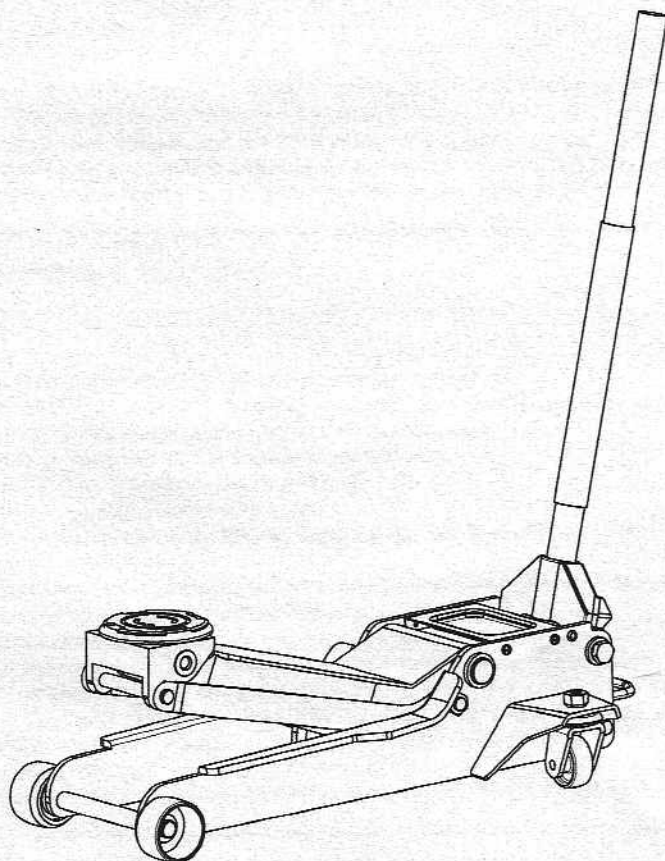


OPERATOR'S MANUAL

HILT1020


3TON GARAGE FLOOR JACK



UK
CA CE

SPECIFICATIONS

Lifting Capacity (Ton)	Max. Height (mm)	Min. Height (mm)	Gross Weight (kg)	Net Weight (kg)	Package Size (mm)
3	510	75	35	33.5	777X383X200

 Read this manual and follow all the safety rules and operating instructions before using this product.

WARNING INFORMATION



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS.

It is the responsibility of the owner to make sure all personnel read this manual prior to using the device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Tonglift for replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

THE NATURE OF HAZARDOUS SITUATIONS

WARNING

The use of portable automotive lifting devices is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of the equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Examples of hazards are dropping, tipping or slipping of loads caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, and using equipment for a purpose for which it was not designed.

METHODS TO AVOID HAZARDOUS SITUATIONS

WARNING

- Read, study, understand and follow all instructions before operating this device.
- Inspect the jack before each use. Do not use jack if damaged, altered, modified, in poor condition, leaking hydraulic fluid, or unstable due to loose or missing components. Make corrections before using.
- Lift only on areas of the vehicle as specified by the vehicle manufacturer.
- Wear eye protection that meets OSHA standards (users and bystanders).
- Do not use jack beyond its rated capacity. Do not shock load.
- **This is a lifting device only. Immediately after lifting, support the vehicle with jack stands capable of sustaining the load before working on the vehicle.**
- Use only on a hard level surface free from obstructions so the jack is free to reposition itself during lifting and lowering operations.
- Center load on saddle. Be sure setup is stable before working on vehicle.
- Do not move or dolly the vehicle while on the jack.
- Do not use any materials that may serve as risers, spacers or extenders between the stock lifting saddle and the load.
- Do not use any adapters that replace the stock lifting saddle unless approved or supplied by the jack manufacturer.
- Do not use (or modify) this product for any other purpose than that for which it was designed without consulting the manufacturer's authorized representative.
- Always lower the jack slowly and carefully.
- Failure to heed these warnings may result in serious or fatal personal injury and/or property damage.

