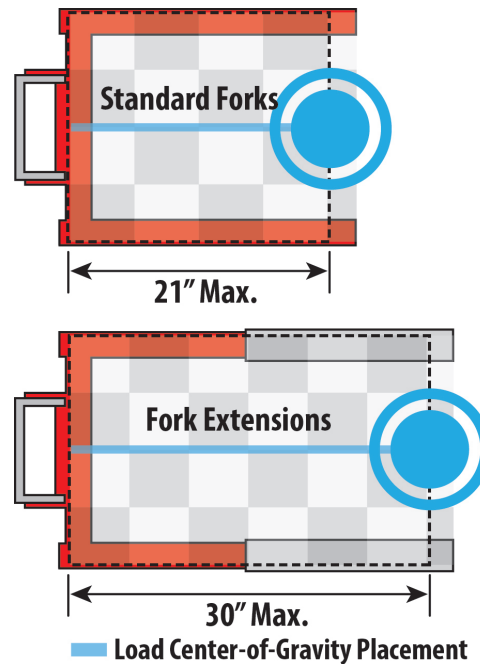


Figure 4-1: Center of Gravity Load Placement Zone

Before placing a load on the material lift forks, it is important to follow these rules:

- Determine the total weight of the load.
- Determine the center of gravity. The load center of gravity (COG) may not be the physical center of the load. You must center the load COG between the two forks and as close to the carriage as possible.

When placing a load on the material lift forks, it is important to follow these rules:

- Center the load center of gravity between the lifting fork arms as shown in Figure 4-1.
- Place the load center of gravity as close to the carriage as possible and within the load placement zone as shown in Figure 4-1.
- Keep the load center of gravity within the maximum placement range as shown in Figure 4-1.
- Ensure the load is balanced and stable on the lifting forks.
- Secure the load to the lifting forks.

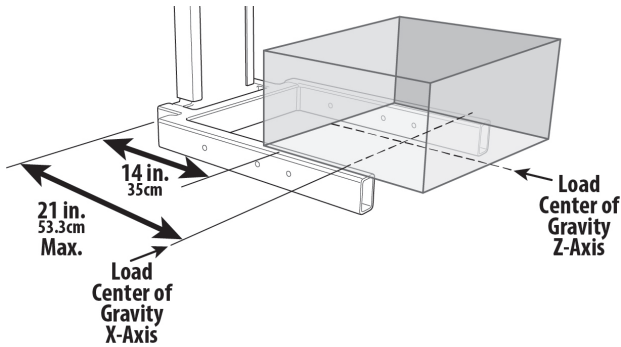


Figure 4-2: Center of Gravity Load Placement - Standard Forks

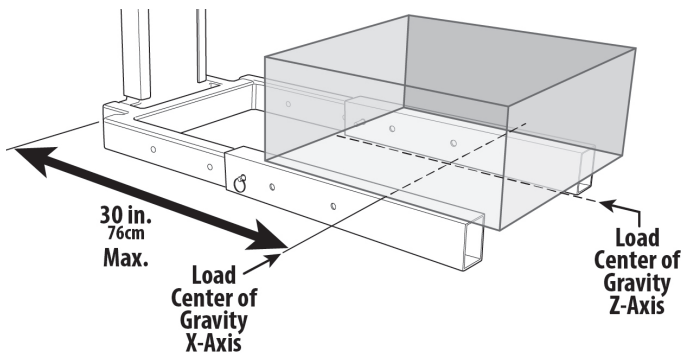


Figure 4-3: Center of Gravity Load Placement - Fork Extensions

4.3.1 Maximum Load Capacities at Positions

The chart below shows maximum load capacities with the load center of gravity at various distances. When the distance from the fork carriage to the load center increases, the maximum load rating decreases.

NOTE: Load center distances of 22" through 30" requires the use of fork extensions. Only use JET fork extensions. See *Section 6.7 ACCESSORIES*.

Maximum Load Ratings		
Model	Load Center	
	14 in. 35cm	30 in. 76cm
JML-12S	450 lb.	200 lb.
JML-16S	450 lb.	200 lb.

Table 4-3

5 Unpacking & Assembly

⚠ WARNING

The material lift is very heavy. Unpack this machine on a stable and level surface. Use caution when removing lift from shipping pallet. Use a forklift or overhead lifting system to remove the lift from the pallet.

Your material lift is shipped complete. Check each item carefully. Report any damage immediately to your distributor and shipping agent. Do not discard any shipping material until the material lift is assembled and operating properly. Read this entire instruction manual thoroughly for safety information and assembly, operation, and maintenance instructions.

Follow the steps below to unpack from shipping pallet.

1. Cut away all protective plastic wrapping.
2. Cut the steel mounting straps that hold the lift to the shipping pallet. Carefully remove the lift from the pallet and set on a solid, level surface.

NOTE: The material lift has forklift pockets in the base tubing. This allows for lifting and moving the material lift using a forklift. There is also a lifting eye at the top that may be used with an overhead lifting system.

If using a forklift, follow the instructions in *Section 7.3 LIFTING AND MOVING MATERIAL LIFT WITH FORKLIFT*.

⚠ WARNING

CHECK FOR MISSING PARTS: If any parts are missing, do not place the machine into service until the missing parts are obtained and installed correctly.

5.1 SHIPPING CONTENTS

- 1 Material Lift
- 1 Lifting Fork
- 1 Owner's Manual
- 1 Product Registration Card
- 1 Mast Brake Release Tool
- 1 3/4-Inch, 6-Point Socket
- 1 Winch Handle

5.2 ATTACHING LIFTING FORK ASSEMBLY

The lifting fork assembly attaches to the fork carriage located on the front telescoping mast. The lifting fork has a vertical mounting frame that slides into channels on both side of the fork carriage. Follow the steps below to attach lifting fork assembly.

1. Attach winch handle or power drill to the winch (see *Section 6.3 WINCH OPERATION* for important safety information, including selecting an appropriate drill for this operation). Raise the fork carriage to the upper portion of the front telescoping mast.
2. From the bottom, slide the fork's vertical mounting frame up and into mounting channels on both sides of the fork carriage. You will need to pull out the spring-loaded plunger pins on both sides of the fork mounting frame.
3. Raise the lifting fork assembly to the mounting holes in the mounting channels. The spring-loaded plunger pins will snap into the mounting holes, locking the fork assembly to the carriage.
4. To remove the lifting fork, reverse the steps above.

⚠ WARNING

Make sure both spring-loaded plunger pins snap into place in the carriage mounting channel mounting holes before using lift. This locks the fork assembly to the carriage.

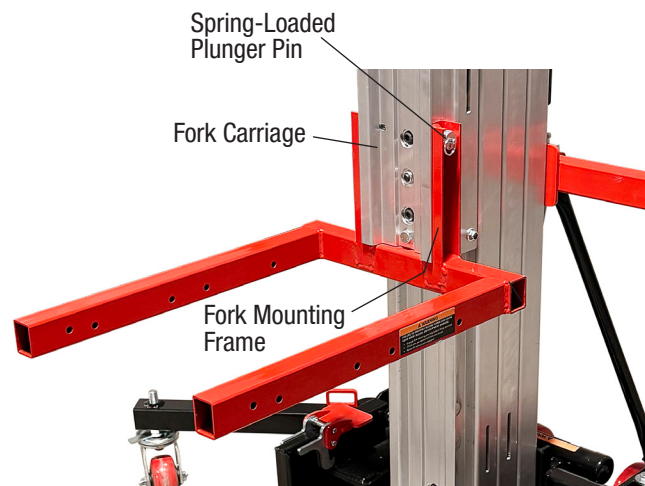


Figure 5-1: Attaching Lifting Fork Assembly

6 Lifting Operation

WARNING

Read and understand this entire owner's manual before operating this material lift. Failure to comply with instructions and safety warnings in this manual and on the lift may cause serious injury.

WARNING

This material lift is designed and intended for use by properly trained and experienced personnel only. Learn how to operate this lift properly and safely. If you are not familiar with the proper and safe operation of this lift, do not use it. Follow proper and safe lifting practices.

WARNING

Properly prepare the material lift before placing a load on the lifting forks.

- Extend and lock the stabilizers.
- Adjust height of stabilizer wheels to make full contact with the floor.
- Lock the rear and front leg locking casters.
- Ensure the leg latches are locked.

WARNING

Do not overload the lift. Follow the load ratings specified in *Section 4.3 LOAD RATINGS AND PLACEMENT*.

WARNING

Do not use this material lift to lift, lower, support, or transport people. Do not lift or support loads over the top of people. Never allow anyone under the lifting forks or an elevated load.

WARNING

Always operate this material lift while standing to the rear of the lift, behind the mast. Wear proper safety gear such as hard hat, safety glasses, steel-toe shoes, and gloves.

WARNING

Do not move the material lift to different locations while a load is attached. Have material at the lift location before adding load.

6.1 PRE-OPERATION INSPECTION

Before each use, inspect the material lift for defects, damage, modifications, and loose or missing parts. Follow the checklist below when inspecting the lift. If any of these issues exist, repair or correct before operating lift.

