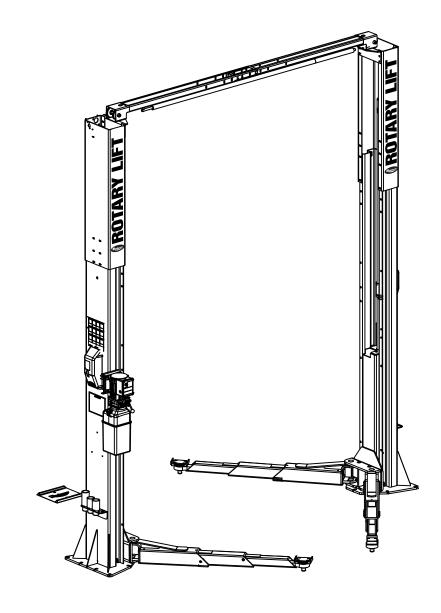


SP012 Standard/Wide/Sprinter

Two Post Surface Mounted Swing Arm Frame Engaging Lift Standard (500/700/1000 Series) Capacity: 12,000 lbs. Wide (5W0/7W0/10W0 Series) Capacity: 12,000 lbs. Sprinter (5A0/7A0/10A0 Series) Capacity: 9,000 lbs.



INSTALLER: Please return this booklet to literature package and give to lift owner/operator.

LPRM2P12KRev. H 2.13.25

0

ERATION

TENANCE

M A N U A

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 shown on nameplate affixed to the lift.
- Do Not stand in front of the lift or vehicle while it is being positioned in lift bay.
- Do Not hit or run over lift arms or adapters. This could damage lift or vehicle. Before driving vehicle into lift bay, position arms and adapters to provide unobstructed entrance onto lift.
- Load vehicle on lift carefully. Position lift adapters to contact at the vehicle manufacturer's recommended lift points. Raise lift until adapters contact vehicle. Check adapters for secure contact with vehicle. Raise lift to desired working height.

DO NOT go under vehicle if locking latches are not engaged.





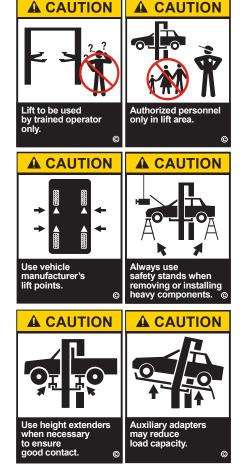
▲ WARNING



WARNING

ALI/WL101

- Do Not block open or override self-closing lift controls; they are designed to return to the "Off" or Neutral position when released.
- Do Not remove or disable arm restraints.
- Remain clear of lift when raising or lowering vehicle.
- Always use safety stands when removing or installing heavy components.
- Avoid excessive rocking of vehicle while on lift.
- Clear area if vehicle is in danger of falling.
- Remove tool trays, stands, etc. before lowering lift.
- Release locking latches before attempting to lower lift.
- Position lift arms and adapters to provide an unobstructed exit before removing vehicle from lift area.





OWNER/EMPLOYER RESPONSIBILITIES

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/SM01-1, ALI Lifting it Right safety manual; ALI/ST ALI Safety Tips card; ANSI/ALI ALOIM: 2020, 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: 2020, 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: 2020, 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.
- facturer or ANSI/ALI ALOIM: 2020, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance.

 Shall display the lift manufacturer's operating instructions: ALUSM, ALLLifting it Right safety.

Shall maintain the periodic inspection and maintenance records recommended by the manu-

- Shall display the lift manufacturer's operating instructions; ALI/SM, ALI Lifting it Right safety
 manual; ALI/ST ALI Safety Tips card; ANSI/ALI ALOIM: 2020, 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, 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.

For the latest manuals mentioned please contact Rotary or Autolift.org.



Autolift.org





OPERATING INSTRUCTIONS

Surface Mounted Frame Engaging Lifts

AWARNING

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.







A CAUTION DO NOT go under vehicle if locking latches are not engaged.

AWARNING Before attempting to lift pickup trucks or other truck frame vehicles, be sure that:

DO NOT go under vehicle if all four adapters

are not in secure contact at vehicle manufacturer's recommended lift points.
G. Repeat complete spotting, loading and raising procedures if required.
H. Lower lift onto locking latches.

