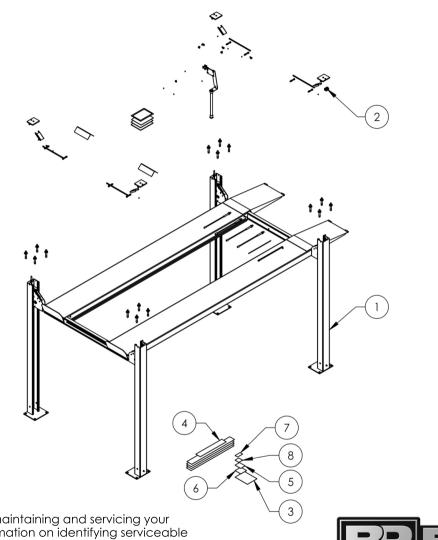
# Service Manual

Service Parts & Diagrams

# HD-7P



BendPak SKU 5260523 HD-7P Four-Post Car Lift Version E 06/02/2016

This guide is a troubleshooting reference used for maintaining and servicing your BendPak product. It provides comprehensive information on identifying serviceable parts and components and assists in troubleshooting problems and performing assembly/disassembly procedures.



#### BendPak, Inc. Corporate Office

1645 Lemonwood Drive Santa Paula, CA 93060 USA Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 info@bendpak.com

#### Customer Service Desk / Warranty

Customer Service Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 customerservice@bendpak.com

#### Parts Orders

Customer Service Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 parts@bendpak.com

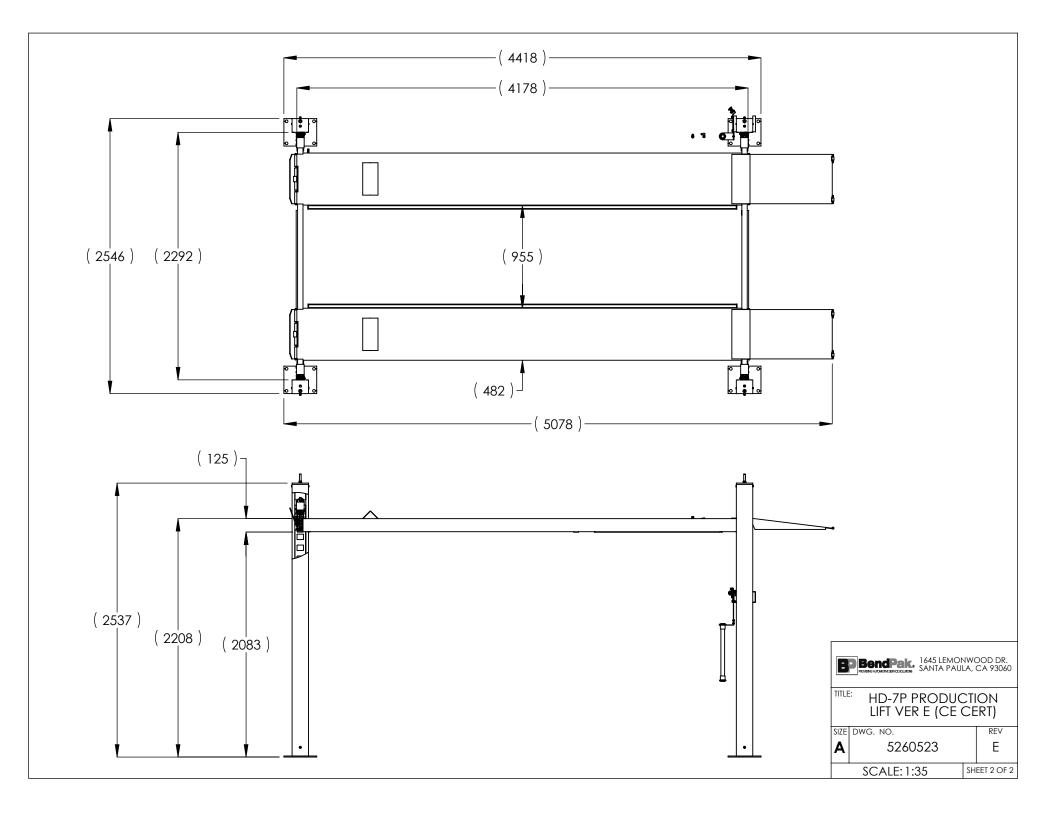
#### Domestic Sales & Service

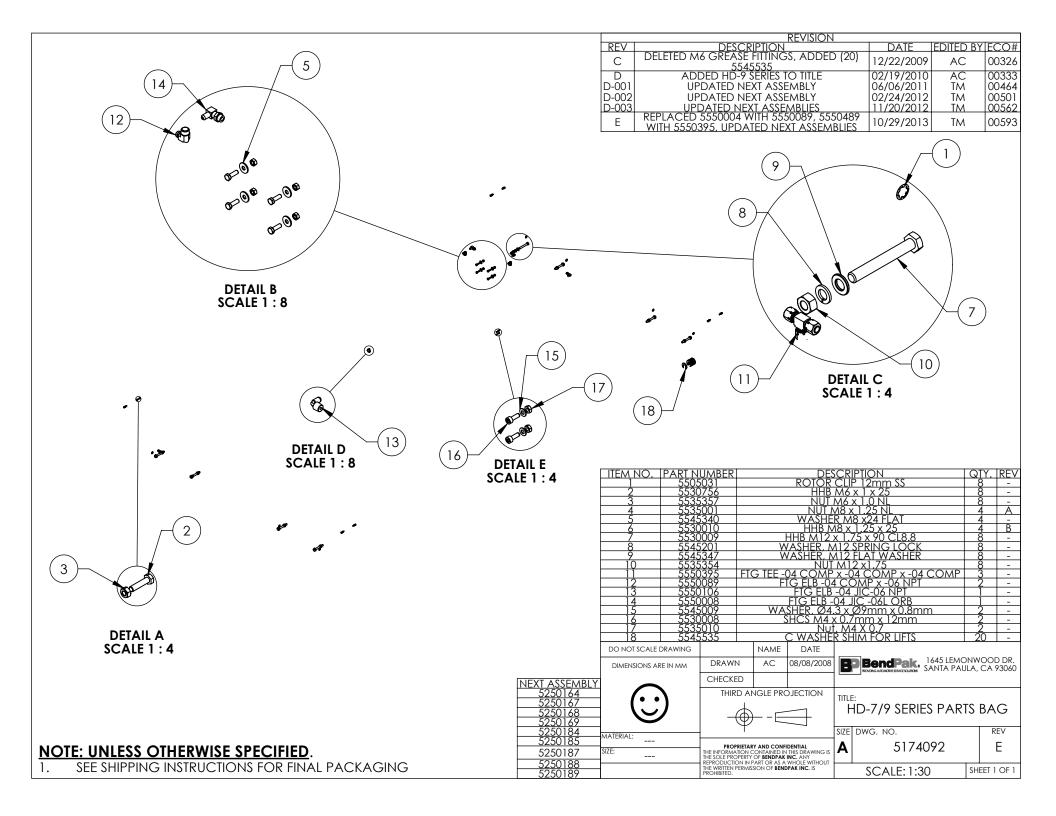
USA Sales Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 sales@bendpak.com

#### International Sales & Service

Office Tel: 1-805-933-9970 Exports Department: 1-805-933-9970 Ext. 192 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 bpkexports@bendpak.com

