



INSTALLATION, OPERATION, & MAINTENANCE MANUAL



MODEL:

1000L

1,000 LB CAPACITY MOTORCYCLE/ATV LIFT

⚠ FOLLOW THIS MANUAL CAREFULLY TO ENSURE THE MACHINE 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. USE OF STRAPS IS RECOMMENDED - SOLD SEPARATELY. KEEP THIS MANUAL IN A SAFE DRY PLACE FOR FUTURE REFERENCE.



TITAN MARKETING, LLC

PO Box 7069 Greenwood, IN 46142
1.888.908-4826 FAX (317) 215.2770
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.

UNPACKING AND SET-UP *REFER TO PARTS LIST FIG. 1

1. Carefully unpack the lift making sure that all of the parts have been included.
2. Remove the lift and all parts from delivery pallet and place on a clean, solid flat surface.
3. Place the sliding plate (36) to the platform (35) to cover the rear wheel removal aperture.
4. Attach ramp plate (37) to end of platform (35) using washers (23) and R-pins (04).
5. Fit the front wheel vice assembly (34) to the front of the platform using bolts (64 & 64.1), washers (23) and nuts (30).
6. Attach the wheels and casters (44) and (14) using the supplied hardware.
7. Fit the lift foot pedal (11) to the pump piston spindle (09) and fit the release foot pedal (10) to the release valve spindle (05).

BEFORE FIRST USE

1. Allow the oil to settle before purging the system.
2. Connect the quick coupler-male into the air supply hose quick coupler-female and fully press the release foot pedal (10), then turn on the air controller (53) letting the pump work for 20 seconds to eliminate any air in the hydraulic system.
3. Test the lift, without a load, by raising it to full height and then lowering it. Depress release foot pedal (10) slowly to control the rate of descent.



Note: Failure to allow sufficient time for the oil to settle could result in air remaining in the oil. In this event, the pump will not purge completely first time and a second purge will be required.



WARNING: The lift may be damaged and/or personal injury may result if the pressure exceeds the maximum 200 PSI rating.

OPERATION & MAINTENANCE

***REFER TO PARTS LIST FIG. 1**



WARNING: Test the lift several times for proper operation before attempting to lift a load. Do NOT attempt to overload the lift.

1. Position the lift in a suitable area, checking that the surface on which the lift will stand is solid and flat.
2. Turn the adjusting screw assy (18) down to raise the castors off the ground to prevent the lift from moving.
3. Roll the motorcycle into the vise.
4. Clamp front wheel in vice to prevent any movement of the motorcycle.
5. Strap the motorcycle securely to the platform.
6. Connect the quick coupler-male into the air supply hose quick coupler-female, then turn on the air valve to raise the lift. When air source is not available, pump the lift foot pedal (11) to raise the lift.
7. When the platform has been raised to the working height, turn off the air valve (or stop pumping) and insert the locking bar (22) through the holes in the front lifting arm (38) so that the lift cannot be inadvertently lowered.
8. When work is done, check under the lift to ensure that there are no obstructions and that it is safe to lower the unit. Slightly raise the lift off the locking bar (22). Remove the locking bar (22) and then SLOWLY press the release foot pedal to GENTLY lower the lift.



Note: The speed of lowering is controlled by the release valve. The more the valve is opened the more rapidly the lift descends. Ensure the decent is slow and controlled.

9. When the lift is fully lowered, unstrap the motorcycle, open the vice jaws and remove the cycle from the lift.
10. When not in use, the lift must be stored in the lowest position in a dry location to minimize ram and piston corrosion.
11. Keep the lift clean and wipe off any oil or grease. Lubricate all moving parts.
12. Periodically check the ram and piston for signs of corrosion. Clean exposed areas with a clean oiled cloth.
13. Before each use check all parts. If any part of the lift is damaged or suspect, remove the lift from service and take necessary action to repair.
14. Check the hydraulic oil level. If not adequate, remove the filler plug (P33) on the pump and add hydraulic oil as necessary. Do NOT use brake fluid or any other improper fluid. Only a high quality hydraulic jack oil may be used.