CONSEQUENCES OF NOT AVOIDING HAZARDOUS SITUATIONS

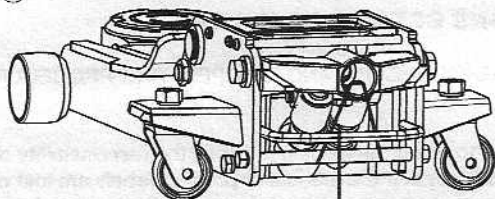
WARNING

Failure to read this manual completely and thoroughly, failure to understand its OPERATING INSTRUCTIONS, SAFETY WARNINGS, MAINTENANCE INSTRUCTIONS and comply with them, and failure to comply with the METHODS TO AVOID HAZARDOUS SITUATIONS could cause accidents resulting in serious or fatal personal injury and/or property damage.

OPERATING INSTRUCTIONS

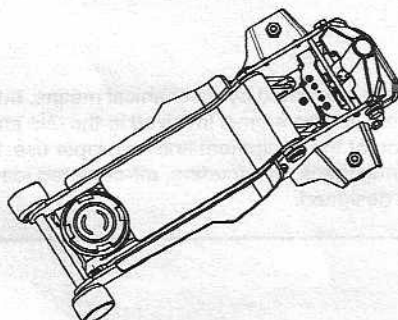
Important: Sometimes during shipment and handling, air gets into the hydraulic system, causing poor lifting performance. Before initial operation, purge any air from the system by fully opening pump release valve (turn handle counter-clockwise). Then, while holding the saddle down, pump handle rapidly several times.

①

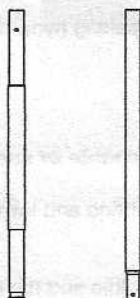


discharge the screw

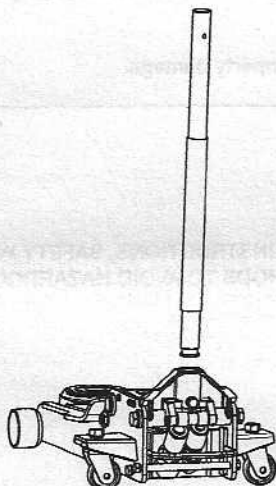
②



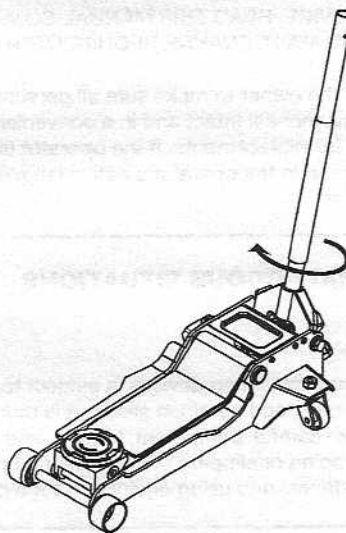
③ assembly the two handle



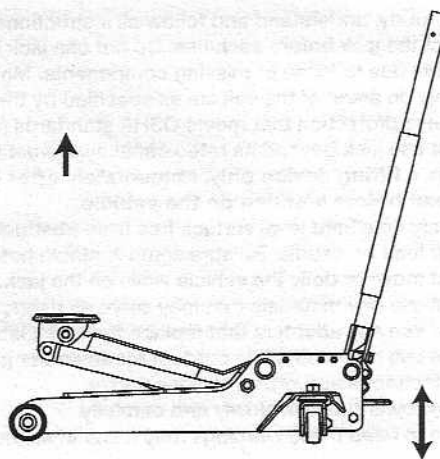
④ put the handle into the handle socket



⑤ close the release valve by turning it clockwise until it is firmly closed.



⑥ up and down the handle to lifting the jack



⑦

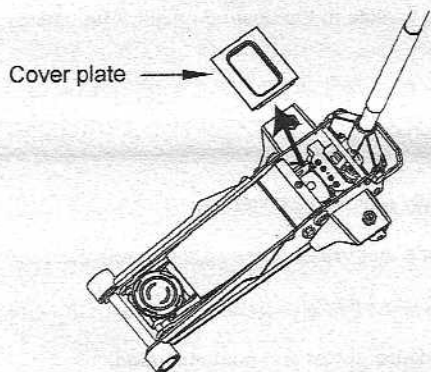


SYSTEM AIR PURGE PROCEDURE

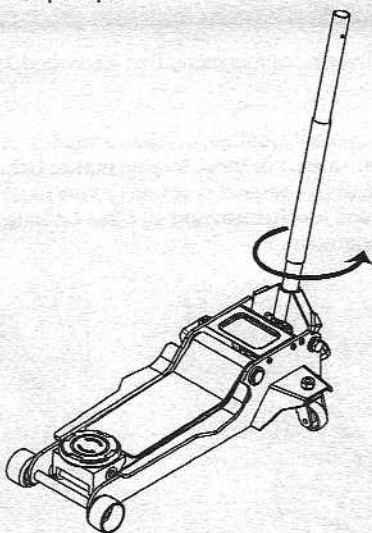
IMPORTANT: BEFORE FIRST USE

Perform the following Air Purge Procedure to remove any air that may have been introduced into the hydraulic system as a result of product shipment and handling. This step is to be completed without any weight on the jack.

