



SC9i Series Scissor Lifts

(200 Series Lifts)

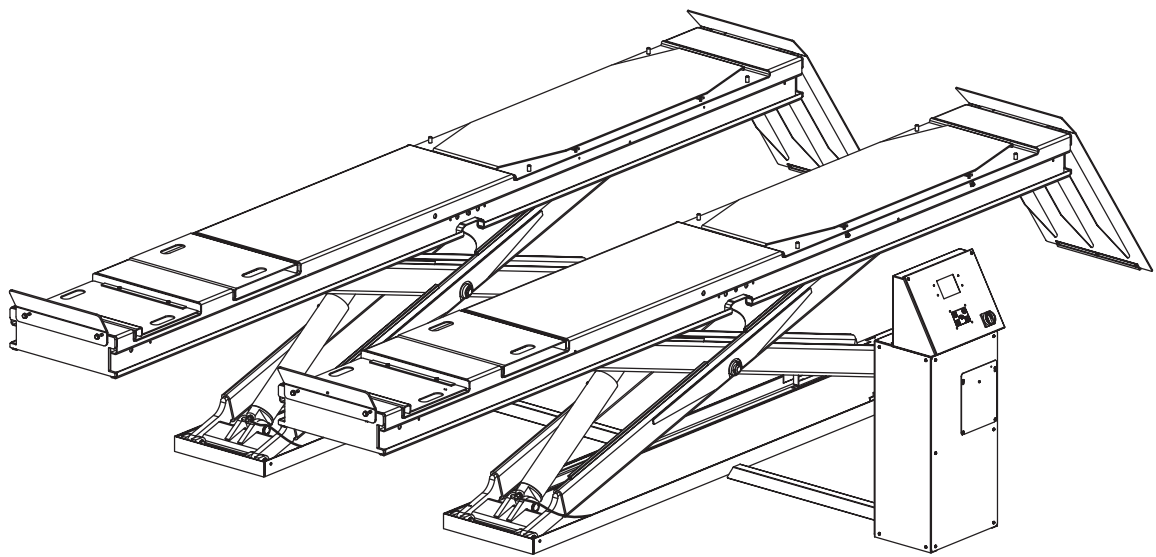


Table of Contents

Control Panel Overview	2
Owner/Employer Responsibilities	3
Setting And Using The User Preferred Height Limits	4
Activating Height Limits	5
LCD Contrast Adjustment	6
Manually Lowering And Raising Runways	7
Safety Instructions	8-12
Operating Instructions	13-15
Touchpad / LCD Operation	16-17
Maintenance Instructions	18-21
Trouble Shooting	23-27

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

CONTROL PANEL OVERVIEW

The SC9i series control panel contains all of the information needed to operate the lift safely and efficiently. With a push of a button you can obtain safety, operating, and maintenance instructions. Review Figs. 1 and 2 to get a quick overview of the control panel and it's functionality.

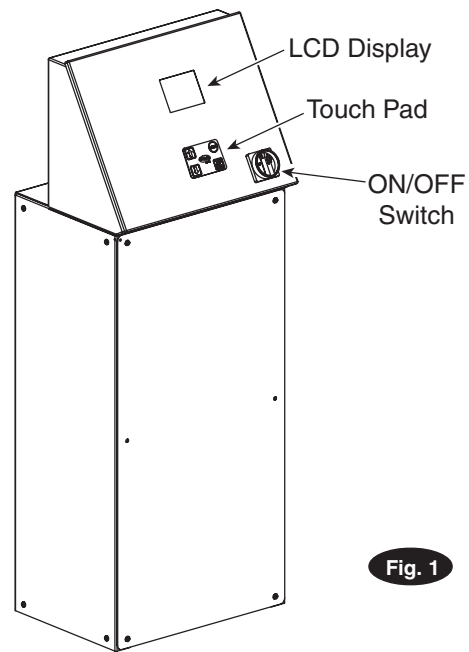
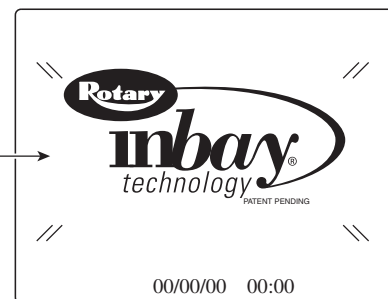


Fig. 1

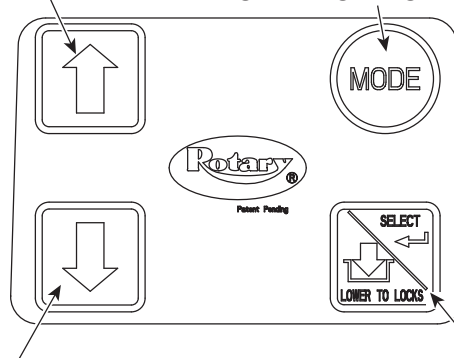
Overview Of Control Panel Functionality

'POWER ON' Is Indicated By The LCD Display Being Illuminated. This Indicates 115 Volt Power Is Present For The Lift Controls



"UP": Press And Hold To Raise Lift. Lift Will Stop When The Push Button Is Released Or The Maximum Height Is Reached Or A Pre-Set Height Limit Is Reached.

'MODE': Depressing This Button Toggles The Controls From 'OPERATION MODE' To 'INFORMATION MODE'. Use The 'UP' And 'DOWN' Buttons To Scroll And Highlight Options In The 'INFORMATION MODE'. Depress The 'SELECT' Button To Select The Highlighted Options In The 'INFORMATION MODE'.



ATTENTION!

When Raising The Lift Off The Locks, Raise It Till You Hear The Locks Click. Then You Can Press The Down Button To Lower The Lift To Floor

Fig. 2

'Down': Press And Hold To Lower Lift. The Lift Will Begin To Lower And Will Continue To Lower Until The Push-Button Is Released Or The Fully Collapsed Position Is Reached.

'Lower To Locks': Press And Hold To Allow The Lift To Rest On The Mechanical Locks. The Lift Will Stop Lowering When The Push-Button Is Released Or The Lift Is Resting On The Mechanical Locks.

Note: The Lift Must Be Raised Off Of The Locks Before The Down Button Can Be Used To Lower The Lift To The Floor.

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-90 *ALI Safety Tips* card; ANSI/ALI ALOIM-2000, *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-2000, *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-2000, *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-2000, *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-2000, *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.

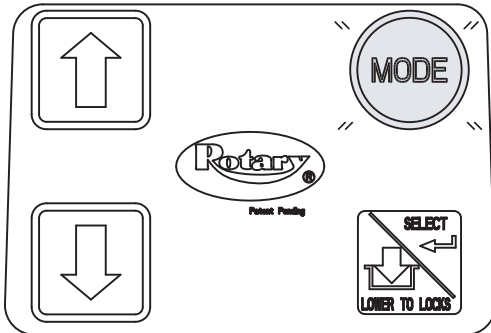
Setting And Using The User Preferred Height Limits

There are (3) preferred height limits that can be set on the SC9i.
All (3) limits can be set but they will not function until (1) of the
(3) is activated. Once a height limit is set and activated, the lift
will stop upward travel at the set height. Follow these steps.

