



OWNER'S MANUAL

LONG RAM JACK

TR80303, T30306, T30308, TEL40001CQ, T30506, T30508, TR80803, T30506, T30808, TQ30806



Clevis Base



Flat Base



**Clevis Base
(Air/Hydraulic)**

WARNING:

Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-888-44-TORIN (1-888-448-6746), 8 a.m.- 5 p.m., PST, Monday-Friday.

Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

IMPORTANT

Before You Begin Register This Product.

For future reference, record the model name, model number, date of manufacture and purchase date of this product. You can find this information on the product.

Model Name _____

Model Number _____

Date of Manufacture _____

Date of Purchase _____

OWNER / USER RESPONSIBILITY

DO NOT OPERATE OR REPAIR THIS PRODUCT WITHOUT READING THIS MANUAL.

Read and follow the safety instructions. Keep Instructions readily available for operators. Make certain all operators are properly trained and understand how to safely and correctly operate the product. By proceeding you agree that you fully understand and comprehend the full contents of this manual. Failure to operate this product as intended may cause injury or death. The manufacturer is not responsible for any damages or injury caused by improper use or neglect. Allow product operation only with all parts in place and operating safely. Use only genuine replacement parts. Service and maintain the product only with authorized or approved replacement parts; negligence will make the product unsafe for use and will void the warranty. Carefully inspect the product on a regular basis and perform all maintenance as required. Store these instructions in a protected dry location. Keep all decals on the product clean and visible. Do not modify and/or use for any application other than that for which this product was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted the distributor or manufacturer to determine if it can or should be performed on the product.

For technical questions please call 1-888-448-6746.

INTENDED USE

This Jack is designed for lifting. The jack can be used vertically or angled to 3 degrees from vertical position. After lifting, loads must be immediately supported by appropriate means. Each model is suitable for use in lifting or positioning vehicles, machinery, houses and/or other building structures. For air actuated use, ensure that your air source has a working range of 100-120 PSI. Tested for reliability and safety to meet ASME PASE standards.

TECHNICAL SPECIFICATIONS

Item	Model	Maximum Capacity Lbs	Minimum Height Inch	Maximum Height Inch	Maximum Capacity Kg	Minimum Height MM	Maximum Height MM
3 Ton Long Ram Jack (Flat Bottom)	TR80303	6,000	24	42-15/16	2,727	610	1090
3 Ton Long Ram Jack (Clevis Bottom)	T30306	6,000	24-3/8	43-7/8	2,727	620	1115
3 Ton Long Ram Jack Double Piston (Clevis Bottom)	T30308	6,000	24-3/8	43-7/8	2,727	620	1115
4 Ton Flat Bottom Base	TEL40001CQ	8,000	24-3/16	43-11/16	3,636	630	1110
5 Ton Long Ram Jack (Clevis Bottom)	T30506	10,000	24-3/8	43-7/8	4,545	620	1115
5 Ton Long Ram Jack Double Piston (Clevis Bottom)	T30508	10,000	24-13/16	44-1/8	4,545	630	1120
8 Ton Long Ram Jack (Flat Bottom)	TR80803	16,000	24	42-15/16	7,272	610	1090
8 Ton Long Ram Jack (Clevis Bottom)	T30506	16,000	24-13/16	44-1/8	7,272	630	1115
8 Ton Long Ram Jack Double Piston (Clevis Bottom)	T30808	16,000	24-13/16	44-1/8	7,272	630	1120
8 Ton Long Ram Jack (Air/Hydraulic) (Clevis Bottom)	TQ30806	16,000	24-13/16	43-15/16	7,272	615	1090

GENERAL SAFETY RULES

WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.

CAUTION: Do not allow persons to operate or assemble this jack until they have read this manual and have developed a thorough understanding of how the jack works.

WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

JACK USE AND CARE

Do not modify the Jack in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the Jack was designed.

- **Always check of damaged or worn out parts before using the Jack.** Broken parts will affect the Jack operation. Replace or repair damaged or worn parts immediately.
- **Store idle Jack.** When Jack is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.
- **Not for use by children** or people with reduced mental capacity.
- **Do not use under the influence of drugs or alcohol.**
- **Ensure children and other bystanders are kept at a safe distance when using product.**

INSPECTION

- Inspect the jack carefully before each use. Ensure the jack is not damaged, excessively worn, or missing parts.
- Do not use the jack unless it is properly lubricated.
- Using a jack that is not in good clean working condition or properly lubricated may cause serious injury.
- Inspect the work area before each use. Make sure it is free and clear of any potential hazards.

DO NOT OPERATE OR REPAIR THIS EQUIPMENT WITHOUT READING THIS MANUAL.

To maintain the Service Jack and user safety, the responsibility of the owner is to read and follow these instructions.

- Inspect the service jack for proper operation and function.
- Keep instructions readily available for equipment operators.
- Make certain all equipment operators are properly trained; understand how to safely and correctly operate the unit.
- Allow unit operation only with all parts in place and operating properly.
- Use only genuine replacement parts.
- Service and maintain the unit only with authorized or approved replacement parts; negligence will make the jack unsafe for use and void the warranty.
- Carefully inspect the unit on a regular basis and perform all maintenance as required.
- Store these instructions in the handle of your jack.
- Keep all decals on the unit clean and visible.

SAFETY

Always follow safety precautions when installing and operating this jack. Keep all decals on the unit clean and visible. Before proceeding ensure that you fully understand and comprehend the full contents of this manual. Failure to operate this equipment as directed may cause injury or death. The distributor is not responsible for any damages or injury caused by improper use or neglect.



THIS IS A LIFTING DEVICE ONLY!

- This jack is designed only for lifting part of the total vehicle.
- Do not move or dolly the vehicle while on the jack.
- The vehicle must be supported after lifting immediately by appropriately rated jack stands.
- NEVER go under a vehicle that is not supported with appropriately rated jacks stands.
- Use wheel chocks or other blocking device on opposing wheels before using jack stands.

WARNING:

Always use Jack Stands!

DO NOT USE wood blocks or any other non-approved load sustaining devices. The manufacturer only warrants loads to be sustained by jack stands that meet current ASME standards.

DO NOT USE wood blocks or any other non-approved lifting devices for a means of lifting with the jack and or load being raised. Failure to heed these warnings may cause injury or death.

SAFETY MARKINGS

WARNING:

1. Study, understand, and follow all instructions before operating this device.
2. Do not exceed rated capacity.
3. Use only on hard, level surfaces, with less than 3 degrees of slope.
4. Lifting device only. Immediately after lifting, support the vehicle with appropriate means.
5. Do not move or dolly the vehicle while on the jack.
6. Lift only on areas of the vehicle as specified by the vehicle manufacturer.
7. No alterations shall be made to this product.
8. Only attachments and/or adapters supplied by the manufacturer shall be used.
9. Do not get under or allow anyone under the vehicle until it has been supported by jack stands.
10. Center load on saddle prior to lifting.
11. Use wheel chocks or other blocking device on opposing wheels before using jack.
12. Never use on a lawn mower or lawn tractor.
13. Do not use this jack for any use other than the manufacturer specified usage.
14. Do not rock the vehicle while working on or around equipment.
15. The following are not recommended for supporting on this equipment: Foundations, Homes, Mobile Homes, Trailers, RV's, Campers, nor Fifth Wheels, etc...
16. Failure to heed these markings may result in personal injury and/or property damage.

GENERAL SAFETY INSTRUCTIONS

Position the jack to only lift on the areas of the vehicle as specified by the vehicle manufacturer.

Always Use Jack Stands

After lifting the vehicle always support the load with appropriately rated vehicle Jacks stands before working on the vehicle.

Do Not Overload Jack

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.

Always Use on Hard Level Surfaces

This jack is designed only for use on hard level surfaces capable of sustaining the load. Use on unstable or other possible loss of load.

Chock and Block (Stabilize)

Apply parking brake in vehicle before operating jack.

A chock is a wedge for steadying an object and holding it motionless, or for preventing the movement of a wheel Chock the wheel opposite the end being lifted.

When you block a load, you secure and support a load that is being lifted. The block(s) or stabilizer(s) should have a weight capacity that is greater than the weight of the load which is being lifted.

Center Load on Jack Saddle

Center load on jack saddle before lifting vehicle.

Off-center loads and loads lifted when the jack is not level can cause loss of load or damage to the jack.

Do not raise or lower the vehicle unless tools, materials and people are clear.

When the lift is being lowered, make sure everyone is standing at least six feet away. Be sure there are no tools or equipment left under or around the jack before lowering.

Always lower the jack slowly.

DO NOT USE THE JACK TO SUPPORT OR STABILIZE A LOAD.

Using the jack to support or stabilize a load may result in unexpected movement and result in serious injury, being crushed and death. Always securely chock and block (stabilize) the load to be lifted. Never place any part of the body under a raised load without properly chocking and supporting the load.

Never use the jack on curved or tubular vehicle

Bumpers, this will result in the vehicle slipping off the jack and falling, causing serious injury or death.

Use a bumper lift to lift most vehicles with curved bumpers or plastic bumpers.

Wear ANSI-approved safety glasses and heavy-duty work gloves during use.

Do not adjust the safety valve.

Do not move or dolly vehicle while jack is in use.

Stay alert. Use caution and common sense when operating jack. Do not use a jack when tired, incoherent, dizzy, under the use or drugs or alcohol.

Training

Read this manual before use. Do not allow anyone who has not read this manual, and/or does not understand the requirements, to use the jack.

Spectators

Do not allow bystanders around the jack or under the load supported only by the jack. -Do not allow anyone in the vehicle while the jack is in use. Keep all bystanders away from vehicle when in use.

Inspection

Inspect the jack carefully before each use. Ensure the jack is not damaged, excessively worn, or missing parts.

- Do not use the jack unless it is properly lubricated.
- Using a jack that is not in good clean working condition or properly lubricated may cause serious injury.

Additional Notes:

Save the receipt, warranty and these instructions.

Do not modify the jack in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the jack was designed.

Always check for damaged or worn out parts before using the jack. Broken parts will affect the equipment operation. Replace or repair damaged or worn parts immediately.

When jack is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.

GENERAL SAFETY INSTRUCTIONS

If you use and maintain your equipment properly, it will give you many years of service. Follow the maintenance instructions carefully to keep your equipment in good working condition. Never perform any maintenance on the equipment while it is under a load.

Inspection

You should inspect the product for damage, wear, broken or missing parts (e.g.: pins) and that all components function before each use. Follow lubrication and storage instructions for optimum product performance.

Binding

If the product binds while under a load, use equipment with equal or a larger load capacity to lower the load safely to the ground. After un-binding; clean, lubricate and test that equipment is working properly. Rusty components, dirt, or worn parts can be causes of binding Clean and lubricate the equipment as indicated in the lubrication section. Test the equipment by lifting without a load. If the binding continues contact Customer Service.

Cleaning

If the moving parts of the equipment are obstructed, use cleaning solvent or another good degreaser to clean the equipment. Remove any existing rust, with a penetrating lubricant.

Lubrication

This equipment will not operate safely without proper lubrication. Using the equipment without proper lubrication will result in poor performance and damage to the equipment. Some parts in this equipment are not self-lubricating inspect the equipment before use and lubricate when necessary. After cleaning, lubricate the equipment using light penetrating oil, lubricating spray.

- Use a good lubricant on all moving parts.
- For light duty use lubrication once a month.
- For heavy and constant use lubrication recommended every week.
- NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!

Rust Prevention:

Check rams and pump plungers on the power unit assemblies daily for any signs of rust or corrosion. Without a load lift the equipment as high as it goes and look under and behind the lifting points. If signs of rust are visible clean as needed.

