TSL-2

SCISSOR LIFT TABLE

TREX



User Manual

[Revision 2.0]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well-ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

© T-Rex

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!



- **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**
- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Scissor Lift Table Safety

- **PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY. PLEASE KEEP THIS INSTRUCTION MANUAL SAFE FOR FUTURE USE.**
- Use a qualified person to maintain the table in good condition. Keep it clean for best and safest performance.
- The maximum load is 230kg (approx. 500lbs). DO NOT exceed this rated capacity.
- Use this table for lifting purpose only. DO NOT use it for any other purpose it is not designed to perform.
- Keep children and unauthorized persons away from the work area.
- Remove loose clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- Wear ANSI approved safety goggles when operating the table.
- Keep proper balance and footing, do not overreach, and wear non-skid footwear.
- Only use this table on a surface that is stable, level, dry and not slippery, and capable of sustaining the load. Keep the surface clean, tidy, and free from unrelated materials and ensure that there is adequate lighting.
- Set the brakes on the rear casters when loading or unloading.
- When not in use the table shall be fully lowered. Lock in a safe, dry place and keep away from children.
- Open release valve knob slowly to allow load to descend in a controlled manner.
- Before lowering table ensure that there are no obstructions underneath and that all persons are standing clear.
- Always keep your hands and feet away from moving parts.
- DO NOT allow people to sit or ride on the hydraulic table cart.
- DO NOT transport loads with hydraulic table cart in a raised position.
- DO NOT use the table if damaged, any suspect parts are noted, or it has been subjected to a shock load.
- DO NOT operate the table when you are tired or under the influence of alcohol, drugs, or any intoxicating medication.
- DO NOT make any modifications to the lift.
- DO NOT expose the table to rain or snow.
- If the table needs repairing and/or there is any part which needs to be replaced, have it repaired by authorized technicians and only use the replacement parts supplied by the manufacturer.

© T-Rex

- **WARNING: THE WARNINGS, CAUTIONS AND INSTRUCTIONS DISCUSSED IN THIS INSTRUCTION MANUAL CANNOT COVER ALL POSSIBLE CONDITIONS AND SITUATIONS THAT MAY OCCUR. IT MUST BE UNDERSTOOD BY THE OPERATOR THAT COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO THIS PRODUCT BUT MUST BE SUPPLIED BY THE OPERATOR.**

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 **Flammable Material Hazard** Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 **Read User Manual** Read and fully understand product safety warnings, operation, procedures etc before using the product.	 **Use Hand Protection** Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 **Electrocution / Electrical Shock Hazard** High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 **Toxic Fumes / Dust Hazard** Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 **Explosive Material Hazard** Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 **Cutting / Amputation Hazard** The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 **Crush Hazard** The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 **Single Operator Only** The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 **Use Face Protection** Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 **Use Foot Protection** Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 **Use Eye / Ear / Head Protection** Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 **Running Hazard** Do not run on or near the product as doing so may present a fall hazard.	 **Diving Hazard** Do not dive into the product as doing so may present a neck / head injury hazard.	 **Adult Supervision Required** Always supervise children and other users of a product to prevent drowning or injury.
 **Skin Penetration / Puncture Hazard** The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 **Hot Surface Hazard** Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 **Flying Debris Hazard** Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 **Moving Parts Hazard** Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

© T-Rex

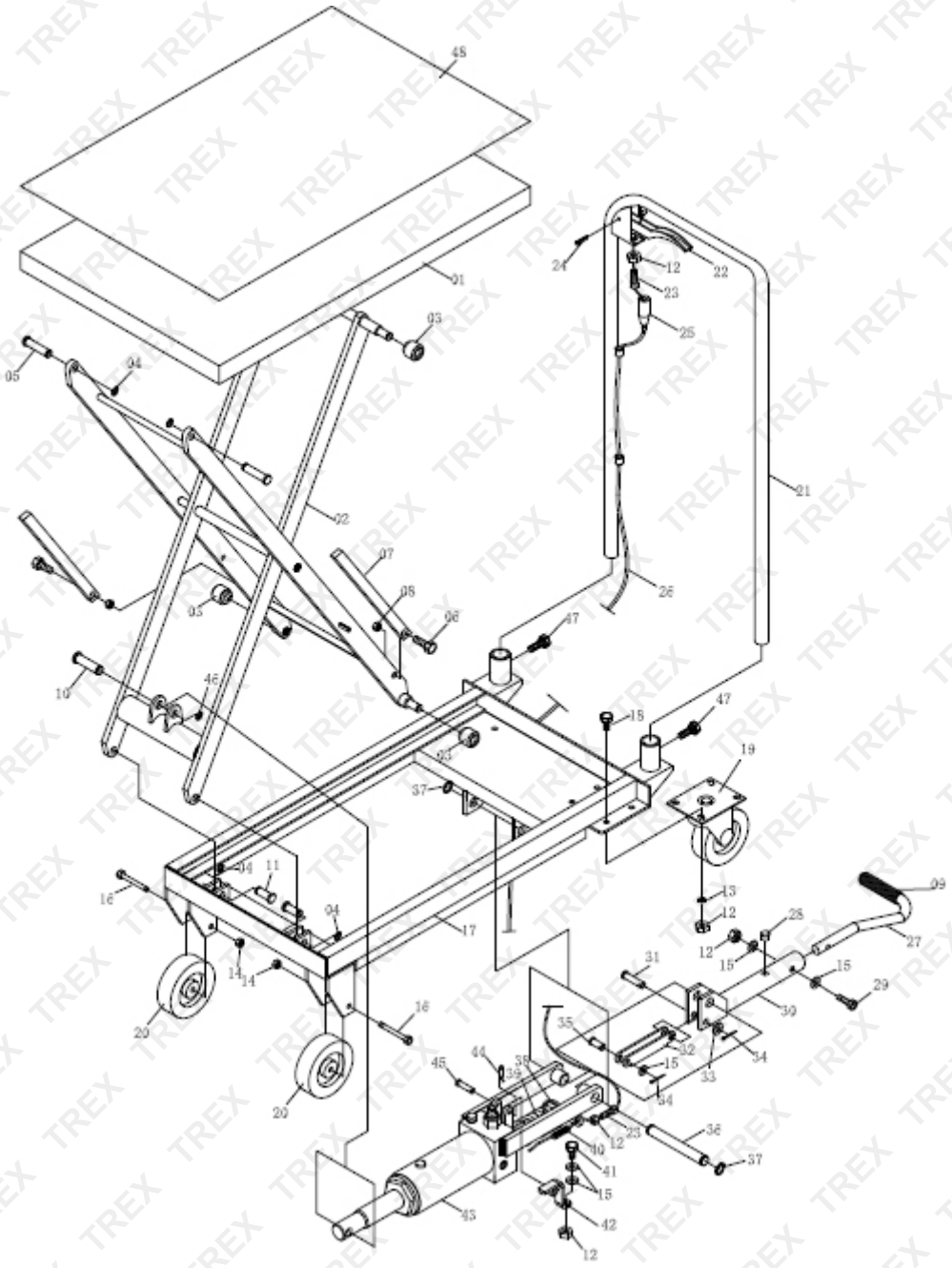
 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	 **Choking Hazard** Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

Table of Contents

Safety **2**
Safety Symbols 5
Parts Identification **8**
Lift Table 8
Pump 10
Assembly **12**
Operation **12**
Maintenance **13**
Specifications **13**

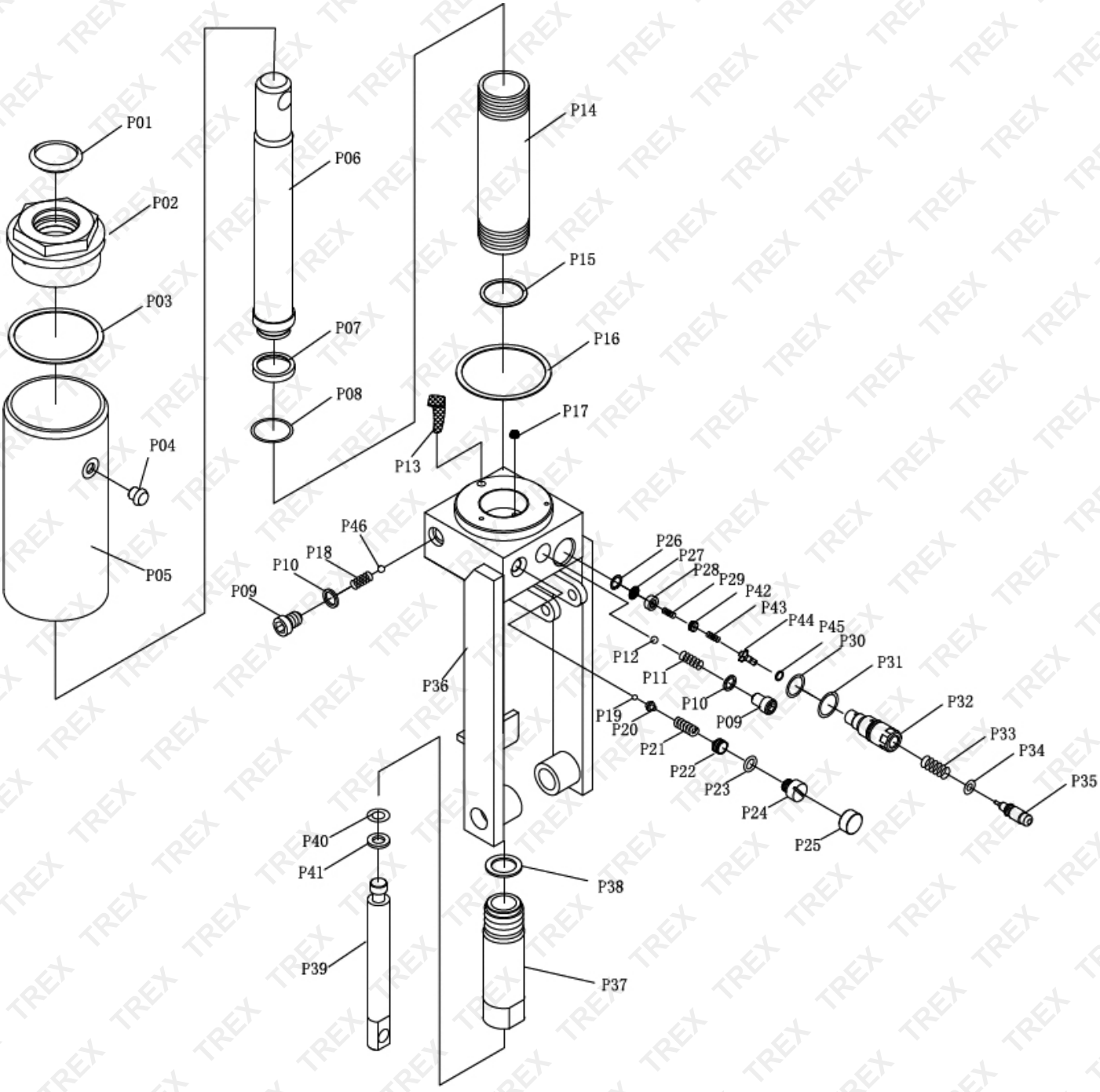
Parts Identification

Lift Table



Part No.	Description	Qnty	Part No.	Description	Qnty
1	Top table	1	25	Bolt sleeve	1
2	Lift Frame	1	26	Oil discharge wire rope	1
3	Shaft	4	27	Lifting pedal	1
4	Retaining ring ø12	4	28	Pedal rubber pad	1
5	Pin (1)	2	29	Bolt M8X35	1
6	Hex bolt	2	30	Oil pump pedal Assembly	1
7	Safety bar	2	31	Pin (4)	1
8	Nut	2	32	Connecting plate	1
9	Foot rubber sleeve	1	33	Flat washer ø10	1
10	Pin (2)	1	34	Split pin	2
11	Pin (3)	2	35	Pin (5)	1
12	Hex nut M8	12	36	Pin (6)	1
13	Washer ø8	8	37	Retaining ring	2
14	Nut M8	2	38	Spring cap	1
15	Flat washer ø8	5	39	Spring	1
16	Hex bolt M8X65	2	40	Oil return spring	1
17	Base Assembly	1	41	Clamp screw	1
18	Bolt M8X18	8	42	Oil connecting rod Assembly	1
19	Universal wheel Assembly	2	43	Spare for shop press	1
20	Fixed wheel	2	44	R-pin	1
21	Handle Assembly	1	45	Pin (7)φ8X40	1
22	Oil drain handle	1	46	Ring	1
23	Adjusting bolt	2	47	Hex bolt M8X40	2
24	Spring Pin φ6*22	1	48	Rubber plate	1

