

PLEASE READ THE ENTIRE CONTENTS OF THIS MANUAL PRIOR TO INSTALLATION AND OPERATION. BY PROCEEDING YOU AGREE THAT YOU FULLY UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF THIS MANUAL. FORWARD THIS MANUAL TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH. 07-20-2016

Rev F P/N# 5900960

# INSTALLATION AND OPERATION MANUAL

## 7,000 LB. / 3.175 KG. CAPACITY FULL-RISE SCISSORS LIFTS

## MODEL:

SP-7X VERSION C SP-7XF VERSION C



Do not operate this machine until you read and understand all the dangers, warnings and cautions in this manual.



Keep this operation manual near the machine at all times. Make sure that <u>ALL USERS</u> read this manual.

## SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

## **BE SAFE**

Your new lift was designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.



1645 Lemonwood Dr. Santa Paula, CA. 93060, USA Toll Free 1-800-253-2363 Tel: 1-805-933-9970 www.bendpak.com www.bendpak.com.mx

# 7,000 POUND CAPACITY FULL RISE SCISSORS LIFT

This instruction manual has been prepared especially for you. Your new lift is the product of over 40 years of continuous research, testing and development; it is the most technically advanced lift on the market today.

## **READ THIS ENTIRE MANUAL BEFORE INSTALLATION & OPERATION BEGINS**

RECORD HERE THE LIFT AND POWER UNIT INFORMATION WHICH IS LOCATED ON THE SERIAL NUMBER DATA PLATES ON THE LIFT AND ON THE POWER UNIT

<b>BP</b> BendPa	ak,	Santa Paula, CA USA www.bendpak.com
MODEL	. NUMBER	
SERIAI	NUMBER	
LIFT CAPACITY		DESCRIPTION
DATE OF MFG.		
A DANGER!		
Disconnect Power Before Servicing		CEFH
WARRANTY VOID IF	DATA PLATE	IS REMOVED PN 5905150

This information is required when calling for parts or warranty issues.

# **PRODUCT WARRANTY**

Our comprehensive product warranty means more than a commitment to you; it's also a commitment to the value of your new BendPak lift. For full warranty details and to register your new lift contact your nearest BendPak dealer or visit:

http://www.bendpak.com/support/warranty/

## NOTE:

Every effort has been taken to ensure complete and accurate instructions have been included in this manual, however, possible product updates, revisions and or changes may have occurred since this printing. BendPak Ranger reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Not responsible for typographical errors.

## **IMPORTANT NOTES**

Do not attempt to install this lift if you have never been trained on basic automotive lift installation procedures. Never attempt to lift components without proper lifting tools such as forklift or cranes. Stay clear of any moving parts that can fall and cause injury. These instructions must be followed to insure proper installation and

operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied resulting from improper installation or use of this product.

## PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION.

## DEFINITIONS OF HAZARD LEVELS

Identify the hazard levels used in this manual with the following definitions and signal words:

# **DANGER**

Watch for this symbol: It Means: Immediate hazards which will result in severe personal injury or death.



Watch for this symbol: It Means: Hazards or unsafe practices which could result in severe personal injury or death.

# 

Watch for this symbol: It Means: Hazards or unsafe practices which may result in minor personal injury, product or property damage.

## **OWNER'S RESPONSIBILITY**

To maintain the lift and user safety, the responsibility of the owner is to read and follow these instructions:

- Follow all installation and operation instructions.
- Make sure installation conforms to all applicable Local, State, and Federal Codes, Rules, and Regulations; such as State and Federal OSHA Regulations and Electrical Codes.
- Carefully check the lift for correct initial function.
- Read and follow the safety instructions. Keep them readily available for machine operators.
- Make certain all operators are properly trained, know how to safely and correctly operate the unit, and are properly supervised.
- Allow unit operation only with all parts in place and operating safely.
- Carefully inspect the unit on a regular basis and perform all maintenance as required.
- Service and maintain the unit only with authorized or approved replacement parts.
- Keep all instructions permanently with the unit and all decals on the unit clean and visible.

## **BEFORE YOU BEGIN**

## **Receiving:**

The shipment should be thoroughly inspected as soon as it is received. The signed bill of lading is acknowledgement by the carrier of receipt in good condition of shipment covered by your invoice. If any of the goods called for on this bill of lading are shorted or damaged, do not accept them until the carrier makes a notation on the freight bill of the shorted or damaged goods. Do this for your own protection.

**NOTIFY THE CARRIER AT ONCE** if any hidden loss or damage is discovered after receipt and request the carrier to make an inspection. If the carrier will not do so, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request.

IT IS DIFFICULT TO COLLECT FOR LOSS OR DAMAGE AFTER YOU HAVE GIVEN THE CARRIER A CLEAR RECEIPT. File your claim with the carrier promptly. Support your claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping you process your claim does not make BendPak responsible for collection of claims or replacement of lost or damaged materials.

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## INSTALLER / OPERATOR PLEASE READ AND FULLY UNDERSTAND. BY PROCEEDING YOU AGREE TO THE FOLLOWING.

• I have visually inspected the site where the lift is to be installed and verified the concrete to be in good condition and free of cracks or other defects. I understand that installing a lift on cracked or defective concrete could cause lift failure resulting in personal injury or death.

• I understand that a level floor is required for proper installation and level lifting.

• I understand that I am responsible if my floor is of questionable slope and that I will be responsible for all charges related to pouring a new level concrete slab if required and any charges.

♦ I understand that Bendpak lifts are supplied with concrete fasteners meeting the criteria of the American National Standard "Automotive Lifts - Safety Requirements for Construction, Testing, and Validation" ANSI/ALI ALCTV-2006, and that I will be responsible for all charges related to any special regional structural and/or seismic anchoring requirements specified by any other agencies and/or codes such as the Uniform Building Code (UBC) and/or International Building Code (IBC).

• I will assume full responsibility for the concrete floor and condition thereof, now or later, where the above equipment model(s) are to be installed. Failure to follow danger, warning, and caution instructions may lead to serious personal injury or death to operator or bystander or damage to property.

• I understand that BendPak lifts are designed to be installed in indoor locations only. Failure to follow installation instructions may lead to serious personal injury or death to operator or bystander or damage to property or lift.



Failure to follow danger, warning, and caution instructions may lead to serious personal injury or death to operator or bystander or damage to property.



Please read entire manual prior to installation. Do not operate this machine until you read and understand all the dangers, warnings and cautions in this manual. For additional copies or further information, contact:

> BendPak Inc. / Ranger Products 1645 Lemonwood Dr.

> > Santa Paula, CA. 93060 1-805-933-9970 www.bendpak.com

# INSTALLER / OPERATOR PROTECTIVE EQUIPMENT

Remember, personal protective equipment helps makes installation and operation safer, however, it does not take the place of safe operating practices. Always wear durable work clothing during any installation and/ or service activity. Shop aprons or shop coats may also be worn, however loose fitting clothing should be avoided. Tight fitting leather gloves are recommended to protect technician hands when handling parts. Sturdy leather work shoes with steel toes and oil resistant soles should be used by all service personnel to help prevent injury during typical installation and operation activities.

Eye protection is essential during installation and operation activities. Safety glasses with side shields, goggles, or face shields are acceptable. Everyday eyeglasses only have impact resistant



lenses, they are not safety glasses. Back belts provide support during lifting activities and are also helpful in providing worker protection. Consideration should also be given to the use of hearing protection if service activity is performed in an enclosed area, or if noise levels are high.



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH IF NOT FOLLOWED COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OR YOURSELF AND OTHERS AND CAN CAUSE PERSONAL INJURY OR DEATH. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE THIS MACHINE.

## **INTRODUCTION**

1. Carefully remove the crating and packing materials. **CAUTION!** Be careful when cutting steel banding material as items may become loose and fall causing personal harm or injury.

2. Check the voltage, phase and proper amperage requirements for the motor shown on the motor plate. Wiring should be performed by a certified electrician only.

## **IMPORTANT SAFETY INSTRUCTIONS** READ THESE SAFETY INSTRUCTIONS ENTIRELY

IMPORTANT NOTICE

Do not attempt to install this lift if you have never been trained on basic automotive lift installation procedures. Never attempt to lift components without proper lifting tools such as forklift or cranes. Stay clear of any moving parts that can fall and cause injury.

1. **READ AND UNDERSTAND** all safety warning procedures before operating lift.

2. **KEEP HANDS AND FEET CLEAR**. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.

3. **KEEP WORK AREA CLEAN**. Cluttered work areas invite injuries.

4. Consider work area environment. Do not expose equipment to rain. **DO NOT** use in damp or wet locations. Keep area well lighted.

5. **ONLY TRAINED OPERATORS** should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.

6. **USE LIFT CORRECTLY**. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.

7. DO NOT override self-closing lift controls.

8. **REMAIN CLEAR** of lift when raising or lowering vehicle.

9. CLEAR AREA if vehicle is in danger of falling.

10. **ALWAYS ENSURE** that the safeties are engaged before any attempt is made to work on or near vehicle.

