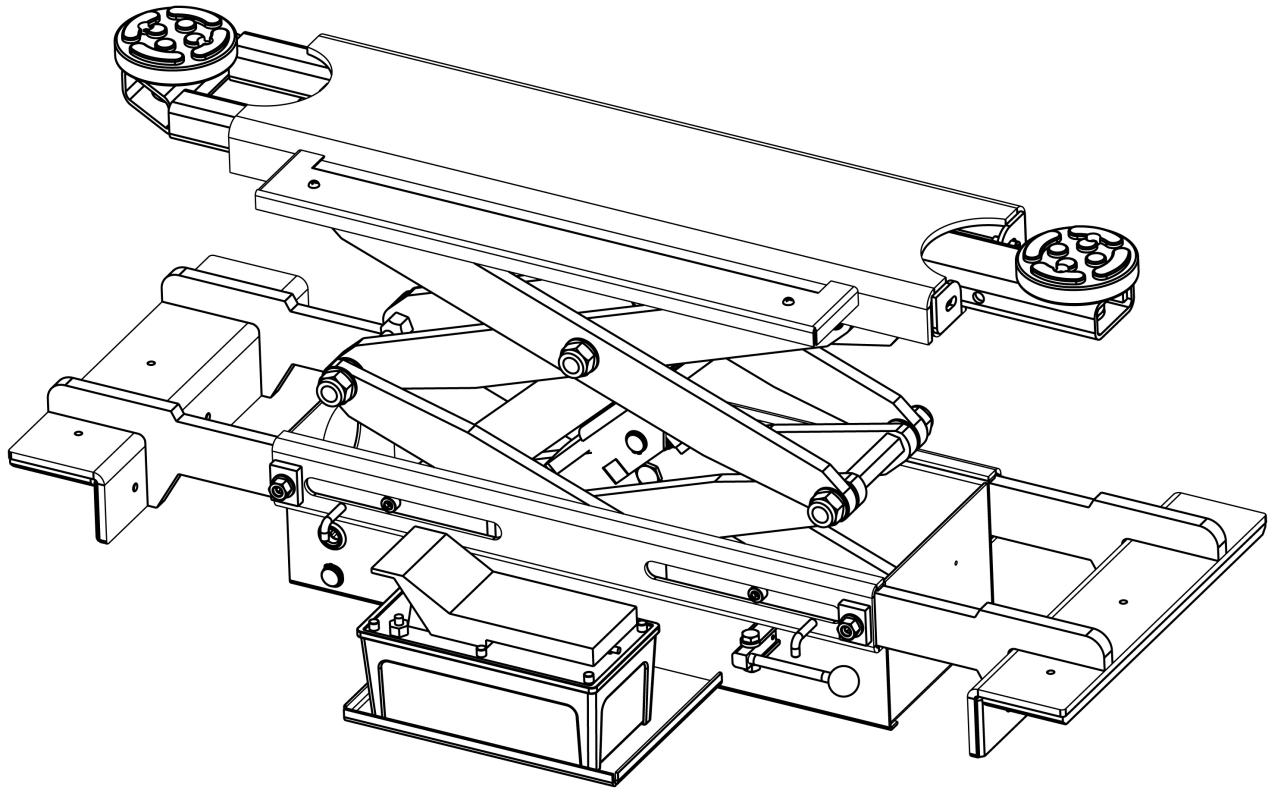




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## INSTALLATION, OPERATION & MAINTENANCE MANUAL



### **MODEL: SBJ-MS**

4,400LB SLIDING BRIDGE JACK



**FOLLOW THIS MANUAL CAREFULLY TO ENSURE THE EQUIPMENT WILL FUNCTION CORRECTLY AND PROVIDE MANY YEARS OF DEPENDABLE SERVICE. FAILURE TO FOLLOW THESE INSTRUCTIONS AND SAFETY WARNINGS MAY RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE. KEEP THIS MANUAL IN A SAFE DRY PLACE FOR FUTURE REFERENCE.**



**Products May Be  
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**For The Latest Version Of  
This Manual**

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**TITAN MARKETING, LLC**

PO Box 7069 Greenwood, IN 46142  
1.888.908-4826 FAX (317) 215.2770  
[www.titanlifts.com](http://www.titanlifts.com)

To Our Valued Customers:

Thank you for purchasing a Titan Lifts® product. We hope this high quality equipment provides you with years of dependable service.

It is unfortunate that rare situations may occur with the products you purchase from Titan Lifts®. We value your business as well as the trust you have and need to maintain your relationship with us. Titan Lifts® carries liability coverage that may protect our customers if a situation does occur. However, as in all accidents there must be proof of liability for a claim to be made. Our insurance company requires the following procedures be observed in order to consider a claim:

- A. The claimant must contact the Titan Lifts® distributor immediately with the facts of the situation.
- B. If any equipment is damaged, including vehicles or shop equipment, Titan Lifts® must be given the opportunity to send an impartial representative to the site for proper assessment of the situation.
- C. The Vehicle cannot be moved until either an impartial representative has reviewed the accident or clear and precise pictures are taken that reflect all the pertinent information for an impartial representative to be able to access the information from a distance. Titan Lifts® or its representatives must approve the pictures before anything can be moved.
- D. If any potential liability is determined on behalf of Titan Lifts®, two estimates must be submitted for damages to be reimbursed.

It is imperative that the claimant complies with these procedures, because without proper assessment of the situation a claim will be denied.