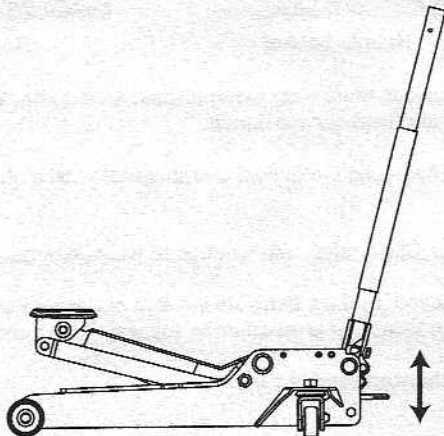
1. Remove cover plate.



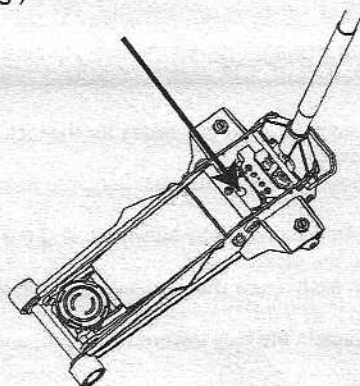
2. Turn release valve counter-clockwise on full turn to the open position.



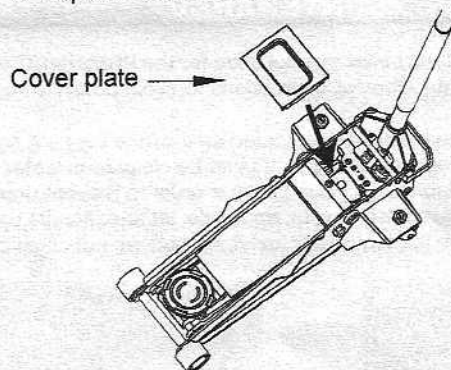
3. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



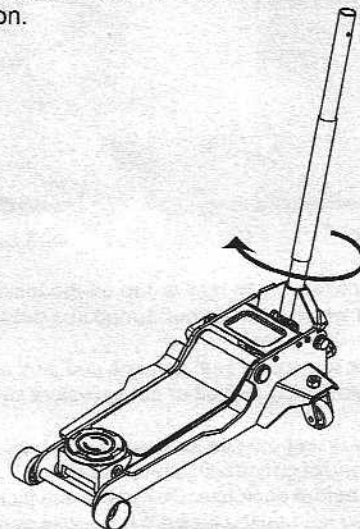
4. With a flat blade screwdriver, push the oil fill plug slightly to the side to purge trapped air from system. (Use caution not to tear or puncture the oil plug.)



5. Replace Cover Plate.



6. Turn release valve clockwise to the closed position.



7. Jack is now ready for use. Check for proper pump action. (Repeat steps if necessary).

Raising the Jack

1. Block the vehicle's wheels for lifting stability. Secure the load to prevent inadvertent shifting and movement.
2. Position the jack near desired lift point.
3. Set the Parking Brake in the vehicle.
4. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle. Position the jack so that the saddle is centered and will contact the load lifting point firmly. Raise jack by pumping handle until desired height is reached. After lifting, secure and transfer load to jack stands or other appropriate means. Do not use jack as the only means of support.
5. Assemble the handle; ensure to align with slots.
6. Close the release valve by turning it clockwise until it is firmly closed.
7. Before raising the vehicle double check and verify the saddle is centered and also has full contact with the lifting point.
8. Pump handle to lift until saddle contacts load. Continue to pump the jack handle to lift the vehicle to the desired height. After lifting, support the load with appropriately rated vehicle support stands before working on the vehicle.