11. **DRESS PROPERLY**. Non-skid steel-toe footwear is recommended when operating lift.

## 12. GUARD AGAINST ELECTRIC

**SHOCK**. This lift must be grounded while in use to protect the operator from electric shock. Never connect the green power cord wire to a live terminal. This is for ground only.



13. DANGER! The power unit used on this lift contains

high voltage. Disconnect power at the receptacle before performing any electrical repairs. Secure plug so that it cannot be accidentally plugged in during service.

14. **WARNING! RISK OF EXPLOSION**. This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors. This machine should not be located in a recessed area or below floor level.





15. **MAINTAIN WITH CARE**. Keep lift clean for better and safer performance. Follow manual for proper lubrication and maintenance instructions. Keep control handles and/or buttons dry, clean and free from grease and oil.

16. **STAY ALERT**. Watch what you are doing. Use common sense. Be aware.

17. **CHECK FOR DAMAGED PARTS**. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.

18. **NEVER** remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.

19. Keep hair, loose clothing, fingers, and all parts of body away from moving parts

20. Use only as described in this manual. Use only manufacturer's recommended attachments

21. **ALWAYS WEAR SAFETY GLASSES.** Everyday eyeglasses only have impact resistant lenses, they are not safety glasses

#### 22. SAVE THESE INSTRUCTIONS.

- TOOLS REQUIRED
- Rotary Hammer Drill or Similar
- ♦ 3/4" Masonry Bit
- Hammer
- 4 Foot Level
- Open-End Wrench Set: SAE/Metric
- Socket And Ratchet Set: SAE/Metric
- Hex-Key / Allen Wrench Set

## Medium Crescent Wrench

- Medium Pipe Wrench
- Crow Bar
- Chalk Line
- Medium Flat Screwdriver
- ♦ Tape Measure: 25 Foot Minimum
- ♦ Needle Nose Pliers

## NOTE:

An air supply (30 PSI / 3 CFM Min.) will be required for operation of the safety-lock mechanisms.

## **IMPORTANT NOTES:**

These instructions must be followed to insure proper installation and operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied resulting from improper installation or use of this product.

## PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION

## STEP 1

(Selecting Site) Before installing your new lift, check the following

1. **LIFT LOCATION**: Always use architects plans when available. Check layout dimension against floor plan requirements making sure that adequate space if available.

2. **OVERHEAD OBSTRUCTIONS**: The area where the lift will be located should be free of overhead obstructions such as heaters, building supports, electrical lines etc.

3. **DEFECTIVE FLOOR**: Visually inspect the site where the lift is to be installed and check for cracked or defective concrete.

# 

4. **OPERATING TEMPERATURE.** Operate lift only between temperatures of 41° -104° F.

5. Lift is designed for **INDOOR INSTALLATION ONLY.** Outdoor use permitted only if covered and dry. Always follow warnings illustrated on equipment labels.



This lift must be installed on a solid level concrete floor with no more than 3-degrees of slope. Failure to do so could cause personal injury or death. A level floor is suggested for proper use and installation and level lifting. If a floor is of questionable slope, consider a survey of the site and/or the possibility of pouring a new level concrete slab.



- DO NOT install or use this lift on any asphalt surface or any surface other than concrete.
- **DO NOT** install or use this lift on expansion seams or on cracked or defective concrete.
- **DO NOT** install or use this lift on a second / elevated floor without first consulting building architect.

CONCRETE SPECIFICATIONS		
LIFT MODEL	CONCRETE REQUIREMENTS	
SP-7X SP-7XF	4" Min. Thickness / 3,000 PSI See Page 9.	



All models MUST be installed on 3000 PSI concrete only conforming to the minimum requirements shown above. New concrete must be adequately cured by at least 28 days minimum.



When removing the lift from shipping angles or pallets pay close attention as the lift can slide and can cause injury. Prior to removing the lift make sure the lift is held securely by a fork lift or some other heavy lifting device.

## **PARTS INVENTORY**

Be sure to take a complete inventory of parts prior to beginning installation.



# FLOOR PLAN / LAYOUT DIMENSIONS



MODEL	SP-7X (Rev. C)	SP-7XF (Rev C.)		
Lifting Capacity 7,000 lbs / 3,175 Kg.		7,000 lbs / 3,175 Kg.		
Lifting Height	68" / 1727 mm.	68" / 1727 mm.		
Overall Length	163-1/2" / 4153 mm.	163-1/2" / 4153 mm		
Overall Width	74-1/2" / 1892 mm.	74-1/2" / 1892 mm.		
Lift Platform	21-1/2" x 63" / 47mm. x 1600mm.	21-1/2" x 63" / 47mm. x 1600mm.		
Lowered Height	5" / 127mm.	5" / 127mm.		
Lifting Time	45 seconds	45 Seconds		
Motor (*)	208-240 VAC / 50-60 Hz. 1Ph.	208-240 VAC / 50-60 Hz. 1Ph.		
* Special Voltages Available upon Request.				
The design, material and specifications are subject to change without notice.				

## STEP THREE

(Anchoring The Lift Frames)

1. The lift can be installed with the BOLSTER BAR ( the round bar connecting the frames together ) located either at the front or rear. Typical installations place the Bolster Bar at the rear to allow for unobstructed work space underneath the engine compartment and to allow for rolling oil drains or other shop equipment. (See Fig. 3.1)



2. Before proceeding, make certain the lift is positioned with clearances around and overhead. THE POWER UNIT CAN BE PLACED ON EITHER SIDE.

## **IMPORTANT NOTE**

A level floor is suggested for proper installation. Small differences in floor slope may be compensated for by proper shimming. Any major slope changes will affect the units level lifting performance. If a floor is of questionable slope, ( more than 1" side to side or 2" within the full length of the lift ) consider pouring a new concrete slab.

3. Lift the ramp covers at the ends of each lift unit. This will give you access to the eight anchor bolt locations. (See Fig. 3.2)



4. Using the Base of the frame as a guide, drill each anchor hole in the concrete approximately 4-1/2" deep using a rotary hammer drill and 3/4" concrete drill-bit. Do not ream the hole or allow the drill to wobble. (See Fig. 3.3)



5. After drilling the anchor holes, remove the dust thoroughly from each hole using compressed air and/or wire brush. ALWAYS WEAR SAFETY GOGGLES.

6. Assemble the washers and nuts on the anchors then tap into each hole with a hammer until the washer rests against the Base. Be sure that if shimming is required, enough threads are left exposed. (See Fig. 3.4)



7. If shimming is required, insert the shims as necessary around each anchor bolts. (See Fig. 3.5



8. With the shims and anchor bolts in place, tighten to approximately 40 ft.-lbs. **DO NOT** use an impact wrench for this procedure. (See Fig. 3.6)



## **STEP FOUR**

(Power Console / Hose Routing)

1. Remove the front Panel cover on the Power Console.

2. Route the Hydraulic Hoses and the Air Line through the holes at the back of the Power Console. (See Fig. 4.1)



3. Connect the Power Unit (shortest) Hydraulic Hose to the Power Unit Fitting as shown below. It is not necessary to use Teflon tape on JIC fittings. DO NOT OVERTIGHTEN. (See Fig. 4.2)



4a. Install the two 90° Fittings and one Straight Fitting in the Flow Divider Type I, configured as shown. (See Fig. 4.3a).



4b. Install the two 90° out Fittings and one 90° in Fitting in the Flow Divider Type II configured as shown. (See Fig. 4.3b).



5. Install the Flow divider in the bottom of the Power Console.

6. Connect the Power Unit Hose to the Straight Fitting on the Flow Divider and connect both the Powerside and Offside Hydraulic Hoses to the 90° Fittings on the Flow divider as shown. (See Fig. 4.4)



7. Route the 1/4" Poly-Flow Air Tubing through the hole at the back of the Power Console and connect to the Push Button Air Safety Switch as shown below. (See Fig. 4.5)



## **STEP FIVE**

(Hose Connections)

1. Raise the Rear Ramp Covers on the lift to access the Hydraulic Hose/Cylinder connection location. (See Fig. 5.1)



2. Route the two Hydraulic Hoses through the hole at the Powerside of the Lift Frame and connect the Powerside (medium) Hose to the 90° Fitting of the Powerside Cylinder. (See Fig. 5.2). **DO NOT use Teflon tape or other sealant on JIC fittings.** DO NOT OVER-TIGHTEN.



Route the Offside Hydraulic (Long) Hose to the Offside
 Cylinder and connect it to the 90° Fitting (See Fig. 5.3)
 DO NOT use Teflon tape or other sealant on
 JIC fittings. DO NOT OVER-TIGHTEN.



