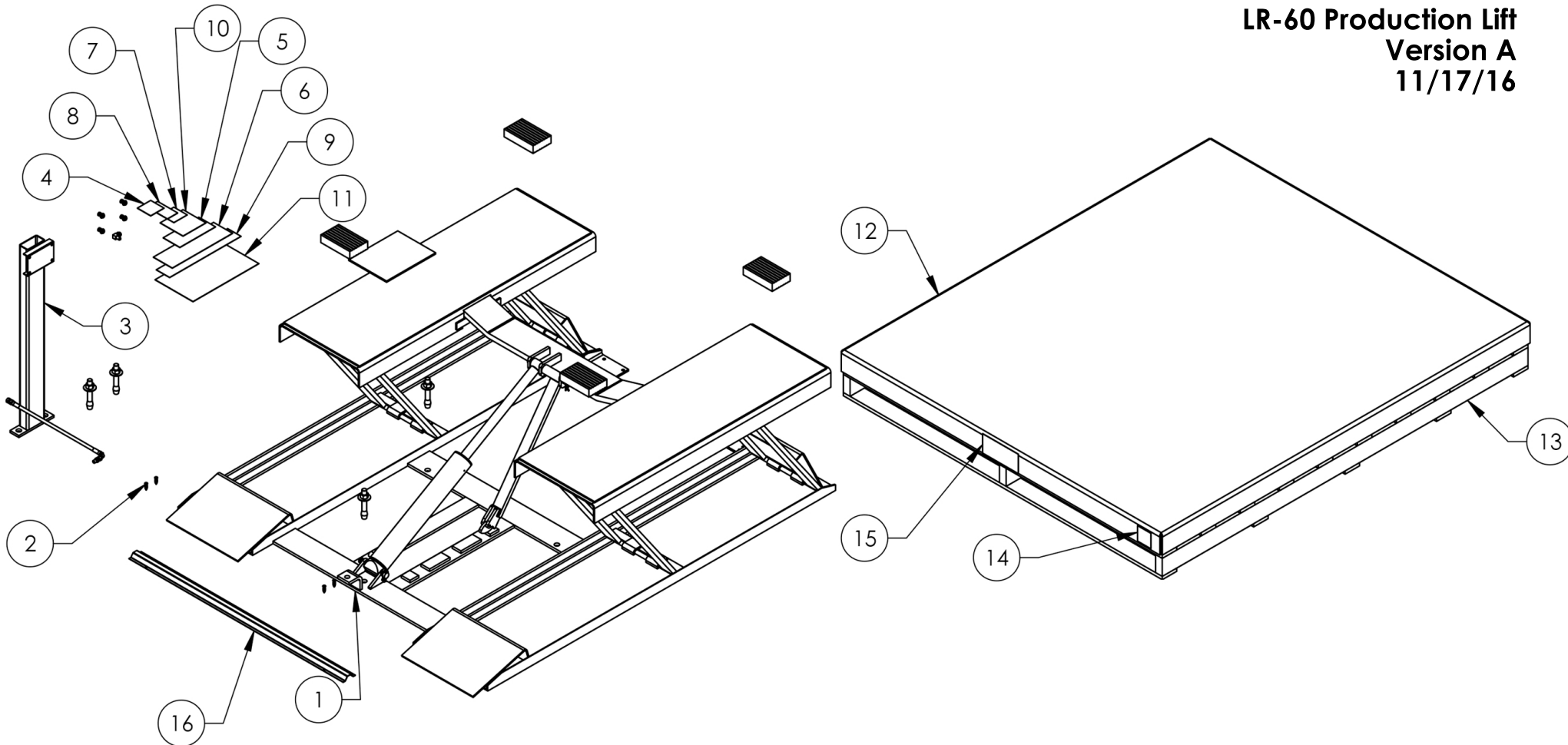


Service Manual

Service Parts & Diagrams

LR-60

BendPak SKU 5260167
LR-60 Production Lift
Version A
11/17/16



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
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Toll Free US/Canada: 1-800-253-2363
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info@bendpak.com

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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