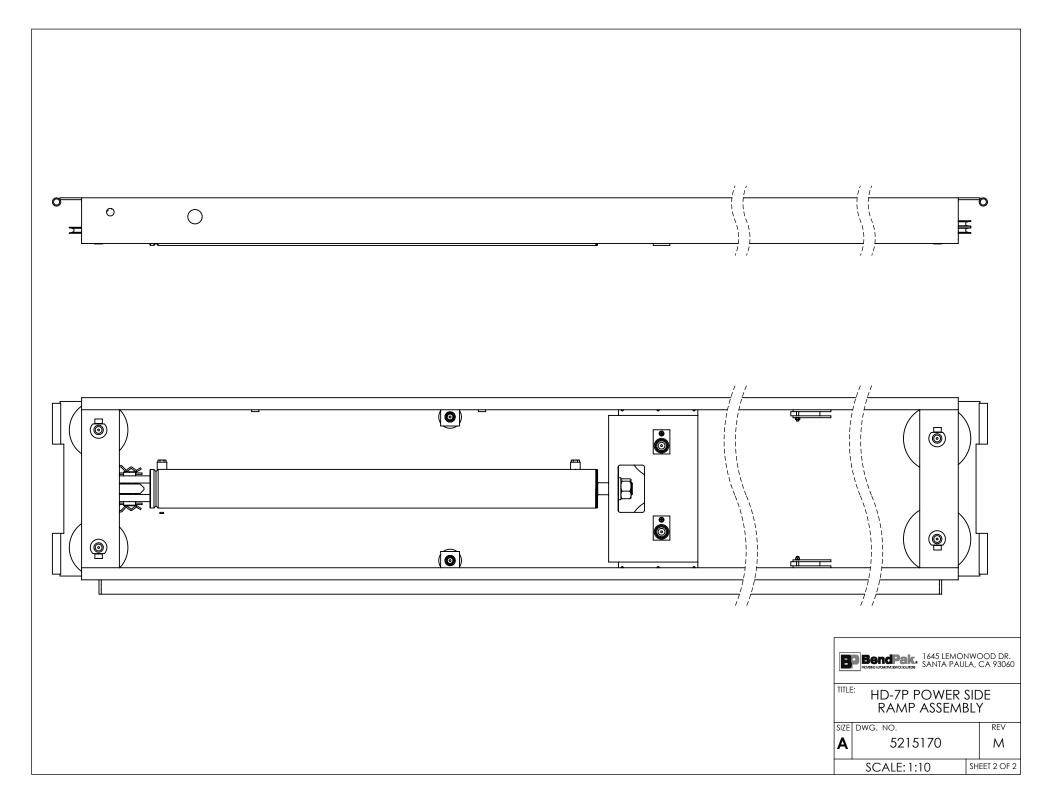
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	C 5905940. AND 5930605. UPDATED BOM 08/13/2015 TM 00683
	REVISIONS         11/24/2015         JM         00740           D         REMOVED 5930605, ADDED 5905952         11/24/2015         JM         00740
	D         UPDATED BOM REVISIONS         11/24/2015         JM         00/40           E         UPDATED BOM REVISIONS         12/31/2015         JM         00741
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	ITEM NO.         PART NUMBER         DESCRIPTION         QTY.         REV           1         5245388         HD-7P LIFT SUPERSTRUCTURE         1         E
	2 5250184 PARTS BOX HD-7P 1 E
	3         5905103         WARNING ALI/WL 200         1            4         5905200         4 POST DECAL KIT, LESS ALI         1         B
	5         5905401         MAX CAP DANGER 7K         1            6         5905465         MANUFACTURER LABEL         1
	7 5905940 PRODUCT DATA LABEL 1
	8         5905952         SERIAL NUMBER INTERIOR TAG PLATE         1            DO NOT SCALE DRAWING         NAME         DATE
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<ol> <li>SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING</li> <li>ALL LABELS TO BE APPLIED TO POSTS AFTER PAINTING.</li> </ol>	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTINUED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDRAK INC. ANY
3. SEE ATTACHED LABEL PLACEMENT SHEET	THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITEN PERMISSION OF BENDPAK INC. IS PRCHIETED: SCALE: 1:50 SHEET 1 OF 2

