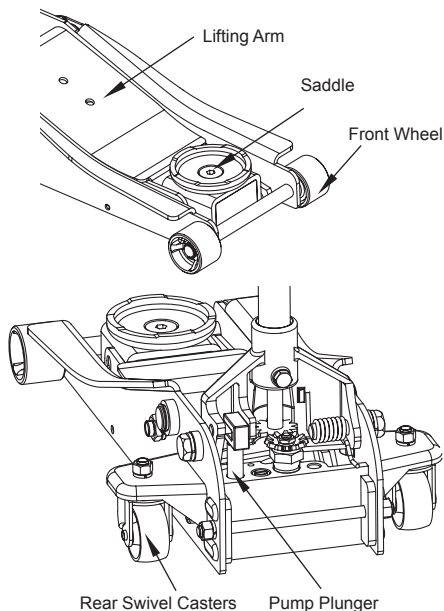
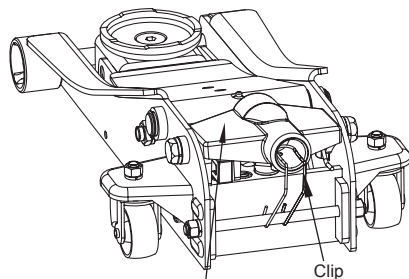


## ASSEMBLY

1. Familiarize yourself with the jack.



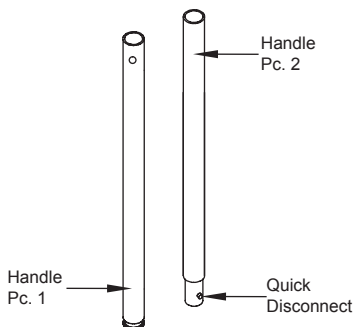
2. Prior to assembly, carefully remove the retaining clip attached to the handle socket. **CAUTION:** The socket will tend to spring upward when the clip is removed. To prevent possible injury, place one hand on the top of handle socket to control the upward motion of the handle socket retaining clip, and then carefully remove the retaining clip. After removed slowly allow handle socket to rise back into resting position.



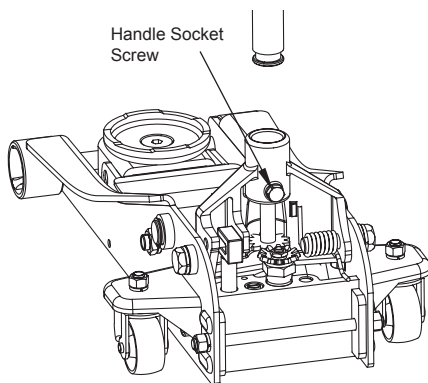
### ⚠ WARNING!

Once retaining clip is removed, **SLOWLY** allow handle socket to rise back into resting position. Use **CAUTION** when removing retaining clip, handle socket will spring forward rapidly.

3. Refer to picture 2 when performing this step. Press Quick Disconnect on handle piece 2, this will allow slide handle pieces 1 and 2 connect, align the holes on both sections to allow quick disconnect to trigger. Quick disconnect will automatically pop out when hole position is correct.



4. Unfasten the screw located in the Handle Socket to insert the assembled handle.
5. Line up the square hole located at the bottom of the handle over the square bolt inside the Handle Socket.
6. Secure the handle in place by tightening the screw in 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.)



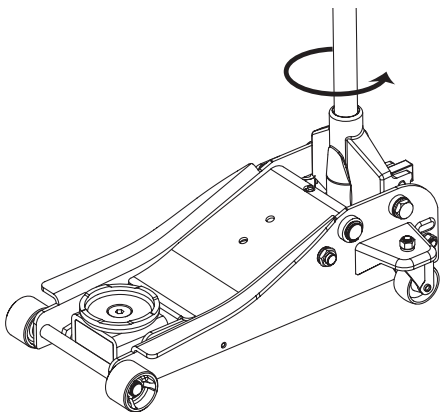
- ⚠ **WARNING:** Do not lift or carry jack by handle. Handle could dislodge and jack may fall, resulting in possible injury or property damage.

## SYSTEM AIR PURGE PROCEDURE

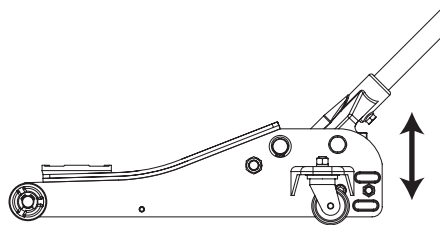
### IMPORTANT: BEFORE FIRST USE

Perform the following System 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.