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



- 1. Lift must be fully lowered and service bay clear of all personnel before the vehicle is brought on lift. Swing arms out to full drive-thru position.
- 2. Spot vehicle over lift with left front wheel in proper spotting dish position, Fig. 1.
- 3. Loading: Swing arms under vehicle and position adapters at vehicle manufacturer's recommended lift points, Fig. 2. Use optional adapter extensions for under body clearance when required.



- Vehicle frame is strong enough to support it's weight and has not been weakened by modification or corrosion.
- B. Vehicle individual axle weight does not exceed one-half lift capacity.
- C. Adapters are in secure contact with frame at vehicle manufacturers recommended lift points.
- D. Vehicle is stable on lift and neither front nor "tail" heavy.
- E. The overhead switch bar will contact the highest point on the vehicle.

Remain clear of lift when raising or lowering vehicle.

Note: Allow 2 seconds between motor starts. Failure to comply may cause motor burnout.

- 4. To Raise Lift:
- A. Push RAISE switch on power unit, Fig. 3.
- B. Stop before making contact with vehicle. Check arm restraint pins for engagement. If required, slightly move arm to allow restraint gear and pawl to mesh.

DO NOT hammer pin down as this will damage the restraint gear teeth.

- C. Raise vehicle until tires clear the floor.
- D. Stop and check adapters for secure contact at vehicle manufacturer's recommended lift points.
- Continue to raise to desired height only if vehicle is secure on lift.



extensions are furnished in 4" & 8" increments. The stack-up height should not exceed 12". For 700 Series lifts, adapter extensions are furnished in 3-1/2" & 5" increments. The stack-up height should not exceed 10-1/2". Use adapter extension combination to keep vehicle as level as possible while it is being supported by the lift.

- 5. While Using Lift:
- A. Avoid excessive rocking of vehicle while on lift.
- B. Always use safety stands as needed or when removing or installing heavy components.



- 6. To Lower Lift:
- A. Remove all tools or other objects from lift area.
- B. Raise lift off locking latches.
- C. Pull LATCH release handle fully and hold.
- D. Pull LOWERING valve handle to lower, Fig. 3.

Note: Both LATCH release and LOWERING valve handles are deadman-

type design. Each must be held down to lower lift . Do not override self-closing lift controls.

- Remain clear of lift when lowering vehicle. Observe pinch point warning decals.
- 8. Remove adapters from under vehicle and swing arms to full drive-thru position before moving vehicle.
- If lift is not operating properly, Do Not use until adjustment or repairs are made by qualified lift service personnel.

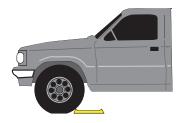
Typical Wheel Spotting Positions



Less than 105" wheelbase: position left front wheel on approach side of wheel dish.



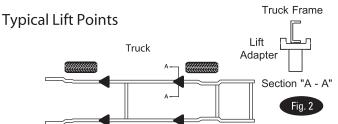
105"-127" wheelbase: position left front wheel in wheel dish.



Larger than 127" wheelbase: position left front wheel just forward of wheel dish.



*Maximum operation pressure is: 3263 psi for Standard 3263 psi for Wide 3263 psi for Sprinter





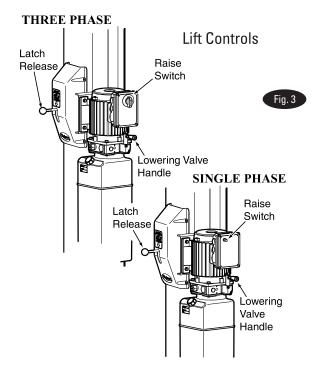














Most specialty or modified vehicles cannot be raised on a frame engaging lift. Contact vehicle manufacturer for raising or jacking details.

Positioning the vehicle

Due to varying centers of gravity within different vehicle classes, use the dish as a guide only and locate the arms between the vehicle pickup points. Always position vehicle with its center of gravity in line with lift columns. Slightly raise vehicle and check for stability. Do this by pushing up & down on the front and rear bumpers. The vehicle should sit firmly on all pickup points. If necessary, relocate arms and/or vehicle to attain a stable condition. Also refer to the ALI Safety Manual included with the lift.

MAINTENANCE INSTRUCTIONS

If you are not completely familiar with automotive lift maintenance procedures; STOP: Contact factory for instructions. To avoid personal injury, permit only qualified personnel to perform maintenance on this equipment.

