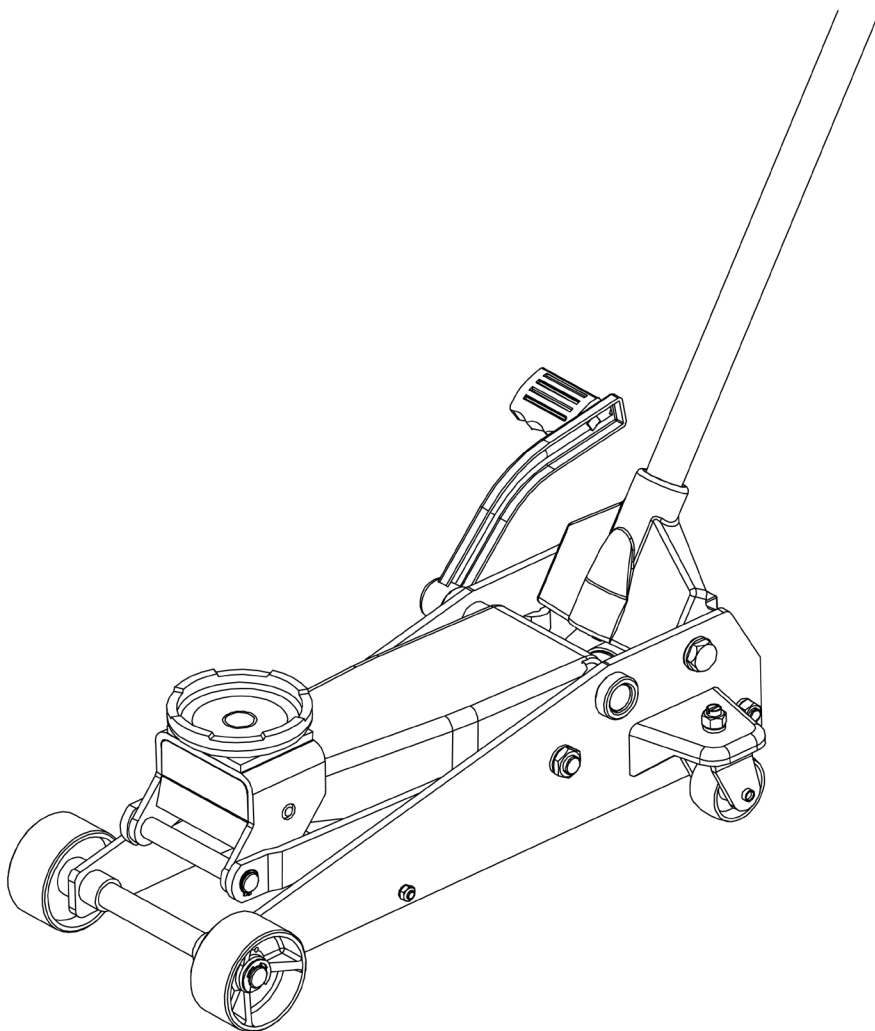




TROLLEY JACK 2.0 TONNE



TSTJ03

www.thetoolshed.co.nz

TABLE OF CONTENTS

Product Details.....3
Specifications.....3
Safety Guidelines.....4
Assembly.....7
Operation.....8
Maintenance.....9
Troubleshooting.....11
Exploded Parts List.....12

DISTRIBUTED BY:



*This product Complies with Australian/New Zealand Standard:
AS/NZS 2615:2004 Hydraulic Trolley Jacks*

Thank You

For the purchase of this ToolShed product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

Please contact us for any servicing, replacement parts, or questions you might have about your ToolShed product by visiting our website, or calling: 0800 948 665.

PRODUCT DETAILS

<i>Product Model</i>	<i>ToolShed Trolley Jack 2.0 Tonne</i>
<i>Product Code</i>	<i>TSTJ03</i>

SPECIFICATIONS

<i>Working Load Limit</i>	<i>2000kg</i>
<i>Height Lowered</i>	<i>142mm</i>
<i>Height Raised</i>	<i>500mm</i>

Note:
This manual is for your reference only. Due to the continuous improvement of the ToolShed products, changes may be made at any time without obligation or notice.

Warranty:

This product may be covered under The ToolShed warranty. For more information, see our Terms & Conditions at www.thetoolshed.co.nz

SAFETY GUIDELINES

WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away

from moving parts in the machine, or they could become caught therein.

- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from The ToolShed.
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury, or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

Service

- **Have your tools and machinery serviced at The ToolShed with ToolShed replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

WARNING

The warnings and precautions discussed in this 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.

Always Use Common Sense

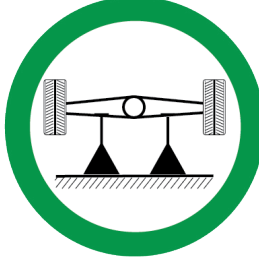
- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

SAFETY GUIDELINES

⚠ WARNING



**DEATH OR INJURY
FROM INCORRECT USE**



**USE TWO SUPPORT
STANDS**



**FLAT HARD
LEVEL GROUND**



**FREE TO ROLL DURING
LIFTING AND LOWERING**

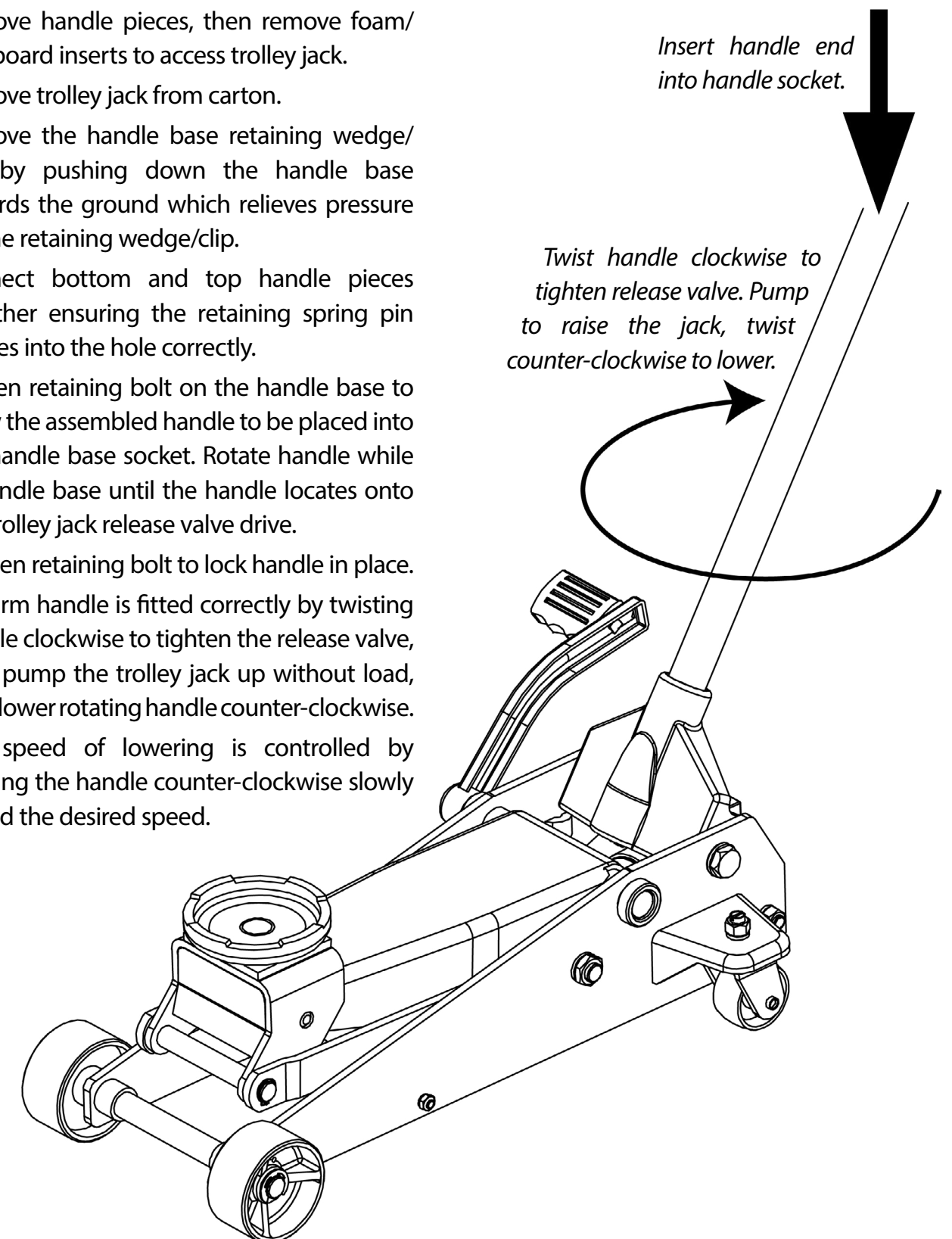
Lifting Jack Specific Safety

- Consult the vehicle manufacturer's manual prior to the lifting of the vehicle.
- Do not overload this jack beyond its rated capacity. Overloading this jack beyond its rated capacity can cause damage to or failure of the jack.
- This jack is designed for use only on hard level surfaces capable of sustaining the load. Use on anything other than hard level surfaces, can result in jack instability and possible loss of load.
- Always conduct a pre-operational check of the equipment.
- Use the hydraulic trolley jack for lifting and lowering only; the raised vehicle should be supported on suitably rated vehicle support stands.
- Use the hydraulic trolley jack on a hard level surface and ensure it is free to roll during lifting and lowering.
- No person should remain in a vehicle that is being lifted.
- Chock the unlifted wheels of the vehicle.
- Centrally locate the load on the head cap.
- Support the vehicle on suitably rated vehicle support stands and remove the hydraulic trolley jack prior to commencement of work on the vehicle.
- No person should get their body under a vehicle that is supported only by a hydraulic trolley jack.

ASSEMBLY

Follow Below Steps:

- Place carton in an open space and remove lid.
- Remove handle pieces, then remove foam/cardboard inserts to access trolley jack.
- Remove trolley jack from carton.
- Remove the handle base retaining wedge/clip by pushing down the handle base towards the ground which relieves pressure off the retaining wedge/clip.
- Connect bottom and top handle pieces together ensuring the retaining spring pin locates into the hole correctly.
- Loosen retaining bolt on the handle base to allow the assembled handle to be placed into the handle base socket. Rotate handle while in handle base until the handle locates onto the trolley jack release valve drive.
- Tighten retaining bolt to lock handle in place.
- Confirm handle is fitted correctly by twisting handle clockwise to tighten the release valve, then pump the trolley jack up without load, then lower rotating handle counter-clockwise.
- The speed of lowering is controlled by rotating the handle counter-clockwise slowly to find the desired speed.



