

DJ Series of Rolling Jacks

Installation and Operation Manual

Manual P/N 5900258 — Manual Revision B — Released April 2021

Models: •DJ-4500 •DJ-6000W



DANGER

Read the *entire contents* of this manual *before* using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death. Make sure all other operators also read this manual. Keep the manual near the product for future reference. *By proceeding with setup and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.*

Manual. Danmar DJ Series of Rolling Jacks, *Installation and Operation Manual*, Manual Part Number 5900258, Manual Revision B, Released April 2021.

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Limitations. Every effort has been made to ensure complete and accurate instructions are included in this manual. However, product updates, revisions, and/or changes may have occurred since this manual was published. BendPak reserves the right to change any information in this manual without incurring any obligation for equipment previously or subsequently sold. BendPak is not responsible for typographical errors in this manual. The latest version of the manual for this product is **available on the Danmar website**.

Warranty. The Danmar warranty is more than a commitment to you: it is also a commitment to the value of your new product. Contact your nearest Danmar dealer or visit www.danmar.com/support/warranty for full warranty details.

Safety. Your new product was designed and manufactured with safety in mind. Your safety also depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair the unit without reading and understanding the safety information in this manual and the labels on the unit. Contact Danmar if you are unclear about any safety aspect of this product; **do not use this product unless you can do so safely!**

Owner Responsibility. In order to maintain your product properly and to ensure operator safety, it is the responsibility of the product owner to read and follow these instructions:

- Follow all setup, operation, and maintenance instructions.
- Make sure product setup conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for operators.
- Make sure all operators are properly trained, know how to safely operate the unit, and are properly supervised.
- Do not operate the product until you are certain all parts are in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all maintenance as required.
- Service and maintain the unit only with approved replacement parts.
- Keep all instructions permanently with the product and make sure all labels are clean and visible.
- **Only use this product if it can be used safely!**

Unit Information. Enter the Model Number, Serial Number, and the Manufactured On date from the label on your unit. This information is required for part or warranty issues.

Model: _____

Serial: _____

Manufactured On: _____

DANNMAR		Santa Paula, CA USA www.danmar.com	
MODEL NUMBER			
DESCRIPTION			
LIFT CAPACITY			
DATE CODE		SERIAL NUMBER	
DANGER! Disconnect Power Before Servicing		UPC	
CE ETL			
MADE IN CHINA WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905705			

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Introduction

This manual covers the following Danmar Rolling Jacks:

- **DJ-4500:** Raises up to 4,500 lbs / 2,041 kg. Designed and approved for use only with a Danmar D4-9 Series Four Post Lift.
- **DJ-6000W:** Raises up to 6,000 lbs / 2,721 kg. Designed and approved for use only with a Danmar D4-12 Series Four Post Lift.

This manual is **mandatory reading for all users of the Danmar Rolling Jacks**, including anyone who installs, operates, maintains, or repairs them.

Shipping Information

Your unit was carefully checked before shipping. Nevertheless, you should thoroughly inspect the shipment before you sign to acknowledge that you received it.

When you sign the bill of lading, it tells the carrier that the items on the invoice were received in good condition. To protect yourself, do not sign the bill of lading until after you have inspected the shipment. If any of the items listed on the bill of lading are missing or are damaged, do not accept the shipment until the carrier makes a notation on the bill of lading that lists the missing and/or damaged goods.

If you discover missing or damaged goods after you receive the shipment and have signed the bill of lading, notify the carrier at once and request the carrier to make an inspection. If the carrier will not make an inspection, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request.

It is difficult to collect for loss or damage after you have given the carrier a signed bill of lading. If this happens to you, file a claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping you process your claim does not make us responsible for collection of claims or replacement of lost or damaged materials.


Safety Considerations

Read this manual carefully before using your new product. Do not set up or operate the product until you are familiar with all operating instructions and warnings. Do not allow anyone else to operate the product until they are also familiar with all operating instructions and warnings.

Rolling Jack Safety Information

Please note the following:

- The product is a Rolling Jack. **Use it only for its intended purpose.**
- The product must only be operated by authorized, trained personnel.
- When the product is in use, keep all body parts away from it.
- Do not make any modifications to the product.

 **WARNING** When the Rolling Jack is on a raised Lift, **do not go under it!** If you notice a Roller out of position, get everyone out from under the Lift, carefully lower the Lift, reposition the Rollers back onto the Utility Rail, and then make sure the Safety Brackets and Adjustment Bolts are correctly installed and adjusted.

- Make sure all operators read and understand this *Installation and Operation Manual*. Keep the manual near the device at all times.
- Make a visual inspection of the product before using it every time. Check for missing or damaged parts. Do not use the product if you find any of these issues. Instead, take the Jack out of service, then contact an authorized repair facility, your distributor, or Danmar at **1 (877) 432-6627**.
- Do not touch hot parts; you could be burned.
- Take care locating cables and hoses; you do not want them driven over or stepped on.
- You **must** wear OSHA-approved (publication 3151) personal protective equipment at all times when installing, using, maintaining, or repairing the Rolling Jack: leather gloves, steel-toed work boots, eye protection, back belts, and hearing protection are **mandatory**.
- Clear the area **immediately** if a Vehicle is in danger of falling off the Rolling Jack.
- **Make sure the Rolling Jack is engaged on its Safety Locks before starting work.**
- Operating temperature range for a Rolling Jack is 41°F to 104°F (5°C to 40°C).
- Make sure the weight of a Vehicle being raised by a Rolling Jack does **not** exceed its maximum lifting capacity.

Symbols

Following are the symbols used in this manual:



DANGER

Calls attention to an immediate hazard that **will** result in death or severe injury.



WARNING

Calls attention to a hazard or unsafe practice that **could** result in death or severe personal injury.



CAUTION

Calls attention to a hazard or unsafe practice that could result in minor personal injury, product, or property damage.

NOTICE

Calls attention to a situation that, if not avoided, could result in product or property damage.



Tip

Calls attention to information that can help you use your product better.

Liability Information

BendPak assumes **no** liability for damages resulting from:

- Use of the equipment for purposes other than those described in this manual.
- Modifications to the equipment without prior, written permission from BendPak.
- Injury or death caused by modifying, disabling, overriding, or removing safety features.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.


Components

Rolling Jack components include:

- **Scissor Structure.** Rolling Jacks are scissor lifts that are powered by air pressure from the Air-Operated Hydraulic Pump.
- **Air-Operated Hydraulic Pump.** Provides power to the Rolling Jack. The Air-Operated Hydraulic Pump must be attached to an air supply: 20 cubic feet per minute (.57 cubic meters per minute) and 100 psi (7 bar).

Not supplied: An appropriate Air Line Regulator, Water Separator, and Lubricator must be installed on the air supply.

- **Foot Pedal.** Raises and lowers the Rolling Jack. Despite its name, you can use the Foot Pedal with your hands or your feet. Located on the top of the Hydraulic Pump.
- **Hydraulic Hose.** Connects the Air-Operated Hydraulic Pump to the Hydraulic Cylinder; comes connected.
- **Hydraulic Cylinder.** Moves the Scissor Structure up and down.
- **Safety Locks.** Hold the Rolling Jack in place once engaged. Always leave your Rolling Jack either fully lowered or engaged on its Safety Locks; **never leave a Rolling Jack in an unlocked position with a Vehicle on it.**

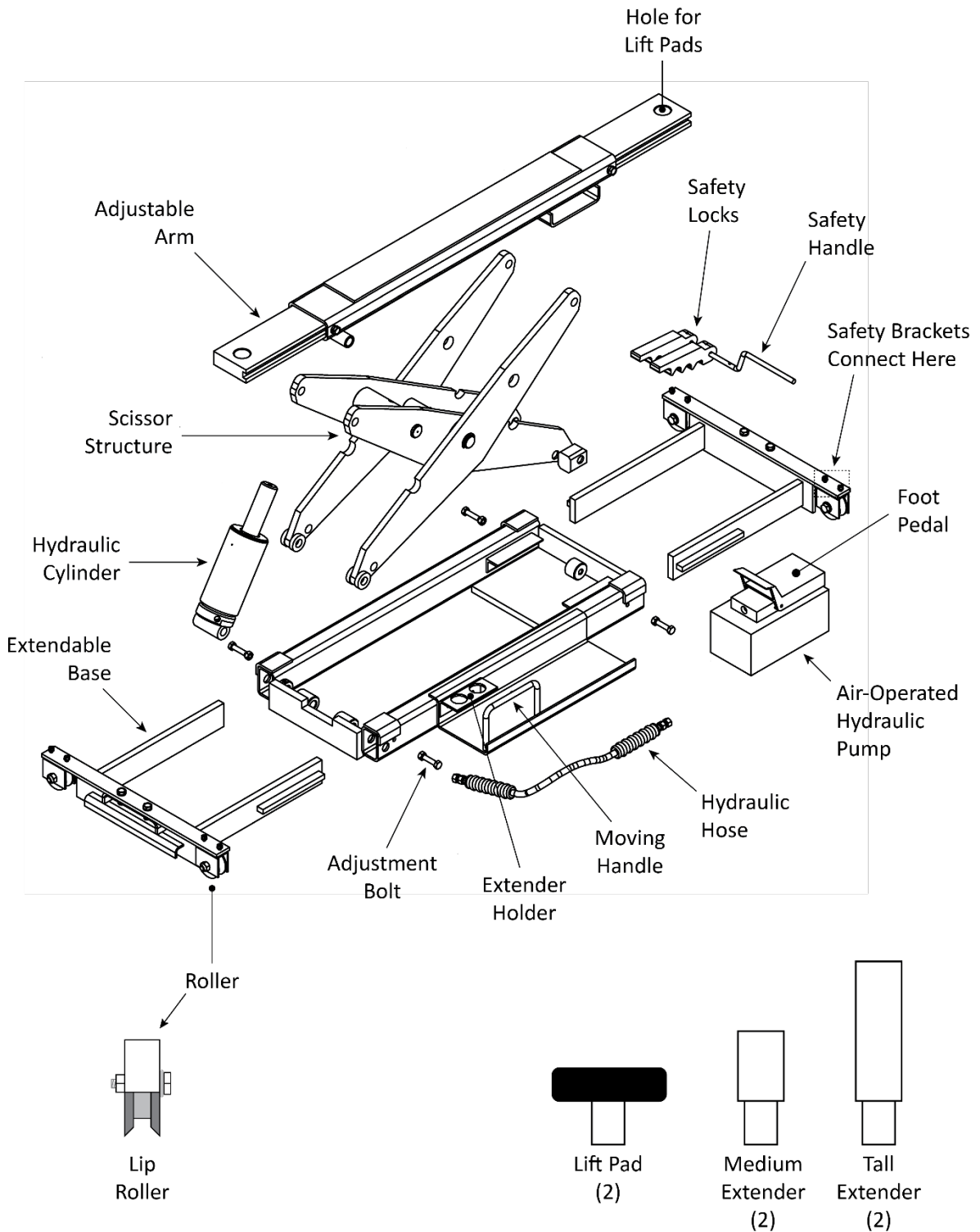
 **WARNING** Before starting work on a Vehicle, make sure the Rolling Jack is engaged on its Safety Locks and the Lift Pads are in contact with the axle on the underside of the Vehicle.

- **Safety Handle.** Moves the Rolling Jack off its Safety Locks so it can be lowered.
- **Adjustable Arms.** Slide in and out so you can precisely position the Lift Pads on the axles of the Vehicles you are lifting.
- **Lift Pads.** Position them under the axle on the underside of the Vehicle. Lift Pads fit into the holes on the end of the Adjustable Arms.



