

# MoJack<sup>PRO</sup>

## Instructions for Assembly and Operation

Instrucciones de montaje y funcionamiento

Instructions pour l'Assemblée et de l'opération



 **MoJack<sup>TM</sup>**

GIVING MOWER MAINTENANCE A LIFT.

ELEVE EL NIVEL DE MANTENIMIENTO DE SU PODADORA.

ÉLÈVE LES NORMES EN MATIÈRE D'ENTRETIEN DES TONDEUSES.

[www.theMoJack.com](http://www.theMoJack.com) | 1-877-575-3173

## Introduction

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This manual contains assembly, parts, operating, maintenance, adjustment and safety instructions for your MoJack PRO lift.

**BEFORE USING YOUR MOJACK PRO, CAREFULLY READ THIS MANUAL IN ITS ENTIRETY.**

By following these operating, maintenance and safety instructions, you will prolong the life of your MoJack lift and promote safe operation.






















If additional information is needed, or should you require a trained service mechanic, contact your authorized MoJack equipment dealer or distributor.

All MoJack parts are thoroughly tested and inspected before leaving the factory to ensure that they comply with all relevant safety standards.

**NOTE:** Please save this manual for future reference.

## Warnings and Safety Instructions

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-  Read and understand all safety and operating instructions before using the MoJack PRO.
-  Never allow anyone unfamiliar with the safety or operating instructions to use the MoJack PRO.
-  Follow all safety and servicing instructions provided by the lawn mower's manufacturer before using the MoJack PRO.
-  Do not modify the MoJack in any way. Any modifications will void any and all warranties and could compromise your personal safety.
-  When using the MoJack PRO, keep ALL bystanders at a safe distance away from the MoJack PRO.
-  The MoJack PRO must be used on a solid level surface.
-  Do not lift the front end and the back end of the mower at the same time.
-  Do not use MoJack PRO lift for anything other than a mower, unless the proper accessory is used.
-  Always stop engine and remove key before beginning any work on the mower.
-  Never operate the mower's engine while using the MoJack PRO.
-  Do not exceed the lifting capacity of 750 lbs.
-  If the MoJack PRO Tower is leaning while lifting or lowering the mower, this indicates an overload condition. Remove the mower immediately.
-  Tower must be locked in place with the Tower Locking Pin before using the MoJack PRO.
-  Do not remove safety warnings or decals from MoJack PRO.
-  Before each use, always check for any worn, loose or damaged parts on the MoJack PRO. If any damaged parts are present, do not use the MoJack PRO and contact MoJack at 1-877-575-3173.
-  Do not climb on mower while it is lifted, being lifted or being lowered.
-  No one should be on the mower while it is lifted, being lifted or being lowered.
-  After the mower is raised to a working height, always place wheel chocks (not included) behind the back tires of the mower.
-  Wheel Pads must be equal distance from the Lift Arm to maintain proper balance.
-  Remove all mower attachments before using the MoJack PRO.
-  Failure to follow these warnings may result in property damage and serious bodily injury or death.

**IMPORTANT:** The MoJack PRO is intended for use with riding lawn mowers and riding lawn tractors only. Do not exceed 750 lbs. It should never be used to service other types of machinery unless there is an approved MoJack accessory fitted for the type of machinery. Accessories are available for snowmobiles and walk-behind lawn mowers. Please consult your local MoJack dealer or distributor.

## Warranty and Returns

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### LIMITED WARRANTY

For two years for residential use and one year for commercial use MoJack warrants the product against failure due to defect in material or workmanship when product is used properly. MoJack will replace any defective part at no cost. This warranty does not cover any product that has been altered or adjusted, or any product that has been misused or abused. THIS IS THE CUSTOMER'S SOLE AND EXCLUSIVE REMEDY. MOJACK DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MOJACK SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES OR PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF THE IMPLIED WARRANTIES OR THE REMEDIES FOR BREACH OF THE IMPLIED WARRANTIES, SO THESE EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

### What does this warranty cover?

This warranty covers against a failure due to a defect in material or workmanship within two years of purchase for residential use and within one year of purchase for commercial use.

### What does this warranty NOT cover?

This warranty does not cover any MoJack which has been altered or adjusted in any way from its original model. It will not cover any MoJack which has been damaged due to misuse, abuse, accident or negligence. This warranty does not cover incidental or consequential damages.

### What is the period of coverage?

Two-year warranty for residential use, one-year for commercial use from date of purchase for the original owner.

### What will MoJack do to correct problems?

We will replace any defective part (within the coverage period) at no charge.

### How can I get service?

In order to be eligible for service under this warranty you MUST register your MoJack within thirty (30) days of purchasing. You must keep your receipt as proof of date of sale. You can register your new MoJack on our website at [www.themojack.com](http://www.themojack.com) or by calling our toll-free number 1-877-575-3173.

### How do I contact MoJack about a warranty issue?

You can contact us from our website at [www.themojack.com](http://www.themojack.com) or by calling our toll-free number 1-877-575-3173.

### Do I have other rights under State Law?

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### What is the return policy?

Within thirty (30) days of the date that you receive your MoJack. Please contact MoJack for return policies and procedures at our toll-free number 1-877-575-3173 or by email at [info@themojack.com](mailto:info@themojack.com).

### How do I make a return?

Contact us within the return period. We will issue you a Return Merchandise Authorization (RMA) to place on the outside of the box. All merchandise must be shipped back in its original packaging. We will make arrangements for the MoJack to be picked up by a national carrier.

### In what form will I receive my refund?

This is at our discretion. If receiving a refund, please allow four weeks for the credit to process to your account. Return service fees will be deducted from the amount of the refund.

### Are shipping charges refundable?

No.

### Does MoJack have a return service fee policy?

Yes. Returns and refunds impose an extra workload on our parts. Rather than pass this cost on to the customer through higher product prices, we are consistent with others within our industry by requiring nominal service fees in the event of returns. The service fee is 20%.

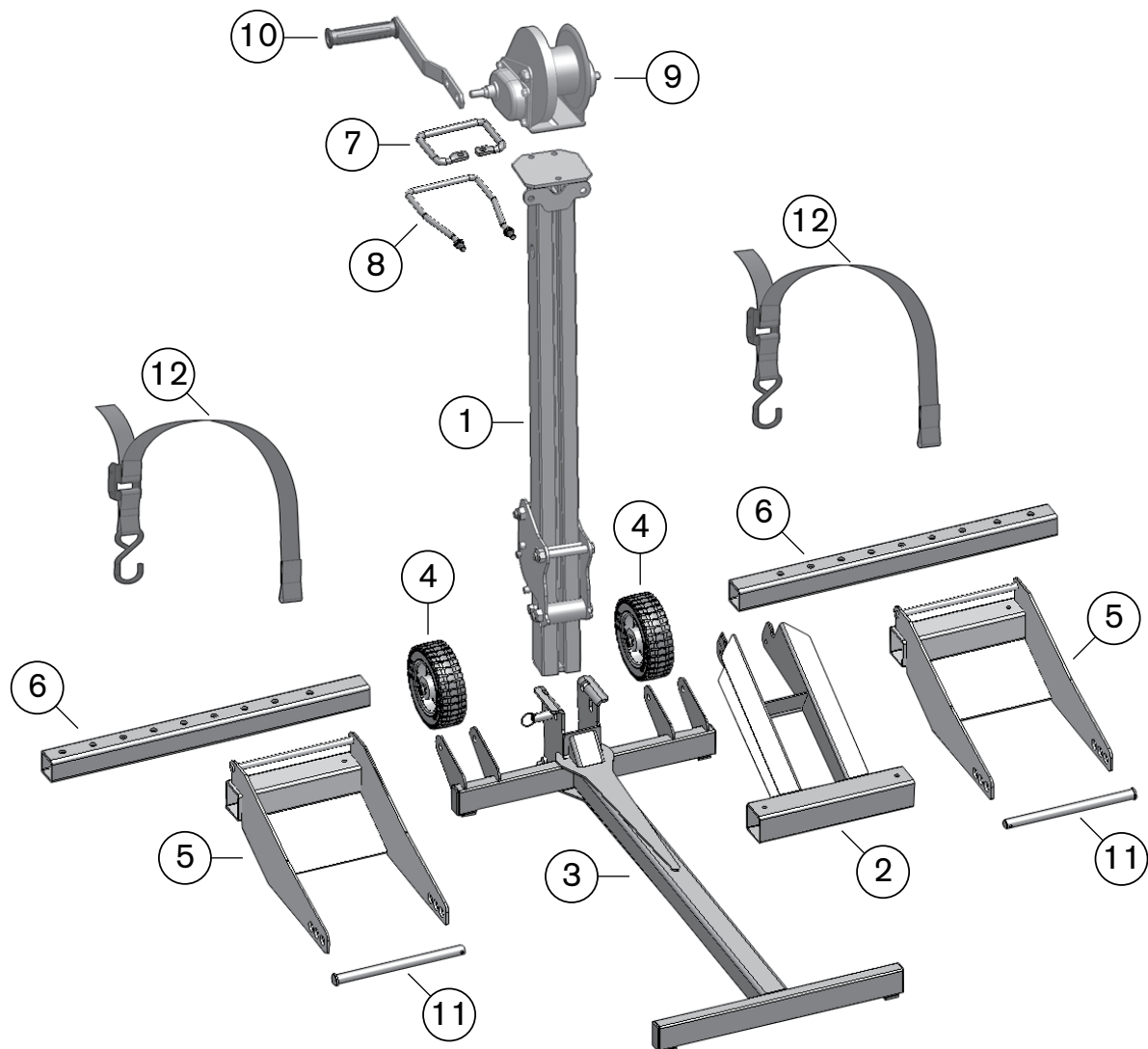
### How do I contact MoJack?