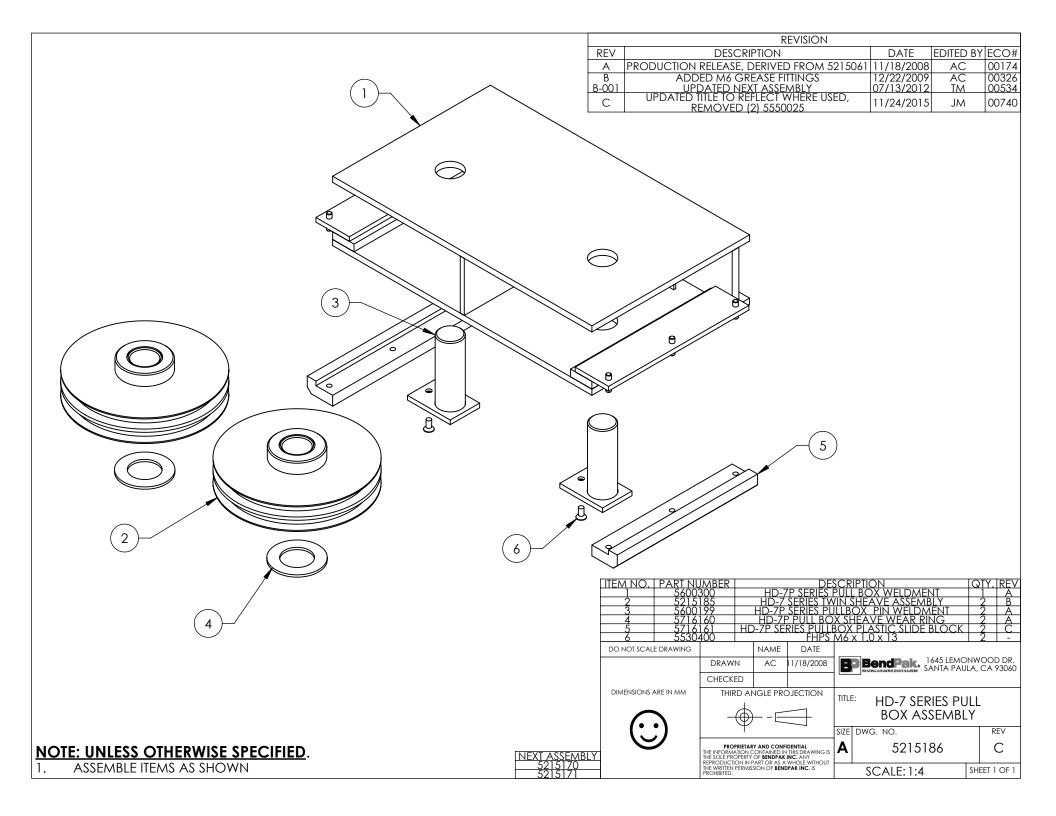




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	D-001         UPDATED NEXT ASSEMBLY         01/21/2011         TM         00439           D-010         UPDATED NEXT ASSEMBLIES         07/24/2013         TM         00611
	E REPLACED 5550481 WITH 5550087 10/29/2013 TM 00593
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	2 5590175 PUSH BUTTON AIR VALVE 1 B
	3         5530043         SHCS M3 x 0.5 x 30         2         -           4         5545024         WASHER M3 x 9mm         2         -
	5 5535020 NUT M3 x 0.5 NL 2 -
	6         5550087         FTG ELB -04 COMP x -02 NPT         1         -           7         5550486         FTG NPL -02 NPT x -04 F NPT         1         -
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	4 DETAIL A SCALE 1 : 10
	Detail A         SCALE 1 : 10         Item       PART         NO.       NUMBER       DESCRIPTION       QTY         1       5600202       HD-7P POWER SIDE RAMP WELDMENT       1         2       5502112       CYLINDER ASSEMBLY Ø3.5 x 41       1         3       5215122       HD-7/7500/9 SERIES SINGLE SHEAVE ROLLER ASSEMBLY       2         4       5600200       HD-7/7500/9 SERIES RAMP SHEAVE ROLLER ASSEMBLY       2         4       5600200       HD-7/7500/9 SERIES RAMP SHEAVE ROLLER ASSEMBLY       2         4       5600200       HD-7/7500/9 SERIES RAMP SHEAVE ASSEMBLY       2         4       5600200       HD-7/7500/9 SERIES RAMP SHEAVE ASSEMBLY       2         4       5600300       HD-7/7500/9 SERIES RAMP SHEAVE ASSEMBLY       2         6       5215186       HD-7 SERIES TWIN SHEAVE ASSEMBLY       2         8       5600301       HD-7 SERIES DIRECTIONAL SHEAVE ASSEMBLY       2         8       5600301       HD-7 SERIES DIRECTIONAL SHEAVE PIN WELDMENT       2         9       5505032       ROTOR CLIP 18mm SS       2         10       5530773       SHCS M&X1.25x00mm L       4         11       5530047       HHB.M6 x 1 x 30mml       2
	DETAIL A         SCALE 1 : 10         ITEM       PART         NO. NUMBER       DESCRIPTION       QTY R         1       5600202       HD-7P POWER SIDE RAMP WELDMENT       1         2       5502112       CYLINDER ASSEMBLY Ø3.5 x 41       1         3       5215122       HD-7/7500/9 SERIES SINGLE SHEAVE ROLLER ASSEMBLY 2       4         4       5600200       HD-7/7500/9 SERIES SINGLE SHEAVE ROLLER ASSEMBLY 2       2         4       5600200       HD-7/7500/9 SERIES SINGLE SHEAVE ROLLER ASSEMBLY 2       2         4       5600200       HD-7/7500/9 SERIES RAMP SHEAVE SHAFT WELDMENT 4       2         5       5215060       HD-7 DIRECTION SHEAVE ASSEMBLY 2       2         6       5215186       HD-7 SERIES TWIN SHEAVE ASSEMBLY 2       2         7       5215185       HD-7 SERIES TWIN SHEAVE ASSEMBLY 2       2         8       5600301       HD-7 SERIES DIRECTIONAL SHEAVE ASSEMBLY 2       2         9       5505032       ROTOR CLIP 18mm SS       2       2         10       5530773       SHCS M&X 1.25x20mm L       4         11       15530047       HHB, Má x 1 x 30mmL       2       2         12       1553357       NUT Má x 1.0 NL       2 <td< th=""></td<>
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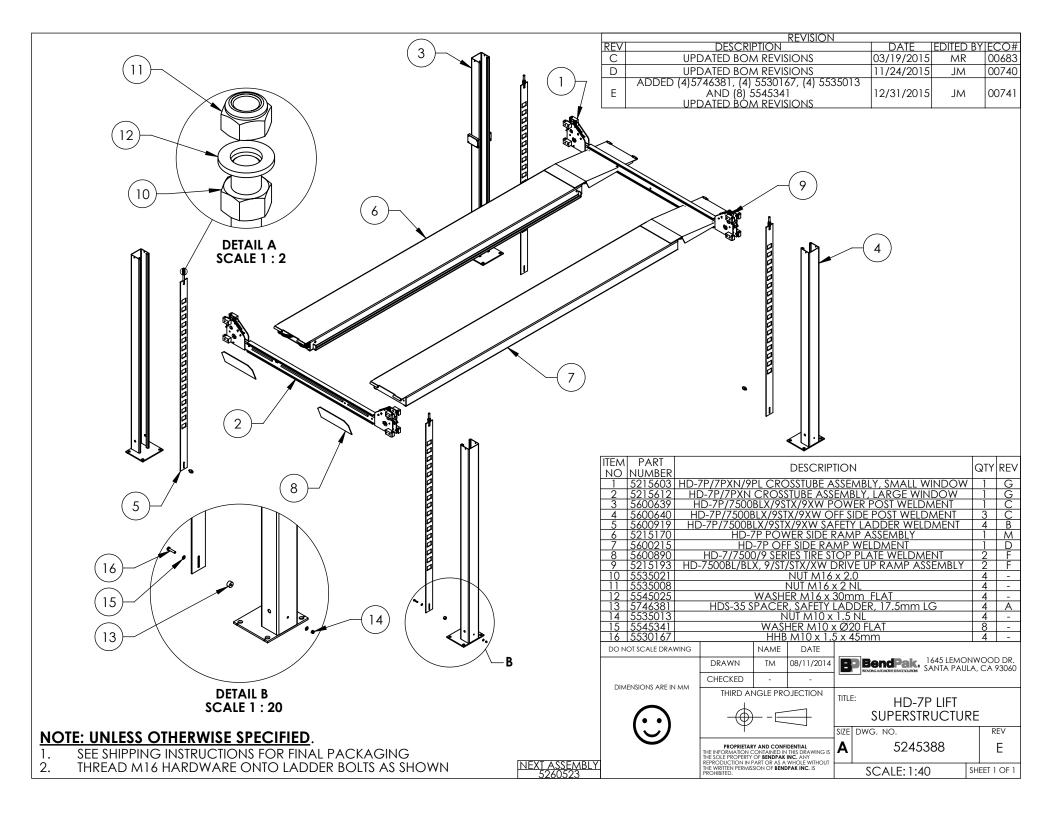