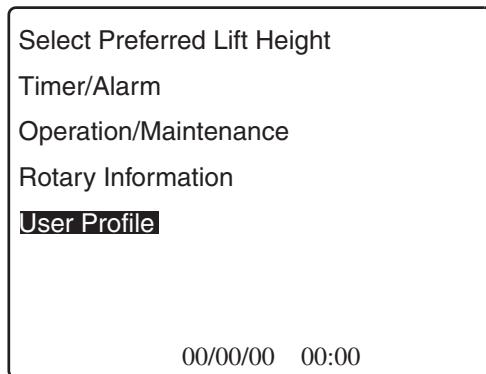
Setting Height Limits:

Step 1: Raise Lift To Preferred Height
To Be Set

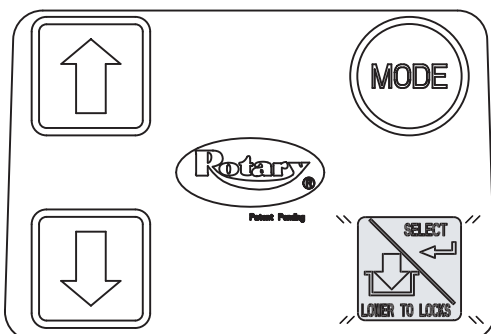
Step 2: Press "MODE"



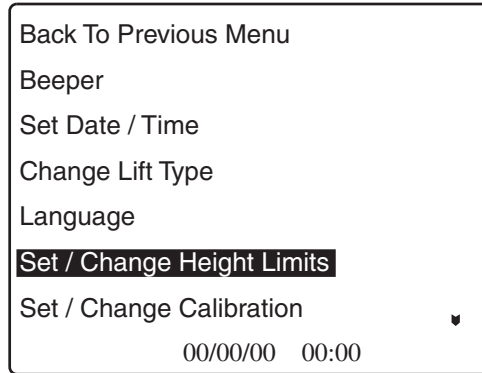
Step 3: Scroll Down Until
"User Profile" Is Highlighted



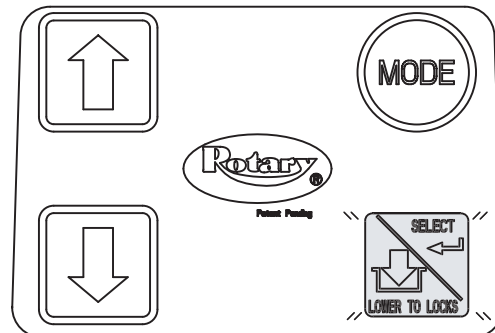
Step 4: Press "SELECT"



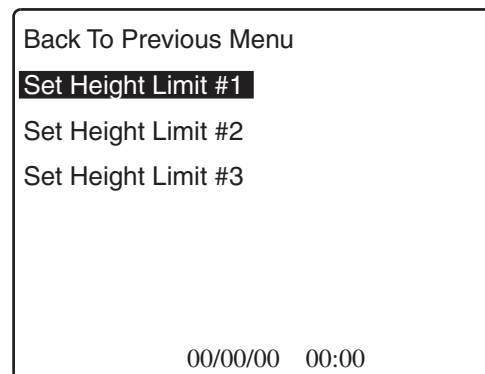
Step 5: Scroll Down Until
"Set / Change Height Limits" Is Highlighted



Step 6: Press "SELECT"



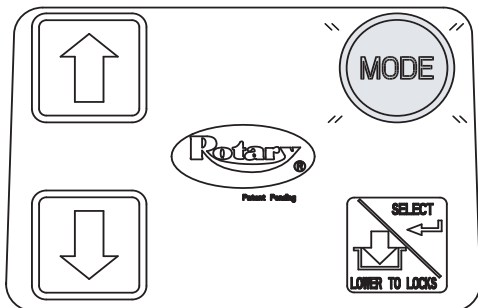
Step 7: Scroll Down Until
"Set Height Limit #1" Is Highlighted And
Press "SELECT"



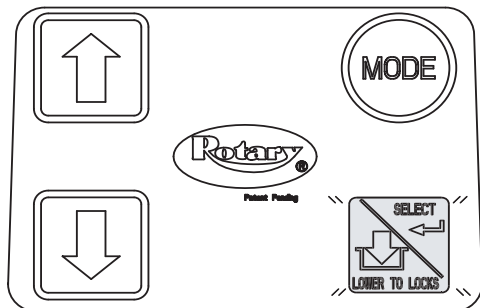
Step 8: Repeat This Process For
Height Limits #2 & #3

Activating Height Limits That Have Been Set

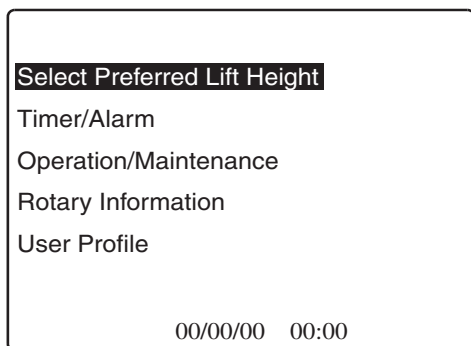
Step 1: Press "MODE"



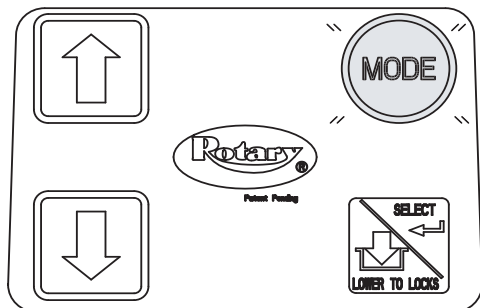
Step 5: Press "SELECT"



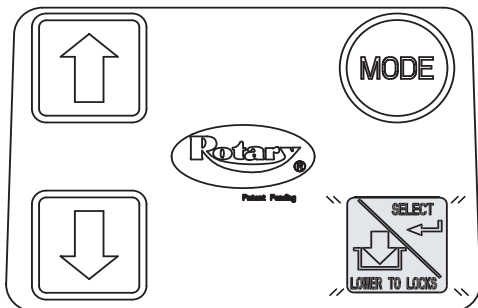
Step 2: "Select Preferred Lift Height"
Should Be Highlighted



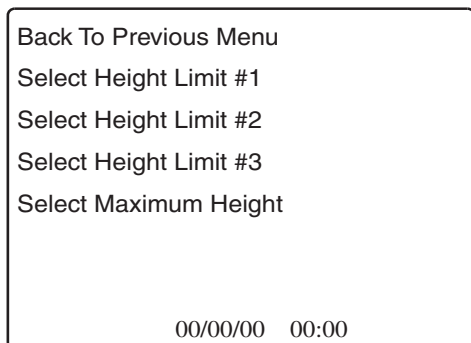
Step 6: Press "MODE". The
Lift Will Now Stop At The
Designated Height Setting.



Step 3: Press "SELECT"

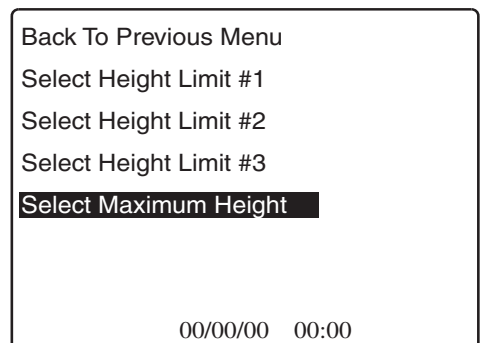


Step 4: Highlight A Preferred Height To Activate
Either #1, #2, Or #3



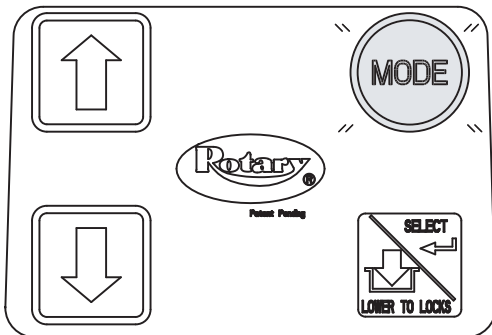
Step 7: Repeat This Process For
Other Height Limits

NOTE: To Deactivate The Preferred Lift Heights
Repeat Steps 1-3 But Highlight
"Select Maximum Height"
Press SELECT, Then Press MODE.
The Lift Will Now Raise To Maximum Height

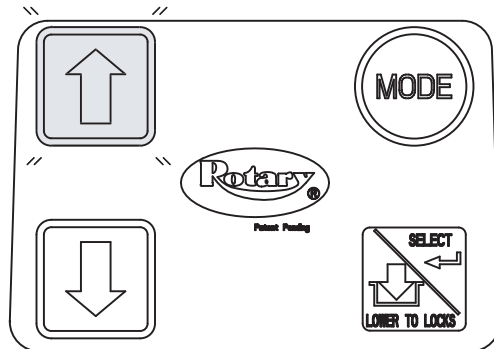


Contrast Adjustment For LCD Screen

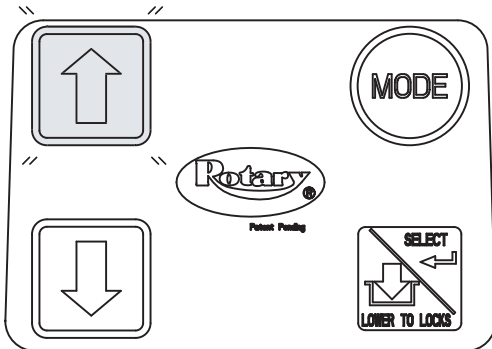
Step 1: Press "MODE"