You can call our toll-free number 1-877-575-3173 or by email at [info@themojack.com](mailto:info@themojack.com).

## Parts List

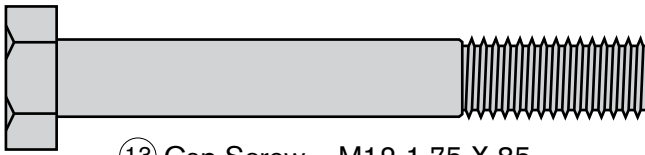
Item No.	Qty.	Description
①	1	Tower
②	1	Lift Arm
③	1	Base
④	2	Wheel
⑤	2	Wheel Pad
⑥	2	Lift Arm Insert

Item No.	Qty.	Description
⑦	1	Grip Handle
⑧	1	Ratchet Release Handle
⑨	1	Winch
⑩	1	Winch Handle
⑪	2	Support Rod
⑫	2	Safety Strap



## Hardware List

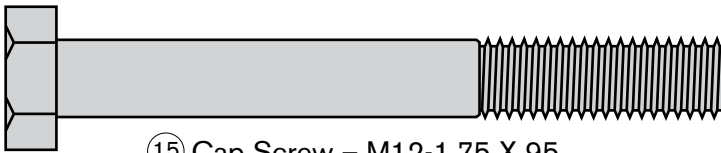
Item No.	Qty.	Description	Item No.	Qty.	Description
⑬	2	Cap Screw – M12-1.75 x 85	⑲	1	Winch Handle Washer – 12mm
⑭	4	Nylock Nut – M12-1.75	⑳	1	Clevis Pin
⑮	1	Cap Screw – M12-1.75 x 95	㉑	4	Push Pin
⑯	3	Cap Screw – M10-1.5 x 30	㉒	3	Hair Pin
⑰	5	Nylock Nut – M10-1.5	㉓	1	Cap Screw – M14-2.0 x 100
⑱	3	Winch Washer – 10mm	㉔	1	Nylock Nut – M14-2.0



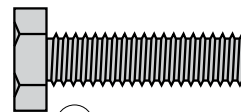
⑬ Cap Screw – M12-1.75 X 85



⑭ Nylock Nut – M12-1.75



⑮ Cap Screw – M12-1.75 X 95



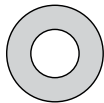
⑯ Cap Screw – M10-1.5 X 30



⑰ Nylock Nut – M10-1.5



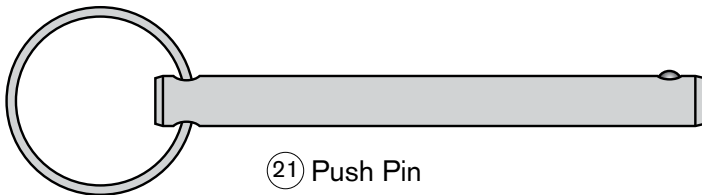
⑱ Winch Washer – 10mm



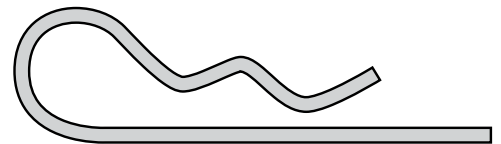
⑲ Winch Handle Washer – 12mm



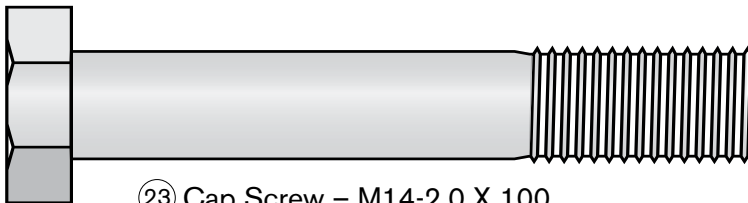
⑳ Clevis Pin



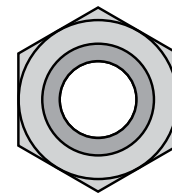
㉑ Push Pin



㉒ Hair Pin

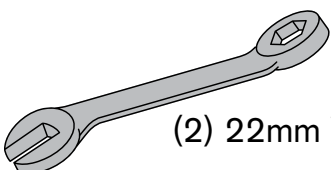


㉓ Cap Screw – M14-2.0 X 100

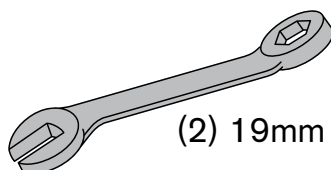


㉔ Nylock Nut – M14-2.0

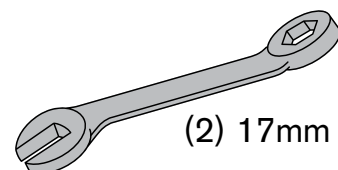
## Tools Needed for Assembly



(2) 22mm Wrench



(2) 19mm Wrench



(2) 17mm Wrench

# Assembly Instructions

## STEP 1

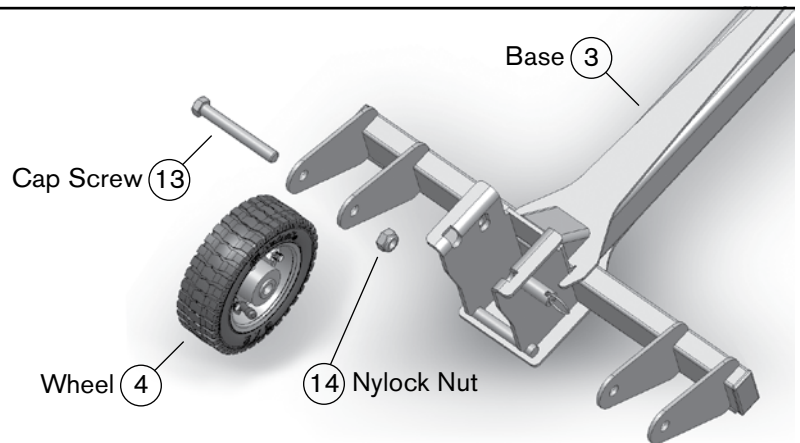
Remove MoJack PRO from package.

Inventory items to be certain all parts and hardware are present. If any parts or hardware are missing, please contact MoJack at 1-877-575-3173 or email us at [parts@themojack.com](mailto:parts@themojack.com).



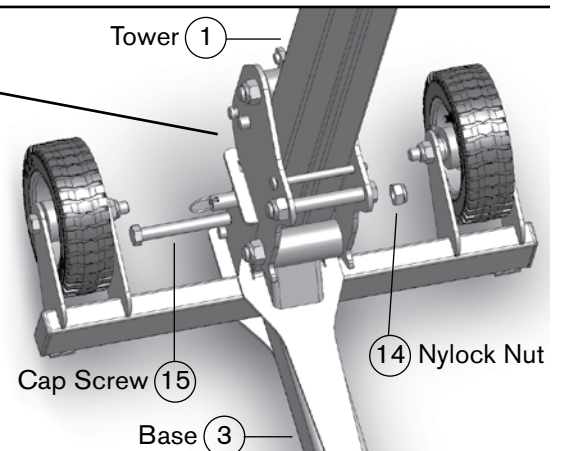
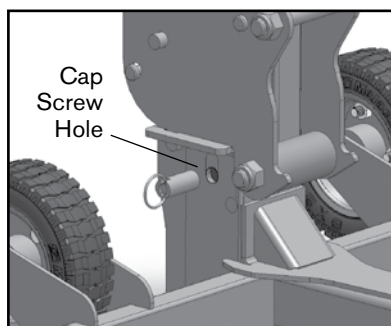
## STEP 2

Assemble the Wheel (4) to the Base (3) by inserting Cap Screw (13) and Nylock Nut (14) and tighten. Repeat with second Wheel.



