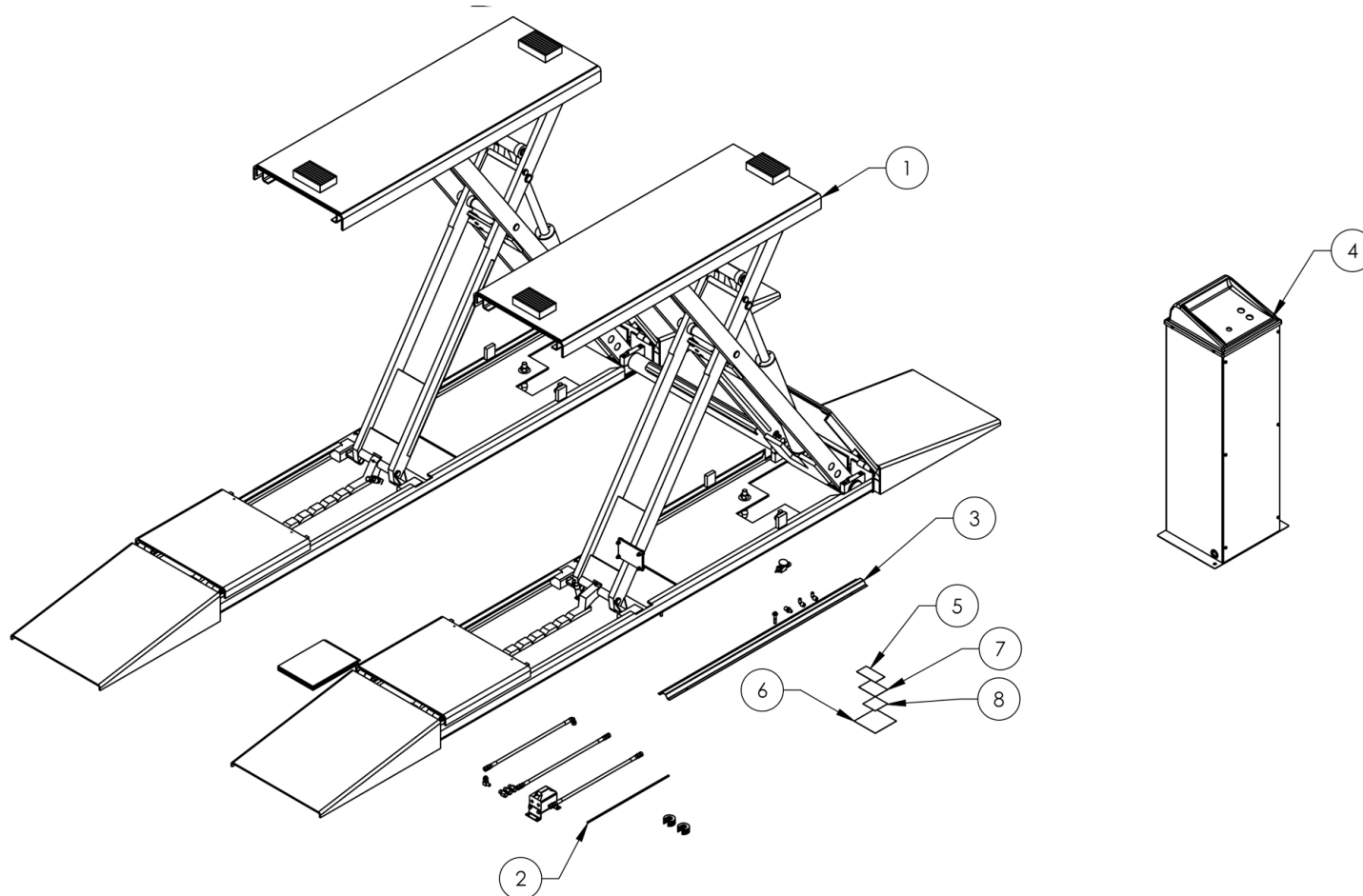


Service Manual

Service Parts & Diagrams

SP-7X

BendPak SKU 5260231
SP-7X Production Lift
Version C
01/12/17



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

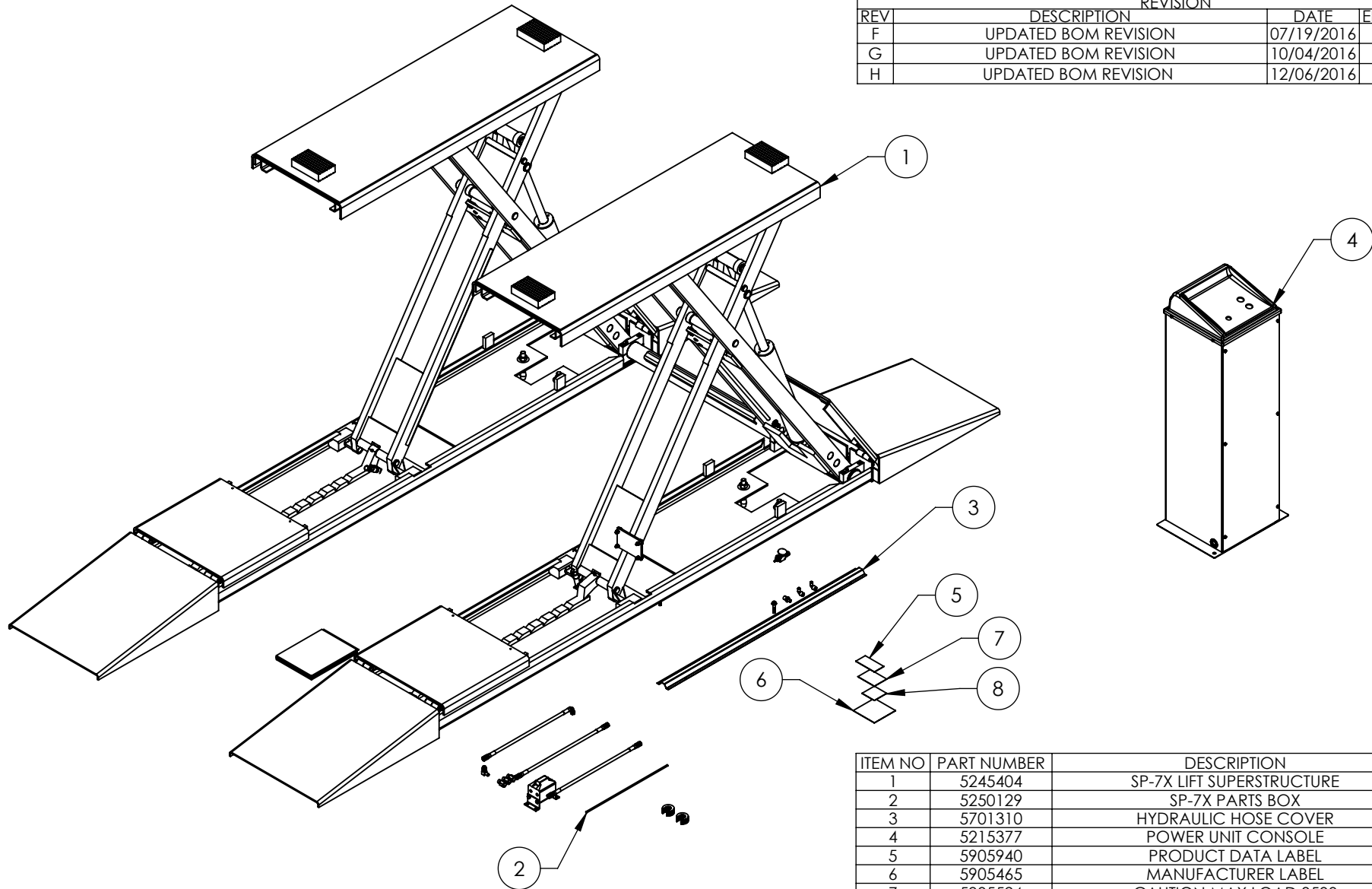
Domestic Sales & Service

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

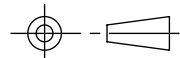
International Sales & Service

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

		REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#	
F	UPDATED BOM REVISION	07/19/2016	TM	00770	
G	UPDATED BOM REVISION	10/04/2016	TS	00781	
H	UPDATED BOM REVISION	12/06/2016	DB	00792	



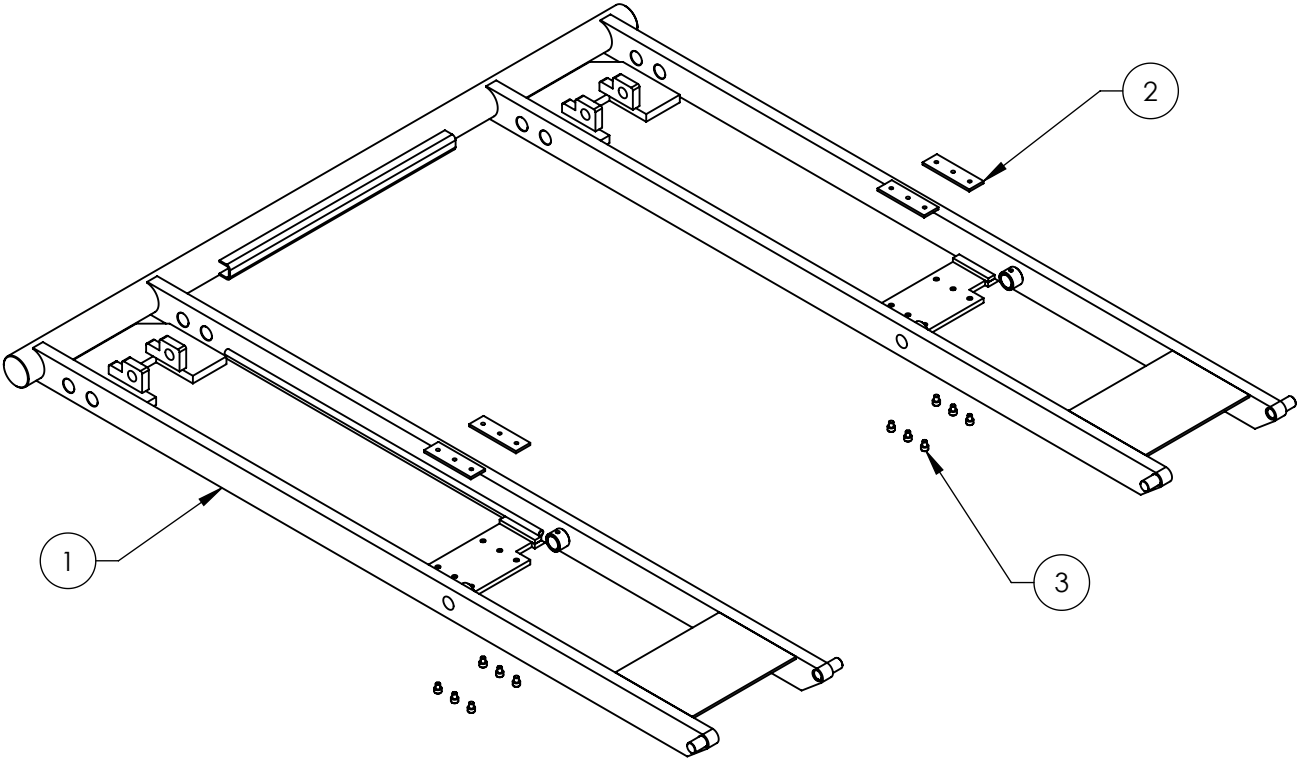
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245404	SP-7X LIFT SUPERSTRUCTURE	1	D
2	5250129	SP-7X PARTS BOX	1	P
3	5701310	HYDRAULIC HOSE COVER	1	B
4	5215377	POWER UNIT CONSOLE	1	G
5	5905940	PRODUCT DATA LABEL	1	--
6	5905465	MANUFACTURER LABEL	1	--
7	5905524	CAUTION MAX LOAD 3500	1	--
8	5905951	5905951-2015_Serial_Tag-B	1	--

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. WORKING AUTOMATIC SERVICE EQUIPMENT SANTA PAULA, CA 93060			
DIMENSIONS ARE IN MM		DRAWN	TM				11/04/2014
		CHECKED	DB				12/6/2016
		THIRD ANGLE PROJECTION			TITLE: SP-7X PRODUCTION LIFT VER C		
					SIZE DWG. NO.		REV
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			A 5260231		H
					SCALE: 1:25		SHEET 1 OF 3

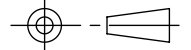
NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	02/22/2012	MT	00498
F	UPDATED BOM REVISION	08/01/2012	TM	00537
F-001	UPDATED NEXT ASSEMBLY	11/05/2014	TM	00656
G	UPDATED BOM REVISION	02/15/2016	TM	00748



ITEM NO	PART NUMBER	DESCRIPTION		QTY	REV
1	5600253	SP-7X OUTER ARM WELDMENT		1	G
2	5736221	SP-7X CYLINDER GUIDE WEAR PLATE		4	A
3	5530143	SHCS M10 x 1.5 x 12 CL12.9		12	-

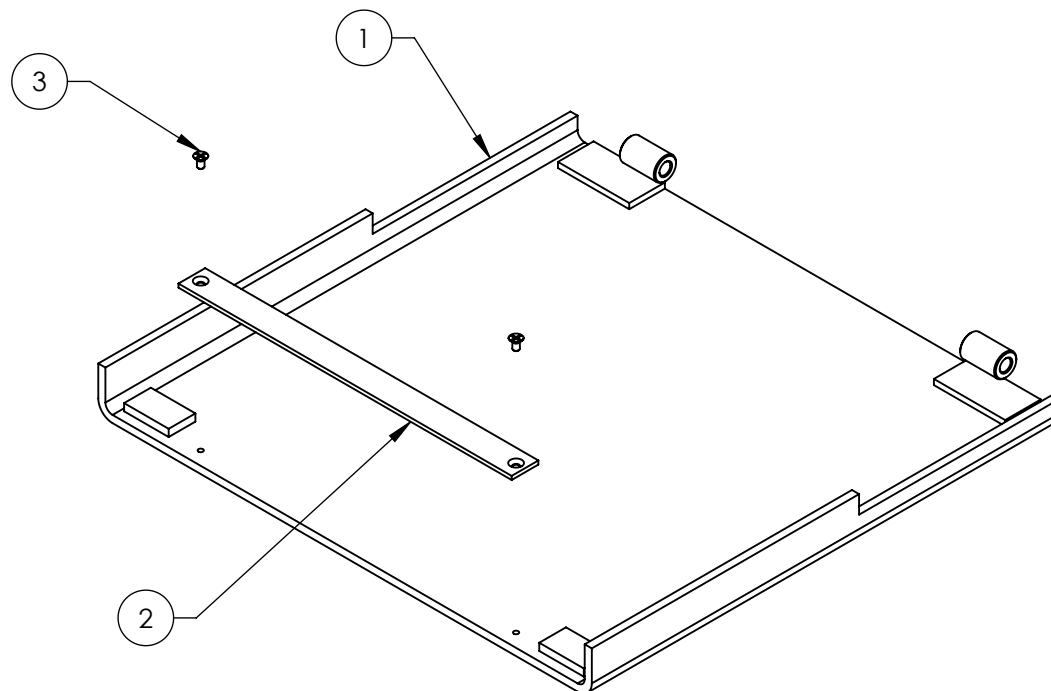
DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060 MOVING AUTOMOTIVE SERVICE SOLUTIONS	
 DIMENSIONS ARE IN MM	DRAWN	TM	02/13/2009		
	CHECKED	CA	02/15/2016		
	THIRD ANGLE PROJECTION			TITLE: SP-7X OUTER ARM ASSEMBLY	
					
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				SIZE DWG. NO.	REV
				A 5215256	G
SCALE: 1:16					SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.

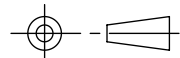
1. ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5245102
5245404

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM T1310	02/05/2009	TM	00233



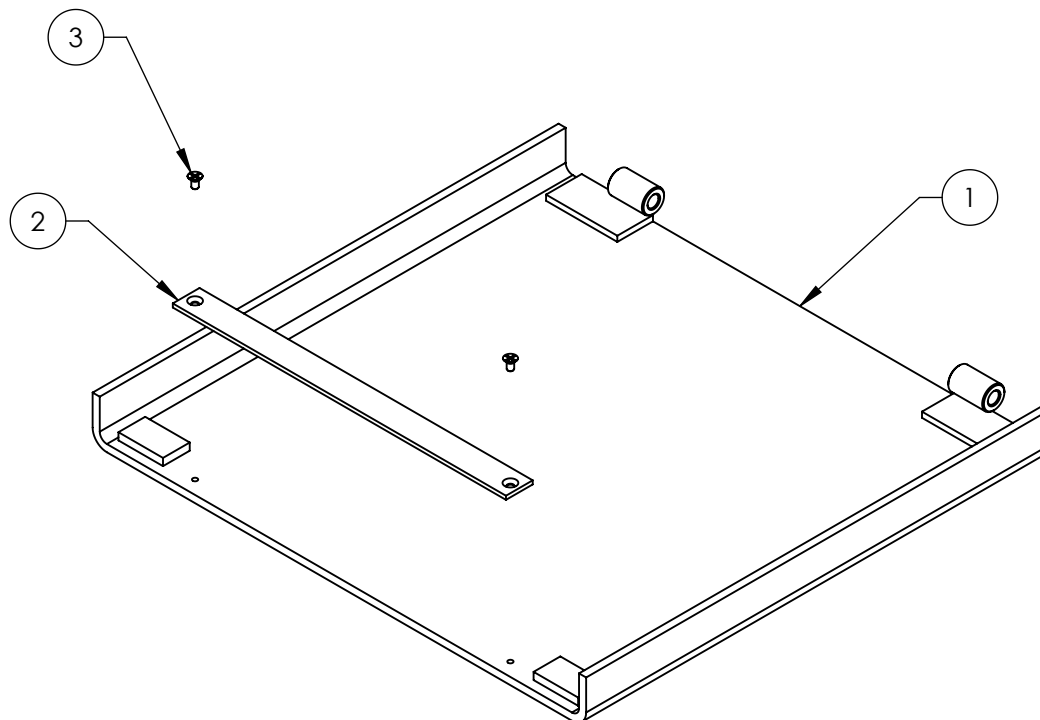
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600241	SP-7X RAMP COVER WELDMENT CYLINDER SIDE	1	A
2	5716017	SP-7X RAMP WEAR BLOCK	1	A
3	5530142	FHPS M6 x 1.0 x 8	2	-

DO NOT SCALE DRAWING		NAME		DATE		 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM		DRAWN	TM	02/05/2009		TITLE: SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE		
		CHECKED	AC	02/27/2009				
		THIRD ANGLE PROJECTION						
MATERIAL: ---						SIZE DWG. NO.		REV
SIZE: ---		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				A 5215260		A
						SCALE: 1:6		SHEET 1 OF 1

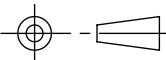
NOTE: UNLESS OTHERWISE SPECIFIED.

NEXT ASSEMBLY
5245129

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM T1311	02/05/2009	TM	00233
A-001	UPDATED NEXT ASSEMBLIES	11/05/2014	TM	00656



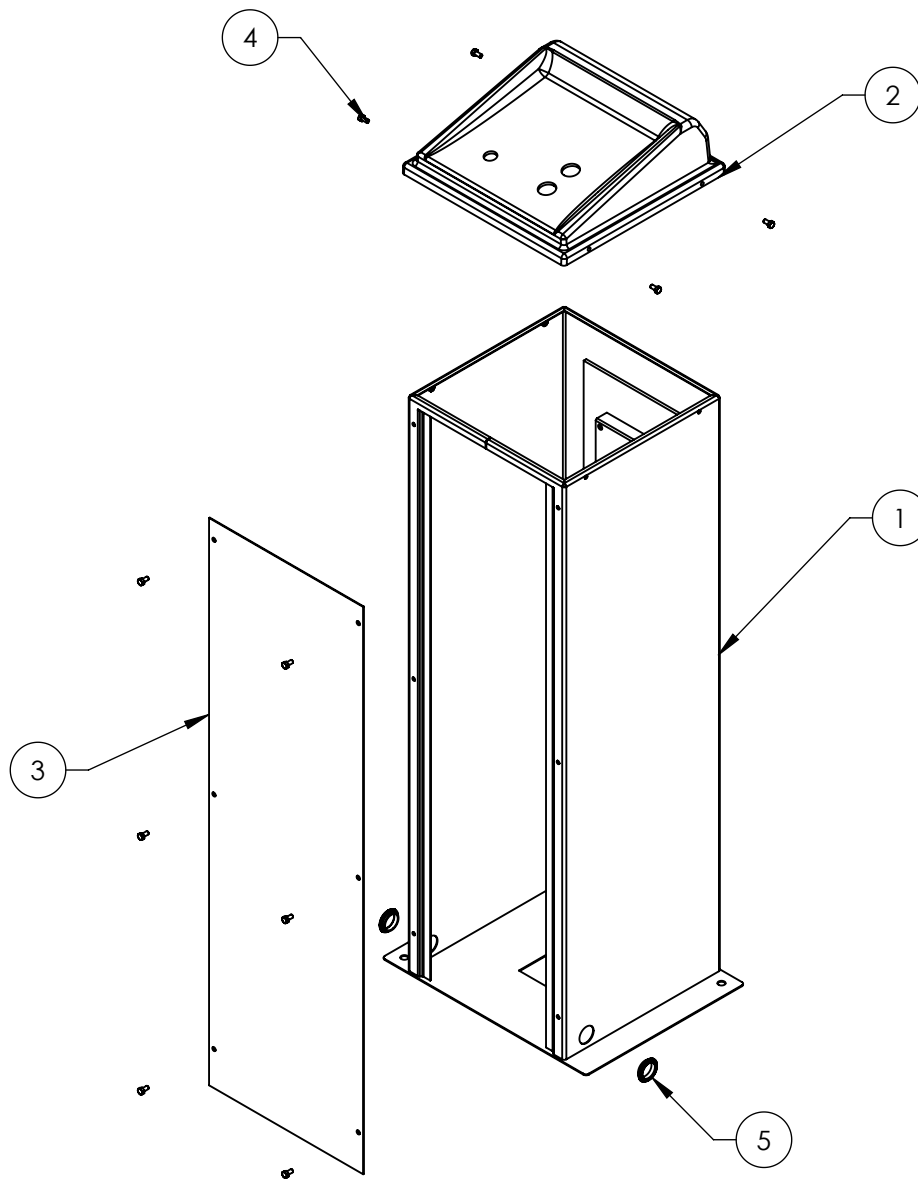
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600242	SP-7X RAMP COVER WELDMENT SAFETY SIDE	1	A
2	5716017	SP-7X RAMP WEAR BLOCK	1	A
3	5530142	FHPS M6 x 1.0 x 8	2	-

DO NOT SCALE DRAWING		NAME		DATE		 BendPak. MOVING AUTOMATIC SERVICE SOLUTIONS 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM		DRAWN		TM 02/05/2009			
		CHECKED					
		THIRD ANGLE PROJECTION				TITLE: SP-7X RAMP COVER ASSEMBLY SAFETY SIDE	
						SIZE DWG. NO. REV	
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				A 5215261 A	
		SCALE: 1:6				SHEET 1 OF 1	

NEXT ASSEMBLY
5245102
5245404

NOTE: UNLESS OTHERWISE SPECIFIED.

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISIONS	08/31/2015	TM	00714
F	ADDED 5520001	12/24/2015	TM	00721
G	REPLACED 5520001 WITH 5520329	12/06/2016	DB	00792

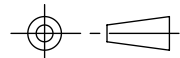


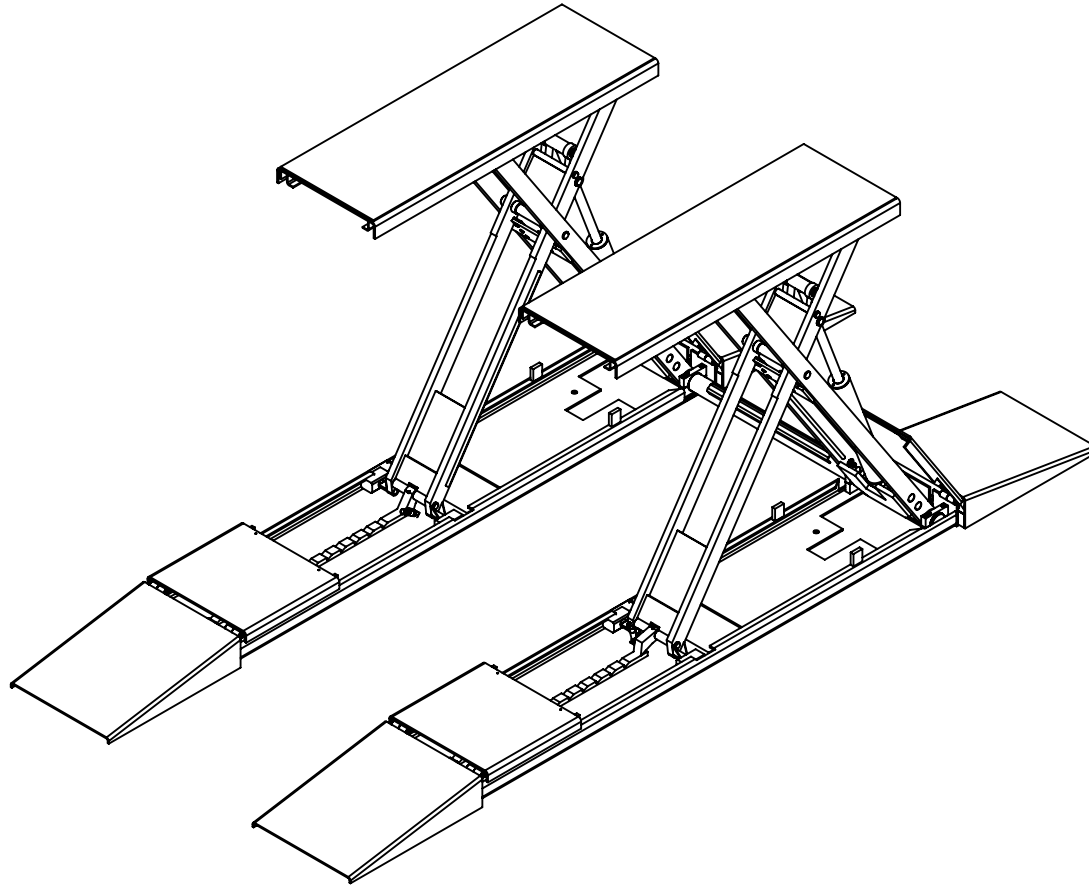
NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN
2. TAPE ANCHOR BOLTS TO THE INSIDE OF CONTROL CONSOLE FOR SHIPPING

NEXT ASSEMBLY
LIFT ACCESSORIES
5260053
5260231

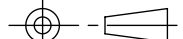
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600482	POWER UNIT CONSOLE WELDMENT	1	E
2	5716018	POWER UNIT CONSOLE COVER	1	B
3	5736191	SP-7X POWER UNIT CONSOLE DOOR	1	A
4	5530031	HHB M6 x 1 x 12	10	B
5	5520329	GROMMET GRO-1.25-UL CAPPLUGS	2	--

DO NOT SCALE DRAWING		NAME		DATE		 1645 LEMONWOOD DR. SANTA PAULA, CA 93060					
DIMENSIONS ARE IN MM 		DRAWN		MT		04/30/2010					
		CHECKED		DB		12/06/2016					
		THIRD ANGLE PROJECTION						TITLE: POWER UNIT CONSOLE			
CS								SIZE DWG. NO.		REV	
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.						A 5215377		G	
								SCALE: 1:12			



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
B	UPDATED BOM REVISION	04/03/2015	MR	00698
C	UPDATED BOM REVISION	12/21/2015	JM	00721
D	ADDED 5530108 and 5575145, REMOVED 5540015, UPDATED BOM REVISION	02/15/2016	TM	00748

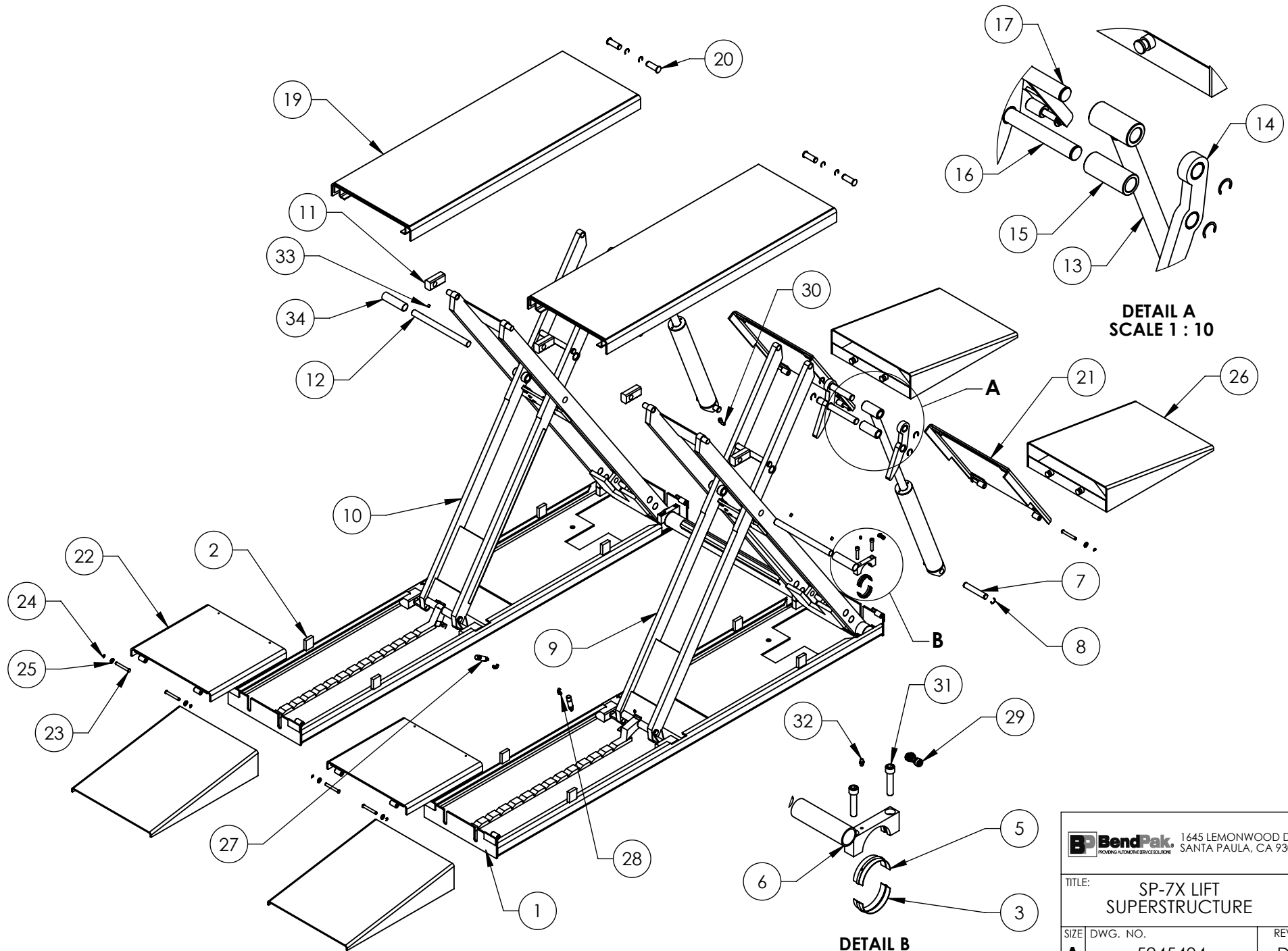
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600928	SP-7 SERIES BASE WELDMENT RIGHT	1	A
2	5600927	SP-7 SERIES BASE WELDMENT LEFT	1	A
3	5565355	SP-7X BOTTOM ARM JOINT BUSHING	4	A
4	5215256	SP-7X OUTER ARM ASSEMBLY	1	G
5	5565354	SP-7X TOP ARM JOINT BUSHING	4	A
6	5736194	SP-7X ARM JOINT TOP BLOCK	4	A
7	5746614	SP-7X CYLINDER CLEVIS PIN	2	A
8	5540006	SNAP RING TRUARC 5103-100	8	-
9	5215254	SP-7X RIGHT HAND INNER ARM ASSEMBLY	1	D
10	5215255	SP-7X LEFT HAND INNER ARM ASSEMBLY	1	D
11	5716155	SP-7X SLIDE BLOCK TOP	4	A
12	5505711	SP-7X MAIN SCISSOR PIVOT PIN	2	B
13	5502180	CYLINDER ASSEMBLY Ø3 x 20	2	C
14	5600247	SP-7X CYLINDER GUIDE WELDMENT	4	B
15	5755005	SP-7X CYLINDER GUIDE SPACER	2	A
16	5505022	SP-7X CYLINDER GUIDE PIVOT PIN	2	A
17	5746613	SP-7X CYLINDER LIFT PIN	2	A
18	5540015	C RING Ø30mm OD TRUARC 5103-118	8	-
19	5600265	SP-7X RAMP WELDMENT	2	D
20	5746610	SP-7X RAMP ANCHOR PIN	4	A
21	5215260	SP-7X RAMP COVER ASSEMBLY CYLINDER SIDE	2	A
22	5215261	SP-7X RAMP COVER ASSEMBLY SAFETY SIDE	2	A
23	5505716	SP-7X RAMP COVER HINGE PIN	8	A
24	5540116	TRUARC Ø12mm 5103-50	8	-
25	5545347	WASHER, M12 FLAT WASHER	8	-
26	5600263	SP-7X DRIVE UP RAMP WELDMENT	4	A
27	5502196	AIR CYLINDER, Ø.75 x 0.5" STROKE	2	-
28	5550410	FTG ELB 1/4 TUBE INS 1/8 NPT	2	-
29	5550489	FTG TEE 1/4-1/4-1/4 TUBE INS	1	-
30	5550106	FTG ELB -04 JIC-06 NPT	2	-
31	5530129	SHCS M12 x 1.75 x 55	8	-
32	5550025	FTG GRS M6x1	6	-
33	5530054	SSS M10x1.5x12	4	-
34	5755145	TUBE, Ø40 x Ø38 x 140mm	2	A

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM		DRAWN	TM	11/04/2014		
		CHECKED	CA	02/15/2016		
		THIRD ANGLE PROJECTION			TITLE: SP-7X LIFT SUPERSTRUCTURE	
					SIZE DWG. NO.	REV
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. , ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			A 5245404	D
		SCALE: 1:30			SHEET 1 OF 2	

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5260231



BendPak 1645 LEMONWOOD DR.
SANTA PAULA, CA 93060
HYDRATIC AUTOMATIC BRIDGE SOLUTIONS

TITLE: SP-7X LIFT
SUPERSTRUCTURE

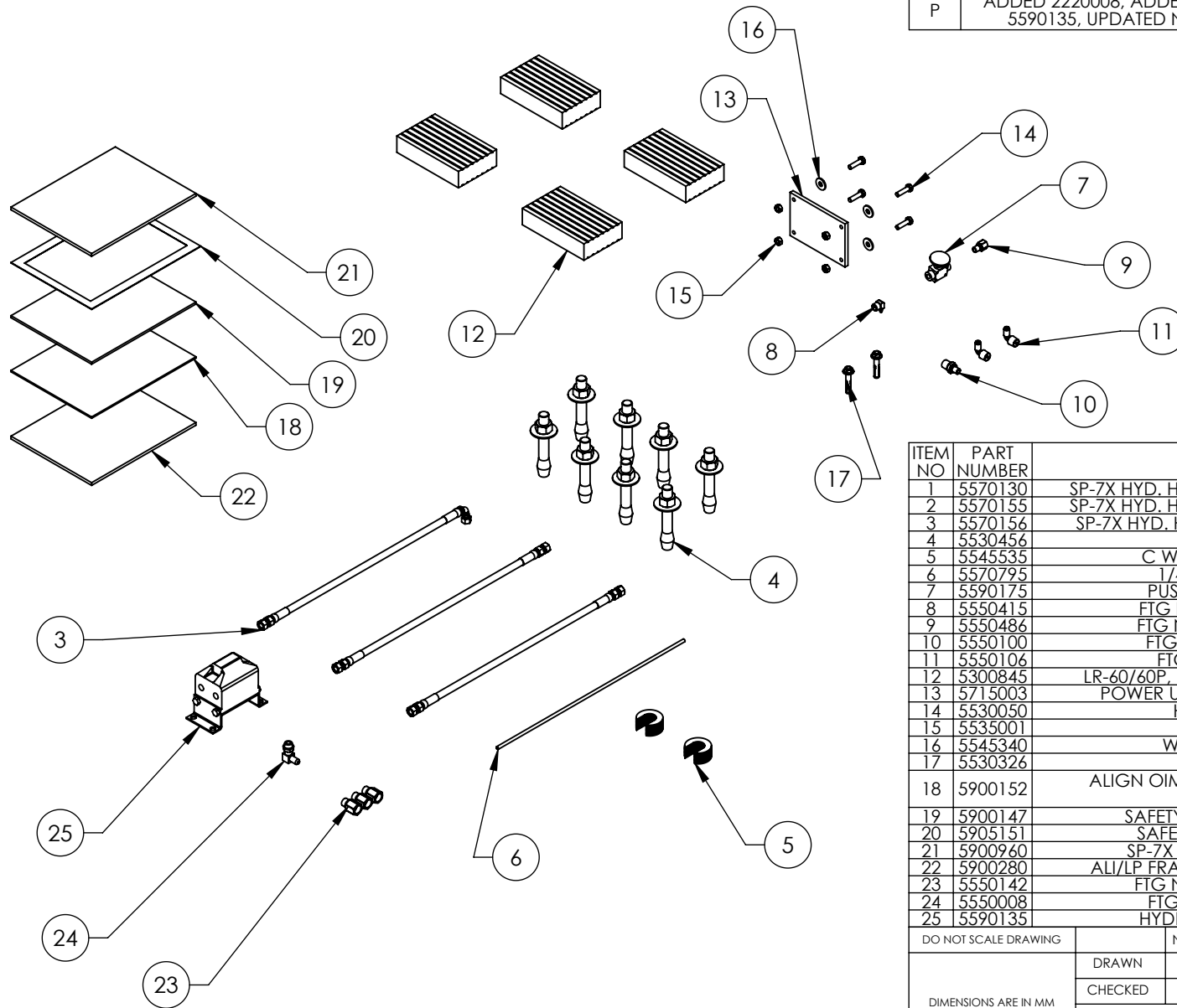
SIZE DWG. NO.
A 5245404

REV
D

SCALE: 1:25

SHEET 2 OF 2

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
M	REMOVED 5905940, 5905524, 5930609, AND 5905465	01/14/2016	TM	00721
N	REPLACED 5900109 WITH 5900960	07/19/2016	TM	00770
P	ADDED 2220008, ADDED 5550142, ADDED 5590135, UPDATED NEXT ASSEMBLIES	10/04/2016	TS	00781



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570130	SP-7X HYD. HOSE ASSY Ø6.35 x 3350mm DS	1	B
2	5570155	SP-7X HYD. HOSE ASSY Ø6.35 x 4675mm DS	1	B
3	5570156	SP-7X HYD. HOSE ASSY Ø6.35 x 740mm SB	1	B
4	5530456	AB 3/4" x 4 - 3/4"	8	-
5	5545535	C WASHER SHIM FOR LIFTS	20	-
6	5570795	1/4" POLY-FLO TUBING	10820mm*	-
7	5590175	PUSH BUTTON AIR VALVE	1	-
8	5550415	FTG ELB -04 NPT x -04 BARB	1	-
9	5550486	FTG NPL -02 NPT x -04 F NPT	1	-
10	5550100	FTG NPL -04 JIC x -06 NPT	1	-
11	5550106	FTG ELB -04 JIC-06 NPT	2	-
12	5300845	LR-60/60P, P-6 38mm (1.5") RUBBER PAD	4	A
13	5715003	POWER UNIT VIBRATION DAMPENER	1	B
14	5530050	HHB M8 x 1.25 x 30	4	-
15	5535001	NUT M8 x 1.25 NL	4	-
16	5545340	WASHER M8 x24 FLAT	4	-
17	5530326	AB Ø3/8" x 2-1/4"	2	-
18	5900152	ALIGN OIM OPERATION INSPECTION & MAINTENANCE	1	-
19	5900147	SAFETY MANUAL ALI / SM 93-1	1	-
20	5905151	SAFETY TIPS CARD ALI-ST 90	1	-
21	5900960	SP-7X INSTALLATION MANUAL	1	-
22	5900280	ALI/LP FRAME ENGAGING LIFTS GUIDE	1	-
23	5550142	FTG NPL -06 ORB x -06 F NPT	3	A
24	5550008	FTG ELB -04 JIC -06L ORB	1	A
25	5590135	HYDRAULIC FLOW DIVIDER	1	A

DO NOT SCALE DRAWING

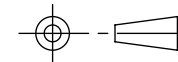
DIMENSIONS ARE IN MM



NEXT ASSEMBLY
5260053
5260231

NAME	DATE
DRAWN TM	02/27/2009
CHECKED DB	12/5/2016

THIRD ANGLE PROJECTION



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

BendPak 1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: SP-7X PARTS BOX

SIZE	DWG. NO.	REV
A	5250129	P

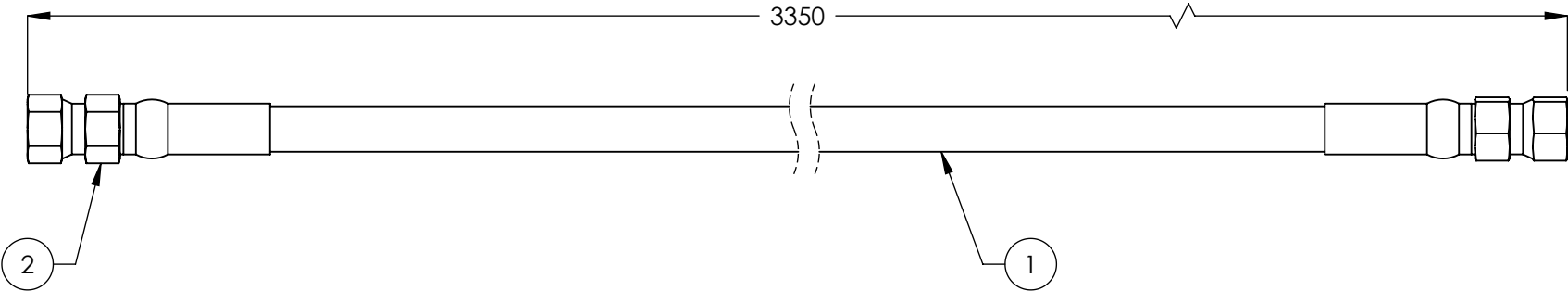
SCALE: 1:12

SHEET 1 OF 1

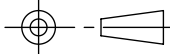
NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. (*) LENGTH FOR REFERENCE ONLY

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5570033	09/02/2009	AC	00296
B	REPLACED 5570110 WITH 5570129	11/11/2014	TM	00656



ITEM NO	PART NUMBER	DESCRIPTION		QTY	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE		3284mm*	-
2	5550325	FTG NPL Ø1/4 CRIMP x -04 JIC		2	-

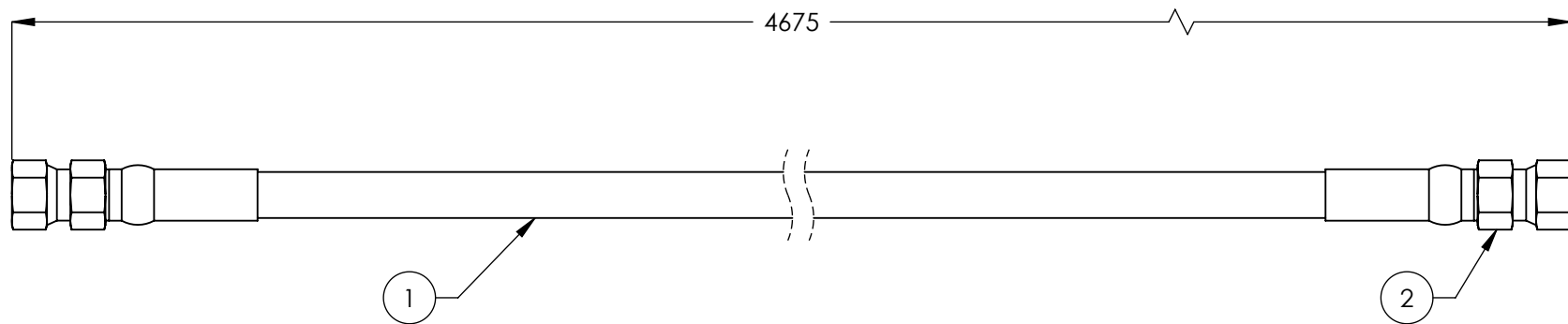
DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060 HYDRAULIC AUTOMOTIVE SERVICE EQUIPMENT
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±1.0 0.00 = ±0.25 0.000 = ±0.13 ANGULAR: MACH±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	DRAWN	AC	09/02/2009	
	CHECKED			
	THIRD ANGLE PROJECTION			TITLE: SP-7X HYD. HOSE ASSY Ø6.35 x 3350mm DS
				
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				SIZE DWG. NO. REV
				A 5570130 B
SCALE: 1:2				SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.

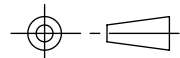
- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- (*)ITEM 1 QTY FOR REFERENCE ONLY

NEXT ASSEMBLY
5250129

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5570851	09/02/2009	AC	00296
B	REPLACED 5570110 WITH 5570129	11/11/2014	TM	00656



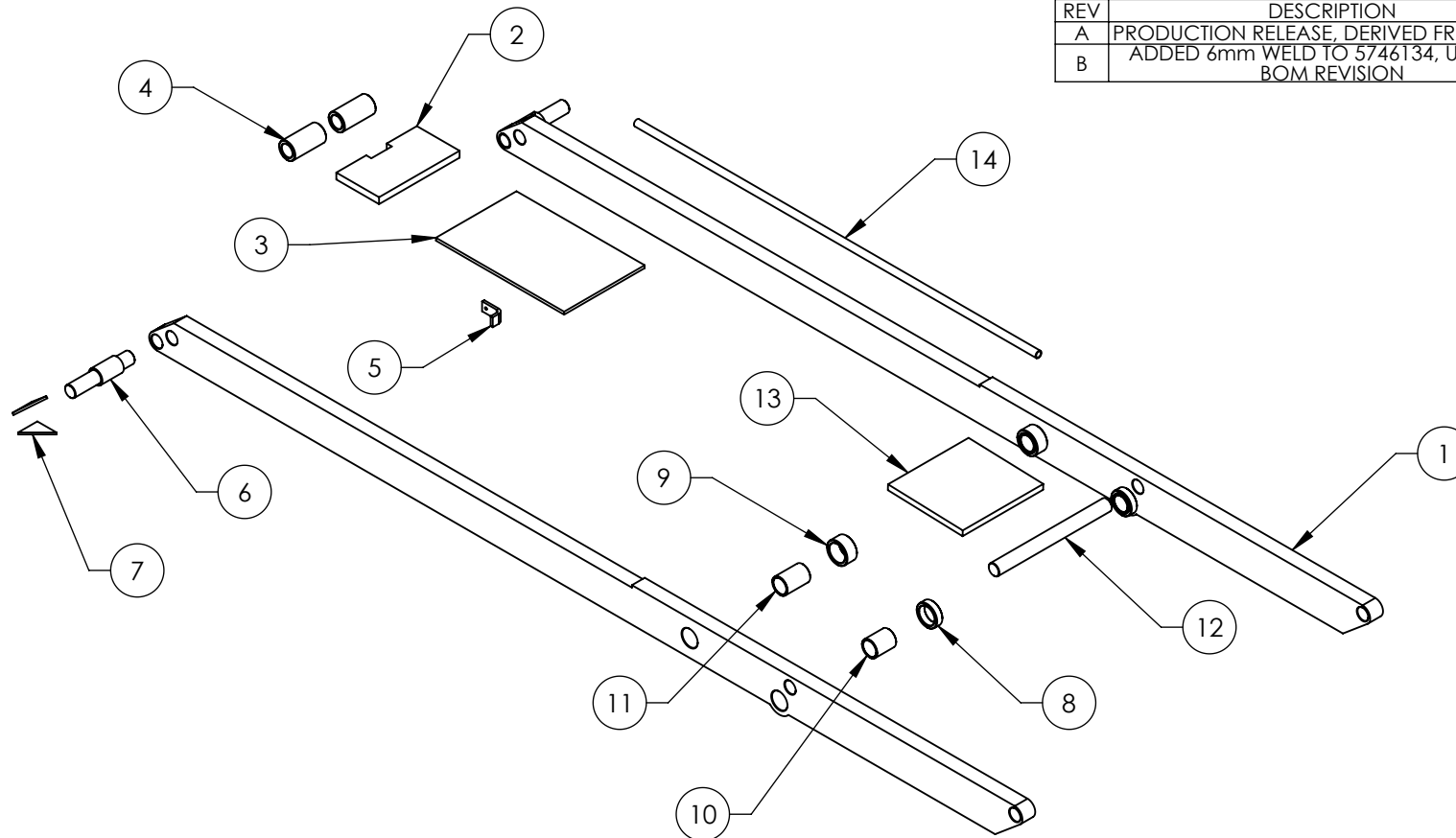
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE	4637mm*	-
2	5550325	FTG NPL Ø1/4 CRIMP x -04 JIC	2	-

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. MOVING AUTOMATIC BRIDGE SOLUTIONS 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±1.0 0.00 = ±0.25 0.000 = ±0.13 ANGULAR: MACH ±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	AC			09/02/2009
		CHECKED				
		THIRD ANGLE PROJECTION			TITLE:	
					SP-7X HYD. HOSE ASSY Ø6.35 x 4675mm DS	
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			SIZE	
Y					DWG. NO.	REV
					A	5570155
					SCALE: 1:2	SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- (*)ITEM 1 QTY FOR REFERENCE ONLY

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM T1364	02/12/2009	TM	00233
B	ADDED 6mm WELD TO 5746134, UPDATED BOM REVISION	08/01/2012	TM	00537



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5736216	SP-7X INNER SCISSOR ARM	2	A
2	5736214	SP-7X BOTTOM FILLER BLOCK	1	A
3	5735457	SP-7X LONG SUPPORT PLATE	1	A
4	5756012	SP-7X SAFETY SPACER	2	A
5	5701120	SP-7X SAFETY SPRING ANCHOR	1	A
6	5746016	SP-7X SLIDE BLOCK PIN	2	A
7	5736211	SP-7X ARM GUSSET	4	A
8	5746133	SP-7X SCISSOR ARM SPACER	2	A
9	5755041	SP-7X PIVOT PIN COLLAR	2	A
10	5565347	BUSHING 36 x 30 x 45 BR OI	2	A
11	5565348	BUSHING 36 x 30 x 54 BR OI	2	A
12	5746134	SP-7X CYLINDER LIFT PIN	1	B
13	5735458	SP-7X CYLINDER LIFT PLATE	1	A
14	5755045	SP-7X AIR SAFETY TROUGH	1	A

DO NOT SCALE DRAWING		NAME	DATE
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED MATERIAL: -- SIZE: --		DRAWN TM 02/12/2009 CHECKED MT 08/13/2012	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
THIRD ANGLE PROJECTION		TITLE: SP-7X RIGHT HAND INNER ARM WELDMENT	
NEXT ASSEMBLY 5215254		SIZE DWG. NO. A 5600248	REV B
SCALE: 1:12		SHEET 1 OF 2	

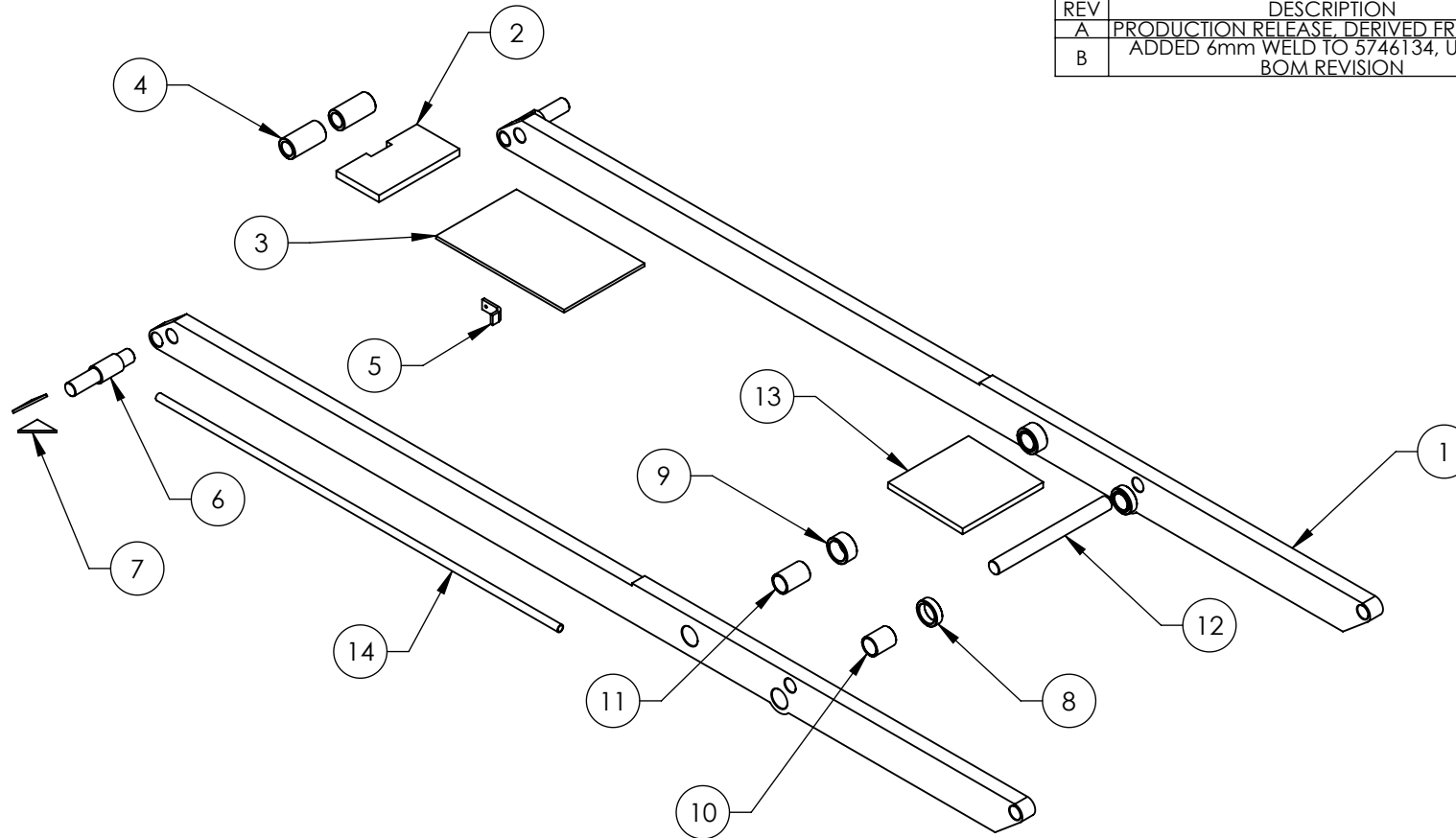
NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER
- LINE BORE AFTER WELD AND PRESS FIT THRU ALL
- DIMENSIONS SHOWN ARE AFTER PAINTING
- PAINT BENDPAK BLUE

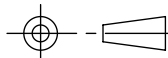
NEXT ASSEMBLY
5215254

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

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM T1364	02/12/2009	TM	00233
B	ADDED 6mm WELD TO 5746134, UPDATED BOM REVISION	08/01/2012	TM	00537



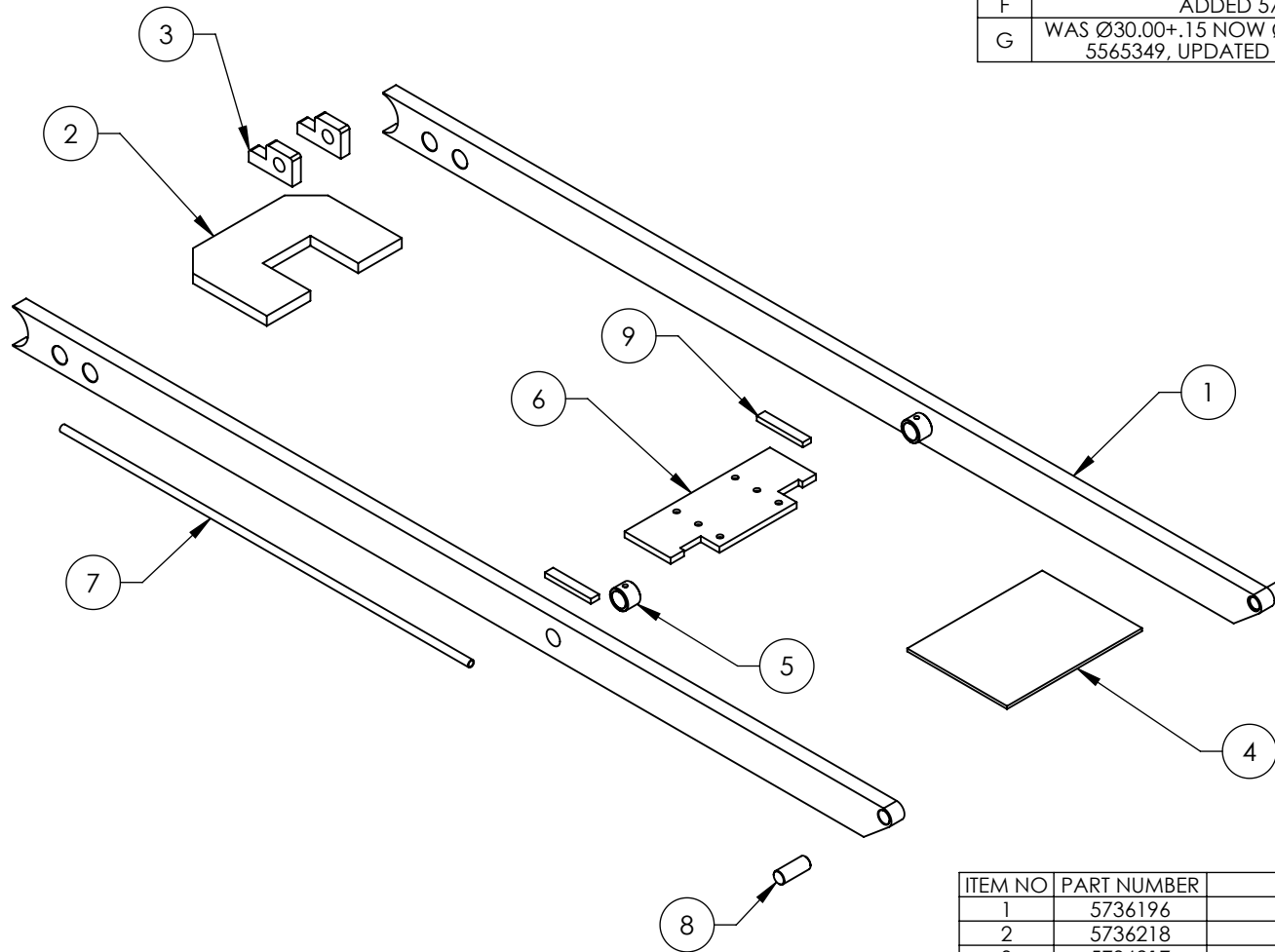
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5736216	SP-7X INNER SCISSOR ARM	2	A
2	5736214	SP-7X BOTTOM FILLER BLOCK	1	A
3	5735457	SP-7X LONG SUPPORT PLATE	1	A
4	5756012	SP-7X SAFETY SPACER	2	A
5	5701120	SP-7X SAFETY SPRING ANCHOR	1	A
6	5746016	SP-7X SLIDE BLOCK PIN	2	A
7	5736211	SP-7X ARM GUSSET	4	A
8	5746133	SP-7X SCISSOR ARM SPACER	2	A
9	5755041	SP-7X PIVOT PIN COLLAR	2	A
10	5565347	BUSHING 36 x 30 x 45 BR OI	2	A
11	5565348	BUSHING 36 x 30 x 54 BR OI	2	A
12	5746134	SP-7X CYLINDER LIFT PIN	1	B
13	5735458	SP-7X CYLINDER LIFT PLATE	1	A
14	5755045	SP-7X AIR SAFETY TROUGH	1	A

DO NOT SCALE DRAWING		NAME	DATE
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5	DRAWN	TM	02/12/2009
	CHECKED	MT	08/13/2012
ANGULAR: 0. = ±2°	THIRD ANGLE PROJECTION		
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED			
MATERIAL: --	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		
SIZE: --			
		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE:		SP-7X LEFT HAND INNER ARM WELDMENT	
SIZE	DWG. NO.		REV
A	5600249		B
SCALE: 1:12		SHEET 1 OF 2	

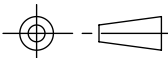
NOTE: UNLESS OTHERWISE SPECIFIED.

1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
2. REMOVE ALL WELD SPLATTER
3. LINE BORE AFTER WELD AND PRESS FIT THRU ALL
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT BENDPAK BLUE

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	02/22/2012	MT	00498
F	ADDED 5735442	08/01/2012	TM	00537
G	WAS Ø30.00+.15 NOW Ø31.0+.1, REMOVED 5565349, UPDATED BOM REVISIONS	02/15/2016	TM	00748



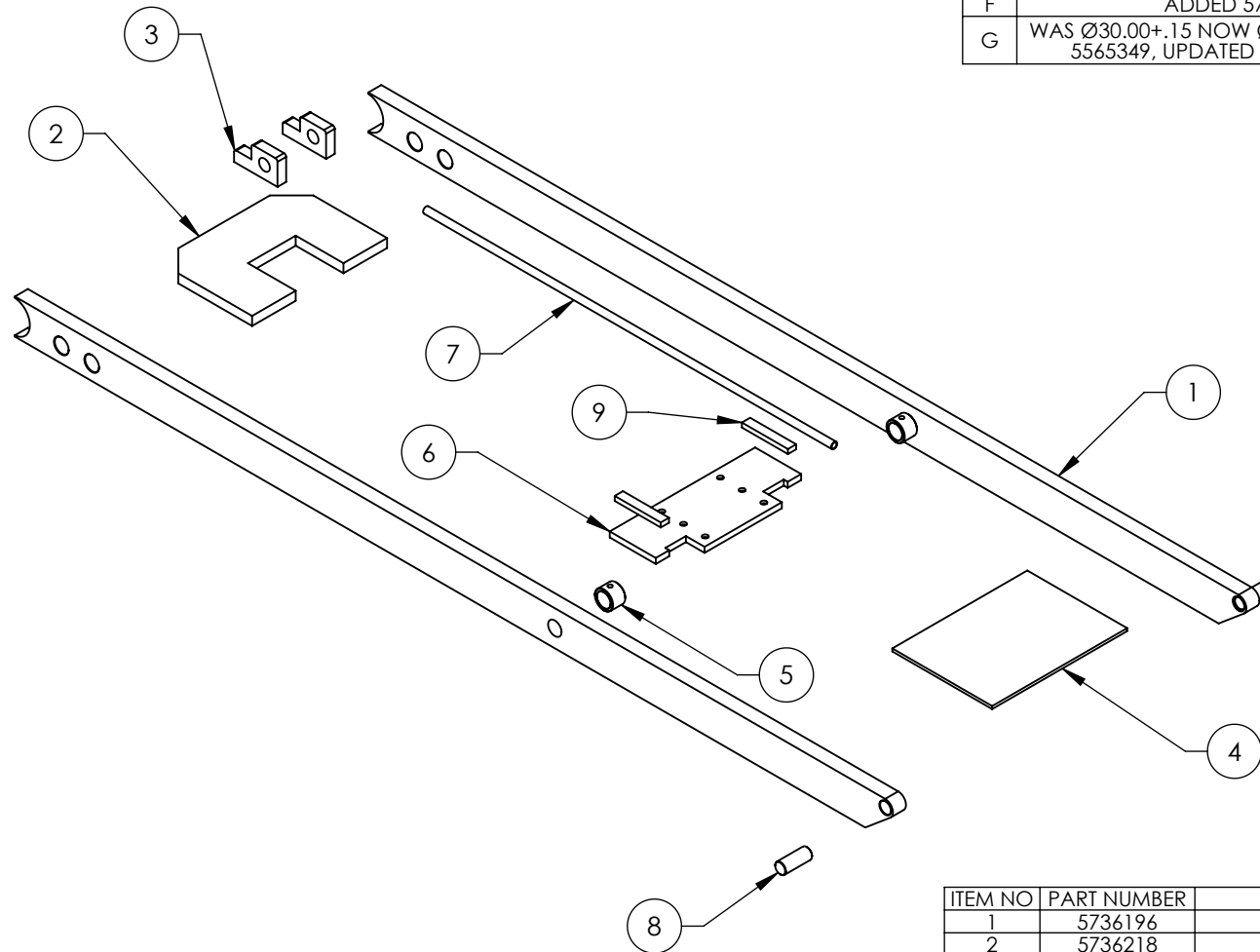
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5736196	SP-7X OUTER SCISSOR ARM	2	D
2	5736218	SP-7X CYLINDER CLEVIS PLATE	1	A
3	5736217	SP-7X BOTTOM CYLINDER CLEVIS	2	A
4	5735459	SP-7X OUTER ARM SPACER	1	A
5	5746136	SP-7X SCISSOR SPACER	2	B
6	5736219	SP-7X CYLINDER GUIDE STOP PLATE	1	B
7	5755045	SP-7X AIR SAFETY TROUGH	1	A
8	5746202	SP-7X OUTER ARM SLIDE BLOCK PIN	2	A
9	5735442	SP-7X CYLINDER GUIDE STOP PLATE STIFFENER	2	A

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. POWERING AUTOMOTIVE SERVICE SOLUTIONS 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	TM			02/12/2009
		CHECKED	CA			02/15/2016
Y		THIRD ANGLE PROJECTION			TITLE: SP-7X LEFT HAND OUTER SCISSOR ARM WELDMENT	
						
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			SIZE	DWG. NO.
			A		5620305	G
			SCALE: 1:12			SHEET 1 OF 2

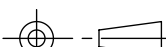
NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER
- LINE BORE AFTER WELD AND PRESS FIT THRU ALL
- THREADS MUST BE FREE OF WELD

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	02/22/2012	MT	00498
F	ADDED 5735442	08/010/212	TM	00537
G	WAS Ø30.00+.15 NOW Ø31.0+.1, REMOVED 5565349, UPDATED BOM REVISIONS	02/15/2016	TM	00748



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5736196	SP-7X OUTER SCISSOR ARM	2	D
2	5736218	SP-7X CYLINDER CLEVIS PLATE	1	A
3	5736217	SP-7X BOTTOM CYLINDER CLEVIS	2	A
4	5735459	SP-7X OUTER ARM SPACER	1	A
5	5746136	SP-7X SCISSOR SPACER	2	B
6	5736219	SP-7X CYLINDER GUIDE STOP PLATE	1	B
7	5755045	SP-7X AIR SAFETY TROUGH	1	A
8	5746202	SP-7X OUTER ARM SLIDE BLOCK PIN	2	A
9	5735442	SP-7X CYLINDER GUIDE STOP PLATE STIFFENER	2	A

DO NOT SCALE DRAWING		NAME	DATE			
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	TM	02/12/2009	 BendPak. PROVIDING AUTOMOTIVE SERVICE SOLUTIONS 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
		CHECKED	CA	02/15/2016		
		THIRD ANGLE PROJECTION			TITLE: SP-7X RIGHT HAND OUTER SCISSOR ARM WELDMENT	
						
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			SIZE DWG. NO.	REV
					A 5620306	G
					SCALE: 1:12	SHEET 1 OF 2

NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER
- LINE BORE AFTER WELD AND PRESS FIT THRU ALL
- THREADS MUST BE FREE OF WELD