Pump


P01
P02
P03
P04
P05
P06
P07
P08
P09
P10
P18
P46
P13
P14
P15
P16
P17
P36
P26
P27
P28
P29
P42
P43
P44
P45
P30
P31
P12
P11
P10
P09
P19
P20
P21
P22
P23
P24
P25
P32
P33
P34
P35
P40
P41
P39
P38
P37

© T-Rex

Part No.	Description	Qnty	Part No.	Description	Qnty
P01	O-ring	1	P24	Plug screw	1
P02	Top nut	1	P25	Red decorative cover	1
P03	TOP nut padded	1	P26	Hole retaining ring	1
P04	Oil plug	1	P27	Copper filter	1
P05	Reservoir	1	P28	Valve core	1
P06	Ram	1	P29	Reset spring	1
P07	Pad	1	P30	O-ring	1
P08	O-ring	1	P31	O-ring	1
P09	Plug screw	2	P32	Valve base	1
P10	Washer	2	P33	Oil outlet spring	1
P11	Oil outlet spring	1	P34	O-ring	1
P12	steel ball (1)	1	P35	Valve core	1
P13	Oil filter	1	P36	Bump Assembly	1
P14	Cylinder	1	P37	Bump core base	1
P15	Cylinder washer	1	P38	Copper washer	1
P16	Reservoir pad	1	P39	Bump core	1
P17	Filter	1	P40	O seal ring	1
P18	Oil inlet spring	2	P41	Nylon ring	1
P19	steel ball (2)	1	P42	Screw	1
P20	Pressure regulating ball base	1	P43	Pad spring	1
P21	Pressure regulating spring	1	P44	Oil outlet valve core	1
P22	Pressure regulating blot	1	P45	Nylon pad	1
P23	O-ring	1	P46	Steel ball	1

Assembly

Unpack the table and check contents with list below. Should there be any damaged or missing parts, contact your supplier immediately.

Content:

- Lift table Assembly
- Lifting pedal
- Handle Assembly

1. The Table Cart is almost completely assembled when you open it. To complete the assembly, find the Diagram and Parts List.
2. Place the Lifting Pedal (27) into the Lifting Pedal Assembly (30) using Bolt (29).
3. Install the Handle (21) to the Base Assembly (17) using Bolt (47).
4. Your assembly is complete! Use the rubber mat for the table top when needed.

Operation

WARNING! Ensure that you read, understand, and apply the safety instructions and warnings before use. Failure to heed these instructions may result in property damage and/or personal injury.

1. Before loading and while stationary, lock the wheel stop supports.
2. Table is raised by activating the Lifting Pedal (27).
3. After raising the load, turn the locking bar (7) clockwise till reach the safety position. Before lowering, please turn the locking bar (7) back.

WARNING! Keep all personal clear of the Top table (1) and Base Assembly (17) when the Table is being lowered.

Maintenance

- When not in use, the table must be stored in the lowest position in a dry location to minimize ram and piston corrosion.
- Lubricate each friction point monthly with a good grease.
- Inspect all joints and bolts periodically. Remove from service if any cracking or if the frame is bent or deformed.
- If you find that the lifting range per stroke is too small, please lift the table to 2/3 of the maximum height, then loosen the oil plug(P04) and then tighten it.
- Check the hydraulic oil level. If it is not adequate, remove the oil plug(P04) on the hydraulic pump and add hydraulic oil as necessary. DO NOT use brake fluid or any other improper fluid. Only a good quality hydraulic jack oil can be used.

Specifications

Maximum Load Capacity	230kg
Pump	Hydraulic Pedal
Type	Hydraulic
Material	Powder-coated steel
Table Length	71 cm
Table Width	45 cm
Min Height	23 cm
Max Height	71 cm

Note: Assembly required

© T-Rex

Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

edisons.com.au

© T-Rex. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams, or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning, or recording, or any information storage and retrieval system, without express permission or consent from the publisher.