4. Route the 1/4" Poly-Flow Air Tubing through the hole at

the Powerside of the Lift Frame connect it to the Tee Fitting. (See Fig. 5.4)



5. Connect Air line to each Air Safety Cylinder. (Fig. 5.5)



STEP SIX (Power Unit Hook Up)



ALL WIRING MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

**DANGER** 

DO NOT PERFORM ANY MAINTENANCE OR INSTALLATION OF ANY COMPONENTS WITHOUT FIRST ENSURING THAT ELECTRICAL POWER HAS BEEN DISCONNECTED AT THE SOURCE OR PANEL AND CANNOT BE RE-ENERGIZED UNTIL ALL MAINTENANCE AND/OR INSTALLATION PROCEDURES ARE COMPLETED.

1. Have a certified electrician run 208 - 230 volt single phase 60 HZ power supply to motor. ( If you ordered optional three phase power or 50HZ, refer to the data plate found on the motor for proper power supply. ) Be sure to size wire for a 25 amp circuit.

# **DANGER**

DO NOT run power unit with no oil. Damage to pump can occur. The power unit must be kept dry. Damage to power unit caused by water or other liquids such as detergents, acid etc., is not covered under warranty. Operate lift only between temperatures of 41 °- 104° F.

Improper electrical hook-up can damage motor and will not be covered under warranty. Motor can not run on 50HZ without a physical change in motor. Use a separate breaker for each power unit. Protect each circuit with time delay fuse or circuit breaker.

For 208-230 volt, single phase, use a 25 amp fuse.

For 208-230 volt, three phase, use a 20 amp fuse. For 380-440 volt, three phase, use a 15 amp fuse.

IMPORTANT NOTE: DO NOT USE 110 VOLT POWER SUPPLY for this power unit. Damage to motor will occur which is not covered under warranty. You must use a separate circuit breaker for each lift.



# STEP SEVEN

(Lift Start Up)

# 

During the START-UP procedure, observe all operating components and check for proper installation and adjustment. DO NOT attempt to raise vehicle until a thorough operational check has been completed.

1. Make sure the Power Unit reservoir is full with 15 quarts of AW-32 Hydraluic Oil.

2. Lubricate all friction points on the lift with a 90-WT Gear Oil.

3. Test the power unit by depressing the push-button switch. If the motor sounds like it is operating properly, raise lift and check all hose connections for leaks.

IF MOTOR GETS HOT OR SOUNDS PECULIAR, STOP IMMEDIATELY AND RE-CHECK ELECTRICAL CONNECTIONS.

4. Once the lift starts to raise, simultaneously press the Power Unit lowering button at the same time you are pressing the raise button. This will allow any air trapped in the Cylinder and lines to escape and vent into the fluid reservoir.

5. Continue raising the lift slowly until THE CYLINDER BOTTOMS OUT AND THE LIFT STOPS.

6. Press the Air Safety Release Valve on the console and lower the lift to the ground

7. Repeat this process at least three times to equalize the oil pressure in each Cylinder.



# **POST-INSTALLATION CHECK-OFF**

- Columns Properly Shimmed And Stable
- Anchor Bolts Tightened
- Pivot / Sheave Pins Properly Attached
- Carriage Stop bolts Torqued to 20 Ft. Lbs
- Electric Power Supply Confirmed
- Cables Adjusted Properly
- Safety Locks Functioning Properly
- Check For Hydraulic Leaks
- Oil Level
- Lubrication of Critical Components
- Check For Overhead Obstructions
- Lift Arms Level
- All Screws, Bolts, and Pins Secured
- Surrounding Area Clean
- Operation, Maintenance and Safety Manuals on Site.
- Perform an Operational Test With a Typical Vehicle



- NEVER EXCEED THE RATED CAPACITY of lift.
- DO NOT USE LIFT if any component is found to be defective or worn.
- NEVER OPERATE LIFT with any person or equipment below.
- ALWAYS STAND CLEAR of lift when lowering or raising.
- ALWAYS INSURE SAFETY LOCKS ARE ENGAGED before entering work area.
- NEVER LEAVE LIFT IN ELEVATED CONDITION unless all safety locks are engaged.

## STEP 8

(Operation)

## To Raise Lift:

1. Load vehicle onto the lift using Vehicle Lifting Guide to determine proper lifting points.

2. **NEVER** use lift pad assemblies without rubber slip over pads in place.

3. Set parking brake or use wheel chock to hold vehicle in position.

4. Before raising vehicle, be sure all personnel are clear of the lift and surrounding area. Pay careful attention to overhead clearances.

5. Raise the lift to the desired height by pressing the push button on the power unit.



VISUALLY CONFIRM THAT ALL PRIMARY SAFETY LOCKS ARE ENGAGED BEFORE ENTERING WORK AREA.

Suspension components us on this lift are intended to raise and lower lift only and are not meant to be load holding devices. Remain clear of elevated lift unless visual confirmation is made that all primary

safety locks are fully engaged and the lift is LOWERED onto the safety locks, Refer to installation /operation manual for proper safety lock procedures and /or further instruction.

6. After vehicle is raised to the desired height, <u>lower the</u> <u>lift onto the nearest safety lock.</u> ALWAYS INSURE ALL SAFETY LOCKS ARE ENGAGED before entering work area.





## To Lower Lift:

1. Before lowering vehicle, be sure all personnel are clear of the lift and surrounding area. Pay careful attention to overhead clearances. Insure all tools and equipment have been cleared from under the lift.

2. Raise the lift off of the safety locks by pressing the push button on the power unit. Make sure you raise the lift by at least two inches to allow adequate clearance for the locks to clear.

3. Press the push button air safety valve and HOLD.

4. Push the LOWERING HANDLE on the power unit until the lift has descended completely.

When lowering the lift PAY CAREFUL ATTENTION that all personnel and objects are kept clear. ALWAYS keep a visual line of site on the lift AT ALL TIMES. ALWAYS make sure that ALL LOCKS are disengaged. If one of the locks inadvertently locks on descent the lift and/or vehicle may disrupt causing personal injury or death,

## WEEKLY MAINTENANCE

- Lubricate all rollers with general purpose oil or WE-40.
- 2. Check all hose connections, bolts and pins to insure proper mounting.
- 3. Lubricate safety lock pivot points with general purpose oil or WE-40.

# MONTHLY MAINTENANCE

- 1. Check safety locks to insure they are in good operating condition.
- 2. Check all hoses for excessive signs of wear.
- 3. Make a visual inspection of ALL MOVING PARTS and check for excessive signs of wear.
- 4. Replace ALL FAULTY PARTS before lift is put back into operation.

# TO RAISE LIFT

- Read operating and Safety manuals before using lift.
- Always lift a vehicle according to the manufactures recommended lifting points.
- Position vehicle properly.
- Insure that the vehicle is positioned with the center of gravity midway between pads.
- **NEVER** use runway assemblies without rubber pads in place.
- Raise the vehicle by depressing button until the vehicle just lifts off the ground. Recheck to make sure the vehicle is secure and stable.
- Raise vehicle to desired height. Lower vehicle onto nearest safety,
- Always ensure safeties are engaged before any attempt is made to work on or near vehicle.

# TO LOWER THE LIFT

- First raise the lift clear to the safeties.
- Release safeties by pressing on the air safety button.
- Be sure tool trays, stands or personnel are cleared from under the vehicle.
- Lower vehicle by activating lowering handle on power unit.
- Before removing vehicle from lift; position lift arms and supports to provide an unobstructed exit.

## **REQUIRED MONTHLY MAINTENANCE**

- Check all lift components adjusting locks for proper operation.
- Check all connections, bolts and pins to insure proper mounting and torque.
- Visually inspect safeties for proper operation.
- Lubricate slide block paths with grease.
- Inspect all anchors bolts and retighten if necessary.
- Check lift frame for squareness and plumb.



- 1. If cement anchor bolts are loose or any component of the lift is found to be defective. **DO NOT USE THE LIFT!**
- 2. Never operate the lift with any person or equipment below the vehicle.
- 3. Never exceed the rated lift capacity.
- 4. Always insure the safeties are engaged before any attempt is made to work on or near the vehicle.
- 5. Never leave lift in elevated position unless the safeties are engaged.
- 6. Do not permit electric motor to get wet! Motor damage caused by dampness is not covered under warranty.

# NEVER LIFT ANY VEHICLE IN ANY MANNER WITHOUT THE VEHICLE CENTERED ON THE ENTIRE RUNWAY. THE CAPACITY OF EACH RUNWAY IS NO GREATER THAT ONE HALF (1/2) OF THE OVERALL LIFT CAPACITY.



# Safe Lift Operation

Automotive and truck lifts are critical to the operation and profitability of your business. The safe use of this and other lifts in your shop is critical in preventing employee injuries and damage to customer's vehicles. By operating lifts safely you can insure that your shop is profitable, productive and safe.

Safe operation of automotive lifts requires that only trained employees should be allowed to use the lift.