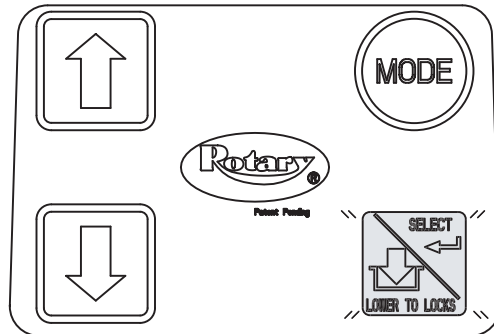
Step 4: Press "UP" 2 Times



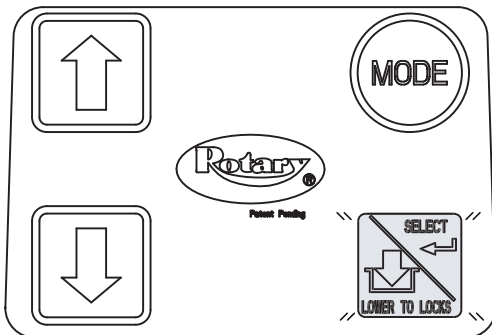
Step 2: Press "UP" Once



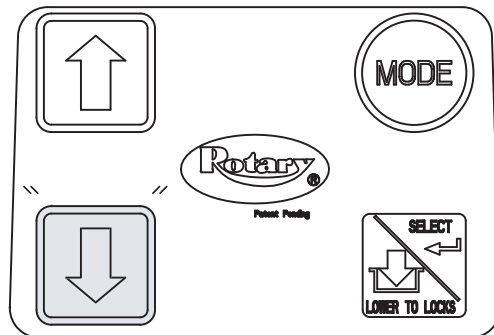
Step 5: Press "SELECT"



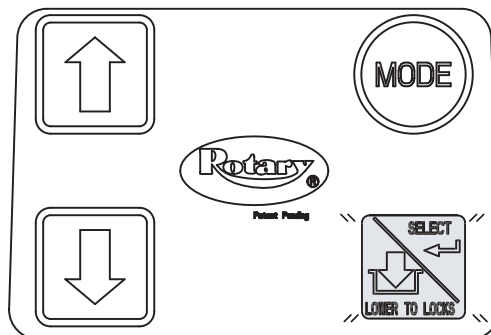
Step 3: Press "SELECT"



Step 6: Press "DOWN"



Step 7: Press "SELECT" Repeatedly Until Screen Graphics Appear Again, Press "MODE" To Exit.



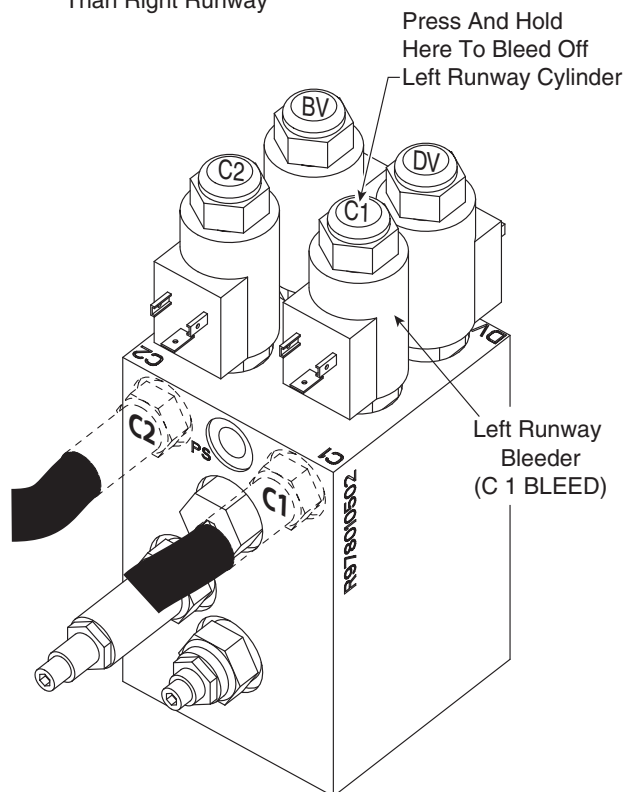
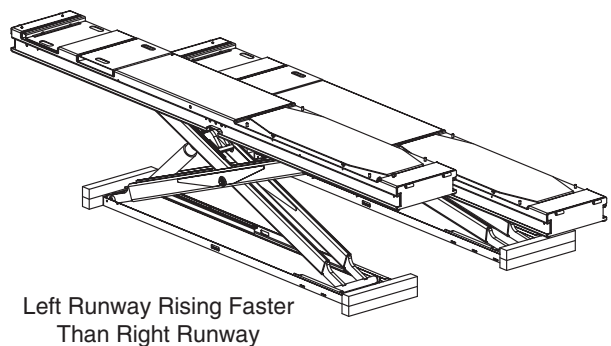
Manually Raising And Lowering Runways:

To manually raise the lift, the motor starter (contactor) and blocking valve (labeled as **BV** and shown in the two figures below) will have to be actuated simultaneously by hand. The motor starter is located on the back panel, right hand side, of the upper enclosure and the blocking valve is located next to the power unit motor in the lower cabinet. To raise the lift, depress the manual override dome button on the blocking valve and then actuate the motor starter using the button on top of the contactor.

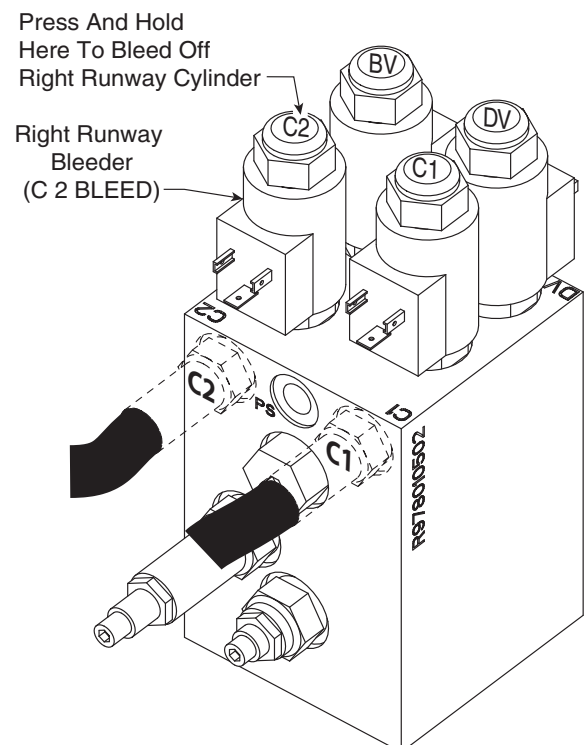
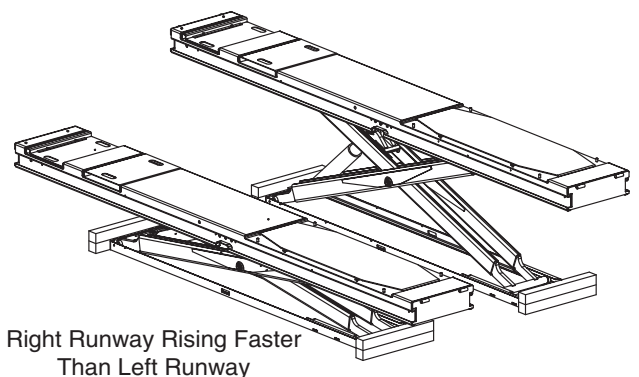
IMPORTANT When raising or lowering the lift manually, the equalization software is not enabled thus the lift runways will not raise or lower evenly. To combat this issue, the **C1** and **C2** bleed off valves will be utilized, see figures below.

The bleed off valves will simply slow down their respective runway during the rise cycle. For example, if during a rise cycle the left runway is rising faster, simply actuate **C1** bleed off valve to slow the ascent of the left runway. Actuate the **C2** bleed off valve if the right runway is rising faster.

To manually lower the lift, the **C1 bleed off** and **C2 bleed off**, and the **air/electric solenoid** will have to be actuated. The air electric solenoid is located on the back panel left hand side of the upper enclosure. Actuate the solenoid by pressing the small button on top. This disengages the locks. Begin by making sure the runways are NOT on the locks. If needed, follow the instructions above to raise the runways off of the locks. Manually actuate the air/electric solenoid to disengage the locks, and then manually actuate the **C1** and **C2** valves to lower lift. Use **C1** and **C2** valves to control the level of the platforms during decent.