NEXT ASSEMBLY
5600253

PART SPECIFICATION FORM

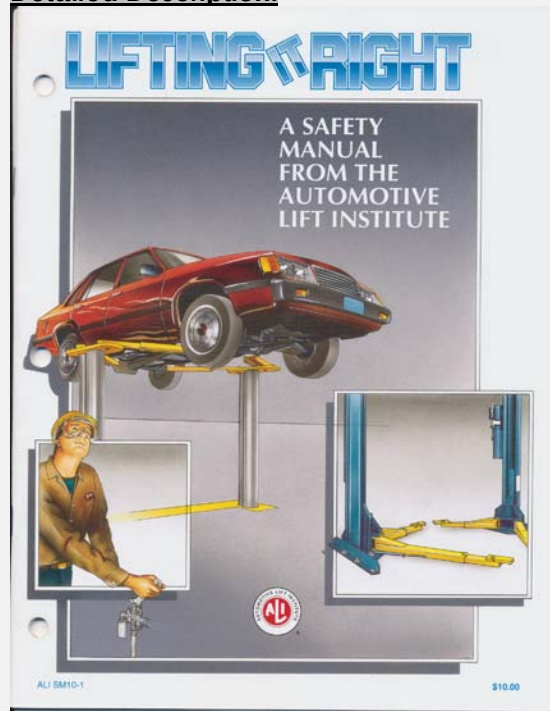
BENDPAK Number:	5900147
MRP Description:	SAFETY MANUAL ALI / SM 93-1
Date:	12/28/2010
ECO :	00431

1. Engineering Specification

Application:

ALI SAFETY MANUAL

Detailed Description:



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

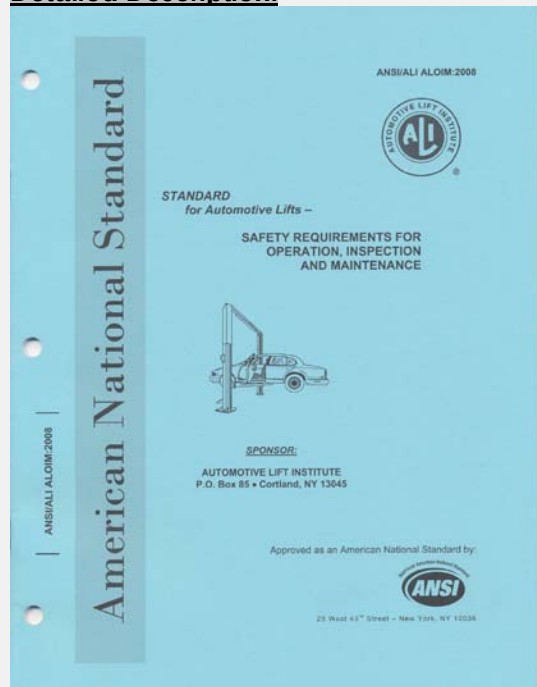
BENDPAK Number:	5900152
MRP Description:	ALIGN OIM OPERATION INSPECTION & MAINTENANCE
Date:	12/28/2010
ECO :	00431

1. Engineering Specification

Application:

ALI OPERATION INSPECTION & MAINTENANCE MANUAL

Detailed Description:



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

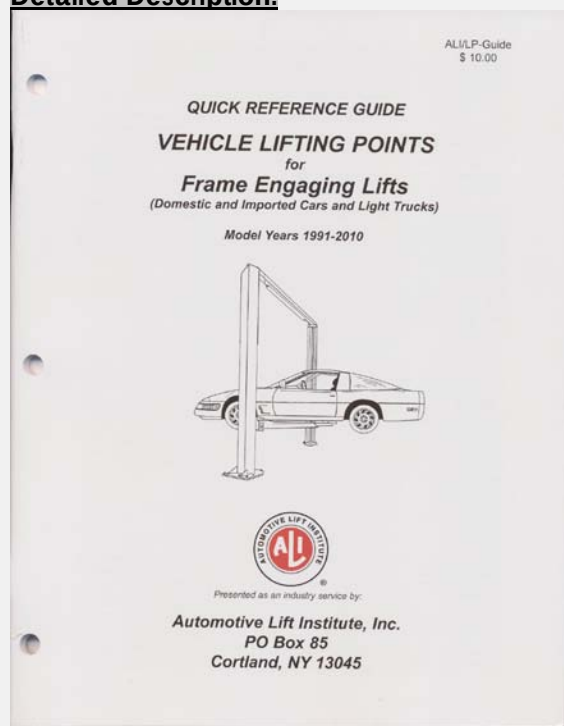
BENDPAK Number:	5900280
MRP Description:	ALI/LP FRAME ENGAGING LIFTS GUIDE
Date:	12/28/2010
ECO :	00431

1. Engineering Specification

Application:

ALI LIFTING GUIDE

Detailed Description:



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

BENDPAK Number:	5900960
MRP Description:	SP-7X INSTALLATION MANUAL
Date:	07/19/2016
ECO :	00770

1. Engineering Specification

Application:

INSTALLATION MANUAL

Detailed Description:

WARNING
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.

CAUTION
The safe operating temperature range for this product is 41° F. - 104° F.

REV D 02-25-10
p/n 5900100

INSTALLATION AND OPERATION MANUAL

**7,000 POUND CAPACITY
FULL-RISE
SCISSORS LIFT**

MODEL: SP-7X



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.

KEEP THIS OPERATION MANUAL NEAR THE MACHINE AT ALL TIMES. MAKE SURE THAT ALL USERS READ THIS MANUAL.

READ FIRST
Do not operate this machine until you read and understand all the shipping, warranty and operating instructions in this manual.

BP BendPak
PROVIDING AUTOMOTIVE SERVICE SOLUTIONS

1645 Lemonwood Dr.
Santa Paula, CA. 93060, USA
Toll Free 1-800-253-2363
Tel: 1-805-933-9970
Fax: 1-805-933-9160
www.bendpak.com

1

2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

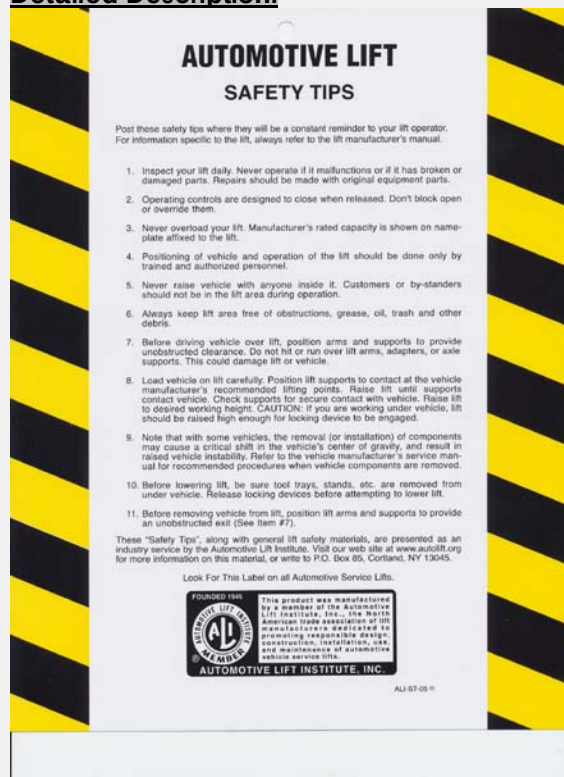
BENDPAK Number:	5905151
MRP Description:	SAFETY TIPS CARD ALI-ST 90
Date:	12/28/2010
ECO :	00431

1. Engineering Specification

Application:

ALI SAFETY TIPS

Detailed Description:



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

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

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

SIZE: 5.125" L x 5.125" W (130mm x 130mm)

2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

BENDPAK Number:	5905524
MRP Description:	CAUTION MAX LOAD 3500
Date:	07/24/2013
ECO :	00611

1. Engineering Specification

Application:

SCISSOR MAXIMUM LOADING WARNING

Detailed Description:



SIZE: 3" L x 4" W (76mm x 102mm)

2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

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

1. Engineering Specification

Application:

PRODUCT DATA LABEL

Detailed Description:



SANTA PAULA, CA USA
 WWW.BENDPAK.COM

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

SIZE: 2.3" L x 4.5" W (58mm x 114mm)

2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

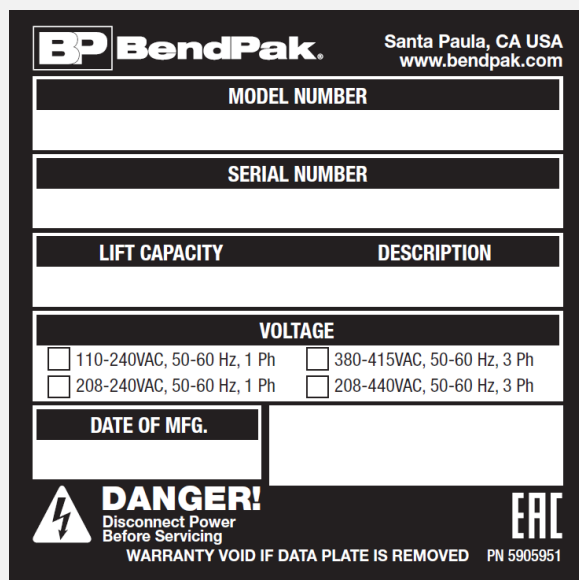
BENDPAK Number:	5905951
MRP Description:	2015_SERIAL_TAG-B-5905951
Date:	07/19/2016
ECO :	00752

1. Engineering Specification

Application:

DATA SERIAL TAG

Detailed Description:



BP BendPak. Santa Paula, CA USA
www.bendpak.com

MODEL NUMBER

SERIAL NUMBER

LIFT CAPACITY	DESCRIPTION

VOLTAGE

☐ 110-240VAC, 50-60 Hz, 1 Ph	☐ 380-415VAC, 50-60 Hz, 3 Ph
☐ 208-240VAC, 50-60 Hz, 1 Ph	☐ 208-440VAC, 50-60 Hz, 3 Ph

DATE OF MFG.

⚡ DANGER!
Disconnect Power Before Servicing

ERC

WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905951

SIZE: 3" L x 3" W (76.2mm x 76.2mm)

2. Vendor Information (Or for Reference)

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			
2)			
OR BENDPAK ENGINEERING APPROVED EQUIVALENT			