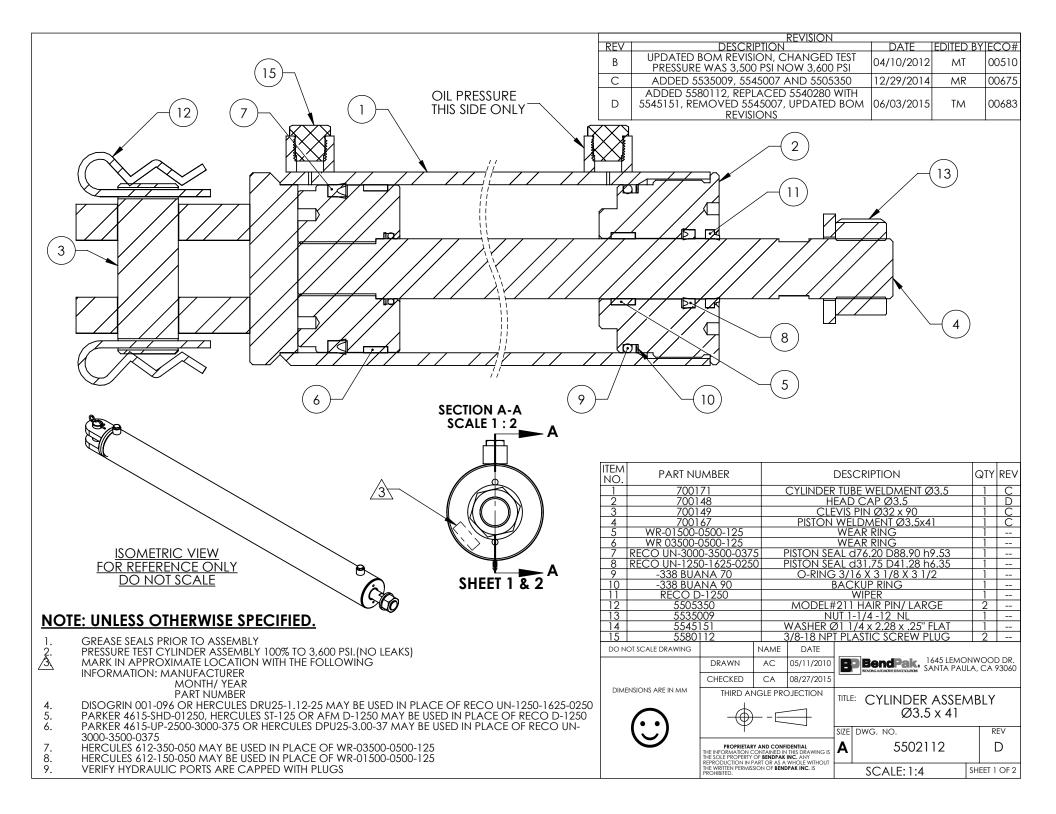
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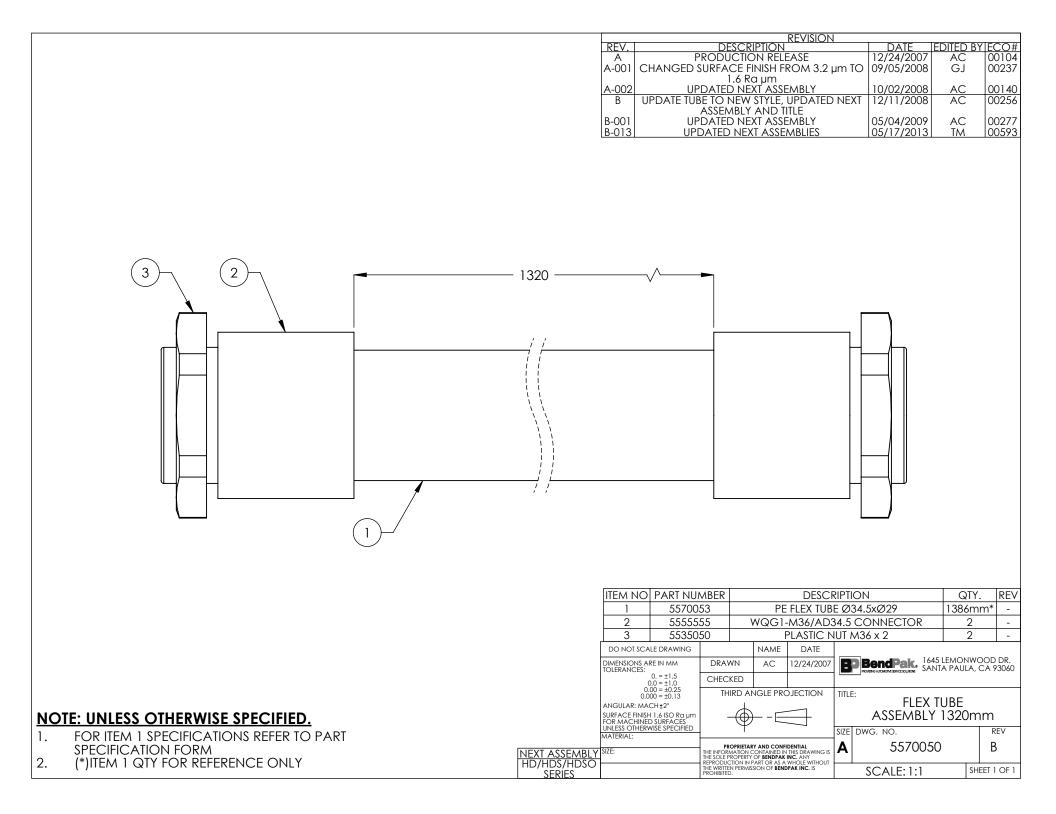
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SCALE 1 : 8       3 <th< td=""><td>D</td><td>ETAIL A</td><td>11 5530005</td><td>HHB M6 x 1 x 70 M6 FLAT WASHER</td><td></td><td></td><td></td></th<>	D	ETAIL A	11 5530005	HHB M6 x 1 x 70 M6 FLAT WASHER			
1       1	ST ST	CALE 1 : 8	13 5535357	NULM6 X 1.0 NL	CK SAFFTY		8 -
1       1			15 5540070	SPRING Ø13mm x 89mm, AIR	CYLINDER 33mm		2 B
1       1			17 5540010	E RING Ø32mm OD DIN ROTOR CUR 10mm	6799		2 -
21       5755137       HD AIR CYLINDER SPACER 25mm       2       B         22       15550087       FIG ELB -04 COMP x -02 NPT       2       -         DO NOT SCALE DRAWING       NAME       DATE         DO NOT SCALE DRAWING       NAME       DATE         DIMENSIONS ARE IN MM       DRAWN       TM       04/29/2013       EBCORDERAK.       1645 LEMONWOOD DR.         DIMENSIONS ARE IN MM       CHECKED       CA       09/01/2015       THIRD ANGLE PROJECTION       THIRD ANGLE PROJECTION       THIRE:       HD-7P/7PXN/9PL         CROSSTUBE ASSEMBLY, SMALL WINDOW       SMALL WINDOW       SIZE       DWG. NO.       REV         SIZE       DWG. NO.       REV       A       5215603       G			19 5530093		10mm		2 -
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	SCALE 1 : 8	15	5540065 5540070	SPRING Ø13mm x 90mm, SL SPRING Ø13mm x 89mm, Al	R CYLINDER		4 A 2 E
		16	5505625 5550087	FEMALE ROD END M6 x FTG ELB -04 COMP x -0	<u>. 33mm</u> )2 NPT		2
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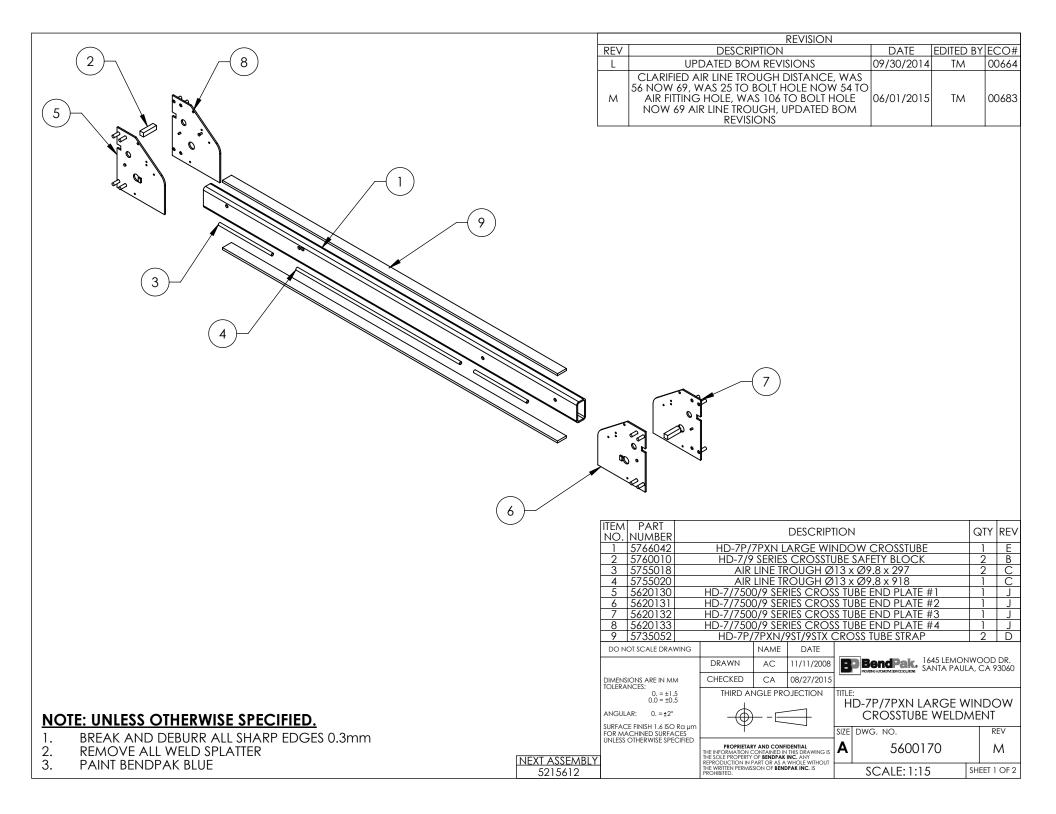


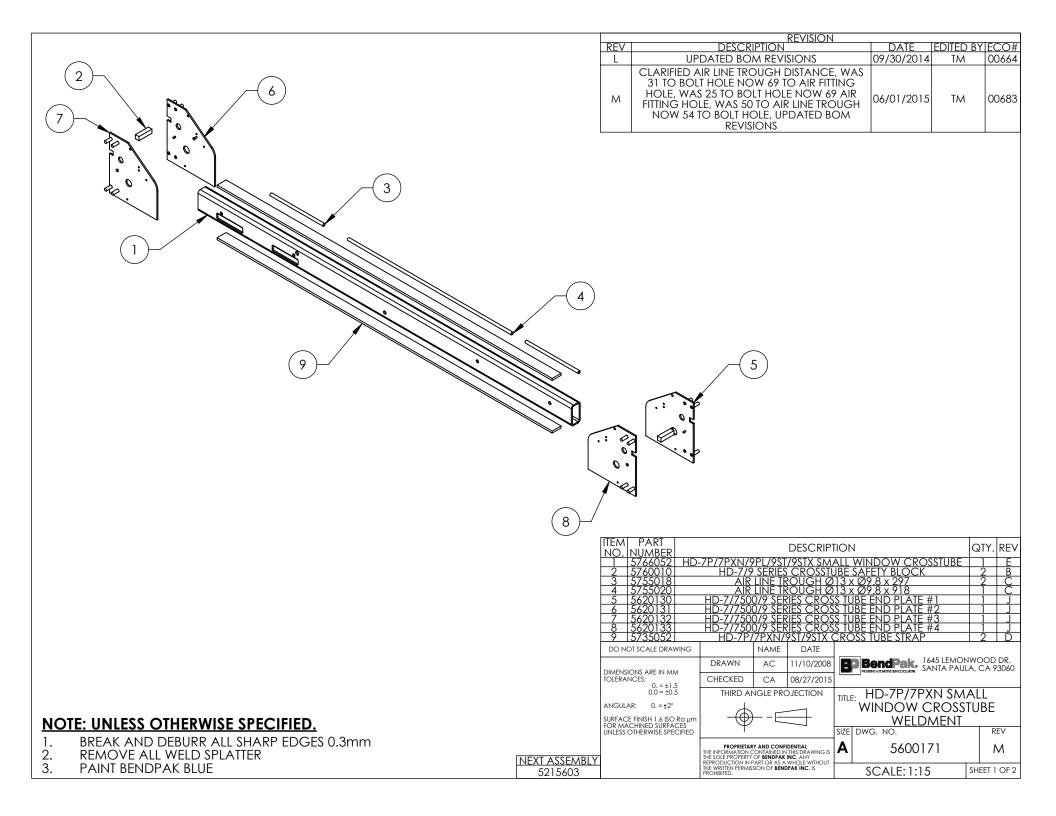
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	REMOVED 5905103, 5905200, 5905401, 5905465, D 5905940, AND 5930605, UPDATED BOM 08/13/2015 TM REVISION 08/13/2015 TM	00683
	E REMOVED 5900151 ADDED (4) 5716630 AND (12) 5550035 11/24/2015 JM	00740
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NOTE: UNLESS OTHERWISE SPECIFIED.         1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING         2. INSERT PARTS BAG INTO PARTS BOX FOR SHIPMENT         3. THREAD 5535358 WITH 5545342 ONTO CABLES FOR SHIPMENT         4. HOSES AND CABLES IN REPRESENTATIONAL FORM         5. (*) LENGTH FOR REFERENCE ONLY	DIMENSIONS ARE IN MM       DRAWN       TM       05/09/2013       Image: Checked and the second and the s	