OPERATION

To Raise Trolley Jack & Install Jack Stands

- Turn the operating handle clockwise until the release valve closes. Do not over tighten the valve.
- Place the hydraulic trolley jack directly under the vehicle lifting point so that the saddle is centrally located with lifting points.
- Pump the handle until the saddle takes a slight amount of load, then check positioning to ensure head cap is centrally loaded and will not slip from the lifting point.
- Continue pumping and raise the hydraulic trolley jack to required height. When lift is completed, place jack stands under the vehicle in the correct locations.
- It is critical to use jack stands as the load may be knocked and therefore move the hydraulic trolley jack from a safe position.
- Turn the handle counter-clockwise slowly until the hydraulic trolley jack is lowering at a desired speed, lowering the vehicle on to the jack stands.
- Remove the hydraulic trolley jack from under the vehicle and put it in a safe location while work on the vehicle is being completed.

To Remove Jack Stands & Lower Trolley Jack

- Reposition the hydraulic trolley jack to the same lifting point used to lift the vehicle.
- Rotate handle clockwise to tighten the release valve.
- Pump the handle to raise the hydraulic trolley jack to lifting point until saddle takes slight load, then check positioning to ensure the head cap is centrally loaded.
- Continue pumping and raise the hydraulic trolley jack until the jack stands are free to be removed.
- Remove the jack stands, then rotate the handle counter-clockwise slowly to lower the vehicle. Ensure when lowering the handle is VERY SLOWLY rotated to control the speed of lowering.
- Once the vehicle has been lowered and the hydraulic trolley jack is back to the lowest position, remove the jack and store in a safe location.

MAINTENANCE

- All moving parts on the trolley jack should be lubricated every month with a general purpose grease to maintain durability and safe operation of the trolley jack.
- Apply the general purpose grease to all moving parts such as wheels, rollers, lifting arm pivot points, handle base, universal joint etc. Ensure the main lifting arm pivot point is well lubricated so it does not cause excessive wear or noise when lifting loads.



WARNING

Always be sure that the tool is switched off and unplugged before attempting to perform any inspection or maintenance.

Environment & Disposal

- Packaging materials are raw materials and can be re-used. Separate the different packaging materials and take them to the appropriate waste disposal facility. More information can be obtained from your local authorities.
- Old machines do not belong in your household garbage! Dispose of old machines appropriately, we are all responsible for the environment.

Inspections

- The product shall be maintained in accordance with the product instructions. No alterations shall be made to this product.