Manifold In Control Cabinet



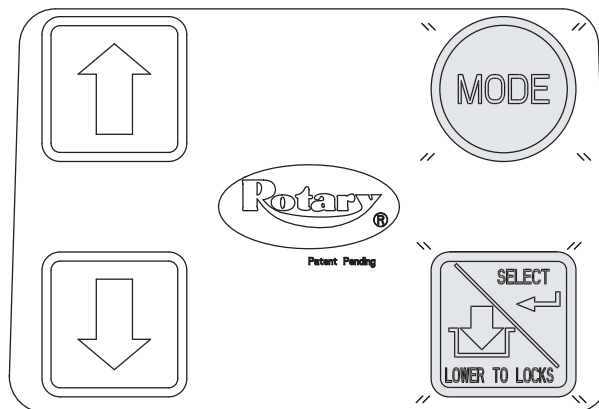
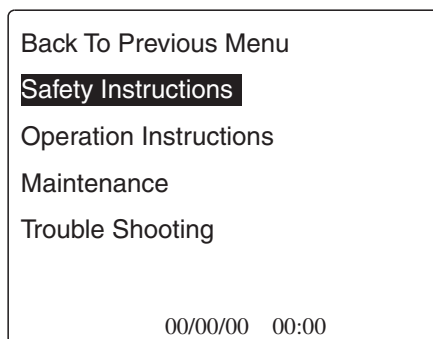
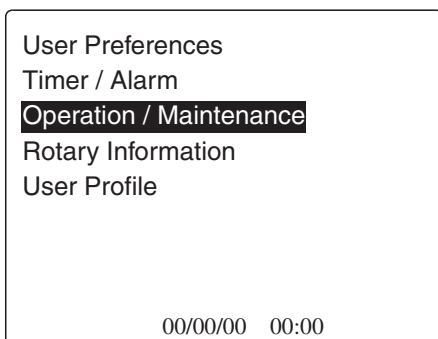
Manifold In Control Cabinet

Safety Instructions

Locate the safety instruction screens - there are 23. Make sure all personnel operating the lift are aware of their location and they read and understand these instructions. The following pages shows the safety instructions as they appear on the LCD Display.

Step 1: To Review The Safety Instructions
Press "MODE"
Highlight "Operation / Maintenance"
Press "SELECT"


Step 2: Highlight "Safety Instructions"
Press "SELECT"
Continue to Press "SELECT"
To Scroll Thru Instructions



Safety Instructions Screen #1

**SAFETY
INSTRUCTIONS**

Read operating and safety manuals before using lift.

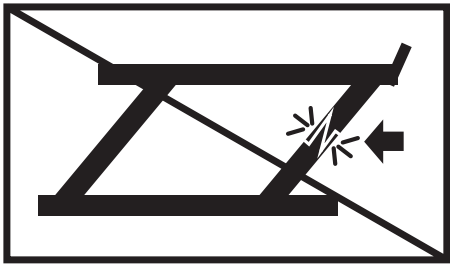


00/00/00 00:00

Safety Instructions Screen #4

**SAFETY
INSTRUCTIONS**

Do not operate a damaged lift.



00/00/00 00:00

Safety Instructions Screen #2

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.

00/00/00 00:00

Safety Instructions Screen #5


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.

00/00/00 00:00

Safety Instructions Screen #3


**SAFETY
INSTRUCTIONS**

Proper maintenance and inspection is necessary for safe operation.





00/00/00 00:00

Safety Instructions Screen #6

 **CAUTION**

Lift to be used by trained operator only.



00/00/00 00:00

Safety Instructions Screen #7

NEVER allow unauthorized or untrained persons to position vehicle or operate lift.

00/00/00

00:00

Safety Instructions Screen #10

NEVER overload lift. Capacity of lift is shown on nameplate affixed to the lift.

DO NOT stand in front of the vehicle while it is being positioned in lift bay.

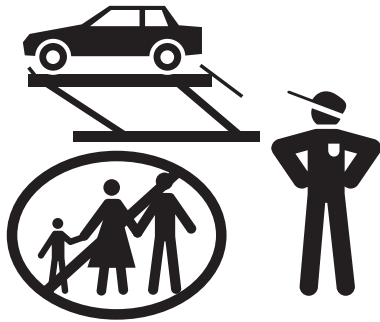
00/00/00

00:00

Safety Instructions Screen #8

CAUTION

Authorized personnel only in lift area.



00/00/00

00:00

Safety Instructions Screen #11

DO NOT permit anyone on lift or inside vehicle when it is either being raised or lowered.

BE SURE no one is standing in front or behind lift while vehicle is being driven on or off the lift.

00/00/00

00:00

Safety Instructions Screen #9

PROHIBIT unauthorized persons from being in shop area while lift is in use.

ALWAYS keep area around lift free of tools, debris, grease, and oil.

ALWAYS keep runway clean.

00/00/00

00:00

Safety Instructions Screen #12

WARNING

Remain clear of lift when raising or lowering vehicle.



00/00/00

00:00

Safety Instructions Screen #13



WARNING

Do not override self-closing lift controls.



00/00/00 00:00

Safety Instructions Screen #16

Remain clear of lift when raising or lowering vehicle.

Do Not perform any maintenance on the power unit, control valves, air or fluid lines, hydraulic cylinders, or check fluid level until lift has been fully lowered and all pressure has been released from system.

Follow OSHA Lockout/Tagout procedures as they apply; reference ANSI Z244.1.

00/00/00 00:00

Safety Instructions Screen #14



WARNING

Keep feet clear of lift while lowering.



00/00/00 00:00

Safety Instructions Screen #17

ALWAYS stand clear of lift when raising or lowering and observe 'PINCH POINTS' Warning.

00/00/00 00:00


Safety Instructions Screen #15

ALWAYS lower lift on locks before working on vehicle.

Replace all Caution, Warning, or Safety related decals on the lift when unable to read or are missing.

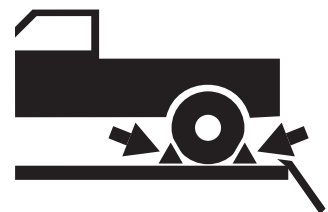
00/00/00 00:00

Safety Instructions Screen #18



WARNING

Chock wheel to prevent vehicle movement.



00/00/00 00:00

Safety Instructions Screen #19

DO NOT allow rear tires or portion of vehicle to interfere with ramp/chocks.

BE SURE front wheel stops are in raised position before driving vehicle on to lift.

00/00/00

00:00

Safety Instructions Screen #22

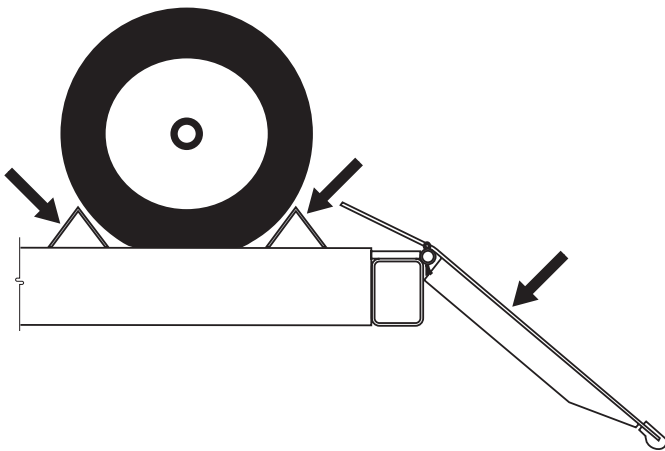
NEVER overload rolling jack. Capacity of rolling jack is stated on the nameplate.

Capacity should not be exceeded. Observe and avoid any pinch point areas of the linkage mechanism.

00/00/00

00:00

Safety Instructions Screen #20



00/00/00

00:00

Safety Instructions Screen #23



WARNING

Runway locks must be engaged before raising vehicle on jacks.

DO NOT operate lift while jacks are engaged.



00/00/00

00:00

Safety Instructions Screen #21

NEVER allow unauthorized or untrained persons to operate rolling jack.

THOROUGHLY train all employees in the use and care of rolling jack.