Lowering the Jack

1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
2. Remove support stands.
3. Grasp the handle firmly with both hands. Securely hold on to the jack handle so your hands do not slip and ensure the release valve does not rapidly lower.
4. Carefully open the Release Valve by slowly turning the handle counter-clockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.
5. After removing jack from under the load, keep jack in the lowered position to reduce exposure to rust and contamination.

NOTE: Always store jack in the fully lowered position, and the handle in the upright position

PREVENTATIVE MAINTENANCE

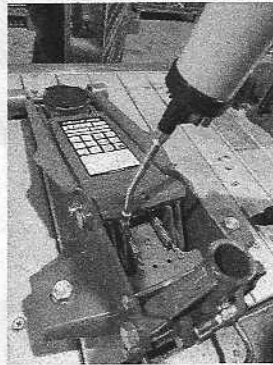


This is the safety alert symbol used for the PREVENTATIVE MAINTENANCE section of this manual to alert you to potential personal injury hazards. Obey all instructions to avoid possible injury or death.

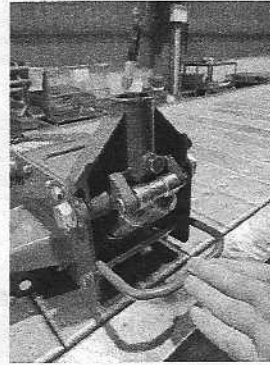
1. Always store the jack in a well protected area where they will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements. The jack must be cleaned of water, snow, sand, grit, oil, grease or other foreign matter before using.
2. The jack must be lubricated periodically in order to prevent premature wearing of parts. A general purpose grease must be applied to all zerk grease fittings, caster wheels, front axle, lift arm, handle base pivot bolts, release mechanism and all other bearing surfaces. Worn parts resulting from inadequate or no lubrication are not eligible for warranty consideration.



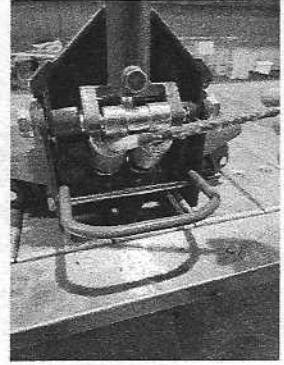
Linkage



Lifting Arm



Handle Socket



Rolloer Pin

3. It should not be necessary to refill or top off the reservoir with hydraulic fluid unless there is an external leak. An external leak requires immediate repair which must be performed in a dirt-free environment by an authorized service center.

IMPORTANT: In order to prevent seal damage and jack failure, never use alcohol, hydraulic brake fluid or transmission oil in the jack. Use Chevron Hydraulic Oil AW ISO 32 or its equivalent Unocal Unax AW 150.

4. Every jack owner is responsible for keeping the jack labels clean and readable. Use a mild soap solution to wash external surfaces of the jack but not any moving hydraulic components.
5. Inspect the jack before each use. Do not use the jack if any component is cracked, broken, bent, shows sign of damage or leaks hydraulic fluid. Do not use the jack if it has loose or missing hardware or components, or is modified in any way. Take corrective action before using the jack again.
6. Any hydraulic repairs within the warranty period must be performed by an authorized service center.

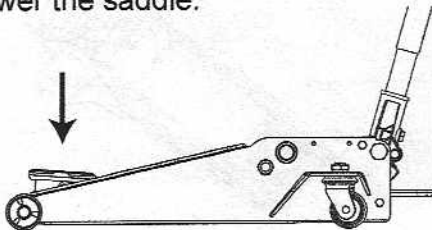
Lowering the Jack

1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
2. Remove support stands.
3. Grasp the handle firmly with both hands. Securely hold on to the jack handle so your hands do not slip and ensure the release valve does not rapidly lower.
4. Carefully open the Release Valve by slowly turning the handle counter-clockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)
5. After removing jack from under the load, keep jack in the lowered position to reduce exposure to rust and contamination.

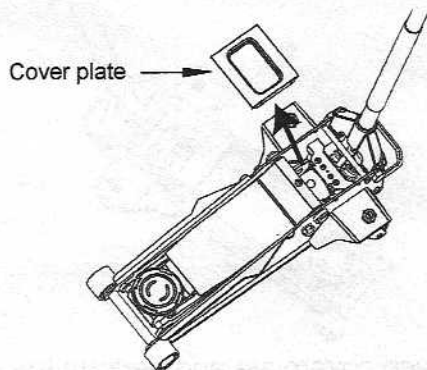
NOTE: Always store jack in the fully lowered position, and the handle in the upright position.