Grease Fittings

Some models contain grease fittings the will regularly need to be greased and lubricated.

How the Jack Operates

With release valve closed, an upward stroke of the jack handle draws oil from the reservoir tank into the plunger cavity. Hydraulic pressure holds the valve closed, which keeps the oil in the plunger cavity. A downward stroke of the jack handle releases oil into the cylinder, which forces the ram out. This raises the saddle. When the ram reaches maximum extension, oil is bypassed back into the reservoir to prevent an over extended ram stroke and possible damage to the jack. Opening the release valve allows oil to flow back into reservoir. This releases hydraulic pressure on the ram, which results in lowering the saddle.

Storing the Jack

1. Lower the Lifting Arm.
2. Place the handle in the upright position.
3. Store in a dry location, recommended indoors.

Note: If the jack is stored outdoors, be sure to lubricate all parts before and after use to ensure the jack stays in good working condition. Always store jack in the fully retracted position when stored in outdoor or caustic environments that can cause corrosion and/or rust.

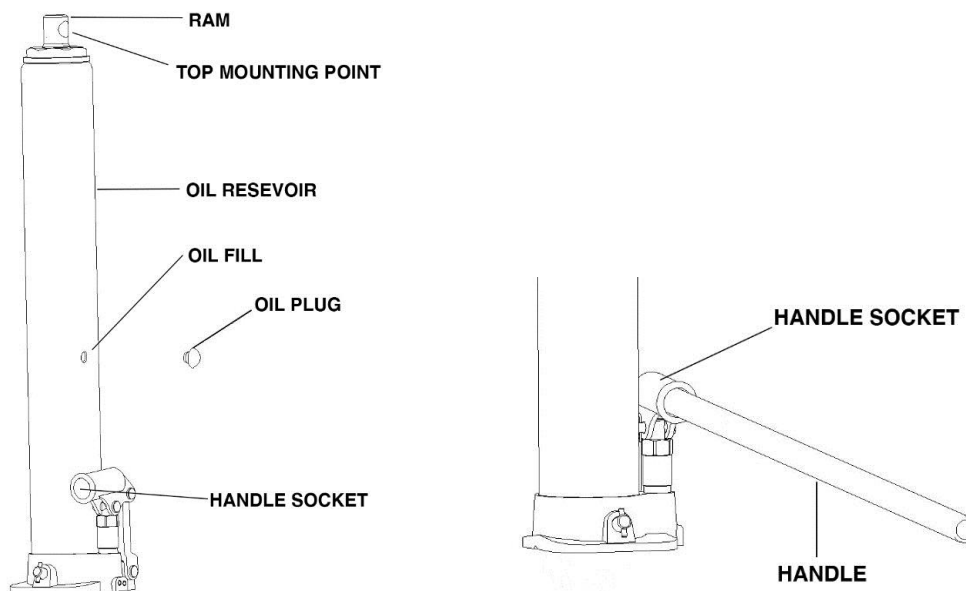
TROUBLESHOOTING

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
X	X		X		Release valve is not completely closed (Turn handle clockwise).
X					Weight Capacity Exceeded.
X			X		Air is in the hydraulics. Purge air from system.
X	X		X	X	Low oil level. Add oil as required.
		X			Oil reservoir is overfilled: Drain excessive oil. Lubricate moving parts.
		X			Jack is binding or foreign obstruction
X	X		X		Power unit malfunctioning. Replace the power unit.

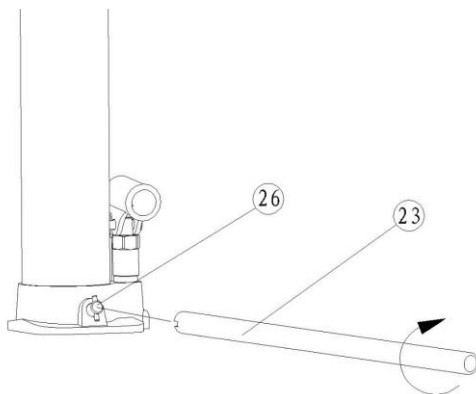
FLAT BASE LONG RAM JACK

ASSEMBLY

1. Familiarize yourself with the jack.

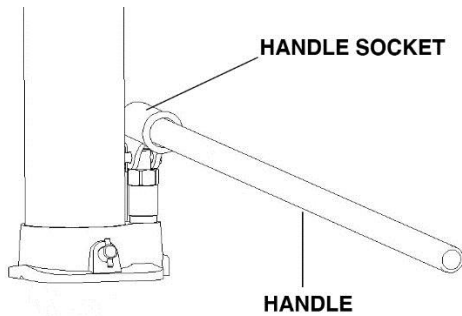


2. Use handle (21) to Turn release valve (28) counterclockwise on full turn to the open position.

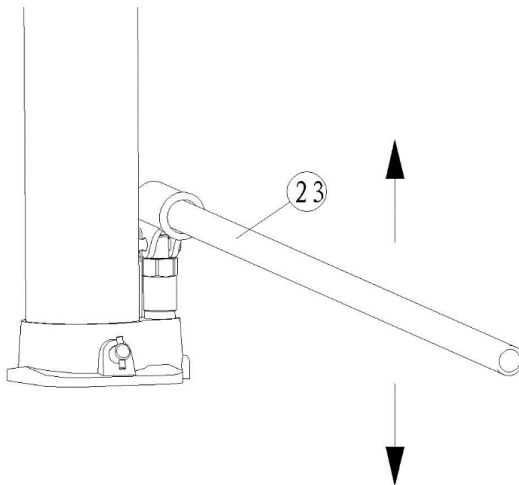


FLAT BASE LONG RAM JACK

3. Line up the handle to the handle socket located on the side of the jack, then insert the handle inside the handle socket.



4. Secure the handle in place inside the handle socket. Without any vehicle on the jack. Cycle the lift up and down several times to insure the hydraulic system is operating properly. (Perform to the Air Purge Procedure before first use.)



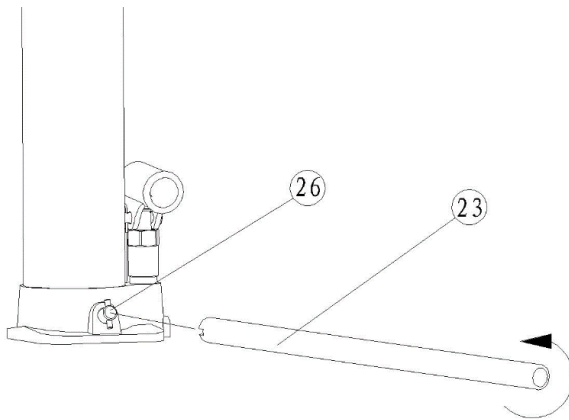
FLAT BASE LONG RAM JACK

SYSTEM AIR PURGE PROCEDURE

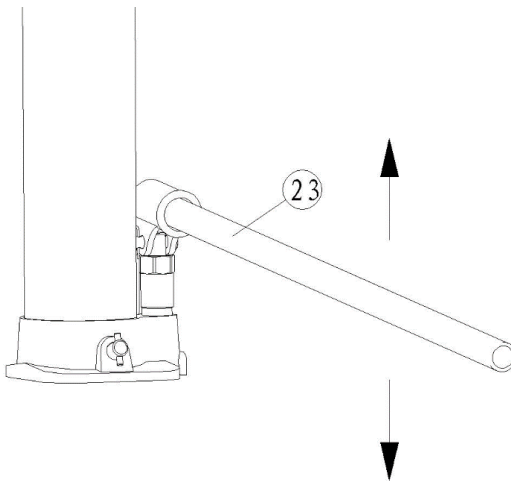
IMPORTANT: BEFORE FIRST USE

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. Turn release valve counterclockwise on full turn to the open position.



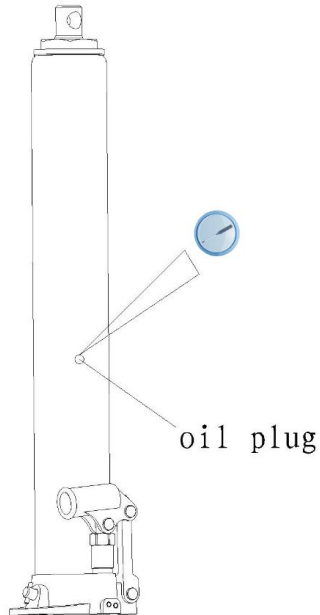
2. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



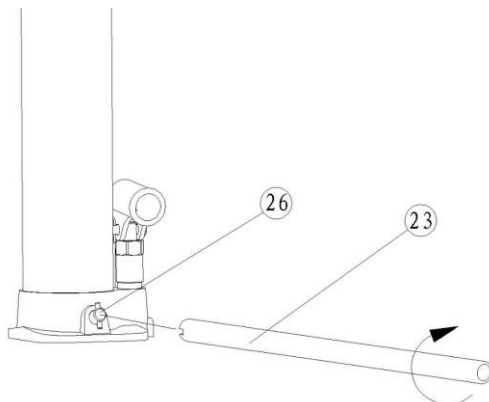
FLAT BASE LONG RAM JACK

- Purge air trap in the system by opening the attached oil vent, do not remove oil vent. Oil vent is to stay open at all times when in use. (Oil vent is closed during shipping)

For units with rubber oil plugs: {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.)}



- Turn release valve clockwise to the closed position.



- Jack is now ready for use. Check for proper pump action.

BEFORE USE

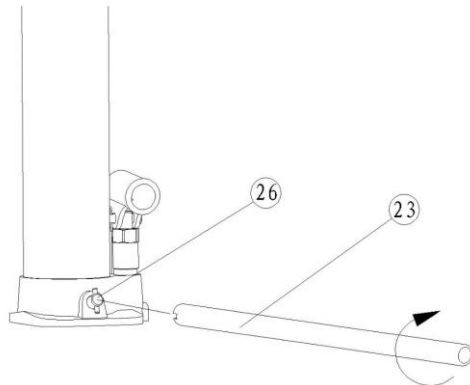
- Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.
- Perform the air purge procedure. (See previous instructions for system purge procedure.)
- Check and that the pump operates smoothly before putting into service.
- Inspect before each use. Do not use if bent, broken or cracked components are noted.

FLAT BASE LONG RAM JACK

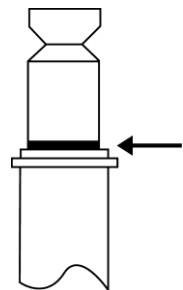
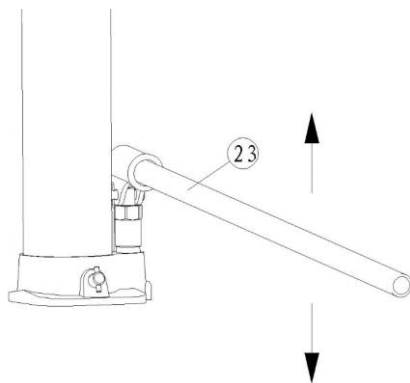
OPERATION

RAISING THE JACK

1. Position the jack near desired lift point.
2. Assemble the handle, ensure that handle aligns with handle socket.
3. Close the release valve by turning it clockwise until it is firmly closed.



4. Before raising check and verify the load is centered and also has full contact with the lifting point.
5. Pump handle or squeeze air trigger to lift to desired lifting height. (To stop air operation, simply release the grip on the lift control valve.) Continue to pump the jack handle to lift the vehicle to the desired height. After lifting, support the load appropriately before starting work.