Tip If you have a DJ-4500 Rolling Jack and want more control over where the Rolling Jack contacts the axles on the underside of Vehicles, the DJ-4500 Adapter Kit includes two sliding rubber contact pads and two sliding receivers.

- **Lift Pad Extenders.** Allow you to raise the height of the Lift Pads to better hit the axles on Vehicles. Two Medium and two Tall Extenders are included with the Rolling Jack.
- **Extender Holder.** Hold the Lift Pad Extenders when you are not using them.
- **Moving Handle.** Used to move the Rolling Jack. Not the same thing as the Safety Handle.
- **Extendable Bases.** Move in and out to accommodate the distance between the Lift's Runways.
- **Rollers.** Located on the ends of the Extendable Bases, the Lip Rollers sit on the Utility Rail Lip and let you move the Rolling Jack.
- **Safety Brackets.** A safety feature, they hold the Rolling Jack in place on the Utility Rail. Installed after the Jack is put into place. **Installation is mandatory.**
- **Adjustment Bolts.** Another safety feature, they hold the Extendable Bases in place. They come installed but not tightened. **Tightening is mandatory.**



Not necessarily to scale. Some components exaggerated for clarity.

Specifications

Model	DJ-4500	DJ-6000W
Lifting capacity	4,500 lbs / 2,041 kg	6,000 lbs / 2,721 kg
Minimum arm reach	42" / 1,069 mm	42" / 1,067 mm
Maximum arm reach	57" / 1,449 mm	56" / 1,426 mm
Maximum operating hydraulic pressure	2,490 psi	4,550 psi
Safety Locks	3	3
Shipping weight	305 lbs / 138 kg	305 lbs / 138 kg

Specifications are subject to change without notice.

About Vehicle Wheelbases

A Four-Post Lift supports less weight than its rated capacity when the wheelbase of the Vehicle on the Lift is shorter. This reduced capacity based on Vehicle wheelbase does not impact the rated capacity of the Rolling Jacks used on those Lifts. However, it does mean you do not want to use the Rolling Jacks in the middle of a Lift's Runways. Instead, use your Rolling Jack as close as possible to the Crosstubes on the ends of the Lift.

This is because the wheels of these shorter wheelbase Vehicles are closer to the middle of the Runways, where there is less strength. Consequently, the rated capacity of the Lift is less with these shorter wheelbase Vehicles on the Runways.

For example, if you want to raise a Vehicle with a wheelbase of only 84.5" on a D4-9 Lift, the rated capacity of the Lift is reduced by 50% to 4,500 lbs (3,175 kg) for that Vehicle.


Rated capacity information is included in the Specifications section in the manual of all four-post Lifts. Refer to the manual for a specific Lift for additional information.

Setup


This section describes how to set up your Dannmar Rolling Jack.

Safety Rules

When installing a Rolling Jack, your safety depends on proper training and thoughtful operation.

 **WARNING** Do not install this equipment unless you have automotive lift installation training. Always use proper lifting tools, such as a Forklift or Shop Crane, to lift heavy components. Do not install this equipment without reading and understanding this manual and the safety labels on the unit.

Only fully trained personnel should be involved in installing this equipment. Pay attention at all times. Use appropriate tools and lifting equipment. Stay clear of moving parts.

 **WARNING** You **must** wear OSHA-approved (publication 3151) personal protective equipment at all times when installing, using, maintaining, or repairing the Rolling Jack: leather gloves, steel-toed work boots, eye protection, back belts, and hearing protection are **mandatory**.


Tools

You may need some or all of the following tools:

- Hex key wrench set
- Medium crescent wrench
- Forklift, Shop Crane, or other heavy lifting device
- Medium flat screwdriver
- Tape measure, 25 feet or longer
- Air Fitting, to connect the Air-Operated Hydraulic Pump to air pressure

Unloading and Unpacking

After your Rolling Jack arrives, carefully remove the Rolling Jack from the shipping container and verify that you have all the necessary parts.

 **CAUTION** Use caution when taking the Lift out of its shipping container. You do not want to damage the unit, misplace the components, or get hurt.

The shipping container includes the Rolling Jack with Air-Operated Hydraulic Pump, Accessory Box, four Safety Brackets, and two Roller Assemblies.

If any of these items are missing, contact your dealer, go to dannmar.com/support, email support@dannmar.com, or call **1 (877) 432-6627**.

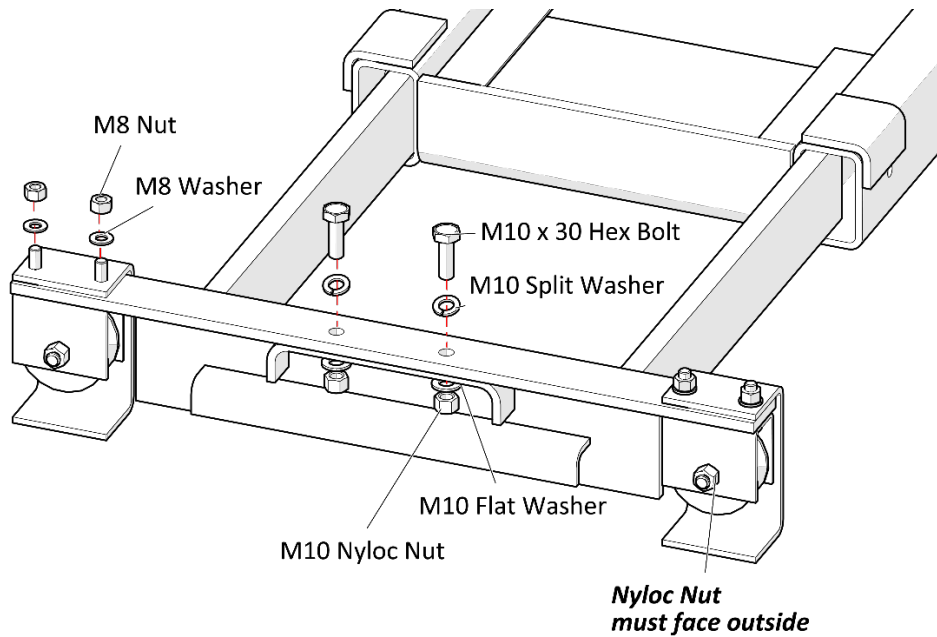
Install the Roller Assemblies

You must install a Roller Assembly on each end of the Rolling Jack.

To install a Roller Assembly:

1. Raise the Rolling Jack off the ground by at least **3 in / 76 mm**, then remove the two Bolts, Washers, and Nuts in the middle of each Roller Assembly.
2. Orient a Roller Assembly over the Extendable Base on one end of the Rolling Jack.

The following drawing shows the connections to make to the Extendable Base.



Top view. Not necessarily to scale. Not all components shown.

3. Replace the two M10 Bolts in the middle of each Roller Assembly and **securely** tighten them.

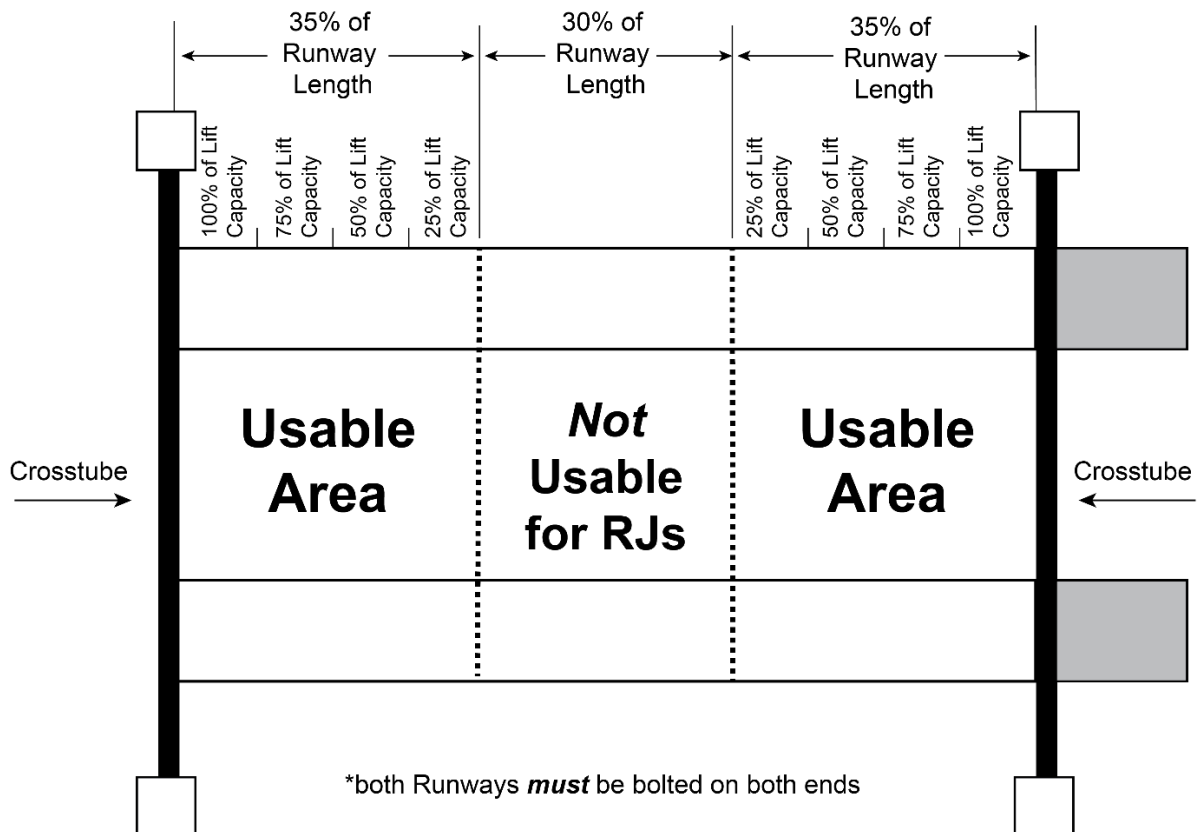
Preparing the Lift

Rolling Jacks go into the space between the Runways of a Four-Post Lift. Keep the following in mind:

- **The Lift must be installed and operating properly.** Only use a Rolling Jack with a Lift that has been installed according to the manufacturer's instructions and is operating normally.

⚠ WARNING Do not set up or use a Rolling Jack if the Lift is not the model the Rolling Jack was designed for or the Lift was improperly installed. Instead, contact Danmar Support.

- **The Lift must be lowered.** Before putting your Rolling Jack into position between the Runways, fully lower the Lift or set it on its lowest Safety Lock position.
- **You can only use the Rolling Jack in certain locations on the Lift.** This is because the strength of the Lift is less in the middle, so raising a Vehicle in the middle could permanently damage the Lift's Runways.



⚠ CAUTION Using Rolling Jacks in the middle of the Runways could temporarily bow or even permanently damage the Lift's Runways. ***Damage caused by this unsupported use of Rolling Jacks is not covered by the warranty.***

What this information means:

- If you are using **one** Rolling Jack on your Lift, do not use it in the unusable area.
- If you are using **two** Rolling Jacks on your Lift, center the Vehicle between the Front and the Back of the Runways, over the area that is not usable for Rolling Jacks.
- If you are using **two** Rolling Jacks, they must never be closer to each other than 30% of the length of the Runway of the Lift they are on, nor can either one be used in the unusable area.