To Add Jack Oil

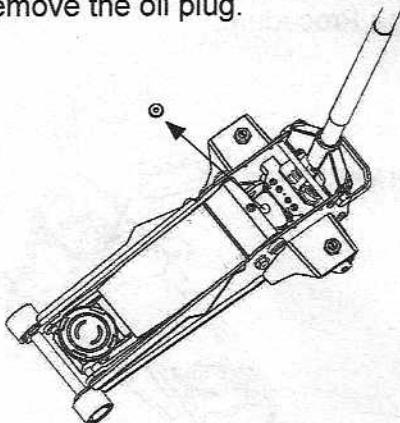
1. Position the jack on level ground and lower the saddle.



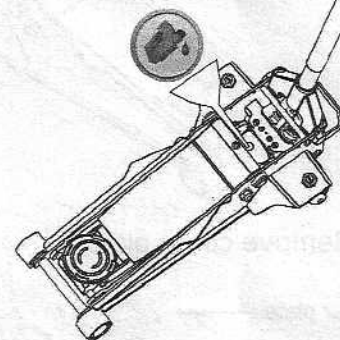
2. Remove cover plate.



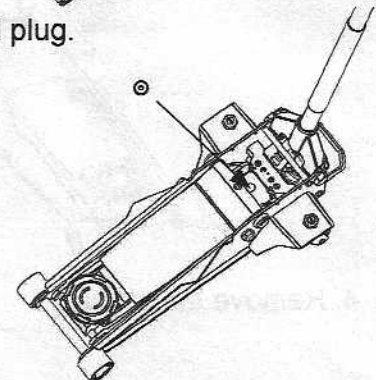
3. Remove the oil plug.



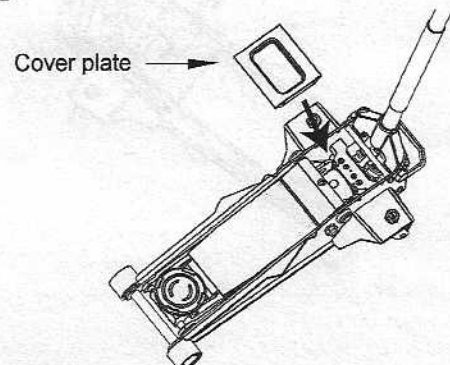
4. Fill the oil case until oil level is just beneath the lower rim of the oil fill hole.