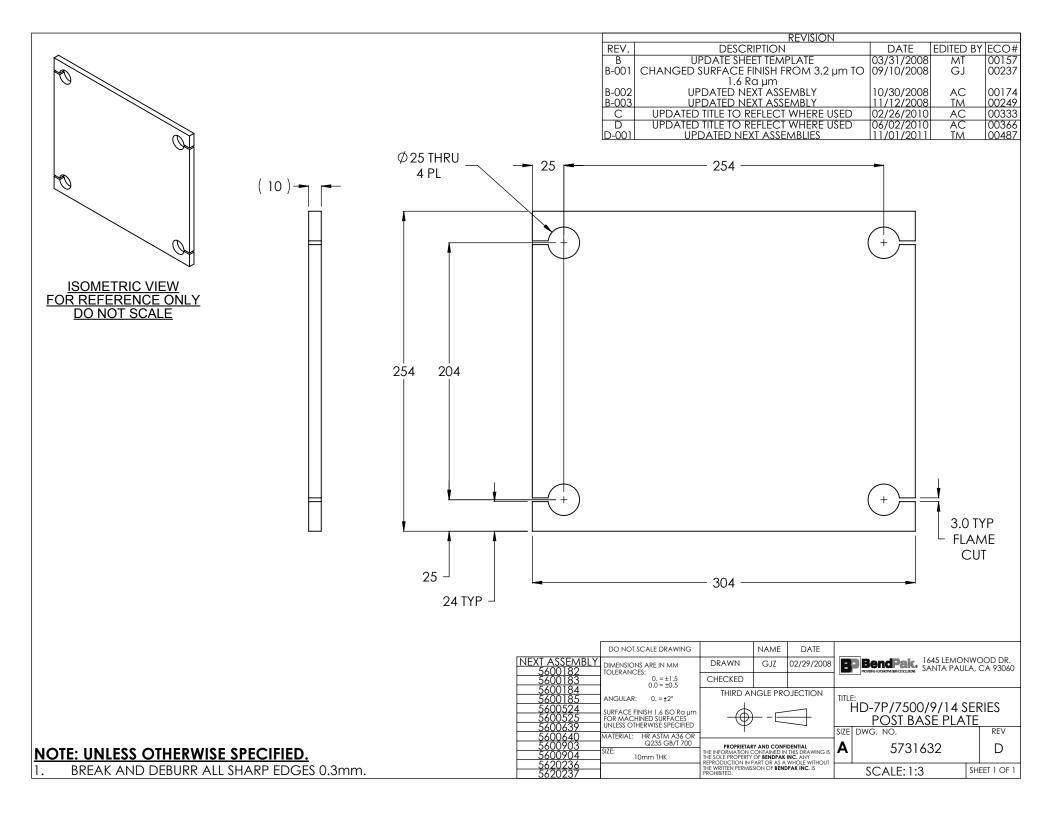




		REV         DATE         EDITED BY         ECO#           B         REPLACED ONE END WITH ELBOW         05/09/2008         AC         00178           C         WAS 2950 NOW 2492, UPDATED NEXT         12/08/2008         AC         00174           ASSEMBLY, ADDED HD-7P TO TITLE         C-001         UPDATED NEXT ASSEMBLY         02/24/2012         TM         00501           C-002         UPDATED NEXT ASSEMBLIES         11/23/2012         TM         00562           C-003         UPDATED NEXT ASSEMBLIES         05/24/2013         TM         00593           D         REPLACED 5570110         WITH 5570129         12/30/2014         MR         00675
	2492( () )	
NOTE: UNLESS OTHERWISE SPECIFIED. 1. FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM 2. (*)ITEM 1 QTY FOR REFERENCE ONLY	NEXT ASSEMBL 5250164 5250184	BOM Table         ITEM NO.       PART NUMBER       DESCRIPTION       QTY.       REV.         1       5570129       Ø6.4 ID HYDRAULIC HOSE       2860mm*       A         2       5550325       FTG NPL Ø1/4 CRIMP x-04 JIC       1       -         3       5550345       FTG ELB Ø1/4 CRIMP x-04 JIC       1       -         DO NOT SCALE DRAWING       NAME       DATE       -       -         DO NOT SCALE DRAWING       NAME       DATE       -       -         DO NOT SCALE DRAWING       NAME       DATE       -       -         DIMENSIONS ARE IN MM       DRAWN       GJZ       01/02/2008       EMERGERERERERERERERERERERERERERERERERERE









BENDPAK Number:	5900041
MRP Description:	HD-7 SERIES INSTALLATION MANUAL
Date:	07/12/2013
ECO :	00724

## 1. Engineering Specification Application: INSTALLATION MANUAL **Detailed Description:** IMPORTANT SAFETY INSTRUCTION SAVE THESE INSTRUCTIONS READ THE ENTIRE CONTENTS OF THIS MAI ATION AND OPERATION. BY PROCEEDIN ATION AND OPERATION YOU AGREE THA STAND AND COMPREHEND THE FULL CON STAND THIS MANUAL TO ALL OPERAT **WARNING** THAT ACAUTION safe operating temperature range for this product is .41° F. - 504 °F. INSTALLATION AND OPERATION MANUAL 7,000 POUND CAPACITY FOUR-POST PARKING LIFTS READ FIRST MODELS: НD-7Р челесние НD-7W челесние Co not operate this machinut until you read and understan 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. CEVINC estignment should be thoroughly inspected as soon as berived. The signed Bill of Lading is enhowedgement the shipping cartier as receipt of this product as the shipping cartier as receipt of this product as inspected by the second shipment. If inspected by the second shipment of RECEIVING ion on the part of the d, do not accept goods until the station on the freight bill of the b. Do this for your own protect at ALL USER P BendPak. Ξ

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



BENDPAK Number:	5900147
MRP Description:	SAFETY MANUAL ALI / SM 93-1
Date:	12/28/2010
ECO :	00431

# 

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



BENDPAK Number:	5900152
MRP Description:	ALIGN OIM OPERATION INSPECTION & MAINTENANCE
Date:	12/28/2010
ECO :	00431

2. Vendor Information			
			_
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



BENDPAK Number:	5905103
MRP Description:	WARNING ALI/WL 200
Date:	05/06/2013
ECO :	00593

## 1. Engineering Specification **Application:** ALI 4 POST SAFETY STICKER KIT **Detailed Description:** Automotive Lift Institute, Inc. WL200 Series Label Kit <u>SIZE:</u> 11" L x 8.5" W (279mm x 216mm) A CAUTION A CAUTION A WARNING A WARNING d pictographs shown are generic in nature and are meant sent hazards common to all automotive lifts regardless of A WARNING A WARN Funding for the the Automotive enerd and validation of these labels w tute, PO Box 85 Contand, NY 13045. NOTICE NOTICE NOTICE unding for the development and validation of these labels to Automotive LPI Institute, PO Box 85 Contland, NY 1904 It label sets may be obtained from the original lift m ember companies. They are protected by copyright

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



BENDPAK Number: 5905151		
MRP Description:	SAFETY TIPS CARD ALI-ST 90	
Date:	12/28/2010	
ECO :	00431	

