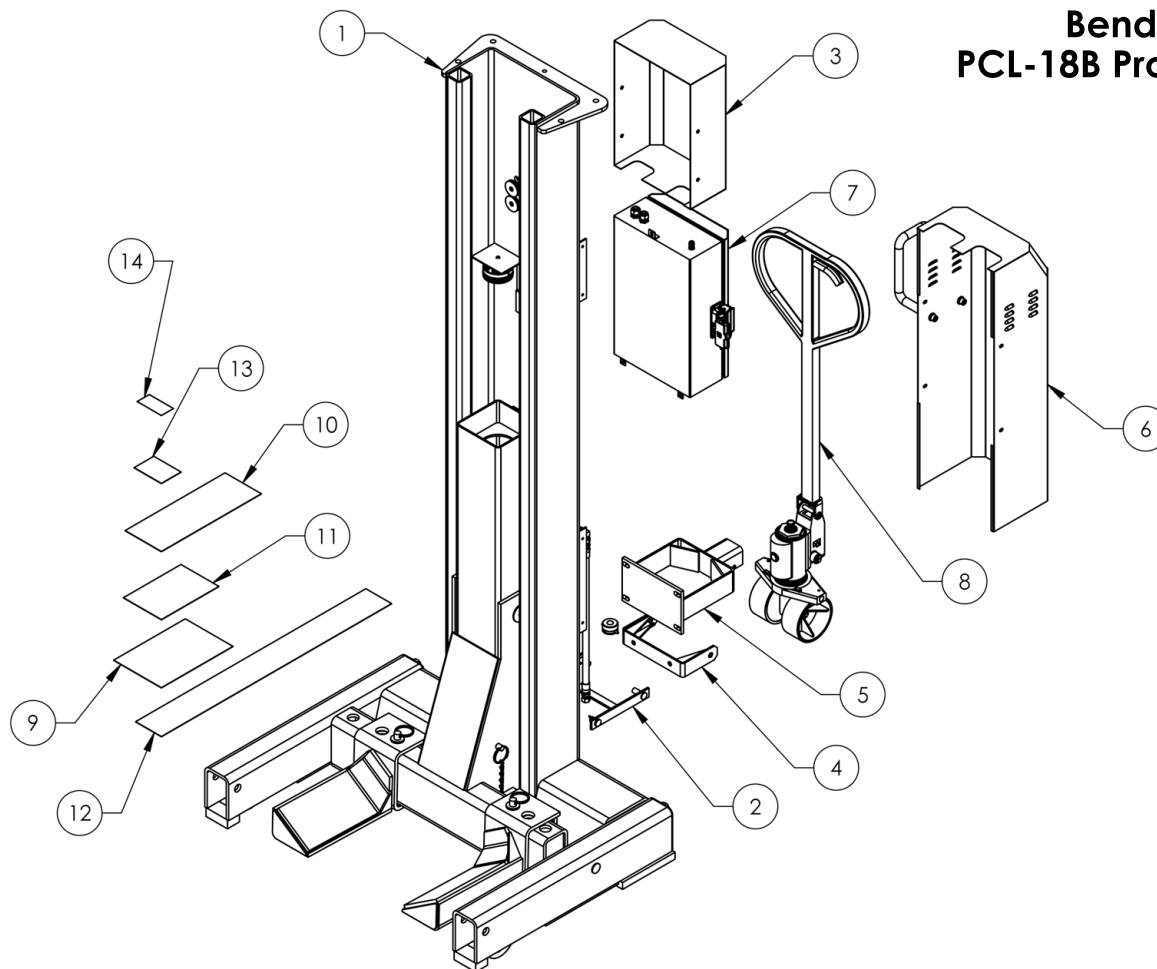


Service Manual

Service Parts & Diagrams

PCL-18B

BendPak SKU 5260331
PCL-18B Production Column
Post C
09/20/16



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.