#### ARBITRATION NOTICE

The installation or use of this equipment shall constitute an acknowledgement that the user agrees to resolve any and all disputes or claims of any kind whatsoever, which relate in any way to the equipment, by way of binding arbitration, not litigation. No suit or legal action may be filed in any state or federal court. Any arbitration shall be governed by the Federal Arbitration Act, and administered by the American Mediation Association, Indianapolis Indiana. The maximum amount that an arbitrator may award and all damages shall not exceed the retail value of this equipment.

#### WARRANTY NOTICE

This equipment must be installed by a "Professional Installer" assembled and used in the manner according to the documentation provided to be covered by warranty.

Damaged or missing components must be reported within 72 hours of receipt to your freight carrier and to the distributor. Claims must be filed to cover cost.

If you have any questions or if we can be of any further assistance, please don't hesitate to contact a Titan Lifts® representative at 1-888-908-4826. Thank you for the opportunity to continue to serve your lift equipment needs.

# INSTRUCTIONS

**⚠ WARNING:** READ ENTIRE MANUAL AND COMPLY WITH ALL SAFETY AND SERVICE PRECAUTIONS. DEATH, PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY OCCUR IF INSTRUCTIONS ARE NOT FOLLOWED CAREFULLY.

## SET-UP

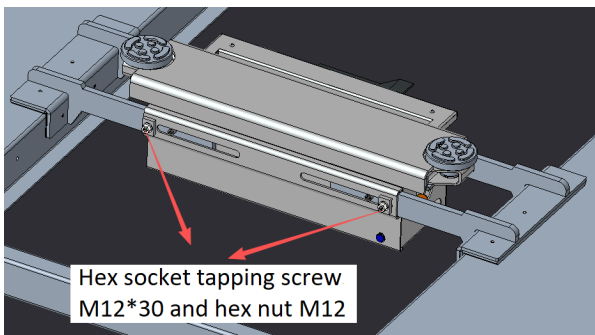
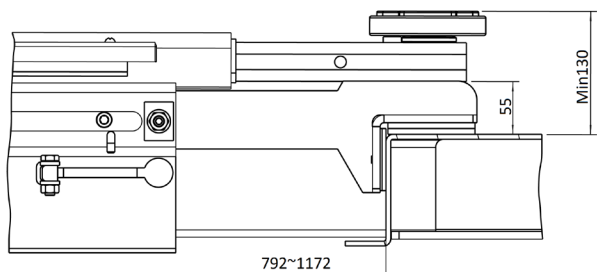
**Step 1: Remove the package**

**Step 2: Use proper lifting device to mount the jack onto the platform.**

Extend both sides of the support bracket to fit the inner dimensions of the platform, ensure the extensions are equal on both sides.

Secure the support brackets using the hex socket tapping screws M12\*30 and tighten the nuts M12

**Caution! Do not move the jack unless the support brackets are locked.**



**Step 3: Connect the pump with air supply and ventilate the pump.**

The end user needs to prepare Ø 8mm (5/16") air hose. Length of the hose is decided by practical use.

Connect one end of the hose to the air-inlet fitting on the pump and the other end to the compressed air supply outlet.

1. Tighten the air inlet fitting to the pump. Use high-quality sealing tape to wind on the thread of the inlet fitting. The first circle of thread shall not be wrapped with sealing tape so as to avoid fragments of the sealing tape going into the pneumatic system.
2. The pump can work upon that the air-supply pressure is set at 0.3-0.7MPa (43-101 psi). The maximal oil supply and pressure can be obtained when air-supply pressure is set at 0.6.-0.8MPa (87-116 psi).
3. It is advisable to install an oil -water filter at the air inlet so as to provide clean and lubricated air to the pump and improve the service life.

## WARNING!

Always remember to loosen the ventilation cap for 1 to 2 turns before operating the pump.

A tight cap (secured tightly for shipping) will cause pump damage if operated.

## Bleed the hydraulic line before initial use

Push and hold the PUMP pedal (3-5 seconds), then push and hold the RELEASE pedal (3-5 seconds). This removes air from the lines.

Note: Bleed the hydraulic line of the pump each time it is replaced with fresh hydraulic oil.



## Replace the oil in the pump

1. It is advised to replace the hydraulic oil in the pump for every 350 working hours. Use 1.5 liters (about 3.2 pints) of fresh HM NO.32 anti-abrasive hydraulic oil.
2. Entirely lower the jacking beam and remove the cap for ventilation to pour the used oil out and refill with fresh oil. Don't let any solid substance go into the oil reservoir.
3. When it is necessary to clean the oil reservoir, its cover can removed as a whole. Pour out the used oil, wash the tank using clean diesel and dry the tank with clean air.

# OPERATION

## Raise the jack

**CAUTION:** When jack is raised to a proper height, it is necessary to engage the mechanical locking device before doing any service work.

1. Make sure the operation manual is well understood before operation.
2. Move the lifting tray to proper pick-up points.
3. Push the pedal on the pump to raise the jack.

## Lower the jack

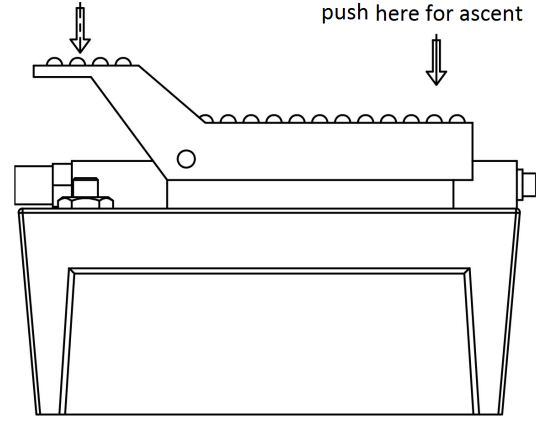
**CAUTION:** When lowering the lift pay careful attention your hands and objects are kept clear.