## 1. Engineering Specification

oplic	ation:	
_I SA	AFETY TIPS	
etaile	ed Description:	
	0	TO STATE
	AUTOMOTIVE LIFT	<u> </u>
	SAFETY TIPS	
	Post these safety tips where they will be a constant reminder to your lift operator. For information specific to the lift, always refer to the lift manufacturer's manual.	
	<ol> <li>Inspect your lift daily. Never operate if it mailunctions or if it has broken or damaged parts. Repairs should be made with original equipment parts.</li> </ol>	
	<ol> <li>Operating controls are designed to close when released. Don't block open or override them.</li> </ol>	
	<ol> <li>Never overload your lift. Manufacturer's rated capacity is shown on name- plate affixed to the lift.</li> </ol>	
	<ol> <li>Positioning of vehicle and operation of the lift should be done only by trained and authorized personnel.</li> </ol>	
	<ol> <li>Never raise vehicle with anyone inside it. Customers or by-standers should not be in the lift area during operation.</li> </ol>	
	<ol> <li>Always keep lift area free of obstructions, grease, oil, trash and other debris.</li> </ol>	
	<ol> <li>Before driving vehicle over lift, position arms and supports to provide unobstructed clearance. Do not hit or run over lift arms, adapters, or axie supports. This could damage lift or vehicle.</li> </ol>	
	8. Load vehicle on lift carefully. Position lift supports to contact at the vehicle manufacturer's recommended lifting points. Raise lift will supports contact vehicle, Check supports for secure contact with vehicle. Raise lift to desired working height. CAUTION: If you are working under vehicle, lift should be raised high enough for locking device to be engaged.	
	9. Note that with some vehicles, the removal (or installation) of components may cause a critical shift in the vehicle's center of gravky, and result in raised vehicle installity. Refer to the vehicle manufacture's service man- ual for recommended procedures when vehicle components are romoved.	
	<ol> <li>Before lowering lift, be sure tool trays, stands, etc. are removed from under vehicle. Release locking devices before attempting to lower lift.</li> </ol>	
	<ol> <li>Before removing vehicle from lift, position lift arms and supports to provide an unobstructed exit (See Item #7).</li> </ol>	
	These "Safety Tips", along with general lift safety materials, are presented as an industry service by the Automotive Lift Institute. Visit our web site at www.autolift.org for more information on this material, or write to P.O. Box 87, Cortland, YY 13045.	
	Look For This Label on all Automotive Service Lifts.	
	AUTONOTIVE LIFT INSTITUTE.	

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



BENDPAK Number: 5905311	
MRP Description:	BENDPAK LABEL; 4 x 38" WHITE INK
Date:	05/13/2015
ECO :	00689

## 1. Engineering Specification **Application: BENDPAK LABEL Detailed Description:** SIZE: 38" L x 4.25" W (965mm x 108mm) Material: Yellow Represents Clear Adhesive PET ٠ Size: 4.25"W x 38"H • Thickness: 4 Mil • Finish: Polished • Ink: U.V. protected, Opaque White ٠ • Print Process: Silk Screen, 85 line-screen (Opaque White ink, clear adhesive PET will fill in blank areas.) Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection •

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			





## www.bendpak.com

P/N 5905311



BENDPAK Number:	5905401
MRP Description:	MAX CAP DANGER 7K
Date:	05/06/2013
ECO :	00593

## 1. Engineering Specification

Application: LIFT CAPACITY STICKER	
Detailed Description:	
ADANGER	<u>SIZE:</u> 5″ L x 4″ W (127mm x 100mm)
THE MAXIMUM LIFTING CAPACITY For this lift is described below	
Maximum Lifting Capacity 7000 lbs. / 3175 kg	
Max. Lifting Cap. / Front of Lift Center 3500 lbs. / 1588 kg	
Max. Lifting Cap. / Rear of Lift Center 3500 lbs. / 1588 kg	
Exceeding the weight capacity of this lift can damage lift and/or property and may cause personal harm, injury or death to operators and/or bystanders. All vehicles MUST be positioned on lift with CENTER OF GRAVITY midway between adapters and/or centered on runways. Damage to lift due to overloading or misuse IS NOT covered under warranty.	
P/N 5905401	

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



## THE MAXIMUM LIFTING CAPACITY FOR THIS LIFT IS DESCRIBED BELOW

Maximum Lifting Capacity 7000 lbs. / 3175 kg

Max. Lifting Cap. / Front of Lift Center 3500 lbs. / 1588 kg

Max. Lifting Cap. / Rear of Lift Center 3500 lbs. / 1588 kg

Exceeding the weight capacity of this lift can damage lift and/or property and may cause personal harm, injury or death to operators and/or bystanders. All vehicles MUST be positioned on lift with CENTER OF GRAVITY midway between adapters and/or centered on runways. Damage to lift due to overloading or misuse IS NOT covered under warranty.

P/N 5905401



BENDPAK Number:	5905465
MRP Description:	MANUFACTURER LABEL
Date:	05/07/2013
ECO :	00593

## 1. Engineering Specification

Application:	
MANUFACTURER LABEL	
Detailed Description:	
MFD. BY BENDPAK INC.	
LIFT TYPE: SURFACE MOUNT CAPACITY: MED/HVY DTY POWER: ELECTRIC/HYDRAULIC ANCHORS: AS EQUIPPED INSTALLATION - SEE OWNERS GUIDE OR CONTACT FACTORY	<u>SIZE:</u> 5.125" L x 5.125" W (130mm x 130mm)
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.	
PLEASE READ ALL OPERATORS/USERS MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF EACH MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. DELIVER THE MANUAL(S) TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.	
IMPORTANT NOTE: BENDPAK LIFTS ARE SUPPLIED WITH CONCRETE FASTENERS MEETING THE CRITERIA AS PRESCRIBED BY ASTM E488 - 96(2003). LIFT BUYERS ARE RESPONSIBLE FOR 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).	
INTERNAL BAR CODE - FOR FACTORY AUDIT ONLY 34086	
BPK STYOT P20KVR X18576 HVY DTY/ GVR 832 THE MANUFACTURE, USE, SALE OR IMPORT OF THIS PRODUCT MAY BE SUBJECT TO ONE OR MORE UNITED STATES PATENTS, OR PENDING APPLICATIONS, OWNED BY BENDPAK, INC.	
ENGINEERED BY BENDPAK INC USA MADE IN CHINA	

### 2. Vendor Information

		-	
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

#### MFD. BY BENDPAK INC.

LIFT TYPE: SURFACE MOUNT CAPACITY: MED/HVY DTY

POWER: ELECTRIC/HYDRAULIC ANCHORS: AS EQUIPPED

#### INSTALLATION - SEE OWNERS GUIDE OR CONTACT FACTORY

#### 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.

**PLEASE READ** ALL OPERATORS/USERS MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF EACH MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. DELIVER THE MANUAL(S) TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

#### IMPORTANT NOTE:

BENDPAK LIFTS ARE SUPPLIED WITH CONCRETE FASTENERS MEETING THE CRITERIA AS PRESCRIBED BY ASTM E488 – 96(2003). LIFT BUYERS ARE RESPONSIBLE FOR 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).



INTERNAL BAR CODE - FOR FACTORY AUDIT ONLY 34086

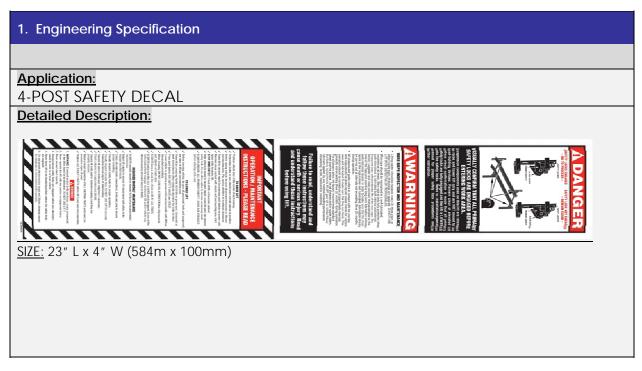
BPKSTYOTP20KVRX18576HVY DTY/ GVR<br/>832THE MANUFACTURE, USE, SALE OR IMPORT OF THIS PRODUCT MAY<br/>BE SUBJECT TO ONE OR MORE UNITED STATES PATENTS, OR<br/>PENDING APPLICATIONS, OWNED BY BENDPAK, INC.

ENGINEERED BY BENDPAK INC USA

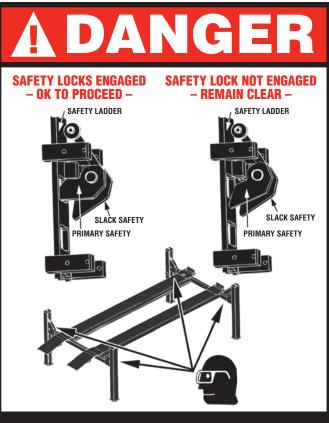
MADE IN CHINA



BENDPAK Number:	5905556	
MRP Description:	scription: 4-POST SAFETY DECAL	
Date:	05/06/2013	
ECO :	00593	



2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



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

Suspension components used on this lift are intended to raise and lower lift only and are NOT meant to be load-holding devises. 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.