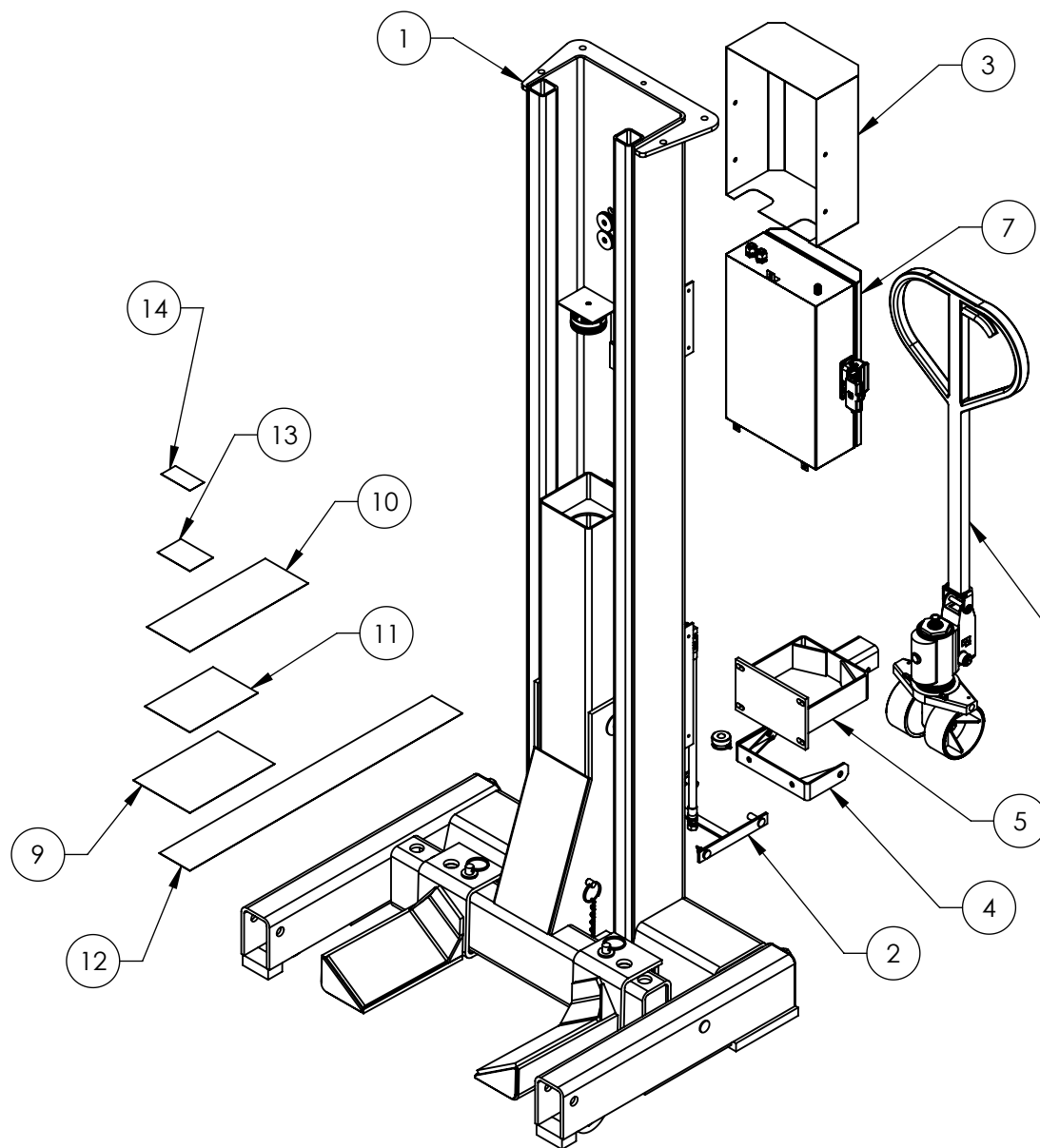
BendPak, Inc. Corporate Office
1645 Lemonwood Drive
Santa Paula, CA 93060 USA
Toll Free US/Canada: 1-800-253-2363
Fax: 1-805-933-9160
info@bendpak.com

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

Parts Orders
Customer Service Representatives
Office Tel: 1-805-933-9970
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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



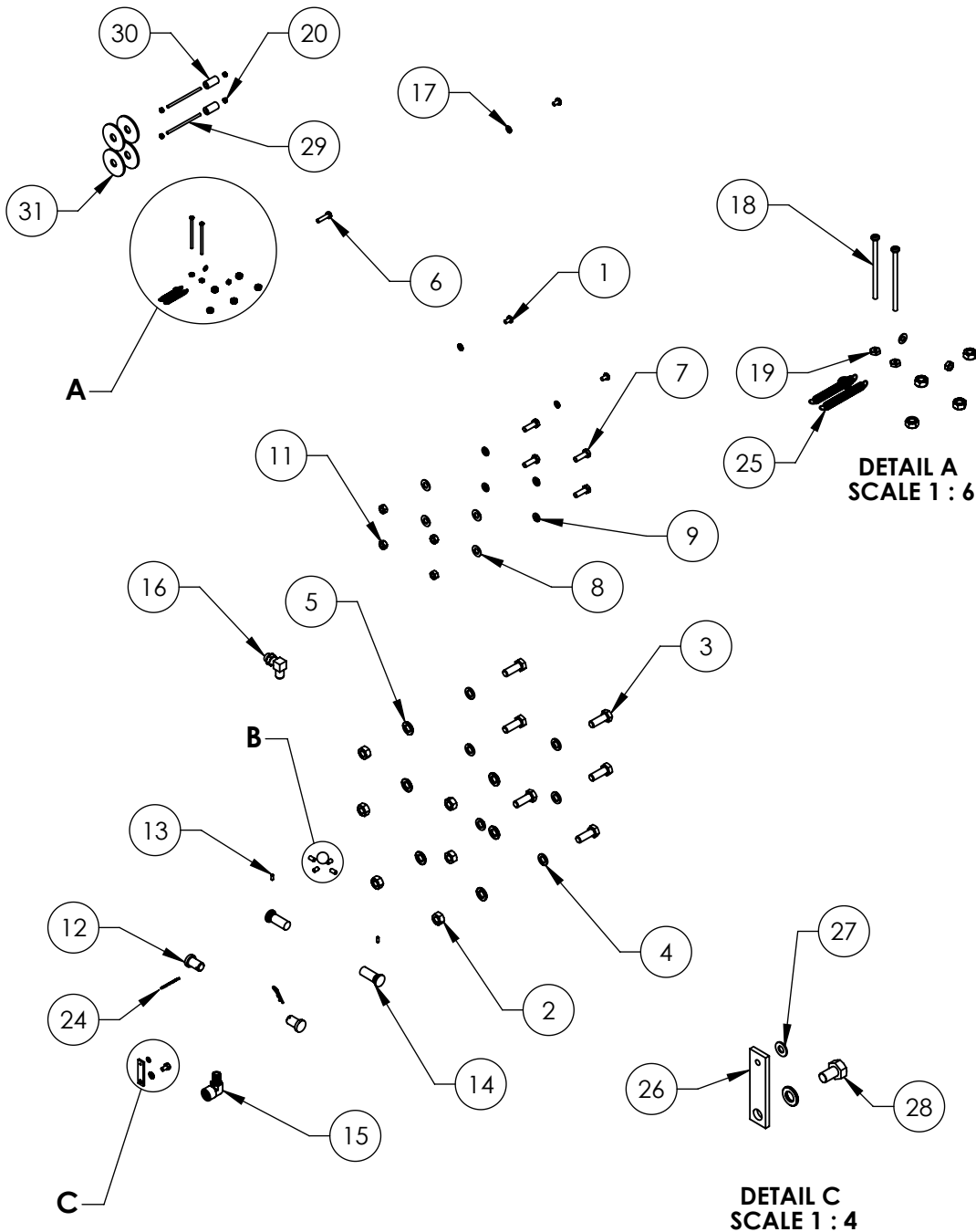
NOTE: UNLESS OTHERWISE SPECIFIED.