5. Replace oil plug.

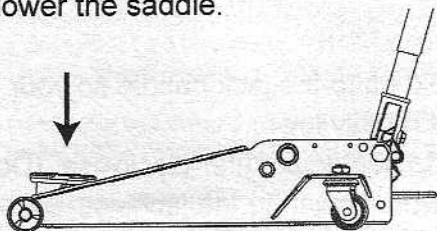


6. Replace coverplate and perform the Air Purge Procedure.

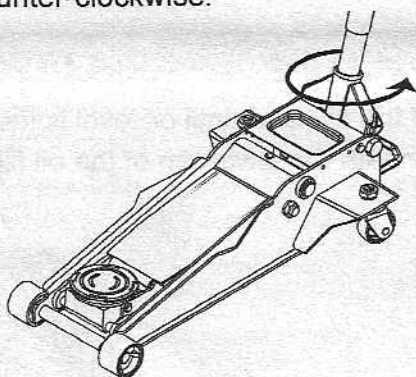


TO REPLACE JACK OIL

1. Position the jack on level ground and lower the saddle.

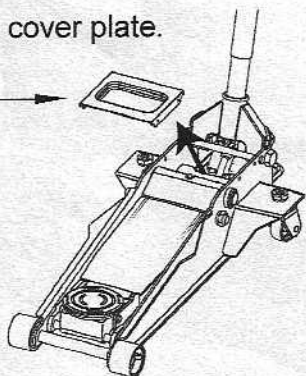


2. Open release valve by turning handle counter-clockwise.

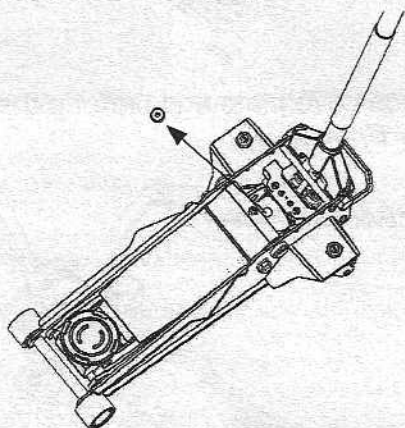


3. Remove cover plate.

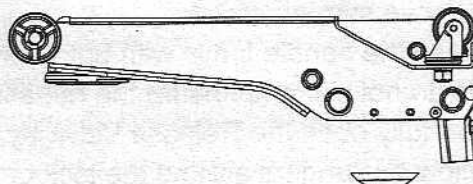
Cover plate →



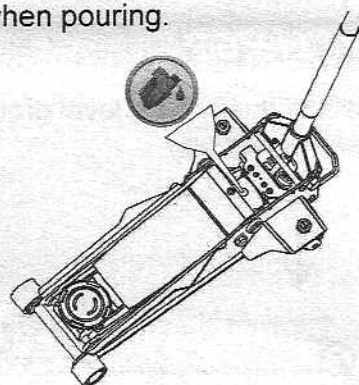
4. Remove the oil plug.



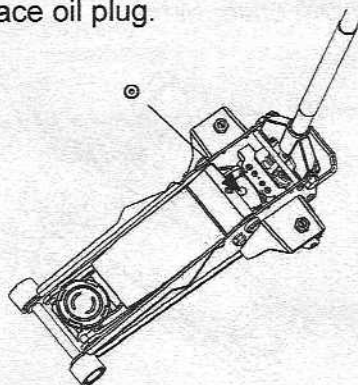
5. Turn the jack on its side to drain old oil from the oil fill hole.



6. Position the jack on level ground and keep saddle in the lowered position. Fill the oil case until oil level is just beneath the lower rim. Keep dirt and other foreign materials clear when pouring.