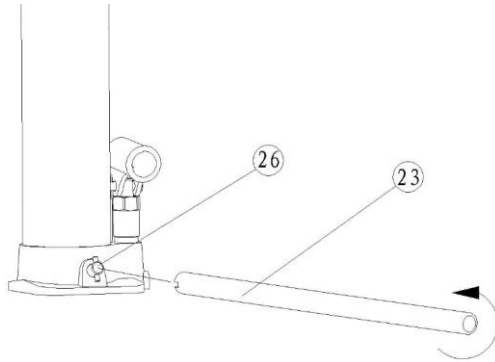
⚠ WARNING: STOP PUMPING WHEN THE RAM RISES TO THE RED STOP MARK ON THE RAM. THIS WILL PREVENT THE JACK FROM POSSIBLE MALFUNCTION AND IMPROPER USE.

⚠ CAUTION: NEVER WIRE, CLAMP OR OTHERWISE DISABLE THE LIFT CONTROL VALVE TO FUNCTION BY ANY MEANS OTHER THAN BY USING THE OPERATOR'S HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORIZED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE OPERATING HANDLE.

FLAT BASE LONG RAM JACK

LOWERING THE JACK

1. 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.
2. Carefully open the Release Valve by slowly turning the handle counterclockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)



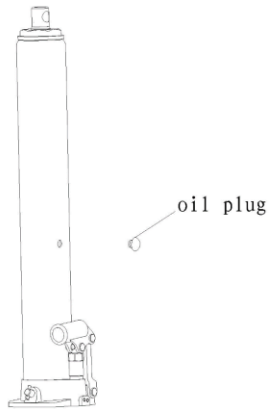
3. After removing jack from under the load, push ram and handle sleeve down to reduce exposure to rust and contamination.

⚠️ WARNING: USE EXTREME CAUTION WHEN LOWERING THE JACK. THE JACK HANDLE MAY TURN RAPIDLY. OPENING THE RELEASE VALVE TOO FAST CAN CAUSE THE JACK TO LOWER RAPIDLY. FAILURE TO HEED THESE WARNINGS COULD CAUSE SERIOUS INJURY OR DEATH.

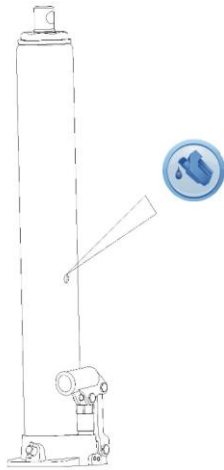
FLAT BASE LONG RAM JACK

TO ADD JACK OIL:

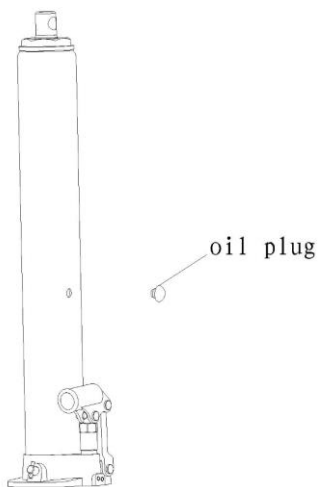
1. Position the jack on level as shown and lower the ram.
2. Remove the oil plug.



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



4. Replace oil plug.

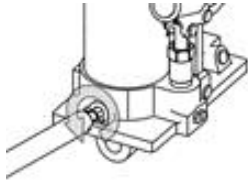


5. Perform the Air Purge Procedure.

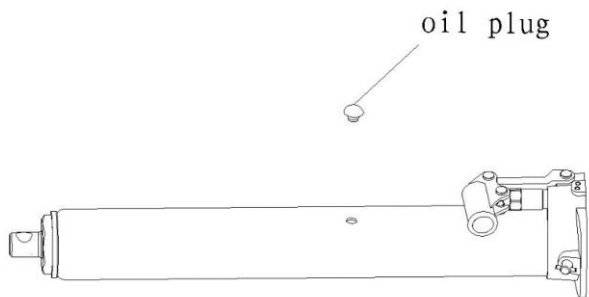
FLAT BASE LONG RAM JACK

TO REPLACE JACK OIL:

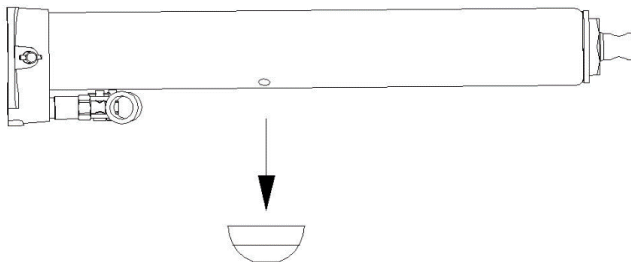
1. Position the jack on level as shown and lower the ram.
2. Open release valve by turning handle counter-clockwise (4 full turns).



3. Remove the oil fill plug.

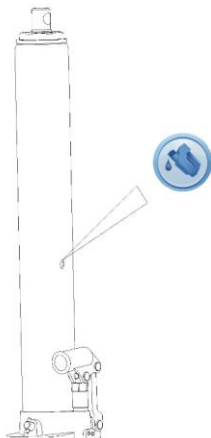


4. Turn the jack on its side so that old oil will drain from the oil fill hole.



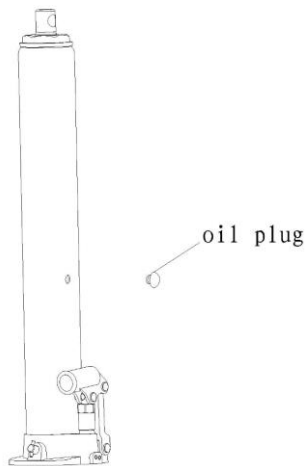
5. Position the jack on level ground and with the ram in the lowered position.
6. Fill the oil case until oil level is just beneath the lower rim.

KEEP DIRT AND OTHER MATERIAL CLEAR WHEN POURING.



FLAT BASE LONG RAM JACK

7. Replace oil plug.



8. Perform the Air Purge Procedure.



ADDITIONAL WARNINGS:

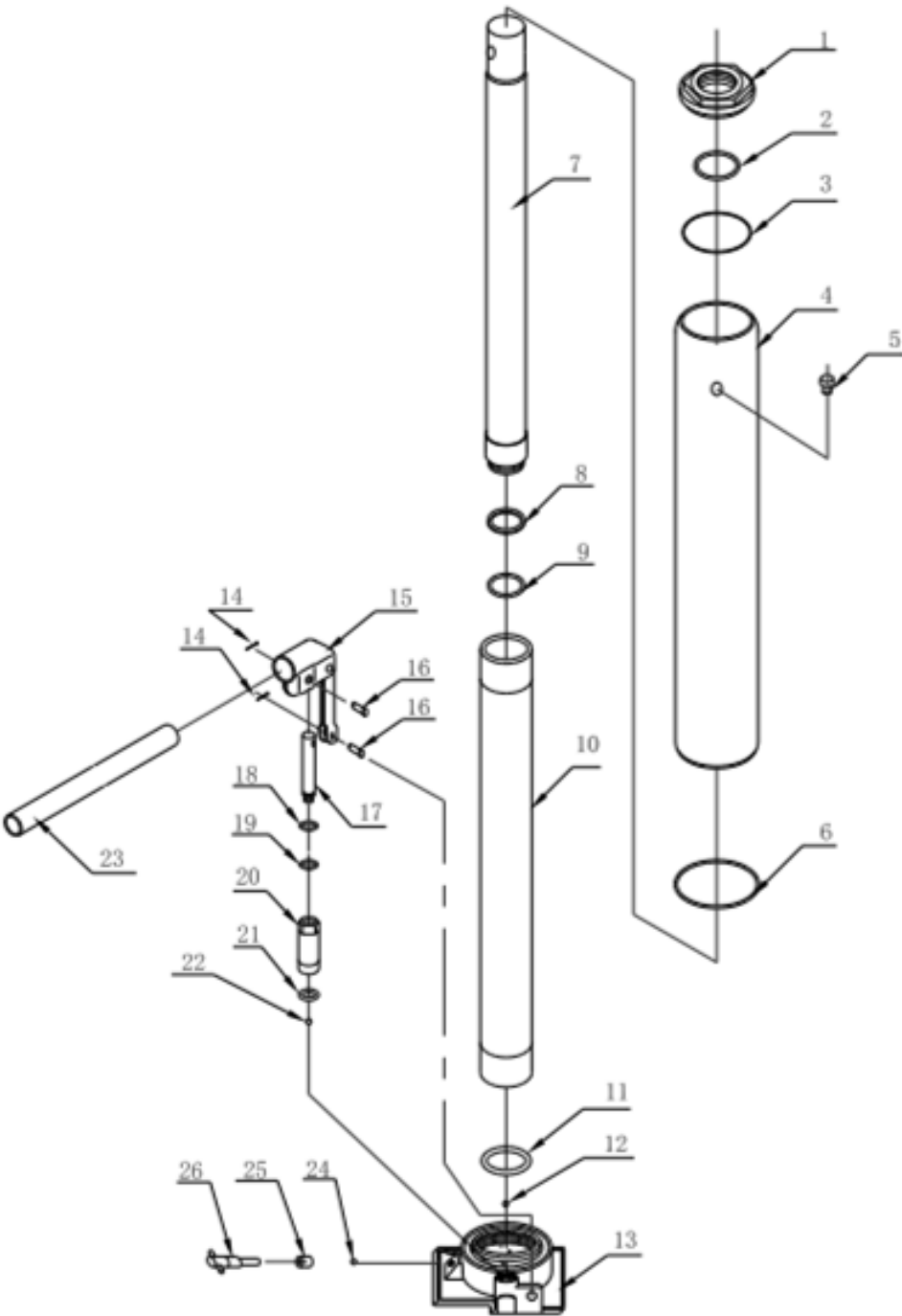
- DO NOT USE MOTOR OIL IN THE JACK.
- ONLY USE ANTI-FOAMING JACK OIL.
- ALWAYS USE A GOOD GRADE HYDRAULIC JACK OIL.
- DO NOT USE HYDRAULIC BRAKE FLUID, ALCOHOL, GLYCERINE, DETERGENT, MOTOR OIL OR DIRTY OIL.
- USE OF A NON-RECOMMENDED FLUID CAN CAUSE DAMAGE TO A JACK.
- AVOID MIXING DIFFERENT TYPES OF FLUID AND NEVER USE BRAKE FLUID, TURBINE OIL, TRANSMISSION FLUID, MOTOR OIL OR GLYCERIN. IMPROPER FLUID CAN CAUSE PREMATURE FAILURE OF THE JACK AND THE POTENTIAL FOR SUDDEN AND IMMEDIATE LOSS OF LOAD.
- DISPOSE OF HYDRAULIC FLUID IN ACCORDANCE WITH LOCAL REGULATIONS.

Additional Jack Notes:

- Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oil cloth. NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!
- When not in use, store the jack with pump piston and ram fully retracted.