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

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
K	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720
L	ADDED 5905580, 5905615, 5905620, 5905311, AND 5905675, UPDATED BOM REVISIONS	11/02/2015	TM	00737
M	ADDED 5905595, UPDATED BOM REVISION	08/24/2016	DB	00774

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245121	PCL-18B COLUMN SUPERSTRUCTURE	1	T
2	5250350	PCL-18B PARTS BOX, SECONDARY COLUMN	1	G
3	5600449	PCL-18B DISPLACEMENT SENSOR COVER WELDMENT	1	D
4	5620113	PCL-18B TOW ANCHOR WELDMENT	1	D
5	5600032	PCL-18B TOW CART BRACKET WELDMENT	1	F
6	5215047	PCL-18B MOTOR COVER ASSEMBLY	1	F
7	5215400	PCL-18B CONTROL BOX ASSEMBLY, POST C	1	H
8	5215670	PULL HANDLE ASSEMBLY	1	--
9	5905580	PCL-18 ALI SAFETY LABEL KIT	1	--
10	5905615	PCL-18 WARNING LABEL	1	--
11	5905620	PCL-18 INSTRUCTIONS LABEL	1	--
12	5905311	BENDPAK LABEL; 4 x 38" WHITE INK	1	--
13	5905675	MAX CAP NRTL DANGER 18K	1	--
14	5905595	PCL-18B Column Indicator C	1	A

DO NOT SCALE DRAWING		NAME		DATE		 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM 		DRAWN	TM	09/30/2011		TITLE: PCL-18B PRODUCTION COLUMN, POST C	
		CHECKED	DB	08/29/2016			
		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.							
		SIZE		DWG. NO.		REV	
		A		5260331		M	
SCALE: 1:18						SHEET 1 OF 2	



NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY
5250221
5250350

REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	REPLACED 5505350 WITH 5505335	01/25/2013	TM	00574
F	REPLACED 5530027 WITH 5530252, REPLACED (1) 5535357 WITH 5535010, ADDED (1) 5545009	02/15/2013	TM	00578
G	ADDED 5545036, UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/24/2015	JM	00720

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5530079	BPHS M6 x 1.0 x 10	3	--
2	5535354	NUT M12 x 1.75	6	--
3	5530076	HHB M12 x 1.75 x 35mm	6	--
4	5545201	WASHER M12 SPRING LOCK	6	--
5	5545347	WASHER M12 FLAT WASHER	6	--
6	5530756	HHB M6 x 1 x 25	1	--
7	5530010	HHB M8 x 1.25 x 25	4	--
8	5545021	WASHER M8 x Ø20 FLAT	4	--
9	5545202	WASHER M8 x Ø15 SL	4	--
10	5535357	NUT M6 x 1.0 NL	6	--
11	5535001	NUT M8 x 1.25 NL	4	A
12	5505117	PCL-18B TOW ANCHOR PIN	2	C
13	5530157	SSS M4 x 0.7 x 10	2	--
14	5505109	PCL-18B TOW CART TIE PIN	2	C
15	5550109	FIG ELB -06 JIC x -06 F NPT	1	--
16	5550183	FIG ELB -06 JIC -06L ORB	1	--
17	5545005	M6 FLAT WASHER	4	--
18	5530147	BHS 6-32 x 2.5	2	--
19	5535190	HN 6-32	2	--
20	5535010	Nut M4 X 0.7	5	--
21	5745215	PCL-18B WHEELED JACK PIVOT BEARING	1	C
22	5530057	SSS M5 x 0.8 x 10	2	--
23	5530099	SSS M6 x 1.0 x 12	2	--
24	5505335	HAIR PIN #203 Ø0.093" X 1 5/8"	2	--
25	5540041	PULL SPRING Ø6.35 x 50mm	2	A
26	5736532	PCL-18B STRING POT LINKAGE	1	B
27	5545009	WASHER Ø4.3 x Ø9mm x 0.8mm	2	--
28	5530181	HHB M6 x 1.0 x 10	1	--
29	5530233	M4 x 0.7 x 80 THREADED ROD	2	--
30	5746294	PCL-18B STRING POT MOUNTING SPACER	2	B
31	5545036	WASHER M12 x Ø37 x 3mm	4	--