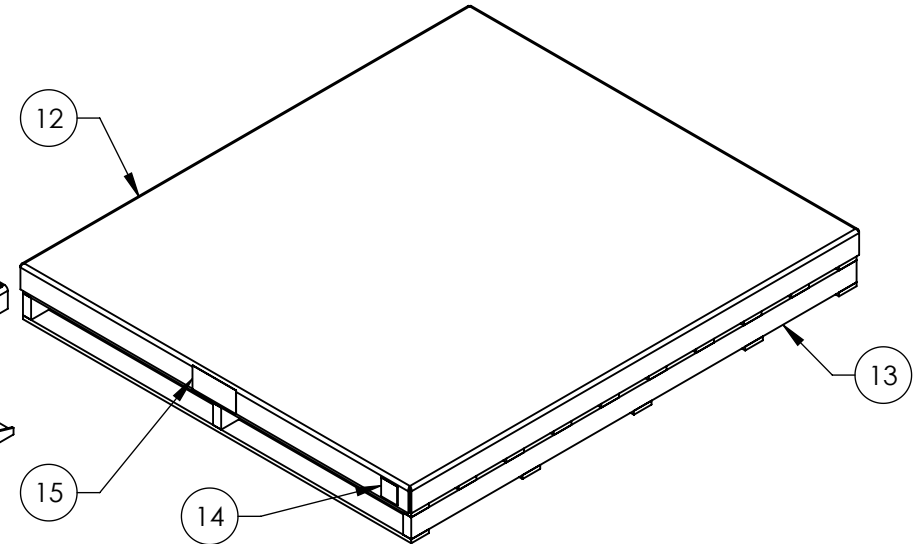
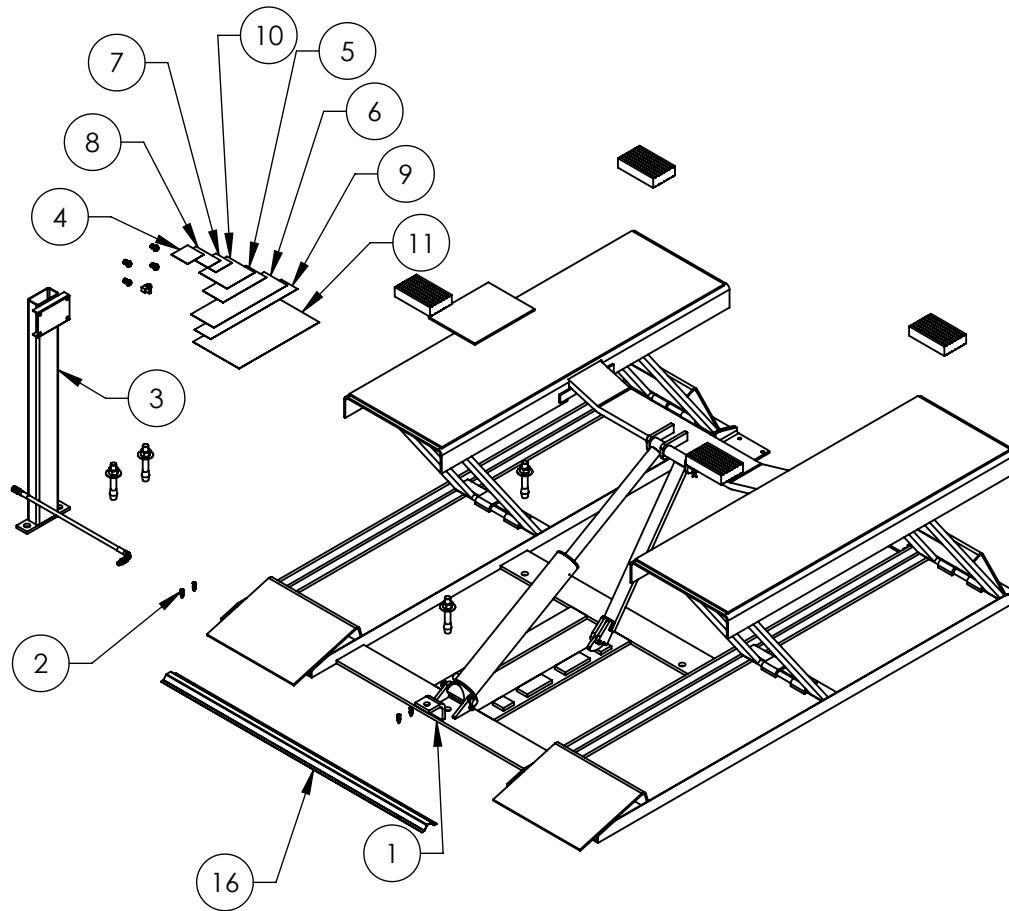
Domestic Sales & Service

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



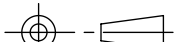
International Sales & Service

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

REV	DESCRIPTION	REVISION	DATE	EDITED BY	ECO#
M	ADDED 5781015, 5940007, 5905285, AND 5905970		01/04/2016	TM	00736
N	UPDATED BOM REVISION		03/21/2016	TM	00753
P	ADDED 5701310, UPDATED BOM REVISIONS		10/03/2016	TS	00781