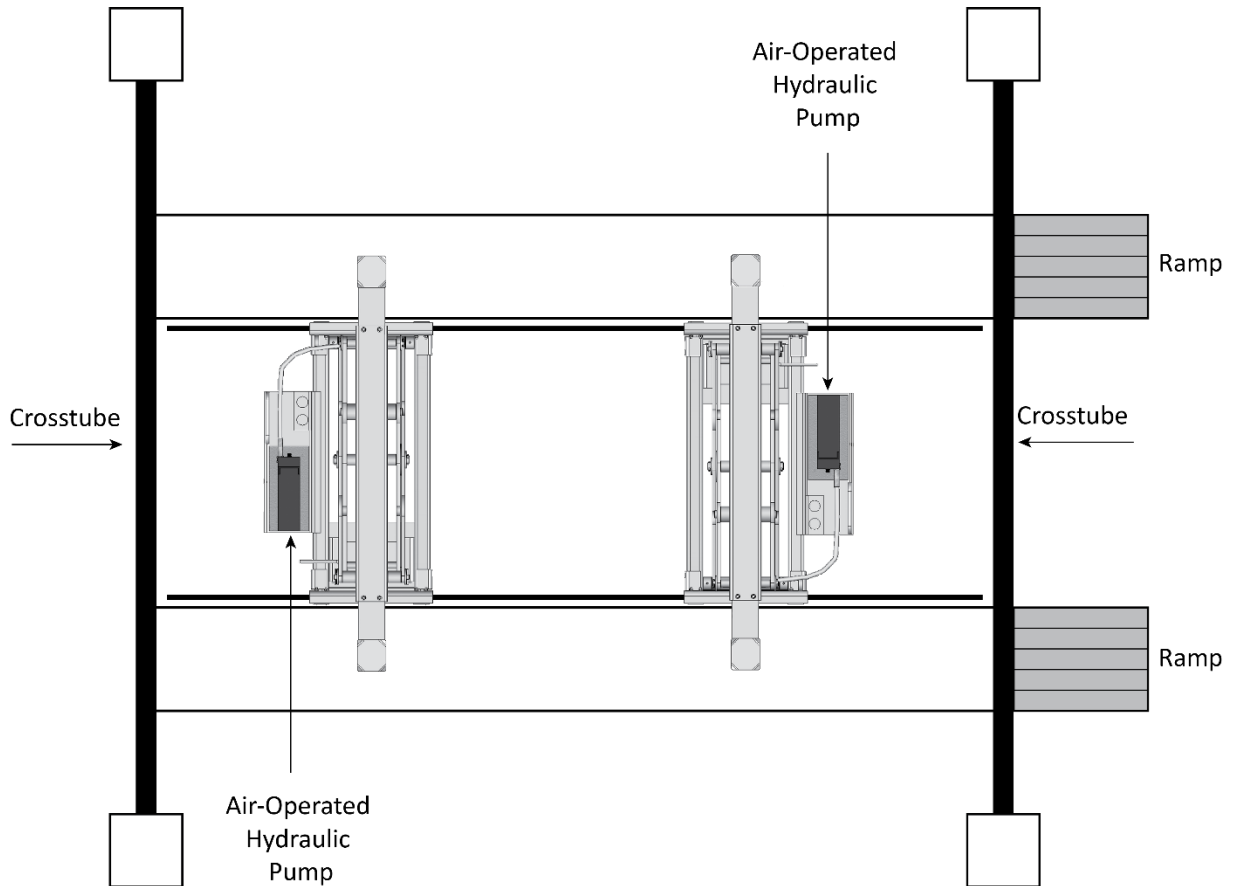
Check the Specifications for your Lift for the length of the Runways and its rated capacity.

- **The Lift Runways *must* be parallel.** Verify the Lift Runways were installed parallel to each other. The distance between the Runways ***must be equal*** along the entire length of the Lift. The Lift's Runways must be bolted to the Crosstubes on both ends.

⚠ WARNING If the Lift Runways are ***not*** parallel, moving the Rolling Jack could force it off the Utility Rail, increasing the chances it could fall and be damaged or cause injury.

- **Orienting the Pump on the Lift.** You need to orient each Rolling Jack such that the Air-Operated Hydraulic Pump is facing the closest Crosstube, the outside of the Lift. This makes it easier to route the integrated air lines and access the Air-Operated Hydraulic Pump.

When using two Rolling Jacks on a Lift, orient both pumps towards the outside of the Lift.



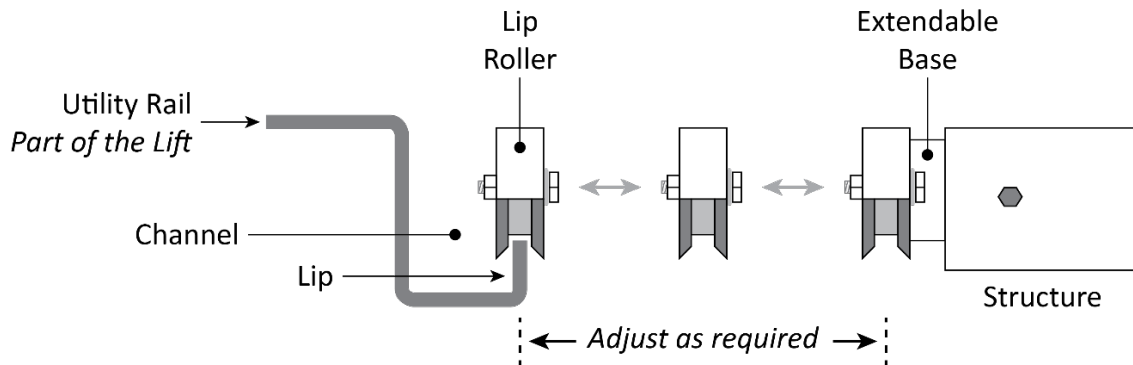
Top view. Drawing not necessarily to scale. Not all components shown.

Moving the Rolling Jack into Position

⚠ WARNING Pay close attention when moving the Rolling Jack into position; the weight is not evenly distributed. Make sure the Rolling Jack is held **securely** by a Forklift, Shop Crane, or other device appropriate for lifting heavy objects.

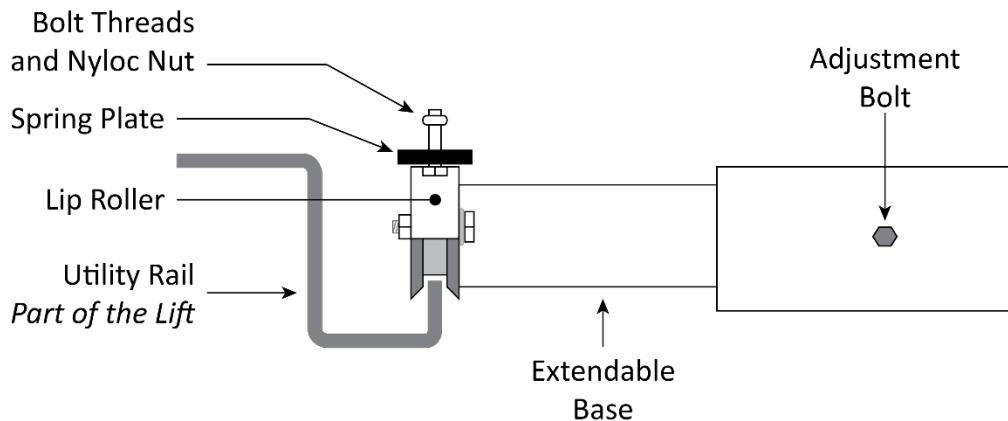
To move a Rolling Jack into position on a Four-Post Lift:

1. Make sure the Lift is either fully lowered or engaged on Safety Locks, and that the Runways are the desired width apart.
2. Using a Forklift or Shop Crane, raise the Rolling Jack and orient it between the Lift's two Runways. **Do not lower it onto the Utility Rail yet.**
3. Adjust the Extendable Bases of the Rolling Jack so that the Lip Roller is above the Utility Rail Lip.



Side view. Not to scale. Not all components shown. Shows Lip Roller over Utility Rail Lip.

4. Verify all four Rollers are over the correct locations, then lower the Rolling Jack onto the Utility Rail.



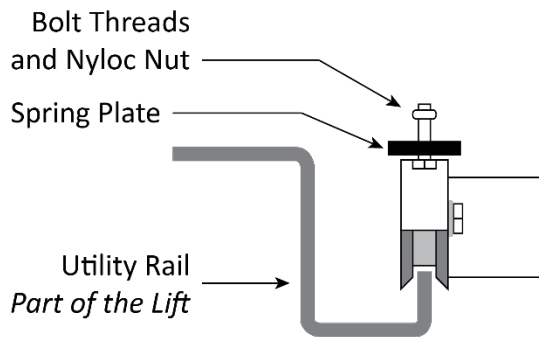
Side view. Not necessarily to scale. Not all components shown. Safety Brackets not yet installed.

5. Make sure the Utility Rail Channel is clear of debris, then carefully move the Rolling Jack a short distance in both directions to verify operation.
6. When the Rolling Jack is correctly situated on the Utility Rail Lip and operation has been checked, securely tighten all four Adjustment Bolts.

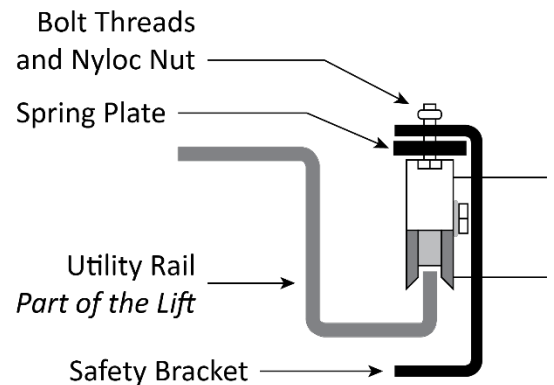
⚠ WARNING You are **required** to securely tighten all four Adjustment Bolts. This ensures the Jack stays in place on the Utility Rails. If the Adjustment Bolts are not tightened, there is a possibility the Rolling Jack could fall off the Lift, causing damage or injury.

7. Find the Safety Brackets that came with the Rolling Jack.

8. Remove the Nyloc Nuts at the top of the Bolt Threads coming up from the top of the Roller.
9. Put a Safety Bracket into place on the Bolt Threads—the Bracket goes on the Rolling Jack side; securely tighten the Nyloc Nuts in place.



**Roller on Rail,
No Safety Bracket**



**Roller on Rail,
With Safety Bracket**

Side view. Not necessarily to scale. Not all components shown.

⚠ WARNING You are **required** to install a Safety Bracket around each of the four Rollers of the Rolling Jack. They ensure the Jack stays in place on the Utility Rails. If you do not install the Safety Brackets, there is a possibility the Rolling Jack could fall off the Lift, causing damage or injury.

10. Install the Safety Brackets on the other three Rollers of the Rolling Jack.
11. If you are installing **two** Jacks on the Lift, repeat Steps 2 through 10.
12. If you haven't already, raise the Lift and engage the Lift on a Safety Lock.

⚠ WARNING Do **not** start using the Rolling Jack until you are certain the Four-Post Lift is **engaged on its Safety Locks**. If the Lift is not engaged on its Safety Locks, it could move, possibly causing it to fall off, and possibly causing damage or injury.

13. Check the clearance around, and movement of, the Rolling Jack.
14. If necessary, make adjustments to ensure proper operation.

Do not use your Rolling Jack unless it is safe to do so!

Setting Up the Air-Operated Hydraulic Pump

The Air-Operated Hydraulic Pump comes from the factory with Hydraulic Fluid. You do not need to add any at this point, unless the Hydraulic Fluid has leaked out.

