Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK

RJ9W

PRODUCT SKU **5175252**

DRAWING Nº

5260286

CATEGORY

Rolling Bridge Jack

REV

Version J

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

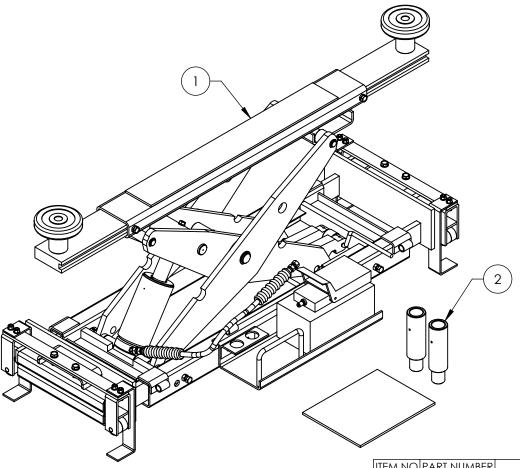
Domestic Sales & Service

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#
G	ADDED 5905775 AND 5906044	09/03/2021	CA	01322
П	REPLACED LABELS WITH COLORS & GRAPHICS NOTE, REPLACED 5940054 WITH PACKAGING INSTRUCTION NOTE	09/29/2021	СА	01348
J	UPDATED BOM REVISION	08/17/2022	TM	01438



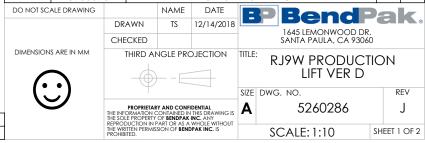
WHERE USED

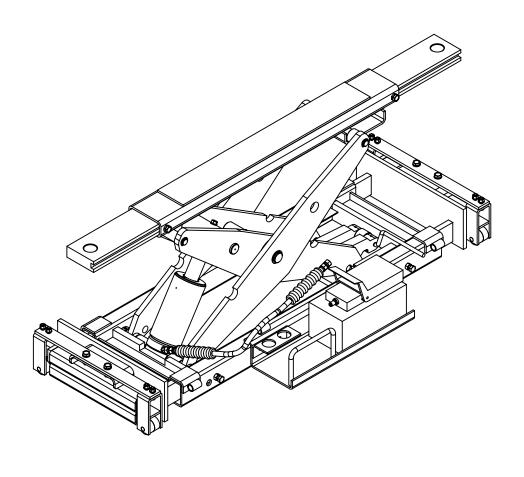
HDS-18 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5205012	RJ9W LIFT SUPERSTRUCTURE	1	О
2	5250273	RJ9W PARTS BOX	1	О
-	5900093	RJW SERIES MANUAL	1	





WHERE USED
RJ9W

NOTE: UNLESS OTHERWISE SPECIFIED.

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

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/ 4. \

AIR HYDRAULIC PUMP MUST BE INSTALLED USING THE INCLUDED BOLTS

NEXT ASSEMBLY 5260286

	REVISION						
REV	DESCRIPTION	DATE	EDITED BY	ECO#			
В	UPDATED BOM REVISION	06/07/2019	TM	01093			
С	UPDATED BOM REVISION	11/06/2020	CA	01230			
D	UPDATED BOM REVISION	08/17/2022	TM	01438			

			_	
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601039	RJ9W BASE WELDMENT	1	G
2	5215439	RJW SCISSOR ASSEMBLY	1	J
3	5502012	CYLINDER ASSEMBLY Ø3.0 x 4.375	1	F
4	5210138	RJW EXTENSION ARM TUBE ASSEMBLY	1	С
5	5570806	RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS	1	Е
6	5746374	RJW CYLINDER HINGE ROD	1	D
7	5746375	rjw short scissor pin	1	В
8	5746376	RJW SCISSOR PIN	1	В
9	5746377	RJW SCISSOR PIN ROLLER TUBE	1	С
10	5746378	RJW SCISSOR CHANNEL SPACER	2	В
11	5731039	RJW SAFETY LATCH	2	Н
12	5701136	DJ-6000W, RJ6W/7W/9W SAFETY HANDLE	1	G
13	5530132	HHB 3/8"-16 x 2-1/4" GR8/CL 10.9	1	
14	5545130	WASHER 3/8" SL	1	
15	5530302	HHB M10 x 1.5 x 40 FULLY THREAD	4	
16	5535998	NUT M10 x 1.5	4	
17	5550038	FTG 45ELB -04 JIC x -04 NPT	1	
18	5585734	AIR HYDRAULIC PUMP YELLOW RJ9W PSI:7000	1	
19	5540109	E RING Ø16mm OD DIN 6799 0160	4	
20	5530790	SSS M6 x 1 x 10 NL	4	
21	5550493	FTG RST -04 JIC x -06 NPT x .062 ID	1	
22	5210197	RJ9W ARM EXTENSION ASSEMBLY	2	В

DRAWN TS 12/11/2018

CHECKED OR 08/19/2022

THIRD ANGLE PROJECTION TITLE:

NAME

SIZE DWG. NO.

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

DATE

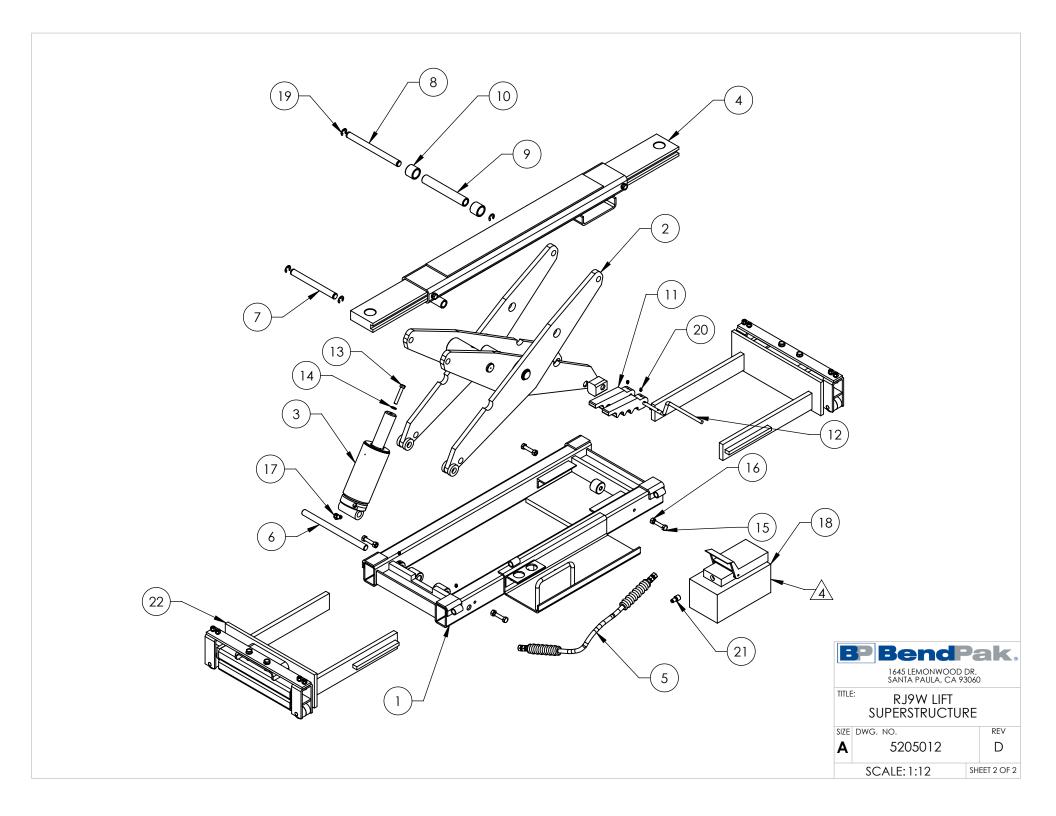
SIZE DWG. NO. REV D

\$CALE: 1:10 SHEET 1 OF 2

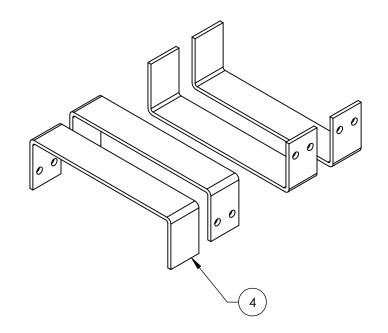
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

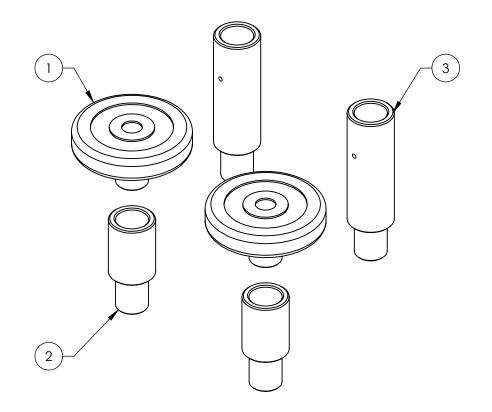
DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



		REVISION			
	REV	DESCRIPTION	DATE	EDITED BY	ECO#
	В	UPDATED BOM REVISION	06/07/2019	TM	01093
[С	ADDED 5580012	02/26/2020	CA	01146
[D	REMOVED 5580012	09/03/2020	TM	01213





	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
ĺ	3	5746395	LONG LIFT PAD EXTENSION Ø35 x 182mm	2	D
Ī	4	5701555	RJ9W SPRING PLATE SAFETY BRACKET	4	В

DO NOT SCALE DRAWING		NAME	DATE	BP BendPak	-
	DRAWN	TS	11/16/2017	1645 LEMONWOOD DR.	n. ®
	CHECKED	OR	10/02/2020	SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM	THIRD AN	IGLE PRO	DJECTION	TITLE:	
\bigcirc	-	E		RJ9W PARTS BOX	
				SIZE DWG. NO. REV	

WHERE USED RJ9W

NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY 5260286

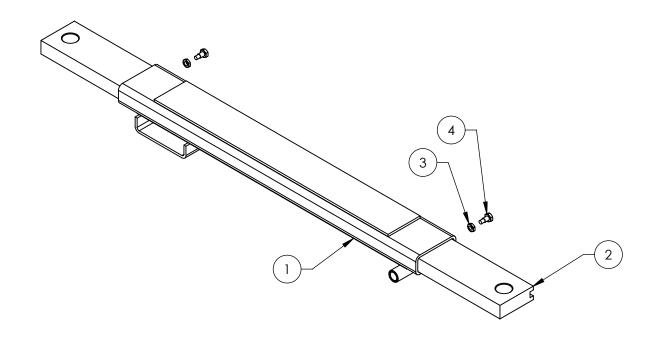
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS BRAWNING IS
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THE WINDOWS OF BENDPAK INC. ANY
THE WINDOWS OF BENDPAK INC. IS

5250273

SCALE: 1:4 SHEET 1 OF 1

D

	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
Α	PRODUCTION RELEASE, DERIVED FROM 5210151	08/21/2015	TM	00719
В	REPLACED 5601030 WITH 5735547, (2) 5530181 WITH 5530283, REMOVED 5735549, 5545026, (2) 5530181, UPDATED BOM REVISIONS	01/14/2016	TM	00739
С	UPDATED TITLE TO REFLECT MARKETING, UPDATED BOM REVISIONS AND NEXT ASSEMBLIES	12/07/2018	TS	01038



NEXT ASSEMBLY 5205009

5205010

5205011

5205012

WHERE USED
RJ6W
RJ7W
RJ9W
RBJ7000A

NOTE: UNLESS OTHERWISE SPECIFIED.

ASSEMBLE ITEMS AS SHOWN

ITEM NO	PART NUMBER	number Description G		REV
1	5601029	RJW UPPER ARM RECEIVER TUBE WELDMENT		С
2	5735547	rjw extension arm bar	2	С
3	5535035	NUT M10 x 1.5 JN	2	
4 5530283		HEX BOLT M10 EXTENDED POINT	2	Α
				$\overline{}$

DO NOT SCALE DRAWING DATE NAME DRAWN 08/21/2015 CHECKED CA 01/08/2019 DIMENSIONS ARE IN MM

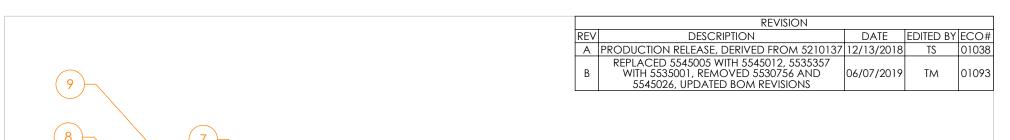


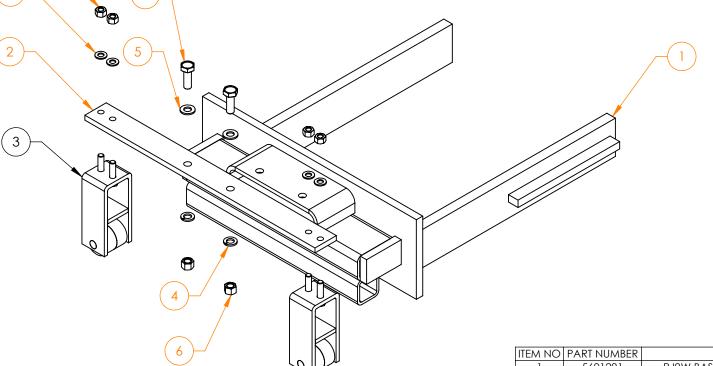
PROPRIETARY AND CONFIDENTIAL
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THE WRITTEN PERMISSION OF BENDPAK INC. IS
PROHIBITED.



RJW EXTENSION ARM TUBE ASSEMBLY

SIZE DWG. NO. REV 5210138 С SCALE: 1:8 SHEET 1 OF 1





ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601291	RJ9W BASE EXTENSION ARM WELDMENT	1	Α
2	5737086	RJ9W SPRING PLATE	1	В
3	5601292	RJ9W ROLLER BRACKET ASSEMBLY WELDMENT	2	В
4	5545023	WASHER M10 SL	2	
5	5545341	WASHER M10 x Ø20 FLAT	2	
6	5535013	NUT M10 x 1.5 NL	2	
7	5530021	HHB, M10 x 1.5 x 30	2	
8	5545012	WASHER, M8x16x1.6mm FLAT	4	
9	5535001	NUT M8 x 1.25 NL	4	

DO NOT SCALE DRAWING NAME DATE **BP BendPak.** DRAWN TS 12/10/2018 1645 LEMONWOOD DR. SANTA PAULA, CA 93060 CHECKED CA 06/10/2019 DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:

PROPRIETARY AND CONFIDENTIAL
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THE WRITTEN PERMISSION OF BENDPAK INC. IS
PROHIBITED.

RJ9W ARM EXTENSION **ASSEMBLY**

SIZE DWG. NO. 5210197 REV В

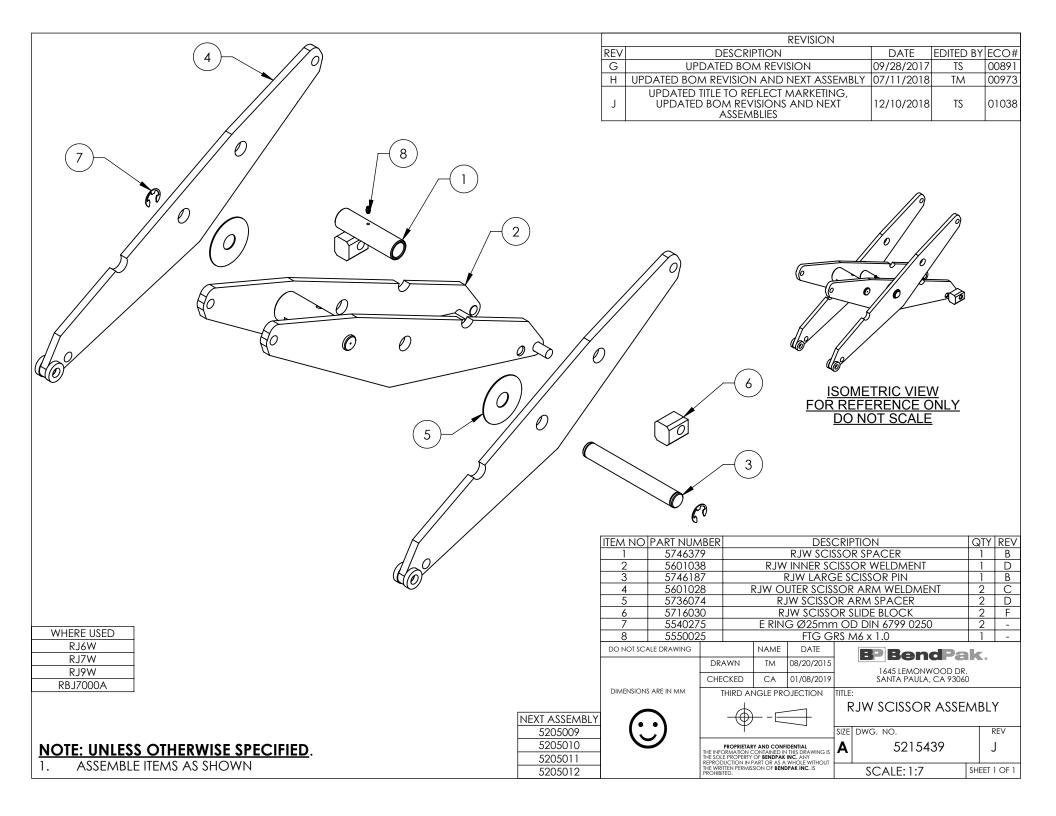
SCALE: 1:5 SHEET 1 OF 1

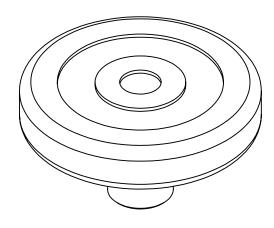
WHERE USED RJ9W

NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY 5205012





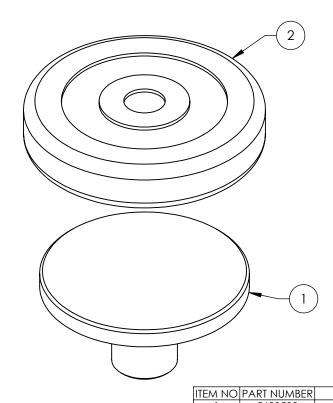
ISOMETRIC VIEW FOR REFERENCE ONLY DO NOT SCALE

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						

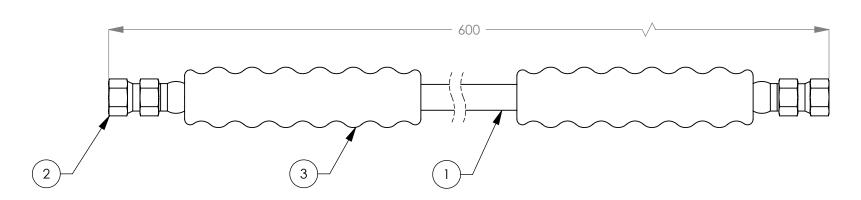


	1	560058	8	ROUND LIFT PAD WELDMENT		1	C			
2 57		571501	7 ROUND LIFT PAD ADA		APTER POLYURETHANE PAD		1	Е		
		ALE DRAWING			NAME	DATE	-	Bonde		
NEXT ASSEMBLY			DR	AWN	AC	12/30/2010	_	P BendP		
5210163 5250273	5150561 5250273 5210143 5250288		СПЕ	CKFD	CA	06/18/2018		1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
5210194 5250293	DIMENSIONS ARE IN MM					, . ,				
5210214 5250297	DIMENSIONS / IKE II V WIWI		THIRD ANGLE PROJECTION		TITLE	ROUND LIFT PAD)			
<u>5215865</u> <u>5250298</u>								ADAPTER ASSEMB	ΙY	
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		۲`	32.3337		•
5250128 5250373 5250271 5250374		THE WR	REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		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#