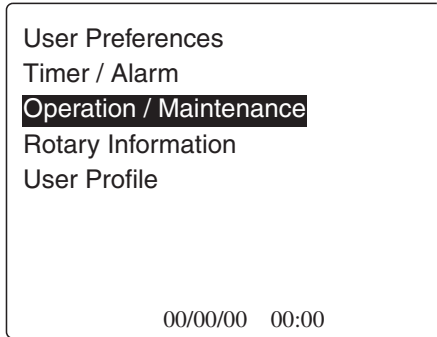
00/00/00

00:00

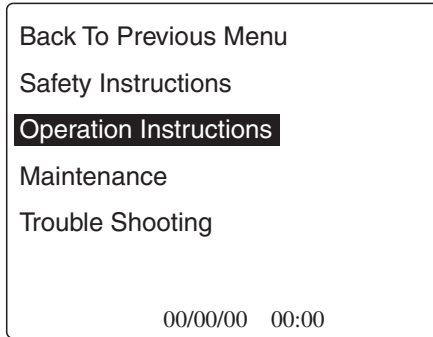
Operation Instructions

Locate the operation instruction screens - there are 13. Make sure all personnel operating the lift are aware of their location and they read and understand these instructions.
The following pages shows the operation instructions as they appear on the LCD Display.

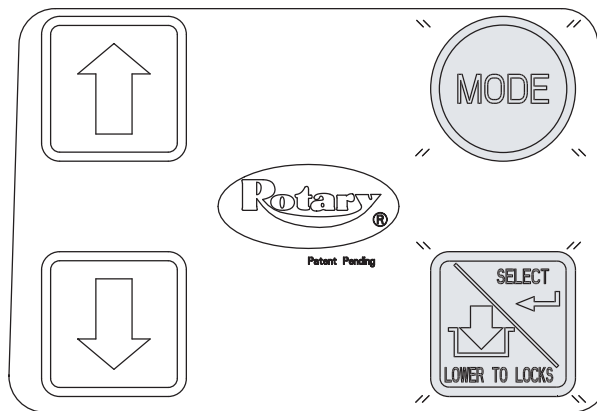
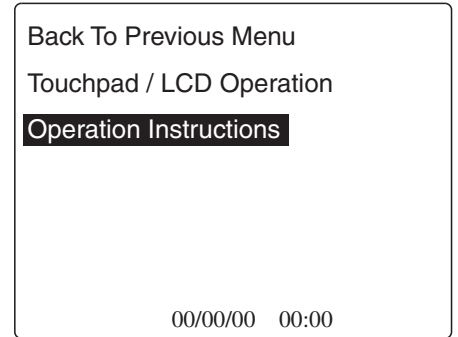
Step 1: To Review The Operation Instructions Press "MODE"
Highlight Operation / Maintenance Press "SELECT"



Step 2: Highlight Operation Instructions, Press "SELECT"



Step 3: Highlight Operation Instructions, Press "SELECT"
Continue To Press "SELECT" To Scroll Thru Instructions



Operation Instructions Screen #1

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.

Observe and heed Safety, Caution, and Warning labels on the lift.

00/00/00 00:00

Operation Instructions Screen #2

LOADING: Lift must be fully lowered and service bay clear of all personnel before the vehicle is brought on lift. If lift is equipped with rolling jacks, they must be fully lowered and the rear jack pushed toward center of lift to provide under vehicle clearance.

Front Wheel Stops on runways must be in raised position.

00/00/00 00:00

Operation Instructions Screen #3

Turning radius gauge and rear wheel slip plate locks must be installed in lock position.

Drive vehicle onto lift. Stop when vehicle's front wheels are centered on turning radius gauges.

At all times, be sure rear wheels are forward of ramp/chocks and the ramp/chocks will clear tires when lift is raised.

00/00/00

00:00

Operation Instructions Screen #6

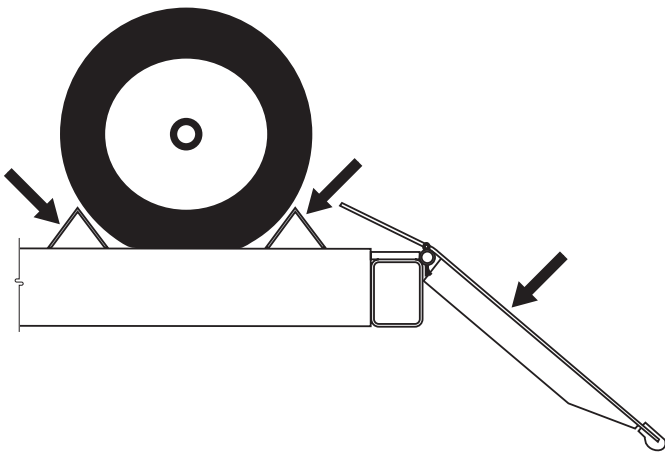
Push LOWER TO LOCKS button on touch pad to lower lift onto locking latches.

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

00/00/00

00:00

Operation Instructions Screen #4



00/00/00

00:00

Operation Instructions Screen #7

WARNING

Runway locks must be engaged before raising vehicle on jacks.

DO NOT operate lift while jacks are engaged.



00/00/00

00:00

Operation Instructions Screen #5

TO RAISE LIFT: Drivers and passengers must exit vehicle before raising lift. For all lifts, push UP button on touchpad.

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

00/00/00

00:00

Operation Instructions Screen #8

TO LOWER LIFT: Remove all tools or other objects from lift area.

If lift is equipped with rolling jacks, they must be fully lowered and the rear jack pushed toward center of lift to provide under car clearance.

Turning radius gauge and rear wheel slip plate locks must be in locked position.

00/00/00

00:00

Operation Instructions Screen #9

Push UP button on touchpad to raise lift off locking latches.

Push DOWN button on touchpad to lower lift.

Remain clear of lift when lowering vehicle. Observe pinch point warning decals.

00/00/00 00:00

Operation Instructions Screen #12

If lift is not operating properly, DO NOT use until adjustment or repairs are made by qualified lift service personnel.

00/00/00 00:00

Operation Instructions Screen #10

Observe lift and vehicle to be sure lift is level while being lowered.

Fully lower lift, remove the triangular wheel chocks and check to be sure area is clear before removing vehicle from lift.

00/00/00 00:00

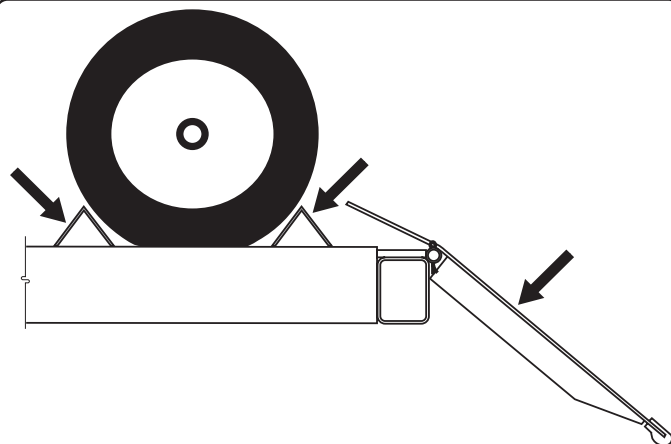
Operation Instructions Screen #13

To select Preferred Height Limits:

- 1.) Press 'MODE' button for main menu.
- 2.) Highlight 'Select Preferred Lift Height' from menu.
- 3.) Press the 'Select' button.
- 4.) Highlight and select desired Height Limit. Push 'Mode' to return to 'Operation Mode'.