## TRAINING SHOULD INCLUDE, BUT NOT LIMITED TO:

- Proper positioning of the vehicle on the runway. (See manufacturers minimize wheel base loading requirements.)
- Use of the operating controls.
- Understanding the lift capacity.
- Proper use of jack stands or other load supporting devices.
- Proper use, understanding and visual identification of safety lock devices and their operation.
- Reviewing the safety rules.
- Proper housekeeping procedures (lift area should be free of grease, oil, tools, equipment, trash, and other debris).
- A daily inspection of the lift should be completed prior to its use. Safety devices, operating controls, lift arms and other critical parts should be inspected prior to using the lift.
- All maintenance and repairs of the lift should be completed by following the manufacturer's requirements. Lift repair parts should meet or exceed OEM specifications. Repairs should only be completed by a qualified lift technician.
- The vehicle manufacturer's recommendations should be used for spotting and lifting the vehicle.

## LIFT OPERATION SAFETY

- It is important that you know the load limit. Be careful that you do not overload the lift . If you are unsure what the load limit is, check the data plate found on one of the lift columns or contact the manufacturer.
- The center of gravity should be followed closely to what the manufacturer recommends.
- Always make sure you have proper overhead clearance. Additionally, check that attachments, (vehicle signs, campers, antennas, etc.) are not in the way.
- Be sure that prior to the vehicle being raised, the doors, trunk, and hood are closed securely.
- Prior to being raised, make sure there is no one standing closer than six feet from the lift.
- After positioning the vehicle on the lift runways, set the emergency brake, make sure the ignition is off, the doors are closed, overhead obstructions are cleared, and the transmission is in neutral.
- Double check that the automatic chock devices are in position and then when the lift is raised, observe the chocks.
- Put pads or adapters in the right position under the contact points that have been recommended.
- The lift should be raised just until the vehicle's wheels are about one foot off the ground. If contact with the vehicle is uneven or it appears that the vehicle is not sitting secure, carefully lower the lift and readjust.
- Always consider potential problems that might cause a vehicle to slip, i.e., heavy cargo, undercoating, etc.
- Pay attention when walking under a vehicle that is up on the hydraulic lift.



- **DO NOT** leave the controls while the lift is still in motion.
- **DO NOT** stand directly in front of the vehicle or in the bay when vehicle is being loaded or driven into position.
- **DO NOT** Go near vehicle or attempt to work on the vehicle when being raised or lowered.
- REMAIN CLEAR of lift when raising or lowering vehicle.
- DO NOT rock the vehicle while on the lift or remove any heavy component from vehicle that may cause excessive weight shift.
- DO NOT lower the vehicle until people, materials, and tools are clear.
- ALWAYS INSURE that the safeties are engaged and lowered on to the safety ladders before any attempt is made to work on or near vehicle.
- Some vehicle maintenance and repair activities may cause the vehicle to shift. Follow the manufacturer's guidelines when performing these operations. The use of jack stands or alternate lift points may be required when completing some repairs.
- READ AND UNDERSTAND all safety warning procedures before operating lift.
- KEEP HANDS AND FEET CLEAR. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.
- ONLY TRAINED OPERATORS should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.
- USE LIFT CORRECTLY. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.
- DO NOT override self-closing lift controls.
- CLEAR AREA if vehicle is on danger of falling.
- STAY ALERT. Watch what you are doing. Use common sense. Be aware.
- CHECK FOR DAMAGED PARTS. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.
- NEVER remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.
- When the lift is being lowered, make sure everyone is standing at least six feet away.
- Be sure there are no jacks, tools, equipment, left under the lift before lowering.
- Always lower the vehicle down slowly and smoothly.

# LIFT WILL NOT RAISE

## POSSIBLE CAUSE

- 1. Air in oil, (1,2,8,13)
- 2. Cylinder binding, (9)
- 3. Cylinder leaks internally, (9)
- 4. Motor run backward under pressure, (11)
- 5. Lowering valve leaks, (3,4,6,10,11)
- 6. Motor runs backwards, (7,14,11)
- 7. Pump damaged, (10,11)
- 8. Pump won't prime, (1,8,13,14,3,12,10,11)
- 9. Relief valve leaks, (10,11)
- 10. Voltage to motor incorrect, (7,14,11)

REI	ИΕ	DΥ

## INSTRUCTION

1.	Check for proper oil level	The oil level should be up to the bleed screw in the reservoir with the lift all the way down.
2.	Bleed cylinders.	See Installation Manual.
3.	Flush- Release valve to get rid of	. Hold release handle down and start unit allowing it to run for 15 seconds.
4.	Dirty oil	. Replace oil with clean AW-32 Hydraulic Oil.
5.	Tighten all fasteners	. Tighten fasteners to recommended torques.
6.	Check for free movement of release	. If handle does not move freely, replace bracket or handle assembly.
7.	Check motor is wired correctly	Compare wiring of motor to electrical diagram on drawing.
8.	Oil seal damaged or cocked	.Replace oil seal around pump shaft.
9.	See Installation Manual	. Consult Lift Manufacturer.
10.	Replace with new part	. Replace with new part.
11.	Return unit for repair	. Return unit for repair.
12.	Check pump-mounting bolts	Bolts should be 15 to 18 ft. lbs.
13.	Inlet screen clogged	. Clean inlet screen or replace.
14.	Check wall outlet voltages and wiring	.Make sure unit and wall outlet are wired properly.

# MOTOR WILL NOT RUN

## POSSIBLE CAUSE

- 1. Fuse blown, (5,2,1,3,4)
- 2. Limit switch burned out, (1,2,3,4)
- 3. Microswitch burned out, (1,2,3,4)
- 4. Motor burned out, (1,2,3,4,6)
- 5. Voltage to motor incorrect, (2,1,8)

REI	MEDY	INSTRUCTION
1.	Check for correct voltage	.Compare supply voltage with voltage on motor name tag. Check that the wire is sized correctly. N.E.C. table 310-12 requires AWG 10 for 25 Amps.
2.	Check motor is wired correctly	.Compare wiring of motor to electrical diagram on drawing.
3.	Don't use extension cords	According to N.E.C. : " The size of the conductors should be such that the voltage drop would not exceed 3% to the farthest outlet for power" Do not run motor at 115 VAC – damage to the motor will occur.
4.	Replace with new part	.Replace with new part.
5.	Reset circuit breaker/fuse	.Reset circuit breaker/fuse.
6.	Return unit for repair	Return unit for repair.
7.	See Installation Manual	.See Installation Manual.
8.	Check wall outlet voltage and wiring	Make sure unit and wall outlet is wired properly. Motor must run at 208/230 VAC.

## WILL NOT RAISE LOADED LIFT

## POSSIBLE CAUSE

- 1. Air in oil, (1,2,3,4)
- 2. Cylinder binding, (5)
- 3. Cylinder leaks internally, (5)
- 4. Lift overloaded, (6,5)
- 5. Lowering valve leaks, (7,8,1,5,9)
- 6. Motor runs backwards, (10,12,9)
- 7. Pump damaged, (5,9)
- 8. Pump won't prime, (1,2,3,4,5,11,9)
- 9. Relief valve leaks, (8,5,9)
- 10. Voltage to motor incorrect, (10,12,5)

## REMEDY INSTRUCTION reservoir [with the lift all the way down. Check/Tighten inlet tubes ..... Replace inlet hose assembly. 2. Oil seal damaged or cocked ..... Replace oil seal and install. 3. See Installation Manual. 4. 5. Check vehicle weight ...... Compare weight of vehicle to weight limit of the lift. 6. Flush release valve ..... Hold release handle down and start unit allowing it to 7. run for 15 seconds. 8. Return unit for repair ...... Return unit for repair. 9. power unit drawing. 11. Inlet screen clogged ...... Clean inlet screen or replace.

# LIFT WILL NOT STAY UP

## POSSIBLE CAUSE

- 1. Air in oil, (1,2,3)
- 2. Check valve leaks, (6)
- 3. Cylinders leak internally, (7)
- 4. Lowering valve leaks, (4,5,1,7,6)
- 5. Leaking fittings, (8)

<b>REMEDY</b> 1. Check oil level	<b>INSTRUCTION</b> The oil level should be up to the bleed screw in the reservoir with the lift all the way down.
2. Oil seal damaged and cocked	.Replace oil seal around pump shaft.
3. Bleed cylinder	.Refer to Installation Manual.
4. Flush release valve	. Hold release handle down and start unit allowing it to run for 15 seconds.
5. Replace with new valve	.Replace with new valve.
6. Return unit for repair	. Return unit for repair.
7. See Installation Manual	. Consult Lift Manufacturer.
8. Check complete hydraulic system for leaks	.Tighten all hydraulics fittings and inspects all hoses.

# LIFT LOWERS SLOWLY OR NOT AT ALL

**INSTRUCTION** 

## POSSIBLE CAUSE

- 1. Cylinders binding, (1)
- 2. Release valve clogged, (5,4,2,3)
- 3. Pressure fitting too long, (6)

## REMEDY

1.	See Installation Manual	Consult Lift Manufacturer.
2.	Replace with new part	Replace with new part.
3.	Return for repair	Return for repair.
4.	Check oil	Use clean AW-32 Hydraulic Oil. If oil is contaminated, replace and clean entire system.
5.	Clean release valve	. Wash release valve in solvent and blow out with air.
6.	Replace fitting with short thread lead	. Replace fitting with short thread lead. If a vehicle has been loaded on the lift and lift becomes inoperable while in the raised position.