1. Press the pedal on the pump to raise the jack to disengage the mechanical safety lock.
2. Pull the unlocking handle.
3. Push the pedal on the pump to lower jack.

**i IMPORTANT:** THIS JACK IS INTENDED FOR TEMPORARILY LIFTING AND LOWERING A VEHICLE. IT IS NOT FOR STORAGE OR FOR TRANSPORTING LOADS. **DO NOT** LEAVE A VEHICLE ON THE LIFT FOR AN EXTENDED PERIOD OF TIME. DAMAGE TO THE JACK OR OTHER PROPERTY MAY RESULT.

push here for descent

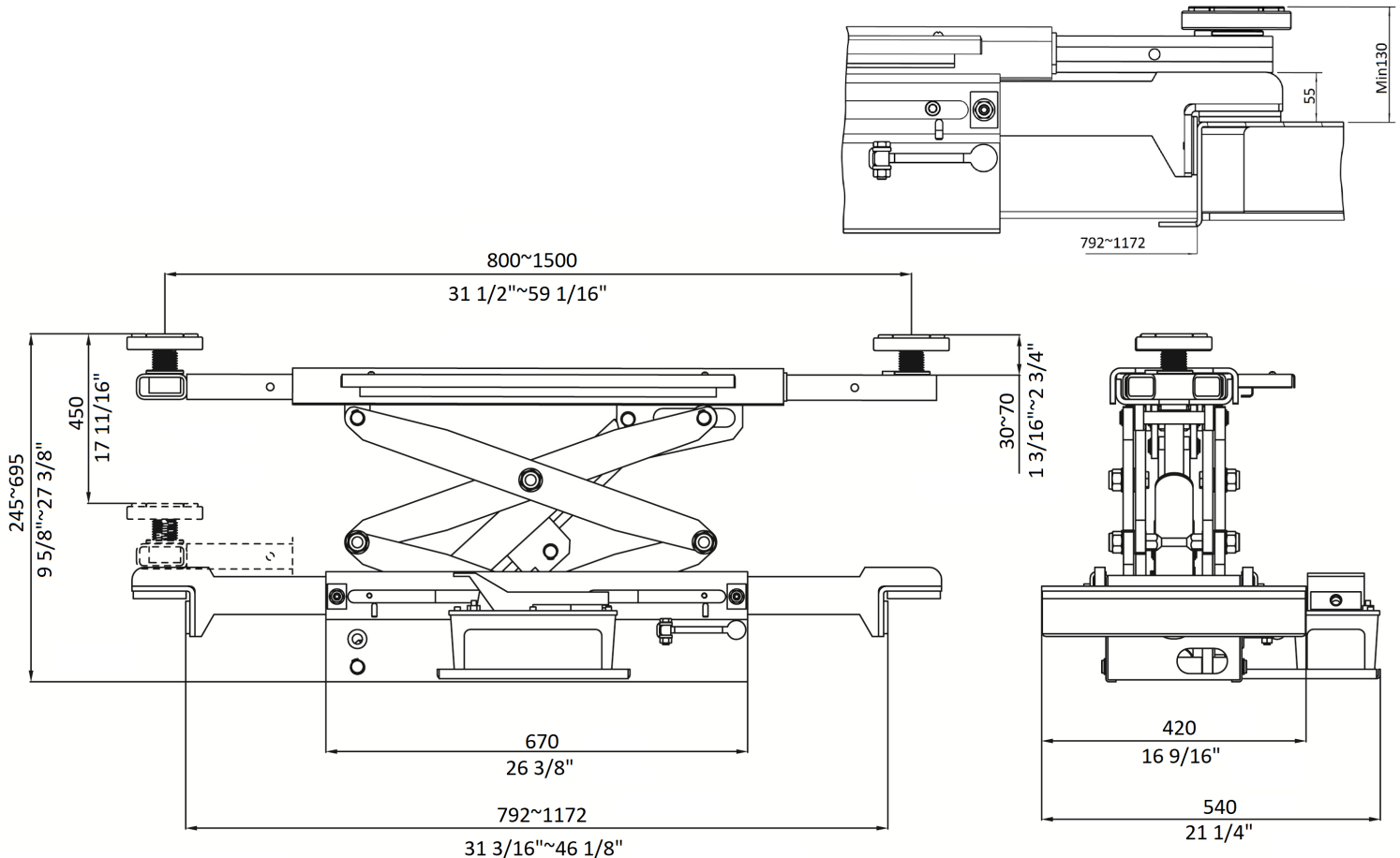
push here for ascent



# SPECIFICATIONS

| Lifting Capacity | Railway Width                              | Lifting Pad Width                          | Lowered Height(min) | Raised Height(max)  |
|------------------|--------------------------------------------|--------------------------------------------|---------------------|---------------------|
| 4,400 lb         | 31- $\frac{3}{16}$ " - 46- $\frac{1}{8}$ " | 31- $\frac{1}{2}$ " - 59- $\frac{1}{16}$ " | 5- $\frac{1}{8}$ "  | 22- $\frac{7}{8}$ " |

| Compressed Air Supply | Pump Oil Capacity | Hydraulic Fluid Type                                 |
|-----------------------|-------------------|------------------------------------------------------|
| 45 - 100 psi          | 50.5 oz           | ISO 32 or AW 32 weight<br>non-foaming, non-detergent |



# DAILY MAINTENANCE

**Lubricate moving parts with No.1 lithium base grease.**

## **DAILY**

Check the effectiveness of mechanical locking unit

Inspect the oil hose. No leakage is allowed.