# AWARNING

#### WIRE ROPE INSPECTION AND MAINTENANCE

- Lifting cables should be replaced every (3) three years or when visible signs of damage are apparent. DO NOT USE LIFT WITH DEFECTIVE OR WORN CABLES.
- Wire rope should be maintained in a well-lubricated condition at all times. Wire rope is only fully protected when each wire strand is lubricated both internal and external. Excessive wear will shorten the life of the wire rope. The factory suggests wire rope lubricant that penetrates to the core of the rope and provides long-term lubrication between each individual strand. In order to make sure that the inner layers of the rope remain well lubricated, lubrication should be carried out at intervals not exceeding three (3) months during operation.
- All sheaves and guide rollers in contact with the moving wire rope should be given regular visual checks for surface wear and lubricated to make sure that they run freely. This operation should be carried out at appropriate intervals generally not exceeding three (3) months during operation. For all sheave axles, the factory recommends standard wheel bearing grease. For all sheaves and/or guide rollers, the factory recommends 90-WT gear oil or similar heavy lubricant applied by any method including pump/spray dispensing, brush, hand and/or swabbing.

Failure to read, understand and follow these instructions may cause death or serious injury. Read and understand these instructions

## before using lift.

# IMPORTANT OPERATION / MAINTENANCE INSTRUCTIONS - PLEASE READ

#### **TO RAISE LIFT**

- Position vehicle tires at the center of each runway.
- $\checkmark$  Set parking brake or use wheel chock to hold vehicle in position.
- Before raising vehicle, be sure all personnel are clear of lift and surrounding area. Pay careful attention to overhead clearances.
- ✓ Raise lift to desired height by pressing push button on power unit.
   ✓ Maintain visual contact with vehicle and surrounding area at all times while lowering lift.
- ✓ STOP IMMEDIATELY if load shifts or becomes unlevel.
- ✓ After vehicle is raised to desired height, lower lift onto the nearest safety lock. Do not allow cables to become excessively slack.
- ✓ ALWAYS INSURE ALL PRIMARY SAFETY LOCKS ARE ENGAGED before entering work area.

#### **TO LOWER LIFT**

- ✓ Before lowering vehicle, be sure all personnel, tools and equipment are clear of lift and surrounding area.
- Raise lift by pressing RAISE BUTTON on power unit. Elevate lift at least two inches to allow adequate clearance for locks to clear.
- Press push button AIR SAFETY VALVE and HOLD.
- ✓ Lower vehicle by pressing power unit lowering handle until lift has descended completely.
- When lowering lift PAY CAREFUL ATTENTION that all personnel and objects are kept clear.
- ✓ ALWAYS keep a visual line of site on lift AT ALL TIMES.
- ✓ ALWAYS make sure that ALL LOCKS are disengaged. If one of the locks inadvertently engages on descent, lift and/or vehicle may disrupt causing personal injury or death.

#### **REQUIRED MONTHLY MAINTENANCE**

- ✓ ALWAYS consult operation manual for factory recommended maintenance.
- Adjust lift cables to ensure lift raises level and safety locks engage simultaneously.
- Check all chain/cable connections, bolts and pins to insure proper mounting.
- ✓ Visually inspect safety locks for proper operation.
- ✓ Visually inspect concrete floor. DO NOT USE LIFT if concrete foundation shows signs of deterioration.
- ✓ Inspect all anchor bolts and retighten if necessary.
- ✓ Check columns for squareness and plumb.
- ✓ Inspect all bolts and/or fasteners making sure they are properly secured.
- ✓ Make a visual inspection of ALL MOVING PARTS and check for excessive signs of wear.
- ✓ Replace ALL FAULTY PARTS before lift is put back into operation.

#### **A** WARNING

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

P/N 5905556



BENDPAK Number:	5905940
MRP Description:	PRODUCT DATA LABEL
Date:	05/06/2013
ECO :	00593

## 1. Engineering Specification

Application:

PRODUCT DATA LABEL

Detailed Description:

	BendPa DVIDING AUTOMOTIVE SERVICE			AULA, CA USA BENDPAK.COM
LIFT TYPE: SUR	ACE MOUNT CAP: ME	D/HVY DTY MFG. BPK SEE D	DATA PLATE FOR	PRODUCT DETAILS
POWER: ELECTR	RIC/HYDRAULIC	INSTALLATION - SEE OWN	NERS GUIDE OR	CONTACT FACTORY
THAT ARE LOCAT LISTING OR AFFE CERTIFIED FOR U CONTACT THE PA	ED IN THE LOAD PATH, AF CT INTENDED VEHICLE A JSE ON THIS LIFT, THEN T	S, ACCESSORIES OR CONFIGUE FFECT OPERATION OF THE LIFT ACCOMMODATION ARE USED O THE CERTIFICATION OF THIS LIF IATION PERTAINING TO CERTIFIE NENTS.	T, AFFECT THE LIF IN THIS LIFT AND, FT SHALL BECOM	T ELECTRICAL IF THEY ARE NOT E NULL AND VOID.
ASTM E488 - 96(2 SEISMIC ANCHOR	003). LIFT BUYERS ARE F RING REQUIREMENTS SF	NCRETE FASTENERS MEETING RESPONSIBLE FOR ANY SPECIA PECIFIED BY ANY OTHER AGENO INTERNATIONAL BUILDING COE	AL REGIONAL STR	UCTURAL AND/OR
	, OR PENDING APPLICAT	ORT OF THIS PRODUCT MAY BE S TONS, OWNED BY BENDPAK, INC EERED BY BENDPAK INC. U	C.	OR MORE UNITED
<u>SIZE:</u> 2.3″ L	x 4.5″ W (58m	nm x 114mm)		

2. Vendor Information			
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			



#### SANTA PAULA, CA USA WWW.BENDPAK.COM PN 5905940

LIFT TYPE: SURFACE MOUNT CAP: MED/HVY DTY MFG. BPK SEE DATA PLATE FOR PRODUCT DETAILS

POWER: ELECTRIC/HYDRAULIC INSTALLATION - SEE OWNERS GUIDE OR CONTACT FACTORY

SAFETY INSTRUCTIONS: IF ATTACHMENTS, ACCESSORIES OR CONFIGURATION MODIFYING COMPONENTS. THAT ARE LOCATED IN THE LOAD PATH, AFFECT OPERATION OF THE LIFT, AFFECT THE LIFT ELECTRICAL LISTING OR AFFECT INTENDED VEHICLE ACCOMMODATION ARE USED ON THIS LIFT AND, IF THEY ARE NOT CERTIFIED FOR USE ON THIS LIFT, THEN THE CERTIFICATION OF THIS LIFT SHALL BECOME NULL AND VOID. CONTACT THE PARTICIPANT FOR INFORMATION PERTAINING TO CERTIFIED ATTACHMENTS, ACCESSORIES OR CONFIGURATION MODIFYING COMPONENTS.

BENDPAK LIFTS ARE SUPPLIED WITH CONCRETE FASTENERS MEETING THE CRITERIA AS PRESCRIBED BY ASTM E488 - 96(2003). LIFT BUYERS ARE RESPONSIBLE FOR 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).

THE MANUFACTURE, USE, SALE OR IMPORT OF THIS PRODUCT MAY BE SUBJECT TO ONE OR MORE UNITED STATES PATENTS, OR PENDING APPLICATIONS, OWNED BY BENDPAK, INC. DO NOT REMOVE ENGINEERED BY BENDPAK INC. USA MADE IN CHINA



BENDPAK Number:	5905952
MRP Description:	LABEL C (4-POST LIFTS NO CE)
Date:	11/23/2015
ECO :	00740

### 1. Engineering Specification Application: DATA SERIAL TAG, 4-POST LIFTS, NO CE **Detailed Description:** Santa Paula, CA USA www.bendpak.com **BP** BendPak. <u>SIZE:</u> 3.38" L x 3.38" W MODEL NUMBER SERIAL NUMBER (85.7mm x 85.7mm) LIFT CAPACITY DATE OF MFG. ROLLING JACK MAX CAP. MAX PSI / BAR VOLTAGE 110-240WAC, 50-60 Hz, 1 Ph 208-440WAC, 50-60 Hz, 3 Ph 208-240VAC, 50-60 Hz, 1 Ph 208-440VAC, 50-60 Hz, 3 Ph DANGER! Disc Fisconnect Power Sefore Servicing 6 HI PN 5905952

### 2. Vendor Information (Or for Reference)

	Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)				
2)				
	OR B	ENDPAK ENGINEERING AP	PROVED EQUIVALENT	



#### **MODEL NUMBER**

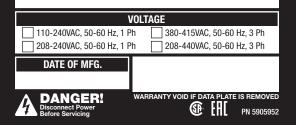
#### SERIAL NUMBER

LIFT CAPACITY

DESCRIPTION

**ROLLING JACK MAX CAP.** 

MAX PSI / BAR





# 2016 NON-CE 4 Post Lifts Colors & Graphics

MODELS: HD-9SW HDS-40 HD-9SWX HDS-40X HD-14T HD-9AE

# 4/7/16

### CONFIDENTIAL INFORMATION.

You may not disclose, print, copy or disseminate this information. Unauthorized use is a violation of federal criminal law.