00/00/00 00:00

Operation Instructions Screen #11



00/00/00 00:00

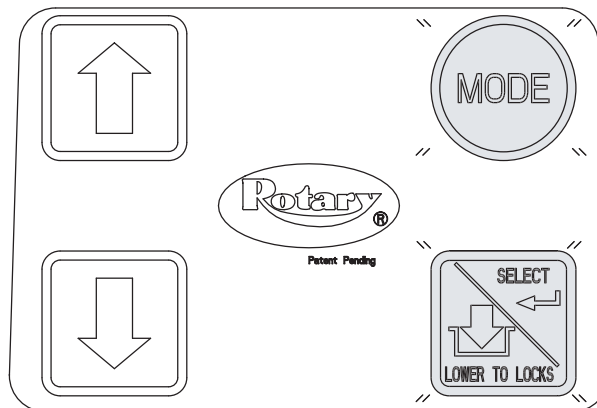
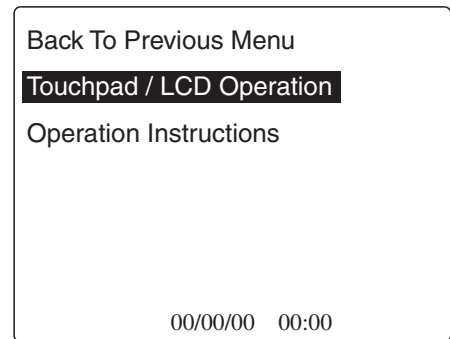
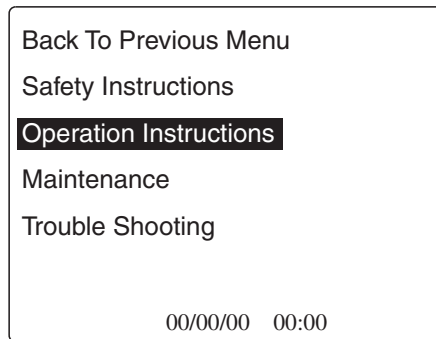
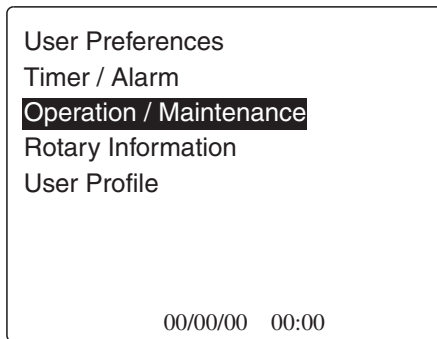
Toughpad / LCD Operation

Locate the touchpad / LCD operation instruction screens - there are 8. Make sure all personnel operating the lift are aware of their location and they read and understand these instructions. The following pages shows the operation instructions as they appear on the LCD Display.

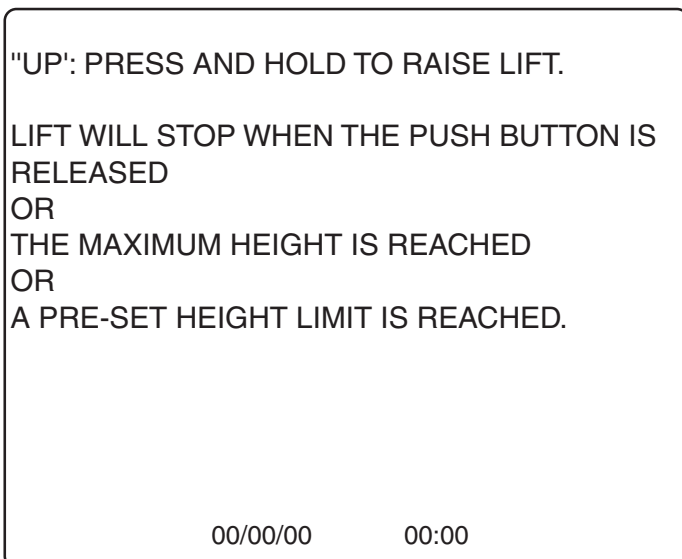
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Highlight Operation / Maintenance Press "SELECT"

Step 2: Highlight Operation Instructions, Press "SELECT"

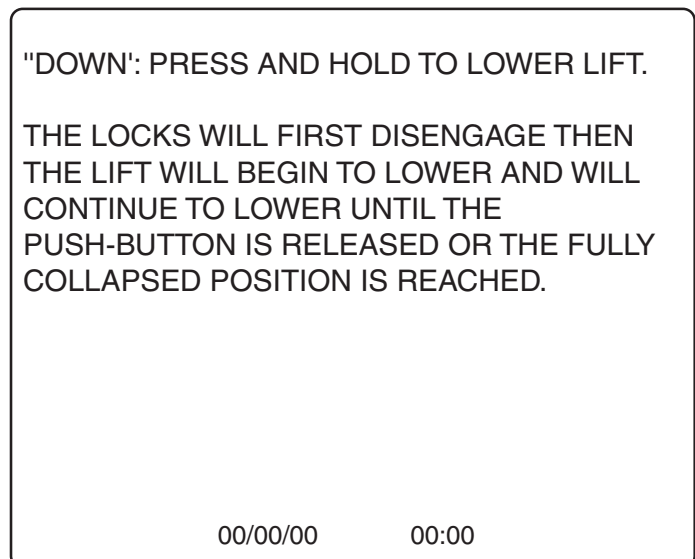
Step 3: Highlight Touchpad / LCD Operation, Press "SELECT"
Continue To Press "SELECT" To Scroll Thru Instructions



Touchpad / LCD Screen #1



Touchpad / LCD Screen #2



Touchpad / LCD Screen #3

"LOWER TO LOCKS": PRESS AND HOLD TO ALLOW THE LIFT TO REST ON THE MECHANICAL LOCKS.

THE LIFT WILL STOP LOWERING WHEN THE PUSH-BUTTON IS RELEASED OR THE LIFT IS RESTING ON THE MECHANICAL LOCKS.

00/00/00

00:00

Touchpad / LCD Screen #6

"OPERATOR LOCKOUT" OCCURS WHEN A FAULT SCREEN IS PRESENT ON THE LCD. THE LIFT WILL NOT FUNCTION WHEN AN 'OPERATOR LOCKOUT' IS PRESENT.

PRESS 'MODE BUTTON' FOR TROUBLESHOOTING INSTRUCTIONS.

00/00/00

00:00

Touchpad / LCD Screen #4

"MODE": DEPRESSING THIS BUTTON TOGGLES THE CONTROLS FROM 'OPERATION MODE' TO 'INFORMATION MODE'

USE THE 'UP' AND 'DOWN' BUTTONS TO SCROLL AND HIGHLIGHT OPTIONS IN THE 'INFORMATION MODE'.

DEPRESS THE 'SELECT' BUTTON TO SELECT THE HIGHLIGHTED OPTIONS IN THE 'INFORMATION MODE'.

00/00/00

00:00

Touchpad / LCD Screen #7



CAUTION

When a fault is indicated by the LCD, it is imperative that the fault is located and properly diagnosed before the lift is operated. Any attempt to bypass the Operator Lockout could result in serious damage or personal injury. Consult your authorized service representative if fault cannot be corrected.

00/00/00

00:00

Touchpad / LCD #5

"POWER ON" IS INDICATED BY THE LCD DISPLAYING THE 'INBAY' LOGO. THIS INDICATES 115 VOLT POWER IS PRESENT FOR THE LIFT CONTROLS.

00/00/00

00:00

Touchpad / LCD Screen #8

"RESETTING AN OPERATOR LOCKOUT"

TO RESET AN 'OPERATOR LOCKOUT' DEPRESS THE 'MODE' BUTTON FOR OPERATOR LOCKOUT INSTRUCTIONS.

00/00/00

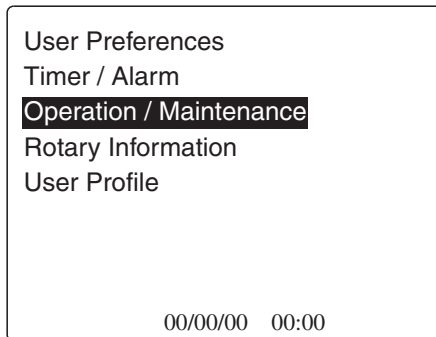
00:00

Maintenance Instructions

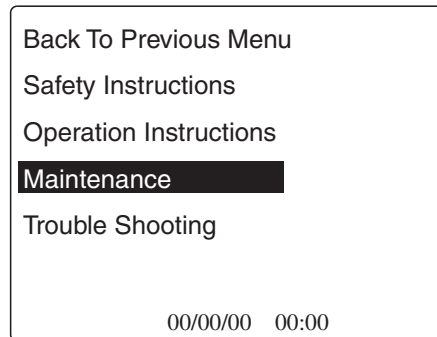
Locate the maintenance instruction screens - there are 12. Make sure all personnel operating the lift are aware of their location and they read and understand these instructions.

The following pages shows the maintenance instructions as they appear on the LCD Display.