#### INSTALLATION FORM

Sustomer Name: Date of Installation:				
Company Name:				
Street Address:				
City:	State:		Zip:	
Phone:		Fax:		
	Pre-In:	stall Agreement		
I, (the undersigned) acting as the owner of the business listed above assume responsibility for any permits required, either state or county mandated, related to the installation and/or operation of this equipment. I assume responsibility for the concrete floor and condition thereof, now or later, where the above equipment model(s) are installed. I will assume all liability for losses, damages (including loss of use), expenses, demands, claims, and judgments in connection with or arising out of any personal injury or alleged damage to property, sustained or alleged to have been sustained in connection with, or to have arisen out of the condition and/or drilling of the concrete near or adjacent to the equipment model(s) listed above. If my employee(s) offer assistance of any kind during installation of the above equipment model(s) I hold the manufacturer and installation company harmless of all liability for losses, damages, expenses, claims, and judgments in connection with or arising out of any personal injury or alleged damage to property, sustained or alleged to have been sustained in connection with or arising out of any personal assistance of any kind during installation of the above equipment model(s) I hold the manufacturer and installation company harmless of all liability for losses, damages, expenses, claims, and judgments in connection with or arising out of any personal injury or alleged damage to property, sustained or alleged to have been sustained in connection with the installation of the above equipment model(s).				
I understand that the lifts above are supplied with concrete fasteners meeting the criteria of the American National Standard "Automotive Lifts - Safety Requirements for Construction, Testing, and Validation" ANSI/ALI ALCTV-1998, and that I will be responsible for all charges related to any special regional structural and/or seismic anchoring requirements specified by any other agencies and/or codes such as the Uniform Building Code (UBC) and/or International Building Code (IBC).				
Customer Signature:	Print	Name:	Date:	
	Post-Inst	allation Check-Off		
Base and Columns Properly Shimme	ed And Stable	Lubrication of Critica	Components	
Anchor Bolts Tightened		Lift Adapters		
Runways Properly Attached and Sec	ured	Check For Overhead	Obstructions	
Electric Power Supply Confirmed		Runways Level		
Cables / Chains Adjusted Properly		All Screws, Bolts, and	d Pins Secured	
Safety Locks Functioning Properly		Surrounding Area an	d Lift Clean In Appearance	
Check For Hydraulic Leaks		Proper Operation, Ma	aintenance and Safety Explained	
Oil Level		Operation and Safety	/ Manual(s) Left at Site	
I, (the undersigned) confirm that the above installation procedure(s) were completed. I understand that I will be responsible for maintaining this equipment as outlined in the accompanied <i>Installation and Operation Manual</i> and <i>ANSI/ALI ALOIM Safety Requirements for Operation, Inspection and Maintenance</i> . I understand that personal injury and/or damage to property can occur if the above equipment model(s) are not maintained or used improperly and take full responsibility for training my employees on proper use and maintenance of this equipment. I hold the manufacturer and installation company harmless of all liability for losses, damages (including loss of use), expenses, demands, claims, and judgments in connection with or related to improper use, improper training, or lack of required maintenance. I understand that the warranty does not cover replacement of parts worn or damaged due to normal use or lack of required maintenance				
Customer Signature:	Print Name:		Date:	
Installer Signature: Print Name: Date:				
Installer Company Name:				
Street Address:				
City:		State:	Zip:	
Phone:	Phone ( Other ):			



