



RLP35 Scissor Lift (300 Series)

Capacity 7700 lbs (3500 kg)
(Maximum 3,850 lbs (1750 kg) per pad)

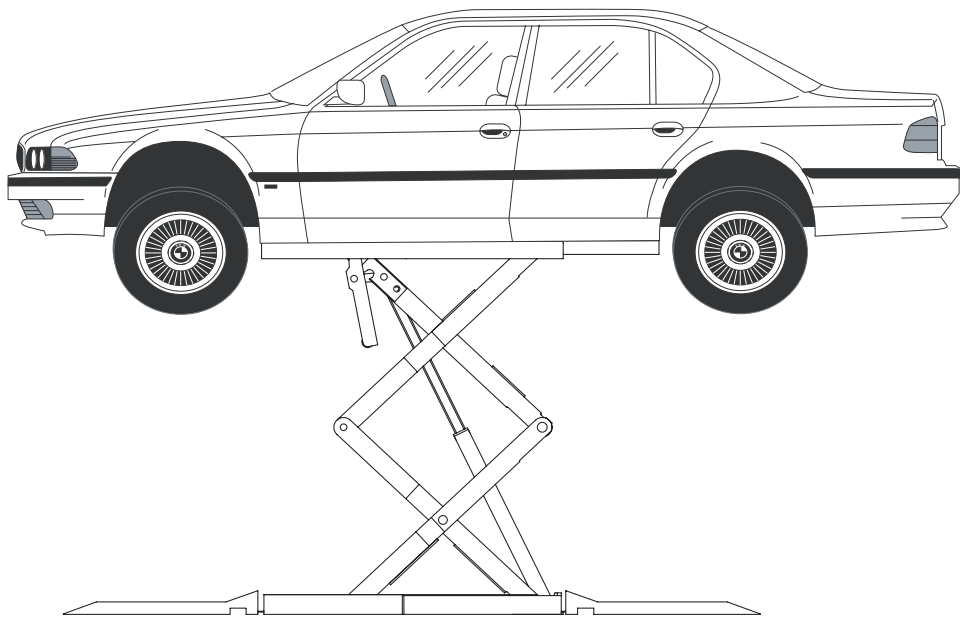


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LP20469

SAFETY INSTRUCTIONS

- **Daily** inspect your lift. Never operate if it malfunctions or if it has broken or damaged parts. Use **only** qualified lift service personnel and genuine Rotary parts to make repairs.
- **Thoroughly** train all employees in use and care of lift, using manufacturer's instructions and "Lifting It Right" and "Safety Tips" supplied with the lift.
- **Never** allow unauthorized or untrained persons to position vehicle or operate lift.
- **Prohibit** unauthorized persons from being in shop area while lift is in use.
- **Do Not** permit anyone on lift or inside vehicle when it is either being raised or lowered.
- **Always** keep area around lift free of tools, debris, grease and oil.
- **Never** overload lift. Capacity of lift is 7,700 lbs/3500kg., 3850 lbs/1750kg. per platform.
- **Do Not** stand in front of the lift or vehicle while it is being positioned in lift bay.
- **Before** driving vehicle into lift bay, BE SURE lift is fully lowered.
- **Load** vehicle on lift carefully. Check for secure contact with vehicle. Raise lift to desire working height.
- **Do Not** block open or override self-closing lift controls; they are designed to return to the "Off" or Neutral position when released.
- **Remain** clear of lift when raising or lowering vehicle.
- **Always** lower lift completely and disconnect power source before disconnecting hydraulic lines.
- **Avoid** excessive rocking of vehicle while on lift.
- **Clear** area if vehicle is in danger of falling.
- **Completely** lower lift before removing vehicle from lift area.
- **Normal** operating temperature range is 7° C (45° F) To 38° (100° F).

The Owner/Employer:

- Shall ensure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer's operating instructions; ALI/SM 93-1, *ALI Lifting it Right* safety manual; ALI/ST-90 *ALI Safety Tips* card; ANSI/ALI ALOIM-2008, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; ALI/WL Series, *ALI Uniform Warning Label Decals/Placards*; and in the case of frame engaging lifts, ALI/LP-GUIDE, *Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts*.
- Shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2008, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and The Employer Shall ensure that lift inspectors are qualified and that they are adequately trained in the inspection of the lift.
- Shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer's instructions or ANSI/ALI ALOIM-2008, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and The Employer Shall ensure that lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.
- Shall maintain the periodic inspection and maintenance records recommended by the manufacturer or ANSI/ALI ALOIM-2008, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*.
- Shall display the lift manufacturer's operating instructions; ALI/SM 93-1, *ALI Lifting it Right* safety manual; ALI/ST-90 *ALI Safety Tips* card; ANSI/ALI ALOIM-2008, *American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance*; and in the case of frame engaging lifts, ALI/LP-GUIDE, *Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts*; in a conspicuous location in the lift area convenient to the operator.
- Shall provide necessary lockout/tagout means for energy sources per ANSI Z244.1-1982 (R1993), *Safety Requirements for the Lockout/Tagout of Energy Sources*, before beginning any lift repairs.
- Shall not modify the lift in any manner without the prior written consent of the manufacturer.

LOCKOUT/TAGOUT PROCEDURE

Purpose

This procedure establishes the minimum requirements for the lockout of energy that could cause injury to personnel by the operation of lifts in need of repair or being serviced. All employees shall comply with this procedure.

Responsibility

The responsibility for assuring that this procedure is followed is binding upon all employees and service personnel from outside service companies (i.e., Authorized Rotary Installers, contactors, etc.). All employees shall be instructed in the safety significance of the lockout procedure by the facility owner/manager. Each new or transferred employee along with visiting outside service personnel shall be instructed by the owner/manager (or assigned designee) in the purpose and use of the lockout procedure.

Preparation

Employees authorized to perform lockout shall ensure that the appropriate energy isolating device (i.e., circuit breaker, fuse, disconnect, etc.) is identified for the lift being locked out. Other such devices for other equipment may be located in close proximity of the appropriate energy isolating device. If the identity of the device is in question, see the shop supervisor for resolution. Assure that proper authorization is received prior to performing the lockout procedure.

Sequence of Lockout Procedure

- 1) Notify all affected employees that a lockout is being performed and the reason for it.
- 2) Unload the subject lift. Shut it down and assure the disconnect switch is "OFF" if one is provided on the lift.
- 3) The authorized lockout person operates the main energy isolation device removing power to the subject lift.
 - If this is a lockable device, the authorized lockout person places the assigned padlock on the device to prevent its unintentional reactivation. An appropriate tag is applied stating the person's name, at least 3" x 6" in size, an easily noticeable color, and states not to operate device or remove tag.
 - If this device is a non-lockable circuit breaker or fuse, replace with a "dummy" device and tag it appropriately as mentioned above.
- 4) Attempt to operate lift to assure the lockout is working. Be sure to return any switches to the "OFF" position.
- 5) The equipment is now locked out and ready for the required maintenance or service.

Restoring Equipment to Service

- 1) Assure the work on the lift is complete and the area is clear of tools, vehicles, and personnel.
- 2) At this point, the authorized person can remove the lock (or dummy circuit breaker or fuse) & tag and activate the energy isolating device so that the lift may again be placed into operation.

Rules for Using Lockout Procedure

Use the Lockout Procedure whenever the lift is being repaired or serviced, waiting for repair when current operation could cause possible injury to personnel, or for any other situation when unintentional operation could injure personnel. No attempt shall be made to operate the lift when the energy isolating device is locked out.

OPERATING INSTRUCTIONS

⚠️ WARNING To avoid personal injury and/or property damage, permit only trained personnel to operate lift. After reviewing these instructions, get familiar with lift controls by running the lift through a few cycles before loading vehicle on lift.

IMPORTANT Always lift the vehicle using all four adapters. **NEVER** raise just one end, one corner, or one side of vehicle.

Observe and heed **SAFETY, CAUTION** and **WARNING** labels on the lift.

1. Before Loading:

- Inspect lift to assure it is in good operation condition.

2. Loading:

- Assure lift is fully lowered and service bay is clear of all personnel.
- Drive over ramps and spot vehicle with left front wheel as shown in , Fig. 2.
- **DO NOT raise limousines or pickup trucks.**
- **DO NOT raise SUV's, vans, or other specialty vehicles not of a unibody construction.**

⚠️ WARNING Before attempting to lift vehicle be sure that:

- Vehicle is positioned over pads as shown in Fig. 3 & 4.
- Vehicle unibody is strong enough to support it's weight and has not been weakened by modification or corrosion.
- Vehicle individual axle weight does not exceed 1/2 lift capacity.
- Slide rear pad extension as necessary to reach rear lift points.
- Use auxiliary rubber blocks to create clearance between vehicle chassis and lift pad, Fig. 4.
- Auxiliary rubber blocks/pads are in secure contact with vehicle manufacture's recommended lift points.
- Vehicle is stable on lift; neither front nor tail heavy.