SAFETY PRECAUTIONS

1. Load should not exceed rated capacity for this lift - 1000lbs
2. 90-100PSI shop air needed. Do NOT exceed the 200 PSI rating.
3. Make sure the safety locking bar is inserted in the locked position while the lift is in the raised position.
4. Move the lift only when it is lowered.
5. Do NOT ride vehicle onto lift.
6. Only trained people should operate the lift.
7. Remain clear of the lift when raising or lowering.
8. Indoor use recommended.
9. Do NOT move lift while loaded.
10. Keep hands, tools and other extremities from under carriage and moving parts.
11. Maintain a safe working environment. The work area should be clean, dry, clutter free and sufficiently lit.
12. Wear proper ANSI-approved safety attire. Do NOT wear loose fitting clothing while operating lift. Long hair and sleeves should be secured.
13. Keep children and bystanders away from work area. Do NOT let children operate or play on lift.
14. Do NOT use if under the influence of drugs or alcohol. Operator must be alert at all times when using heavy lift equipment.
15. Never operate the lift with someone on it.
16. Use this lift only for the work it is intended. Do NOT use this product for an application for which it was not designed. Misuse can lead to personal injury and/or property damage.
17. Industrial applications must follow OSHA requirements.
18. Do NOT use for aircraft purposes.
19. Have your lift serviced by a qualified repair person using only identical Titan Lifts® replacement parts and attachments. This will ensure that the safety of the lift is maintained.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. THE MANUFACTURER OR DISTRIBUTOR DOES NOT MAKE ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE PERFORMED BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