1     550022     SP-7 SERIES BASE WELDMENT RICHT     1     A       5     5500227     SP-7 SERIES BASE WELDMENT RICHT     1     A       5     5560027     SP-7 SERIES BASE WELDMENT LEFT     1     A       5     5560525     SP-7 X CP RAM JOINT TOP RIL MING     4     A       5     5561614     SP-7 X CP RAM JOINT TOP BLOCK     4     A       5     5561614     SP-7 X CP RAM JOINT TOP BLOCK     4     A       5     556173     SP-7 X CP UNDER CLEVIS PIN     2     A       5     5560703     SP-7 X CPUNDER CLEVIS PIN     2     A       5     550713     SP-7 X CLUNDER QUIDE WILL     1     D       5     550713     SP-7 X CLUNDER QUIDE WILL     1     D       5     550713     SP-7 X CLUNDER QUIDE WILL     2     A       5     5502180     SP-7 X CLUNDER QUIDE WILL     2     A       5     5502130     SP-7 X CLUNDER QUIDE WILL     2     A       5     550221     SP-7 X CLUNDER QUIDE WILL     2     A       5     550221     SP-7 X CLUNDER QUIDE WILL     2     A       5     550221     SP-7 X CLUNDER QUIDE WILL     2     A       5     550222     SP-7 X CLUNDER QUIDE WILL     2	Q	PART NUMBER	DESCRIPTION	ğ	REV
P         560027         SP.7 SERIES BASE WELDMENT LEFT         1         A           2         556355         SP.7X BOTTOM ARM JOINT BUSHNG         4         A           2         556355         SP.7X COLMDER TCLIR ARM JOINT BUSHNG         4         A           2         556355         SP.7X COLMDER TCLINDER TCLING         4         A           5         556354         SP.7X COLMDER TCLINDER TC		5600928	SP-7 SERIES BASE WELDMENT RIGHT	-	۷
8         556355         SP.7X BOTTOM ARM JOINI BUSHING         4         A           7         551355         SP.7X OUTER ARM ASSEMBLY         1         G           5         5536194         SP.7X OUTER ARM ASSEMBLY         1         G           5         5736194         SP.7X OUTER ARM ASSEMBLY         1         D           5         5736194         SP.7X CUINDER CLEVIS PIN         2         A           5         5540006         SP.7X CUINDER CLEVIS PIN         2         A           5         5540015         SP.7X SIDE BLOCK TO FIN         2         B           5         5502180         SP.7X SIDE BLOCK TO FIN         2         A           5         5502180         SP.7X CUINDER ASSEMBLY         1         D           5         5502180         SP.7X SIDE BLOCK TO FIN         2         A           5         5502180         SP.7X CUINDER ASSEMBLY         2         A           5         5502180         SP.7X CUINDER ASSEMBLY         2         A           5         550221         SP.7X CUINDER ASSEMBLY         1         B           5         550221         SP.7X CUINDER ASSEMBLY         2         A           5         550221		5600927	SP-7 SERIES BASE WELDMENT LEFT	-	۲
#         5215266         SP-7X CUIFR ARM ASSEMBLY         1         G           5563354         SP-7X CPL ARM ASSEMBLY         1         D           5563354         SP-7X CPL ARM ASSEMBLY         1         D           5563354         SP-7X CPL ARM ASSEMBLY         1         D           554006         SP-7X CPL ARM ASSEMBLY         1         D           554005         SP-7X CPL ARM ASSEMBLY         1         D           554006         SP-7X CPL ARM ASSEMBLY         1         D           5554015         SP-7X CPL ARM ASSEMBLY         1         D           5116155         SP-7X CPL ARM ASSEMBLY         1         D           5505711         SP-7X RAMP COVER ASSEMBLY ASSEMBLY         1         D           5505713         SP-7X RAMP ROLPOR CLEVIS PIN         2         A           5505713         SP-7X RAMP COVER ASSEMBLY ASSEMBLY         2         A           5505015         SP-7X RAMP COVER ASSEMBLY ASSEMBLY         2         A           5505015         SP-7X RAMP COVER ASSEMBLY ASSEMBLY         2         A           5505015         SP-7X RAMP COVER ASSEMBLY CYLINDER CLEVIS PIN         2         A           5515261         SP-7X RAMP COVER ASSEMBLY CYLINDER CLEVIS PIN         2	_	5565355	SP-7X BOTTOM ARM JOINT BUSHING	4	۲
5565354         5P.7X TOP ARM JOINT BUSHING         4         A           5736194         SP.7X TOP ARM JOINT TOP BLOCK         4         A           5736194         SP.7X ARM JOINT TOP BLOCK         4         A           554006         SP.7X RGHT HAND INNER ARM ASSEMBLY         1         D           5510255         SP.7X KIGHT HAND INNER ARM ASSEMBLY         1         D           5710215         SP.7X MAIN SCISSOR PIVOT PIN         2         B           5750023         SP.7X MAIN SCISSOR PIVOT PIN         2         B           5750024         SP.7X CVINDER GUIDE WILDMENT         2         A           5500215         SP.7X CVINDER GUIDE WILDMENT         2         A           5500225         SP.7X CVINDER GUIDE WILDMENT         2         A           550023         SP.7X RAMP WELDMENT         2         A           5500245         SP.7X RAMP WELDMENT         2         A           550025         SP.7X RAMP WELDMENT         2         A           5500265         SP.7X RAMP WELDMENT         2         A           5500265         SP.7X RAMP WELDMENT         2         A           5500266         SP.7X RAMP WELDMENT         2         A           5500265         <		5215256	SP-7X OUTER ARM ASSEMBLY	-	υ
5736/94         SP-XX ARM JOINT TOP BLOCK         4         A           5746614         SP-XX CYLINDER CLEVIS PIN         2         A           571605         SP-XX CYLINDER CLEVIS PIN         2         A           5716155         SP-XX RIGHT HAND INNER ARM ASSEMBLY         1         D           5716155         SP-XX LEFT HAND INNER ARM ASSEMBLY         1         D           5716155         SP-XX LEFT HAND INNER ARM ASSEMBLY         1         D           5516155         SP-XX SILDE BLOCK TOP N         2         B           5502180         CYLINDER GUDE WELDMENT         4         A           5502150         SP-XX CYLINDER GUDE WELDMENT         2         B           5502160         SP-XX CYLINDER GUDE WELDMENT         2         A           5502161         SP-XX CYLINDER GUDE SIDE VICIPIN         2         A           5502163         SP-XX RAMP VACHOR PIN         2         A           5502163         SP-XX RAMP COVER ASSEMBLY SIDE         2         A           5502260         SP-XX RAMP PACHOR PIN         2         A           5502163         SP-XX RAMP PACHOR PIN         2         A           5502260         SP-XX RAMP COVER ASSEMBLY SIDE         2         A		5565354	SP-7X TOP ARM JOINT BUSHING	4	۲
7         5/34614         SP-7X CYUNDER CLEVIS PIN         2         A           5         5/34006         SP-7X CYUNDER CLEVIS PIN         2         A           5         5/3105         SP-7X UEFT HAND INNER ARM ASSEMBLY         1         D           5         5/3105         SP-7X SLIDE BLOCK TOP         8         -           5         5/3105         SP-7X UEFT HAND INNER ARM ASSEMBLY         1         D           5         5/3105         SP-7X NAIN SCISSOR PIVOT PIN         2         8           5         5/30023         SP-7X CYUNDER GUIDE WELDMENT         4         A           5         5/30032         SP-7X CYUNDER GUIDE WELDMENT         4         A           5         5/30032         SP-7X CYUNDER GUIDE WELDMENT         2         A           5         5/30032         SP-7X CYUNDER GUIDE WELDMENT         2         A           5         5/30032         SP-7X RAMP PACIDMENT         2         A         B           5         5/30032         SP-7X CYUNDER GUIDE WELDMENT         2         A         B           5         5/30032         SP-7X RAMP PACIDMENT         2         A         B         C           5         5/30026         SP-7X RAMP COVE		5736194	SP-7X ARM JOINT TOP BLOCK	4	۷
8         5540006         SNAP RING TRUARC 5103-100         8         -           7         5215254         SP-7X RIGHT HAND INNER ARM ASSEMBLY         1         D           7         521525         SP-7X RICH THAND INNER ARM ASSEMBLY         1         D           7         51555         SP-7X RILDE BLOCK 10P         2         B           7         5505711         SP-7X ARMN SCISSOR PIVOT PIN         2         B           7         550031         SP-7X CYLINDER GUIDE PIVOT PIN         2         B           5         550032         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5         550035         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5         550036         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5         550035         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5         550036         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5         5500305         SR-7X CYLINDER GUIDE PIVOT PIN         2         A           5         5500305         SR ARP COVER ASSEMBLY         1         B         A           5         530305         SR ARP COVER ASSEMBLY         1		5746614	SP-7X CYLINDER CLEVIS PIN	2	۲
>         5215254         SP-XX RIGHT HAND INNER ARM ASSEMBLY         1         D           0         5215255         SP-XX RIGHT HAND INNER ARM ASSEMBLY         1         D           2         550711         SP-XX MAIN SCISSOR PIVOT PIN         2         B           2         5502180         CYLINDER GUIDE WELDMENT         2         B           3         5502180         CYLINDER GUIDE WELDMENT         2         B           5         550205         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         550205         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         550205         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         550305         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         574610         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         574610         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         553021         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         553026         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         55353015         SP-7X RAMP COVER HIDE RUIS MORE <td>_</td> <td>5540006</td> <td>SNAP RING TRUARC 5103-100</td> <td>8</td> <td>'</td>	_	5540006	SNAP RING TRUARC 5103-100	8	'
0         521525         SP-7X LEFT HAND INNER ARM ASSEMBLY         1         D           1         5716155         SP-7X LEFT HAND INNER ARM ASSEMBLY         1         D           3         5502180         SP-7X SLIDE BLOCK 100P         4         A           3         5502180         SP-7X CYLINDER GUIDE WELDMENT         2         B           4         5502050         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         5503053         SP-7X CYLINDER GUIDE WELDMENT         2         A           5         5503053         SP-7X CYLINDER GUIDE SPACER         2         A           5         5503053         SP-7X CAMAP WALPARC 107 PIN         2         A           5         5503053         SP-7X RAMP WALPARC 107 PIN         2         A           5         5503054         SP-7X RAMP WALPARC 2103-118         8         -           5         5503056         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         53030516         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         5530166         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5         5303019         SFLAR RAMP COVER ASSEMBLY CYLIN		5215254	SP-7X RIGHT HAND INNER ARM ASSEMBLY	-	۵
1         5716155         SP-7X SLIDE BLOCK TOP         4         A           2         5505711         SP-7X CYLINDER ASEMMENT         2         B           3         5502247         SP-7X CYLINDER GUIDE NELDMENT         2         B           5         550505         SP-7X CYLINDER GUIDE NELDMENT         2         A           5         550505         SP-7X CYLINDER GUIDE NELDMENT         2         A           5         550505         SP-7X CYLINDER GUIDE NELDMENT         2         A           5         5500505         SP-7X CYLINDER GUIDE NELDMENT         2         A           5         5500505         SP-7X RAMP WELDMENT         2         A           5         5500265         SP-7X RAMP VELDMENT         2         A           5         550016         SP-7X RAMP VELDMENT         2         A           5         550016         SP-7X RAMP COVER ASSEMBLY CATINDER SIDE         2         A           5         550016         SP-7X RAMP COVER ASSEMBLY CATINDER SIDE         2         A           5         550016         SP-7X RAMP COVER ASSEMBLY CATINDER SIDE         2         A           5         550016         SP-7X RAMP COVER ASSEMBLY CATINDER SIDE         2         A	0	5215255	SP-7X LEFT HAND INNER ARM ASSEMBLY	-	
2         5505711         SP-7X MAIN SCISSOR PIVOT PIN         2         B           3         5502180         CrUINDER ASSEMBLY Ø3 x 20         2         B           5         550223         SP-7X CYLINDER GUIDE SPACEN         2         A           5         5502023         SP-7X CYLINDER GUIDE SPACEN         2         A           7         5503023         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           7         5503023         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           7         5503025         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           5503025         SP-7X RAMP OF LUMART         2         A           5512640         SP-7X RAMP OF COVER ASSEMBLY Ø3 x 20         2         A           5512240         SP-7X RAMP COVER ASSEMBLY Ø3 x 20         2         A           5512240         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5512240         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5512240         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5512240         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5531226         SP-7X RAMP COVER MISENCE	_	5716155	SP-7X SLIDE BLOCK TOP	4	۷
3         5502180         CYUNDER ASSEMBLY Ø3 x 200         2         B           4         5500247         SP-7X CYUNDER GUIDE WELDMENT         4         B           5         550022         SP-7X CYUNDER GUIDE WELDMENT         2         A           7         5746610         SP-7X CYUNDER GUIDE WELDMENT         2         A           7         5746610         SP-7X CYUNDER GUIDE WELDMENT         2         A           8         5530055         SP-7X CYUNDER GUIDE WELDMENT         2         A           9         5746610         SP-7X RAMP WELDMENT         2         A           10         5716260         SP-7X RAMP ANCHOR PIN         2         A           2         5532561         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           3         5532161         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           2         5530196         TURARC Ø12m 5103-50         8         -           5         5550166         TURARC Ø12m 5102-50         8         -         -           3         5550145         SAFAMP COVER ASSEMBLY SAFETY SIDE         2         A         -           5         5550145         TUBE NOTORE         SAFAMP COVER AS	2	5505711	SP-7X MAIN SCISSOR PIVOT PIN	2	æ
4         5600247         SP-7X CYLINDER GUIDE WELDMENT         4         B           5         553005         SP-7X CYLINDER GUIDE FIVOT PIN         2         A           5         553005         SP-7X CYLINDER GUIDE FIVOT PIN         2         A           5         5540015         SP-7X CYLINDER GUIDE FIVOT PIN         2         A           9         5540015         C RING Ø30mm OD TRUARC 5103-118         8         -           9         5540015         C RING Ø30mm OD TRUARC 5103-118         8         -           1         574661         SP-7X RAMP WACHOR PIN         2         A           2         57316         SP-7X RAMP ANCHOR RIN         2         A           2         5530716         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           2         5303716         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           3         554010         FIG RE 1/4 1UB FINS         8         A           5550166         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5550410         FIG RE 1/4 1UB FINS         18         -         -           5550410         FIG RE 1/4 1UB FINS         18         -         -         - <td>3</td> <td>5502180</td> <td>CYLINDER ASSEMBLY Ø3 x 20</td> <td>2</td> <td>8</td>	3	5502180	CYLINDER ASSEMBLY Ø3 x 20	2	8