3. To Raise Lift:

- Actuate RAISE BUTTON.
- Raise vehicle until tires clear the floor.
- STOP: Check pads for secure contact with vehicle. Shake car moderately at front or rear bumper.
- Continue to raise to desired height **ONLY** if vehicle is secure on lift. If necessary, lower lift and reposition using vehicle manufacture's recommended pick-up points.

4. Before Lowering Lift:

- Remove all obstacles from under vehicle and lift.
- Assure personnel are not in lift area.

5. To Lower Lift:

- Remain clear of lift.
- Actuate the LOWER BUTTON to lower lift while keeping feet clear.
- When the lift stops, actuate again LOWER BUTTON to fully lower lift.

6. Unloading:

- Assure lift is fully lowered.
- Remove any rubber blocks used when raising the vehicle.
- Return rear pad extension to fully closed position.
- Carefully remove vehicle from lift area.

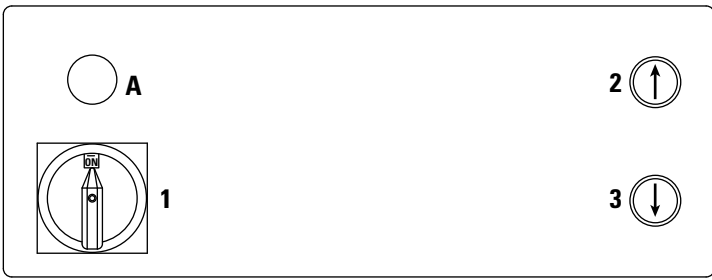


Fig. 1

1. Disconnect Switch
2. Raise Button
3. Lower Button

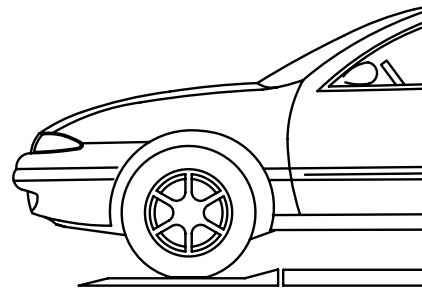
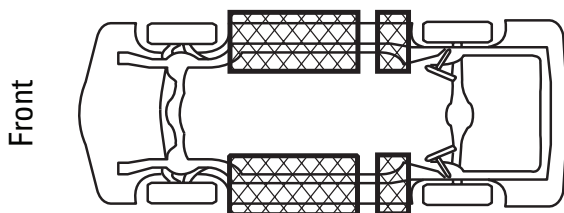
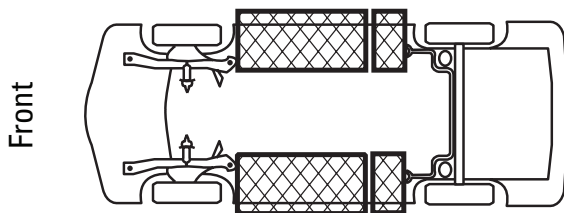


Fig. 2

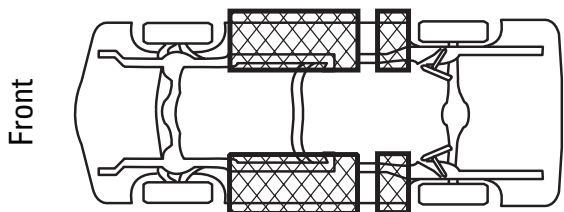
Typical Wheel Spotting Position



Perimeter Frame



Unibody



Stuh Frame

Fig. 3

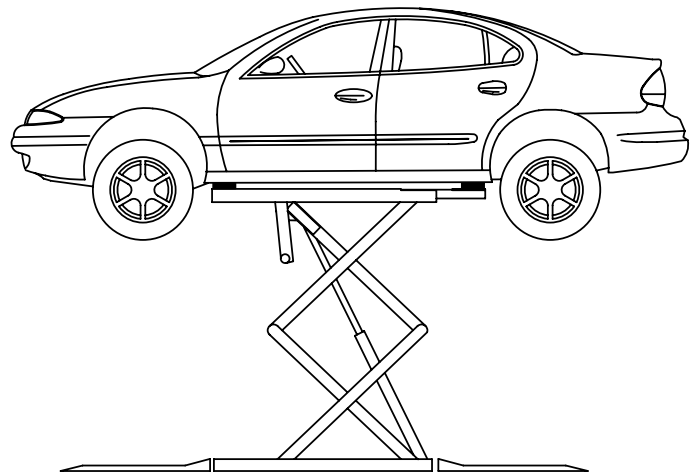


Fig. 4

NOTE: Some vehicles may have the manufacturer's Service Garage Lift Point locations identified by triangle shape marks on it's undercarriage (reference ANSI/SAE J2184-1992). Also, there may be a label located on the right front door lock face showing specific vehicle lift points. If the specific vehicle lift points are not identified, refer to the "Typical Lift Points" illustrated herein. ALWAYS follow the operating instructions supplied with the lift.