## STEP 3

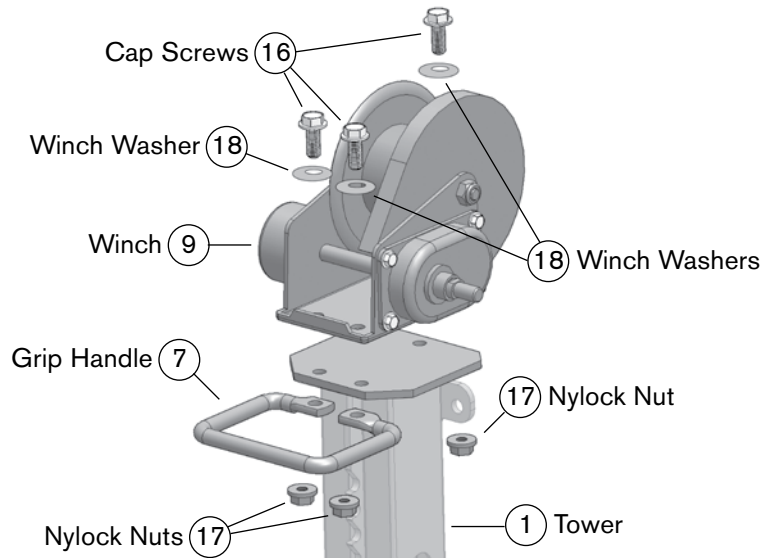
Attach the Tower (1) to the Base (3) using Cap Screw (15) and Nylock Nut (14) as shown.



## Assembly Instructions

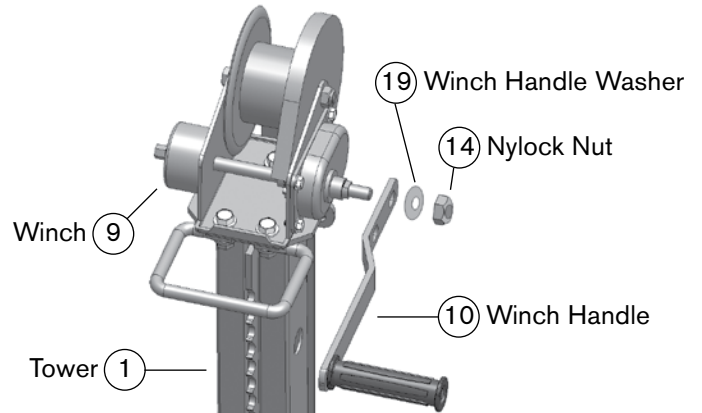
### STEP 4

Attach the Winch (9) and Grip Handle (7) to the Tower (1) using Cap Screws (16), Nylock Nuts (17) and Winch Washers (18), and tighten as shown.



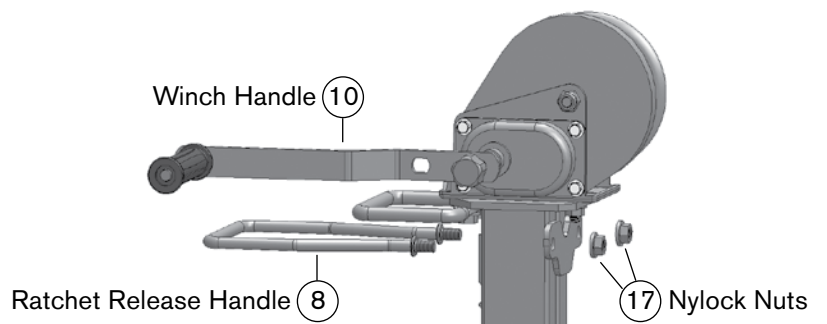
### STEP 5

Attach Winch Handle (10) to Winch (9) using Nylock Nut (14) and Winch Handle Washer (19) and tighten as shown.



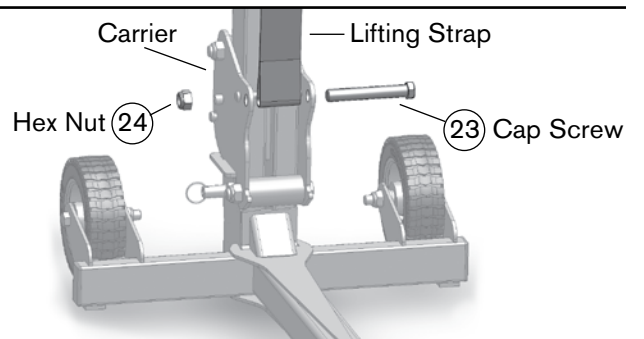
### STEP 6

Attach the Ratchet Release Handle (8) to the top of the Tower (1) using Nylock Nuts (17) and tighten as shown.



### STEP 7

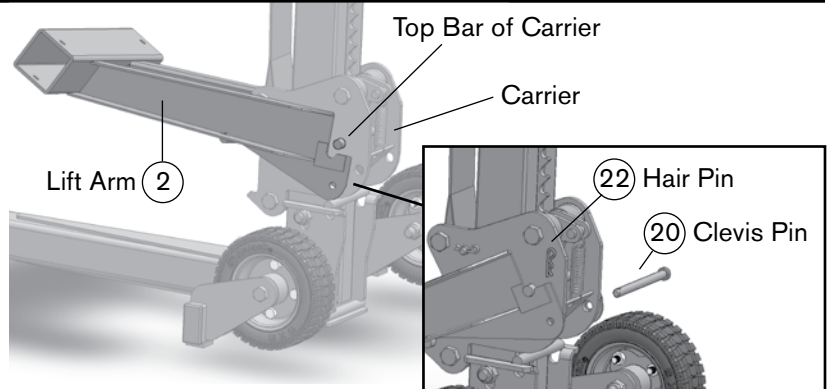
Attach Lifting Strap from Winch Spool to the Carrier using Cap Screw (23) and Nylock Nut (24) and tighten as shown.



## Assembly Instructions

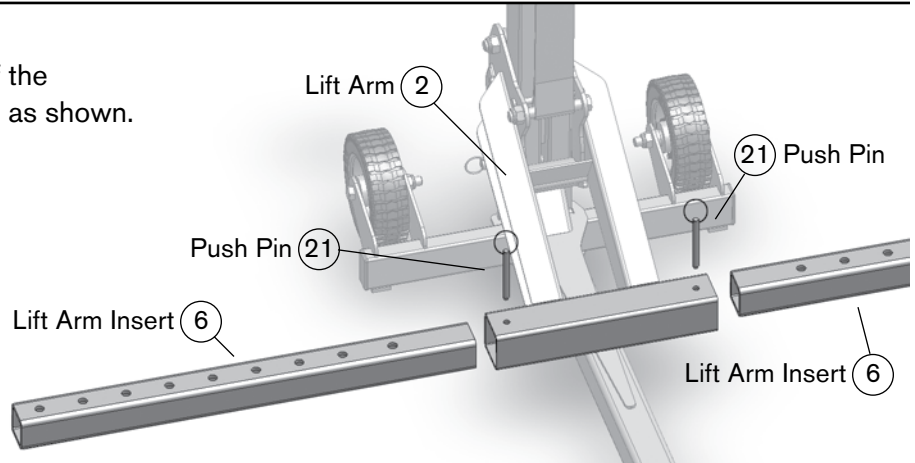
### STEP 8

Hang the Lift Arm (2) on the Carrier by hooking the slotted area of the Lift Arm under the top bar of the Carrier. Lift Arm must be inserted from the front and then lowered which fastens Lift Arm into place. Insert Clevis Pin (20) through the hole in the Carrier and lock by fastening the Hair Pin (22) to the Clevis Pin.



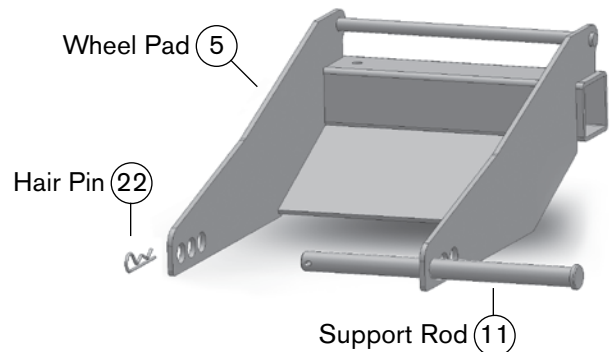
### STEP 9

Slide Lift Arm Inserts (6) into both sides of the Lift Arm (2) and secure with Push Pins (21) as shown.