5         5753005         SP-7X CYLINDER GUIDE SPACER         2         A           6         5530323         SP-7X CYLINDER GUIDE PINOT PIN         2         A           7         5540615         C RING Ø-30mm OLD IRUARC 5103-118         8         -           9         5540615         C RING Ø-30mm OLD IRUARC 5103-118         8         -           0         5746610         SP-7X RAMP WELDMENT         2         A           1         5746610         SP-7X RAMP VELDMENT         2         A           2         5746610         SP-7X RAMP VELDMENT         2         A           2         57316         SP-7X RAMP COVER ASSEMBLY SATENDER IPA         2         A           2         553347         ARCOVER ASSEMBLY SATENDER IPA         8         -           3         553346         AIR CYLINDER, MJ2 FLAT WISE RIDE         8         -           5         553040         FIG GEB 1/4-1/4-1/4-108 INS         2         1         -           2         555043         AIR CYLINDER, MJ2 FLAT UBE INS         8         -         -         -           3         555343         AIR CYLINDER, MJ2 FLAT UBE INS         8         -         -         -         -         -         - </td <td>4</td> <td>5600247</td> <td>SP-7X CYLINDER GUIDE WELDMENT</td> <td>4</td> <td>8</td>	4	5600247	SP-7X CYLINDER GUIDE WELDMENT	4	8
6         5505022         SP-7X CYLINDER GUIDE PIVOT PIN         2         A           7         5546613         SP-7X CYLINDER ULF PIN         2         A           9         5502055         C RING 300mm OLDER ULF PIN         2         A           0         5746613         SP-7X RAMP WELDMENT         2         A           0         5746613         C RING 300mm OLDER ULF PIN         2         A           1         5746610         SP-7X RAMP WELDMENT         2         A           5715260         SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           5515261         SP-7X RAMP COVER HINGLE PINIC         2         A           5515261         SP-7X RAMP COVER HINGLE PINIC         3         A           555161         SP-7X RAMP COVER HINGLE PINIC         3         A           555316         FIG GEB -04 JIC-06 NPT         2         A           55530129         FIG GEB -04 JIC-06 NPT         2         A           55530129	5	5755005	SP-7X CYLINDER GUIDE SPACER	~	۲
7         5746613         SP-7X CYUNDER LIFT PIN         2         A           8         5540015         C RING Ø30mm ÖD IRUARC 5103-118         8         -           0         5546015         SP-7X RAMP ANCHOR PIN         4         A           0         5746610         SP-7X RAMP ANCHOR PIN         4         A           1         5215260         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           2         5521261         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           3         5520166         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           5         5550166         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           5         5550166         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           5         5550166         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           5         5550166         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           6         5550439         FIG ELB I/4 I/4-1/4 TUBE INST         2         2         2           7         5550166         FIG ELB I/4 I/4-1/4 TUBE INST         2         4         2         3           9	é	5505022	SP-7X CYLINDER GUIDE PIVOT PIN	2	۷
8         5540015         C RING Ø30mm OD TRUARC 5103-118         8         -           9         5600265         SP-XK RAMP WELDMENT         2         D         2         A           1         5213260         SP-XK RAMP WELDMENT         2         A         A         A           2         5213261         SP-XK RAMP VELDMENT         2         A         A         A           2         5213261         SP-XK RAMP VELDMENT         2         A         A         A           2         5213261         SP-XK RAMP COVER ASSEMBLY CYLINDER SIDE         2         A <td>7</td> <td>5746613</td> <td>SP-7X CYLINDER LIFT PIN</td> <td>2</td> <td>۷</td>	7	5746613	SP-7X CYLINDER LIFT PIN	2	۷
9         5600265         SP-7X RAMP WELDMENT         2         D           0         5746610         SP-7X RAMP ANCHOR PINDER SIDE         2         A           2         5215261         SP-7X RAMP COVER ASSEMBLY SATENDER SIDE         2         A           2         5215261         SP-7X RAMP COVER ASSEMBLY SATENDER SIDE         2         A           3         5505716         SP-7X RAMP COVER HINGE PIN BIR SIDE         2         A           3         5505716         SP-7X RAMP COVER HINGE PIN BIR SIDE         2         A           4         5550463         SP-7X RAMP COVER HINGE PIN BIR SIDE         2         -           5         5550416         RICLARC Ø12mm 5103-50         8         -         -           7         555043         AIR CYLINDER, 07.14.14.14.14.12.10.12         2         -         -           7         5550106         FIG ELB 1/4.1/4.10E INS 1/8 NPT         2         1         -         -           9         5550105         FIG GRS M05x 1.12.10.10.11         2         A         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	8	5540015	C RING Ø30mm OD TRUARC 5103-118	8	'
0         5746610         SP-XX RAMP ANCHOR PIN         4         A           1         5213260         SP-XX RAMP COVER ASSEMBLY CYLINDER SIDE         2         A           3         5513261         SP-XX RAMP COVER HINLS FIT SIDE         2         A           3         5513261         SP-XX RAMP COVER HINLS FIT SIDE         2         A           3         55316         SP-XX RAMP COVER HINLS FIT SIDE         2         A           5         553016         TRUARC Ø12mm 5103-50         8         -           5         555049         TRUARC Ø12mm 5103-50         8         -           5         555016         TRUARC Ø12mm 5103-50         8         -           5         555016         TRUARC Ø12mm 5103-50         8         -           5         555016         FIG ELB 1/4 1/4E1 NS 10         2         -         -           5         5550129         FIG GEB -04 JIC-06 NPT         2         4         -         -           5         5550129         FIG GEB -04 JIC-06 NPT         2         4         -         -           5         5550129         FIG GEB M0X 1.5X12         1.55 x 55         4         -         -           5         55301	9	5600265	SP-7X RAMP WELDMENT	2	
1     5215260     SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE     2     A       2     5501561     SP-7X RAMP COVER ASSEMBLY SAFETY SIDE     2     A       3     5502196     SP-7X RAMP COVER ASSEMBLY SAFETY SIDE     2     A       4     5540116     SP-7X RAMP COVER ASSEMBLY SAFETY SIDE     2     A       5     55502196     SP-7X RAMP COVER ASSEMBLY SAFETY SIDE     2     A       5     5550166     SP-7X RAMP COVER ASSEMBLY SAFETY SIDE     2     -       6     5550196     RTC VILINDER, Ø/3 S0,5'' SIROKE     2     -       7     5550106     FIG EB 1/4-1/4-1/8 EINS N.O.5'' SIROKE     2     -       8     5550106     FIG EB 0-4 JIC-06 NPT     2     2     -       9     5550105     FIG EB 0-4 JIC-06 NPT     2     2     -       2     5550105     FIG EB 0-4 JIC-06 NPT     2     2     -       2     5550105     FIG EB 0-4 JIC-06 NPT     2     2     -       2     5550105     SR OR 0-2 1/3 5 X 53     8     -     -       2     5550105     SSS MIOXI 56/1 1/4 - 1/4 TUBE INN     2     -     -       2     5550105     FIG EB 0-4 JIC-06 NPT     2     -     -     -       2     5550105	0	5746610	SP-7X RAMP ANCHOR PIN	4	۷
2         5215261         SP-7X RAMP COVER ASSEMBLY SAFETY SIDE         2         A           3         5505716         SP-7X RAMP COVER HINGE PIN         8         A           5         5505716         SP-7X RAMP COVER HINGE PIN         8         A           5         5545347         WASHER. M12 FLAI WASHER         8         -           6         5550410         FIG ELB 1/4 TUBE INS 116 NPT         2         -           7         5550410         FIG ELB 1/4 TUBE INS 116 NPT         2         -           7         5550106         FIG ELB 1/4 TUBE INS 12         2         -           8         5550105         FIG GEB 1/4 1/4 TUBE INS 12         2         -           9         5550105         FIG GER MAY 28         2         A         -           1         5550105         FIG GRS M6x1         2         A         -         -           2         5330129         FIG GRS M6x1         5         5         A         -         -           3         5/55145         TUBE. SA1140001         S         A         -         -         -         -         -         -         A         -         -         A         -         -         -	_	5215260	SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE	2	۷
3     5505716     SP-7X RAMP COVER HINGE PIN     8     A       4     5540116     RUARC Ø12mm 5103-50     8     -       5     5550136     MR CYUINDER, Ø.75 x 0.5" STROKE     2     -       7     5550410     FIG EB 1/4 TUBE INS 1/8 NPT     2     -       8     5550430     FIG EB 04 1/0.6 NPT     2     -       9     5550430     FIG EB 04 1/0.6 NPT     2     -       0     5530129     SHC5 M041     6     -       2     5530129     SHC5 M041     6     -       2     5530129     SHC5 M041     6     -       3     5755145     TUBE, Ø0 x Ø38 x 140mm     2     A       5     553016     ETG GRS M641     6     -       5     555145     TUBE, Ø0 x Ø38 x 140mm     2     A       5     555145     TUBE, Ø1 x Ø338 x 140mm     2     A       5     555016     ETG GRS M641     5     A     -       5     555014     TUBE, Ø1 x Ø38 x 140mm     2     A       5     555145     TUBE, Ø1 x Ø1 x Ø1 x Ø1     6     -       6     555016     ETG GRS M641     5     A       7     5     5     5     A	~	5215261	SP-7X RAMP COVER ASSEMBLY SAFETY SIDE	~	۲
4         5540116         TRUARC Ø12mm 5103-50         8         -           5         555347         WASHER         M12 FLAT WASHER         8         -           5         555040         AIR CYUNDE, M12 FLAT WASHER         8         -           7         555040         FIG ELB 1/4 10BE INS 1/8 NPT         2         -           9         5550106         FIG ELB 04 10C-06 NPT         2         -         -           9         5550105         FIG GRS M6x1         2         -		5505716	SP-7X RAMP COVER HINGE PIN	00	<
5         5545347         WASHER, MI2 FLAT WASHER         8         -           6         5550196         FIG TE I/4-1/4 TUBE INS 1/8 NFD*         2         -           7         555049         FIG TE I/4-1/4 TUBE INS 1/8 NFD*         2         -           8         555049         FIG TE I/4-1/4 TUBE INS 1/8 NFD*         2         -           9         5550106         FIG EB -04 JIC-06 NFT         2         -         -           9         5550105         FIG GEB -04 JIC-06 NFT         2         -         -         -           1         5550129         FIG GEB MI2 x1.75 x 55         5         5         -	4	5540116	TRUARC Ø12mm 5103-50	8	•
6         5500196         Alk CYLINDEK, Ø./5 x 0.5° SIROKE         2         -           7         5550410         FIG EB 1/4 1UBE NS 1/8 NPT         2         -           8         5550166         FIG EB 1/4-1/4 INB NPT         2         -           9         5550106         FIG EB 1/4-1/4 INB NS         2         -           0         5550106         FIG EB -04 JIC-06 NPT         2         -           1         5550025         SHC5 M12 x 1.75 x 55         8         -         -           2         5530026         FIG GE8 A01 X x038 x 140mm         2         A         -           2         5755145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         -           2         5755145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         -           2         5755145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         -           5755145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         -         -           0         5755145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         -         -           0         5755145         TUBE, Ø40 x Ø38 x 140	2	5545347	WASHER, M12 FLAT WASHER	8	'
7         5550410         FIG ELB 1/4 TUBE INS 1/8 NPT         2         -           8         5550129         FIG ELB 1/4 1/0E INS         1         -         2         -           0         5550129         FIG ELB 1/4 1/0E INS         1         -         2         2         -           1         5550025         FIG GRS Méx1         6 A JIC-0.6 NPT         2         2         -           2         5530129         FIG GRS Méx1         6 A JIC-0.6 NPT         2         2         -           2         5530025         FIG GRS Méx1         6 A JIC-0.6 NPT         2         -         -           2         5530129         FIG GRS Miloki .5x12         4         - <t< td=""><td>°</td><td>5502196</td><td>AIR CYLINDER, Ø.75 x 0.5" STROKE</td><td>2</td><td>•</td></t<>	°	5502196	AIR CYLINDER, Ø.75 x 0.5" STROKE	2	•
8         5550106         FIG [EE 1/4-1/4-1/4-1/95]         1         -           0         5530126         FIG GRS Mi2X I.75 55         8         -           1         5550025         5HC5 Mi2X I.75 55         8         -           2         5530126         5HC GRS Mi2X I.75 55         8         -           3         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         5/55145         TUBE. @AX 238 x 140mm         2         A           0         2/57016         TUBE. @AX 240 x 24         2         A           0         2/575016         TUBE. @AX 245102	~	5550410	FIG ELB 1/4 TUBE INS 1/8 NPT	~	•
V         5530106         FIG EtB -04 JIC-06 NPT         Z         Z           1         5530129         5HG EtB -04 JIC-06 NPT         2         2         2           2         5530129         FIG GRS M&21 JI.75 x 55         6         -         2         4         -           3         5735145         TUBE, Ø40 x Ø38 x 140mm         2         A         -         2         A         -           0         5735145         TUBE, Ø40 x Ø38 x 140mm         2         A         - <td>200</td> <td>2220489</td> <td>FIG IEE 1/4-1/4-1/4 IUBE INS</td> <td>- (</td> <td>·</td>	200	2220489	FIG IEE 1/4-1/4-1/4 IUBE INS	- (	·
10         3330/127         3FIG GRS Mid 1.1.75 X 333         6         7           2         5550025         TUBE, ØA0 X Ø38 X 140mm         2         A         -           3         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5755145         TUBE, ØA0 X Ø38 X 140mm         2         A         -         -           2         5         5         5         5         5         5         5         -         -           2         6         -         -         -         2         A         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	~	2220106	FIG ELB -04 JIC-06 NPI		·
1         5530054         TIG GK5 Mixt         4         -           3         5/35145         TUBE. Ø40 x Ø38 x 140mm         2         A           2         5/355145         TUBE. Ø40 x Ø38 x 140mm         2         A           2         5/35145         TUBE. Ø40 x Ø38 x 140mm         2         A           2         5/35145         TUBE. Ø40 x Ø38 x 140mm         2         A           2         5         5         5         5         A           2         5         TUBE. Ø40 x Ø38 x 140mm         2         A           2         6         TUBE. Ø40 x Ø38 x 140mm         2         A           2         6         TUBE. Ø40 x Ø38 x 140mm         2         A           2         6         5         5         5         5         A           2         6         5         5         5         5         A         5         5         A         5           3         5         5         5         5         5         5         A         5         5         A         5         5         A         5         5         A         5         5         A         5         5 </td <td>5</td> <td>2000129</td> <td>2HC3 M12 X 1./ 3 X 33</td> <td>×.</td> <td>·</td>	5	2000129	2HC3 M12 X 1./ 3 X 33	×.	·
3         5/35145         TUBE. ØAD X Ø38 X 140mm         2         A           Dafe         Dafe         0         0         2         A           05/05145         TUBE. ØAD X Ø38 X 140mm         2         A         2         A           05/02145         TUBE. ØAD X Ø38 X 140mm         2         A         2         A           05/02146         Eendemik. Idds Lekkowcoo DR. 02/15/2016         Eendemik. Idds Lekkowcoo DR. 02/15/2016         Eendemik. Idds Lekkowcoo DR. 02/15/2016         A           02/15/2016         Eendemik. Idds Lekkowcoo DR. 02/15/2016         Eendemik. Idds Lekkowcoo DR. 02/15/2016         A         5/245/102         D		22000033	FIG GRO MOXI	• •	·
OCCUPATION         OCCUPAT	40	5755145	TIBE 040 v 030 v 1 00mm	1 0	<
05/02/2014 CA 9000 DR. 02/15/2016 mte: SP-7XF LIFT SUPERSTRUCTURE SEE DWG. NO. REV A 5245102 D	2	04100/0	DATE DATE	4	<
02/15/2016 TILE: SP-7XF LIFT SUPERSTRUCTURE SEE DWG. NO. REV A 5245102 D			05/02/2014 CD BendPair, 1645 LEMO	NW00	230KD
MLE SP-7XF LIFT SUPERSTRUCTURE SEE DWG. NO. A 5245102 D			02/15/2016		
SIZE DWG. NO. REV A 5245102 D			me: SP-7XF LIFT SUPERSTRUCTUF	ň	
A 5245102 D			SIZE DWG. NO.	OK.	2
			A 5245102	_	0