⚠ WARNING If you are not completely familiar with automotive lift maintenance procedures **STOP**: Contact factory for instructions.

To Avoid Personal Injury, permit only qualified lift service personnel to perform maintenance on this equipment.

Use only genuine Rotary replacement parts for repairs.

- **Always** keep all bolts tight. Check periodically.
- **Always** raise lift when cleaning floor area.
- **Always** keep lift clean.
- **Daily**: Inspect adapters for damage or excessive wear. Replace as required with genuine Rotary parts.
- **Weekly**: Inspect all lift parts for signs of damage due to overloading and rough handling.
- **Monthly**: Lightly grease adapter sliding surfaces.
- **Monthly**: Release residual pressure in the slave cylinders by loosening the slave circuit shut-off valves, screws A2 - B2. When complete tighten screws A2 - B2.
- **Semi-Annually**: Check fluid level of lift power unit. Refill if required per lift installation instructions. If fluid is required, inspect all hoses and seals. Repair as required.
- **If lift** stops short of full rise or chatters, check fluid level and purge both cylinders per lift installation instructions.
- **Replace** all CAUTION, WARNING, or SAFETY related decals on the lift if unable to read or missing. Reorder labels from Rotary Lift.

TROUBLE SHOOTING

Trouble	Cause	Remedy
Electric motor does not run.	<ol style="list-style-type: none"> 1. Check fuse or circuit breaker. 2. Check for correct voltage to motor. 3. Inspect all wiring connections. 4. Faulty motor contactor. 5. Blown fuse on 24V power supply. 6. Faulty Transformer. 7. The motor thermic switch is activated from overheating. 	<ol style="list-style-type: none"> 1. Replace blown fuse or reset circuit breaker. 2. Supply correct voltage to motor. 3. Repair and insulate all connections. 4. Check the contactor coil operation and make sure it is activated when supplied with 24V. 5. Check the fuse on the transformer and replace it if necessary. 6. Check the output voltage of the transformer: OUT: 24V 7. Wait for 10 minutes and try starting again; then, using a tester make sure contact is closed again.
Electric motor runs but will not raise lift.	<ol style="list-style-type: none"> 1. Motor runs in reverse rotation. 2. Load too heavy. 3. Low fluid level. 4. One or both manual operators (A1-B1) on the hydraulic block are open. 5. The lowering valve gaskets or hydraulic block gaskets are damaged or loose. 6. One or both manual operators (A2-B2) on the hydraulic block are open. 7. Oil filter is clogged. 8. Faulty hydraulic pump. 	<ol style="list-style-type: none"> 1. Switch the phase and make sure motor turns in the direction indicated by the arrow. 2. Check vehicle capacity. 3. Fill tank with Dexron III ATF or ISO32. 4. Close manual operators. 5. Check the gaskets and replace if necessary. 6. Check and tighten screws. 7. Check and clean. 8. Check that oil comes out from one of the A-1 - A-2 outlets on the hydraulic block after disconnecting the corresponding pipe. Replace the pump if oil does not come out from A-1 - A-2 outlets.
The lift does not stop 9 (250mm) from the floor but keeps lowering, producing a warning signal during the lowering phase.	<ol style="list-style-type: none"> 1. Faulty or improperly installed proximity. 	<ol style="list-style-type: none"> 1. Check the proximity and replace it if necessary.