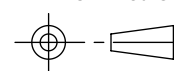
DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	07/14/2009
CHECKED CA	09/23/2015

THIRD ANGLE PROJECTION



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TITLE:

PCL-18B PARTS BAG

SIZE DWG. NO.

A 5174499

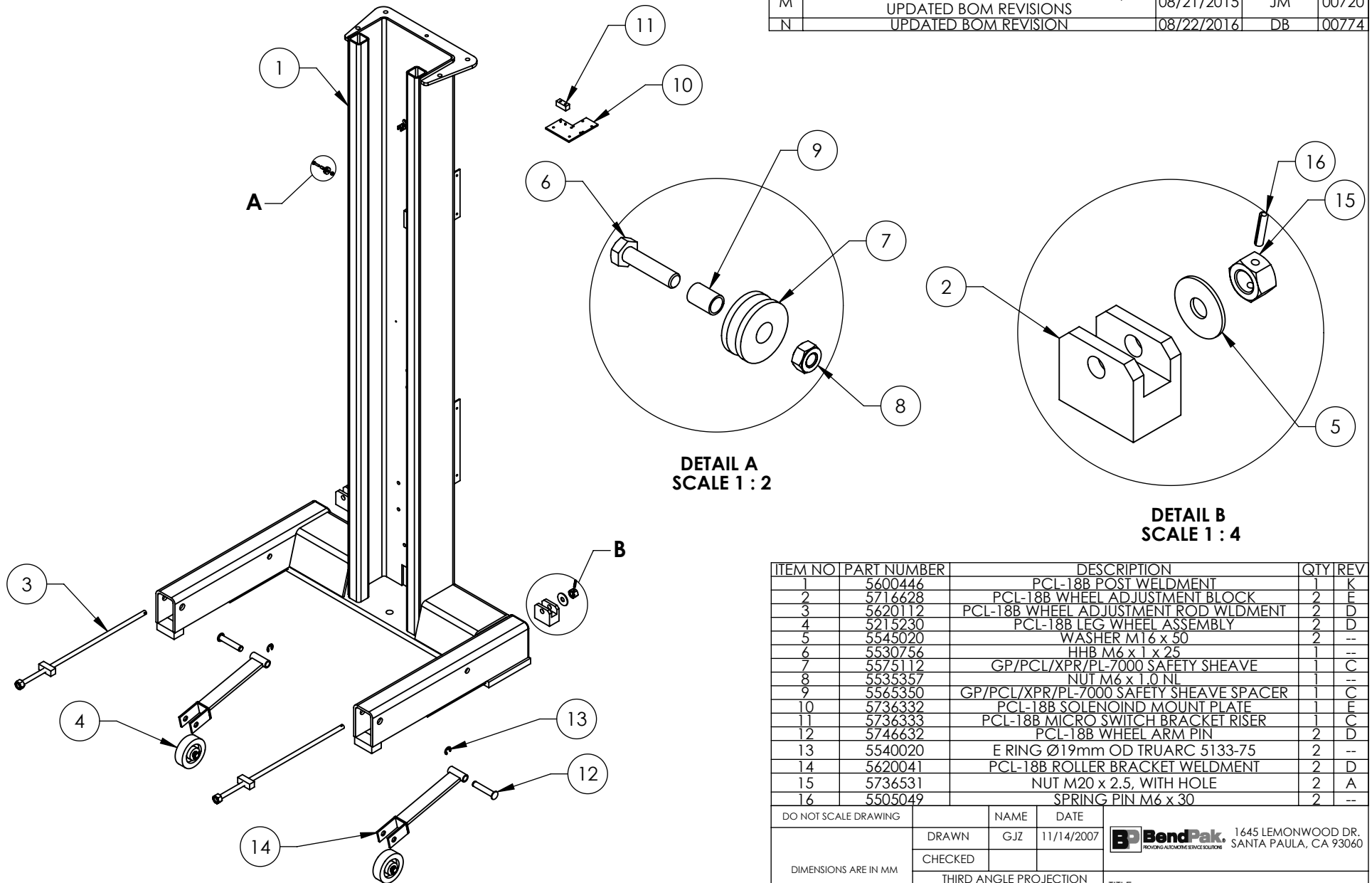
REV

G

SCALE: 1:12

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
L	UPDATED BOM REVISIONS	04/21/2015	MR	00702
M	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720
N	UPDATED BOM REVISION	08/22/2016	DB	00774



NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. ASSEMBLE ITEMS AS SHOWN
3. 5620041 MUST SWING FREELY

NEXT ASSEMBLY
5245121

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600446	PCL-18B POST WELDMENT	1	K
2	5716628	PCL-18B WHEEL ADJUSTMENT BLOCK	2	E
3	5620112	PCL-18B WHEEL ADJUSTMENT ROD WLDMENT	2	D
4	5215230	PCL-18B LEG WHEEL ASSEMBLY	2	D
5	5545020	WASHER M16 x 50	2	--
6	5530756	HHB M6 x 1 x 25	1	--
7	5575112	GP/PCL/XPR/PL-7000 SAFETY SHEAVE	1	C
8	5535357	NUT M6 x 1.0 NL	1	--
9	5565350	GP/PCL/XPR/PL-7000 SAFETY SHEAVE SPACER	1	C
10	5736332	PCL-18B SOLENOID MOUNT PLATE	1	E
11	5736333	PCL-18B MICRO SWITCH BRACKET RISER	1	C
12	5746632	PCL-18B WHEEL ARM PIN	2	D
13	5540020	E RING Ø19mm OD TRUARC 5133-75	2	--
14	5620041	PCL-18B ROLLER BRACKET WELDMENT	2	D
15	5736531	NUT M20 x 2.5, WITH HOLE	2	A
16	5505049	SPRING PIN M6 x 30	2	--

DO NOT SCALE DRAWING

NAME DATE

DRAWN GJZ 11/14/2007

CHECKED

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN MM



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THE WRITTEN PERMISSION OF BENDPAK INC. IS
PROHIBITED.

BendPak 1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

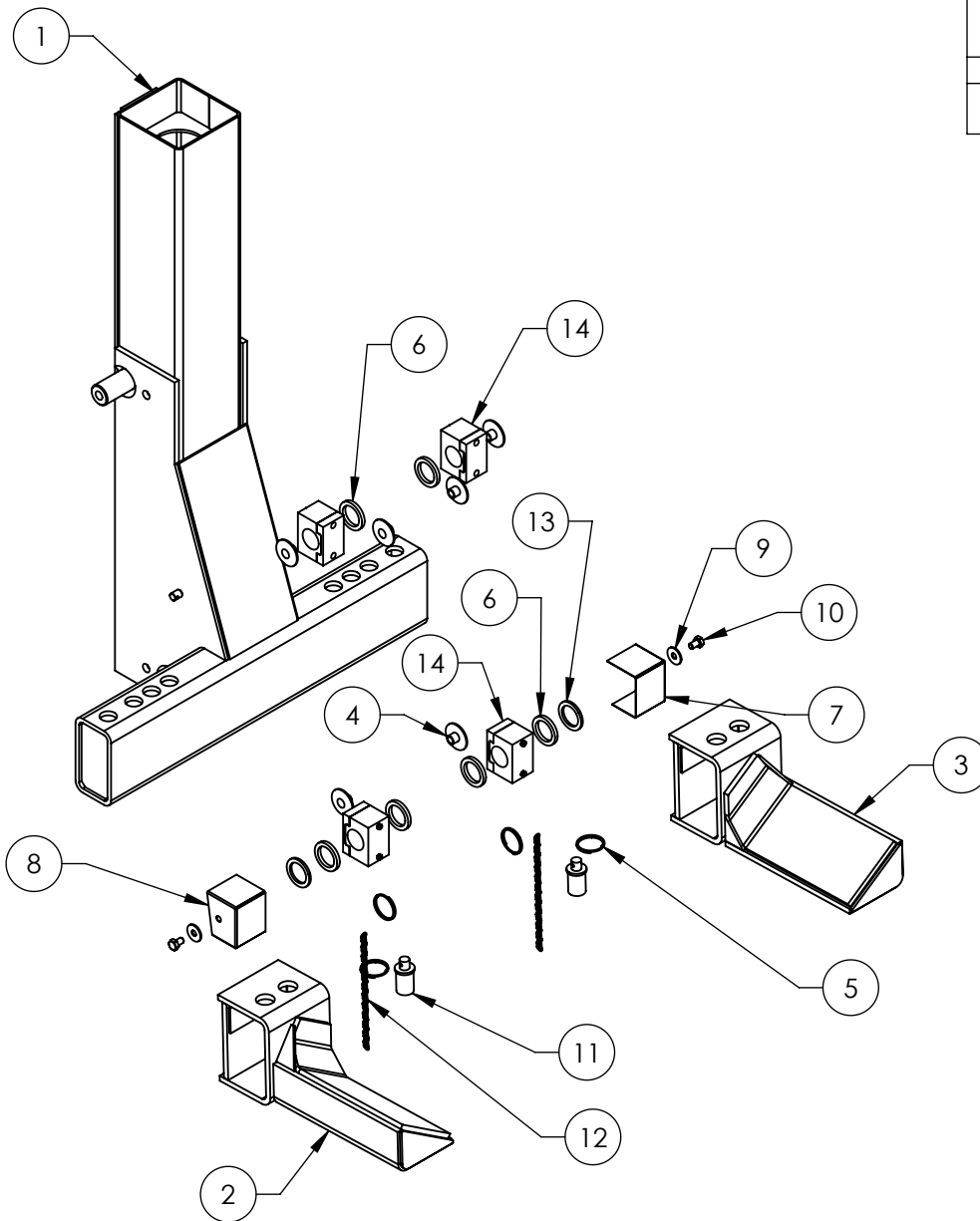
TITLE: PCL-18B POST ASSEMBLY

SIZE DWG. NO. REV

A 5215014 N

SCALE: 1:20

SHEET 1 OF 1



NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. ASSEMBLE ITEMS AS SHOWN
3. ATTACH KEYRINGS TO THE ENDS OF EACH CHAIN
4. ATTACH KEYRINGS TO FORK PIN AND LIFT HEAD