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	IIEM NO PARI NUMBER	
	า* -	534mm*	1 5570171	
2 5570027 HOSE BEND DESTRICTOR	-	2	2 5550325	2
5 3370037 HOSE BEIND RESTRICTOR Z	-	2	3 5570037	

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		P BendP		
5205005		DRAWN	DRAWN AC 01/16/2010					
5205006		CHECKED	CA	04/24/2019		1645 LEMONWOOD DR SANTA PAULA, CA 9306		
5205007	DIMENSIONS ARE IN MM	THIRD ANGLE PROJECTION			TITLE: RJW SERIES HOSE ASSY			
5205008	TOLERANCES: 0. = ±1.5							
5205009						Ø6.4mm x 600mm DS		
5205010	SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES	P			SIZE	DWG. NO.	REV	
5205011	UNLESS OTHERWISE SPECIFIED	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IT THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLF WITHOUT			Α	5570806	F	
5205012				INC. ANY	$\overline{}$	3370000		
5205013			HE WRITTEN PERMISSION OF BEND			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:

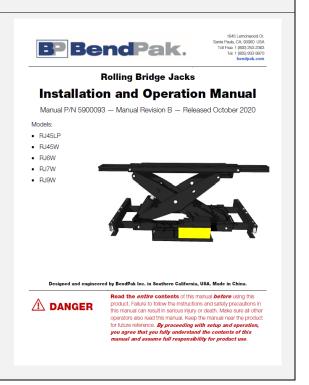
INSTALLATION MANUAL

Detailed Description:

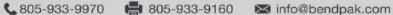
Print Settings for BendPak Manuals

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

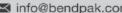


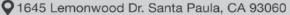
2. Vendor Information (Or for Reference)										
Approved Vendor Vendor Part # Contact # Preferred Vendor										
1)	1)									
OR BENDPAK ENGINEERING APPROVED EQUIVALENT										











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 promotily remove excess grease and debris from

ck 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 void 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

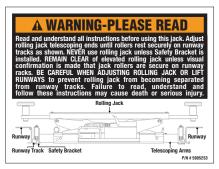
Finish: Polished

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

D

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.J 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

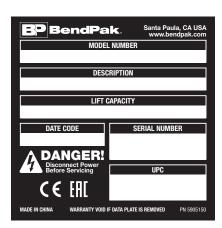
Finish: Polished

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