Inspect the pneumatic hose. No leakage is allowed.

## **WEEKLY**

Inspect the flexibility of moving parts.

Inspect the condition of safety devices.

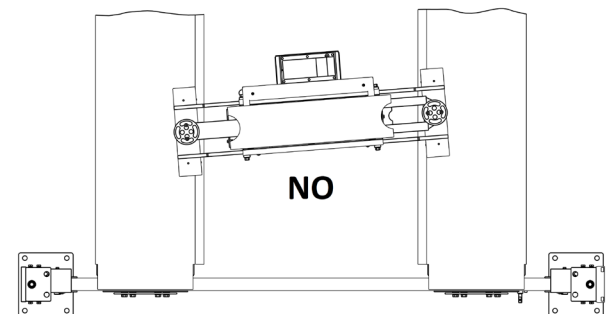
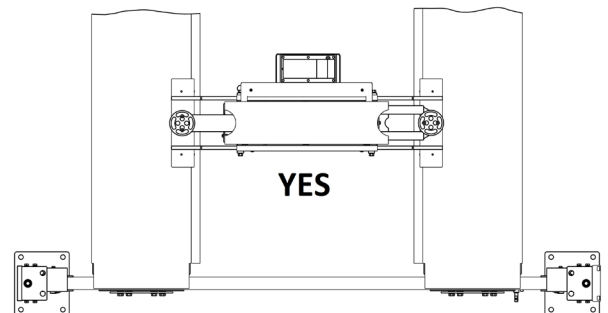
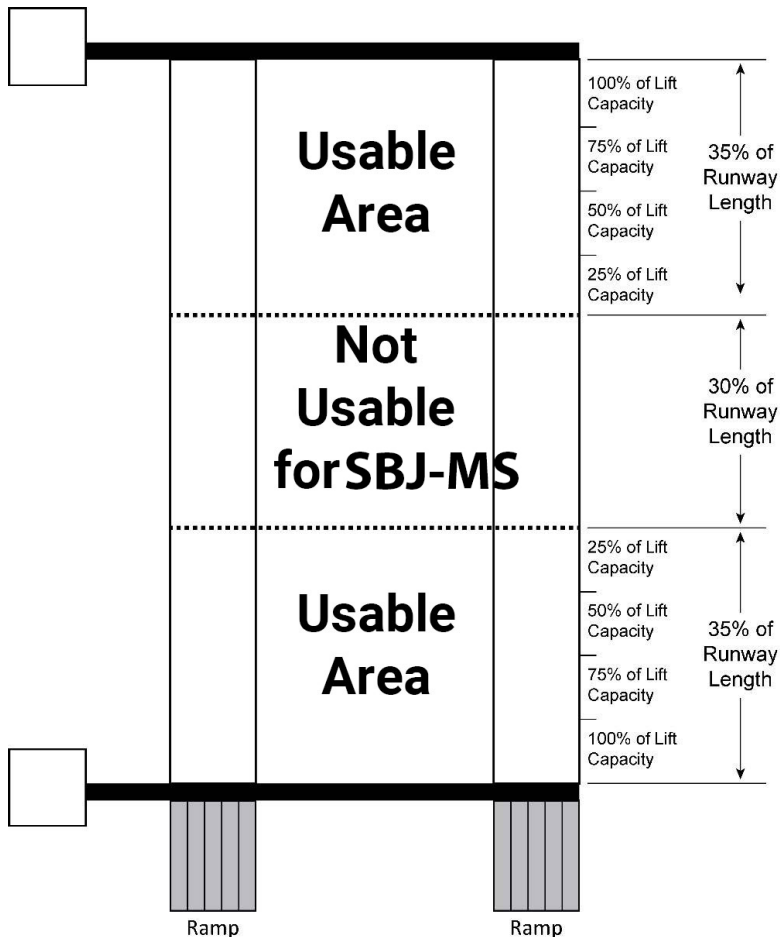
## **MONTHLY**

Inspect the hydraulic circuit. Tighten the fitting if any leakage.

Check the wear of moving parts. Replace the over worn moving parts.