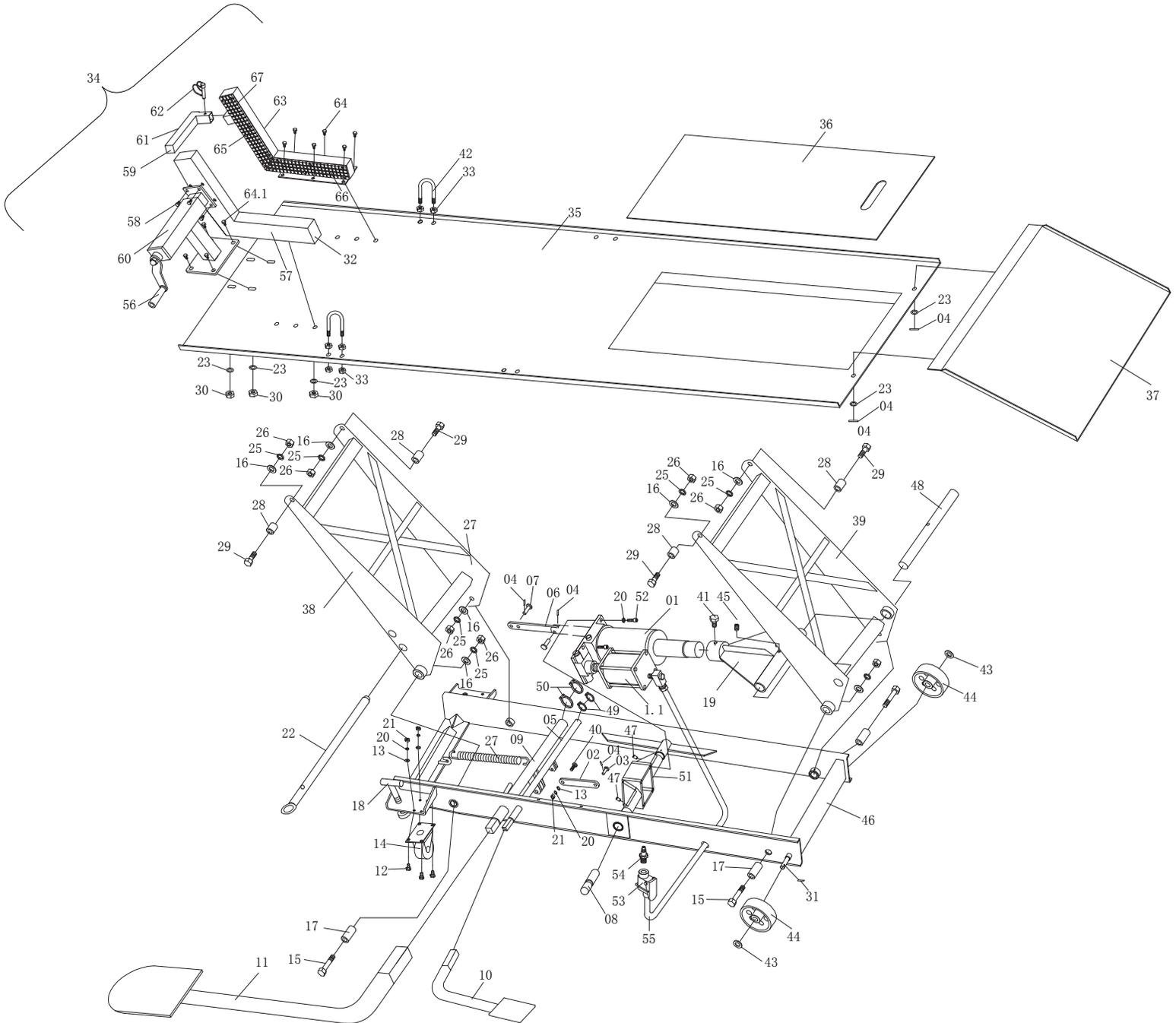
Product's Serial Number: _____

Note: If product does not have a serial number, record the month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PARTS LIST (FIG. 1)

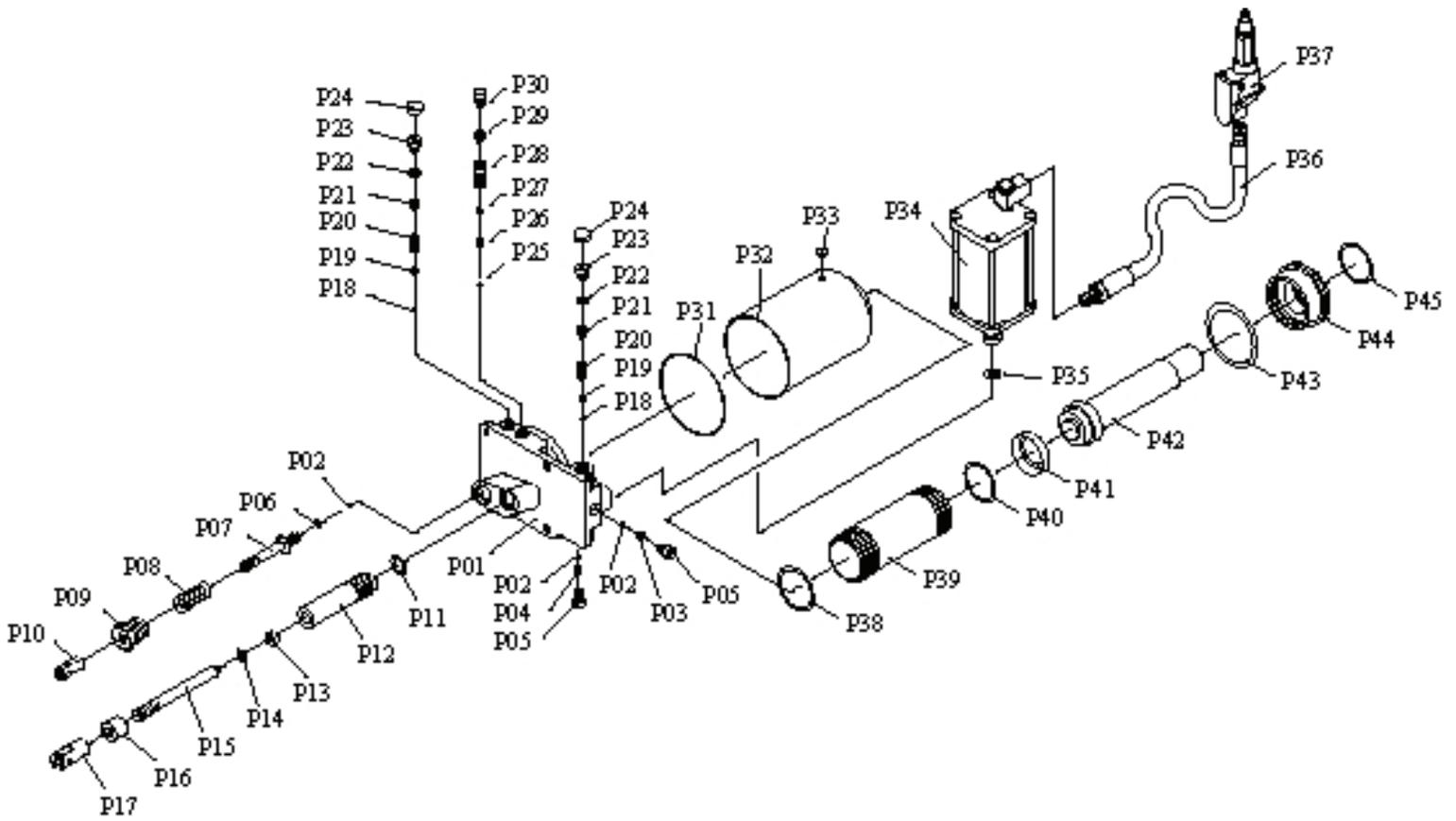
PLEASE MAKE SURE TO CONFIRM THAT ALL PARTS ARE INCLUDED.