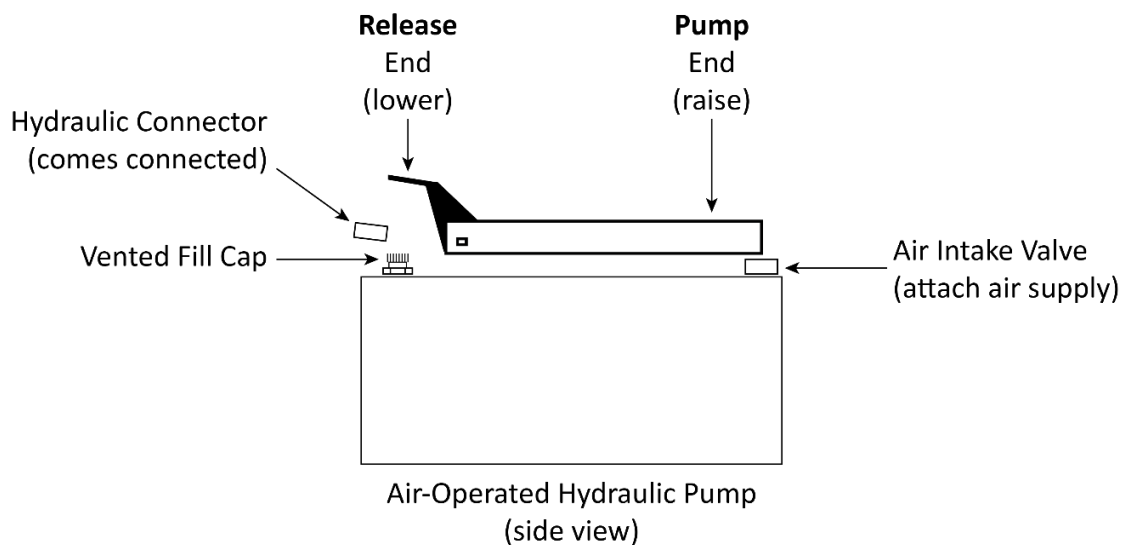
It is your responsibility to supply air pressure to the Pump. Air pressure should be set to 20 cubic feet per minute (.57 cubic meters per minute) and 100 psi (7 bar).

Do not exceed 125 psi (8.6 bar) at any point, you can damage the Air-Operated Hydraulic Pump.

⚠ WARNING Before performing installation or maintenance, release the pressure currently in the system by pressing and holding the Release End of the Pump, then disconnect the Pump from its air pressure at the Air Intake Valve.

To set up your Air-Operated Hydraulic Pump:

1. Remove the thread protector from the Air Intake Valve.



2. Install a threaded fitting (not supplied) that works with your air supply into the Air Intake Valve, then connect the air supply.

⚠ CAUTION An appropriate Air Line Regulator, water separator, and lubricator must be installed on the air supply. **Failure to install these items could lead to damage and voids the warranty on pneumatic components.**

3. The Vented Fill Cap is tightened for shipment; loosen it approximately one turn counterclockwise before starting normal operation.

Preparing for Operation

To prepare the Rolling Jack for normal operation, you need to:

- Make sure the fluid reservoir on the Air-Operated Hydraulic Pump has Hydraulic Fluid.
- Perform an operational test to make sure the Rolling Jack is working normally.

⚠ CAUTION Do **not** run the Air-Operated Hydraulic Pump without fluid; you will damage it.

Approved fluids are any general purpose ISO-32, ISO-46, or ISO-68 Hydraulic Fluid or approved ATF fluids such as Dexron III, Dexron VI, Mercon V, Mercon LV, or any Synthetic Multi-Vehicle ATF.

To check the Hydraulic Fluid reservoir:

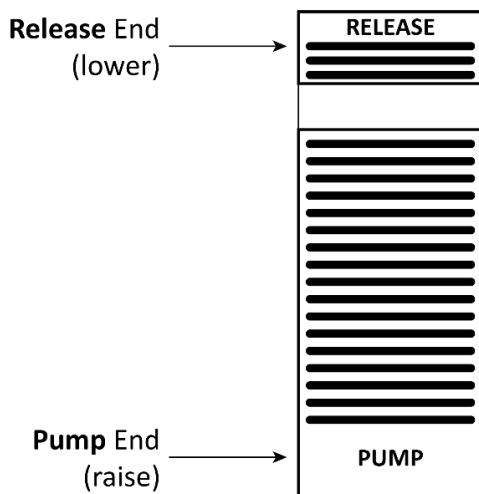
1. Remove the Vented Fill Cap and insert a dipstick or piece of plastic into the tank until it hits the bottom.
2. Remove the dipstick or piece of plastic and measure the amount of fluid; the fluid level should be 3.3 to 3.5 inches deep.
3. If the current level is below 3.35 inches, add approved fluid until it is between 3.35 and 3.5 inches.

You do not need a Vehicle on the Jack to test it.

To test your Rolling Jack:

⚠ WARNING When raising or lowering your Jack, keep body parts, especially your hands, away from the Scissor Structure and the Adjustable Arms. You could be injured if you are not careful.

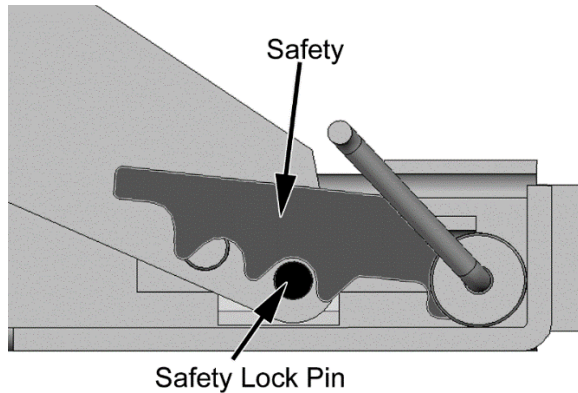
1. Press and hold the **PUMP** end of the pedal to begin raising the Rolling Jack to the desired height, then release the **PUMP** end.



If the Rolling Jack does not raise, refer to the **Troubleshooting** section.

2. Press and hold the **RELEASE** end to lower the Rolling Jack down onto the nearest Safety Lock.

3. Release the **RELEASE** end of the pump when the Jack engages on the Safety Lock.

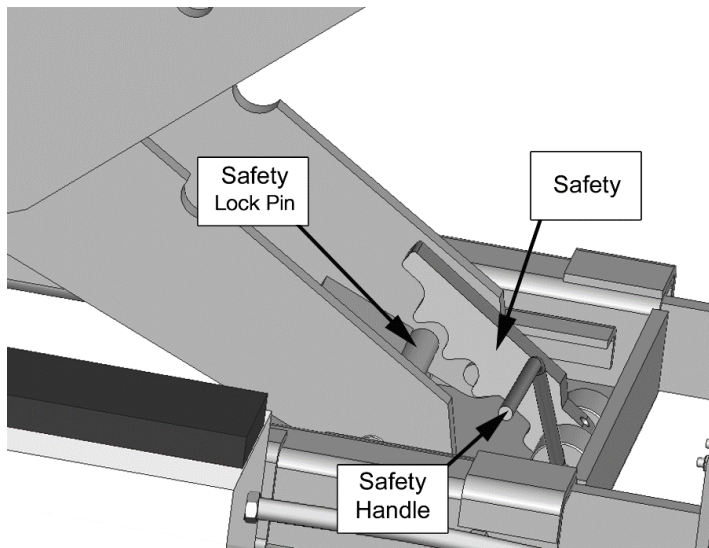


This drawing shows the Jack engaged on a Safety Lock.

The Safety Lock is held in place on the Safety Lock Pin by the weight of the Vehicle on the Rolling Jack.

⚠ WARNING Only leave your Rolling Jack on a Safety Lock or fully lowered.

4. To lower the Rolling Jack: press the **PUMP** end of the pedal to get it up off the Safety Lock Pin, pull up on the Safety Handle to move the Safety out of the way, then press and hold the **RELEASE** end of the Pump.



5. When the Jack is fully lowered, release the **RELEASE** end of the pedal.

If there were issues, resolve the issues before beginning normal operation. Refer to **Troubleshooting** for additional information.

Operation


This section covers normal operation of your Rolling Jack.

Safety Rules


Important: Your safety is dependent on reading, understanding, and implementing these Safety Rules. ***Do not skip over them; read them carefully and follow them!***

To safely use your Rolling Jack:

- Always walk **around** the Rolling Jack when the Lift is raised.

 **WARNING** Never stand under or walk under a Rolling Jack when the Lift is raised, whether there is a Vehicle on the Rolling Jack or not.

- Check daily to make sure all Rollers are sitting correctly on the Utility Rail Lip. If one or more Rollers come off the Utility Rail Lip, it could fall.

 **DANGER** If you see any of the Rollers off the Utility Rail Lip or moving strangely, ***immediately move all persons away from the Lift and the Rolling Jack.*** Carefully lower the Lift to the ground and drive the Vehicle off. When the Lift is fully lowered, put the Rollers back onto the Utility Rail Lip, then make sure the Adjustment Bolts and the Safety Brackets are installed and operating correctly. ***Do not*** put the Rollers back onto the Utility Rail Lip from underneath the Rolling Jack.

- After moving or using your Rolling Jack, check to make sure the Rollers are sitting correctly on the Utility Rail Lip.

 **WARNING** Use care when using your Rolling Jack. If it falls when the Lift is raised, it can damage the Jack, the ground underneath, or cause significant injury to anyone underneath it. **We strongly recommend no one, ever, walk underneath your Rolling Jack when the Lift is raised.**

- Always keep the Utility Rail Channels clean. If there are liquid spills or debris, clean it up.
- Before lowering the Lift, check underneath it to make sure there are no obstructions on the ground **under** the Rolling Jack.
- Before driving a Vehicle onto the Lift, make sure the Rolling Jack is **fully** lowered and the Lift Pads are removed; you do not want the underside of the Vehicle to contact any part of the Jack.
- Before and after driving a Vehicle onto the Lift, check to make sure the Rollers are sitting correctly on the Utility Rail Lip.
- If a Vehicle accidentally knocks the Rolling Jack when being driven either onto or off of the Lift, the Jack may no longer be secure. Check to make sure the Rollers are sitting correctly on the Utility Rail Lip, the Adjustment Bolts and Safety Brackets are in place and operating normally, and the Rolling Jack is not damaged. ***If you find any of these situations, take the Jack out of service and fix the issues before resuming use of the Rolling Jack.***

Raising and Lowering

This section describes how to raise and lower your Rolling Jack.

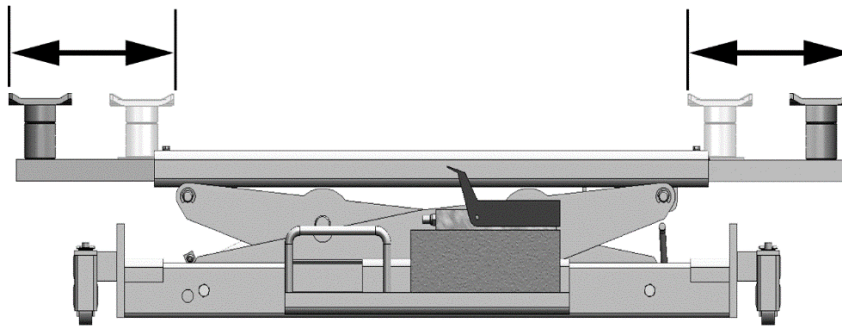
⚠ WARNING Do not begin work on the Vehicle until the Rolling Jack is engaged on a Safety Lock.

To raise a Vehicle on your Rolling Jack:

1. Make sure the arms of the Rolling Jack are fully lowered and the Lift Pads are removed so that they do not hit the underside of the Vehicle when the Vehicle is driven onto the Lift.
2. Drive the Vehicle onto the Lift.
3. Position the Tires of the Vehicle in the center of each Runway, then set the parking brake on the Vehicle and use a wheel chock to hold the Vehicle in position.
4. Verify nothing is in Utility Rail Channels that could obstruct the movement of the Rolling Jack.
5. Check the area to make sure everyone and everything is clear of the Lift and the Rolling Jack.