# SAFETY PRECAUTIONS

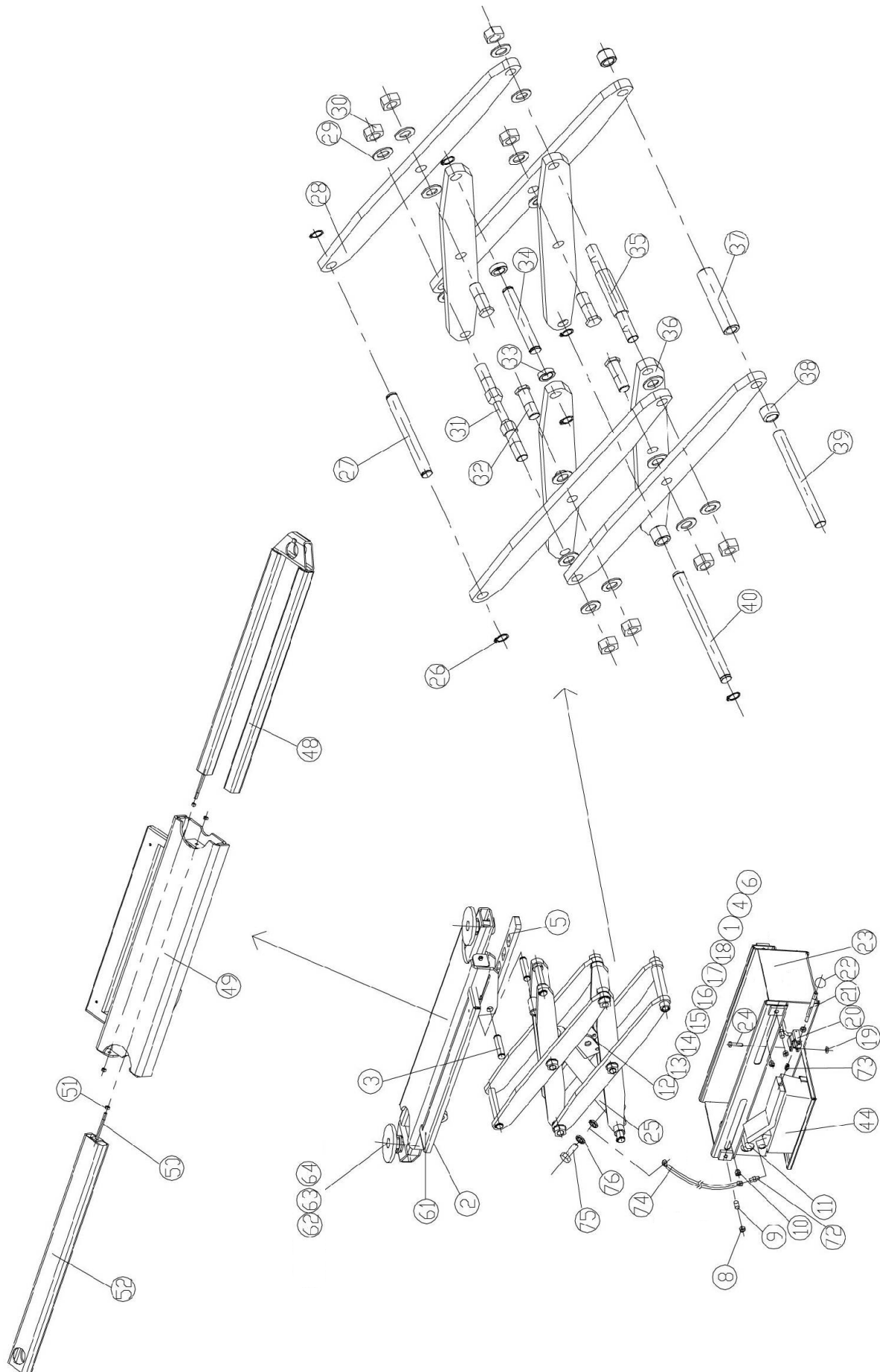
1. Load should not exceed rated capacity for this jack – 4,400lb
2. Only trained people should operate the jack.
3. Indoor use recommended.
4. Do not move the jack while loaded.
5. Keep hands, tools, and other extremities from any moving parts.
6. Maintain a safe working environment. The work area should be clean, dry, clutter free and sufficiently lit.
7. Wear proper safety attire. Do not wear loose fitting clothing while operating jack, long hair and sleeves should be secured.
8. Keep children and bystanders away from work area. Do not let children operate or play on jack.
9. Do not use if under the influence of drugs or alcohol. Operator must be alert at all times when using heavy lift equipment.
10. Never operate the jack with someone on it.
11. Use this jack only for the work it is intended. Do not use this product for an application for which it was not designated. Misuse can lead to personal injury and/or property damage.
12. Place safety jack stands (not included) under the vehicle to prevent the vehicle from falling in case the jack should lower unexpectedly.