FLAT BASE LONG RAM JACK

ASSEMBLY DIAGRAM



FLAT BASE LONG RAM JACK

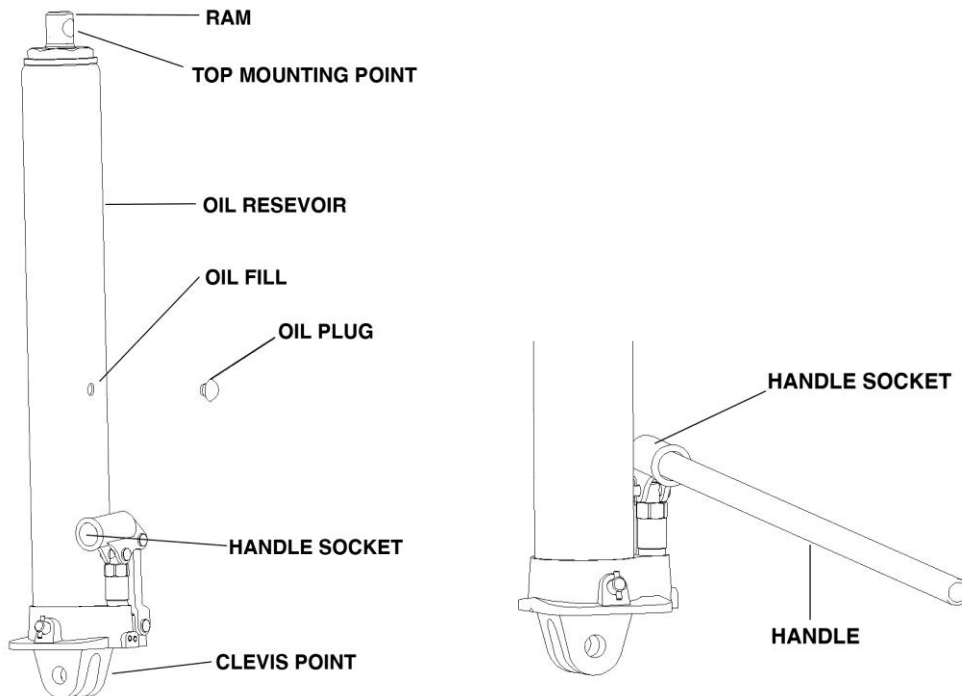
PARTS LIST

Part	Description	Part No.	Qty
1	Top Nut	TR80803-1	1
2	O-Ring	TR80803-2	1
3	Sealing Gasket	TR80803-3	1
4	Oil Tank	TR80803-4	1
5	Oil Plug	TR80803-5	1
6	Seal Ring	TR80803-6	1
7	Ram	TR80803-7	1
8	Bowl Washer	TR80803-8	1
9	O-Ring	TR80803-9	1
10	Cylinder	TR80803-10	1
11	Copper Washer	TR80803-11	1
12	Ball	GB308-84	1
13	Valve Block	TR80803-12	1
14	Ring	TR80803-13	2
15	Handle Socket	TR80803-14	1
16	Pin	TR80803-15	2
17	Plunger	TR80803-16	1
18	Back up Ring	TR80803-17	1
19	O-Ring	TR80803-18	1
20	Pump Cylinder	TR80803-19	1
21	Copper Washer	TR80803-20	1
22	Ball	GB308-84	1
23	Handle	TR80803-21	1
24	Ball	GB308-84	1
25	Sealing Gasket	TR80803-22	1
26	Release spindle	TR80803-23	1

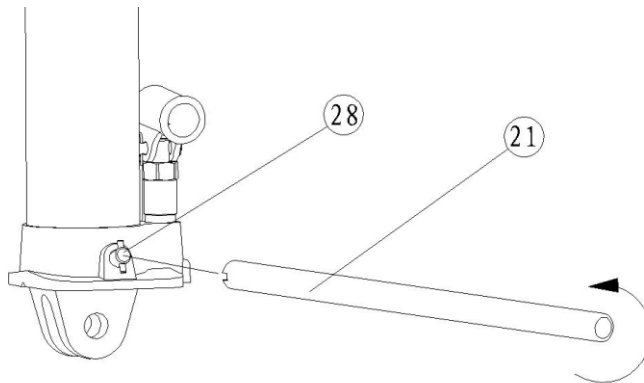
CLEVIS BASE LONG RAM JACK

ASSEMBLY

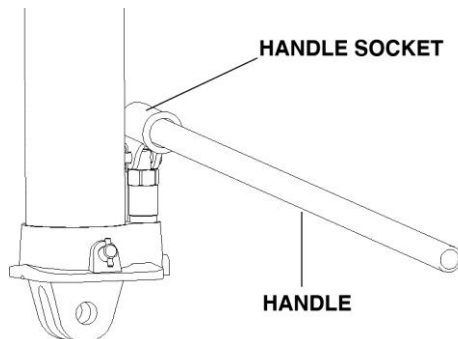
3. Familiarize yourself with the jack.



4. Use handle (21) to Turn release valve (28) counterclockwise one full turn to the open position.

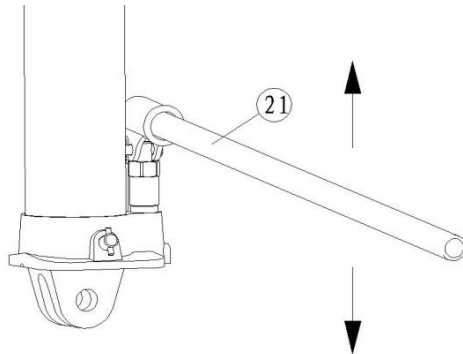


3. Line up the handle to the handle socket located on the side of the jack, then insert the handle inside the handle socket.



CLEVIS BASE LONG RAM JACK

4. Secure the handle in place inside the handle socket. Without any weight on the jack, cycle the lift up and down several times to insure the hydraulic system is operating properly. (Perform to the Air Purge Procedure before first use.)

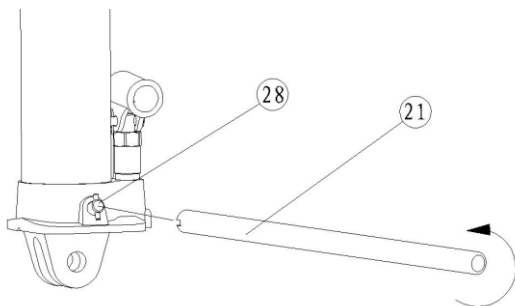


SYSTEM AIR PURGE PROCEDURE

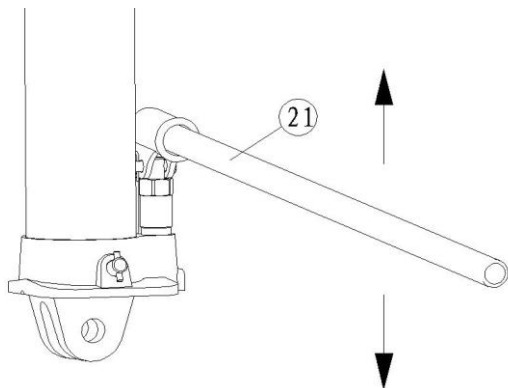
IMPORTANT: BEFORE FIRST USE

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.

6. Turn release valve counterclockwise one full turn to the open position.



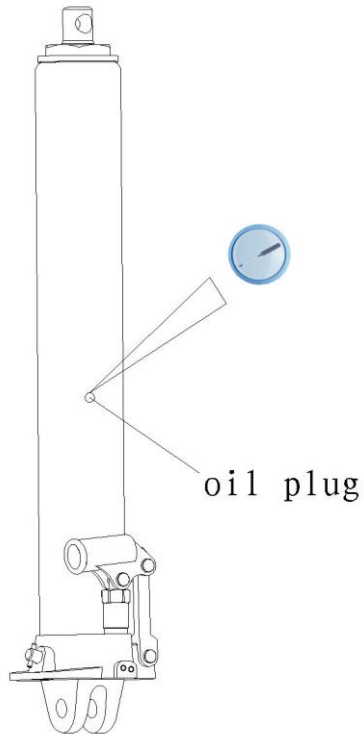
7. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



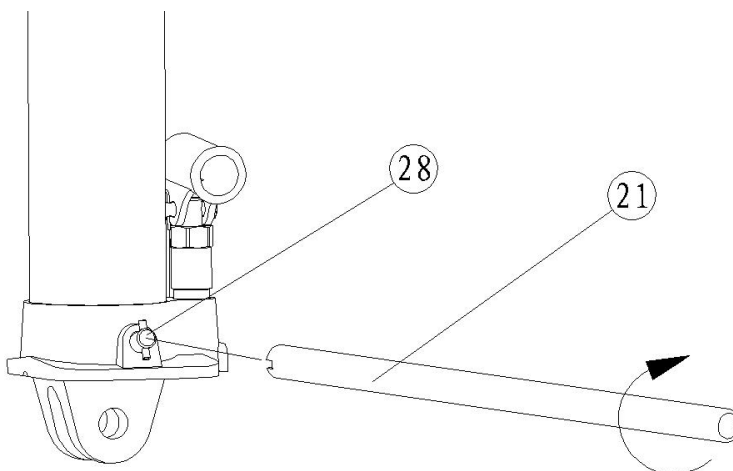
CLEVIS BASE LONG RAM JACK

- Purge air trap in the system by opening the attached oil vent, do not remove oil vent. Oil vent is to stay open at all times when in use. (Oil vent is closed during shipping)

For units with rubber oil plugs: {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.)}



- Turn release valve clockwise to the closed position.



- Jack is now ready for use. Check for proper pump action.

CLEVIS BASE LONG RAM JACK

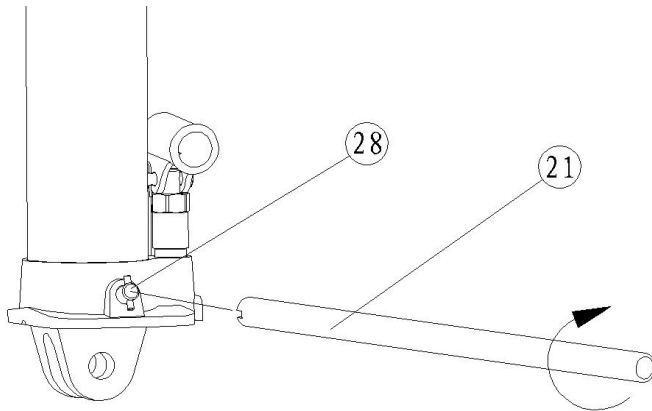
BEFORE USE

5. Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.
6. Perform the air purge procedure. (See previous instructions for system purge procedure.)
7. Check and that the pump operates smoothly before putting into service.
8. Inspect before each use. Do not use if bent, broken or cracked components are noted.

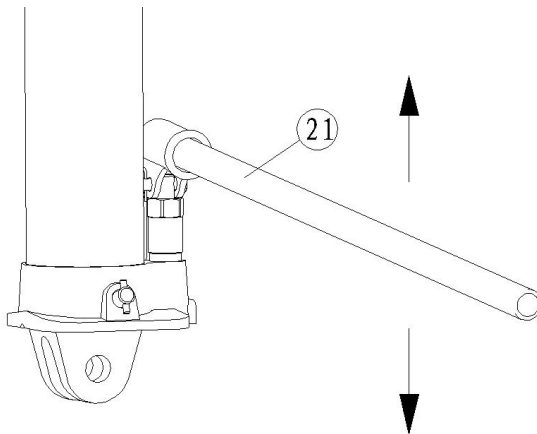
OPERATION

RAISING THE JACK

6. Position the jack near desired lift point.
7. Assemble the handle, ensuring that handle aligns with handle socket.
8. Close the release valve by turning it clockwise until it is firmly closed.



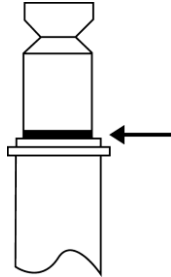
9. Before raising check and verify the load is centered and also has full contact with the lifting point.
10. Pump handle to lift to desired lifting height. After lifting, support the load appropriately before starting work.