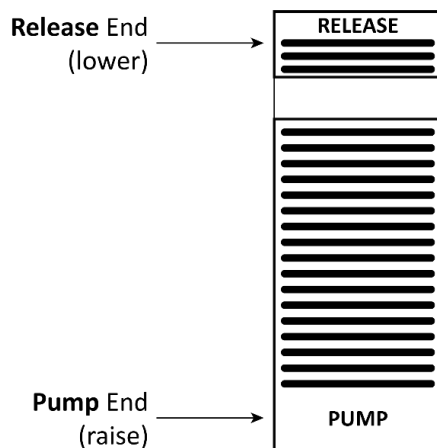
⚠ CAUTION Pay careful attention to overhead clearances.

6. Position the Adjustable Arms of the Rolling Jack so the Lift Pads are under the Vehicle's axles or contact the Vehicle manufacturer for recommended lifting points.



⚠ WARNING Make sure to raise the Vehicle on the axles or at the correct lifting points. ***Lifting at the wrong location could potentially damage the Vehicle and/or the Rolling Jack.***

7. Press and hold the **PUMP** end of the pedal to begin raising the Rolling Jack.

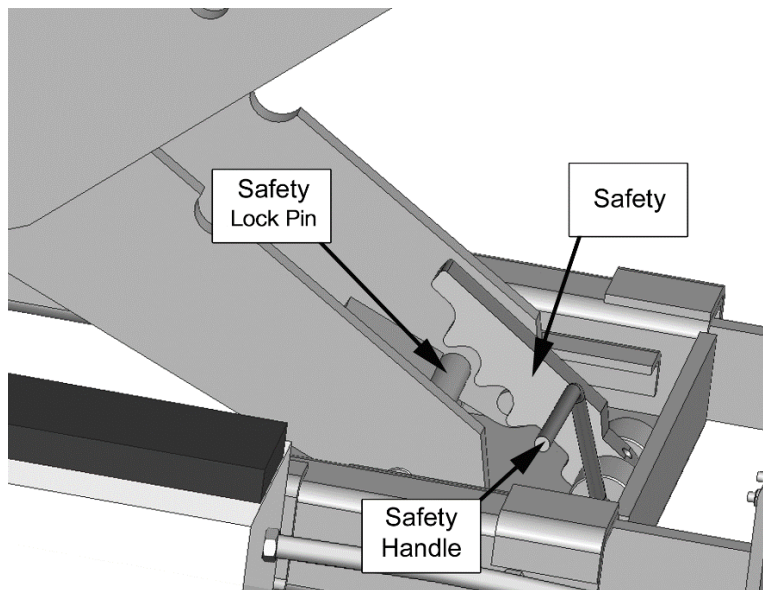


- When the Rolling Jack reaches the desired height, release the **PUMP** end, then press and hold the **RELEASE** end to lower the Rolling Jack onto the nearest Safety Lock.
- Release the **RELEASE** end of the pump when the Jack engages on the Safety Lock (it will stop moving down).

⚠ WARNING Do not begin work on the Vehicle until the Rolling Jack is engaged on a Safety Lock.

To lower a Vehicle:

- Check the area to make sure everyone and everything is clear of the Lift and surrounding area. Pay careful attention to overhead clearances.
- Press the **PUMP** end for about two seconds; this raises the arms a little, moving them off the Safety Locks.
- Pull the Safety Handle up out of the way, then press and hold the **RELEASE** end of the pedal.




- When the Jack is fully lowered, release the **RELEASE** end of the pedal.

Moving a Rolling Jack

Tips for moving a Rolling Jack:

- **Never** move a Rolling Jack if it has a Vehicle raised on it.
- The easiest way to move a Rolling Jack is to use its Moving Handle when the Lift is lowered and no Vehicle is on the Lift.
- If you know what Vehicle you are going to be raising, move the Jack(s) to where you think the axles or lifting points will be **before** driving the Vehicle onto the Lift.
- Before moving a Rolling Jack, make sure the Rollers are sitting correctly on the Utility Rail Lip or in the Utility Rail Channel, depending on model. Also, **make sure the Adjustment Bolts and Safety Brackets are installed and working correctly.**

 **WARNING** The safest way to move a Rolling Jack is when the Lift is fully lowered and no Vehicle is on the Rolling Jack or on the Lift. We strongly recommend only moving your Rolling Jack with the Lift fully lowered.

- **Do not ever stand or work under a Rolling Jack when the Lift is raised.**

Additional Operating Information

Keep the following in mind when operating your Rolling Jack:

- Check the weight of a Vehicle before attempting to lift it. Do not guess. Never exceed the rated load capacity of the Rolling Jack. Check for reduced rated capacity for Vehicles with shorter Wheelbases.
- Lift Pads must **always** be used; make sure they are correctly positioned under the axle of the Vehicle you are raising. Do not raise a load without the Lift Pads. Only the Lift Pads should touch the Vehicle.
- Visually inspect your Rolling Jack before each use. Do not use it if you find damage or severe wear. Make sure the Rollers are on or in the Utility Rails.
- Do not rock the Vehicle while it is raised or remove items that could cause excessive weight shift.
- Keep the Utility Rail Channels and Lips clean and free from debris.

Hydraulic Power System Warnings

 **WARNING** Failure to observe these precautions can result in serious personal injury, including, in rare cases, death.

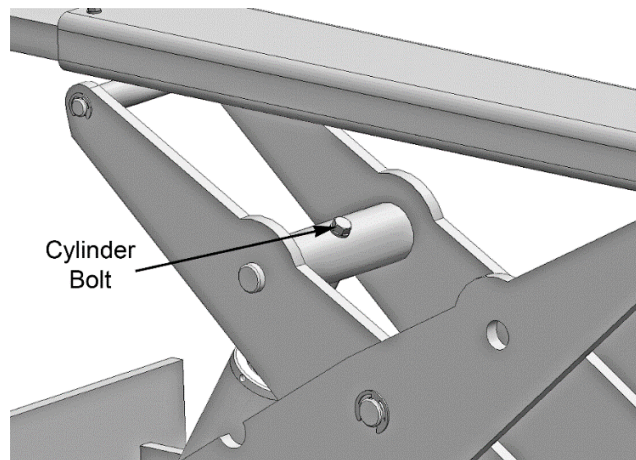
- The Air-Operated Hydraulic Pump must be correctly connected to the Rolling Jack before raising a Vehicle or applying air pressure.
- Do not attempt to connect or disconnect hoses while a Vehicle is raised or while the hydraulic system is under pressure.
- Guard against dirt getting into the Air-Operated Hydraulic Pump.
- When dealing with the Hydraulic Fluid, observe the safety instructions of the manufacturer.
- Use protective equipment (like safety goggles, protective gloves, suitable working clothes, safety boots, and so on) when dealing with the hydraulic system.
- If Hydraulic Fluid comes into contact with the eyes, gets into the bloodstream, or is swallowed, seek immediate medical attention.

Maintenance

⚠ WARNING: Before performing **any** maintenance, remove air pressure from the system, then disconnect the air pressure supply from the Air-Operated Hydraulic Pump.

To maintain your Rolling Jack:

- **Daily.** Keep the Rolling Jack clean; wipe up any spills. Do not let dirt get into the hydraulic system.
- **Daily.** Make a visual inspection of all moving parts and check for damage or excessive wear. Replace any damaged or worn parts before equipment is put back into operation.
- **Daily.** Make sure the Safety Locks are in good operating condition. Do not use your Rolling Jack if the Safety Locks are damaged, excessively worn, or out of place.
- **Daily.** Inspect Lift Pads for damage or excessive wear. Replace as required with Dannmar parts.
- **Weekly.** Lubricate all rollers with general purpose oil or WD-40.
- **Weekly.** Check all Hose connections, bolts, and pins to make sure they are properly mounted.
- **Weekly.** Lubricate the Safety Lock pivot points with general purpose oil or WD-40.
- **Weekly.** Check (and tighten, if necessary) the Cylinder Bolt.



- **Every other month.** Check the Air-Operated Hydraulic Pump fluid level and refill if required.
- **As needed.** Replace all caution, warning, and safety-related labels if illegible or missing.
- **As needed.** Reorder labels and worn or damaged parts from Dannmar.

To maintain Hydraulic Fluid:

1. Remove the Vented Fill Cap.
2. Insert a dipstick or piece of plastic into the tank until it hits the bottom.
3. Remove the dipstick or piece of plastic and measure the amount of fluid.
The Hydraulic Fluid level should be from 3.35 to 3.5 inches deep.
4. If the current level is below 3.35 inches, add Hydraulic Fluid until it is from 3.35 to 3.5 inches.
5. Replace the Vented Fill Cap.

Disposing of Hydraulic Fluid

Used Hydraulic Fluid cannot be thrown in the regular trash or dumped into the environment. This pollutes the environment and is illegal.

Instead, take it to a recycling center. Used/dirty Hydraulic Fluid can be cleaned and re-used.

Important: If your Hydraulic Fluid is **contaminated** (by being mixed with other fluids such as antifreeze, gasoline, or solvents), you must treat it like a hazardous waste and take it for disposal at an appropriate facility. Contaminated is different than used/dirty.

In summary:

- If you have dirty/used Hydraulic Fluid, take it to a fluid recycling center.
- If you have contaminated Hydraulic Fluid, take it to a hazardous waste collection facility.

If you do not know how to find an appropriate facility, go to earth911.com or look for resources in your state or local area.

Troubleshooting

This section describes how to troubleshoot your Jack.

Issue	Action to Take
Jack does not lift load.	Make sure load is not too heavy. Make sure Rolling Jack is getting appropriate air pressure from the air supply. Make sure the Air-Operated Hydraulic Pump has sufficient Hydraulic Fluid and the hose is connected to the Rolling Jack. Make sure dirt has not gotten into the hydraulic system. If it has, replace the Hydraulic Fluid and clean the hydraulic system.
Jack does not move along Utility Rail.	Make sure the Utility Rail Channels and Lips are clear of obstructions. Make sure the Rolling Jack is correctly situated on the Utility Rail Channel or Lip. Check with Danmar to make sure the Rolling Jack is installed on an approved Lift.
Jack raises load but does not stay up.	Make sure you engage the Rolling Jack onto a Safety Lock when the load is at the desired height. The Rolling Jack is meant to raise and lower loads; it is not designed to hold a load indefinitely unless the load is engaged on a Safety Lock. Make sure the Rolling Jack is not leaking Hydraulic Fluid.

If you continue to have issues with your Rolling Jack, take it out of service, then contact your dealer, go to dannmar.com/support, email support@dannmar.com, or call **1 (877) 432-6627**.