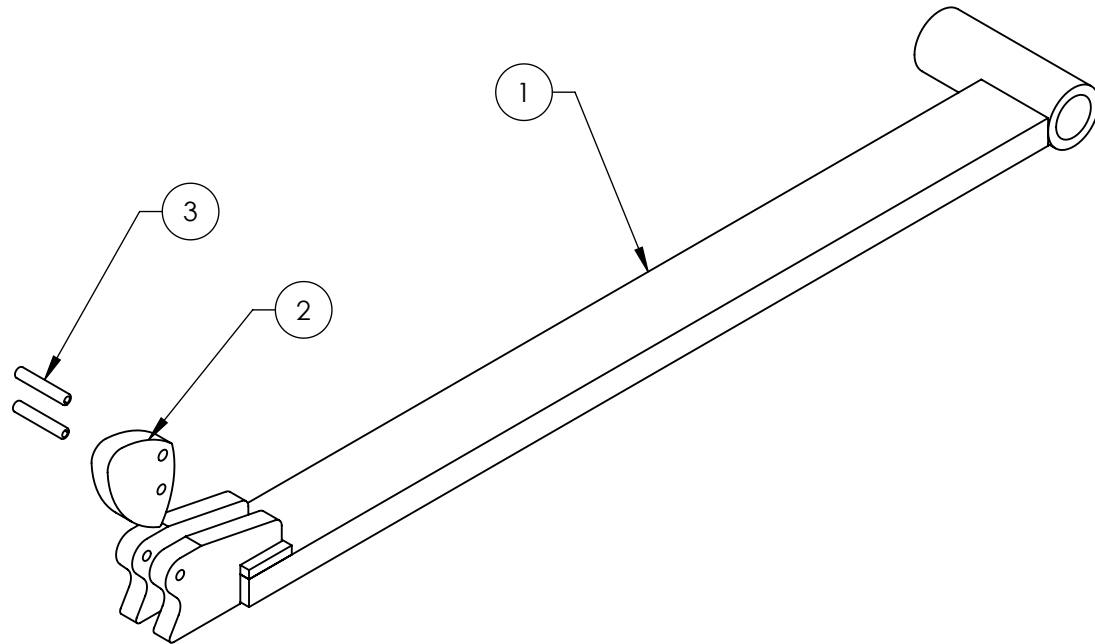
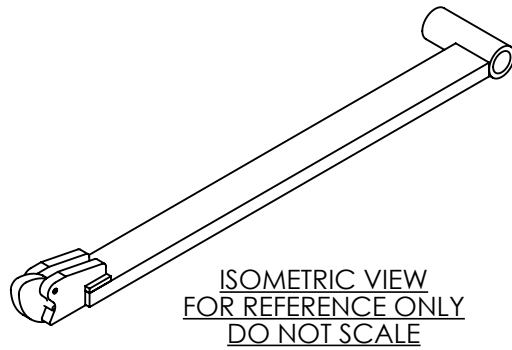
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245233	LR-60/60P LIFT SUPERSTRUCTURE	1	J
2	5250021	LR-60 PARTS BOX	1	G
3	5600001	POWER UNIT STAND WELDMENT	1	A
4	5905176	WARNING TO PROLONG LIFE	1	--
5	5905721	WARNING MAX LIFTING CAP 6000LBS/2722 KG LABEL	1	--
6	5905240	WARNING TO RAISE LIFT	1	--
7	5905951	5905951-2015 Serial Tag-B	1	--
8	5905940	PRODUCT DATA LABEL	1	--
9	5905204	BENDPAK LABEL	1	--
10	5905465	MANUFACTURER LABEL	1	--
11	5905135	CAUTION ALI/WL 300CSW	1	--
12	5781015	LR-60/60P CARRIER BOX	1	A
13	5940007	LR-60/60P PALLET ASSEMBLY	1	A
14	5905285	SERIALTAG EXTERIOR PEEL OFF INVENTORY LABEL	1	--
15	5905970	LR-60 PACKAGING LABEL	1	--
16	5701310	HYDRAULIC HOSE COVER	1	A

DO NOT SCALE DRAWING		NAME	DATE			
DIMENSIONS ARE IN MM 		DRAWN	TM	10/04/2010	 BendPak. 1645 LEMONWOOD DR. <small>HOVING & LIFTING MACHINERY SOLUTIONS</small> SANTA PAULA, CA 93060	
		CHECKED				
		THIRD ANGLE PROJECTION				TITLE: LR-60 PRODUCTION LIFT VER A
						
<p>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.</p>						
		SIZE		DWG. NO.	REV	
		A		5260167	P	
				SCALE: 1:25	SHEET 1 OF 2	



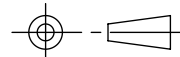
NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. ALL LABELS TO BE APPLIED AFTER PAINTING.
3. SEE ATTACHED LABEL PLACEMENT SHEET

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215594	04/14/2014	TS	00654
B	UPDATED BOM REVISION	09/18/2015	JM	00726



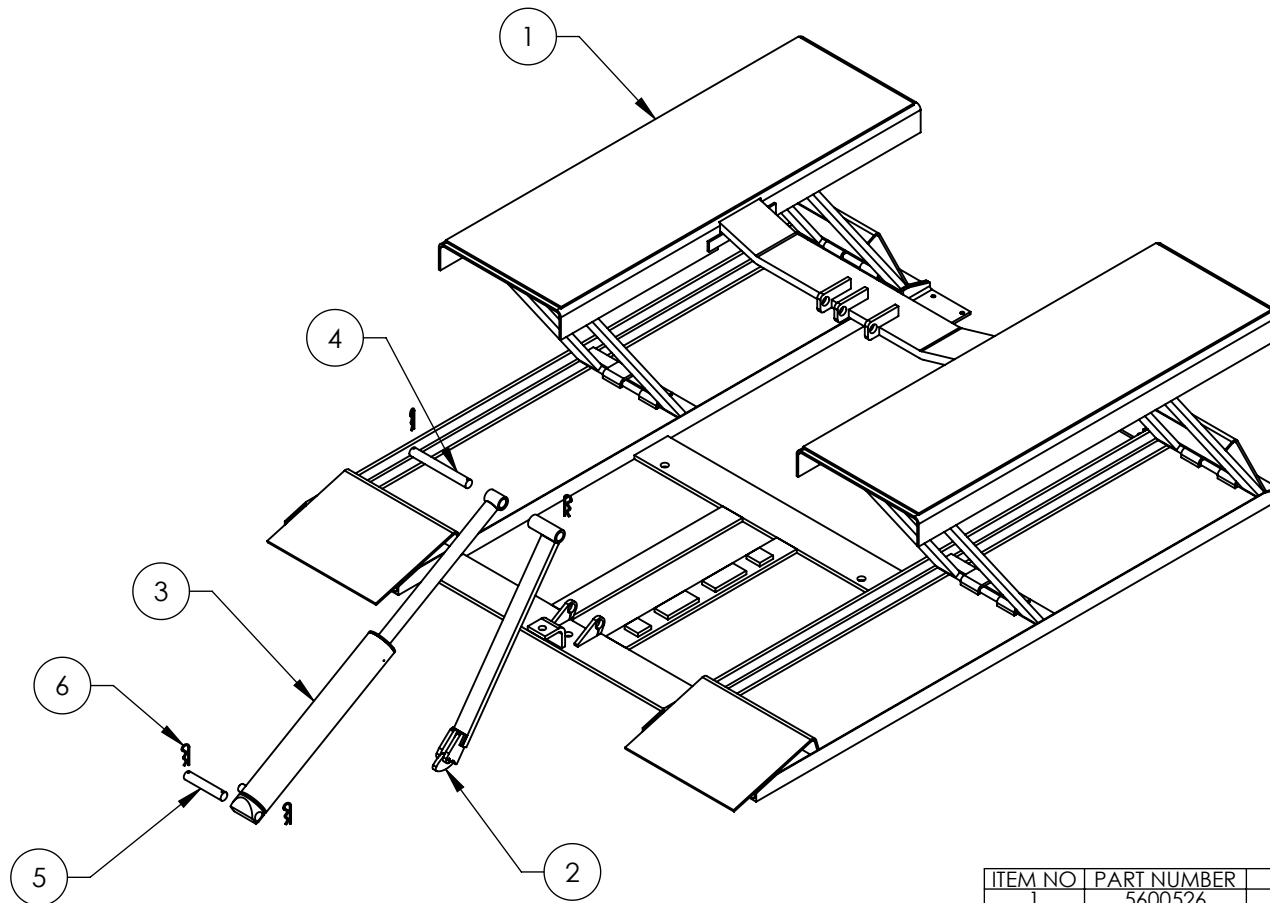
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5210372	LR-60/60P SAFETY BAR WELDMENT	1	C
2	5736676	LR-5T/LR-60 SAFETY LATCH	1	D
3	5505141	SPRING PIN M6 x 36	2	--

DO NOT SCALE DRAWING		NAME		DATE		 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060			
DIMENSIONS ARE IN MM 		DRAWN		TS		04/14/2014			
		CHECKED		CA		09/28/2015			
		THIRD ANGLE PROJECTION				TITLE: LR-60/60P SAFETY BAR ASSEMBLY			
						SIZE DWG. NO.			
		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.				REV			
						A 5210373		B	
						SCALE: 1:4		SHEET 1 OF 1	



NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	UPDATED BOM REVISIONS	09/18/2015	JM	00726
H	UPDATED BOM REVISION	12/11/2015	JM	00721
J	UPDATED BOM REVISION	03/21/2016	TM	00753



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600526	LR-60/60P LIFT WELDMENT	1	H
2	5210373	LR-60/60P SAFETY BAR ASSEMBLY	1	B
3	5502135	CYLINDER ASSEMBLY Ø3.0 X 18	1	C
4	5746587	UPPER HINGE PIN	1	A
5	5746586	LR-60/60P LOWER CYLINDER CLEVIS PIN	1	A
6	5505350	MODEL#211 HAIR PIN/ LARGE	4	-

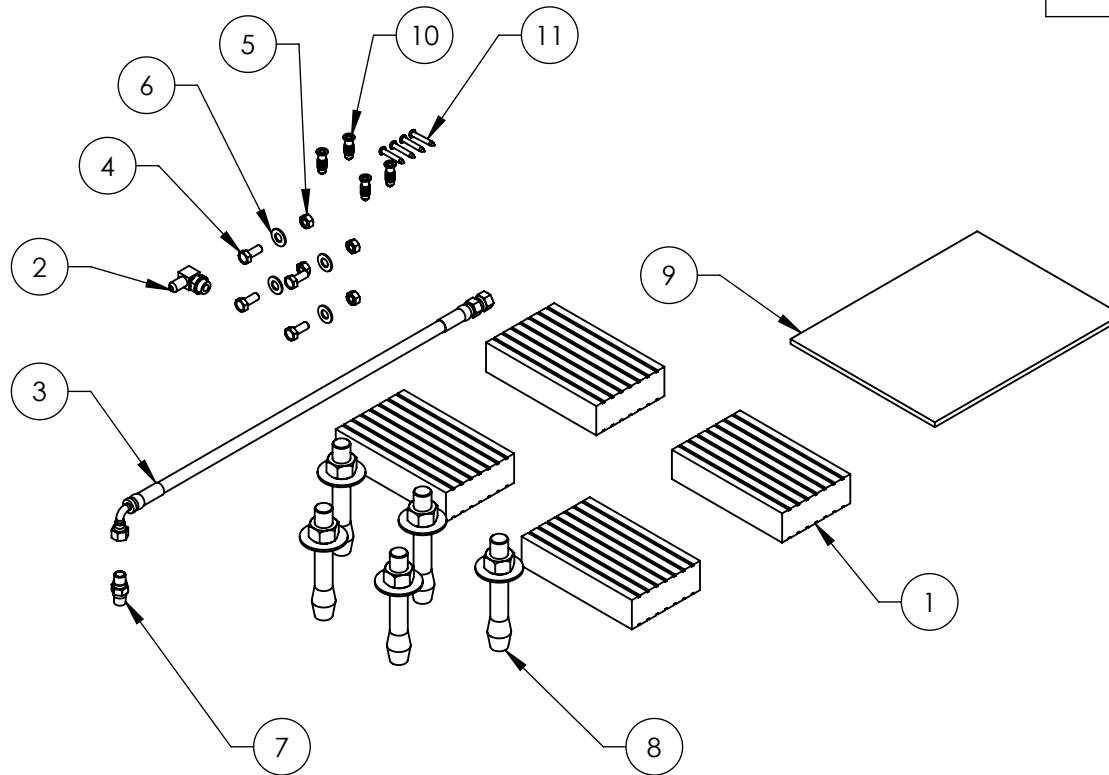
DO NOT SCALE DRAWING		NAME		DATE		BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060			
DIMENSIONS ARE IN MM		DRAWN		TM		10/04/2010			
		CHECKED		DB		06/29/2016			
		THIRD ANGLE PROJECTION				TITLE: LR-60/60P LIFT SUPERSTRUCTURE			
						SIZE DWG. NO.		REV	
						A 5245233		J	
		PROPRIETARY AND CONFIDENTIAL 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.				SCALE: 1:20		SHEET 1 OF 1	

NOTE: UNLESS OTHERWISE SPECIFIED.



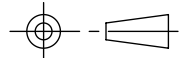
1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5260167
5260168

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	ADDED 5905721, REMOVED 5905760	10/24/2014	TM	00654
F	REMOVED 5900151, 5905135, 5905465, 5905204, 5905940, 5930790, 5905176, 5905240 & 5930609, UPDATED BOM REVISION	09/18/2015	JM	00726
G	REPLACED 5545012 WITH 5545021, REPLACED 5570013 WITH 5570082, ADDED 5535119, ADDED 5530201, UPDATED BOM, UPDATED NEXT ASSEMBLY	10/03/2016	TS	00781



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5300845	LR-60/60P P-6 38mm (1.5") RUBBER PAD	4	A
2	5550103	FIG ELB -04 JIC -06 ORB	1	-
3	5570082	HOSE ASSY Ø6.4 x 28/3mm SB	1	A
4	5530304	HHB M8 x 1.25 x 20	4	-
5	5535001	NUT M8 x 1.25 NL	4	A
6	5545021	WASHER M8 x Ø20 FLAT	4	-
7	5550147	FIG NPL -04 JIC x -04 NPT	1	-
8	5530456	AB 3/4" x 4 - 3/4"	5	-
9	5900337	LR-60/60P INSTALLATION MANUAL	1	-
10	5535119	M5 x 30mm FLOOR ANCHOR	4	B
11	5530201	RHPS M5 x 32mm	4	B

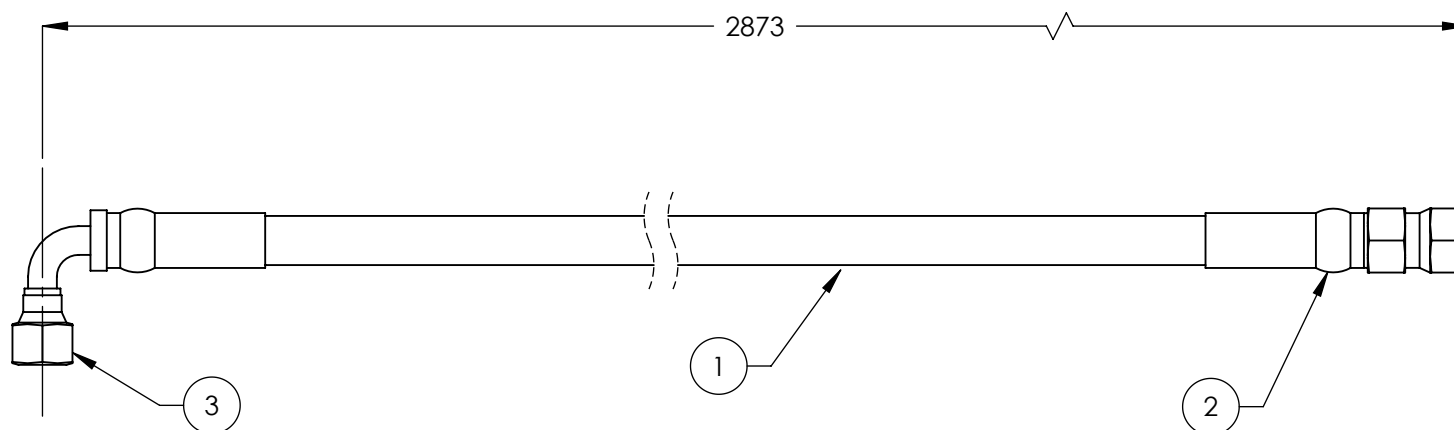
DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DIMENSIONS ARE IN MM 		DRAWN	TM 10/04/2010	
		CHECKED	CA 09/28/2015	
THIRD ANGLE PROJECTION 		TITLE: LR-60 PARTS BOX		
		SIZE DWG. NO. REV		
		A 5250021 G		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS 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.		SCALE: 1:8 SHEET 1 OF 1		

NOTE: UNLESS OTHERWISE SPECIFIED.



1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY
5260167

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	DERIVED FROM 5570013, PRODUCTION RELEASE	10/05/2016	TS	00781



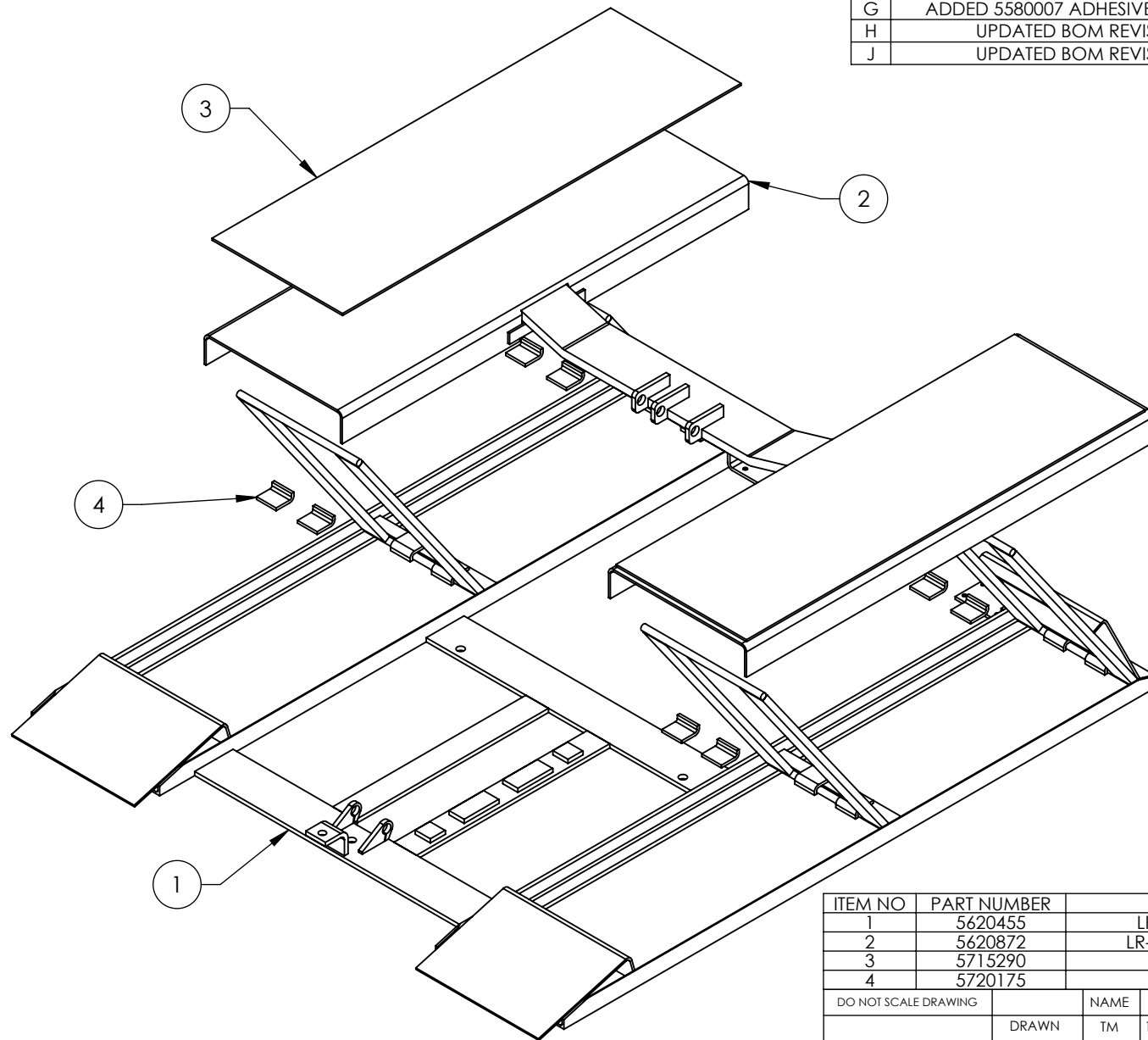
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE	2819mm*	-
2	5550325	FTG NPL Ø1/4 CRIMP x -04 JIC	1	-
3	5550345	FTG ELB Ø1/4 CRIMP x -04 JIC	1	-

DO NOT SCALE DRAWING		NAME		DATE		<div> BendPak. <small>PROVIDING AUTOMATIC SERVICE SOLUTIONS</small></div> <div>1645 LEMONWOOD DR. SANTA PAULA, CA 93060</div>			
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		TS				10/05/2016	
		CHECKED							
		THIRD ANGLE PROJECTION				TITLE: HOSE ASSY Ø6.4 x 2873mm SB			
									
		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	5570082	A			
SCALE: 1:2						SHEET 1 OF 1			

NOTE: UNLESS OTHERWISE SPECIFIED.

- ITEM 1 SPECIFICATIONS ARE FOUND ON PART SPECIFICATION FORM
- (*)HOSE LENGTH PROVIDED FOR REFERENCE ONLY


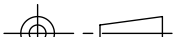
REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	ADDED 5580007 ADHESIVE TO NOTE 5	12/11/2015	JM	00721
H	UPDATED BOM REVISIONS	03/21/2016	TM	00753
J	UPDATED BOM REVISIONS	10/06/2016	TS	00781



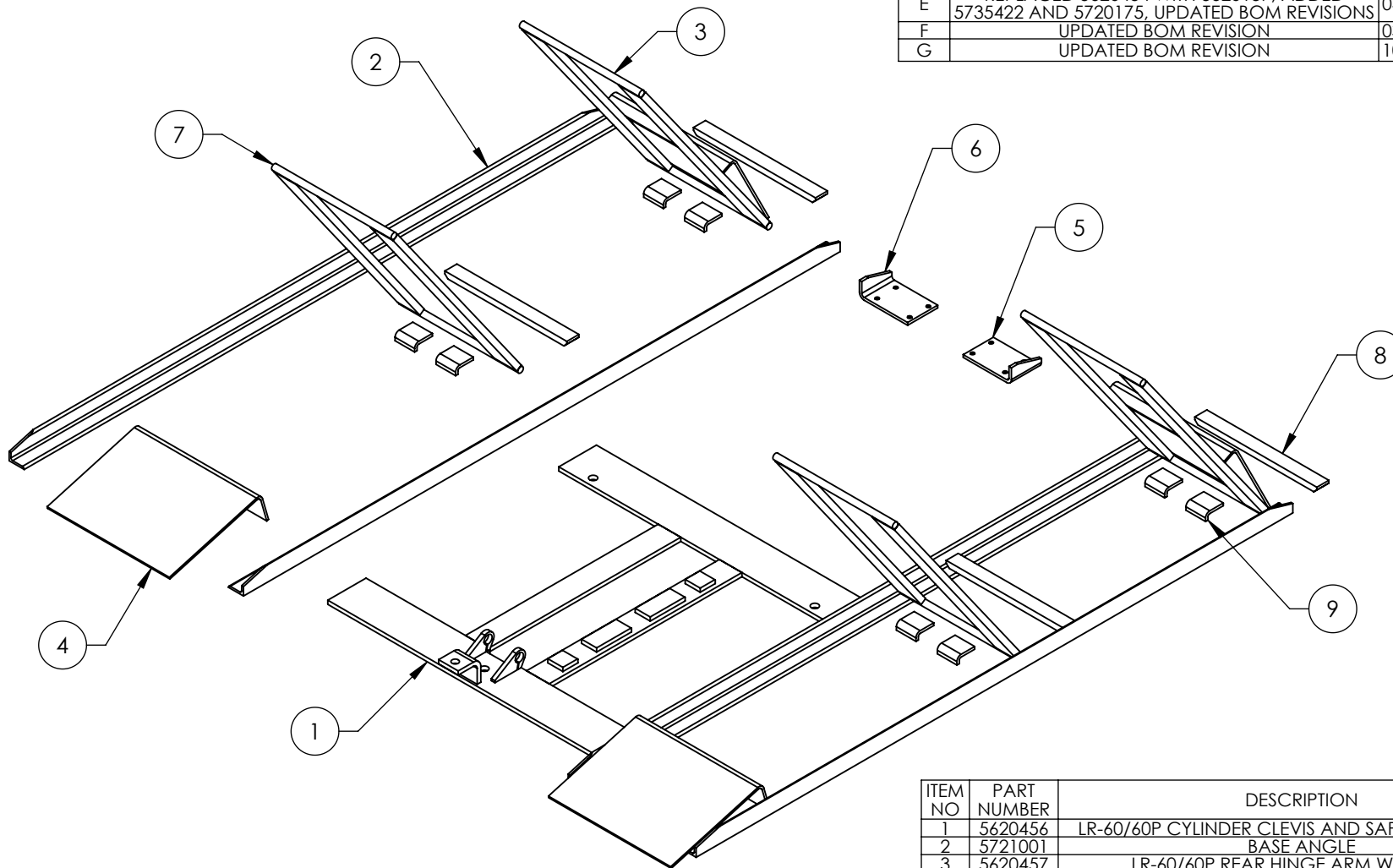
NOTE: UNLESS OTHERWISE SPECIFIED.

1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
2. REMOVE ALL WELD SPLATTER
3. DIMENSIONS SHOWN ARE AFTER PAINTING
4. PAINT BENDPAK BLUE
5. ADHERE RUBBER TOP PAD AFTER WELDING AND PAINTING USING 5580007 ADHESIVE



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5620455	LR-60/60P BASE WELDMENT	1	G
2	5620872	LR-60/60P COVER WELDMENT	1	C
3	5715290	RUBBER TOP PAD	2	B
4	5720175	LR-60/P HINGE HOLDER	8	-

DO NOT SCALE DRAWING		NAME	DATE	<div> BendPak. <small>PROVIDING AUTOMOTIVE SERVICE SOLUTIONS</small></div> <div>1645 LEMONWOOD DR. SANTA PAULA, CA 93060</div>			
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			10/01/2010	
		CHECKED	DB			06/29/2016	
Y		THIRD ANGLE PROJECTION			TITLE:		
					LR-60/60P LIFT WELDMENT		
					SIZE DWG. NO.		REV
		<div>PROPRIETARY AND CONFIDENTIAL</div> <div>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.</div>			A	5600526	J
					SCALE: 1:15		SHEET 1 OF 2

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	REPLACED 5620454 WITH 5620137, ADDED 5735422 AND 5720175, UPDATED BOM REVISIONS	04/15/2014	TS	00654
F	UPDATED BOM REVISION	03/21/2016	TM	00753
G	UPDATED BOM REVISION	10/06/2016	TS	00781



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5620456	LR-60/60P CYLINDER CLEVIS AND SAFETY WELDMENT	1	C
2	5721001	BASE ANGLE	4	A
3	5620457	LR-60/60P REAR HINGE ARM WELDMENT	2	D
4	5701331	LR-60/60P DRIVE ON RAMP	2	A
5	5736343	LR-60P WHEEL SUPPORT ANGLE RH	1	A
6	5736344	LR-60P WHEEL SUPPORT ANGLE LH	1	A
7	5620137	LR-60/60P HINGE ARM WELDMENT	2	D
8	5735422	LR-60/P,P-6/F HINGED ARM STOP BAR	4	B
9	5720175	LR-60/P HINGE HOLDER	8	C

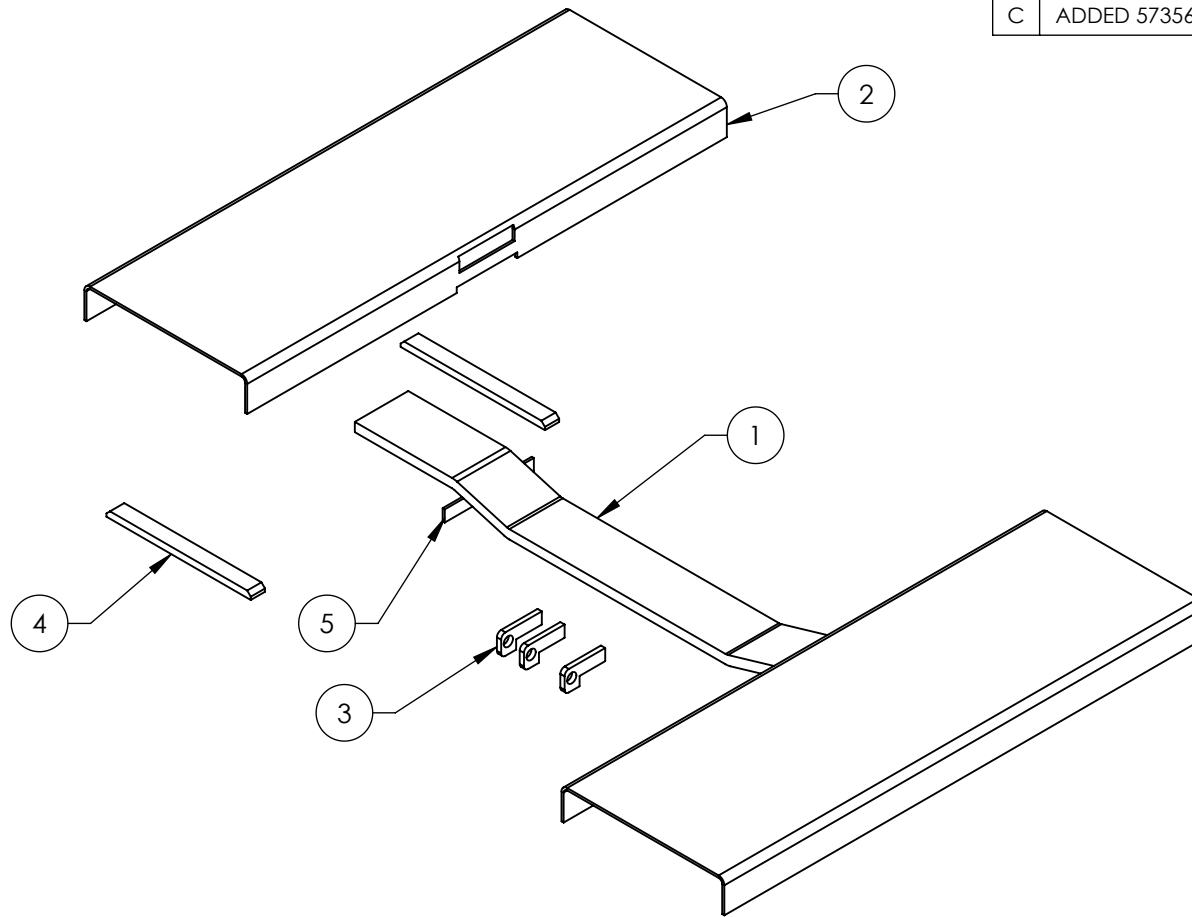
DO NOT SCALE DRAWING		NAME	DATE				
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra μm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	TM	09/29/2010		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
		CHECKED	DB	06/29/2016			
				THIRD ANGLE PROJECTION			TITLE: LR-60/60P BASE 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
Y					A	5620455	G
					SCALE: 1:15		SHEET 1 OF 4

NOTE: UNLESS OTHERWISE SPECIFIED.


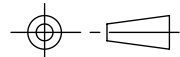
1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
2. REMOVE ALL WELD SPLATTER

NEXT ASSEMBLY
5600526

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM T1031	10/01/2010	TM	00406
B	REPLACED 5620003 WITH 5735422, UPDATED BOM REVISION	04/15/2014	TS	00654
C	ADDED 5735619, UPDATED NEXT ASSEMBLY	10/07/2016	TS	00781



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5736342	LR-60/60P PUSH BAR	1	A
2	5701333	LR-60/60P RAMP COVER	2	A
3	5736338	LR-60/60P TOP CLEVIS	3	A
4	5735422	LR-60/P,P-6/F HINGED ARM STOP BAR	4	B
5	5735619	LR-60/60P COVER REINFORCEMENT STRIP	2	A

DO NOT SCALE DRAWING		NAME		DATE		 BendPak. 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		10/01/2010			
		CHECKED		TM					
		THIRD ANGLE PROJECTION				TITLE: LR-60/60P COVER WELDMENT			
									
Y		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 5620872		C	
						SCALE: 1:15		SHEET 1 OF 2	

NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER

NEXT ASSEMBLY
5600526