### STEP 10

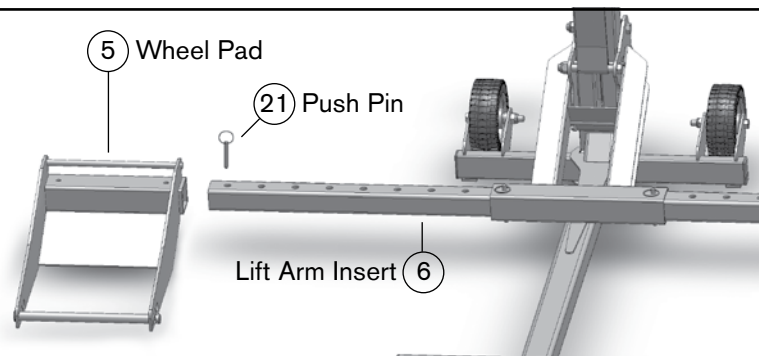
Ready the Wheel Pads (5) for installation by adding Support Rods (11) and Hair Pins (22).



### STEP 11

Slide the Wheel Pads (5) onto both sides of the Lift Arm Inserts (6) and secure with Push Pins (21).

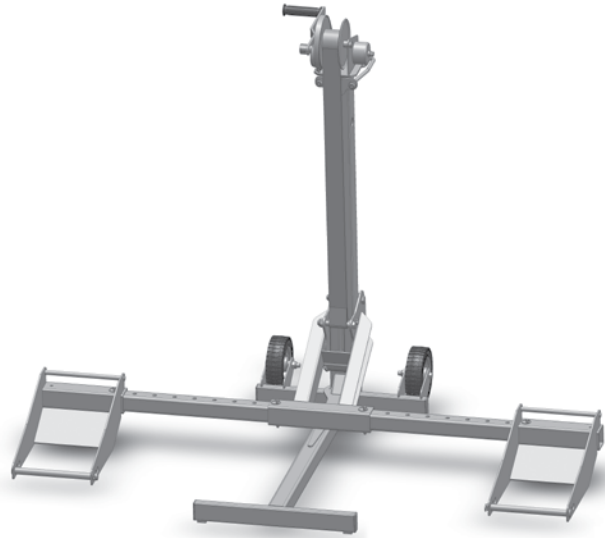
**Note:** The Wheel Pads can be moved in or out to fit different mower widths. Use the configuration that works best with your model of lawn mower.




**THIS COMPLETES ASSEMBLY.**

## Operating Instructions

**Some steps of the Operating Instructions are repeated from the Assembly Instructions. The Operating Instructions will show a full working cycle of the MoJack PRO.**



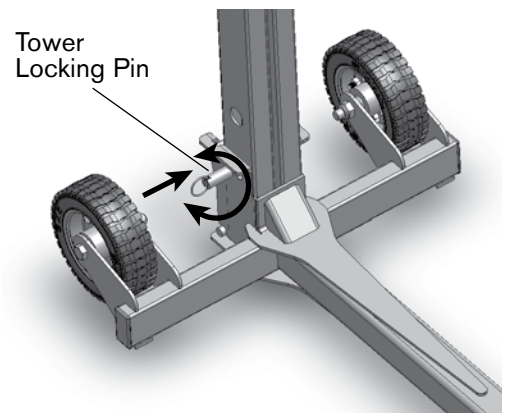
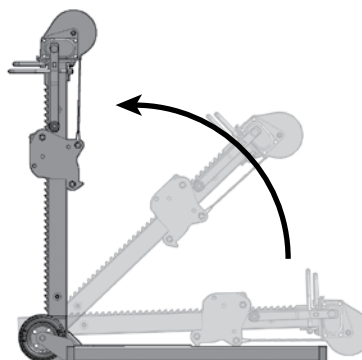
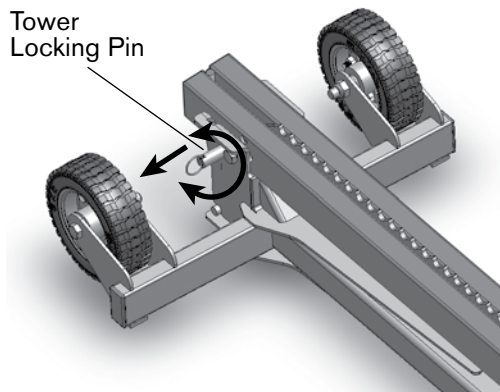
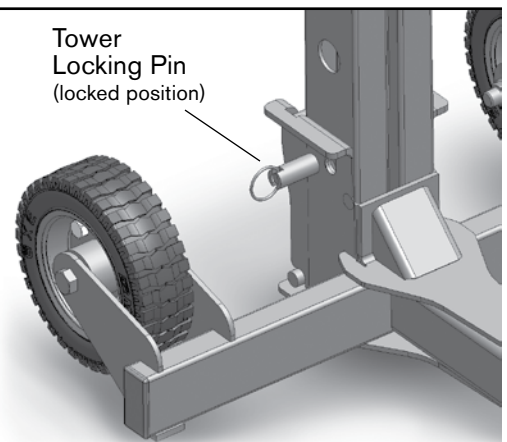
 Before using the MoJack PRO, carefully read this manual in its entirety.

### Preparing the MoJack PRO for Use (Steps 1 - 8)

#### STEP 1

##### Unfolding MoJack PRO

- Pull and rotate Tower Locking Pin 90 degrees to the unlocked position.
- Raise the Tower by pulling up on the Grip Handle. Once the Tower is in the vertical position, lift up on the Grip Handle and drop the Tower into the Base.
- Lock the Tower into place by rotating Tower Locking Pin until the pull ring retracts into the locking slot.

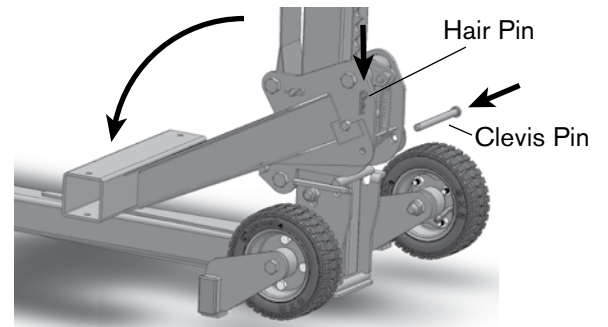
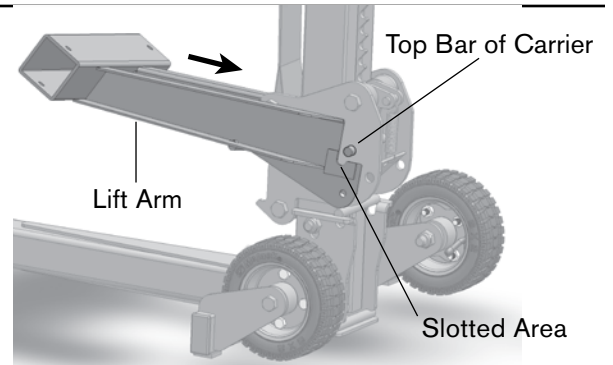


# Operating Instructions

## STEP 2

### Installing Lift Arm

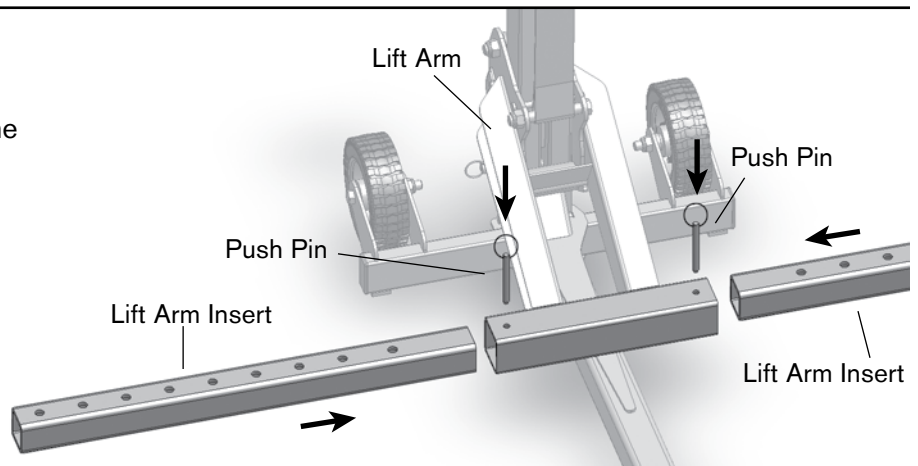
- Hang the Lift Arm on the Carrier by hooking the slotted area of the lift Arm under the top bar of the Carrier. Lift Arm must be inserted from the front and then lowered which fastens Lift Arm into place.
- Secure Lift Arm to Carrier with Clevis Pin and Hair Pin.