CLEVIS BASE LONG RAM JACK



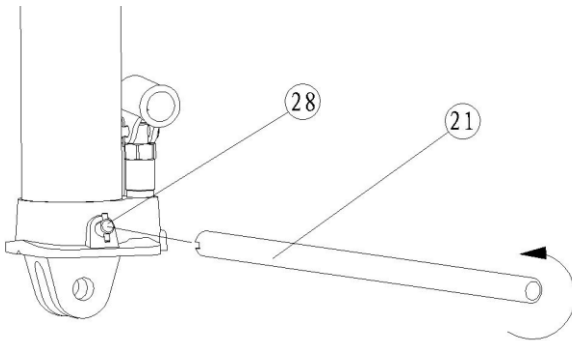
WARNING: STOP PUMPING WHEN THE RAM RISES TO THE RED STOP MARK ON THE RAM. THIS WILL PREVENT THE JACK FROM POSSIBLE MALFUNCTION AND IMPROPER USE.



CAUTION: NEVER WIRE, CLAMP OR OTHERWISE DISABLE THE LIFT CONTROL VALVE TO FUNCTION BY ANY MEANS OTHER THAN BY USING THE OPERATOR'S HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORIZED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE OPERATING HANDLE.

LOWERING THE JACK

4. 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.
5. Carefully open the Release Valve by slowly turning the handle counterclockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)



6. After removing jack from under the load, push ram and handle sleeve down to reduce exposure to rust and contamination.

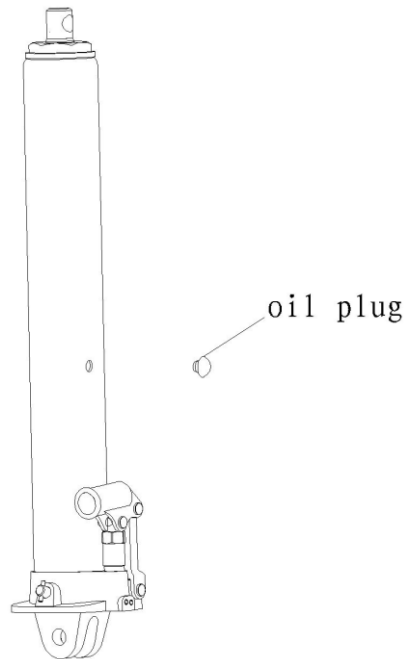


WARNING: STOP PUMPING WHEN THE RAM RISES TO THE RED STOP MARK ON THE RAM. THIS WILL PREVENT THE JACK FROM POSSIBLE MALFUNCTION AND IMPROPER USE. USE EXTREME CAUTION WHEN LOWERING THE JACK. THE JACK HANDLE MAY TURN RAPIDLY. OPENING THE RELEASE VALVE TO FAST CAN CAUSE THE JACK TO LOWER RAPIDLY. FAILURE TO HEED THESE WARNINGS COULD CAUSE SERIOUS INJURY OR DEATH.

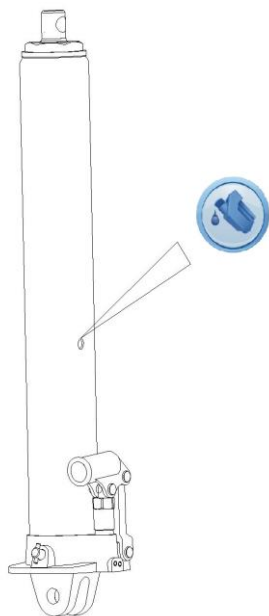
CLEVIS BASE LONG RAM JACK

TO ADD JACK OIL:

6. Position the jack on level as shown and lower the ram.
7. Remove the oil plug.

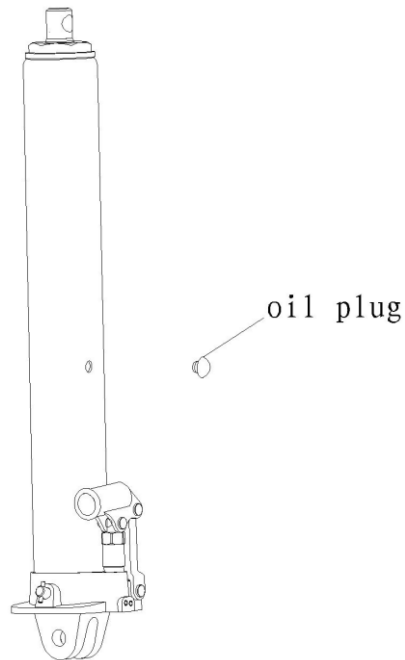


8. Fill the oil case until oil level is just beneath the lower rim of the oil fill hole.



CLEVIS BASE LONG RAM JACK

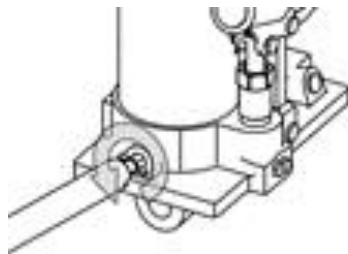
9. Replace oil plug.



10. Perform the Air Purge Procedure.

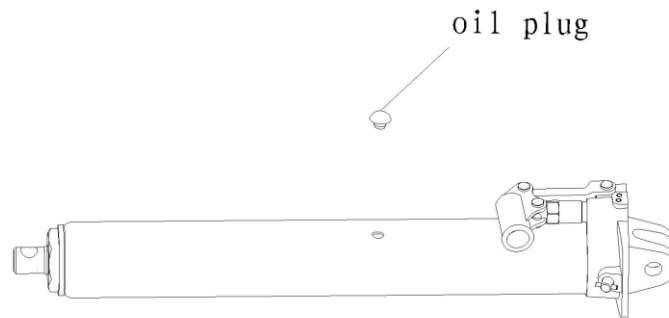
TO REPLACE JACK OIL:

9. Position the jack on level as shown and lower the ram.
10. Open release valve by turning handle counter-clockwise (4 full turns).

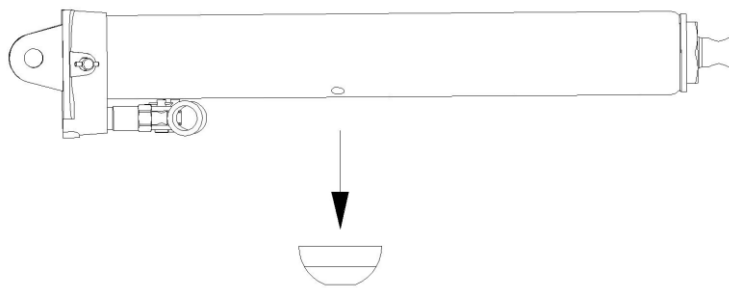


CLEVIS BASE LONG RAM JACK

11. Remove the oil fill plug.



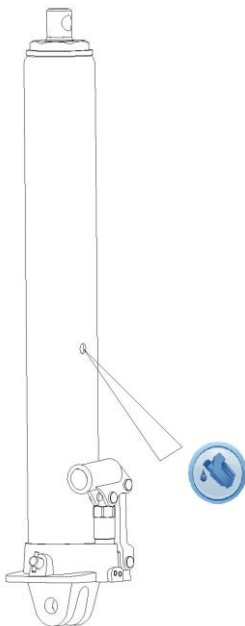
12. Turn the jack on its side so that old oil will drain from the oil fill hole.



13. Position the jack on level ground and with the ram in the lowered position.

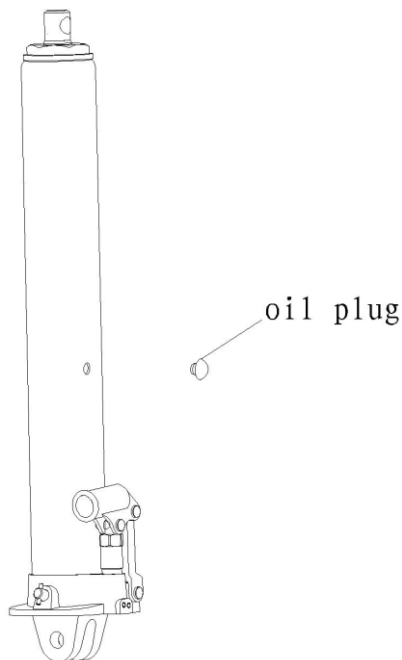
14. Fill the oil case until oil level is just beneath the lower rim.

KEEP DIRT AND OTHER MATERIAL CLEAR WHEN POURING.



CLEVIS BASE LONG RAM JACK

15. Replace oil plug.



16. Perform the Air Purge Procedure.



ADDITIONAL WARNINGS:

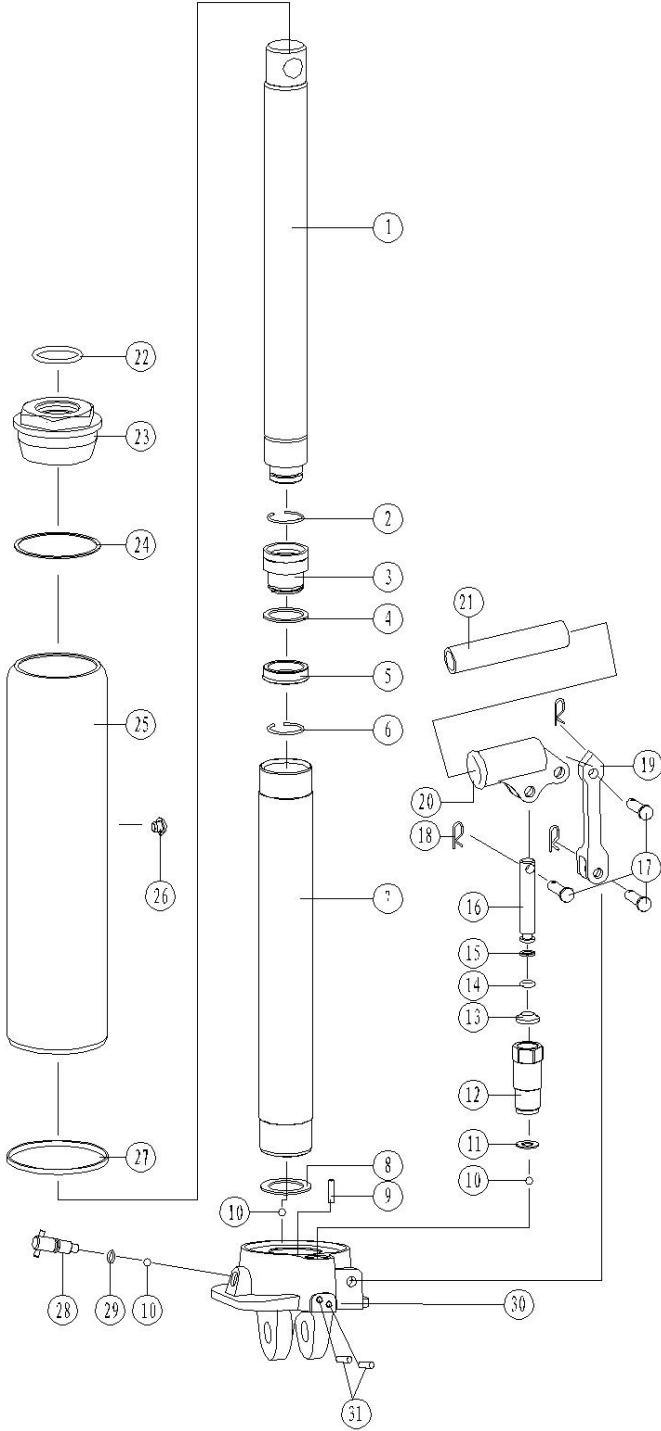
- DO NOT USE MOTOR OIL IN THE JACK.
- ONLY USE ANTI-FOAMING JACK OIL.
- ALWAYS USE A GOOD GRADE HYDRAULIC JACK OIL.
- DO NOT USE HYDRAULIC BRAKE FLUID, ALCOHOL, GLYCERINE, DETERGENT, MOTOR OIL OR DIRTY OIL.
- USE OF A NON-RECOMMENDED FLUID CAN CAUSE DAMAGE TO A JACK.
- AVOID MIXING DIFFERENT TYPES OF FLUID AND NEVER USE BRAKE FLUID, TURBINE OIL, TRANSMISSION FLUID, MOTOR OIL OR GLYCERIN. IMPROPER FLUID CAN CAUSE PREMATURE FAILURE OF THE JACK AND THE POTENTIAL FOR SUDDEN AND IMMEDIATE LOSS OF LOAD.
- DISPOSE OF HYDRAULIC FLUID IN ACCORDANCE WITH LOCAL REGULATIONS.