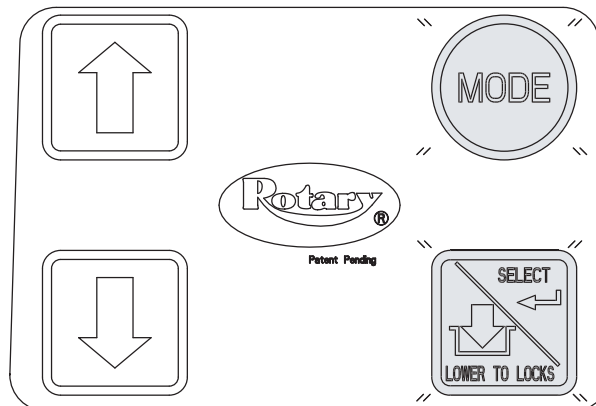
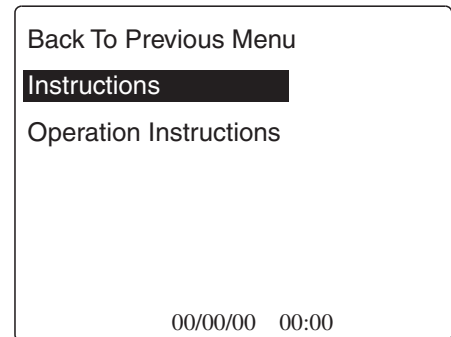
Step 1: To Review The Operation Instructions Press "MODE"
Highlight Operation / Maintenance
Press "SELECT"



Step 2: Highlight Maintenance Instructions, Press "SELECT"



Step 3: Highlight Instructions, Press "SELECT" Continue
To Press "SELECT" To Scroll Thru Instructions



Maintenance Instructions Screen #1

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.

00/00/00 00:00

Maintenance Instructions Screen #4



If any binding or rubbing is noticed during inspection of the mechanical locks, the condition **MUST BE CORRECTED** - the safety locks may malfunction causing serious damage or personal injury. Consult your authorized service representative if fault cannot be determined and repaired.

00/00/00 00:00

Maintenance Instructions Screen #2

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.

00/00/00 00:00

Maintenance Instructions Screen #5

DO NOT LUBRICATE THE PINS OR BEARINGS ON THIS LIFT

The bearings on this lift are made of composite material that is self lubricating.

Lubricating the pins or bearings could reduce the bearing performance or shorten the bearing life.

00/00/00 00:00

Maintenance Instructions Screen #3

INSPECT MECHANICAL SAFETY LOCKS.

MONTHLY: With the lift in the fully raised position and supported only by the hydraulic cylinders, look under each platform and inspect both locking latches for smooth operation. Each locking latch should open and close smoothly and freely without binding or rubbing. A locking latch which does not operate freely must be serviced immediately to correct this condition.

00/00/00 00:00

Maintenance Instructions Screen #6

HYDRAULIC OIL RESERVOIR LEVEL.

SEMI-ANNUALLY: Check the level of the hydraulic oil and the condition of the oil. If the oil level is below three inches from the top of the reservoir add oil to the reservoir before using the lift again. The lift should be in the fully lowered position to check the oil level. Approved hydraulic oil includes either ISO 32 or AW 32. Replace oil every 5 years.

00/00/00 00:00

Maintenance Instructions Screen #7



CAUTION

Check the hydraulic oil level in the full LOWERED position - DO NOT CHECK OR ADD OIL IN THE RAISED POSITION - an overflow condition may result. Needless damage could occur to lift components.

00/00/00

00:00

Maintenance Instructions Screen #10



CAUTION

ANY HOSE WHICH SHOWS SIGNS OF AGE, DAMAGE OR DISTRESS MUST BE REPLACED AT ONCE. ANY SIGNS OF LEAKAGE OR DAMAGE TO THE HYDRAULIC FITTINGS OR TUBING MUST BE CORRECTED AT ONCE. Hydraulic hoses are under very high pressures, and failure or malfunction could result in personal injury and failure of hydraulic components. Consult your authorized service representative for proper fittings, hoses, or repair.

00/00/00

00:00

Maintenance Instructions Screen #8



CAUTION

ANY DIRT OR CONTAMINATION WHICH IS FOUND IN THE HYDRAULIC RESERVOIR SHALL BE REMOVED AT ONCE. This dirt could get into the cylinders and DAMAGE or DESTROY the seals resulting in a POTENTIALLY SERIOUS SAFETY HAZARD. Clean the hydraulic reservoir thoroughly and replace only with approved oil. Contact your authorized service representative if further assistance is required.

00/00/00

00:00

Maintenance Instructions Screen #11

CHECK PIN LOCATIONS FOR ANY SIGNS OF WEAR, DISTRESS, OR ROTATION.

SEMI-ANNUALLY: Any signs of wear or distress should be corrected at once. Check all of the pins on each of the platforms. Check for signs of pin rotation. If any pin is found rotating while the lift is operating, THE SITUATION MUST BE CORRECTED. A rotating pin can wear and reduce the ability to carry a load.

00/00/00

00:00

Maintenance Instructions Screen #9

INSPECT THE HYDRAULIC SYSTEM.

SEMI-ANNUALLY: Inspect the condition of the cylinders and hydraulic lines leading to the cylinder. The condition of the hoses must be inspected carefully. Any hose which shows signs of age, damage or distress must be replaced at once. Inspect the fittings and the hydraulic tubing leading to all hydraulic cylinders. Look for signs of leakage or damage on the fittings and tube.

00/00/00

00:00

Maintenance Instructions Screen #12

CHECK THE PLATFORM FOR DISTRESS.

SEMI-ANNUALLY: Visually check the platform for any signs of distress such as cracking of welds. Any cracks or distortion of the members must be corrected at once.

00/00/00

00:00

Maintenance Instructions Screen #13

CHECK EACH LEG.

SEMI-ANNUALLY: The legs shall be inspected visually for any signs of distress or damage. Visually check the leg member, leg welds, and the pin areas. If any signs of cracking or distortion are found they must be corrected at once.

00/00/00 00:00

Maintenance Instructions Screen #16

EVERY 90 DAYS: Lubricate front wheel stop and transition plate hinge pins.

00/00/00 00:00

Maintenance Instructions Screen #14



Distress or cracking in welded members, components, platforms or legs is indicative of a potentially serious weakening of the overall load bearing capacity. The cracking or distortion **MUST BE CORRECTED AT ONCE**. Further operation of the lift could result in personal injury or catastrophic failure of the lift. Consult your authorized service representative **IMMEDIATELY** for repair.

00/00/00 00:00

Maintenance Instructions Screen #17

CHECK PLATFORM POSITION CABLE.

MONTHLY: Under Each Platform Check Cable For Abrasion And Ensure All Connections Are Secure.
Check Cable Tension that Cable Is Not Slack and Readily Retracts Back Into Its Housing.
Check that Position Sensor Mounting Hardware Is Secure.

00/00/00 00:00

Maintenance Instructions Screen #15

EVERY 90 DAYS: Check torque on the base anchor bolts. Anchors should be torqued to 45ft-lbs.

00/00/00 00:00

Maintenance Instructions Screen #18

Replace all caution, warning or safety related decals on the lift if unable to read or missing. Reorder labels from Rotary Lift.

00/00/00 00:00

Maintenance Reminder Screens Will Activate According To Table Below. Maintenance Reminders Can Be Turned ON And OFF.