PARTS LIST CON'T. (FIG. 1)

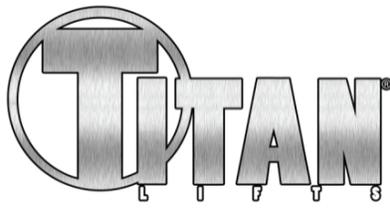
NO.	DESCRIPTION	QTY	NO	DESCRIPTION	QTY
1	HYDRAULIC PUMP	1	35	PLATFORM	1
1.1	AIR PUMP	1	36	SLIDING PLATE	1
2	LINK	1	37	LEADING PLATE	
3	PIN	1	38	FRONT LIFTING ARM	1
4	R-PIN	5	39	REAR LIFTING ARM	1
5	RELEASE VALVE SPINDLE	1	40	BOLT M6x30	1
6	LINK	1	41	BOLT M8x12	1
7	PIN	2	42	U-CLAMP	2
8	PUMP SHAFT LOCATION	2	43	WASHER 13.5mm	2
9	PUMP PISTON SPINDLE	1	44	FRONT WHEEL	2
10	RELEASE FOOT PEDAL	1	45	SET SCREW M8x12	1
11	LIFT FOOT PEDAL	1	46	BASEPLATE WELDED PARTS	1
12	BOLT M6x16	8	47	SET SCREW M6x10	2
13	WASHER 6mm	9	48	LIFTING ARM SPINDLE	1
14	CASTER FORK ASSY	2	49	RETAINING RING	2
15	BOLT M12x70	4	50	RETAINING RING	2
16	WASHER 12mm	8	51	PUMP BASE	1
17	BUSH	4	52	BOLT M6x20	4
18	ADJUSTING SCREW ASSY	2	53	CONTROLLER	1
19	CONNECTION	1	54	HOSE FITTING	1
20	LOCK WASHER 6mm	9	55	AIR HOSE	1
21	NUT M6	9	56	VICE HANDLE - PLASTIC	1
22	LOCKING BAR	1	57	MOVEABLE CLAMP (COLOR)	1
23	WASHER 10mm	6	58	BOLT VISE ATTACHMENT	4
24	BOLT M10x25	4	59	PLASTIC WHEEL STOP ENDCAP - BLK	2
25	LOCK WASHER 12mm	8	60	CRANK ASSEMBLY (COLOR)	1
26	NUT M12	8	61	TIRE STOP (COLOR)	1
27	SPRING	1	62	WHEEL STOP PIN	1
28	BUSH	4	63	FIXED CLAMP (COLOR)	1
29	BOLT M12x65	4	64	BOLT 18mm	6
30	NUT M10	4	64.1	BOLT 25mm	4
31	COTTER PIN	2	65	RUBBER VISE PAD - LEFT	2
32	PLASTIC VISE END CAP - BLK	4	66	RUBBER VISE PAD - RIGHT	2
33	NUT M8	8	67	FLAT HEAD MACHINE SCREW	24
34	COMPLETE VICE ASSEMBLY (COLOR)	1			