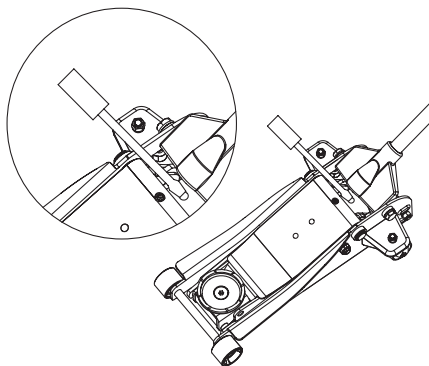
1. Turn release valve counter-clockwise on full turn to the open position.



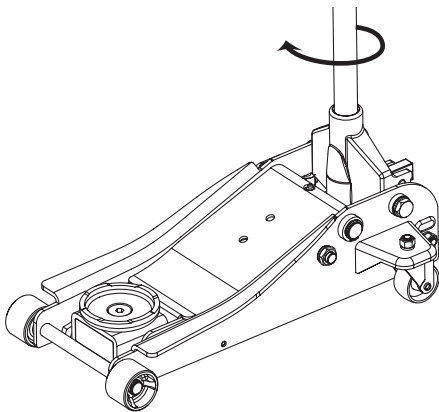
2. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



3. With a flat blade screwdriver, unscrew the oil fill plug slightly to purge trapped air from system. (For RUBBER OIL PLUGS Use caution not to tear or puncture the oil plug.)



4. Turn release valve clockwise to the closed position.



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

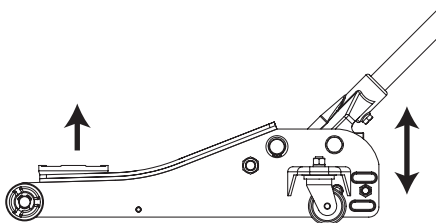
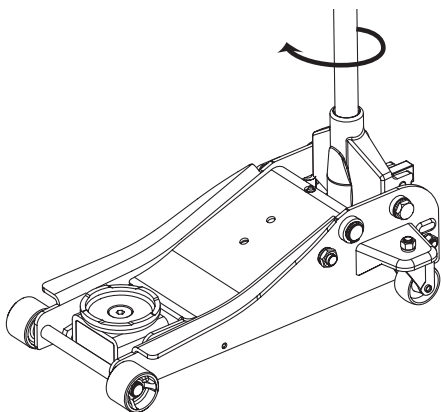
## BEFORE USE

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 System Purge Procedure.)
3. Check and that the pump operates smoothly before putting into service.
4. Inspect before each use. Do not use if bent, broken or cracked components are noted.

## OPERATION

### RAISING THE JACK

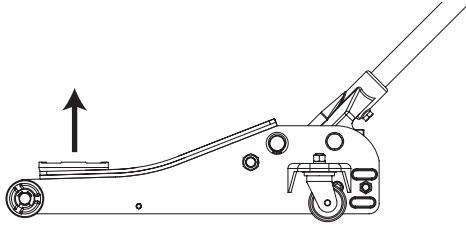
1. Block the vehicle's wheels for lifting stability.  
Secure the load to prevent inadvertent shifting and movement
2. Position the jack near desired lift point.
3. Set the Parking Brake in the vehicle.
4. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle.  
Position the jack so that the saddle is centered and will contact the load lifting point firmly.
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.



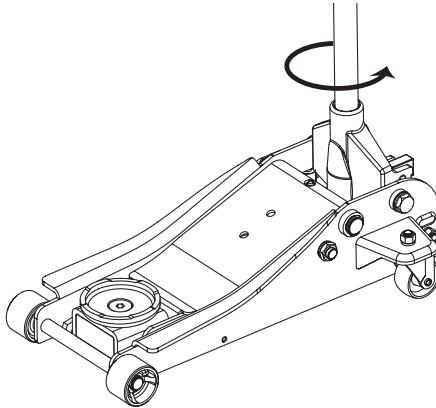
**⚠ CAUTION:** NEVER WIRE, CLAMP OR OTHERWISE DISABLE THE LIFT CONTROL VALVE TO FUCTION BY ANY MEANS OTHER THAN BY USING THE OPERATOR'S HAND. USE THE HANDLE PROVIDED WITH THIS PRODUCT OR AN AUTHORIZED REPLACEMENT HANDLE TO ENSURE PROPER RELEASE VALVE OPERATION. DO NOT USE EXTENSIONS ON THE OPERATING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

## LOWERING THE JACK

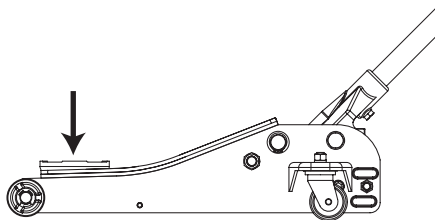
1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.



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.