TROUBLE SHOOTING

Trouble	Cause	Remedy
<p>The lowering button is pressed but the lift does not lower.</p>	<ol style="list-style-type: none"> 1. Make sure there are no obstacles blocking the lowering phase. 2. Make sure the main switch is on and power supply is not interrupted. 3. Blown fuse on 24V power supply. 4. Faulty Transformer. 5. Valve coils are faulty or not supplied with current. 6. Damaged or faulty valves. 7. Faulty lowering block proximity, broken cable, or improperly connected to the card. 	<ol style="list-style-type: none"> 1. Remove the obstacles blocking the lowering phase. 2. Check and supply power to lift. 3. Check and replace the fuse after eliminating the cause of the short circuit. 4. Check the output voltage of the transformer: OUT: 24V 5. Check to see if valve coils are getting current. 6. Unscrew the valves on the hydraulic block one by one and make sure they move freely when supplied with 24V solenoids. 7. Check the proximity and replace if necessary.
<p>The lift is lowered but one of the two platforms is higher.</p>	<ol style="list-style-type: none"> 1. Make sure there are no obstacles under the higher platform. 2. Platforms are not level. 3. Air is in one of the slave cylinders. 	<ol style="list-style-type: none"> 1. Remove the obstacle and carefully check the area before operating the lift. 2. Should this problem occur, check the car lift first and check for oil leaks from the cylinders or pipes. 3. Purge slave cylinder using the "Purging Hydraulic Lines" procedure in the installation instructions.

MANUAL LOWERING

MANUAL LOWERING

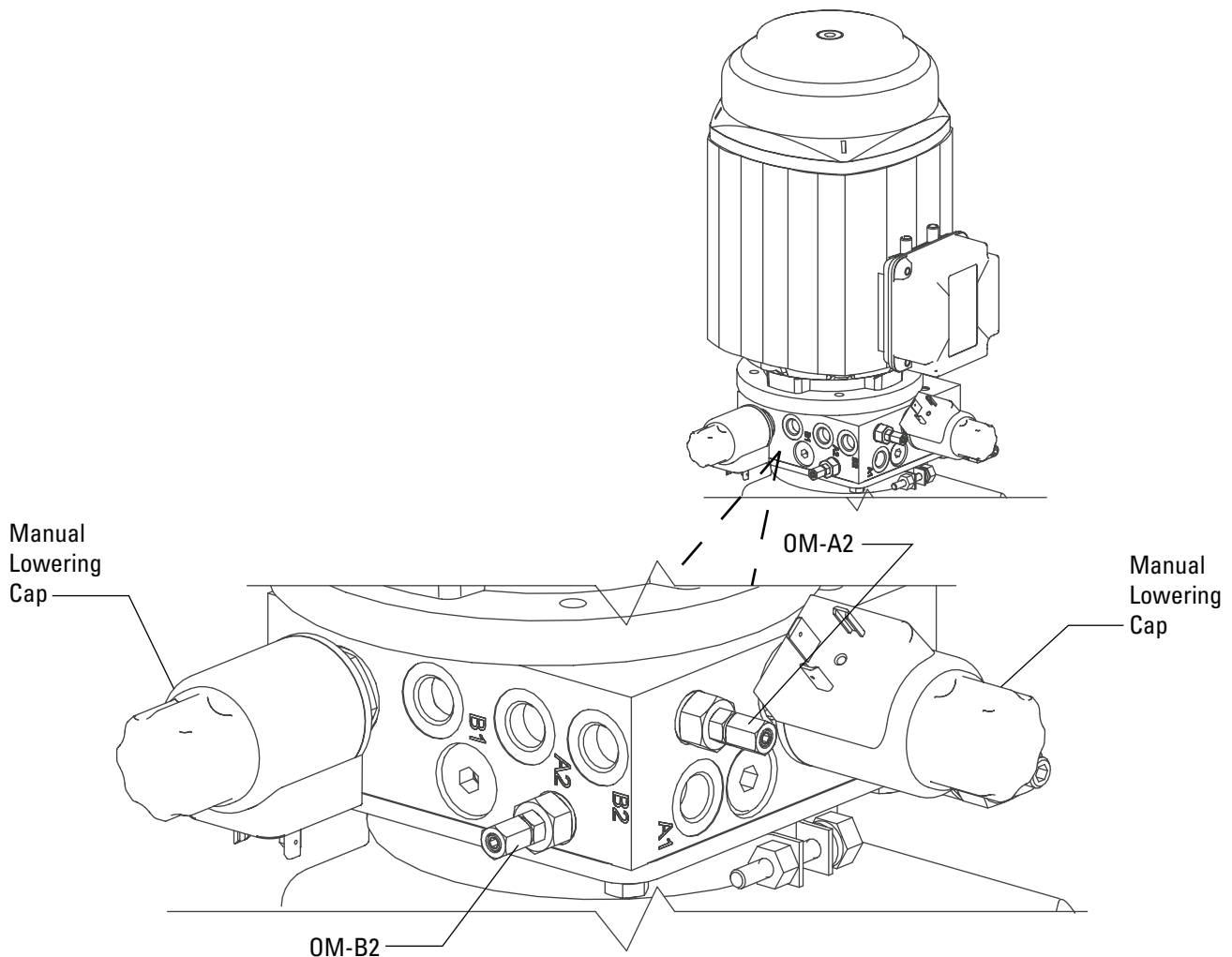
If the car lift cannot perform lowering operations because of power supply interruption, faulty hydraulic valves or electric trouble in the system, the lift can be lowered manually. For manual lowering operation (emergency), perform the following:

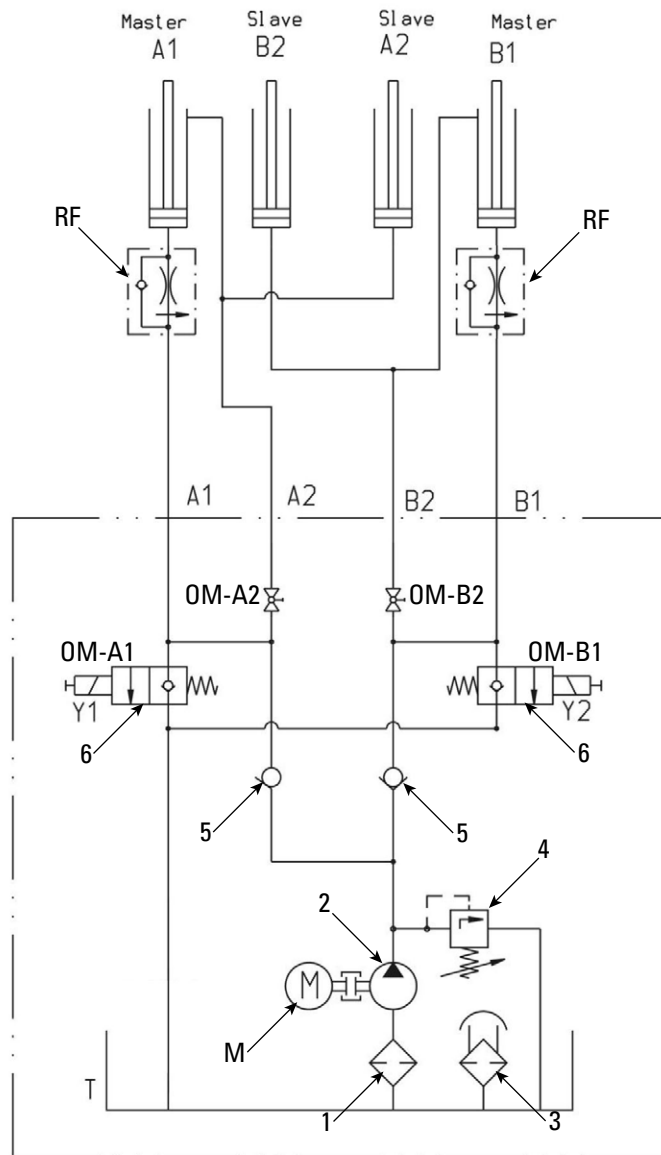
- Make sure there are no obstacles blocking the lowering phase; remember that the car lift may not be lifted again to remove possible obstacles.
- Disconnect main power supply.
- Remove manual lowering cap.

Note: Manual lowering (emergency) operations should be performed by authorized personnel specially trained for operating the car lift only.

- Loosen the manual operators (OM) (A1-B1)
1/2 turn.

- Emergency lowering has started; speed can be increased or decreased according to the opening of screws.





1	Suction filter
2	Pump
3	Breather
4	Relief valve
5	Unidirectional valve
6	Lowering valve
OM	Manual Operator
RF	Flow regulator valve
M	Motor 3 KW

**Trained Operators and Regular Maintenance Ensures
Satisfactory Performance of Your Rotary Lift.**

Replacement Parts: See installers package for parts breakdown sheet. Order Genuine Rotary replacement parts from your nearest Authorized Parts Distributor.

Maintenance Assistance: Contact your local Rotary distributor.

Should further assistance be required, contact Rotary Lift, at one of the phone numbers listed below.

Rotary World Headquarters

2700 Lanier Drive
Madison, IN 47250, USA
www.rotarylif.com

North America Contact Information

Tech. Support: p 800.445.5438
f 800.578.5438
e userlink@rotarylif.com
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f 800.578.5438
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