- Rust or corrosion
- Damage or cracks in weld joints
- Bent, broken, or missing components
- Fasteners (nuts, bolts, and screws) secure
- Lifting fork and mounting pin secure
- Masts and pulleys operate smoothly and properly
- Cable and cable anchors (no kinks, untwisting, or broken strands)
- Legs and stabilizers are not damaged and are properly latched and aligned (locking pins and leg latch locking clasp/hooks engaged)
- Casters and caster locks operate properly
- Winch clicks when raising carriage (ratchet pawls are properly engaging)
- Minimum of five cable-wraps around drum when carriage is fully lowered
- Accessories are secure (fork extensions, pipe cradles, if installed)

6.2 PREPARING MATERIAL LIFT

Before lifting any materials, the material lift must be in the vertical, lifting position, the front legs must be in their proper position and locked, the stabilizers must be rotated outward and locked into place, and all casters must make full contact with the ground.

6.2.1 Preparing Material Lift from Vertical Storage Mode

The front legs are in the vertical position for shipping or storage. Before using the lift, the legs must be lowered into place and the stabilizers must be set.

1. Remove the leg storage pins that attach the front legs to the split handle while in the vertical storage mode (see Figure 6-1).
2. Carefully pivot (1A) and lower (1B) the legs to the lifting (down) position. The caster wheels should touch the floor. The leg tubing must be placed between the leg latch hooks (see Figure 6-2).



Figure 6-1: Remove Leg Storage Pins

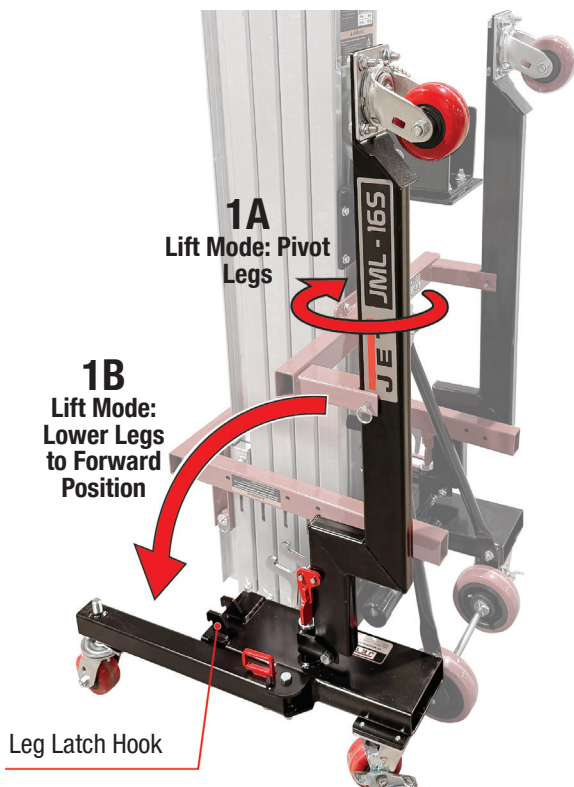


Figure 6-2: Positioning Legs to Forward Position

3. When each leg is fully lowered, press the silver hook arms down to position the silver hooks with the leg latch hooks. Lock legs in place by pressing down the red leg latch locking lever until it fully engages the latch hooks and the lever lays flat against the leg tube (see Figure 6-3).

NOTE: If the leg latches will not engage, the leg may not be aligning properly with the base frame due to an uneven floor. Adjust the stabilizer casters up or down to take pressure off the latch mechanism and bring the legs in alignment with the base. The leg latch will engage when proper alignment is achieved.

4. Unlock stabilizer legs by pulling up the spring locking pins. Rotate each stabilizer leg to the wide-stance stabilizing locking position. Spring locking pin will snap into place to lock stabilizing leg into this position (see Figure 6-4).
5. Make sure all casters make full contact with the ground. The stabilizer casters have threaded stems with height adjusting handles (see Figure 6-4). Adjust stabilizer height to make full contact with the floor. See *Section 6.5.2 Stabilizer Casters*.



Figure 6-3: Locking Legs In Place

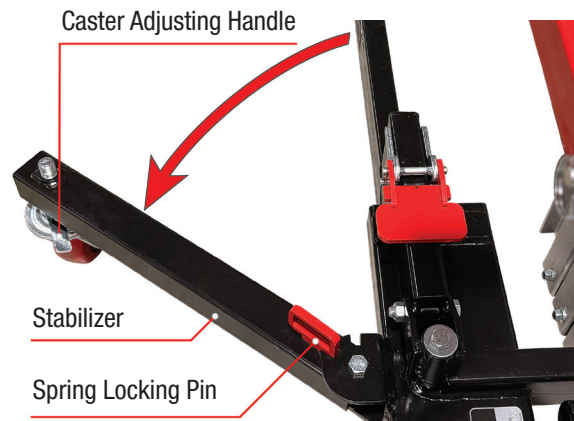


Figure 6-4: Setting Stabilizer Legs

6.2.2 Preparing Material Lift from Horizontal Transport Mode

Raising Material Lift to Vertical, Lifting Position

WARNING

The material lift is heavy. Use proper lifting practices or multiple people to lift or lower the material lift to-or-from the horizontal transport mode.

1. Position yourself at the end of the mast assembly. Bending at the knees, reach down and grasp the upper handle. Lifting with your legs and pivoting the lift on the rear transport wheels, raise the material lift to the vertical position (see Figure 6-5). Do not release the material lift until all four wheels are on the floor.
2. Unlock stabilizer legs by pulling up the spring locking pins. Rotate each stabilizer leg to the wide-stance stabilizing locking position. Spring locking pin will snap into place to lock stabilizing leg into this position (see Figure 6-6).
3. Slightly lower the lifting fork carriage to relieve pressure on the mast locking arm pin. Remove the mast locking arm from the fork carriage by pulling the arm out from its mounting point (1) and rotating it to the rear of the mast (2). Seat the mast locking arm pin into the mounting hole (A) on the rear mast. See Figure 6-7.
4. Make sure all casters make full contact with the ground. The stabilizer casters have threaded stems with height adjusting handles (see Figure 6-6). Adjust stabilizer height to make full contact with the floor. See *Section 6.5.2 Stabilizer Casters*.

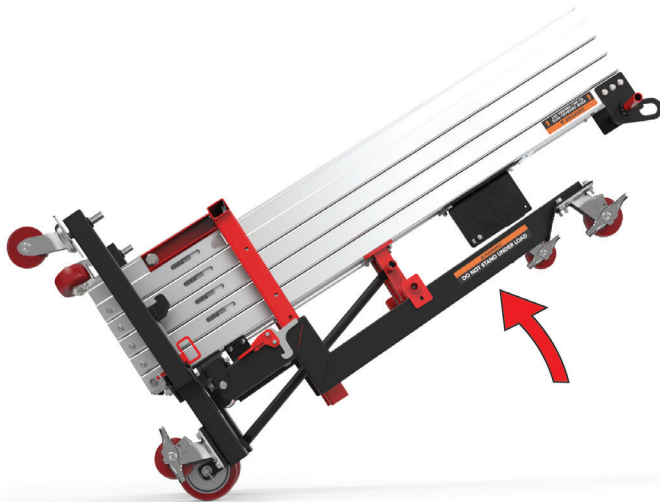


Figure 6-5: Lifting Material Lift to Vertical Position

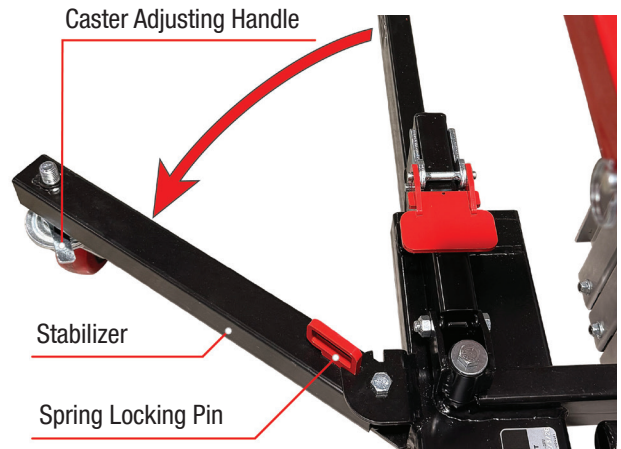


Figure 6-6: Setting Stabilizer Legs

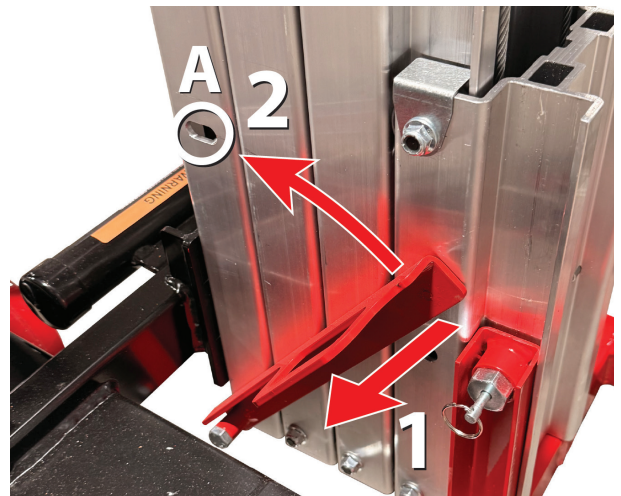


Figure 6-7: Mast Lock Arm

Positioning Front Legs for Lift Mode

For lifting functions, you must move and lock the front legs to the down position. Follow the steps below to position the front legs for Lift Mode. For lifting instructions, see *Section 6.4 LIFT MODE*.

1. Remove the leg storage pins that attach the front legs to the split handle (see Figure 6-8).
2. Carefully pivot (1A) and lower each leg (1B) to the lifting (down) position. The caster wheels should touch the floor. The leg tubing must be placed between the leg latch hooks (see Figure 6-9).

3. When each leg is fully lowered, press the silver hook arms down to position the silver hooks with the leg latch hooks. Lock legs in place by pressing down the red leg latch locking lever until it fully engages the latch hooks and the lever lays flat against the leg tube (see Figure 6-10).

NOTE: If the leg latches will not engage, the leg may not be aligning properly with the base frame due to an uneven floor. Adjust the stabilizer casters up or down to take pressure off the latch mechanism and bring the legs in alignment with the base. The leg latch will engage when proper alignment is achieved.

4. Make sure all casters make full contact with the ground. The stabilizer casters have threaded stems with height adjusting handles. Adjust stabilizer height to make full contact with the floor. See *Section 6.5.2 Stabilizer Casters*.

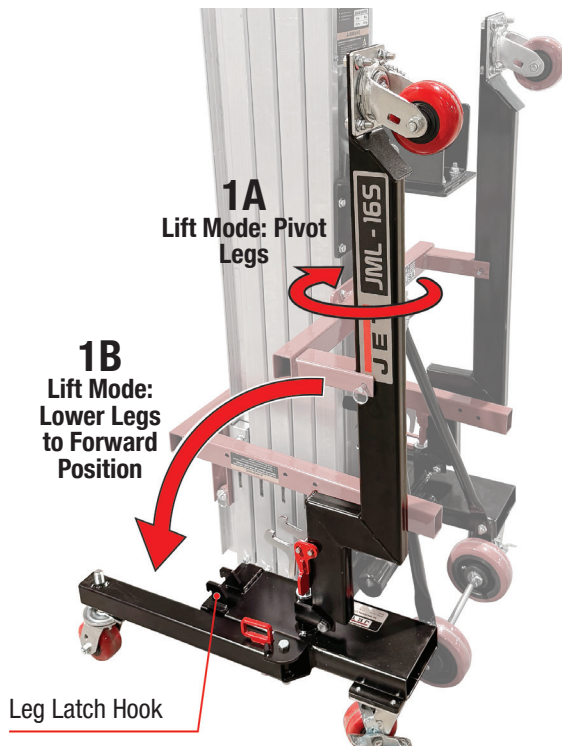


Figure 6-9: Positioning Legs to Forward Position



Figure 6-8: Remove Leg Storage Pins



Figure 6-10: Locking Legs In Place

6.3 WINCH OPERATION

WARNING

Do not use a drill rated above 1400 in-lbs of torque. Excessive torque can cause cable breakage, resulting in serious injury.

The winch can be operated with either the included winch handle or a cordless drill with the included 3/4-inch, 6-point socket.

Cordless Drill:

Refer to Figure 6-11

Using a cordless drill to raise and lower the load helps improve lift safety and eliminates fatigue. If previously attached, remove the winch handle. Attach the included 3/4-inch, 6-point socket to a cordless drill. Connect the socket/drill onto the winch socket connection nut. **NOTE:** Do not use a 12-point socket as this may cause wear to the socket connection nut.

Do not use an impact driver. Do not use a drill rated higher than 1400 in-lbs. Use a drill with a variable-speed trigger to “soft” start the load for better control. Do not exceed 500 RPM. For most drills, this corresponds with speed-setting 1. Verify the correct setting for the cordless drill you use.

When lifting or lowering a load, before releasing the trigger, confirm that the winch brake is holding the load in place.

IMPORTANT: When lowering a load, maintain a low descending speed to reduce heat buildup on the winch brake.

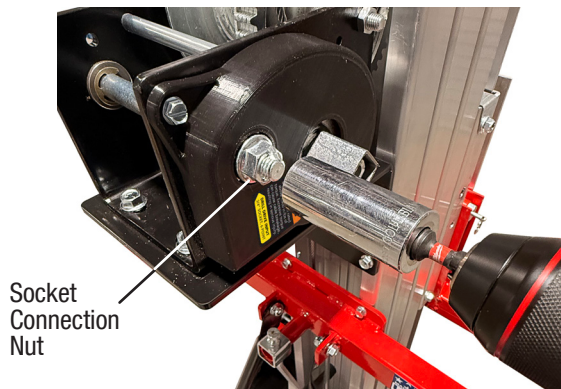


Figure 6-11 Cordless Drill Winch Operation

Winch Handle:

Refer to Figure 6-12

The winch handle is included with the material lift. To mount, pull up the handle's spring plunger, slide mounting fixture over the winch drive spindle. Align the spring plunger with the

plunger mounting hole on the drive spindle and release the spring plunger. Make sure the plunger seats in the mounting hole. When not used, the handle can be stored on the lower T-handle, as shown in *Section 3 PRODUCT IDENTIFICATION*.

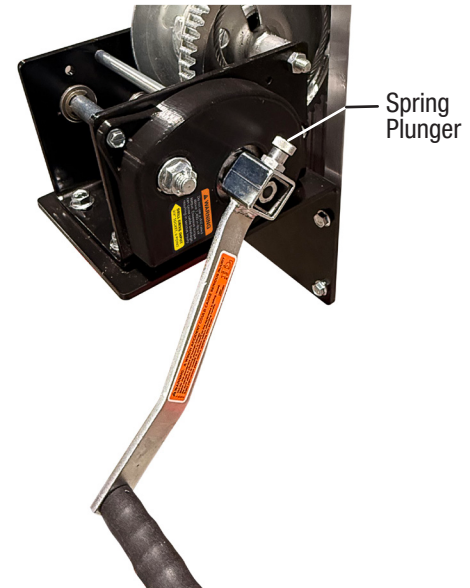


Figure 6-12: Attaching Winch Handle

6.4 LIFT MODE

WARNING

Do not overload the lift. Make sure the load is balanced on the lifting forks. Follow the load ratings and load placement specifications found in *Section 4.3 LOAD RATINGS AND PLACEMENT*.

In Lift Mode, the front legs are locked in the lifting (down) position and the stabilizer legs are locked in the wide-stance stabilizing position. Before attempting to use the lift in Lift Mode, be sure the lift is properly setup. See *Section 6.2 PREPARING MATERIAL LIFT* to properly and safely configure the lift for Lift Mode.

Follow the steps below to safely operate the material lift in lift mode.

1. Follow all load rating and load placement specifications found in *Section 4.3 LOAD RATINGS AND PLACEMENT*.
2. Move material lift to the location for lifting.
3. Make sure all casters make full contact with the ground. The stabilizer casters have threaded stems with height adjusting handles. Adjust stabilizer height to make full contact with the floor. See *Section 6.5.2 Stabilizer Casters*.

4. Using winch, adjust the position of the lifting forks in preparation for loading. The winch can be operated with either the included winch handle or a cordless drill with the included 3/4-inch, 6-point socket. To operate winch, see *Section 6.3 WINCH OPERATION for important safety information, including selecting an appropriate drill for this operation.*
5. Place the load onto the lifting forks and secure the load.
6. Adjust material lift position in preparation for lifting.
7. Lock the rear caster wheels to stabilize lift movement. See *Section 6.5 CASTERS.*
8. Lift the load to desired height using the winch.

6.5 CASTERS

6.5.1 Rear and Front Leg Locking Casters

Locking / Unlocking Caster Roll

The caster roll locking lever is located on the side of each caster (see Figure 6-13).

1. To lock the caster roll, press the ON side of the locking lever.
2. To unlock the caster roll, press the OFF side of the locking lever.

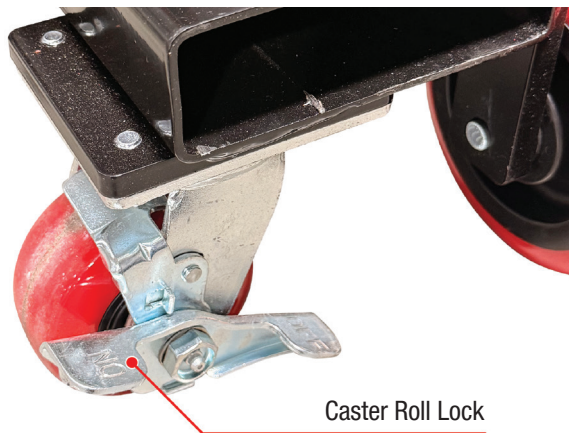


Figure 6-13: Locking Caster

6.5.2 Stabilizer Casters

The stabilizer casters have height adjustment. Adjusting the caster height is essential and ensures all casters make contact with the ground. This provides the greatest stability for the material lift.

Adjusting Height of Stabilizer Casters

Turn the caster adjusting handle to either raise or lower the caster height. See Figure 6-14.

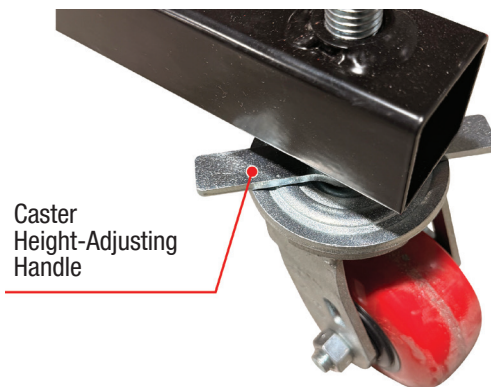


Figure 6-14: Adjusting Height of Stabilizer Casters

6.6 MAST SAFETY BRAKE SYSTEM

This material lift is equipped with a mast brake system. This safety feature activates if the mast sections drops too quickly.

If the mast brake activates, follow the information below.

Inspect the Lift Cable

Inspect the lift cable for any malfunction or break. If the lift cable is damaged or broken, remove the lift from service and replace the cable immediately.

Mast Brake Release Method 1

If the lift cable is not damaged or broken, follow the steps below.

1. Using the winch, raise the carriage at least 6-inches. This should release the mast brake and allow the carriage to move freely using the winch.
2. If this method does not release the mast brake, follow the instructions in Method 2.

⚠ WARNING

Before using the mast brake release hook, you must support the bottom of the affected mast(s) to prevent free falling when the mast brake is released. Make sure there is tension on the cable and position a sturdy support block beneath the mast(s).

Mast Brake Release Method 2

Each mast segment, including the fork carriage, has a brake system. You can release the mast brake using the mast brake release hook (Figure 6-15), supplied with the lift.

1. Support the bottom of the affected mast(s) by making sure there is tension on the cable and positioning a sturdy support block beneath the mast(s).
2. Locate the mast brake access slot on the side of the affected mast (see Figure 6-16). When the brake is activated, the mast brake roller will be near the top of the slot.
3. Insert the end of the mast brake release hook into the mast brake access slot and above the mast brake roller. Firmly pull down on the mast brake roller to release the brake.

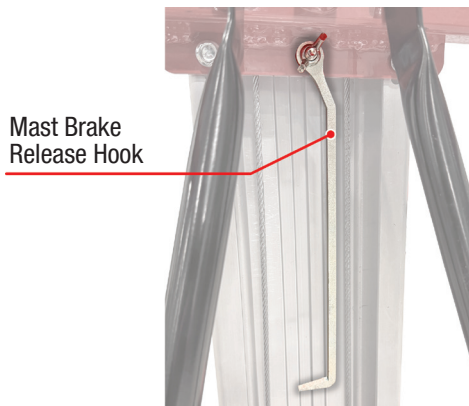


Figure 6-15: Mast Brake Release Hook



Figure 6-16: Mast Brake Roller Location

6.7 ACCESSORIES

The use of these optional accessories expands the use of your JET material lift. To order accessories, contact JET Customer Service at 800-274-6848.

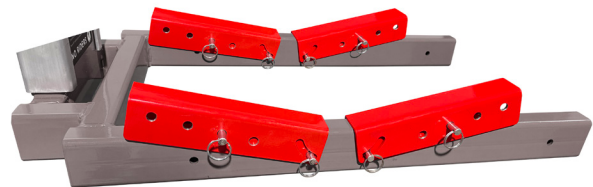
JML-FES - Fork Extensions Stock# JT1-3013

The JET fork extensions accessory increases the total length of the lifting forks. See *Section 4.3 LOAD RATINGS AND PLACEMENT* for proper load placement requirements.



JML-APC - Adjustable Pipe Cradle Stock# JT1-2596

The JET adjustable pipe cradle accessory provides added security when lifting pipes or other rounded items.



7 Storage & Transport

7.1 PLACING LIFT IN VERTICAL STORAGE MODE

WARNING

Engage mast locking arm before transporting material lift. Failure to do so may cause the mast sections to extend, causing serious injury and damage to the lift or surrounding property.

7.1.1 Preparing Material Lift from Lift Mode

1. Remove the lifting fork from the carriage and reverse its position and reattach to the carriage from the top, as shown in Figure 7-6.
2. Lower lift forks to the lowest position.
3. Unlock stabilizer legs by pulling up the spring locking pins. Rotate each stabilizer leg from the wide-stance stabilizing position to the closed (front) position (parallel to the lifting forks). Spring locking pin will snap into place to lock stabilizing leg in this position (see Figure 7-1).
4. Unlock each front leg by lifting the red leg latch locking lever and the silver hook arms to disengage from the leg latch hooks (see Figure 7-2).
5. Carefully lift each leg to the vertical position (1A) and pivot each leg 180-degrees (1B) (see Figure 7-3).
6. Place each leg between the leg mounting plates on the split handle. Align the pin mounting holes in plates and legs and insert mounting pin, as shown in Figure 7-4.

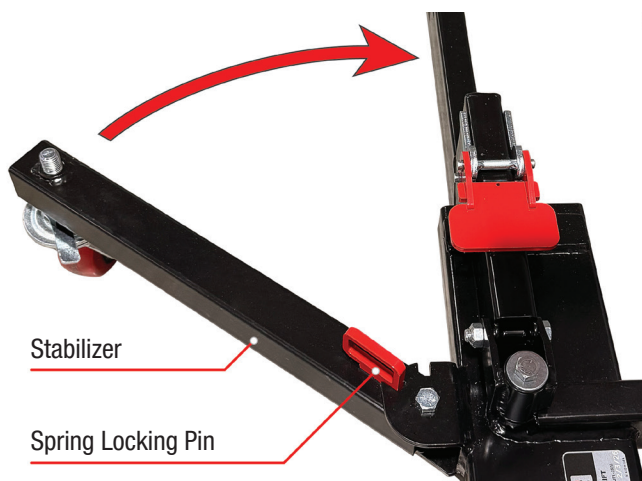


Figure 7-1: Storing Stabilizer Legs

7. Engage the mast locking arm. To do so, pull arm outward from its position at the rear of the mast. Rotate the arm forward and seat the mast locking arm pin into the carriage mounting hole. For model JML-12S, seat in hole A. For model JML-16S, seat in hole B. See Figure 7-5. Use the winch to raise the fork carriage just enough to put slight pressure on mast locking arm pin.

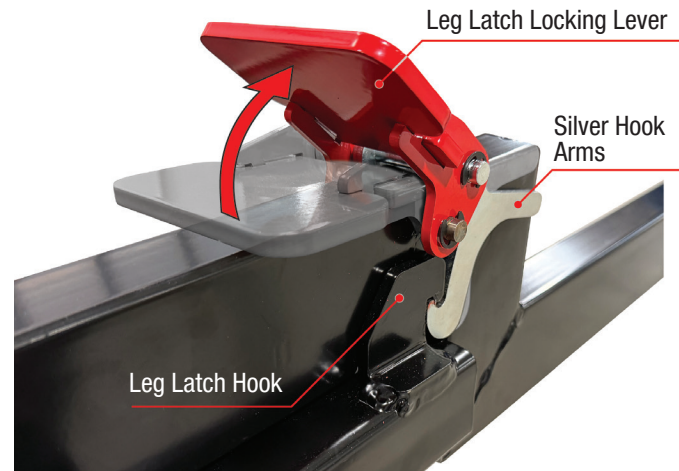


Figure 7-2: Unlocking Legs

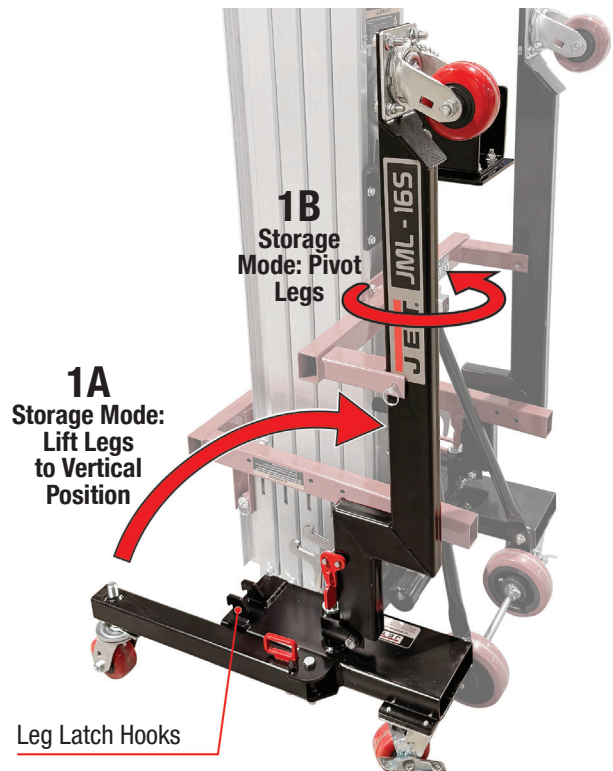


Figure 7-3: Positioning Legs to Vertical Position



Figure 7-4: Attaching Leg Storage Pins



Figure 7-5: Engaging Mast Locking Arm



Figure 7-6: Material Lift in Vertical Storage Mode

7.2 PLACING LIFT IN HORIZONTAL TRANSPORT MODE

WARNING

The material lift is heavy. Use proper lifting practices and multiple people to lift or lower the material lift to-or-from the horizontal transport mode.

WARNING

Engage mast locking arm before transporting material lift. Failure to do so may cause the mast sections to extend, causing serious injury and damage to the lift or surrounding property.



Figure 7-8: Material Lift in Horizontal Transport Mode

7.2.1 Preparing Material Lift from Lift Mode

1. Follow the instructions in *Section 7.1 PLACING LIFT IN VERTICAL STORAGE MODE*.
2. Position yourself behind the mast.
3. Grasp the upper handle with both hands and place a foot on the base to prevent it from rolling backwards. Pull back on the upper handle, pivoting the material lift on the rear transport wheels (see Figure 7-7).
4. Carefully lower the material lift until the front leg locking casters touch the floor.



Figure 7-7: Lowering Material Lift

7.3 LIFTING AND MOVING MATERIAL LIFT WITH FORKLIFT

WARNING

Do not use a forklift to raise an operating material lift to gain additional load height.

Only use a forklift to move this material lift after it has been converted to vertical storage mode. Do not lift and move this material lift if it is in horizontal transport mode. See *Section 7.1 PLACING LIFT IN VERTICAL STORAGE MODE*.

Engage mast locking arm before transporting material lift. Failure to do so may cause the mast sections to extend, causing serious injury and damage to the lift or surrounding property.

WARNING

Use a proper and appropriately-rated forklift when lifting and move the material lift.

The material lift has forklift pockets in the base tubing. This allows for moving the material lift using a forklift.

IMPORTANT: Only use a forklift to move this material lift after it has been converted to vertical storage mode. Do not lift and move this material lift if it is in horizontal transport mode.

1. Lower the mast to the lowest position
2. Widen or narrow the forklift forks to match the forklift pockets in the base tubing.

- Carefully insert the forklift forks into the pockets. Make sure the forklift forks fully support the entire base pockets.
- Lift and carry the material lift to the desired location.

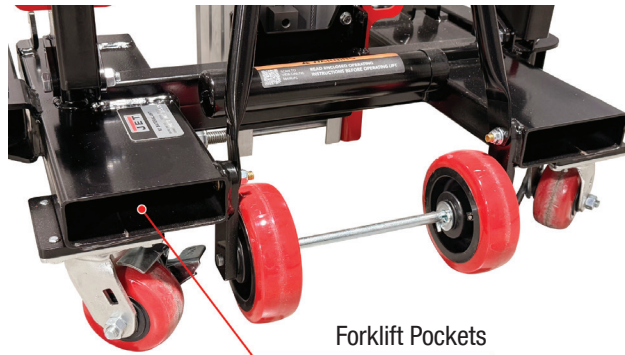


Figure 7-9: Base Forklift Pockets

7.4 LOADING MATERIAL LIFT INTO TRUCK OR TRAILER

WARNING

The material lift is heavy. Use proper lifting practices and multiple people when lifting and positioning into a truck or trailer.

The material lift can be transported with a truck or trailer. Follow the information below to safely transport the material lift.

You must remove the lifting forks from the fork carriage. See *Section 5.2 ATTACHING LIFTING FORK ASSEMBLY*.

7.4.1 Loading Material Lift with Forklift

IMPORTANT: Only use a forklift to move this material lift after it has been converted to vertical storage mode.

- Follow the information in *Section 7.3 LIFTING AND MOVING MATERIAL LIFT WITH FORKLIFT*.
- Carefully position the material lift in truck or trailer and remove the forklift. You can either leave the lift in vertical storage mode or lower the lift to horizontal transport mode. Make sure all casters are securely positioned on the truck or trailer bed.
- If the lift is in the vertical storage mode, lock the rear locking casters.
- Securely strap down the material lift to keep it firmly in place. Make sure the lift will not roll or shift while in transit.

7.4.2 Loading Material Lift Manually

- With the lift in the vertical storage mode, position the material lift behind the truck or trailer with the rear of lift facing the truck or trailer.
- Position yourself behind the mast.
- Grasp the upper handle with both hands and place a foot on the base to prevent it from rolling backwards. Pull back on the upper handle, pivoting the material lift on the rear transport wheels.
- Carefully lower the material lift until the front leg locking casters touch the bed of truck or trailer.
- Move to the base end of the material lift and raise the lift, pivoting the lift weight on the front leg locking casters. Push and position the material lift onto the truck or trailer bed. You can either leave the lift in horizontal transport mode or raise the lift to vertical storage mode. Make sure all casters are securely positioned on the truck or trailer bed.
- If the lift is in the vertical storage mode, lock the rear locking casters. If the lift is in the horizontal transport mode, lock the front leg locking casters.
- Securely strap down the material lift to keep it firmly in place. Make sure the lift will not roll or shift while in transit.

8 Maintenance



WARNING

Maintenance should be performed on a regular basis by qualified personnel. Always follow proper safety precautions when working on or around any machinery.

NOTICE

Proper maintenance can increase the life expectancy of your machine.

To help detect maintenance issues, inspect the material lift daily, following the checklist below. If any of these issues exist, repair or correct before operating lift.

- Rust or corrosion
- Damage or cracks in weld joints
- Bent, broken, or missing components
- Fasteners (nuts, bolts, and screws) secure
- Lifting fork and mounting pin secure
- Masts and pulleys operate smoothly and properly
- Cable and cable anchors (no kinks, untwisting, or broken strands)
- Legs and stabilizers are not damaged and are properly latched and aligned (locking pins and leg latch locking clasp/hooks engaged)
- Casters and caster locks operate properly
- Winch clicks when raising carriage (ratchet pawls are properly engaging)
- Minimum of five cable-wraps around drum when carriage is fully lowered
- Accessories are secure (fork extensions, pipe cradles, if installed)

8.1 GENERAL MAINTENANCE

Follow the schedules below to ensure the material lift operates safely and properly and provides maximum life to parts and assemblies.

8.1.1 Before Each Use

1. Inspect cable and cable anchors for damage including kinks, cable strands untwisting (see Figure 8-1), and broken wire strands. Replace the cable if the cable is kinked, untwisting, or more than three wire strands are broken. Do not use the lift until the cable is replaced. To replace the cable, refer to *Section 4.1 CABLE REPLACEMENT* of the material lift Service Manual. See *Section 9.1 SERVICE MANUAL* for QR code download link.

IMPORTANT: For all cable use and maintenance, follow the guidelines under OSHA Standard 1926.1413.

2. Make sure front legs and stabilizing legs are not damaged and properly locked into place. If damaged, replace before operating lift.
3. Check for bent, broken, or missing components. Do not use until damaged or missing components have been replaced.

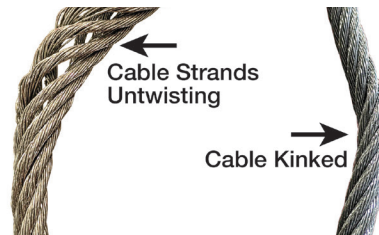


Figure 8-1: Cable Strands Untwisting and Cable Kinked

8.1.2 Winch Maintenance

To ensure maximum winch performance, inspect periodically. Check monthly and more frequently if winch is exposed to wet or dirty environments.

1. Clean the winch after each use. Remove any dirt on the winch surface.
2. Ensure the winch clicks when raising the carriage. This indicates the ratchet pawls are properly engaging and the winch brake mechanism is working.
3. Annually, or more often if needed, apply a consistent layer of PC Peerless OG2 grease to the gear teeth of the winch reel gear, outer drive gear, and input shaft gear (see Figure 8-2). **IMPORTANT:** If you are consistently operating the lift at or near maximum capacities, apply grease to winch gears more often. Keeping the winch gear properly greased will prolong the life of the winch.
4. Apply a light, even coat of mineral oil (3-in-1 oil or equivalent) to the winch drum shaft, outer drive gear shaft, and input shaft to ensure smooth rotation and prevent corrosion (see Figure 8-3).
5. If winch is used in freezing, icy conditions, apply silicone spray to the ratchet pawl and pawl spacers and washer. Do not spray other brake mechanism parts.
6. Do not oil or grease the brake mechanism.

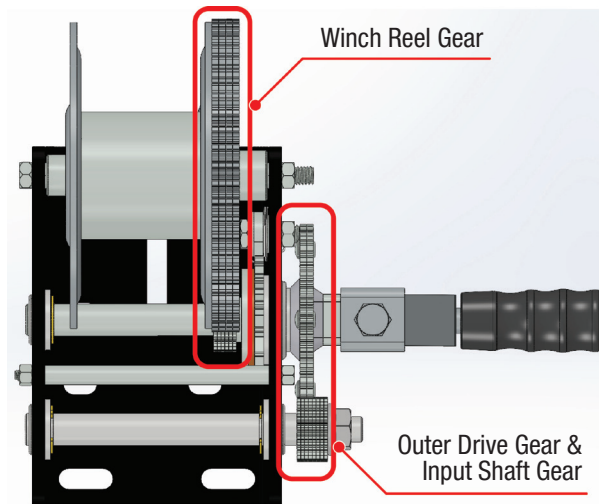


Figure 8-2: Grease Application

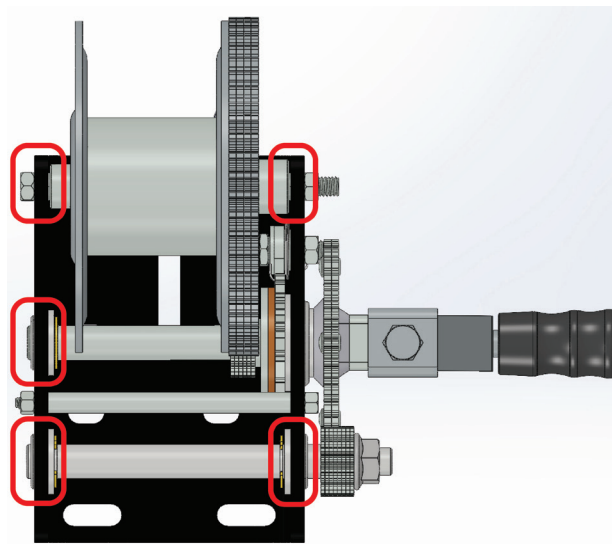


Figure 8-3: Mineral Oil Application Points

8.1.3 Every Six Months

1. Clean pivot points and moving parts.
2. Inspect all nuts, bolts, and screws to make sure they are tight.
3. Inspect the base and legs assembly. Make sure the base and legs are free from damage that could affect the operation, strength, and integrity of the lift.
4. Make sure cable is properly seated and aligned in all pulleys.

5. Inspect pulley enclosures for damage that can affect the pulley operation. Make sure pulleys can rotate freely. If pulley enclosures are damaged and contact the pulleys or cables, replace the affected mast section.
6. Inspect all cable pulley assemblies for damage. Make sure pulleys rotate smoothly. If cable pulley assemblies are damaged, replace. See *Section 4.2 CABLE PULLEY REPLACEMENT* of the material lift Service Manual. See *Section 9.1 SERVICE MANUAL* for QR code download link.
7. Inspect mast braking system. Using the winch and starting with the carriage, raise mast section a minimum of 6-inches from its lowest position. Support the raised mast section using a block with a rope or chain attached to the bottom. Unwind the winch to provide enough slack to allow the mast section to free-fall. Quickly pull the support block from under the mast section. The mast brake should engage before the mast section falls to the bottom stop. Using winch, raise the mast section to release the mast brake, then lower mast section to the lowest position. Repeat for each mast section.
8. Inspect casters and caster locks for proper operation.
9. Perform non-load functional test by fully raising and lowering the mast sections.
10. Inspect all labels/decals for visibility, damage, and adhesion. Replace if needed.

8.1.4 Annually

1. Disassemble and inspect cable pulley assemblies, slide blocks, and cable anchors. Refer to the material lift Service Manual for instructions. See *Section 9.1 SERVICE MANUAL* for QR code download link.
2. Clean and lubricate mast sections and winch gears. See *Section 8.1.2 Winch Maintenance*.
3. Using the provided zerk fittings, grease the caster wheels. Use a thick marine-grade CS grease, such as Peerless OG2 or Mobile Centaur XHP 460, or equivalent.
4. Annually, or more often if needed, apply a consistent layer of PC Peerless OG2 grease to the gear teeth of the winch reel gear, outer drive gear, and input shaft gear (see Figure 8-2). **IMPORTANT:** If you are consistently operating the lift at or near maximum capacities, apply grease to winch gears more often. Keeping the winch gear properly greased will prolong the life of the winch.

9 Troubleshooting

For additional help with troubleshooting, call our customer support department at 800-274-6848.

PROBLEM	CAUSE	SOLUTION
Mast section do not raise/lower in sequence.	Load exceeds maximum load capacity. Load is not properly centered. Mast roller not rotating. Cable pulley not rotating. Cable is damaged. Mast roller wheels are not rotating. Damaged mast section.	Remove excess weight from load. See <i>Section 4.3 LOAD RATINGS AND PLACEMENT</i>. Center the load center of gravity between the lifting forks. See <i>Section 4.3 LOAD RATINGS AND PLACEMENT</i>. Inspect for dirt, grease, or foreign objects. Clean mast sections with degreaser or brake cleaner. Inspect for damage. Replace pulley if damaged. If cable is kinked, untwisted, or has broken strands, replace. Inspect wheels for damage. If damaged, replace. If undamaged, clean wheels. If wheels still do not rotate, replace. Replace damaged mast section.
Mast sections will not release or travel down.	Mast safety brake is activated.	Reset Mast Safety Brake. See <i>Section 6.6 MAST SAFETY BRAKE SYSTEM</i> .
Mast safety brake will not release.	Mast section or carriage is too close to mast stop and does not have enough clearance for brakes to release.	Use mast brake release hook to reset Mast Safety Brake. See <i>Section 6.6 MAST SAFETY BRAKE SYSTEM</i> .
Load travels down slowly when handle is released.	Winch ratchet pawls are not engaged.	Raise the load until the ratchet clicks, then release the handle to engage the ratchet. If this doesn't work, ratchet may be installed wrong.
After servicing winch, the winch brake does not work.	Brake ratchet and/or ratchet pawl not installed correctly.	Install brake ratchet and/or ratchet pawl correctly.
Leg latch will not latch.	Material lift base and stabilizers are not level with all wheels touching the ground.	Adjust the Stabilizer Casters up or down until all material lift legs are touching the ground. See <i>Section 6.5.2 Stabilizer Casters</i> .

PROBLEM	CAUSE	SOLUTION
Winch makes squealing noise under load.	Drive shaft bearings need lubrication.	Apply a light mineral oil to the drive shaft bearing.
Mast/load chatters or binds and descends erratically.	Lack of winch gear lubrication.	Apply grease to winch gears. See <i>Section 8.1.2 Winch Maintenance</i> . If problem persists, replace winch.
Winch operates but forks do not move.	Cable damaged, broken, or disconnected.	Inspect cable for damage, breakage, or disconnected. Reconnect or replace cable.

9.1 SERVICE MANUAL

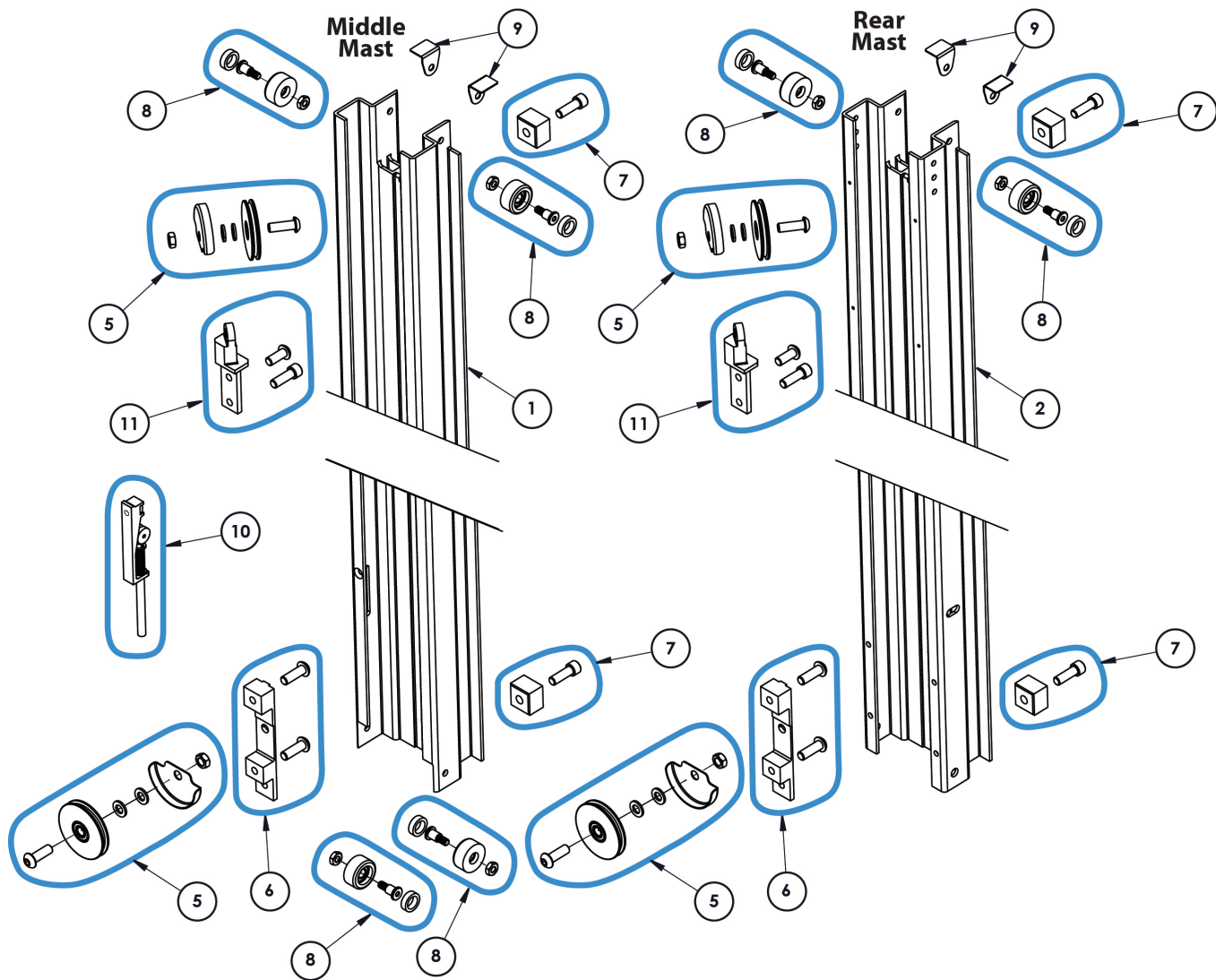
A service manual for this material lift is available for download from our website. Scan the QR code below to navigate to the material lift home page. There, you will find a link for downloading the service manual.

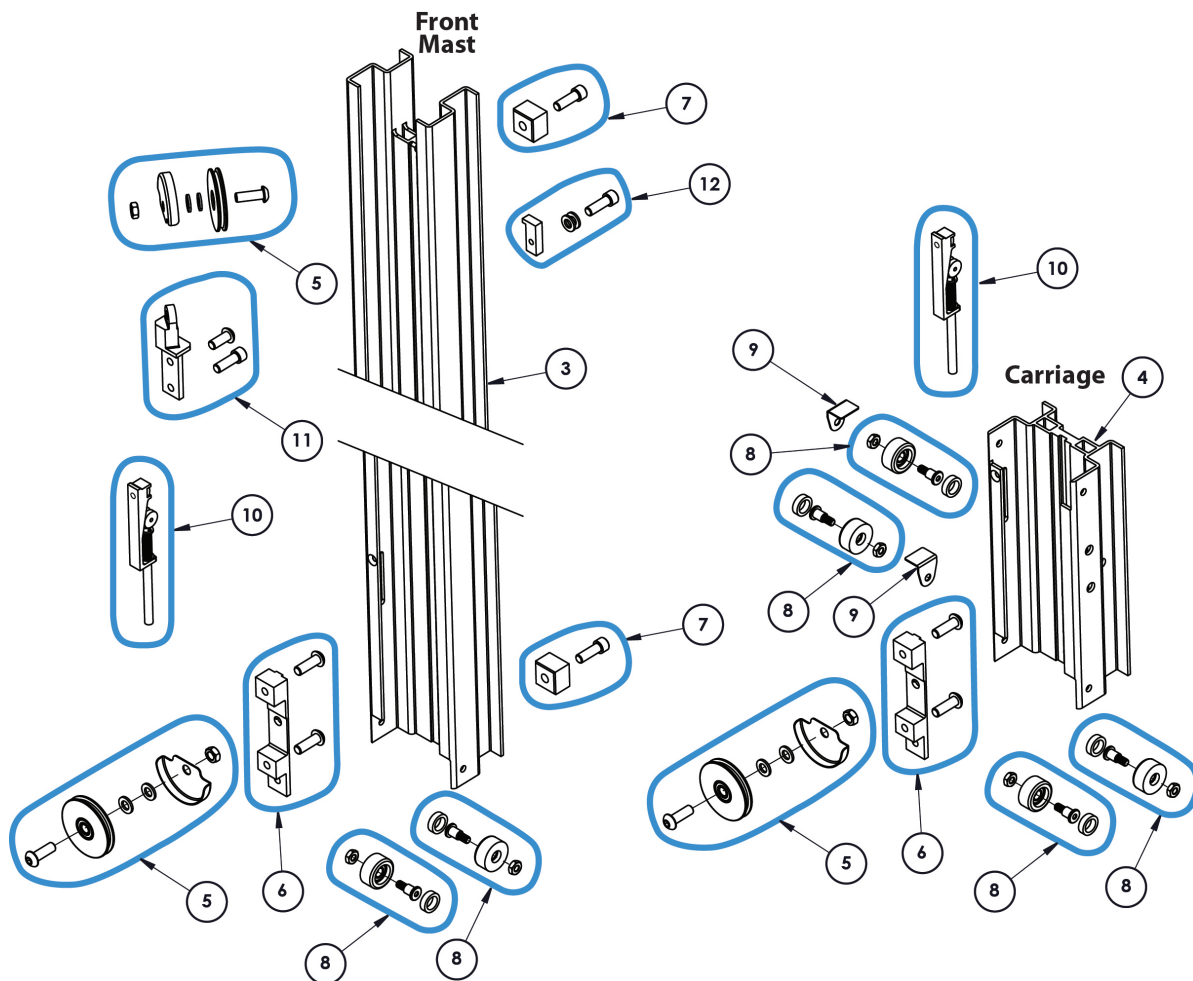


10 Replacement Parts

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-800-274-6848 Monday through Friday, 8:00 a.m. to 5:00 p.m. CST. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

10.1.1 MASTS - EXPLODED VIEW

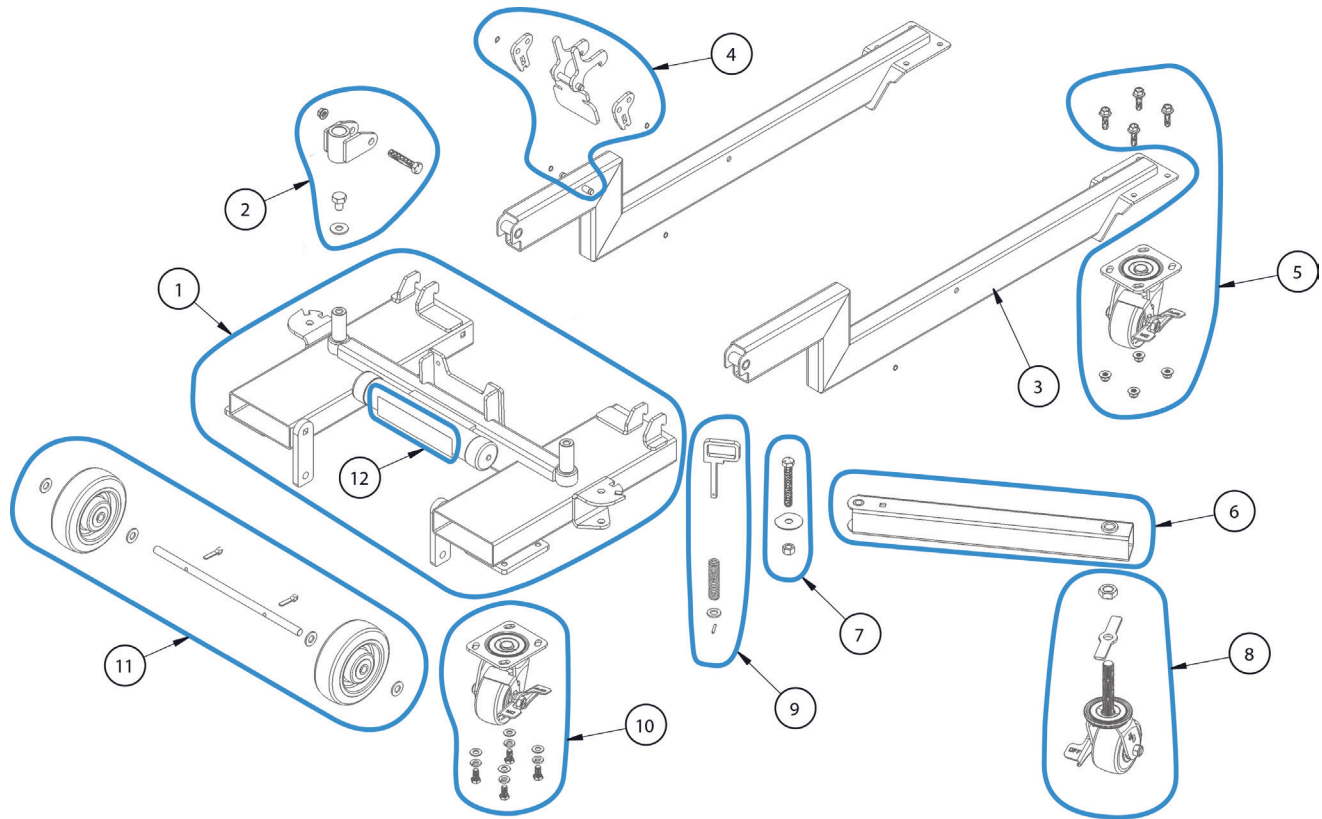




10.1.2 MASTS - PARTS LIST

Item	Part No.	Description	Qty.
1	JT1-2943	Middle Mast Extrusion (model JML-16S)	2
	JT1-2943	Middle Mast Extrusion (model JML-12S)	1
2	JT1-2942	Rear Mast Extrusion	1
3	JT1-2944	Front Mast Extrusion	1
4	JT1-2945	Carriage Extrusion	1
5	JT1-2958	Main Pulley Assembly Kit (one per kit, qty. varies by model)	
6	JT1-2960	Lower Pulley Mount Kit (one per kit, qty. varies by model)	
7	JT1-2957	Slide Block Kit (qty. of 3, qty. varies by model)	
8	JT1-2972	Roller Kit (one per kit, qty. varies by model)	
9	JT1-2499	Roller Shield	6
10	JT1-2932	Mast Brake Assembly (qty. varies by model)	
11	JT1-2959	Upper Pulley Mount Kit	1
12	JT1-2961	Cable End Hardware Kit	1

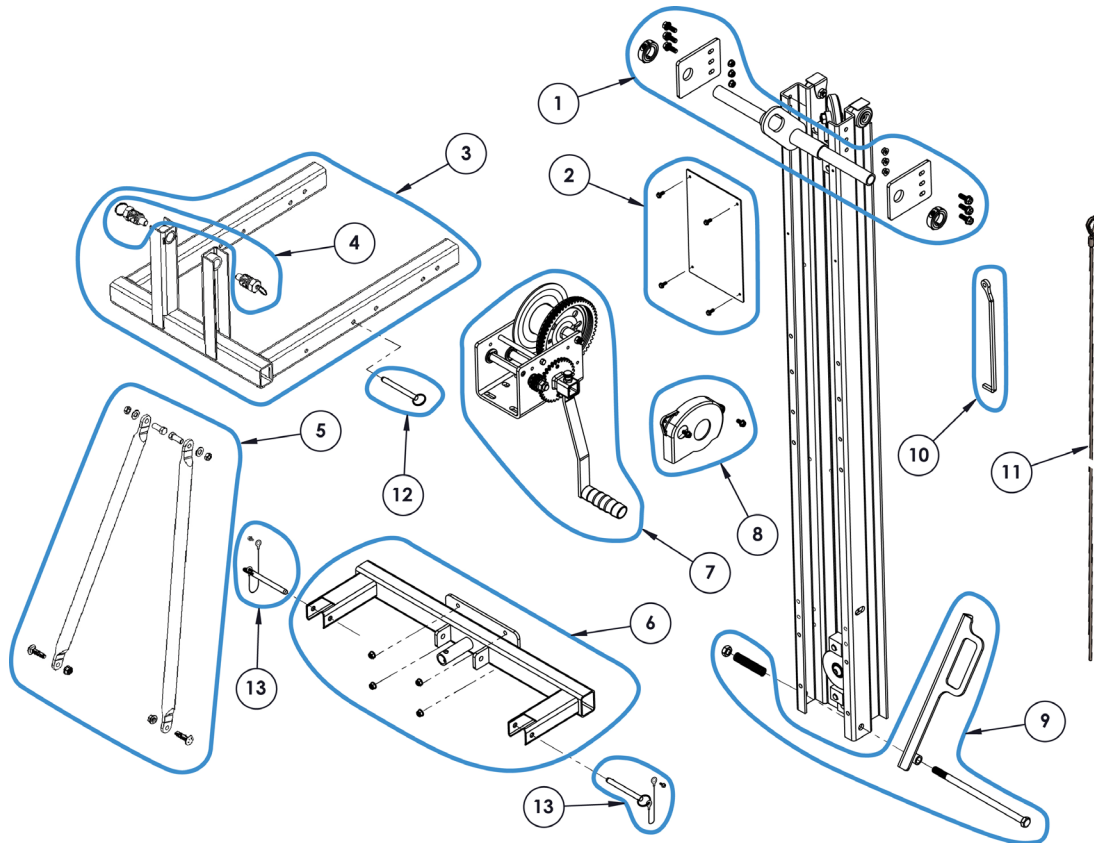
10.2.1 BASE & LEGS - EXPLODED VIEW



10.2.2 BASE & LEGS - PARTS LIST

Item	Part No.	Description	Qty.
1	JT1-2950	Base Weldment Assembly (includes manual tube warning label)	1
2	JT1-2765	Front Leg Pivot Assembly	2
3	JT1-2949	Leg / Warning Label Kit	2
4	JT1-2761	Leg Latch Assembly	2
5	JT1-2946	Leg Locking Caster & Hardware Kit	2
6	JT1-2485	Stabilizer	2
7	JT1-2799	Stabilizer Hardware Kit	2
8	JT1-2947	Stem Caster & Hardware Kit	2
9	JT1-2762	Stabilizer Latch Handle Assembly	2
10	JT1-2948	Base Locking Caster & Hardware Kit	2
11	JT1-2965	Fixed Wheel Kit	2
12	JT1-2623	Manual Tube Warning Label	1

10.3.1 FORK, WINCH, HANDLES & SUPPORTS - EXPLODED VIEW



10.3.2 FORK, WINCH, HANDLES & SUPPORTS - PARTS LIST

Item	Part No.	Description	Qty.
1	JT1-2951	Handle Assembly	1
2	JT1-2956	Pulley Shroud with Warning Labels	1
3	JT1-2954	Lifting Fork Assembly with Plunger Pins and Warning Label	1
4	JT1-2848	Plunger Pin	2
5	JT1-2952	Support Tube Kit	2
6	JT1-2955	Split Handle Kit	1
7	JT1-2505	Winch Assembly	1
	JT1-2774	Winch Input Shaft Assembly (not shown, part of item #7)	1
	JT1-2775	Winch Rope Clamp (not shown, part of item #7)	1
	JT1-2776	Winch Handle (not shown, part of item #7)	1
	JT1-2777	Handle Spring Kit (not shown, part of item #7)	1
8	JT1-2973	Winch Cover Kit	1
9	JT1-2953	Mast Hold Down Bar Assembly	1
10	JT1-2816	Mast Brake Release Hook & Hardware	1
11	JT1-2941	Cable for JML-16S	1
	JT1-2940	Cable for JML-12S	1
12	JT1-2673	Cradle and Fork Extension Pin (individual replacement pin)	1
13	JT1-2975	Leg Pin and Lanyard Kit	2

10.4 DECAL SET KIT - JT1-2964



⚠ WARNING

FAILURE TO PROPERLY SECURE FORKS CAN CAUSE LOAD DROP, INJURY, OR EQUIPMENT DAMAGE.

- Engage fork retaining pins fully before lifting any load.
- Check pins are seated and forks are secure.
- Never lift without pins engaged.

⚠ WARNING

NO RIDERS



⚠ WARNING

DO NOT STAND UNDER LOAD

⚠ DANGER

ELECTROCUTION HAZARD

Contact with overhead power lines can cause death or serious injury. This machine may become electrically charged if it touches power lines.

STAY CLEAR OF POWER LINES



⚠ WARNING



Read and understand the operating manual before using lift.



Ensure the leg is fully seated, the latch is engaged, and the lever is locked first against the leg before lifting.



Ensure the stabilizer are extended to the lifting position and the lock is fully engaged before lifting.



Inspect cable before use; do not operate if the cable is frayed, worn, or damaged.



Never allow anyone under an elevated load.



Use only on solid-level surfaces.



Never leave the lift unattended with an elevated load.



Do not climb on the lift or put a side load on the mast.



Stay clear of overhead wires and obstructions.



Do not operate during storms.



Do not operate in gusty winds.



Test load balance before lifting; do not exceed rated load capacity.

- Do not modify or weld on the lift.
- Always follow safe lifting practices.
- Do not lift an unverified load.

LOAD CENTER

14 in	30 in
450 lbs	200 lbs

⚠ WARNING

WINCH ACCIDENTS CAN CAUSE SERIOUS INJURY OR DEATH.

Follow these rules:

- Keep hands, hair, and clothing clear of pinch points.
- Do not lift people or ride the load.
- Always confirm a loud clicking sound while raising the load; stop immediately if no sound is heard.
- Never release the handle until the winch is fully locked.
- If using a drill, operate only at low speed (below 500 rpm).
- Use only a 3/4" 6-point socket on the nut shown in red.
- Do not use an impact driver or impact wrench.



⚠ WARNING

Do not use a drill rated above 1,400 in.-lbs of torque. Excessive torque can cause cable breakage, resulting in serious injury.

DRILL DRIVE INPUT
3/4" SOCKET, 6-POINT

⚠ WARNING



SCAN TO VIEW ONLINE MANUAL
READ ENCLOSED OPERATING INSTRUCTIONS BEFORE OPERATING LIFT



STOP CRANKING WHEN ARROWS LINE UP



⚠ WARNING

⚠ WARNING

Safety Hazard and Machine Damage

Failure to lock the mast hold-down bar during transport may cause the mast sections to extend, resulting in serious injury or equipment damage.

Before Transport:

Secure the mast by locking the hold-down lever.

[illegible]

12 Warranty

JET warrants every product it sells against manufacturers' defects. If one of our tools needs service or repair, please contact Technical Service by calling 1-800-274-6846, 8AM to 5PM CST, Monday through Friday.

Warranty Period

The general warranty lasts for the time period specified in the literature included with your product or on the official JET branded website.

- JET products carry a limited warranty which varies in duration based upon the product. (See *Product Listing with Warranty Period*, below)
- Accessories carry a limited warranty of one year from the date of receipt.
- Consumable items are defined as expendable parts or accessories expected to become inoperable within a reasonable amount of use and are covered by a 90-day limited warranty against manufacturer's defects.

Who is Covered

This warranty covers only the initial purchaser of the product from the date of delivery.

What is Covered

This warranty covers any defects in workmanship or materials subject to the limitations stated below. This warranty does not cover failures due directly or indirectly to misuse, abuse, negligence or accidents, normal wear-and-tear, improper repair, alterations, or lack of maintenance. JET woodworking machinery is designed to be used with Wood. Use of these machines in the processing of metal, plastics, or other materials may void the warranty. The exceptions are acrylics and other natural items that are made specifically for wood turning.

Warranty Limitations

Woodworking products with a Five-Year Warranty that are used for commercial or industrial purposes default to a Two-Year Warranty. Please contact Technical Service at 1-800-274-6846 for further clarification.

How to Get Technical Support

Please contact Technical Service by calling 1-800-274-6846. Please note that you will be asked to provide proof of initial purchase when calling. If a product requires further inspection, the Technical Service representative will explain and assist with any additional action needed. JET has Authorized Service Centers located throughout the United States. For the name of an Authorized Service Center in your area call 1-800-274-6846 or use the Service Center Locator on the JET website.

More Information

JET is constantly adding new products. For complete, up-to-date product information, check with your local distributor or visit the JET website.

How State Law Applies

This warranty gives you specific legal rights, subject to applicable state law.

Limitations on This Warranty

JET LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD OF THE LIMITED WARRANTY FOR EACH PRODUCT. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

JET SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

JET sells through distributors only. The specifications listed in JET printed materials and on official JET website are given as general information and are not binding. JET reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever. JET® branded products are not sold in Canada by JPW Industries, Inc.

Product Listing with Warranty Period

90 Days – Parts; Consumable items

1 Year – Motors; Machine Accessories

2 Year – Metalworking Machinery; Electric Hoists, Electric Hoist Accessories; Mobile Material Lifts; Woodworking Machinery used for industrial or commercial purposes; Pipe Jack Stands

5 Year – Woodworking Machinery

Limited Lifetime – JET Parallel clamps; VOLT Series Electric Hoists; Manual Hoists; Manual Hoist

Accessories; Shop Tools; Warehouse & Dock products; Hand Tools; Air Tools

NOTE: JET is a division of JPW Industries, Inc. References in this document to JET also apply to JPW Industries, Inc., or any of its successors in interest to the JET brand.





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