Additional Jack Notes:

- Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oil cloth. NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!
- When not in use, store the jack with pump piston and ram fully retracted.

CLEVIS BASE LONG RAM JACK

ASSEMBLY DIAGRAM



CLEVIS BASE LONG RAM JACK

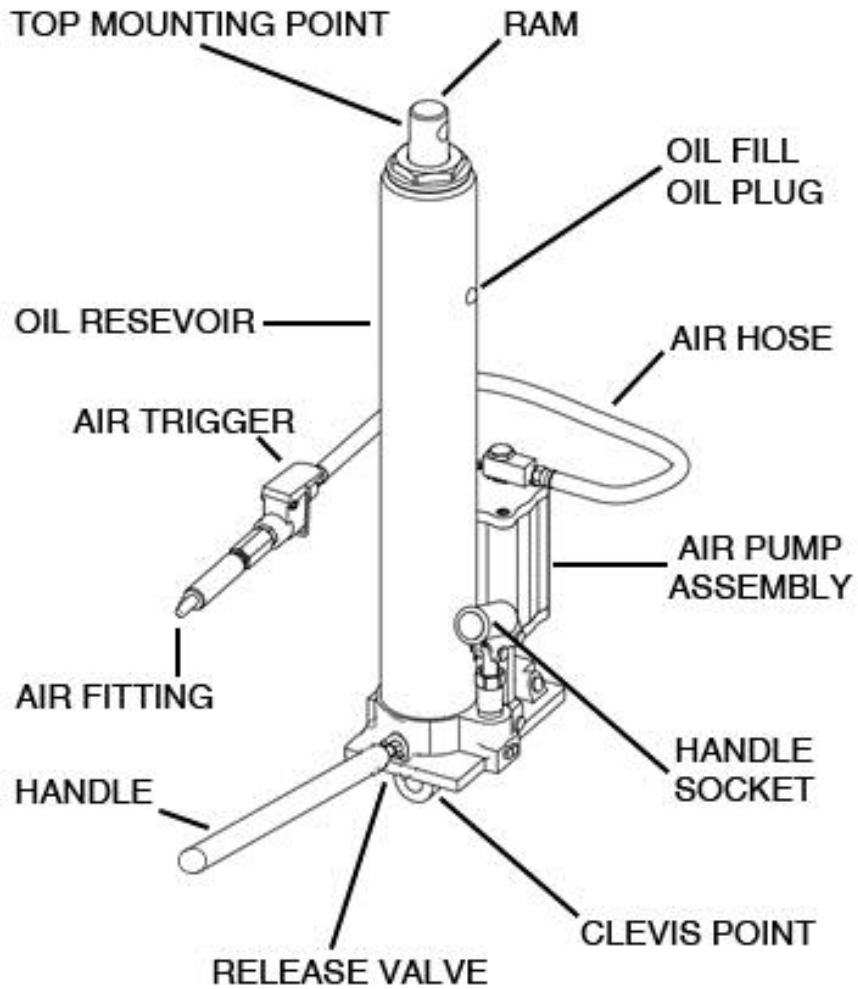
PARTS LIST

Index #	Description	Part No.	Qty.
1	T30306-01	Ram	1
2	T30306-06	Wire ring	1
3	T30306-10	Ram	1
4	T30306-12	Split washer	1
5	T30306-11	Y-Ring	1
6	T30306-09	Wire ring	1
7	T30306-03	Cylinder	1
8	QYL3.2-12	Copper Washer	1
9	T90403-35	Tube	1
10	GB308-84	Ball	3
11	QYL8-13	Copper Washer	1
12	QYL8-10	Pump Cylinder	1
13	QYL8-09	Seal Ring	1
14	QYL8-28	O-Ring	1
15	QYL8-27	Back up Ring	1
16	QYL8-26	Plunger	1
17	QYL8-19	Pin	3
18	QLQD2B-3	R-Ring	3
19	QYL8-08B	Connecting rod	1
20	QYL8-22B	Handle Socket	1
21	QYL3.2-23	Handle	1
22	GB3452.1-92	O-Ring	1
23	T30306-02	Top Nut	1
24	T90803-03	Sealing Gasket	1
25	T30306-04	Oil Tank	1
26	TF1201C-29	Oil Plug	1
27	T90803-15	Seal Ring	1
28	QYL8-25A	Release spindle	1
29	QLQ2.1-17	O-Ring	1
30	T30306-07	Valve Block	1
31	QYL8-11	Bolt	2

AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

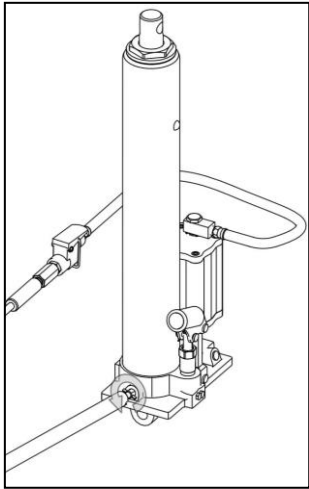
ASSEMBLY

1. Familiarize yourself with the jack.

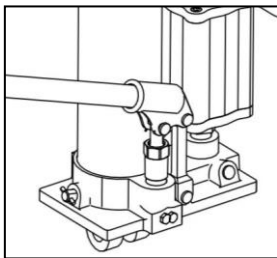


AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

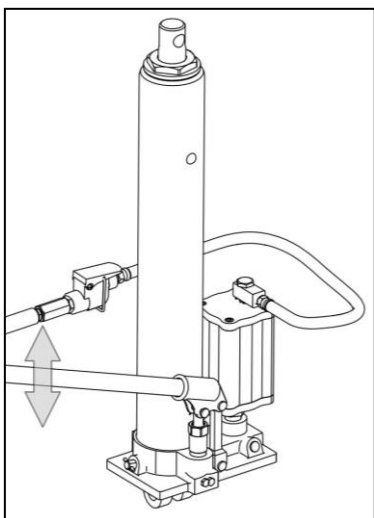
- Use handle to turn release valve counterclockwise one full turn to the open position.



- Line up the handle to the handle socket located on the side of the jack, then insert the handle inside the handle socket.



- Secure the handle in place inside the handle socket. Without any weight on the jack. Cycle the lift up and down several times to insure the hydraulic system is operating properly. (Perform to the Air Purge Procedure before first use.)



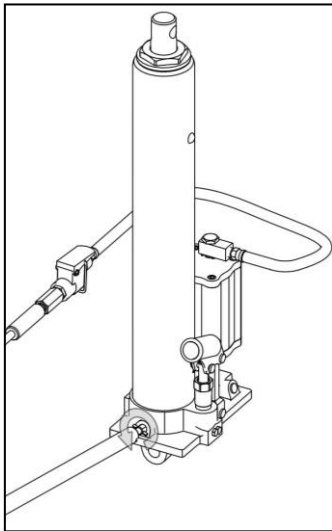
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

SYSTEM AIR PURGE PROCEDURE

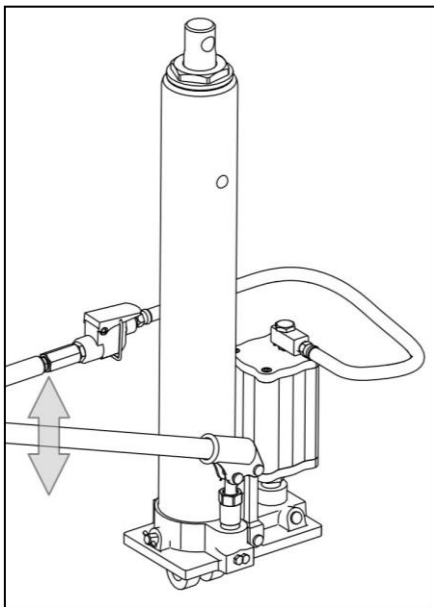
IMPORTANT: BEFORE FIRST USE

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. Turn release valve counterclockwise on full turn to the open position.



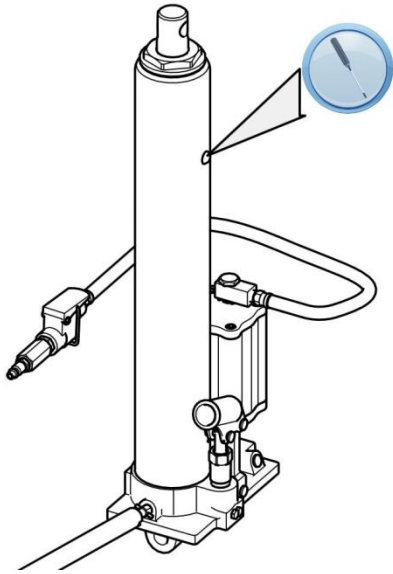
2. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



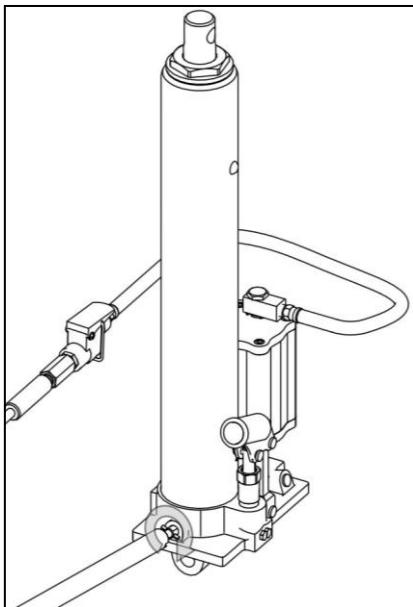
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

- Purge air trap in the system by opening the attached oil vent, do not remove oil vent. Oil vent is to stay open at all times when in use. (Oil vent is closed during shipping)

For units with rubber oil plugs: {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.)}



- Turn release valve clockwise to the closed position.

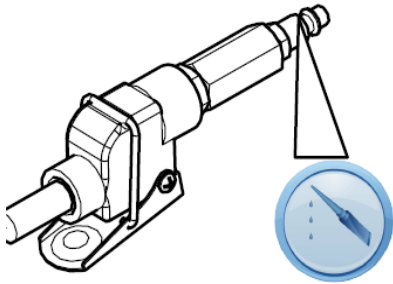


- Jack is now ready for use. Check for proper pump action.

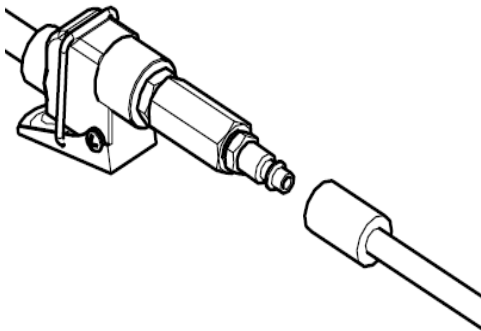
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

BEFORE USE

1. Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.
2. Perform the air purge procedure. (See previous instructions for system purge procedure.)
3. Pour a teaspoon of good quality, air tool lubricant into the air supply inlet of the lift control valve. (See illustration) Connect to air supply and operate for 3 seconds to evenly distribute lubricant.



4. Check and that the pump operates smoothly before putting into service.
5. This product is fitting use standard 1/4" NPT air fitting. If changing the fitting is required, install a 1/4" NPT fitting of your choice, ensure that thread tape or compound is used to seal connection.



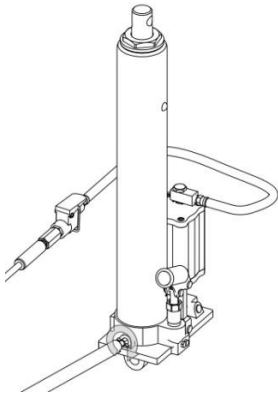
6. Inspect before each use. Do not use if bent, broken or cracked components are noted.

AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

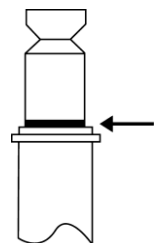
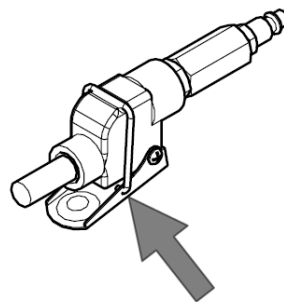
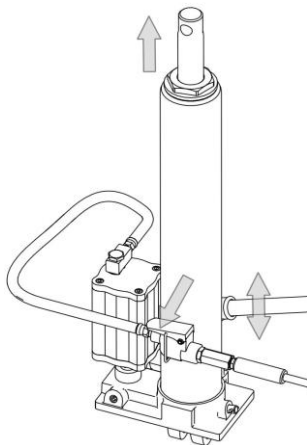
OPERATION


RAISING THE JACK


1. Position the jack near desired lift point.
2. Assemble the handle, ensuring that handle aligns with handle socket.
3. Close the release valve by turning it clockwise until it is firmly closed.



4. Before raising check and verify the load is centered and also has full contact with the lifting point.
5. Pump handle or squeeze air trigger to lift to desired lifting height. (To stop air operation, simply release the grip on the lift control valve.) Continue to pump the jack handle to lift the vehicle to the desired height. After lifting, support the load appropriately before starting work.



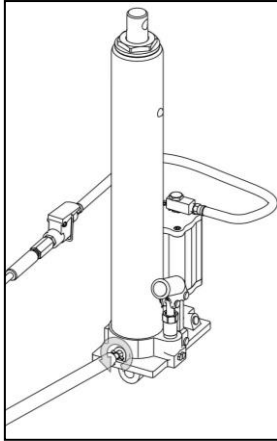
 **WARNING:** STOP PUMPING WHEN THE RAM RISES TO THE RED STOP MARK ON THE RAM. THIS WILL PREVENT THE JACK FROM POSSIBLE MALFUNCTION AND IMPROPER USE.

 **CAUTION:** NEVER WIRE, CLAMP OR OTHERWISE DISABLE THE LIFT CONTROL VALVE TO FUCTION BY ANY MEANS OTHER THAN BY USING THE OPERATOR'S HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORIZED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE AIR HOSE OR ON THE OPERATING HANDLE.

AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

LOWERING THE JACK

1. 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.
2. Carefully open the Release Valve by slowly turning the handle counterclockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.)



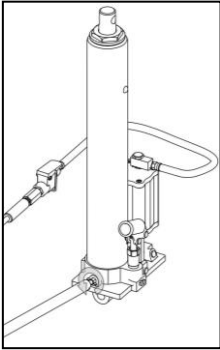
3. After removing jack from under the load, push ram and handle sleeve down to reduce exposure to rust and contamination.

! **WARNING:** USE EXTREME CAUTION WHEN LOWERING THE JACK. THE JACK HANDLE MAY TURN RAPIDLY. OPENING THE RELEASE VALVE TOO FAST CAN CAUSE THE JACK TO LOWER RAPIDLY. FAILURE TO HEED THESE WARNINGS COULD CAUSE SERIOUS INJURY OR DEATH.

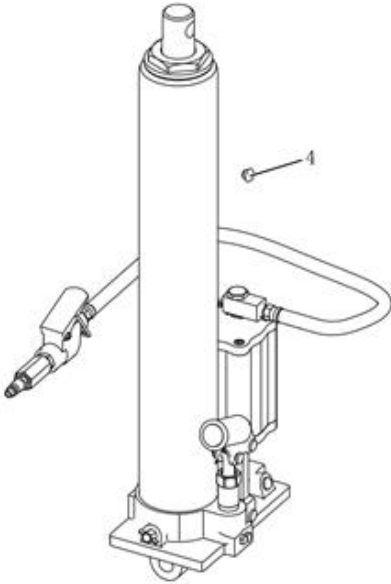
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

TO ADD JACK OIL:

1. Position the jack on level as shown and lower the ram.

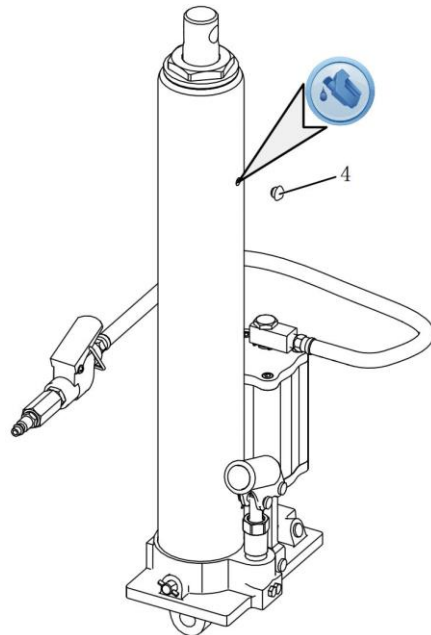


2. Remove the oil plug.

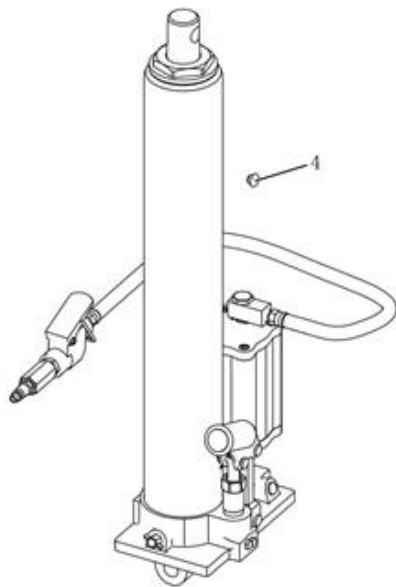


AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

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



4. Replace oil plug.

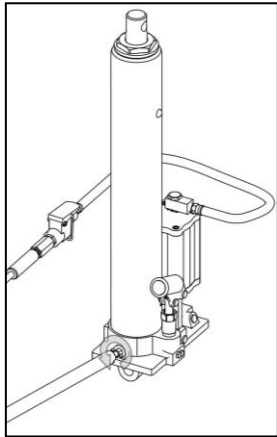


5. Perform the Air Purge Procedure.

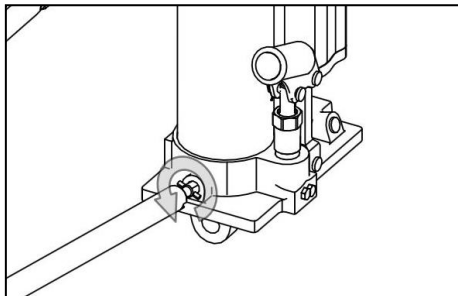
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

TO REPLACE JACK OIL:

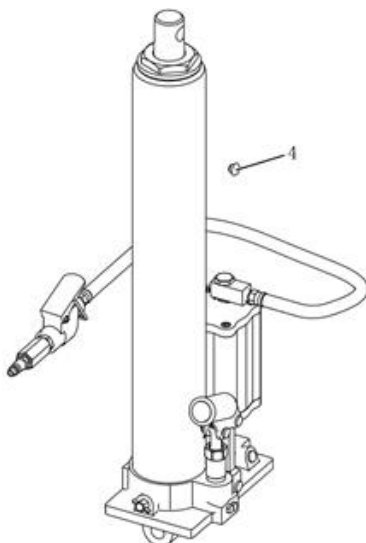
1. Position the jack on level as shown and lower the ram.



2. Open release valve by turning handle counter-clockwise (4 full turns).

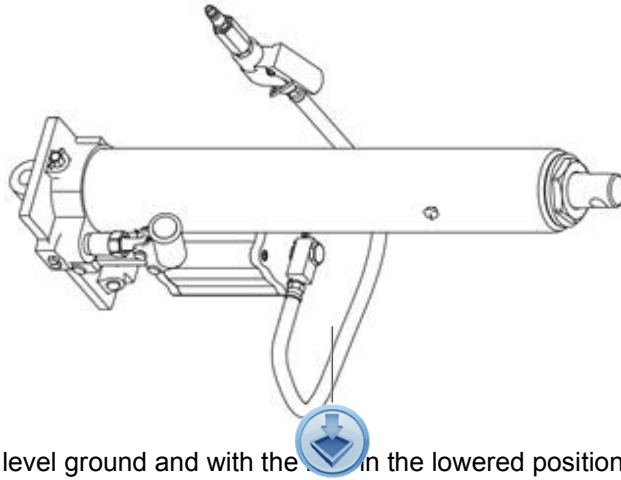


3. Remove the oil fill plug.

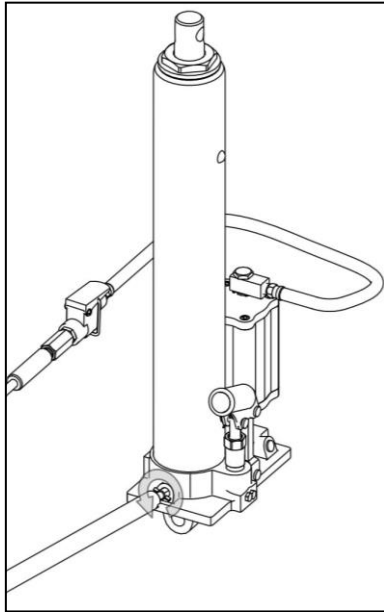


AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

4. Turn the jack on its side so that old oil will drain from the oil fill hole.



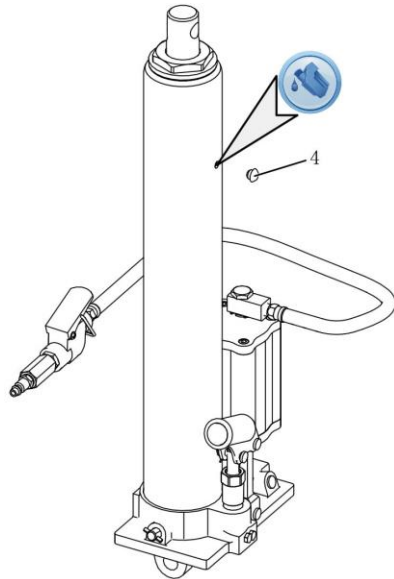
5. Position the jack on level ground and with the ram in the lowered position.



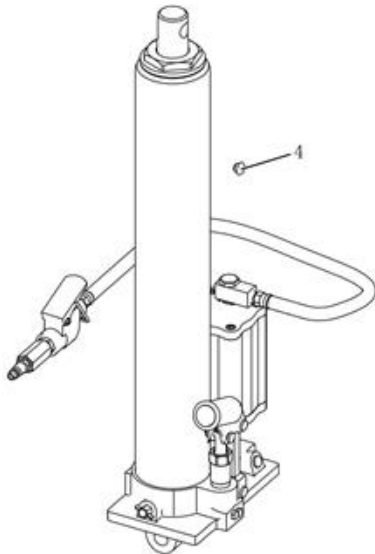
AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

6. Fill the oil case until oil level is just beneath the lower rim.

KEEP DIRT AND OTHER MATERIAL CLEAR WHEN POURING.



7. Replace oil plug.



8. Perform the Air Purge Procedure.

AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK



ADDITIONAL WARNINGS:

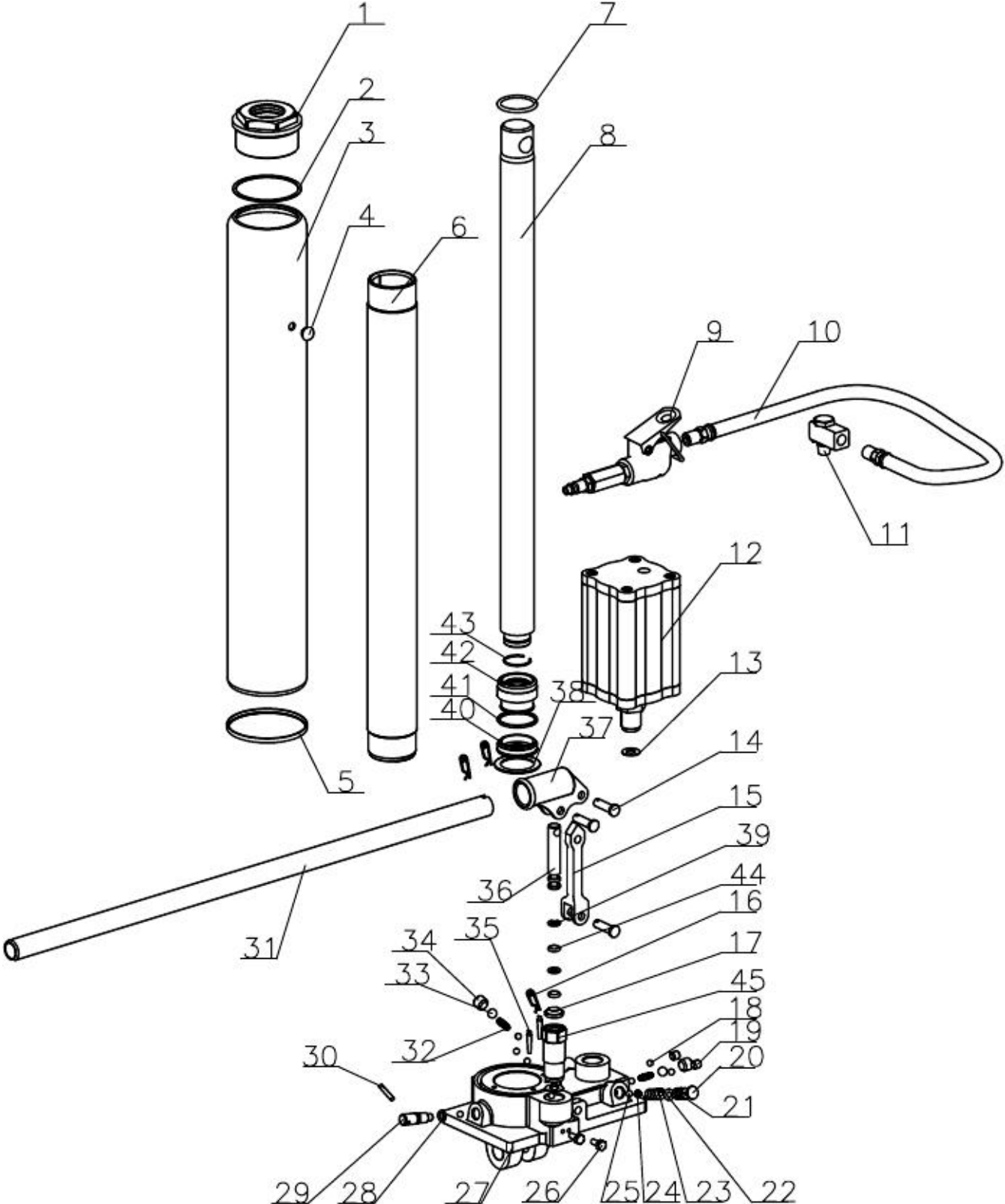
- DO NOT USE MOTOR OIL IN THE JACK.
- ONLY USE ANTI-FOAMING JACK OIL.
- ALWAYS USE A GOOD GRADE HYDRAULIC JACK OIL.
- DO NOT USE HYDRAULIC BRAKE FLUID, ALCOHOL, GLYCERINE, DETERGENT, MOTOR OIL OR DIRTY OIL.
- USE OF A NON-RECOMMENDED FLUID CAN CAUSE DAMAGE TO A JACK.
- AVOID MIXING DIFFERENT TYPES OF FLUID AND NEVER USE BRAKE FLUID, TURBINE OIL, TRANSMISSION FLUID, MOTOR OIL OR GLYCERIN. IMPROPER FLUID CAN CAUSE PREMATURE FAILURE OF THE JACK AND THE POTENTIAL FOR SUDDEN AND IMMEDIATE LOSS OF LOAD.
- DISPOSE OF HYDRAULIC FLUID IN ACCORDANCE WITH LOCAL REGULATIONS.

ADDITIONAL JACK NOTES:

- Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oil cloth. NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!
- When not in use, store the jack with pump piston and ram fully retracted.

AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

ASSEMBLY DIAGRAM



AIR/HYDRAULIC CLEVIS BASE LONG RAM JACK

PARTS LIST

Index #	Description	Part No.	Qty.
1	Top Nut	TQ30806-02	1
2	Rectangular ring	QYL8-03	2
3	Reservoir	TQ30806-05	1
4	Oil plug	QYL8-29	1
5	Trapezoidal ring	QYL8-15	1
6	Cylinder	TQ30806-04a	1
7	O-Ring33.5X3.55	GB3452.1	1
8	Ram	TQ30806-01	1
9	Switch assembly	TQ22001.9a	1
10	Hose assembly	TQ22001-07	1
11	Rotary joint assembly	TQ22001.8	1
12	Pump assembly	TQ22001.2a	1
13	Washer	TQ20002-20	2
14	Pin	QYL8-19	3
15	Link	QYL8-08	1
16	Pin	QLQD2B-3	3
17	J-type dust ring	QYL8-09	1
18	Ball 6.0000	GB308	8
19	Screw M8X8	GB77	2
20	Cover	T91004-39	1
21	Regulating screw	T91004-38	1
22	O-Ring5.8X2.8	QLQ2.1-14	1
23	Spring	QLQD2A.2-18	1
24	Spring seat	TQ22001.1-24	1
25	Ball 3.0000	GB308	1
26	Screw	QYL8-17	2
27	Base	TQ30806-11	1
28	O-ring7.7x1.9	QLQ2.1-17	1
29	Release Valve	QYL8-25A	1
30	Pin D4X22	GB119	2
31	Handle	QYL5G-23	1
32	Spring	T91207F-54	2
33	Ball 9.0000	GB308	1
34	Screw M12X1.25X10	GB77	1
35	Grease filter	T90403-35	2
36	Pump Plunger	TQ12002-16	1
37	Handle Sleeve	QYL8-22	1
38	Cylinder gasket	TQ30806-10	2
39	Collar	TQ12002-17	2
40	Y-ring	TEL40001CQ-03	1
41	Back care ring	TEL40001CQ-02	1
42	Pistons	TEL40001CQ-04	1
43	Wire ring	TQ30806-06	1
44	O-ring6.5x3	TQ12002-18	2
45	Pump Cylinder	QYL8-10	1

Safe Operating Temperature is between 40°F – 105°F (4°C - 41°C)

WARRANTY NOTICE

This bottle 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, contact our Parts and Warranty Department at:

1-888-44-TORIN (1-888-448-6746).

Please have available a copy of your receipt, the model number of the product, serial number, and specific details 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.

WARRANTY INFORMATION

We want to know If you have any concerns with our products. If so, please call toll-free for Immediate assistance. For additional web customer support help inquiries visit the Customer Service section at: <http://www.torin-usa.com>.

TORIN ONE YEAR LIMITED WARRANTY

Torin Inc.® has been producing quality automotive repair and maintenance products since 1968. All products sold are felt to be of the highest quality and are covered by the following warranty:

With proof of purchase for a period of one year from the date of that purchase, the manufacturer will repair or replace, at its discretion, without charge, any of its products or parts thereof which fail due to a defect in material or workmanship. This warranty does not cover damage or defects caused by improper use, careless use or abuse of the equipment. This warranty does not cover parts normally considered to wear out or be consumed in the normal operation of the equipment. Except where such limitations and exclusions are specifically prohibited by applicable law, (1) the CONSUMERS SOLE AND EXCLUSIVE REMEDY SHALL BE THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS AS DESCRIBED ABOVE, and (2) THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE OR LOSS WHATSOEVER, and (3) THE DURATION OF ANY AND ALL EXPRESSED AND IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. Product alteration in any manner by anyone other than us, with the sole exception of alterations made pursuant to product instructions and in a workman like manner. You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Always check for damaged or worn out parts before using any product. Broken parts will affect the equipment operation. Replace or repair damaged or worn parts immediately. Do not modify the product in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which products are designed and tested during production. Manufacturer provided warranted items are not authorized to be repaired by anyone other than the manufacturer or manufacture approved repair person. Distributor does not have authorization to amend these statements. You acknowledge and agree that any modification of the product for any purpose other than manufacturer completed repairs is at your own risk. Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.

IMPORTANT: BEFORE FIRST USE on any Lift verify that a daily inspection has been completed and that all components are in the proper working order.

This limited warranty gives you specific legal rights, and you also may have other rights, which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of California, without regard to rules pertaining to conflicts of law. The state courts located in San Bernardino County, California shall have exclusive jurisdiction for any disputes relating to this warranty.

Manufacturer reserves the rights to make design changes and or improvements to this product lines and manual without notice. We at Torin have taken every effort to ensure complete and accurate instructions have been included in this manual. However, possible product updates, revisions and or changes may have occurred since this printing. Torin Inc. reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Not responsible for typographical errors. Alternately Customer Service can be reached through www.torin-usa.com or via email at info@torin-usa.com.

Not all equipment components are available for replacement, but are illustrated as a convenient reference of location and position in the assembly sequence. Contact Customer Service for equivalent component. When you contact us, please have your Product's Model number, Serial Number and Description ready so that we may help you efficiently. This information can be found on a sticker on the product.

For any warranty support or if your Torin® equipment is not functioning properly contact Torin® Customer Service directly by telephone at 1-888-44-TORIN (1-888-448-6746) 8:00am – 5:00pm Pacific Time, Monday – Friday



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1-888-44-TORIN (1-888-448-6746)

8:00am – 5:00pm Pacific Time, Monday – Friday

Communiquez directement avec le Service à la clientèle Torin® au:

1-888-44-TORIN (1-888-448-6746)

De 8 heures à 17 heures, heure du Pacifique, du lundi au vendredi

Comuníquese con el Servicio de Atención al Cliente de Torin® directamente por teléfono al:

1-888-44-TORIN (1-888-448-6746)

De lunes a viernes de 8:00 a. m. a 5 p. m. hora del Pacífico

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