NEXT ASSEMBLY
5245121

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
H	REPLACED 5716169 WITH 5716159, REPLACED 5575092 WITH 521542, REPLACED 5600455 WITH 5600885, AND 5600447 WITH 5600884	02/17/2015	MR	00651
J	UPDATED BOM REVISION	03/19/2015	TM	00693
K	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600448	PCL-18B CARRIAGE WELDMENT	1	H
2	5600884	PCL-18B RIGHT FORK ARM WELDMENT	1	B
3	5600885	PCL-18B LEFT FORK ARM WELDMENT	1	B
4	5716156	PCL-18B CARRIAGE SLIDE	6	C
5	5580219	KEYRING 56mm x 3mm	4	--
6	5716159	PCL-18B CARRIAGE SLIDER SPACER	6	F
7	5701424	PCL-18B CARRIAGE ROLLER COVER, R.H.	1	B
8	5701459	PCL-18B CARRIAGE ROLLER COVER, L.H.	1	E
9	5545027	WASHER M12 x Ø37 x 3mm	2	--
10	5530164	HHB M12 x 1.75 x 20	2	--
11	5746619	PCL-18B FORK PIN	2	C
12	5510105	PCL-18B LIFT HEAD PIN CHAIN	2	--
13	5746073	PCL-18B ROLLER BEARING BACKUP PLATE	2	D
14	5215421	PCL-18B CARRIAGE SLIDER ASSEMBLY, BRASS	4	C

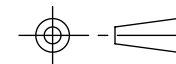
DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN GJZ	11/13/2007
CHECKED CA	09/23/2015

THIRD ANGLE PROJECTION



PROPRIETARY AND CONFIDENTIAL
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BendPak 1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

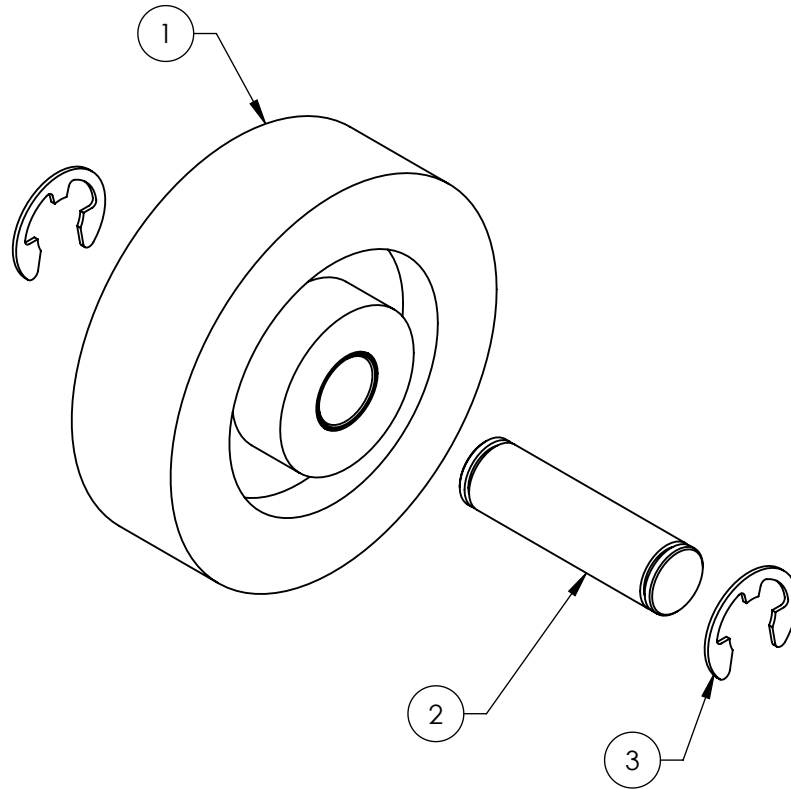
TITLE: PCL-18B CARRIAGE ASSEMBLY

SIZE	DWG. NO.	REV
A	5215034	K

SCALE: 1:15

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
B	PCL-18 WAS MCL-18, UPDATED BOM REVISIONS	09/29/2009	MT	00303
C	UPDATED BOM REVISIONS	01/08/2010	MT	00331
D	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720



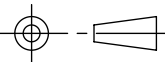
NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN

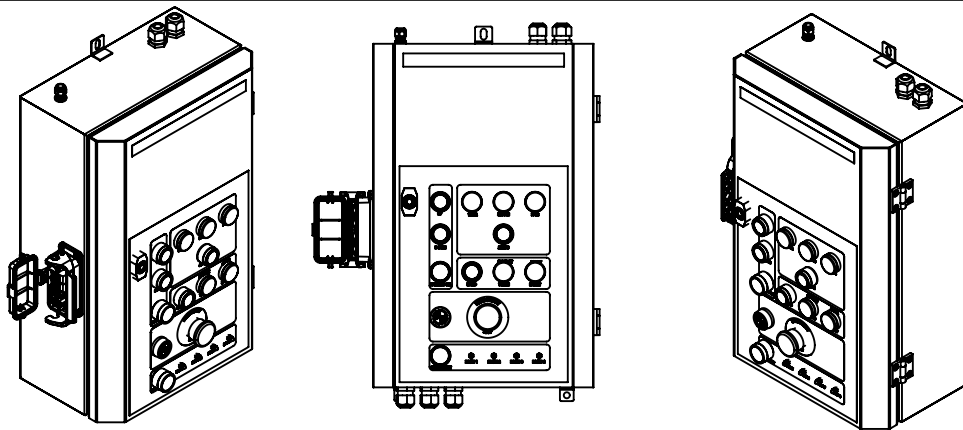
NEXT ASSEMBLY
5215014

ITEM NO	PART NUMBER	DESCRIPTION		QTY	REV
1	5215231	PCL-18B CASTER WHEEL ASSEMBLY		1	C
2	5746623	PCL-18B ROLLER PIN		1	D
3	5540030	E RING Ø22 OD TRUARC 5133-87		2	-

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DRAWN		AC	06/30/2009		
CHECKED		CA	09/23/2015		

DIMENSIONS ARE IN MM		THIRD ANGLE PROJECTION		TITLE: PCL-18B LEG WHEEL ASSEMBLY		
				SIZE	DWG. NO.	REV
				A	5215230	D
				SCALE: 1:2		

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.		SHEET 1 OF 1	
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REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F	ADDED ELECTRONIC COMPONENTS, ADDED 5530174, REPLACED 5620497 WITH 5620498, REPLACED 5530094 WITH 5530274, UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/26/2015	JM	00720
G	REPLACED 5520018 WITH 5520020, 5930636 WITH 5905636	11/02/2015	TM	00737
H	REPLACED 5520643 WITH 5520026, UPDATED BOM REVISION	08/22/2016	DB	00774

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5715368	PCL-18B FOAM TAPE	1	-
2	5520226	HAN 16B-HBM SINGLE LEVER COVER	1	-
3	5520218	HAN 40A AXIAL MODULE, FEMALE	2	-
4	5520216	HAN MODULAR FRAME 16 HOOD 4 MODULE A-D	1	-
5	5520213	HAN ES MODULE, CAGE CLAMP MALE	2	-
6	5620498	PCL-18B CONTROL BOX WELDMENT, POST C	1	E
7	5620450	PCL-18B BOX COVER WELDMENT, SECONDARY COLUMN	1	D
8	5701464	PCL-18B CONTORL BOX INSIDE PLATE	1	F
9	5545005	M6 FLAT WASHER	4	-
10	5535112	NUT M6 x 1.0	4	-
11	5530237	BHPS M5 x 0.8 x 6	15	-
12	5580120	SURFACE MOUNT HINGE, 1.5" x 1.5"	2	-
13	5530274	FHS M5 x 0.8	8	-
14	5520468	DIN 3 RAIL; 35mm	5	711mm
15	5520469	WIRE DUCT	5	1160mm
16	5520424	THERMAL OVERLOAD 5-8A	1	-
17	5520421	POWER SUPPLY 24VDC, 2.5A, 60W DIN RAIL	1	-
18	5520417	DL05-06 ETHERNET MODULE	1	-
19	5520416	CURRENT ANALOGUE MODULE INPUT 4-20mA	1	-
20	5520641	LED INDICATOR, RED, 24VDC	4	-
21	5520644	22mm PANEL MOUNT ILLUMINATED PUSH BUTTON/GREEN	1	-
22	5520026	22mm PANEL MOUNT ILLUMINATED N.O. PUSH BUTTON/RED	1	-
23	5520401	PUSH BUTTON, 22mm, EMERGENCY	1	-
24	5520429	AUDIBLE BUZZER, 22mm, RED LED, 24V	1	-
25	5520638	IND LIGHT, 22mm, 24V, LED, GREEN	2	-
26	5520640	IND LIGHT, 22mm, 24VDC, LED, YELLOW	2	-
27	5520639	IND LIGHT, 22mm, 24VDC, LED, RED	1	-