PUMP PARTS LIST (Fig. 2)



PUMP PARTS LIST CON'T. (Fig. 2)

NO.	DESCRIPTION	QTY	NO	DESCRIPTION	QTY
1	BASE	1	24	SCREW PROTECTOR	2
2	STEEL BALL	3	25	STEEL BALL	1
3	SPRING	1	26	SPRING	1
4	SPRING	1	27	STEEL BALL	1
5	SCREW	2	28	SPRING	1
6	O-Ring	1	29	SCREW	1
7	RELEASE VALVE	1	30	SCREW	1
8	SPRING	1	31	RING	1
9	NUT	1	32	RESERVOIR	1
10	UNION NUT	1	33	FILLER PLUG	1
11	COPPER WASHER	1	34	AIR MOTOR	1
12	REGULATING PLUG	1	35	SEAL RING	1
13	SEALING RING	1	36	AIR HOSE	1
14	NYLON RING	1	37	AIR VALVE	1
15	PUMP PISTON	1	38	NYLON RING	1
16	NUT	1	39	CYLINDER	1
17	UNION NUT	1	40	O-RING	1
18	STEEL BALL	2	41	NYLON RING	1
19	BALL CUP	2	42	PISTON ROD	1
20	SPRING	2	43	NYLON RING	1
21	SCREW	2	44	TOP NUT	1
22	O-RING	2	45	O-RING	1
23	SCREW	2			



LIMITED WARRANTY

Titan 2-Post lifts and 4-Post lifts are warranted for replacement parts only to the original purchaser for a period of **5 years** from the date of purchase on equipment structure, and a period of **1 year** from the date of purchase for all power units, hydraulic cylinders, and all other assembly components such as but not limited to turn plates, slip plates, cables, chains, valves, switches etc. to be free of defects in material and workmanship under normal use.

Titan Mid-Rise and Low Rise scissor lifts are warranted for replacement parts only to the original purchaser for a period of **1 year** from the date of purchase to be free of defects in material and workmanship under normal use.

Titan standard duty and heavy duty motorcycle lifts are warranted for replacement parts only to the original purchaser for a period of **1 year** from the date of purchase to be free of defects in material and workmanship under normal use.

Titan Bulldog Motocradle product is warranted for replacement parts only to the original purchaser for a period of **2 years** from the date of purchase to be free of defects in material and workmanship under normal use.

Titan shop equipment products and accessories are warranted for replacement parts only to the original purchaser for a period of **90 days** from the date of purchase for such as but not limited to the EZ mover jacks, Mini Jack, tie down products, shop and Bulldog accessories, dollies, stands, light duty lifts, etc. to be free of defects in material and workmanship under normal use.

For **all** warranty considerations, Titan Marketing, LLC. will supply replacement parts only (shipping, handling, and installation by other) during the warranty period. All defective parts must be returned to Titan and which, upon our examination any parts which are defective in manufacture or workmanship will be replaced or put in good operating condition. These warranties **do not** extend to **defects** caused by ordinary wear, abuse, misuse, shipping damage, improper installation, voltage or lack of required maintenance. 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. Normal wear items or service normally required to maintain the product in a safe operating condition. Any component damaged in shipment. Other items not listed but may be considered general wear parts. Damage caused by rain, excessive humidity, corrosive environments or other contaminants. **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.**



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.



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