**WARNING:** NEVER GO UNDER A RAISED VEHICLE UNLESS THERE ARE SAFETY JACK STANDS IN PLACE.

**WARNING:** VEHICLE WHEELS MUST BE CHOCKED & PARKING BRAKE SET PRIOR TO USING THIS JACK.

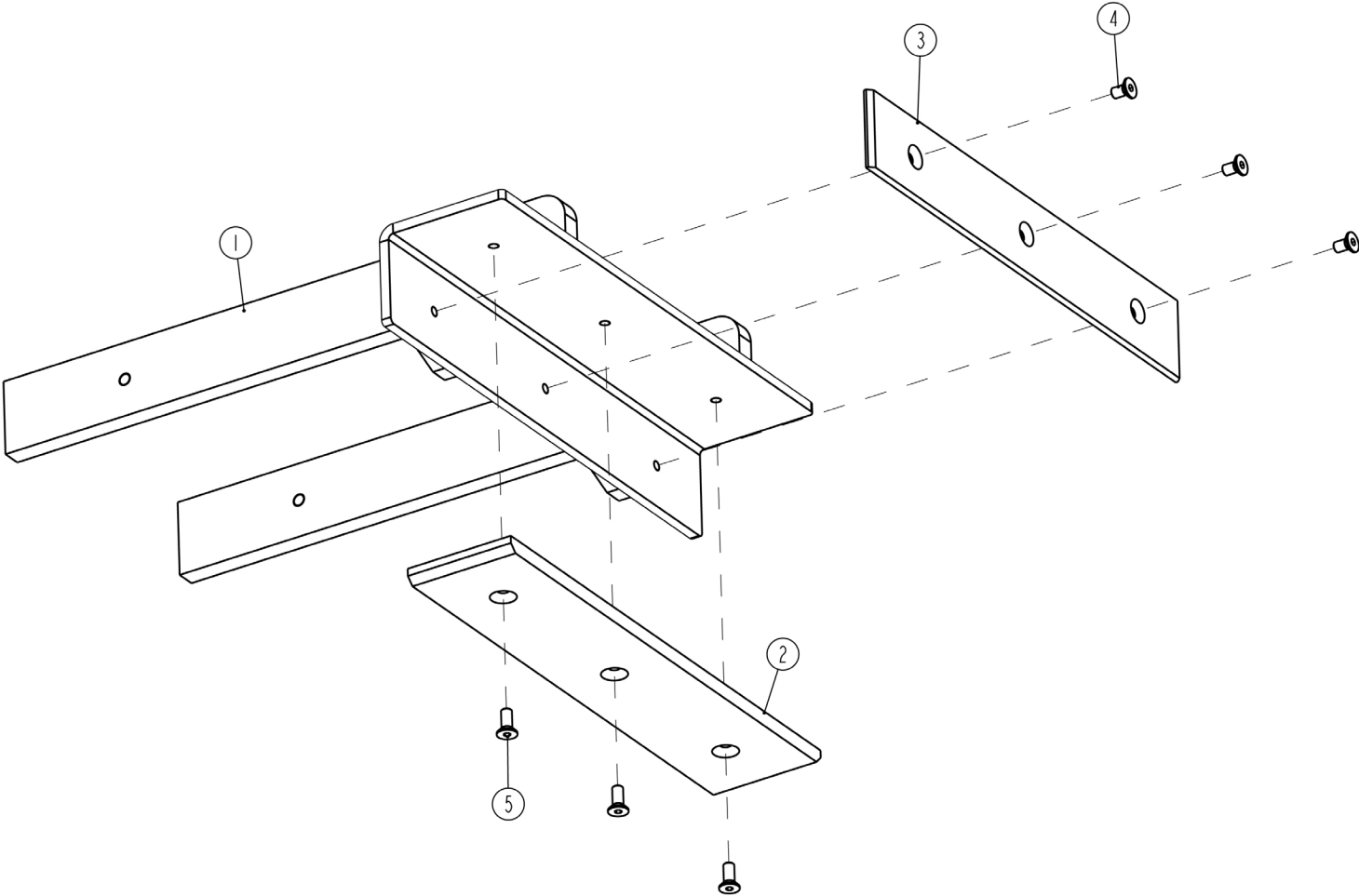
# PARTS DIAGRAM (JACK)



# PARTS LIST (JACK)

| Part # | Description                    | QTY | Part #             | Description                   | QTY |
|--------|--------------------------------|-----|--------------------|-------------------------------|-----|
| 1      | Flat washer                    | 5   | 30                 | Hex locking nut               | 12  |
| 2      | Protection cloth               | 1   | 31                 | Connection shaft B            | 1   |
| 3      | Shaft of oil cylinder          | 2   | 32                 | Mid shaft                     | 4   |
| 4      | Non-metallic lock nut          | 2   | 33                 | Spacer ring                   | 2   |
| 5      | Safety rack assembly           | 1   | 34                 | Shaft B                       | 1   |
| 6      | Brake cable                    | 1   | 35                 | Connection shaft A            | 1   |
| 8      | Hex nut                        | 4   | 36                 | Moving bracket(left)          | 1   |
| 9      | Hex socket tapping screw       | 4   | 36-1               | Moving bracket(right)         | 1   |
| 10     | Hex socket cylinder head screw | 4   | 37                 | Mid bushing                   | 1   |
| 11     | 20 hose clip                   | 1   | 38                 | Roll wheel                    | 2   |
| 12     | Mid shaft of oil cylinder      | 1   | 39                 | Connection shaft D            | 1   |
| 13     | Safety block                   | 1   | 40                 | Connection shaft C            | 1   |
| 14     | Small shaft 2                  | 1   | 44                 | Pneumatic pump                | 1   |
| 15     | Positioning rod                | 1   | 48                 | Welded square tube A          | 1   |
| 16     | Spring                         | 1   | 49                 | Beam assembly                 | 1   |
| 17     | Circlip                        | 1   | 50                 | Positioning rod               | 2   |
| 18     | Grip screw                     | 1   | 51                 | Hex nut                       | 4   |
| 19     | Hex nut                        | 1   | 52                 | Welded square tube B          | 1   |
| 20     | Positioning plate              | 1   | 61                 | Cross socket cap head screw   | 2   |
| 21     | Handle                         | 1   | 62                 | Lifting tray (No round pad)   | 2   |
| 22     | D32 handle ball                | 1   | 63                 | Round lift pad                | 2   |
| 23     | Base (pneumatic)               | 1   | 64                 | Hex socket flat head screw    | 2   |
| 24     | Hex head full swivel screw     | 1   | 62 +<br>63 +<br>64 | Lifting tray                  | 2   |
| 25     | Oil cylinder                   | 1   | 72                 | Non-return restrictive valve  | 1   |
| 26     | Circlip                        | 12  | 73                 | Fast pneumatic hose connector | 1   |
| 27     | Shaft A                        | 1   | 74                 | Oil hose                      | 1   |
| 28     | Support plate                  | 6   | 75                 | Oil cylinder connector        | 1   |
| 29     | Flat washer                    | 16  | 76                 | Composite washer              | 2   |