Prior to use of the Trolley Jack:

- A visual inspection should be carried out to ensure the jack is in good working order. Look for oil leaks, loose parts, weld cracks, and that all necessary operation components are in good condition and are not worn.

After Use:

- Check again for oil leaks, loose parts, weld cracks, and that all necessary operation components are in good condition and not worn. Should the trolley jack be subject to extreme loads of shock, it is recommended the product be sent to your local ToolShed for inspection and repair. Always store the trolley jack in a fully lowered position.

Annual Inspection:

- An annual inspection is highly recommended and should be carried out by your local ToolShed.

Rust Prevention & Storage

- Check the jack every few months for any signs of rust or corrosion. Clean as needed by wiping with an oily cloth.
- When not in use, always store the jack with wheels on a horizontal surface and with the lifting arm lowered all the way.

MAINTENANCE

Check Oil Level

- Turn the release valve counter-clockwise to allow the ram to fully retract. It may be necessary to apply force to the saddle for lowering.
- Remove the inspection plate.
- With the jack in the level position, remove the oil fill plug. The oil level should be at about 10mm below the bottom of the filler hole.
- Replace the fill plug and inspection plate. Check the jack operation. Purge all air from the system as required.

Adding Oil

- When adding or replacing oil, always use SAE 10 hydraulic jack oil. Do not add any other type of oil or mix other oil with the SAE 10 hydraulic jack oil.
- DO NOT use Motor oil, Brake Fluid, Alcohol, Dirty Oil, or any other type of liquid other than the SAE 10 hydraulic jack oil. Incorrect oil or fluid will cause damage to the trolley jack hydraulic system.
- To add oil turn the release valve (handle) counter-clockwise to allow the trolley jack to completely lower.
- While on hard, level ground, remove the inspection plate, then remove the rubber oil filter plug (the plug is just pressed into place).
- The oil level should be visible just below the oil filler hole, approximately 10mm below the filler hole.
- When filling with oil, do not over fill and replace the rubber oil filler plug as soon as you have completed filling the oil to ensure the system does not get contaminated.

Air Purge

Air often enters the hydraulic system during shipment or handling of the product and is easy to rectify by following these simple steps:

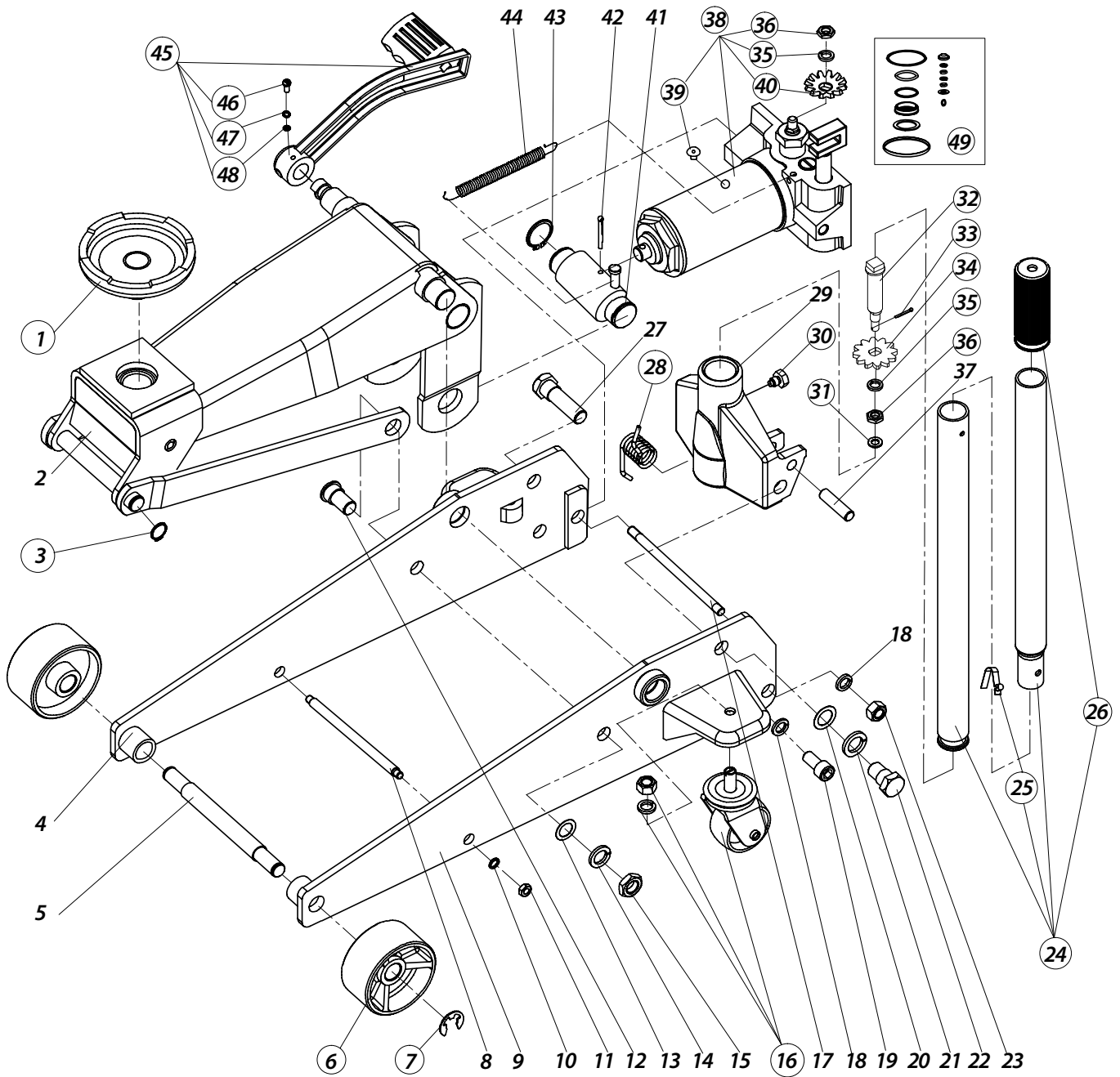
1. Place the trolley jack on a hard, level surface.
2. Turn the handle/release valve counter-clockwise to lower the trolley jack completely.
3. Pump the handle 10 – 15 times to purge any air out of the system.
4. Turn the handle/release valve clockwise until tight.
5. Pump the handle until the trolley jack completes a full lift cycle.