- · Always keep bolts tight. Check periodically.
- Always keep lift components clean.
- Always if oil leakage is observed, call local service representative.
- Always if electrical problems develop, call local service representative.
- Daily: Check cables and sheaves for wear. Replace worn parts as required with genuine Rotary parts.
- Daily: Check cables and sheaves for wear. Observe for frayed cable strands. Wipe cables with a rag to detect hard to see small broken cable strands. Replace cables showing any broken strands. Replace worn parts as required with genuine Rotary parts.

- Monthly: Check equalizer cable tension. Adjust per lift installation instructions. If there are no more threads available for adjustment, replace the cable. Do not use washers to stand off the nut to use previously used threads.
- Monthly: Lubricate locking latch shafts. Push latch handle several times for oil to penetrate joints.
- Every 3 Months: Check anchor bolts for tightness Anchors should be torqued to 65 ft/lbs.
- Semi-Annually: Check fluid level of lift power unit and refill if required per lift installation instructions.
- If Lift stops short of full rise or chatters, check fluid level and bleed 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.

Column Greasing:

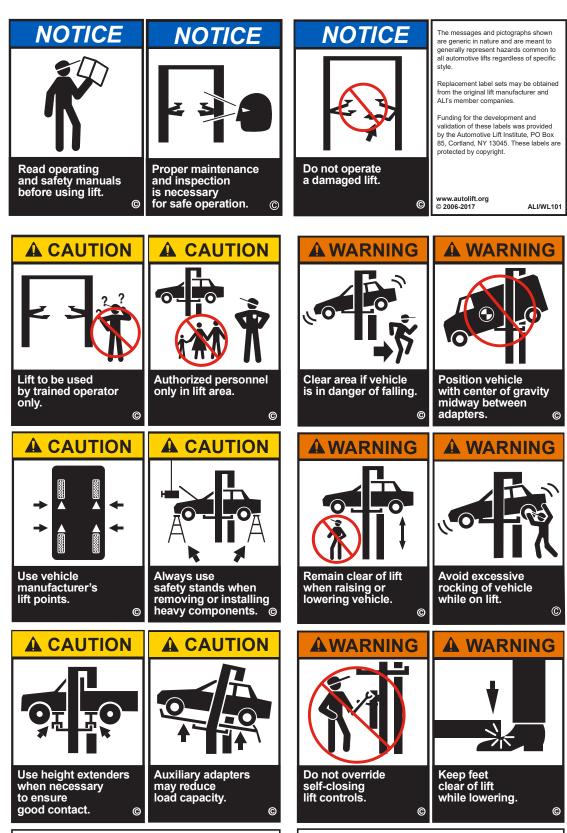
Two post lifts finished with powder coat must have grease applied to the columns. Columns need to be re-greased every 5000 cycles or six months, whichever comes sooner. If your lift has a model number that matches a "powder paint" style lift as shown below, grease the columns with either Lighting grease, Tuf Oil, Sil Glide, or an equivalent grease.

Lift	Series	Model Number	Paint Style
SP012	1000	SP012x10xx	Powder Paint
SP012	700	SP012x7xx	Wet Paint

Apply the grease to the columns by wiping on a thin layer and polishing with a rag. Only apply grease on surfaces of the columns where the slider blocks make contact. Be careful not to apply too much grease, only a thin layer is needed, wipe off excess.

INSPECTION and MAINTENANCE

See ANSI/ALI ALOIM booklet for periodic inspection checklist and maintenance log sheet.



The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.

Replacement label sets may be obtained from the original lift manufacturer and ALI's

Funding for the development and validation of these labels was provided by the Automotive Lift Institute, PO Box 85, Cortland, NY 13045. These labels are protected by copyright.

www.autolift.org © 2006-2017 ALI/WL101

Replacement label sets may be obtained from the original lift manufacturer and ALI's member companies.

Funding for the development and validation of these labels was provided by the Automotive Lift Institute, PO Box 85, Cortland, NY 13045. These labels are protected by copyright.