# **4 Post Lifts Product Decal Positioning**

A **Total of 4** 





Ali\_4\_Post\_labels.pdf: (Order Labels from ALI)

BPK Post Branding Decal-Large\_5905311.pdf:

PN 5905311

Material: Clear Adhesive PET

Size: 4.25"W x 38"H

Thickness: 4 Mil

Finish: Polished

Ink: U.V. protected, Opaque White

Print Process: Silk Screen, 85 line-screen (Yellow color in file represents what should be clear PET material and SHOULD NOT print as Yellow ink. White area in file represents Opaque White ink.)

Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection

PN 5905556

#### 4\_Post\_Safety\_Decal.pdf:

Size: 4"W x 23"H

Material: White Vinyl Pressure Sensitive Adhesive Thickness: 4 Mil

Ink: U.V. protected CMYK 2/C Process

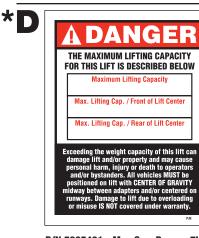
Finish: Polished

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection

# **4 Post Lifts Product Decal Positioning**

\*



P/N 5905401 - Max Cap. Danger 7k P/N 5905695 - Max. Cap. Danger 7500 P/N 5905402 - Max Cap. Danger 9k P/N 5905557 - Max. Cap. Danger 14K P/N 5905406 - Max Cap. Danger 18k P/N 5905407 - Max. Cap. Danger 27K P/N 5905408 - Max. Cap. Danger 35K P/N 5905409 - Max. Cap. Danger 40K

<b>BP</b> BendF	ak.	5.4	WWW.BENDPAK.CO
LIFT TYPE SURFACE MOUNT CAP: I POWER: ELECTRICHYDRAULC			ATE FOR PRODUCT DETA UIDE OR CONTACT FACTO
SAFETY INSTRUCTIONS: IF ATTACHWE THAT ARE LOCATED IN THE LOAD PATH USTING OR AFFECT INTERDED VEHICL CERTIFIED FOR USE ON THIS LIFT, THE CONTACT THE PARTICIPANT FOR INFO OR CONFIGURATION MODIFYING COM	AFFECT OPERATION E ACCOMMODATION A IN THE CERTIFICATION RMATION PERTAINING	OF THE LIFT, AFFEC FIE USED ON THIS OF THIS UFT SHAL	T THE LIFT ELECTRICAL JFT AND IF THEY ARE NOT L BECOME NULL AND VOE
DENORAL LIFTS ARE SUPPLIED WITH O ASTM EARS - 90(2000), LIFT BLYTERS AR SEISMC ANCHORING REQUIREMENTS UNIFORM BUILDING CODE (UBC) AND/C	E RESPONSIBLE FOR A	ANY SPECIAL REGI THEP AGENCIES AN	ONAL STRUCTURAL AND C D/OR CODES SUCH AS TH
THE MANUFACTURE, USE, SALE OR IM STATES PATENTS, OR PENDING APPLIC			T TO ONE OR MORE UNITE
	NEERED BY RENDP		MADE IN CHIN

PN 5905940

#### \*Max. Cap. Danger.pdf: Size: 4"W x 5"H

Material: White Vinyl Pressure Sensitive Adhesive

Thickness: 4 Mil

Ink: U.V. protected CMYK 2/C Process Finish: Polished

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection



P/N 5905645 - NRTL Lifting Cap Label 7K P/N 5905700 - NRTL\_Lifting\_Cap\_Label\_ 7500 P/N 5905650 - NRTL\_Lifting\_Cap\_Label\_9k P/N 5905665 - NRTL\_Lifting\_Cap\_Label\_14k P/N 5905675 - NRTL\_Lifting\_Cap\_Label\_18k P/N 5905680 - NRTL\_Lifting\_Cap\_Label\_27k P/N 5905685 - NRTL\_Lifting\_Cap\_Label\_35K P/N 5905690 - NRTL\_Lifting\_Cap\_Label\_40K

#### \*NRTL\_Lifting\_Cap\_Label\_.pdf:

Size: 4.5"W x 3.25"H

Material: White Vinyl Pressure Sensitive Adhesive

Thickness: 4 Mil

Ink: U.V. protected CMYK 2/C Process

Finish: Polished

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection

## \*DEPENDS ON LIFT MODEL AND CAPACITY

Product_Data_Label_5905940-New.pdf:
Size: 4.5"W x 2.3"H
Material: White Vinyl Pressure Sensitive Adhesive
Thickness: 4 Mil
Ink: U.V. protected CMYK 2/C Process
Finish: Polished
Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear-gloss over-laminate for abrasion, chemical, and ultra violet protection



PN 5905952

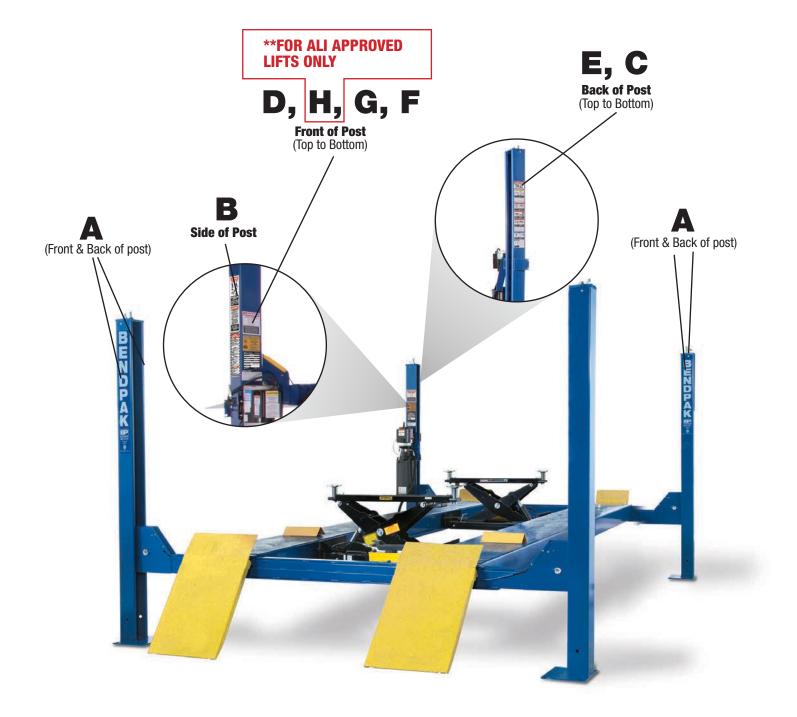
#### 2015\_Serial\_Tag-C-5905952.jpg:

Size: 3"W x 3"H

Material: Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon Ink: 1 Color-Black





# **4 Post Lifts Packaging**





MFD. BY BENDPAK INC.

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.

PLEASE READ ALL OPERATORS/USERS MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. UNDERSTAND AND COMPRETEND THE FULL CONTENTS OF EACH MANUAL(S) PRIOR TO INSTALLATION AND OPERATION. DELIVER THE MANUAL(S) TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

IMPORTANT NOTE: BENDPAK LIFTS ARE SUPPLIED WITH CONCRETE FASTENERS MEETING THE CRITERIA AS PRESCRIBED BY ASTM E488 - 96(2003). LIFT BUYERS ARE RESPONSIBLE FOR ANY SPECIAL REGIONAL STRUCTURAL AND/OR SEISMIC ANCHORING REGUIREMENTS SPECIFIED BY ANY OTHER AGENCIES AND/OR CODES SUCH AS THE UNIFORM BUILDING CODE (UBC) AND/OR INTERNATIONAL BUILDING CODE (IBC).

INTERNAL BAR CODE - FOR FACTORY AUDIT ONLY 34086 BPK STYOT P20KVR X18576 HVY DTY/ GVR B22 THE MANUFACTURE, USE, SALE OR IMPORT OF THIS PRODUCT MAY BE SUBJECT TO ONE OR MORE UNITED STATES PATENTS, OR PENDING APPLICATIONS, OWNED BY BENDPAK, INC.

INSTALLATION - SEE OWNERS GUIDE OR CONTACT FACTORY

LIFT TYPE: SURFACE MOUNT POWER: ELECTRIC/HYDRAULIC

ENGINEERED BY BENDPAK INC USA

CAPACITY: MED/HVY DTY ANCHORS: AS EQUIPPED

MADE IN CHINA

#### Manufacturer Packaging Label:

Size: 5"W x 5"H

Material: White adhesive paper

Ink: U.V. protected CMYK 2/C Process

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital