Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK

RJ45LP

PRODUCT SKU **5175579**

DRAWING Nº

5260610

CATEGORY

Rolling Bridge Jack

REV

Version F

DATE

12.15.2022



BendPak.

This guide is a troubleshooting reference used for maintaining and servicing your Bend Pak 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

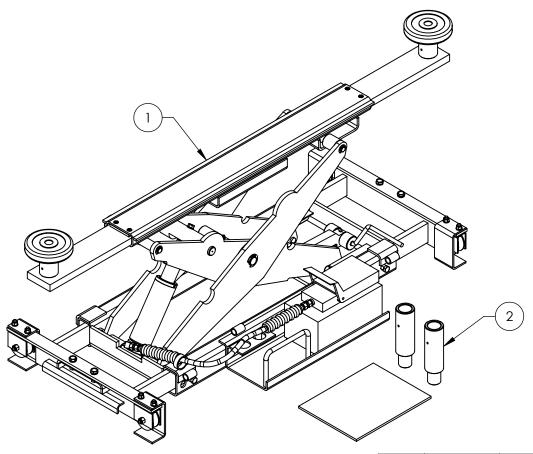
Domestic Sales & Service

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 Dept: 1-805-933-9970 EXT. 192 Ext. Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 bpkexports@bendpak.com

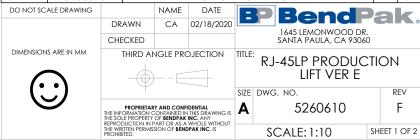
	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
О	ADDED 5905775 AND 5906044	09/03/2021	CA	01322
Е	REPLACED LABELS WITH COLORS & GRAPHICS NOTE, REPLACED 5940053 WITH PACKAGING INSTRUCTION NOTE	09/29/2021	СА	01348
F	UPDATED BOM REVISION	08/17/2022	TM	01438



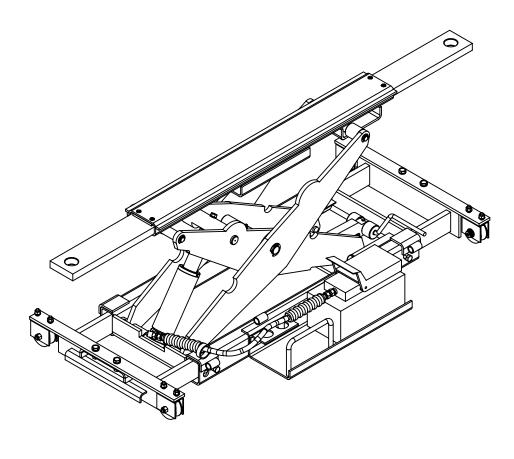
NOTE: UNLESS OTHERWISE SPECIFIED.

- 1. REFER TO MODEL FOR ADDITIONAL INFORMATION
- 2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- 3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT
- 4. APPLY LIQUID THREAD SEALANT TO FITTINGS PRIOR TO ASSEMBLY.
 SEE BP SPECIFICATION FORM 5580012

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5205013	RJ-45LP LIFT SUPERSTRUCTURE	1	С
2	5250271	DJ-4500/6000W, RJW PARTS BOX	1	F
-	5900093	RJW SERIES MANUAL	1	



		REVISION			
R	REV	DESCRIPTION	DATE	EDITED BY	ECO#
	Α	PRODUCTION RELEASE, DERIVED FROM 5205284	02/18/2020	CA	01146
	В	UPDATED BOM REVISION	11/06/2020	CA	01230
	С	UPDATED BOM REVISION	08/17/2022	TM	01438



WHERE USED RJ-45LP

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING 2.
- ASSEMBLE ITEMS AS SHOWN

3.
\wedge
//\

AIR HYDRAULIC PUMP MUST BE INSTALLED USING THE **INCLUDED BOLTS**

NEXT ASSEMBLY 5260610

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5600124	RJ-45LP MAIN BODY BASE WELDMENT	1	F
2	5502200	CYLINDER ASSEMBLY Ø2.0 x 4.375	1	G
3	5215111	RJ-45LP SCISSOR ASSEMBLY	1	F
4	5746031	RJ-45LP CYLINDER HINGE ROD	1	С
5	5215112	RJ-45LP EXTENSION ARM TUBE ASSEMBLY	1	G
6	5746035	RJ-45LP SCISSOR PIN ROLLER TUBE	1	С
7	5746034	RJ-45LP SCISSOR PIN	1	С
8	5746044	RJ45W SCISSOR CHANNEL SPACER	2	Е
9	5746033	RJ-45LP SHORT SCISSOR PIN	1	С
10	5731122	RJ-45LP SAFETY	1	С
11	5701072	RJ-45LP SAFETY HANDLE	1	С
12	5215697	RJW BASE ARM SPRING ROLLER PLATE ASSEMBLY	2	Е
13	5570806	RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS	1	Е
14	5585732	AIR HYDRAULIC PUMP YELLOW RJ45W PSI:4600	1	В
15	5530132	HHB 3/8"-16 x 2-1/4" GR8/CL 10.9	1	-
16	5545130	WASHER 3/8" SL	1	-
17	5530738	HHB M10 x 1.5 x 25	4	-
18	5530054	SSS M10x1.5x12	1	-
19	5530055	SSS M6x1x10	2	-
20	5535013	NUT M10 x 1.5 NL	4	-
21	5540109	E RING Ø16mm OD DIN 6799 0160	4	-
22	5550493	FTG RST -04 JIC x -06 NPT x .062 ID	1	-
23	5550086	FTG ELB -04 NPT x -04 JIC	1	-

DATE

DRAWN CA 02/18/2020 CHECKED OR 08/19/2022 THIRD ANGLE PROJECTION TITLE:

NAME

RJ-45LP LIFT SUPERSTRUCTURE

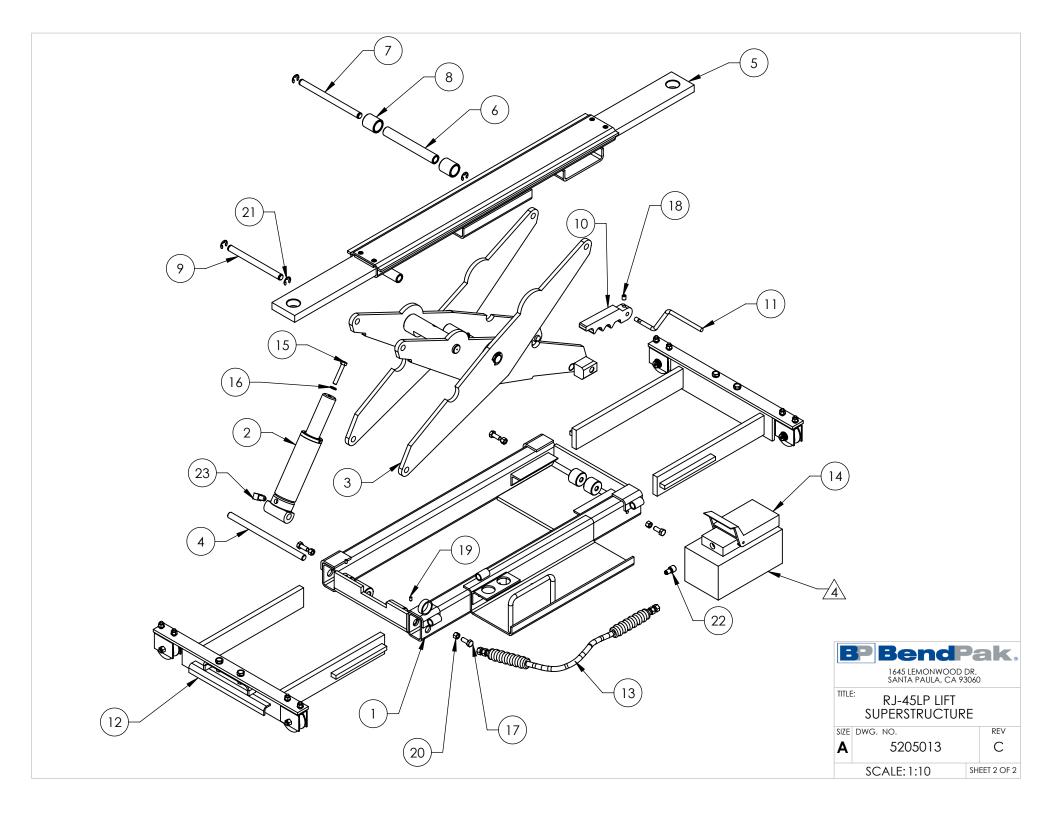
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS
THE SOLE PROPERTY OF BENDFAK INC. ANY
REPRODUCTION IN PART OR AS A WHOLE WITHOUT
THE WRITTEN PERMISSION OF BENDPAK INC. IS
PROHIBITED.

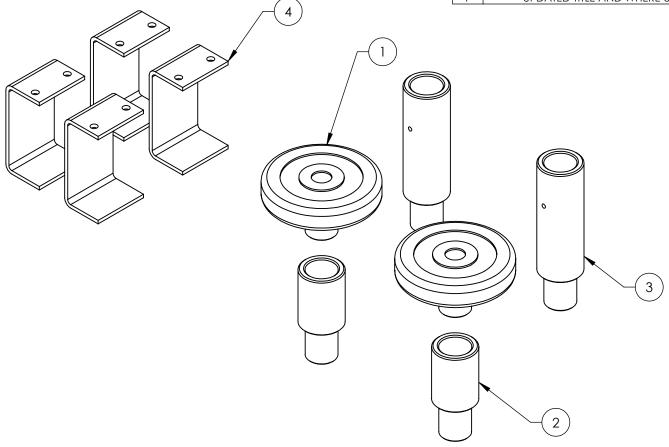
SIZE DWG. NO. REV С 5205013

SCALE: 1:10

SHEET 1 OF 2



	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	ADDED 5580012, UPDATED NEXT ASSEMBLY	02/25/2020	CA	01146
Е	REMOVED 5580012, UPDATED TITLE AND NEXT ASSEMBLIES	09/30/2020	TM	01213
F	UPDATED TITLE AND WHERE USED	04/06/2021	TM	01293



5260194

5260283 5260284

5260610

5260638

5260639

WHERE USED
DJ-4500
DJ-6000W
RJ-45LP
RJ45W
RJ6W
R I7W

SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5215507	ROUND LIFT PAD ADAPTER ASSEMBLY	2	G
2	5746390	MEDIUM LIFT PAD EXTENSION Ø35 x 113mm	2	Е
3	5746395	LONG LIFT PAD EXTENSION Ø35 x 182mm	2	D
4	5701543	RJW SPRING PLATE SAFETY BRACKET	4	D

DO NOT SCALE DRAWING NAME DATE DRAWN TS 12/04/2018 CHECKED OR 04/12/2021 NEXT ASSEMBLY DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:



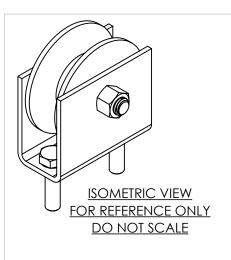
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DJ-4500/6000W, RJW PARTS BOX

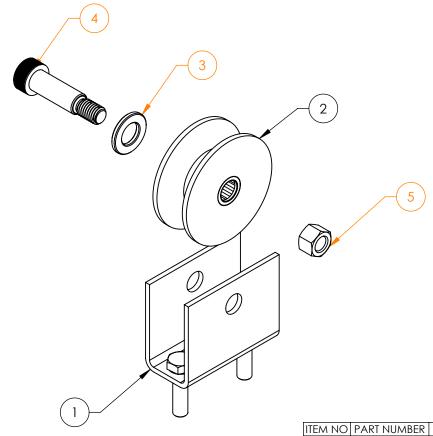
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

SIZE DWG. NO. REV 5250271

SCALE: 1:4 SHEET 1 OF 1



	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
С	WAS WELDED NOW ASSEMBLED, REMOVED 5505063, ADDED 5545347, 5530347, 5535013, UPDATED TITLE TO REFLECT MARKETING, UPDATED BOM REVISIONS	12/05/2018	TS	01038
D	REPLACED 5701254 WITH 5601393	06/06/2019	TM	01093
Е	REPLACED 5530347 WITH 55303370	02/18/2020	CA	01120



WHERE USED
RJ-45LP
RJ45W
RJ6W

RJ7W

NOTE: UNLESS OTHERWISE SPECIFIED.

ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5215697
5215816

ſ	ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
	1	5601393	RJW ROLLER BRACKET WELDMENT	1	Α
ſ	2	5575040	RJW ROLLER ASSEMBLY	1	С
Ī	3	5545347	WASHER, M12 FLAT WASHER	1	
ĺ	4	5530370	SHSS M10 x 1.50 x 32mm SHOULDER	1	
ſ	5	5535013	NUT M10 x 1.5 NI	1	

DO NOT SCALE DRAWING NAME DATE DRAWN TS 12/08/2017 CHECKED OR 03/04/2020 DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:



THE INFORMATION CONTIDENTIAL
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1645 LEMONWOOD DR. SANTA PAULA, CA 93060

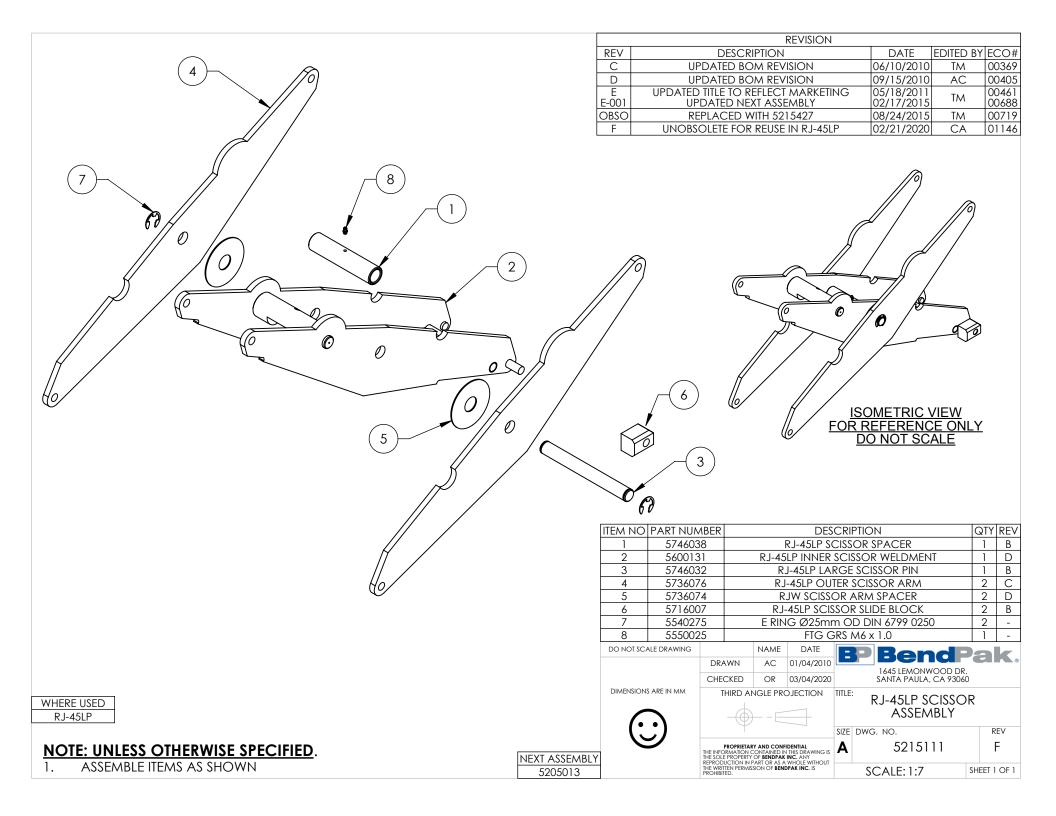
RJW ROLLER BRACKET **ASSEMBLY**

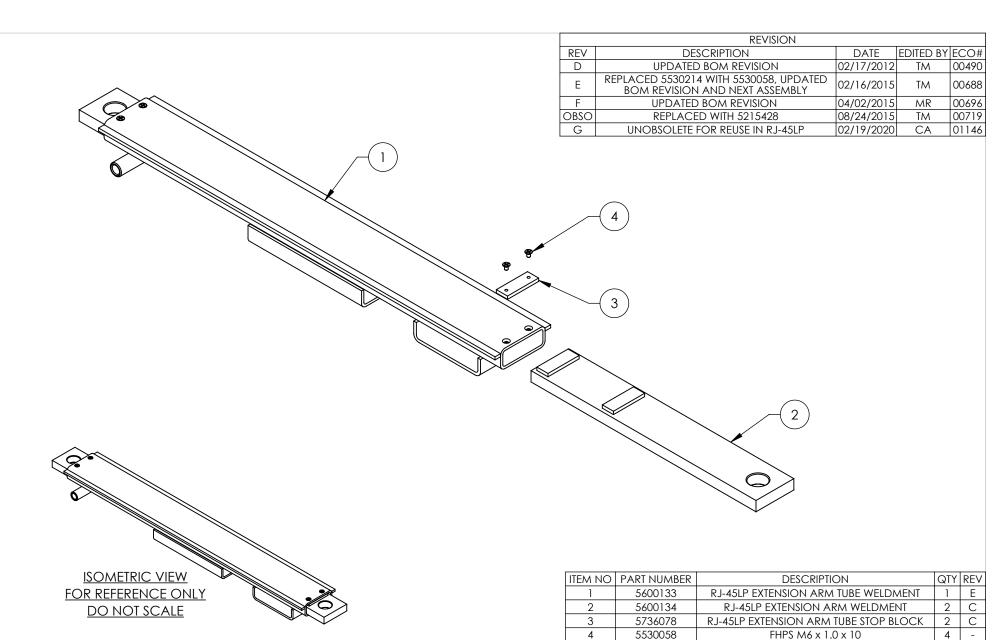
REV

Ε

SIZE DWG. NO. 5210165

SCALE: 1:2 SHEET 1 OF 1





WHERE USED RJ-45LP

NOTE: UNLESS OTHERWISE SPECIFIED.

ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY 5205013

DO NOT SCALE DRAWING NAME DATE DRAWN AC 01/04/2009 CHECKED OR 03/04/2020 DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION TITLE:

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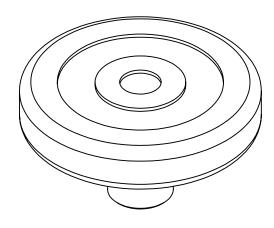
RJ-45LP EXTENSION ARM TUBE ASSEMBLY

1645 LEMONWOOD DR. SANTA PAULA, CA 93060

SIZE DWG. NO.

5215112 G SHEET 1 OF 1 SCALE: 1:6

REV



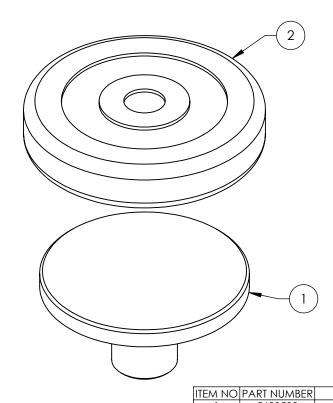
ISOMETRIC VIEW FOR REFERENCE ONLY DO NOT SCALE

WHERE USED				
QUICKJACK SERIES	MAXJAX			
P9000 SERIES	D2-10 SERIES			
MD-6XP	DMR-6			
DMR-6	D2-8F			
SP-7XE SERIES	HD-7BXT ACCY			
GP-7 SERIES				
RJ-45LP				
RJW SERIES				
RBJ7000A				

NOTE: UNLESS OTHERWISE SPECIFIED.

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING ASSEMBLE ITEMS AS SHOWN
- 2.

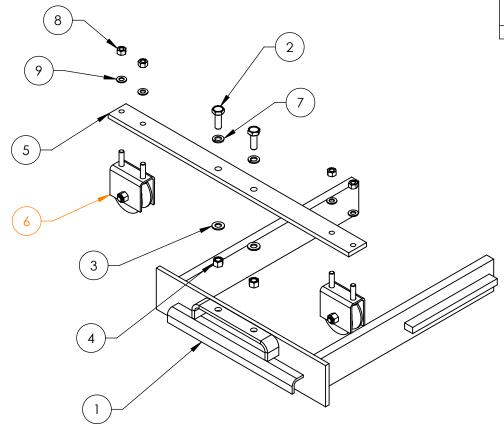
	REVISION						
REV	DESCRIPTION	DATE	EDITED BY	ECO#			
E E-001 E-002 E-003 E-004 E-005 E-006 E-007	UPDATE BOM REVISION AND NEXT ASSEMBLY UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLY	12/19/2012 03/14/2013 06/21/2013 10/16/2014 03/24/2015 08/06/2015 11/24/2016 01/21/2016 05/25/2017	MR JM TM	00572 00586 00605 00663 00691 00715 00738 00739 00833			
E-009	UPDATED NEXT ASSEMBLY	09/12/2017	TM	00867			
F	UPDATED BOM REVISION	02/02/2018	TS	00922			
G	UPDATED BOM REVISION AND NEXT ASSEMBLY	05/31/2018	TM	00953			



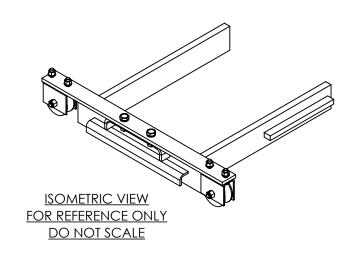
	1	560058	8		RC	DUND LIFT	PA	D WELDMENT	1	C
	2	571501	7	ROU	ND LIFT	PAD ADA	\PTE	R POLYURETHANE PAD	1	Е
NEVE ACCELUDIN	DO NOT SC	ALE DRAWING			NAME	DATE	-	Bonde		
NEXT ASSEMBLY 5150561 5250273			DR	AWN	AC	12/30/2010	_	P BendP		
5210163 5250273			СПЕ	CKFD	CA	06/18/2018		1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
5210194 5250293	DIMENSION	S ARE IN MM				, . ,	.,			
5210214 5250297	DIMENSION	5 7 (KE 114 74114)		IHIKD AI	NGLE PRO	DJECTION	TITLE: ROUND LIFT PAD)	
<u>5215865</u> <u>5250298</u>							ADAPTER ASSEMBLY			
5215866 5250316	/	•)		4						
5216062		ار					SIZE	DWG. NO.	R	REV
5250080 5250328					Y AND CONF		Δ	5215507	- (G
5250115 5250331			THE SOI	E PROPERTY	OF BENDPAK	THIS DRAWING IS INC. ANY WHOLE WITHOUT	۲`	32.3337		•
5250128 5250373 5250271 5250374	-			ITTEN PERMIS	SION OF BEN E			SCALE: 1:2	SHEET 1	OF 1
32302/ T 32303/ T								0 07 (221 112		

DESCRIPTION

QTY REV



	REVISION						
REV	DESCRIPTION	DATE	EDITED BY	ECO#			
С	REMOVED 5701543, UPDATD TITLE TO REFLECT MARKETING, UPDATED BOM REVISIONS AND NEXT ASSEMBLY	12/05/2018	TS	01038			
D	REPLACED 5545005 WITH 5545012, 5535357 WITH 5535001, REMOVED 5530756 AND 5545026, UPDATED BOM REVISOINS	06/06/2019	TM	01093			
Е	UPDATED BOM REVISION AND NEXT ASSEMBLY	02/24/2020	CA	01146			



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5620292	RJW BASE EXTENSION ARM SPRING ROLLER PLATE WELDMENT	1	С
2	5530021	HHB, M10 x 1.5 x 30	2	
3	5545341	WASHER M10 x Ø20 FLAT	2	
4	5535013	NUT M10 x 1.5 NL	2	
5	5737039	RJW SPRING PLATE	1	D
6	5210165	RJW ROLLER BRACKET ASSEMBLY	2	E
7	5545200	WASHER M10 x Ø18 SL	2	
8	5535001	NUT M8 x 1.25 NL	4	
9	5545012	WASHER, M8x16x1.6mm FLAT	4	
DO NOT SCA	LE DRAWING	NAME DATE		

	DRAWN	TS	12/06/2017
	CHECKED	OR	03/04/2020
DIMENSIONS ARE IN MM	THIRD AN	NGLE PRO	DJECTION
\bigcirc	-		

RJW BASE ARM SPRING **ROLLER PLATE ASSEMBLY**

1645 LEMONWOOD DR. SANTA PAULA, CA 93060

SIZE DWG. NO. PROPRIETARY AND CONFIDENTIAL
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PROHBITED. 5215697 Е SCALE: 1:6 SHEET 1 OF 1

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING ASSEMBLE ITEMS AS SHOWN
- 2.

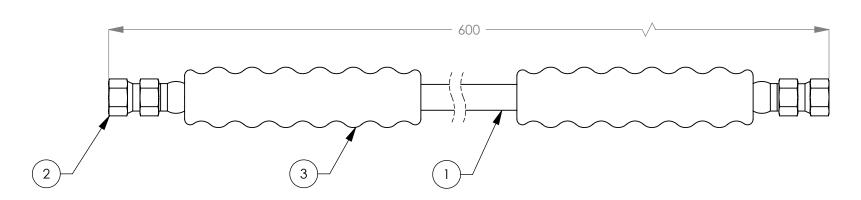
WHERE USED

RJ-45LP RJ45W

RJ7W

NEXT ASSEMBLY
5205008
5205011
5205013

	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
C C-001	UPDATED 5570171 TO SHOW ROUTING UPDATED NEXT ASSEMBLIES	03/17/2015 08/21/2015		00692 00719
D	UPDATED TITLE AND NEXT ASSEMBLIES	02/29/2016	CA	00739
Е	UPDATED TITLE TO REFLECT MARKETING, UPDATED NEXT ASSEMBLIES	12/28/2018	TS	01038



WHERE USED
RJ-45LP
RJ45W
RJ7W
RJ9W
RBJ7000A
RBJ4500 BYB
RBJ15000
RBJ18000
RBJ25000

2 5550325 FTG NPL Ø1/4 CRIMP x -04 JIC 2	REV	QIY	no pari number	IIIEM NO
	า* -	534mm*	5570171	1
2 5570027 HOSE BEND DESTRICTOR	-	2	5550325	2
5 3370037 HOSE BEIND RESTRICTOR Z	-	2	5570037	3

NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- 2. 3. 4.
- LENGTH SHOWN IS AFTER SWAGING
 ITEM 1 QTY FOR REFERENCE ONLY
 10,000 PSI / 700 BAR WORKING PRESSURE
- 5. 40,000 PSI / 2800 BAR MIN. BURST PRESSURE

NEXT ASSEMBLY	DO NOT SCALE DRAWING		NAME	DATE		3P BendP	
5205005		DRAWN	AC	01/16/2010			
5205006	DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5	CHECKED	CA	04/24/2019		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
5205007		THIRD ANGLE PROJECTION			RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS		
5205008							
5205009	$0.0 = \pm 0.5$						
5205010	SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES				SIZE	DWG. NO.	REV
5205011	UNLESS OTHERWISE SPECIFIED	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY EPPRODUCTION IN PART OR AS A WHOLE WITHOUT		Α	5570806	F	
5205012					3370000		
5205013			ION OF BENDPAK INC. IS		SCALE: 1:2		SHEET 1 OF 1



PART SPECIFICATION FORM STANDARD

BENDPAK Number:	5900093
MRP Description:	RJW SERIES MANUAL
Date:	10/27/2020
ECO:	

1. Engineering Specification

Application:

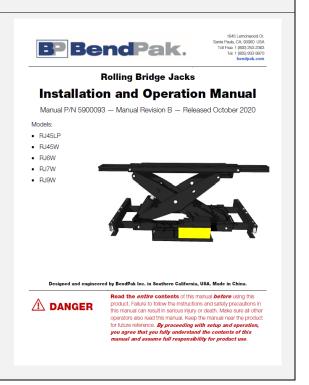
INSTALLATION MANUAL

Detailed Description:

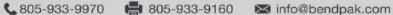
Print Settings for BendPak Manuals

Unless otherwise specified, use these settings for printing BendPak manuals:

- Color: Black and White.
- Size: A4 (210 to 297 mm), 8.5 by 11 inches (216 to 279 mm), or between
- Binding: Saddle stitched
- Paper: 100 to 120 gsm (27 to 32 pound), uncoated

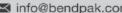


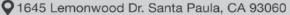
2. Vendor Information (Or for Reference)								
Approved Vendor	Vendor Part #	Contact #	Preferred Vendor					
1)								
OR BENDPAK ENGINEERING APPROVED EQUIVALENT								











www.bendpak.com













RJ-W Series (45, 6, 7, 9) & RJ45LP Label Positioning





SERVICE REQUIREMENT
EVERY 30-DAYS
Keep entire jack and pump unit clean and fr
of debris. Lubricate both sides of all movi

purpose lithium based grease, penetrating oil or 90-wt gear oil. Use enough lubrication to properly maintain all moving parts, but avoid over application. Apply silicone lubricant to smaller items such as handles and lock hinges. Always promptly repuse excess grease and debris from uck unit and pump unit. If you choose to have its equipment serviced by a service technician, ways perform a personal inspection of all points be sure nothing was overlooked. Warranty will e vold on this equipment if service maintenance not performed on a regular basis.



PN 5905552

Rolling_Jack_Service_Warning_Decal.pdf:

Size: 11"W x 1"H

Material: White Vinyl Pressure Sensitive Adhesive

Thickness: 4 Mil

Ink: U.V. protected CMYK 4/C Process

Finish: Polished

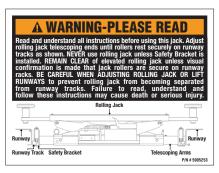
Print Process: Offset Lithography - 200 line-screen

or 300 p.p.i. for digital

Lamination: Clear-gloss over-laminate for abrasion,

chemical, and ultra violet protection

B



PN 5905253

PN 5905156

Rolling Jack Warning Decal.pdf:

Size: 4"W x 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

USE DRY AIR SOURCE ONLY Warranty will be void on this equipment if water contamination is found apparent. ALWAYS drain air compressor tank daily or use in-line dryer. SERVICE PARTS AND LABOR NOT COVERED UNDER WARRANTY IF RUST OR CORROSION IS PRESENT. The pump unit on this jack was not designed to be used as a load holding device, jack must be raised to a locked position at all times. The manufacturer recommends installing an automatic air line oiler in the air inlet line as close to the pumping unit as possible. Air pressure must be regulated to 125 PS.I MAX. Pump unit must be kept clean to prevent contamination and pressure loss.

Warning_Dry_Air_Label.pdf: Size: 7"W x 3.5"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

C

AWARNING

IMPROPER USE OF THIS ROLLING JACK MAY RESULT IN SERIOUS BODILY HARM!

Always ensure that this rolling jack is positioned correctly on the runway rail assembly BEFORE raising the lift or working on or near the vehicle. KEEP HANDS CLEAR of all pinch points. NEVER use lift adapters other than those specifically designed for this jack.

 $Warning_Improper_Use_Label.pdf:$

PN 5905190

Size: 4"W x 2.5"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



2020_Serial_Tag-E-5905150.pdf:

PN 5905150

Size: 3"W x 3"H

Material: 2 Mil. Gloss polyester thermal transfer label with a high performance permanent acrylic adhesive.

Ink: 1 Color-Black