DESCRIPTION     DESCRIPTION     OTY REV       SP-7XF LIFT SUPERSTRUCTURE     1     D       SP-7X HYDRAULIC HOSE COVER     1     A       SP-7XF PIVOT BAR COVER     1     A       COUNCT DATA LABEL     1     -       MANUFACTURER LABEL     1     -       DATA LOAD 3500     1     -       SERIAL NUMBER INTERIOR TAG     1     -       DATE     DATE     -     -       MANUFACTORER LABEL     1     -       DAUTON     MAX LOAD 3500     1     -       DAUE     DATE     -     -       MANUFACTION     MAX LOAD 3500     1     -       MANUFACTOR     Image Mark Mark MAUA, CA 9000     -       MANUFACTOR     Mark Mark MAUA, ANDA, CA 9000     -       MARCON     Mark Mark MAUA, ANDA, CA 9000     -       MARCON <t< th=""></t<>











# SP-7X & SP-7XF MODELS LABELS



Scissor\_Lift\_Console



Scissor\_Lift\_Console\_Dieline



Hazard\_Decal



Caution\_Capacity\_Decal

PN 5905524





PN 5905150

Serial\_Tag

# SP-7X & SP-7XF LABEL POSITIONING



# MAINTENANCE RECORDS


# NOTES





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