**⚠ 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.

## MAINTENANCE 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.

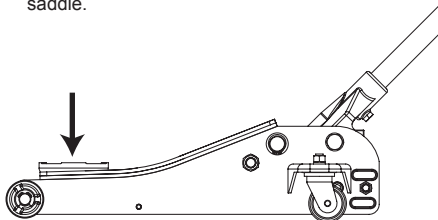
### Storing the Jack

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

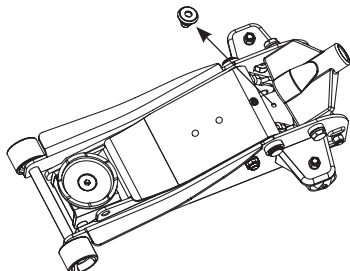
Note: If the jack is stored outdoors, be sure to lubricate all parts before and after use to ensure the jack stays in good working condition. Always store jack in the fully retracted position when stored in outdoor or caustic environments that can cause corrosion and/or rust.

## TO ADD JACK OIL

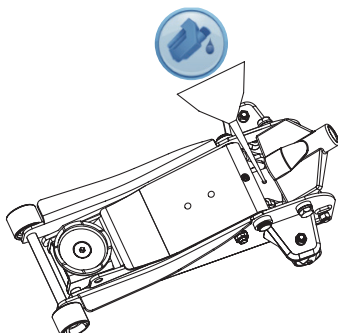
1. Position the jack on level ground and lower the saddle.



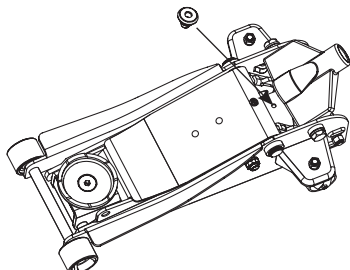
2. Remove the oil plug.



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



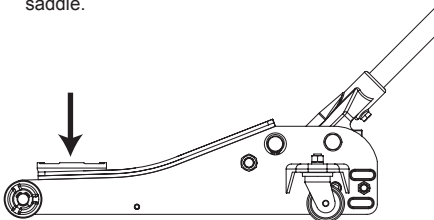
4. Replace oil plug.



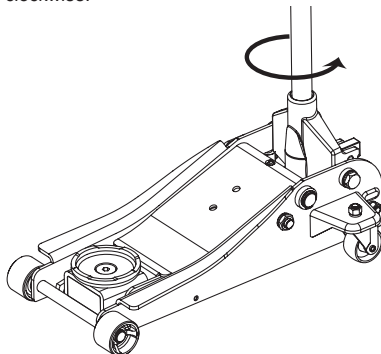
5. Perform the Air Purge Procedure.

## TO REPLACE JACK OIL

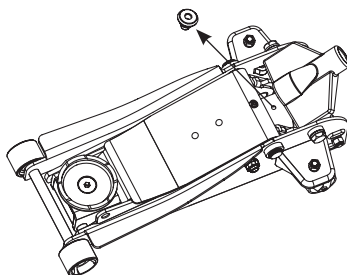
1. Position the jack on level ground and lower the saddle.



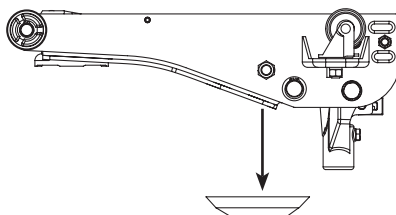
2. Open release valve by turning handle counter-clockwise.



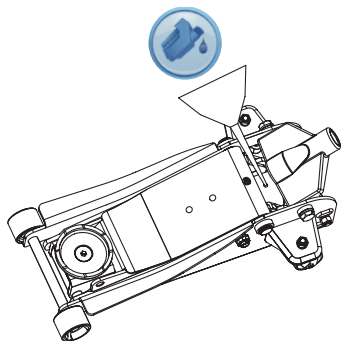
3. Remove the oil fill plug.



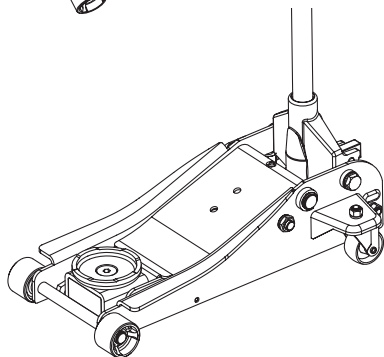
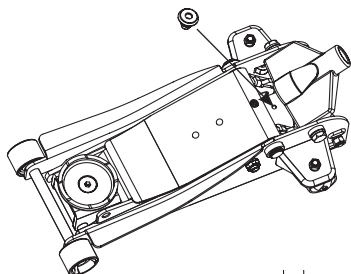
4. Turn the jack on its side to drain old oil from the oil fill hole.



5. 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.



6. Replace oil plug.



#### **⚠️ 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 LUBRICATION:**

1. Periodically check the pump piston and ram for signs of rust or corrosion. As needed thoroughly wipe with a clean non-scratching oil soluble cloth. NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!
2. When not in use, store the jack with pump piston and ram fully retracted.