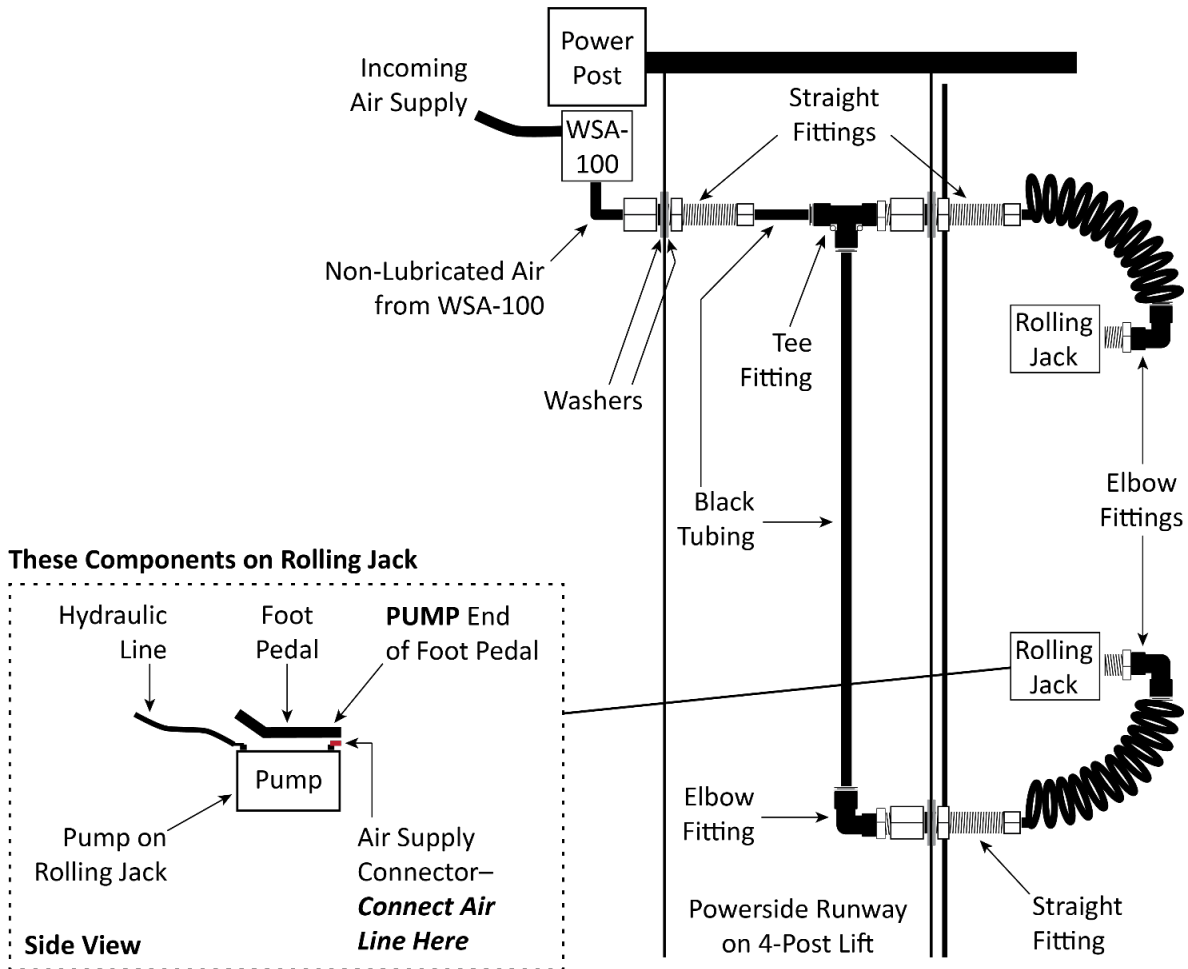
Accessories

Accessories available for the DJ Series of Rolling Jacks are described in this section.

Optional Air Line Kit

An Air Line Kit lets you easily route the customer-provided air source to the Rolling Jacks on your Danmar Four-Post Lift. One AK-14 Air Line Kit gives you the infrastructure for *two* Rolling Jacks.

The following drawing is a Top View of the **underside** of the Powerside Runway of a Four-Post Lift.



Visit [the website page for the Air Line Kit](#) for more information.

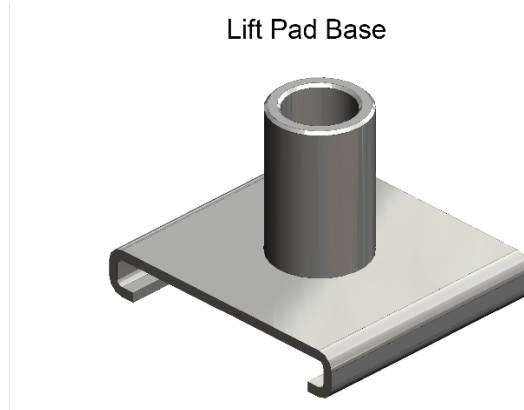
DJ-4500 Adapter Kit

The Specialty Adapter Kit is a four-piece kit that increases the capabilities of the DJ-4500 Rolling Jack by providing sliding adapters that mount on the main center tube.

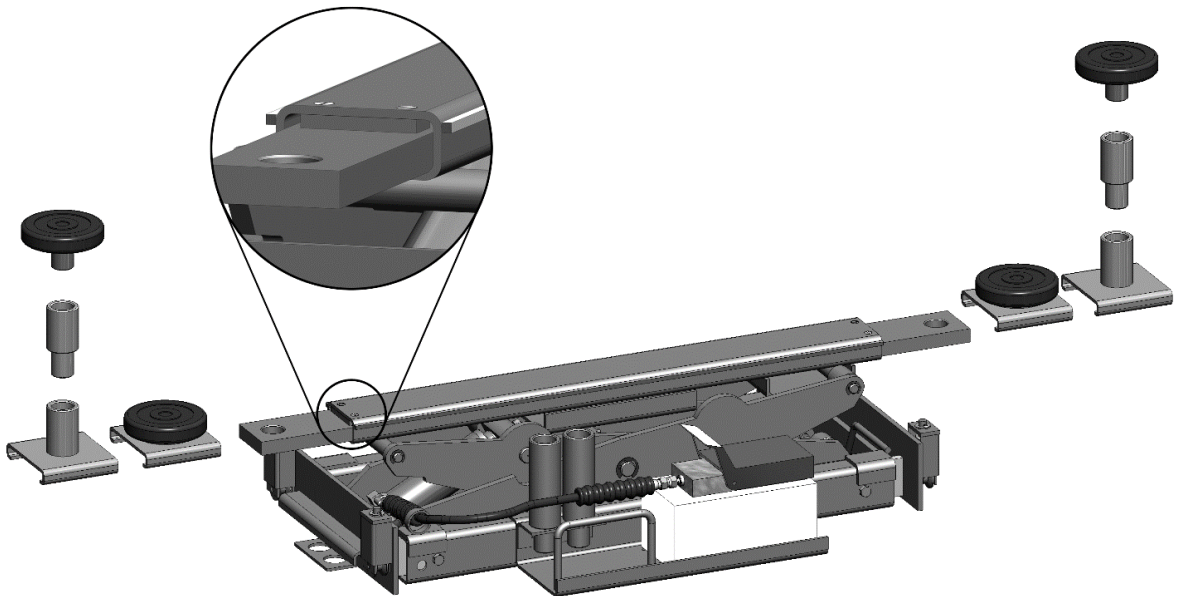
Note: This Adapter Kit *only works with the DJ-4500* Rolling Jack; it cannot be used with other models.

The Adapter Kit includes:

- Two low-profile sliding rubber contact pads
- Two sliding receivers that accommodate the standard DJ-4500 Lift Pads or stackable adapters



This image shows how to slide the adapters into place. You can adjust the positions of the adapters so that the Lift Pads make contact with the appropriate lifting points for the Vehicle you are lifting.



Visit [the website page for the Adapter Kit](#) for more information.

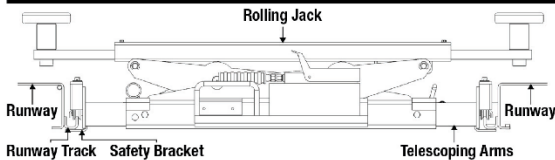
Labels

A

⚠ WARNING	<p>SERVICE REQUIREMENT EVERY 30-DAYS</p> <p>Keep entire jack and pump unit clean and free of debris. Lubricate both sides of all moving parts and pivot points on jack unit with multi-</p>	<p>purpose lithium based grease, penetrating oil or 30-wt gear oil. Use enough lubrication to properly maintain all moving parts, but avoid over application. Apply silicone lubricant to smaller items such as handles and lock hinges. Always promptly remove excess grease and debris from</p>	<p>jack unit and pump unit. If you choose to have this equipment serviced by a service technician, always perform a personal inspection of all points to be sure nothing was overlooked. Warranty will be void on this equipment if service maintenance is not performed on a regular basis.</p>	
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P/N # 5905482

B

⚠ WARNING-PLEASE READ
<p>Read and understand all instructions before using this jack. Adjust rolling jack telescoping ends until rollers rest securely on runway tracks as shown. NEVER use rolling jack unless Safety Bracket is installed. REMAIN CLEAR of elevated rolling jack unless visual confirmation is made that jack rollers are secure on runway racks. BE CAREFUL WHEN ADJUSTING ROLLING JACK OR LIFT RUNWAYS to prevent rolling jack from becoming separated from runway tracks. Failure to read, understand and follow these instructions may cause death or serious injury.</p>


P/N # 5905253

C

⚠ WARNING
<p>IMPROPER USE OF THIS ROLLING JACK MAY RESULT IN SERIOUS BODILY HARM!</p> <p>Always ensure that this rolling jack is positioned correctly on the runway rail assembly BEFORE raising the lift or working on or near the vehicle. KEEP HANDS CLEAR of all pinch points. NEVER use lift adapters other than those specifically designed for this jack.</p>

PN 5905190

D

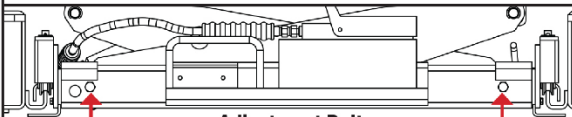
⚠ WARNING	
<p>USE DRY AIR SOURCE ONLY</p> <p>Warranty will be void on this equipment if water contamination is found apparent. ALWAYS drain air compressor tank daily or use in-line dryer.</p>	<p>The pump unit on this jack was not designed to be used as a load holding device, jack must be raised to a locked position at all times. The manufacturer recommends installing an automatic air line oiler in the air inlet line as close to the pumping unit as possible. Air pressure must be regulated to 125 P.S.I. MAX. Pump unit must be kept clean to prevent contamination and pressure loss.</p>
<p>SERVICE PARTS AND LABOR NOT COVERED UNDER WARRANTY IF RUST OR CORROSION IS PRESENT.</p>	

PN 5905196

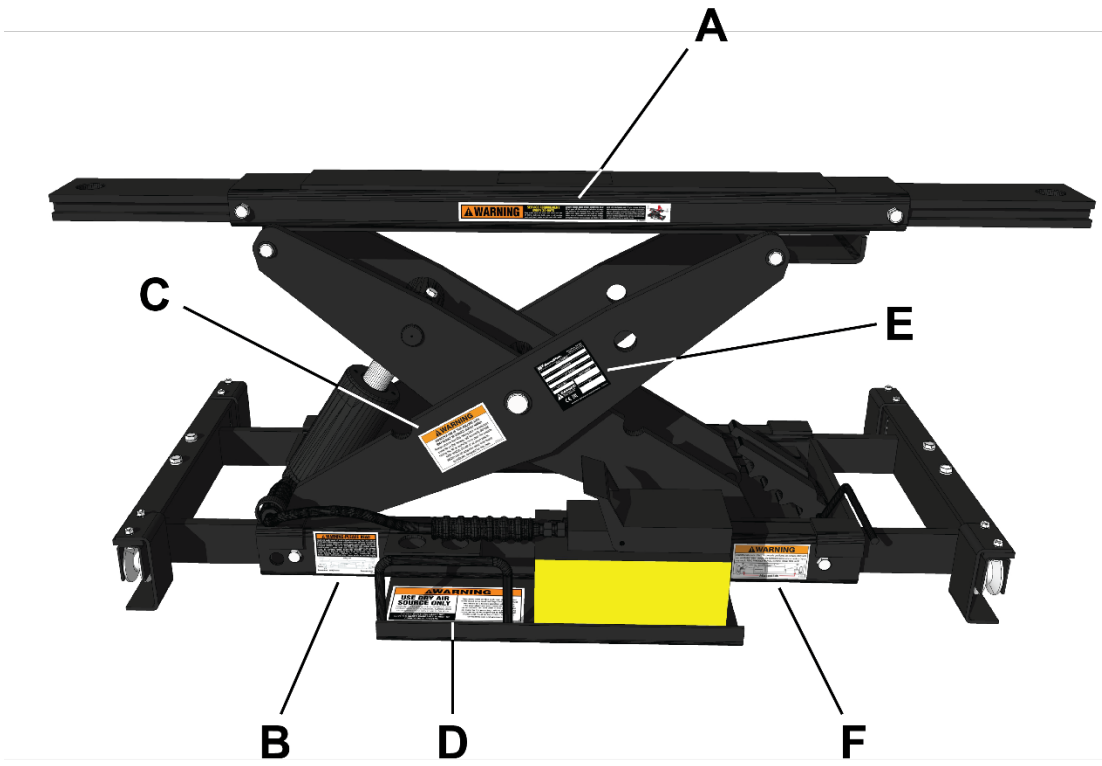
E

DANNMAR		Santa Paula, CA USA www.dannmar.com
MODEL NUMBER		
DESCRIPTION		
LIFT CAPACITY		
DATE CODE	SERIAL NUMBER	
⚠ DANGER! Disconnect Power Before Servicing		
CE EAC		
UPC		
MADE IN CHINA WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905705		

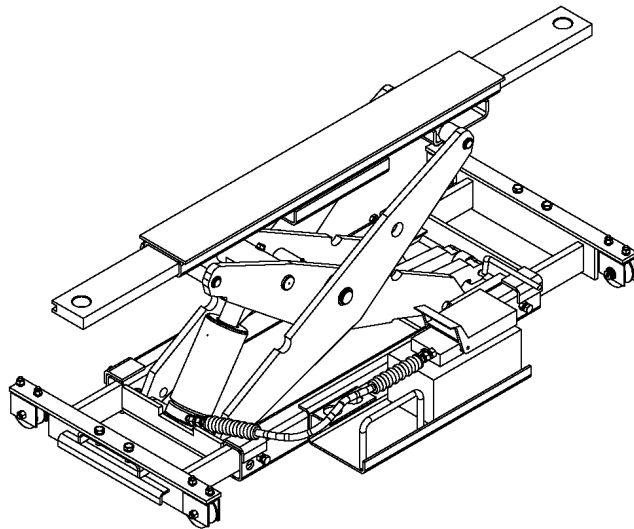
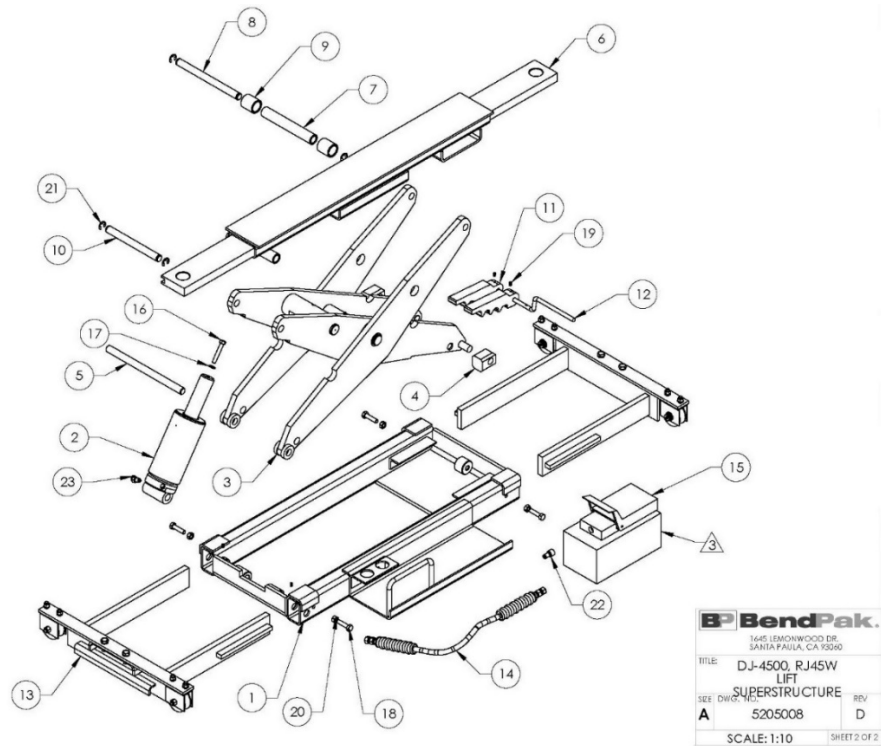
F

⚠ WARNING
<p>ALWAYS make sure rollers are properly positioned on runway utility rails and all ADJUSTMENT BOLTS are tightened before use or serious injury may result. READ PRODUCT MANUAL BEFORE USING THIS JACK.</p>


PN XXXXXX



Parts Sheets



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5601287	RJ45W MAIN BODY BASE WELDMENT	1	C
2	5502012	CYLINDER ASSEMBLY Ø3.0 x 4.375	1	E
3	5215809	RJ45W SCISSOR ASSEMBLY	1	B
4	5716045	RJ45W SCISSOR SLIDE BLOCK	2	A
5	5746374	RJW CYLINDER HINGE ROD	1	D
6	5215428	RJ45W EXTENSION ARM TUBE ASSEMBLY	1	F
7	5746377	RJW SCISSOR PIN ROLLER TUBE	1	C
8	5746376	RJW SCISSOR PIN	1	B
9	5746044	RJ45W SCISSOR CHANNEL SPACER	2	E
10	5746375	RJW SHORT SCISSOR PIN	1	B
11	5731039	RJW SAFETY LATCH	2	H
12	5701137	RJ45W SAFETY HANDLE	1	F
13	5215697	RJW BASE ARM SPRING ROLLER PLATE ASSEMBLY	2	E
14	5570806	RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS	1	E
15	5585732	AIR HYDRAULIC PUMP YELLOW RJ45W PSI:4600	1	B
16	5530132	HHB 3/8"-16 x 2-1/4" GR8/CL 10.9	1	--
17	5545130	WASHER 3/8" SL	1	--
18	5530302	HHB M10 x 1.5 x 40 FULLY THREAD	4	--
19	5530790	SSS M6 x 1 x 10 NL	4	--
20	5535998	NUT M10 x 1.5	4	--
21	5540109	E RING Ø16mm OD DIN 6799 0160	4	--
22	5550493	FTG RST-04 JIC x-06 NPT x .062 ID	1	--
23	5550038	FTG 45ELB-04 JIC x-04 NPT	1	--

DO NOT SCALE DRAWING

NAME	DATE
DRAWN TA	11/08/2018
CHECKED O	3/6/2020

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION

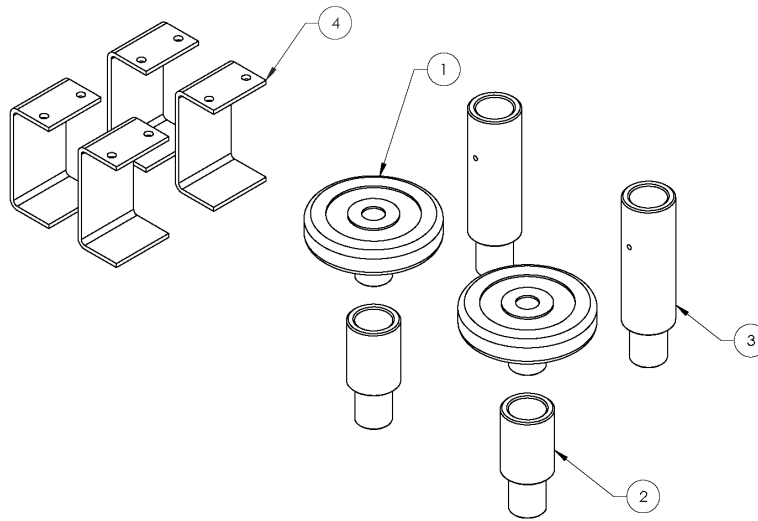
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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: DJ-4500, RJ45W LIFT SUPERSTRUCTURE

SIZE	DWG. NO.	REV
A	5205008	D

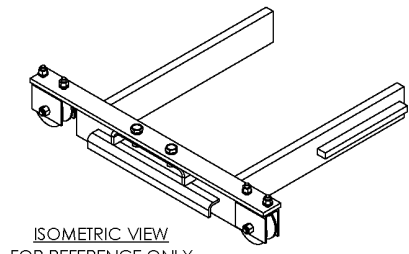
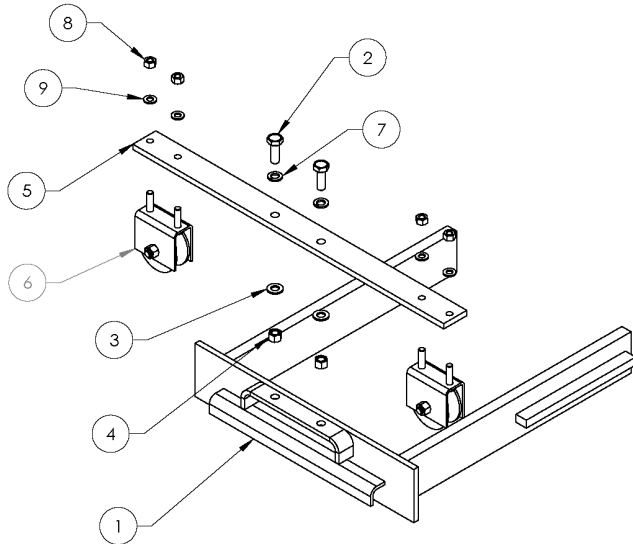
SCALE: 1:10 SHEET 1 OF 2



WHERE USED
DJ-4500
DJ-6000W
RJ-451P
RJ45W
RJ6W
RJ7W

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5215507	ROUND LIFT PAD ADAPTER ASSEMBLY	2	G
2	5746390	MEDIUM LIFT PAD EXTENSION Ø35 x 113mm	2	E
3	5746395	LONG LIFT PAD EXTENSION Ø35 x 182mm	2	D
4	5701543	RJW SPRING PLATE SAFETY BRACKET	4	D

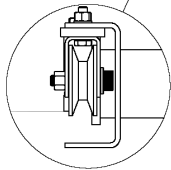
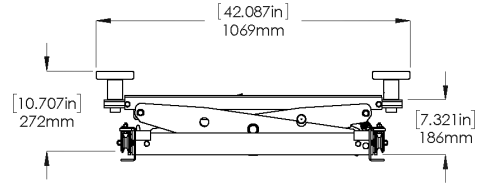
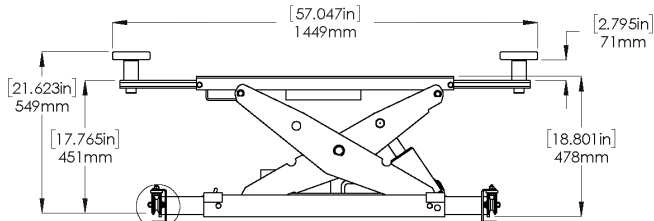
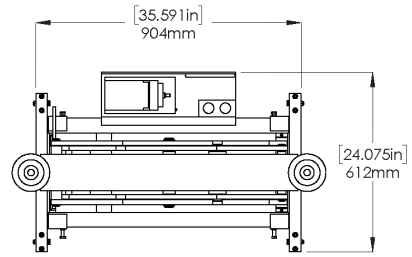
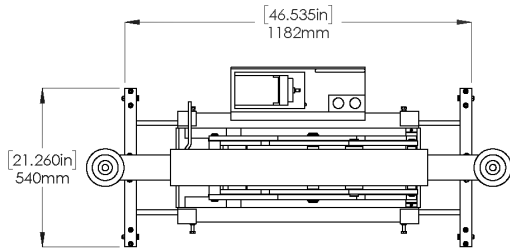
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DRAWN	TS	12/04/2018		
DIMENSIONS ARE IN MM		CHECKED		TITLE
		THIRD ANGLE PROJECTION		DJ-4500/6000W, RJW PARTS BOX
		SIZE	DWG. NO.	REV
		A	5250271	F
		SCALE: 1:4		SHEET 1 OF 1



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5620292	RJW BASE EXTENSION ARM SPRING ROLLER PLATE WELDMENT	1	C
2	5530021	HHB, M10 x 1.5 x 30	2	--
3	5545341	WASHER, M10 x Ø20 FLAT	2	--
4	5535013	NUT M10 x 1.5 NL	2	--
5	5737039	RJW SPRING PLATE	1	D
6	5210165	RJW ROLLER BRACKET ASSEMBLY	2	E
7	5545200	WASHER, M10 x Ø18 SL	2	--
8	5535001	NUT M8 x 1.25 NL	4	--
9	5545012	WASHER, M8x16x1.6mm FLAT	4	--

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN	TS	12/04/2017		
DIMENSIONS ARE IN MM		CHECKED	OR	03/04/2020
		THIRD ANGLE PROJECTION		TITLE
				RJW BASE ARM SPRING ROLLER PLATE ASSEMBLY
		SIZE	DWG. NO.	REV
		A	5215697	E
		SCALE: 1:6		SHEET 1 OF 1



DETAIL A
SCALE 1 : 4

RJ45W EXTENDED

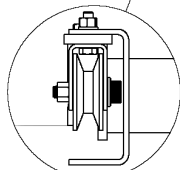
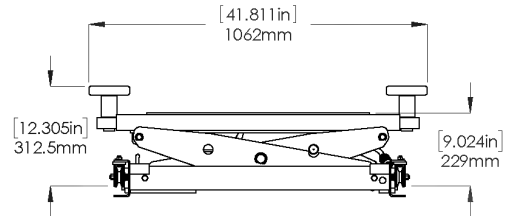
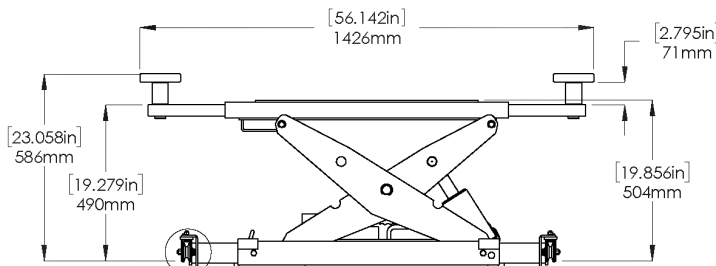
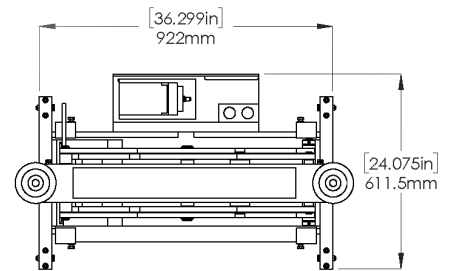
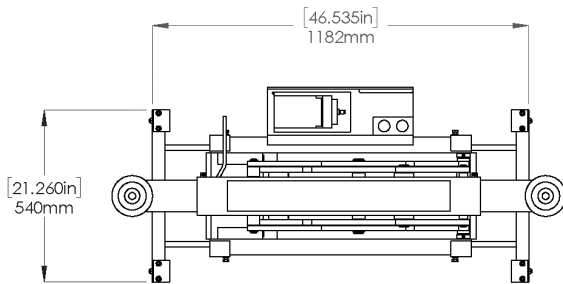
RJ45W COLLAPSED

BP BendPak.
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
DJ-4500 PRODUCTION
LIFT VER A

SIZE	DWG. NO.	REV
A	5260638	A

SCALE: 1:15 SHEET 2 OF 3



DETAIL A
SCALE 1 : 4

EXTENDED

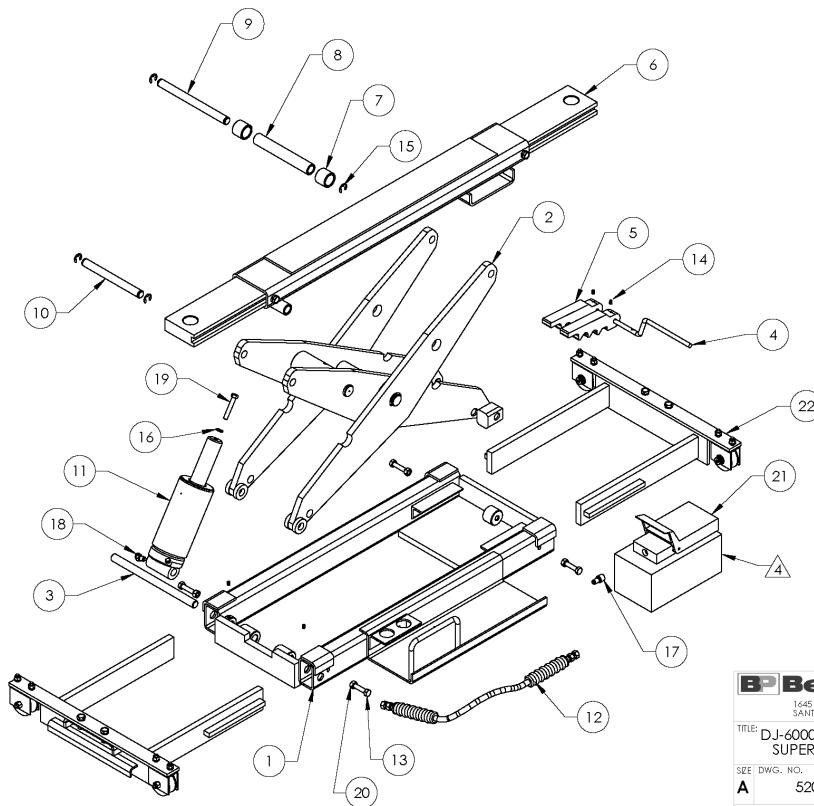
COLLAPSED

BP BendPak.
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
DJ-6000W PRODUCTION
LIFT VER A

SIZE	DWG. NO.	REV
A	5260639	C

SCALE: 1:15 SHEET 2 OF 3

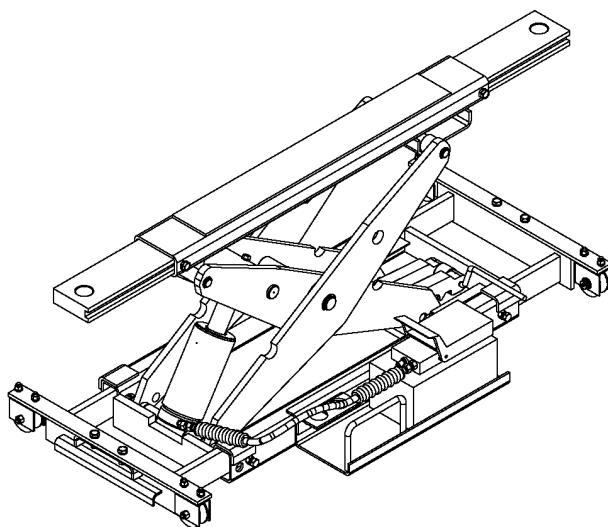


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 SANTA PAULA, CA 93060

TITLE: DJ-6000W, RJ7W LIFT SUPERSTRUCTURE

SEE DWG. NO.	REV
A 5205011	E

SCALE: 1:10 SHEET 2 OF 2



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601031	RJW MAIN BODY BASE WELDMENT	1	F
2	5215439	RJW SCISSOR ASSEMBLY	1	J
3	5746374	RJW CYLINDER HINGE ROD	1	D
4	5701136	DJ-6000W, RJ6W/7W/9W SAFETY HANDLE	1	G
5	5731039	RJW SAFETY LATCH	2	H
6	5210138	RJW EXTENSION ARM TUBE ASSEMBLY	1	C
7	5746378	RJW SCISSOR CHANNEL SPACER	2	B
8	5746377	RJW SCISSOR PIN ROLLER TUBE	1	C
9	5746376	RJW SCISSOR PIN	1	B
10	5746375	RJW SHORT SCISSOR PIN	1	B
11	5502012	CYLINDER ASSEMBLY Ø3.0 x 4.375	1	F
12	5570806	RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS	1	E
13	5530302	HHB M10 x 1.5 x 40 FULLY THREAD	4	--
14	5530790	SSS M6 x 1 x 10 NL	4	--
15	5540109	E RING Ø16mm OD DIN 6799 0160	4	--
16	5545130	WASHER 3/8" SL	1	--
17	5550493	FTG RST -04 JIC x -06 NPT x .062 ID	1	--
18	5550038	FTG 45ELB -04 JIC x -04 NPT	1	--
19	5530132	HHB 3/8"-16 x 2-1/4" GR8/CL 10.9	1	--
20	5535998	NUT M10 x 1.5	4	--
21	5585733	AIR HYDRAULIC PUMP YELLOW RJW7 PSI:7500	1	--
22	5215697	RJW BASE ARMS/SPRING ROLLER PLATE ASSEMBLY	2	E

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING ASSEMBLE ITEMS AS SHOWN
3. AIR HYDRAULIC PUMP MUST BE INSTALLED USING THE INCLUDED BOLTS

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DRAWN: TS DATE: 12/05/2018

CHECKED:

THIRD ANGLE PROJECTION

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 SANTA PAULA, CA 93060

TITLE: DJ-6000W, RJ7W LIFT SUPERSTRUCTURE

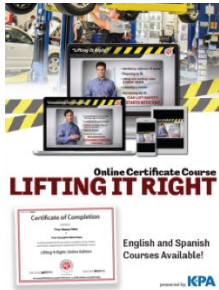
SIZE DWG. NO.	REV
A 5205011	E

SCALE: 1:10 SHEET 1 OF 2

Automotive Lift Institute (ALI) Store

You probably checked the [ALI's Directory of Certified Lifts](http://www.autolift.org/ali-directory-of-certified-lifts/) (www.autolift.org/ali-directory-of-certified-lifts/) before making your most recent Lift purchase, but did you know the **ALI Store** (www.autolift.org/ali-store/) offers a wide variety of professional, easy-to-use, and reasonably priced training and safety materials that will make your garage a safer place to work?

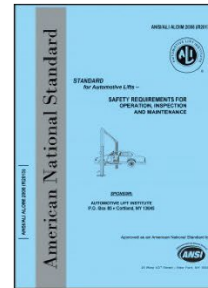
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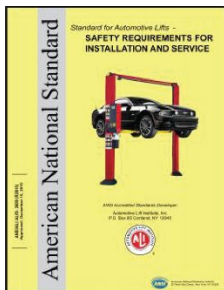
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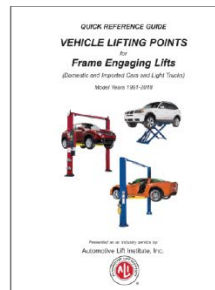
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ANSI/ALI ALOIM Standard for Automotive Lifts. Safety Requirements for Operation, Inspection, and Maintenance.



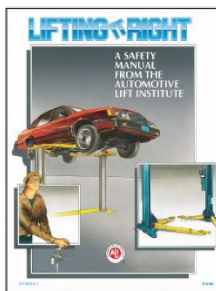
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