## STEP 3

### Installing Lift Arm Inserts

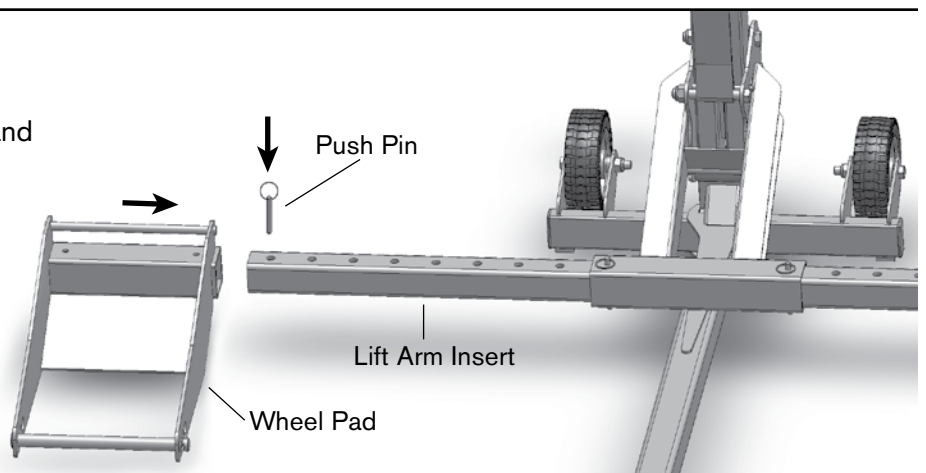
- Slide Lift Arm Inserts into both sides of the Lift Arm and secure with Push Pins.



## STEP 4

### Installing Wheel Pads

- Slide Wheel Pads onto Lift Arm Inserts and temporarily secure with Push Pins.

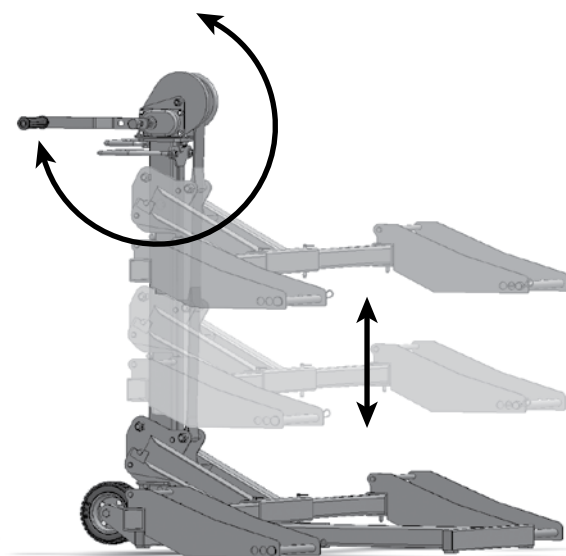


# Operating Instructions

## STEP 5

### Familiarize Yourself with the MoJack PRO

- Practice raising and lowering the Lift Arm before attempting to lift the mower. (see Steps 9-16 on how to raise and lower the Lift Arm)
- Practice Step 21 if you intend to raise or lower the mower with the drill attachment.

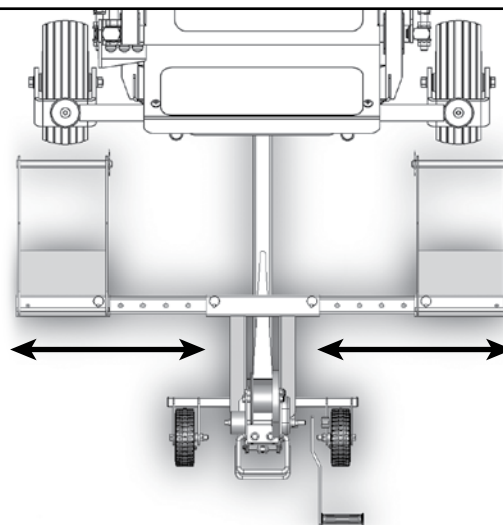


## STEP 6

### Aligning Wheel Pads to Fit the Mower

- Place the front tires of mower 6" in front of the Wheel Pads.
- Remove Push Pins and align the Wheel Pads so that the front mower tires will be centered on the Wheel Pads.
- Replace the Push Pins to lock the Wheel Pads to the Lift Arm.

**⚠** Wheel Pads must be equal distance from the Lift Arm to maintain proper balance.



## STEP 7

### Adjusting Support Rods for Proper Tire Size

- Adjust Support Rods on Wheel Pads to accommodate the front tire size of the mower. Please refer to the chart below for proper Support Rod placement based on the diameter of the mower's front tires.
- Secure Support Rods to Wheel Pads with Hair Pins.

#### SUPPORT ROD GUIDE FOR TIRE SIZES

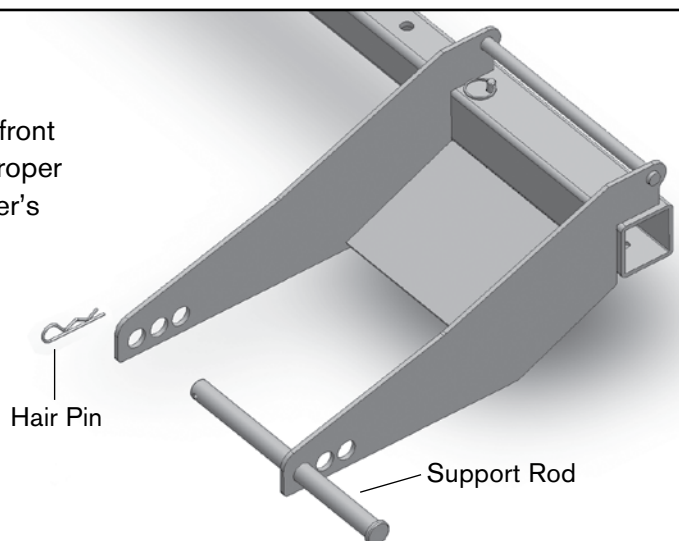
10" - 11.5" (25cm - 29cm)

12" - 15" (30cm - 38cm)

15.5" - 17" (39cm - 44cm)



See page 19 for more more detailed guide.

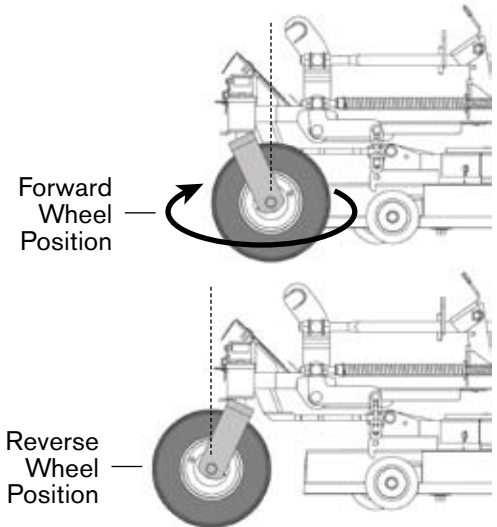


# Operating Instructions

## STEP 8

### Reverse Front Tires of Mower *(optional – if not applicable, skip to Step 9)*

- In some cases, the mower deck or anti-scalping wheels will hit the Lift Arm while the mower is being raised. This is often the case if part of the deck (including the anti-scalping wheels) protrudes past the center line of the front wheels of the mower.
- Rotate the front tires 180° so that they are in the reverse position.
- Remove the Support Rods from the Wheel Pads and slide the MoJack PRO underneath the mower.
- Secure the Support Rods to Wheel Pads with Large Hair Pins.

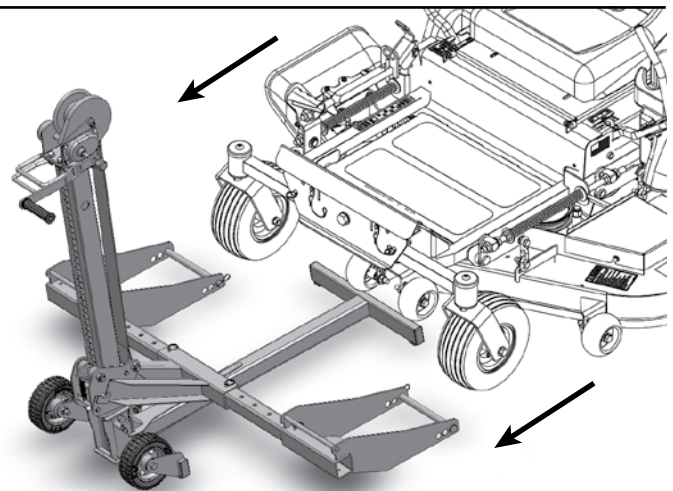


## Using the MoJack PRO (Steps 9 - 16)

### STEP 9

#### Move Mower onto MoJack PRO

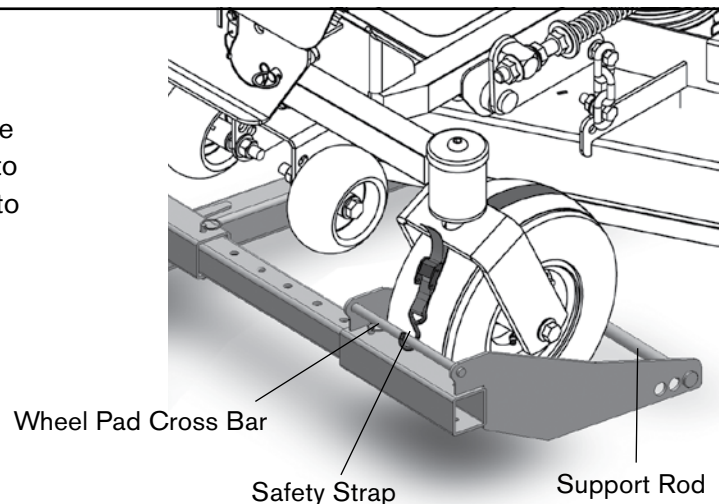
- ⚠ The MoJack PRO must be used on a solid level surface.
- Drive or roll the mower onto the Wheel Pads.
- ⚠ Stop engine and remove the key.



### STEP 10

#### Strapping Front Mower Tires to Wheel Pads

- Secure the front mower tires to the Wheel Pads using the Safety Straps (14). Secure the hook on the Safety Strap to the Wheel Pad Cross Bar and insert the Support Rod into the loop on the Safety Strap by detaching the Support Rod and then sliding the Safety Strap Loop through and reattaching the Support Rod.
- Tighten the Safety Straps over the top of the tires to secure mower to Wheel Pads.

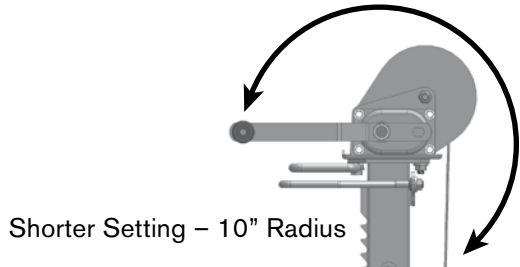
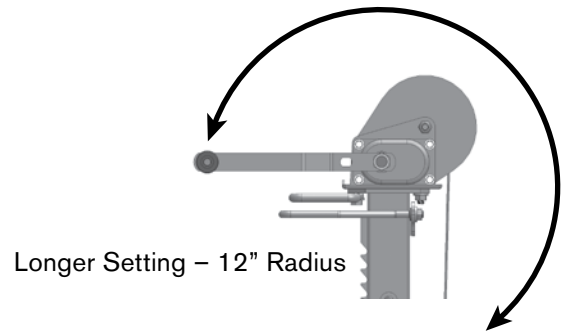
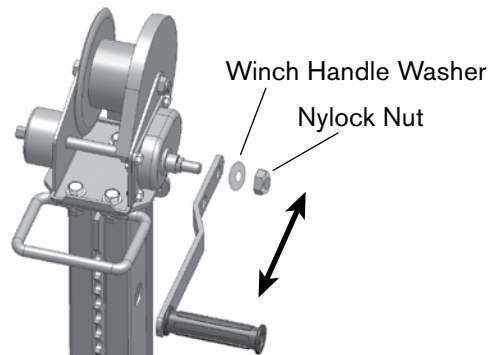


# Operating Instructions

## STEP 11

### Adjusting the Winch Handle *(optional)*

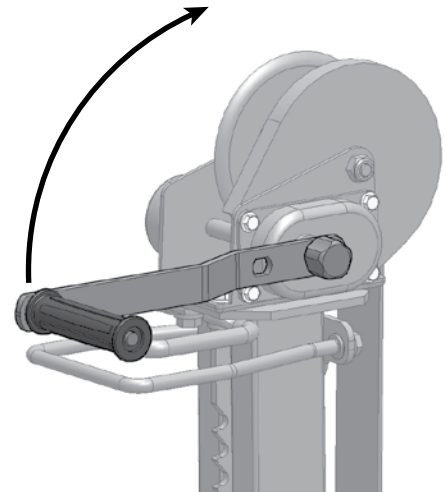
- The optimal Winch Handle length is in the longer setting. Some mowers have brush guards or larger hoods that interfere with the longer Winch Handle. The Winch Handle can be adjusted by removing the Nylock Nut and Winch Handle Washer and re-attaching in the shorter setting.



## STEP 12

### Raising the Mower

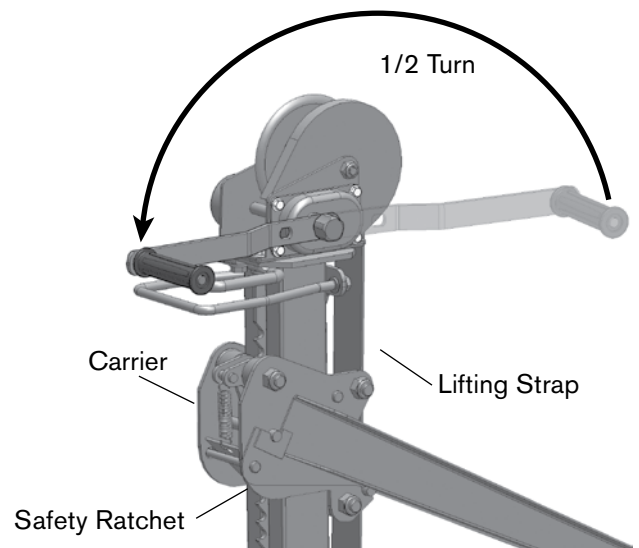
- Raise the mower by rotating the Winch Handle clockwise.
- See Step 21 for raising the mower with drill attachment.
- ⚠ Do not attempt to lift more than 750 lbs.
- ⚠ The MoJack PRO must be used on a solid level surface.
- ⚠ The engine must be turned off and key removed.
- ⚠ The mower must be in neutral.
- ⚠ The parking brake must be off when raising and/or lowering the mower.
- ⚠ The Safety Straps must be firmly tightened.



## STEP 13

### Locking Carrier into the Safety Ratchet

- As the Carrier raises, the clicking sound indicates that the Safety Ratchet is functioning properly. Once the mower is at the desired working height, rotate the Winch Handle counterclockwise 1/2 turn to release the tension off of the Lifting Strap and allowing the Carrier to rest firmly on the Safety Ratchet.

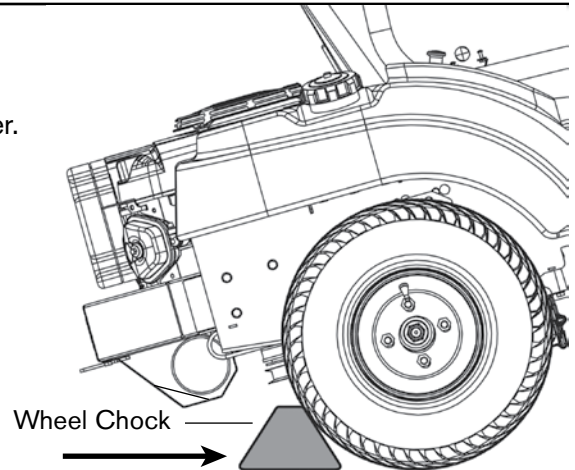


# Operating Instructions

## STEP 14

### Preparing the Mower for Service

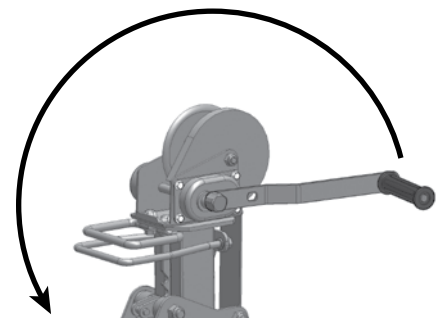
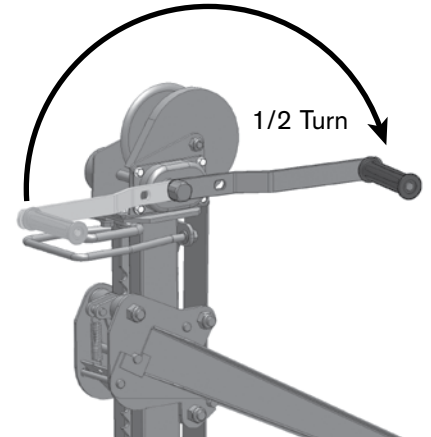
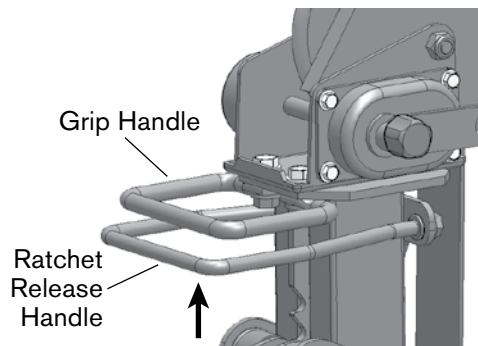
- Place wheel chocks (not included) behind the back tires of the mower.
- Now apply the parking brake on the mower.



## STEP 15

### Lowering the Mower

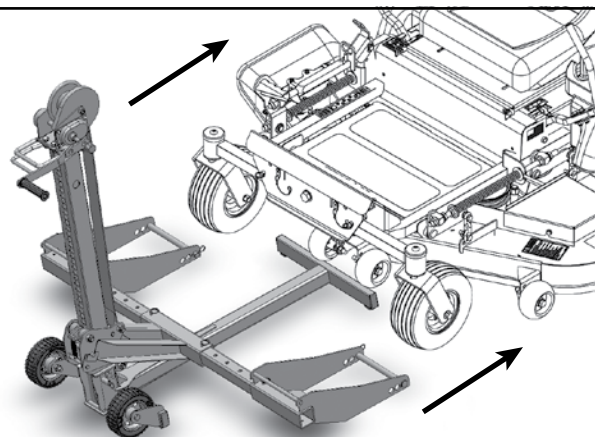
- Remove wheel chocks.
- Release the parking brake.
- Mower must be in neutral.
- Rotate the Winch Handle 1/2 turn clockwise while squeezing the Grip Handle and Ratchet Release Handle together. Keeping the Grip and Ratchet Release Handles squeezed together, turn the Winch Handle counterclockwise until the Wheel Pads are firmly on the ground.



## STEP 16

### Removing the Mower from the MoJack PRO

- Remove the Safety Straps from front mower tires.
- Removing Support Rods is optional during this step.
- Drive or roll the mower off of the Wheel Pads.



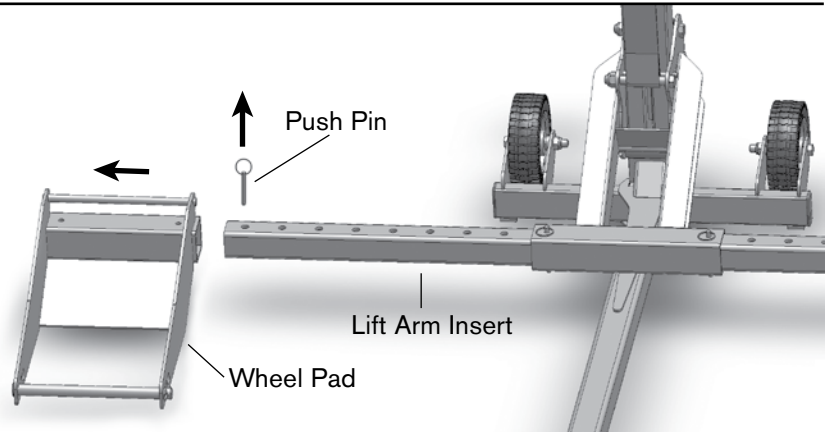
# Operating Instructions

## Preparing the MoJack PRO for Storage (Steps 17 - 20)

### STEP 17

#### Removing the Wheel Pads

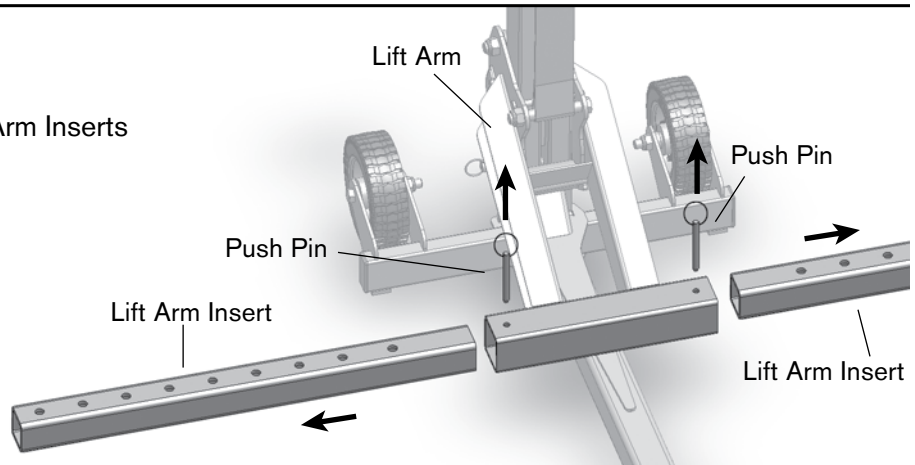
- Remove Wheel Pad Push Pins and pull Wheel Pads out from the Lift Arm Inserts.
- Store the Push Pins in the Wheel Pads.



### STEP 18

#### Removing Lift Arm Inserts

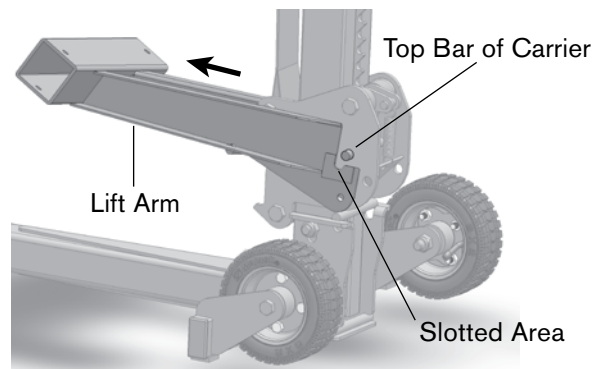
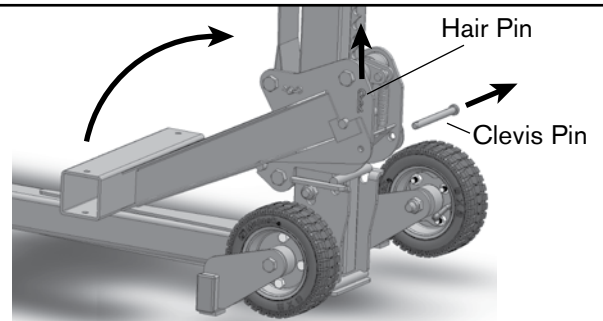
- Remove Lift Arm Push Pins and pull Lift Arm Inserts from the Lift Arm.
- Store the Push Pins in the Lift Arm.



### STEP 19

#### Unhooking the Lift Arm

- Remove Small Hair Pin and Clevis Pin from Lift Arm.
- Unhook the Lift Arm from the Carrier by lifting up on the front of the Lift Arm and pulling out.
- Store the Clevis Pin and Hair Pin in the Lift Arm.

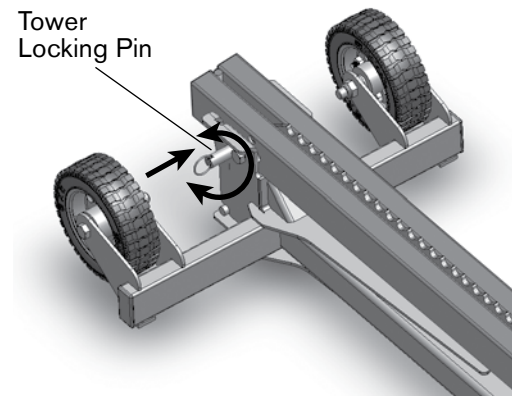
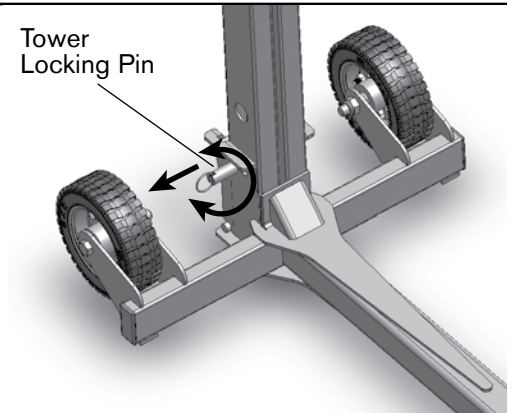
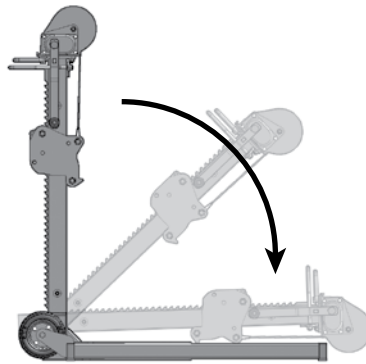


## Operating Instructions

### STEP 20

#### Folding the MoJack PRO

- Pull and rotate Tower Locking Pin 90 degrees to the unlocked position.
- Raise the Tower out of the Base by pulling up on the Grip Handle and then lower the Tower.
- Secure the Tower by rotating Tower Locking Pin until ring drops into locking slot.

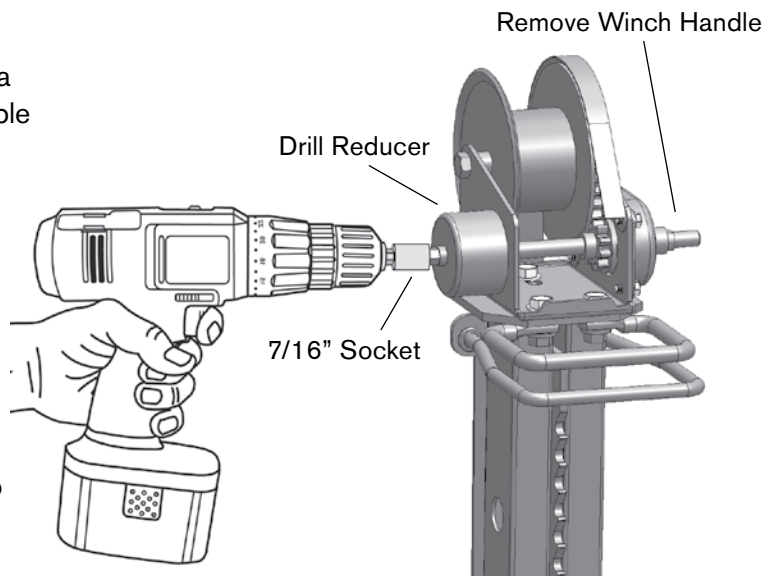


**THE MOJACK PRO IS NOW READY FOR STORAGE OR TRANSPORT.**

### STEP 21

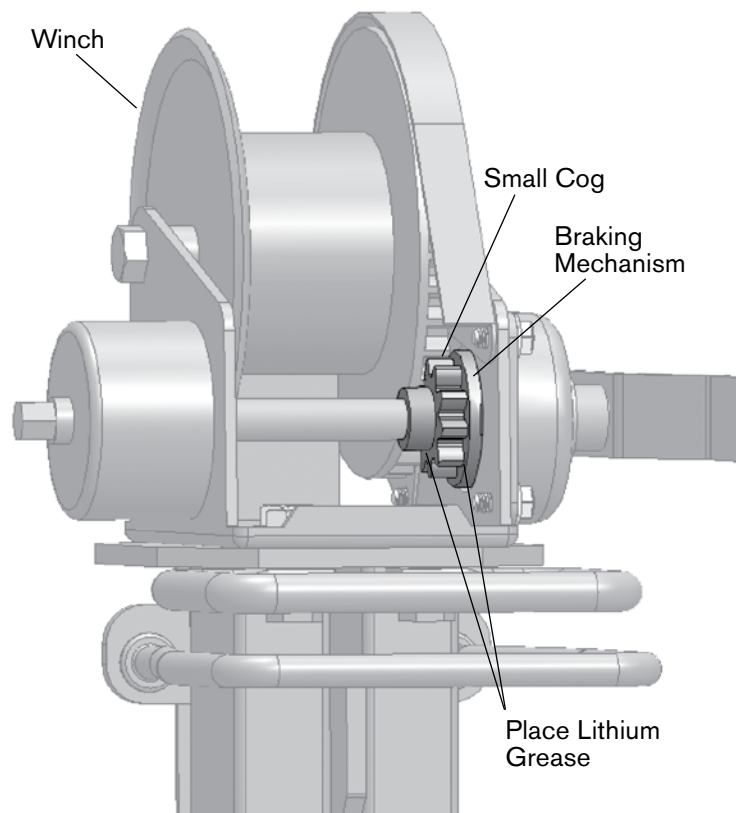
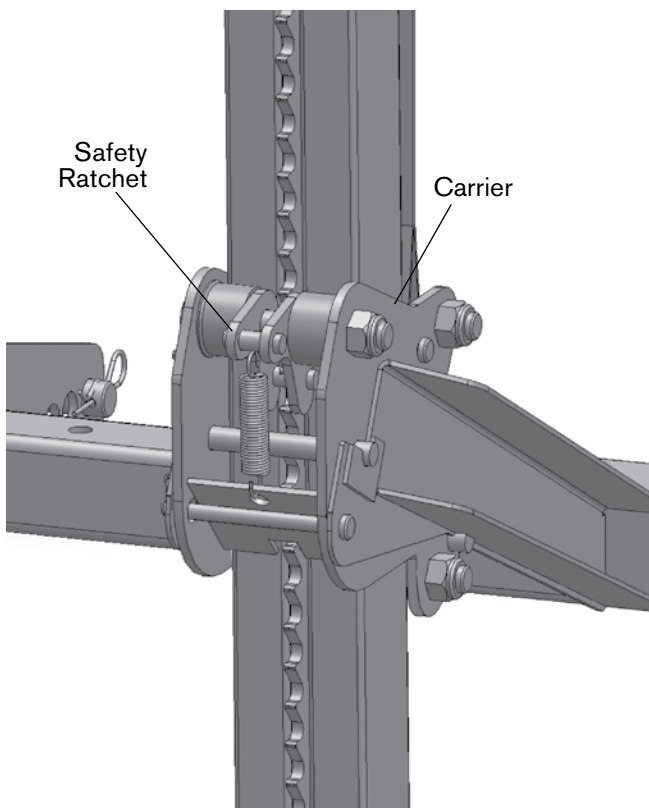
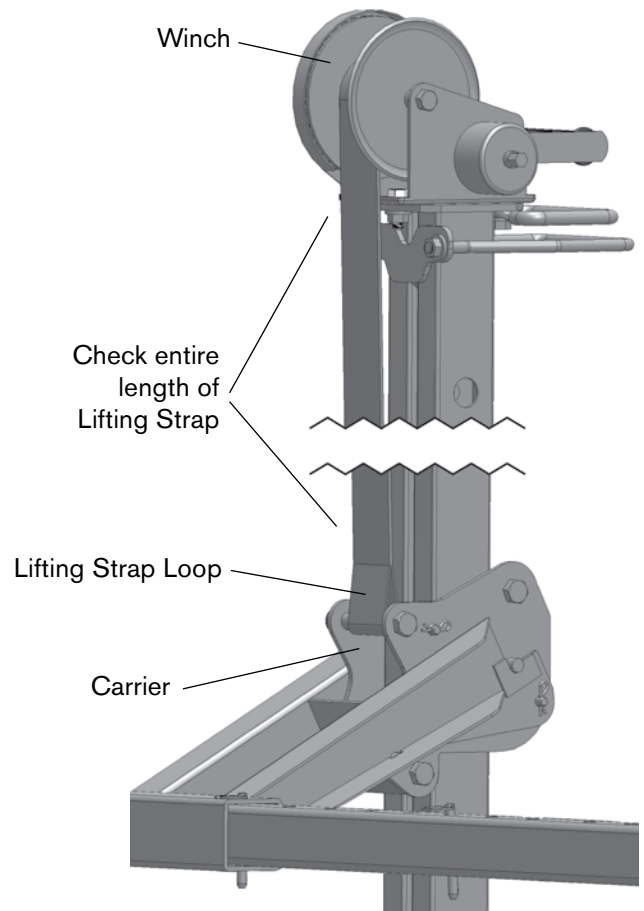
#### Raising the MoJack PRO with a power drill (optional)

- The MoJack PRO can be raised or lowered by using a variable speed corded drill (7 amp minimum) or variable speed cordless drill (18V minimum).
- The drill will require a 7/16" socket (not provided).
- Remove the Winch Handle by removing the Nylock Nut and Winch Handle Washer.
- ⚠ Operator must have a firm grip on the drill before raising or lowering the Lift Arm.
- Firmly place the 7/16" socket on the Drill Reducer. Rotate the drill in reverse (counterclockwise) to raise the Lift Arm and rotate the drill forward (clockwise) to lower the Lift Arm.
- Ratchet Release Handle and Grip Handle must be squeezed together when lowering the Lift Arm.
- Follow all other operating instructions while using the drill attachment.
- Replace the Winch Handle for future use.



## Maintenance Schedule

- Before each use, always check for any worn, loose or damaged parts on the MoJack PRO. If any damaged parts are present, do not use the MoJack PRO and contact MoJack at 1-877-575-3173.
- Check the Lifting Strap before every use. Make sure the Lifting Strap is not damaged or torn and the stitching on the loop is secure. If any of these issues are present, do not use the MoJack Pro and call MoJack at 1-877-575-3173.
- Check that the Safety Ratchet is working properly. As the Carrier raises, the clicking sound indicates that the Safety Ratchet is functioning properly. Raise the Carrier to the working height and rotate the Winch Handle counterclockwise 1/2 turn to release the tension off of the Lifting Strap. If the Carrier does not rest firmly into the Safety Ratchet and tension remains on the Lifting Strap, do not use the MoJack Pro and call MoJack at 1-877-575-3173.
- Place lithium grease on the small cog of the winch and between the small cog on the winch and the braking mechanism once a year or every 50 uses.



## Support Rod Guide for Tire Sizes