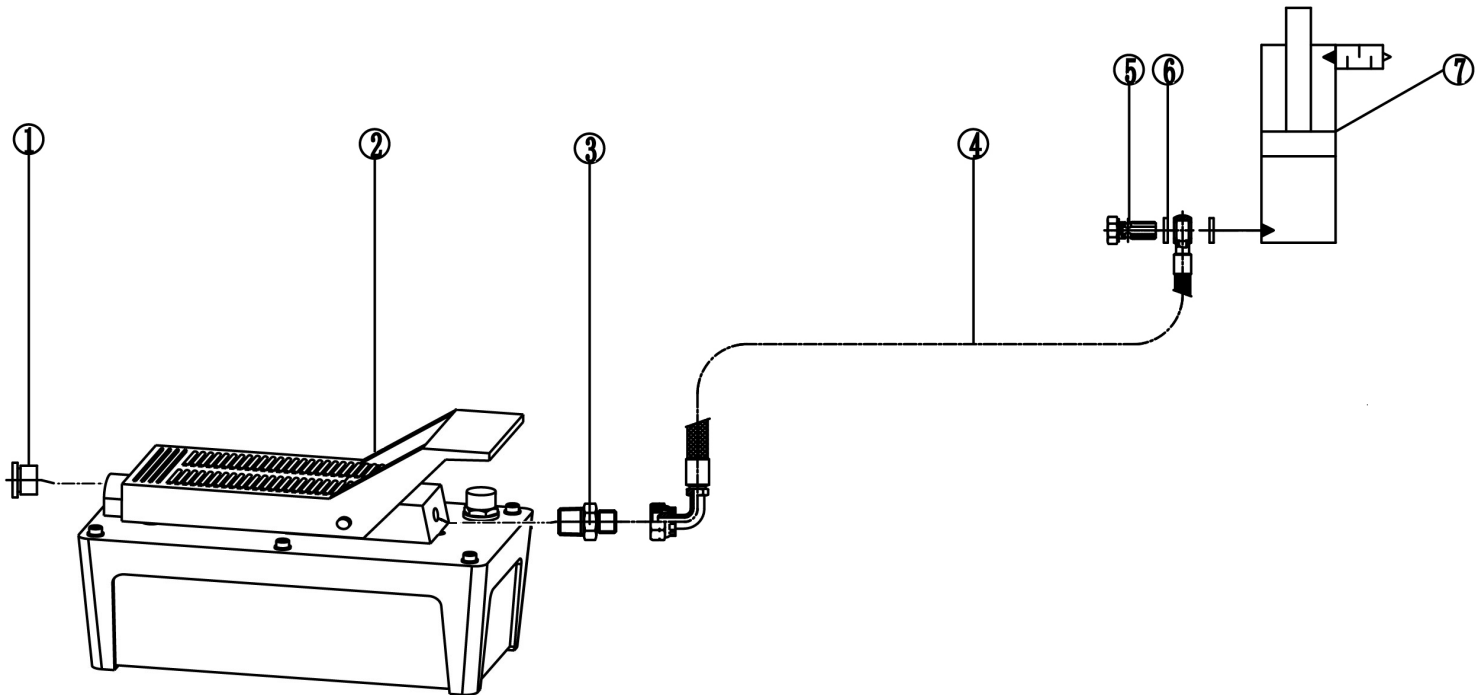
**PARTS DIAGRAM (SLIDER)**



**PARTS LIST (SLIDER)**

| Part # | Description                | QTY |
|--------|----------------------------|-----|
| 1      | Supporting frame A         | 1   |
| 2      | Nylon padding block        | 1   |
| 3      | Nylon padding block        | 1   |
| 4      | Hex socket flat head screw | 3   |
| 5      | Hex socket flat head screw | 3   |

## PARTS DIAGRAM (PUMP)



### PARTS LIST (PUMP)

| Part # | Description                     | QTY |
|--------|---------------------------------|-----|
| 1      | Straight air hose connector     | 1   |
| 2      | Pneumatic-driven hydraulic pump | 1   |
| 3      | Non-return restrictive valve    | 1   |
| 4      | Oil hose                        | 1   |
| 5      | Cylinder fitting                | 1   |
| 6      | Composite washer                | 2   |
| 7      | Cylinder                        | 1   |



# LIMITED WARRANTY

The **Titan 2 Post lifts, 4 Post lifts and Bridge Jacks** are backed by a standard **1-year** replacement parts warranty and a **5-year** structural warranty from the date of purchase, to the original purchaser only. The **1-year** replacement parts warranty covers power units, hydraulic cylinders, and all other assembly components such as, but not limited to: turn plates, slip plates, cables, chains, valves, switches etc. This does not cover normal wear items such as, but not limited to: rubber lifting pads and nylon slide blocks. Titan Elite model lifts have been discontinued but still qualify under the same terms as shown above.

**Titan 2 Post Master Series, SL-6600 Scissor Lifts and PREMIER Series 2 Post Lifts** are backed by a **2-year** replacement parts warranty and a **5-year** structural warranty from the date of purchase, to the original purchaser only. The **2-year** replacement parts warranty covers power units, hydraulic cylinders, and all other assembly components such as, but not limited to: valves, switches, capacitors etc. This does not cover normal wear items such as, but not limited to: rubber lifting pads and rubber arm pads.

**Titan Master Series 2 post lifts** includes lifetime warranty on nylon slide blocks.

**Titan 4 Post Master Series** are backed by a **2-year** replacement parts warranty and a **6-year** structural warranty from the date of purchase, to the original purchaser only. The **2-year** replacement parts warranty covers power units, hydraulic cylinders, and all other assembly components such as, but not limited to: turn plates, slip plates, cables, chains, valves, switches etc. This does not cover normal wear items such as, but not limited to: rubber lifting pads and nylon slide blocks.

**Titan Master Series Aluminum Deck Kit** are backed by a **90 day** replacement.

**Any and all lift cable adjustments** are at owners expense and not covered under limited warranty.

**Titan MRL-6000 Scissor lifts** are backed by a standard **1-year** replacement parts warranty and a **5-year** structural warranty from the date of purchase, to the original purchaser only. The **1-year** replacement parts warranty covers power units, hydraulic cylinders, and all other assembly components such as, but not limited to: valves, switches, capacitors etc. This does not cover normal wear items such as but not limited to rubber lifting pads.