Now your Trolley Jack is ready to use.

TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	SUGGESTED SOLUTION
Jack will not lift to full height	Low oil level	Check oil level, top up if low.
Jack will not hold load	Release valve not closed properly	Contact your nearest ToolShed for repair advice and parts.
	Hydraulic jack oil contaminated	
	Pump valves not sealing	
	Cylinder ram binding	
Lift arm will not lower	Lift arm linkage bent or binding	Contact your nearest ToolShed for repair advice and parts.
	Part worn	
	Internal damage	
	Broken return spring or unhooked	
	Cylinder ram binding	
Jack feels spongy with lifting	Air in hydraulic system	Purge air from system.
Jack leaking oil	Damaged seal	Contact your nearest ToolShed for repair advice and parts.
	Missing oil filler plug	
	Release valve taken out	
Wheels noisy when moved	No lubrication on wheel bearings	Lubricate wheel bearings.
Jack noisy when lifting	No lubrication on moving parts	Lubricate all moving parts.

EXPLODED PARTS LIST



1	Saddle	13	Washer M16 X2	25	Handle Lock Pin	37	Pump Plunger Pin
2	Lifting Arm Assembly	14	Spring Washer M16 X2	26	Handle Cover	38	Power Unit Assembly
3	Circlip Ø16mm X2	15	Nut M16 X2	27	Shoulder Bolt M18x66.5	39	Oil Plug
4	Right Frame Assembly	16	Rear Caster Assembly X2	28	Torsion Spring	40	Helical Gear
5	Shaft for Front Wheel	17	Back Shaft	29	Handle Socket	41	Coupling Connector
6	Front Wheel X2	18	Spring Washer M12 X4	30	Handle Socket Screw M10x19	42	Cotter Pin Ø4x40mm
7	Retaining Ring Ø15mm X2	19	Socket Screw M12x25 X2	31	Washer M8	43	Circlip Ø30mm X2
8	Connected Rod	20	Washer M18 X2	32	Shaft For Spur Gear	44	Return Spring
9	Left Frame Assembly	21	Spring Washer M18 X2	33	Cotter Pin Ø2x16mm	45	Foot Pedal Assembly
10	Spring Washer M8 X2	22	Shoulder Bolt M18x35.5	34	Spur Gear	46	Hex Bolt M5x12
11	Nut M8 X2	23	Nut M12 X2	35	Spring Washer M10 X2	47	Spring Washer M5
12	Connecting Rod Pintle X2	24	Handle Assembly	36	Nut M10 X2	48	Washer M5
						49	Seal Kit