www.autolift.org © 2006-2017 ALI/WL101

TROUBLE SHOOTING

Trouble	Cause	Remedy	
Motor does not run.	Blown fuse or circuit breaker.	1. Replace blown fuse or reset circuit	
		breaker.	
	Incorrect voltage to motor.	Supply correct voltage to motor.	
	3. Bad wiring connections.	3. Repair and insulate all connections.	
	 Motor up switch burned out. Overhead limit switch burned out. 	4. Replace switch.5. Replace switch.	
	 Overnead limit switch burned out. Motor windings burned out. 	6. Replace motor.	
	o. Motor windings burned out.	o. Replace motor.	
Motor runs but will not raise lift.	1. Open lowering valve.	1. Repair or replace lowering valve.	
	2. Pump sucking air.	2. Tighten all suction line fittings.	
	3. Suction stub off pump.	3. Replace suction stub.	
	4. Low oil level.	 Fill tank with Dexron III ATF or ISOVG32 Hydraulic Oil. 	
Motor runs—raises unloaded lift but	Motor running on low voltage.	Supply correct voltage to motor.	
will not raise vehicle.	2. Debris in lowering valve.	2. Clean lowering valve.	
	Improper relief valve adjustment.	Replace relief valve cartridge.	
	4. Overloading lift.	 Check vehicle weight and/or balance vehicle weight on lift. 	
Lift slowly settles down.	Debris in check valve seat.	1. Clean check valve.	
Lift slowly settles down.	 Debris in lowering valve seat. 	2. Clean lowering valve.	
	3. External oil leaks.	Repair external leaks.	
	or External or loaner	or riopan externarioane.	
Slow lifting speed or oil blowing out	1. Air mixed with oil.	Change oil to Dexron III ATF.	
filler breather cap.	2. Air mixed with oil suction.	2. Tighten all suction line fittings.	
	3. Oil return tube loose.	3. Reinstall oil return tube.	
Lift going up unlevel.	Equalizer cables out of adjustment.	 Adjust equalizer cables to correct tension. 	
	2. Lift installed on unlevel floor.	 Shim lift to level columns (Not to exceed 1/2"). If over 1/2" break out floor and level per lift installation instructions. 	
Anchors will not stay tight.	1. Holes drilled oversize.	Relocate lift using a new bit to drill	
	2. Comparete floorithishman or holding	holes.	
	Concrete floor thickness or holding strength not sufficient.	Break out old concrete and repour new pads for lift per lift installation instruction.	
Locking latches do not engage.	1. Latch shafts rusted. (Usually occurs on	1. Remove covers, oil latch mechanism.	
	outside installations or in high humidity	Depress latch release handle several	
	areas such as vehicle wash bays.)	times to allow oil to coat shaft.	
	2. Latch spring broken.	2. Replace broken spring.	
	3. Latch cable needs adjustment.	Adjust clamps at cable end per lift installation instructions.	
Locking latches do not disengage.	1. Latch cable is broken.	1. Replace cable.	
Locking lateries up not uisengage.	 Latch cable is broken. Latch cable conduit is out of guide 	Install conduit back in bracket; adjust	
	brackets.	cable tension.	
	3. Latch cable is loose.	3. Adjust cable tension.	
	J. 241011 041010 10 10 0001	J. Alajade dabid tolididili	

	TROUBLE SHOOTING				
Lift	Trouble will not raise off of latches.	1.	Cause Motor, pump, or cylinder failure.	1.	Remedy Contact lift manufacturer's Customer Service.

LIFT 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.
- 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 noticeably 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.
- 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 CONDITIONS

Lift is not intended for outdoor use and has an operating ambient temperature range of $41^{\circ}-104^{\circ}F$ (5°-40°C).

APPROVED ACCESSORIES					
Item	Capacity	Part Number			
Air/Electric Utility Box		FA5911			
Air/Electric Utility Box Without FRL		FA5910			
Filter/Regulator/Lubricator (FRL)		FA5166			

Installer:

Please return this booklet to literature package, and give to lift owner/operator.

Thank You

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

Contact Your Nearest Authorized Rotary Parts Distributor for Genuine Rotary Replacement Parts. See Literature Package for Parts Breakdown.



Rotary World Headquarters

3005 Highland Parkway, Suite 200 Downers Grove, Illinois 60515, USA www.vsgdover.com 800.640.5438

North / South America Contact Information

Sales:

1.812.273.1622 / 800.445.5438 insidesales@vsgdover.com

Tech. Support: 800.445.5438

technicalsupport@rotarylift.com

Government Sales:

800.445.5438 X5655

rotarylift.com/Government-Purchasing-Assistance/

Additional information at rotarylift.com

Global Contact Information

Australasia: +60.3.5192.5910 Brazil: +55.11.4534.1995 Canada: 1.905.812.9920

European Headquarters/Germany: +49.771.9233.0

Latin America/Caribbean: 1.812.273.1622 Middle East/Northern Africa: +49.771.9233.0

Southern Africa: 1.812.273.1622 United Kingdom: +44.178.747.7711