Maintenance Reminder Default Schedule		
Inspect Front Wheel Stops	7 Days	(Weekly)
Inspect Ramp Chocks	7 Days	(Weekly)
Check Locking Latch Operation	7 Days	(Weekly)
Clean Slip Plate/Radius Gauge	7 Days	(Weekly)
Lube Turning Radius Guide	30 Days	(1 Month)
Check All Bolts for Tightness	60 Days	(2 Months)
Check Power Unit Fluid Level	180 Days	(6 Months)
Check Anchor Bolt Tightness	90 Days	(3 Months)
Inspect Hydraulic System	180 Days	(6 Months)
Inspect Structural System	180 Days	(6 Months)
Check Position Sensor Cables	30 Days	(1 Month)

TROUBLE SHOOTING

Troubleshooting Description	Possible Cause	Remedy
Lift Stops Short Of Full Rise	Low Oil Level / Height Setting	Low hydraulic oil level - <ol style="list-style-type: none"> 1. Refill reservoir per the install instructions and with the recommended oil grade. 2. Check upper height limit setting 3. Reset to maximum height setting under main menu / User Profile.
Lift Chatters	Low Oil Level / Leveling System	Low hydraulic oil level- <ol style="list-style-type: none"> 1. Check for leaks. 2. Refill reservoir per the installation instructions and with the recommended oil grade. 3. System wiring not clean and tight - inspect and repair loose or damaged connections.
Cylinder Groaning		<ol style="list-style-type: none"> 1. Air In system - cycle lift to full stroke. 2. Dry hydraulic cylinder rod. Spray with silicon lubricant.
Anchors Will Not Stay Tight	Holes Drilled Oversize	<ol style="list-style-type: none"> 1. Relocate lift using a new bit to drill holes. Reference installation instructions for proper anchoring method and minimum spacing requirements.
	Concrete Floor Not Thick Enough	<ol style="list-style-type: none"> 1. Break out old concrete and re-pour per lift installation instructions.
	Concrete Floor Not Strong Enough	<ol style="list-style-type: none"> 1. Break out old concrete and re-pour per lift installation instructions.
Lift Going Up Unlevel	Platforms Are Out Of Level	<ol style="list-style-type: none"> 1. Leveling system component not operating properly- recalibrate per installation instructions. 2. Check obstructions/locks- the lift must be raised manually to move the lift to within operating limits . 3. Manually override the operating system to move the lift to within operation limits. Refer to Manually raising and lowering runways. 4. Check for pinched or chafed position sensor cable. Use a continuity tester to check signal wires to shield fault then each conductor to another for a fault. Replace cable if damaged.

TROUBLE SHOOTING

Troubleshooting Description	Possible Cause	Remedy
Lift Going Up Uneven - Continued	Lift Installed On Uneven Floor	1. Shim lift to level per installation instructions. If over 1/2"(13mm) inquire about optional shim kit from your authorized representative.
Slow Lifting Speed	Low Oil / Air Mixed With Oil	1. Air mixed with oil- make sure oil is of recommended grade. 2. Air mixed with oil suction- tighten all suction line fittings. 3. Hydraulic oil level- refill reservoir per the maintenance instructions and with the recommended oil grade.
Oil Blowing Out Fill-Breather Cap	Oil Leak/Pump Failure	1. External oil leak- locate and repair leak. Internal oil leak- have hydraulic system serviced by an authorized service representative.
	Voltage / Vehicle Weight	1. Incoming motor voltage incorrect- contact your local service authority. 2. Vehicle weight and balance not within lift capacity.
Lift Slowly Settles Down	Air Mixed With Oil	1. Change oil using ISOVG32 Hydraulic Oil or Dexron III ATF. Hydraulic tank overfilled.
	Air Mixed With Oil Suction Oil Return Tube Loose	1. Tighten all suction line fittings. 1. Reinstall oil return tube.
	Debris In Check Valve Seat	1. Clean check valve.
	Debris In Hydraulic System Valve Seat	1. Consult installation instructions for system schematic. 2. Inspect and clean hydraulic valves as required. If problem persists, contact your authorized representative.
Lift Fails To Raise/Lower	Oil Leak	1. External oil leak- locate and repair leak. Internal oil leak- have hydraulic system serviced by an authorized service representative.
	While Pressing UP Button	1. Follow trouble shooting instructions for fault displayed. 2. Touch pad defective- replace touch pad. 3. Motor/pump runs but will not lift load- vehicle weight and balance not within rated lift capacity.

TROUBLE SHOOTING

Troubleshooting Description	Possible Cause	Remedy
Lift Fails To Raise/Lower -continued		<ol style="list-style-type: none"> 4. Motor rotation incorrect. 5. Insufficient motor voltage present. 6. Height limit not set properly- reset maximum height limit. 7. Inspect and repair loose or damaged wiring. 8. Check for blown fuse. 9. Check for pinched or chafed position sensor cable.
	While Pressing DOWN Button	<ol style="list-style-type: none"> 1. Follow trouble shooting instructions for fault displayed. 2. Touch pad defect- replace touchpad. 3. Hydraulic valve(s) malfunctioning- check electrical connections or replace hydraulic valve(s). 4. Velocity fuses malfunctioning- pressurize lift hydraulically then use manual override valves to release hydraulic pressure. 5. Reset lower height limit. Lower height limit not set properly- reset lower height limit.
	While Pressing LOWER TO LOCKS	<ol style="list-style-type: none"> 1. Follow trouble shooting instructions for fault displayed. 2. Touch pad defect- replace touchpad. 3. Hydraulic valve(s) malfunctioning- check electrical connections or replace hydraulic valve(s). 4. Velocity fuses malfunctioning- pressurize lift hydraulically then use manual override valves to release hydraulic pressure. 5. Reset lower height limit. Lower height limit not set. 6. Check for blown fuse. 7. Check for pinched or chafed position sensor cable.
MODE Button Fails To Operate LCD Screen	Software need to be rebooted Insufficient air supply at pump	<ol style="list-style-type: none"> 1. Turn power off for 10 seconds and turn power back on.
Display Is Blank When Power Is Turned On	Blown fuse. Contrast out of adjustment.	<ol style="list-style-type: none"> 1. Check/replace fuse. Check all connections. 1. See Pg.6 for adjustment procedure.

TROUBLE SHOOTING

Troubleshooting Description	Possible Cause	Remedy
RJ Pump Will Not Start	Insufficient air supply at pump	1. Pump requires 100-120psi at 20cfm.
	Leak in air supply line	1. Locate and correct leakage.
	Plugged air filter	1. Remove and install a new filter.
	Bad air motor	1. Repair or replace air motor.
RJ Pump Starts But Stalls Under Load	Insufficient air supply at pump	1. Pump requires 100-120psi at 20cfm.
	Leak in air supply line	1. Locate and correct leakage.
	Plugged air filter	1. Remove and install a new filter.
	Bad air motor	1. Repair or replace air motor.
RJ Pump Runs But Will Not Lift Load	Lift loaded beyond capacity	1. Use lift only to rated capacity.
	External Oil Leaks	2. Repair leak, refill reservoir. CAUTION Do Not overfill reservoir. Lift must be completely lowered.
	Internal leakage.	1. Have pump serviced by an authorized service center.
	Release mechanism damaged or parts missing.	1. Replace damaged or missing parts.
	Wrong pump installed on lift.	1. Verify pressure rating of pumps meets pressure requirements of lift.
	Pump low on fluid	1. Lower lift and check fluid complying with MIL-H-5606. 2. Locate and correct leak. CAUTION: DO NOT OVERFILL RESERVOIR. Lift must be completely lowered.
	Fluid blowing out rear cover of air motor	1. Pump piston seal leaking, have pump serviced by an authorized service center.
	Pump malfunctioning	1. Have pump serviced by an authorized service center.
RJ Pump Runs But Not To Full Rise	Pump malfunctioning	1. Have pump serviced by an authorized service center.
RJ Drifts Down - Will Not Hold	Release mechanism damaged or parts missing.	1. Replace damaged or missing parts.
	External leakage	1. Locate leak and repair. Refill reservoir. CAUTION: DO NOT OVERFILL RESERVOIR. Lift MUST be completely lowered.

TROUBLE SHOOTING

Troubleshooting Description	Possible Cause	Remedy
RJ Drifts Down - Will Not Hold - Continued	Internal leakage	1. Have pump serviced by an authorized service center.
	Lift locking latch not released	1. Release locking latch.
	Release mechanism damaged or parts missing	1. Replace damaged or missing parts.
	Return flow of fluid restricted or blocked	1. Eliminate blockage. WARNING If rolling jack is the raised position, be sure to engage the mechanical locking device prior to attempting to service the unit. Failure to do so may cause lift to lower.
RJ Lowers Slow Or Not At All	Internal return flow restrictor is plugged	1. Replace damaged or missing parts.

**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.



World Headquarters:
Rotary, a DOVER COMPANY
2700 Lanier Drive
Madison, Indiana USA
www.rotarylif.com

Phone: 1.800.445.5438
Phone: 1.812.273.1622
Fax: 1.800.578.5438
Fax: 1.812.273.6502
userlink@rotarylif.com

World Wide Contact Information:
Canada: 905.812.9920
Germany: +49.771.9233.0
United Kingdom: +44.178.747.7711
Australasia: +60.3.7660.0285
Latin America/Caribbean: 1.812.273.1622
Middle East/South Africa: 1.812.273.1622