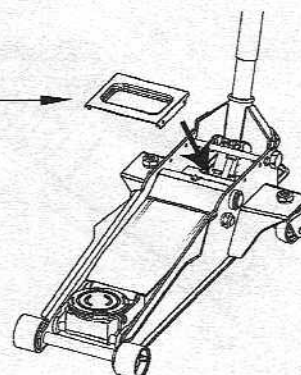


7. Replace oil plug.

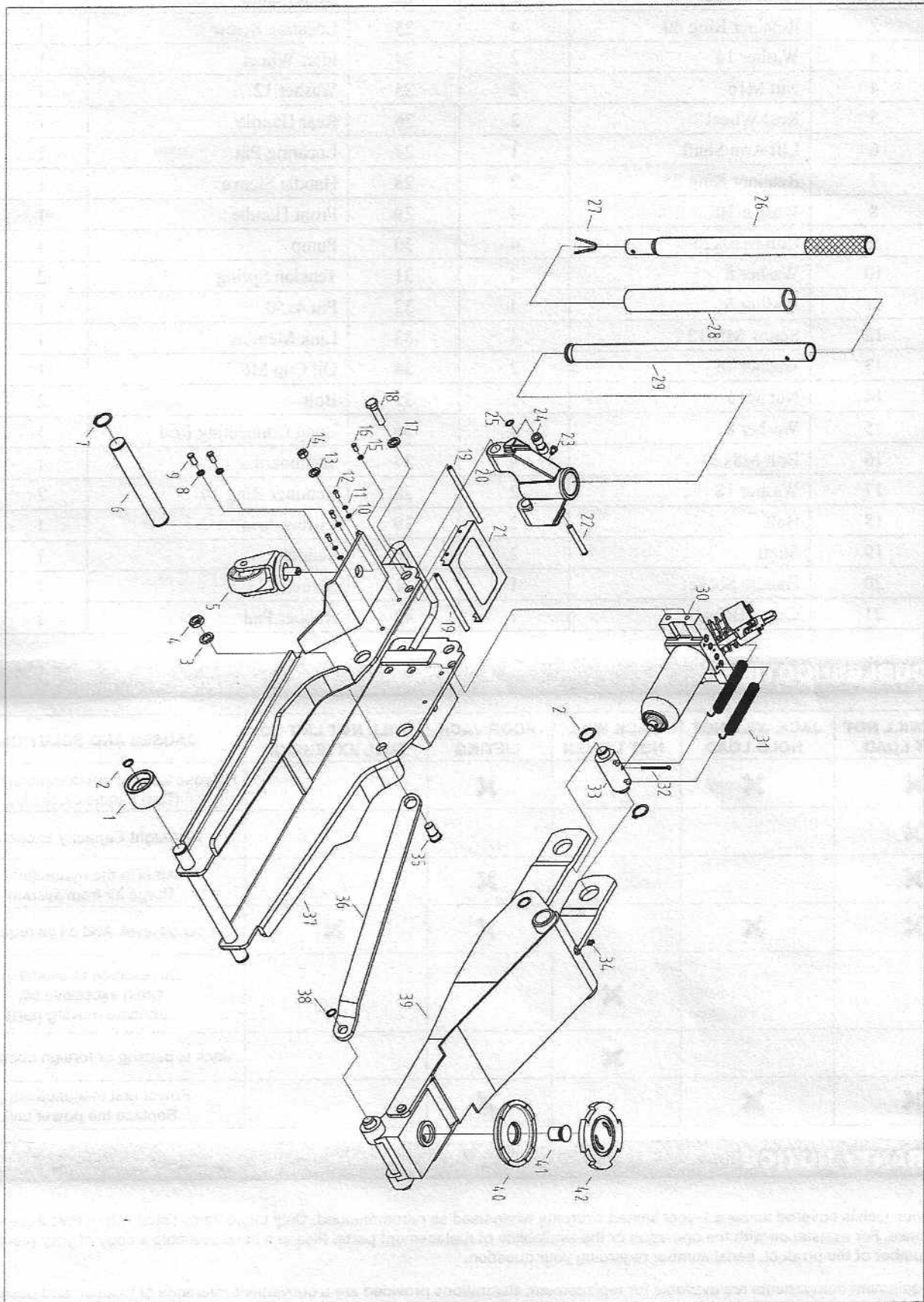


8. Replace coverplate and perform the Air Purge Procedure.

Cover plate →



MAIN BODY ASSEMBLY



Part List

Item No.	Description	Q'TY	Item No.	Description	Q'TY
1	Front Wheel	2	22	Roller Shaft	1
2	Retainer Ring 20	4	23	Locating Screw	1
3	Washer 16	2	24	Idler Wheel	1
4	Nut M16	2	25	Washer 12	1
5	Real Wheel	2	26	Rear Handle	1
6	Lift Arm Shaft	1	27	Locating Pin	1
7	Retainer Ring 25	2	28	Handle Sleeve	1
8	Washer 10	4	29	Front Handle	1
9	Bolt M10x25	4	30	Pump	1
10	Washer 5	4	31	Tension Spring	2
11	Washer 5	4	32	Pin 4x50	1
12	Screw M5x12	4	33	Link Member	1
13	Washer 16	2	34	Oil Cup M6	1
14	Nut M16	2	35	Bolt	2
15	Washer 8	4	36	Long Connecting Rod	1
16	Bolt M8x20	4	37	Wallboard	1
17	Washer 18	2	38	Retainer Ring 14	2
18	Bolt	2	39	Lifting Arm	1
19	Shaft	2	40	Saddle	1
20	Handle Socket	1	41	Screw	1
21	Cover Board	1	42	Rubber Pad	1

TROUBLESHOOTING

JACK WILL NOT LIFT LOAD	JACK WILL NOT HOLD LOAD	JACK WILL NOT LOWER	POOR JACK LIFTING	WILL NOT LIFT TO FULL EXTENSION	CAUSES AND SOLUTIONS
×	×		×		Release valve is not completely closed (Turn handle clockwise)
×					ReWeight Capacity Exceeded
×			×		Air is in the hydraulics. Purge air from system
×	×		×	×	Low oil level. Add oil as required.
		×			Oil reservoir is overfilled Drain excessive oil. Lubricate moving parts
		×			Jack is binding or foreign obstruction
×	×		×		Power unit malfunctioning. Replace the power unit

WARRANTY NOTICE

This service jack is covered under a 1-year limited warranty when used as recommended. Only those items listed with a Part # are available for purchase. For assistance with the operation or the availability of replacement parts. Please have available a copy of your receipt, the model number of the product, serial number regarding your question.

Not all equipment components are available for replacement; illustrations provided are a convenient reference of location and position in the assembly sequence.

The manufacturer reserves the rights to make design changes and or improvements to product lines and manuals without notice.