**Titan ROT-4500 Rotisseries** are backed by a standard **1-year** replacement parts warranty from the date of purchase, to the original purchaser only. The **1-year** replacement parts warranty covers components such as, but not limited to: hydraulic cylinders, caster assemblies, bearings etc. This does not cover normal wear items such as, but not limited to, mounting adapters.

**Titan Standard Duty and Heavy Duty motorcycle lifts** are backed by a standard **1-year** replacement parts warranty from the date of purchase, to the original purchaser only. The **1-year** replacement parts warranty covers power units, hydraulic cylinders, pneumatic cylinders, and all other assembly components such as, but not limited to: cables, caster wheels, valves, switches, wheel vises etc. This does not cover normal wear items such as, but not limited to: rubber wheel vise pads.

**Titan Light Duty motorcycle lifts** are warrantied for replacement parts only to the original purchaser for a period of **90 days** from the date of purchase. This **90 day** replacement parts warranty covers items such as, but not limited to: hydraulic cylinder, casters, pedal assemblies, wheel vises etc. This does not cover normal wear items such as, but not limited to: rubber wheel vise pads.

**Titan Bulldog Moto Cradle Wheel Chock** is warrantied for replacement parts, only to the original purchaser, for a period of **2-years** from the date of purchase.

**XL Tool by Titan Wheel Service Machines and Helper Arm Assemblies** are backed by a standard **1-year** replacement parts warranty from the date of purchase, to the original purchaser only. The **1-year** replacement parts warranty covers internal boards, motors, pneumatic cylinders, and all other assembly components such as, but not limited to: cabinet, switches, valves, fittings etc. This does not cover normal wear items such as but not limited to: rubber pads, jaw protectors, air hoses, quick nut assemblies.

**Titan shop equipment products and accessories** are warrantied for replacement parts only to the original purchaser for a period of **90 days** from the date of purchase. This **90 day** replacement parts warranty covers products such as but not limited to: EZ -Mover Jacks, Mini Jacks, tie down products, wheel service accessories, Bulldog Moto Cradle Wheel Chock accessories, dollies, stands, Multi-purpose Jacks, replacement power units purchased as stand alone units, etc.

**Titan TJ1T, FJ2T, and FJ3T** are warrantied for replacement parts only to the original purchaser for a period of **1 year** from the date of purchase.

**All non-serialized items** will require proof of purchase in the form of a sales receipt from an authorized Titan Lifts dealer showing the date of purchase for any warranty consideration.

For **all** warranty considerations, Titan Marketing, LLC will supply replacement parts only during the warranty period. The original purchaser is responsible for all shipping, handling, and any labor charges incurred. Hydraulic/Pneumatic cylinders may qualify for exchange under warranty if reported within the first 30 days from date of sale. After the first 30 days from date of sale, a seal kit and installation instructions will be sent for cylinder repairs. All defective parts must be returned to Titan for inspection and examination. Any parts that are found to be defective will be replaced or repaired to proper working order. Other items not listed above may be considered general wear parts and therefore, will not be covered under warranty. These warranties **do not** extend to **defects** caused by ordinary wear, abuse, misuse, shipping damage, improper installation, voltage or lack of required maintenance. Titan Marketing, LLC is **not** to be held responsible for any **failure** that results from an accident, purchaser/operator abuse, neglect, or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied. Damage caused by rain, excessive humidity, corrosive environments or other contaminants are not covered under warranty. **THESE WARRANTIES DO NOT EXTEND TO ANY COSMETIC DEFECT NOT INTERFERING WITH EQUIPMENT FUNCTIONALITY OR ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF A TITAN MARKETING LLC PRODUCT OR THE BREACH OR DELAY IN PERFORMANCE OF THE WARRANTY.**

**P.O. Box 7069 • Greenwood, IN 46142 • Ph. 888-908-4826 • Fx. 317-215-2770 • [www.titanlifts.com](http://www.titanlifts.com)**

# WARRANTY REGISTRATION

In order to utilize the warranty on this Titan Lifts product, you must register your product with us. The simplest way to do this is to visit [TITANLIFTS.COM/WARRANTIES](https://titanlifts.com/warranties) and submit your information online. If you prefer to send your information through the mail, please fill out the form below and send this page to us at :

**Titan Lifts  
PO Box 7069  
Greenwood, IN 46142**

|                     |       |                          |                       |
|---------------------|-------|--------------------------|-----------------------|
| EQUIPMENT MODEL:    | _____ | SERIAL NUMBER:           | _____                 |
| TYPE OF POWER UNIT: | _____ | SERIAL NUMBER:           | _____                 |
| DATE OF PURCHASE:   | _____ |                          |                       |
| PLACE PURCHASED:    | _____ |                          |                       |
| NAME:               | _____ |                          |                       |
| STREET:             | _____ |                          |                       |
| CITY, STATE, ZIP:   | _____ |                          |                       |
| PHONE:              | _____ |                          |                       |
| EMAIL:              | _____ | <input type="checkbox"/> | OPT OUT OF PROMOTIONS |



In order to receive your warranty, return this card  
or visit [TITANLIFTS.COM/WARRANTIES](https://titanlifts.com/warranties) within 30 days.



[illegible]



## **WARNING**



The warnings, precautions and instructions in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that the operator must supply common sense and examine caution factors when using this product to determine safety in all circumstances being used.



**TITAN MARKETING, LLC**

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**8/21/26**