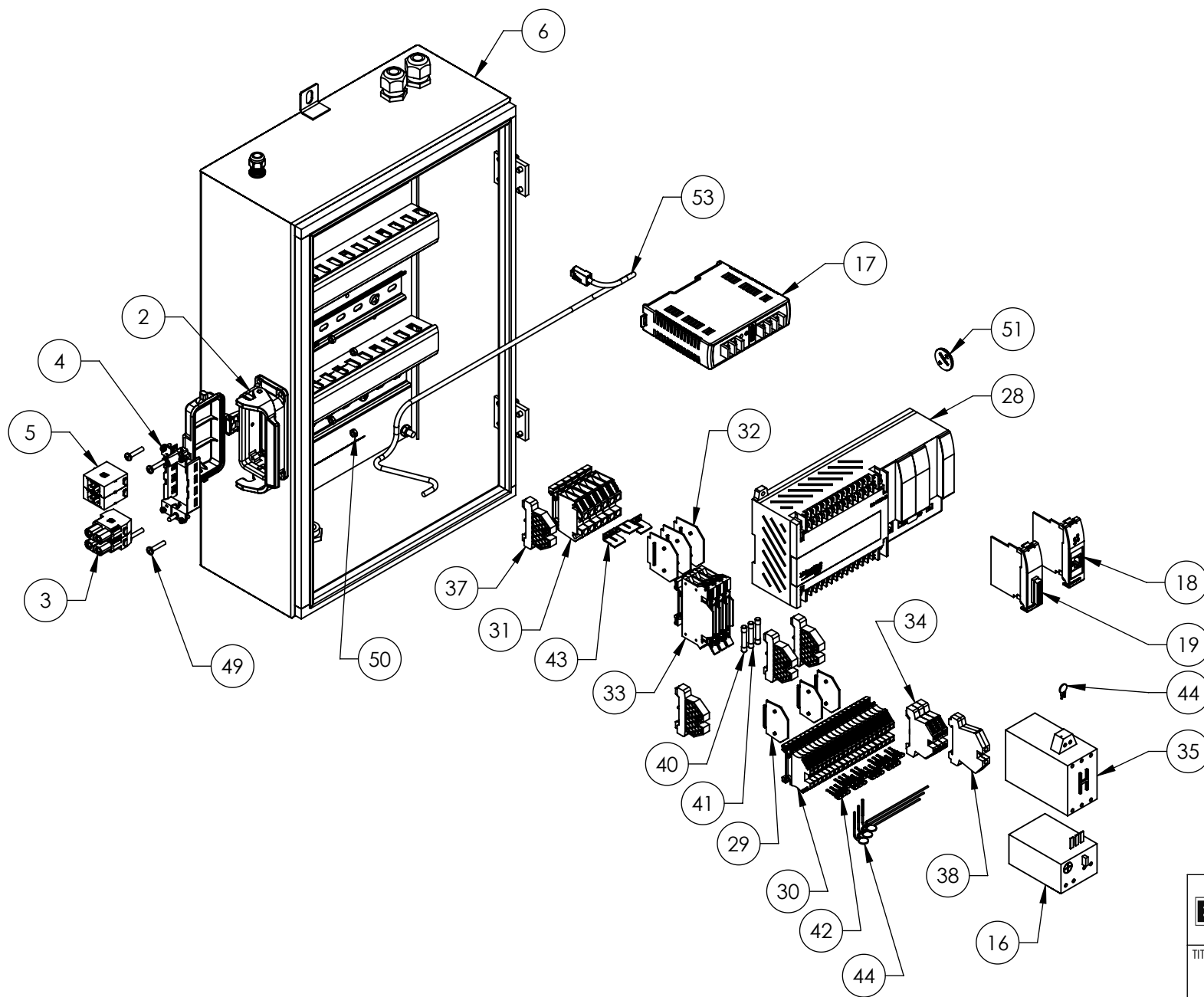
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
28	5520545	CONTROLLER 20 INPUT/16 RELAY OUTPUT 24V	1	-
29	5520437	END COVER FOR DN-T12-A OR DN-T10-A SERIES	3	-
30	5520436	TERMINAL BLOCK 10AWG, 30A, GRAY	20	-
31	5520434	TERMINAL BOLCK, 6AWG, 65A, GRAY	6	-
32	5520435	END COVER FOR DN-T8 OR DN-T6	3	-
33	5520433	FUSE HOLDER 6AWG 30A	3	-
34	5520432	GROUNDING TERMINAL 24-10 AWG	3	-
35	5520423	3 POLE CONTACTOR 9A 24VDC COIL	1	-
36	5550479	CORD CRIMP	5	-
37	5520438	TERMINAL BLOCK END BRACKET, SCREW DOWN, 9mm WIDE	4	-
38	5520441	GROUND TERMINAL 6AWG	1	-
39	5520642	22mm PANEL MOUNT MOMENTARY PUSH BUTTON SWITCH/BLACK	4	-
40	5520581	FUSE, 5A, 1-1/4" X 1/4"	1	-
41	5326088	FUSE, 2A, 1-1/4" X 1/4"	2	-
42	5520439	JUMPER, MULTIPLE DINNECTOR TERN BLKS	1	-
43	5520442	TERMINAL JUMPER DN-55J6 FOR DN-T6	1	-
44	5520172	VARIATOR 30V 1KA DISC 10MM	4	-
45	5520249	3M VHB FOAM TAPE 75935A31	1	-
46	5520466	PCL-18B DOOR LOCK ASSEMBLY	1	A
47	5905636	LABEL; PCL-18; CONTROL PANEL BUTTONS/SECONDARY	1	-
48	5550513	CORD GRIP, PG-9	1	-
49	5530174	PHPS M4 x 0.7 x 20	4	-
50	5535010	Nut, M4 X 0.7	4	-
51	5520443	DL06 CPU BATTERY	1	-
52	5905234	WIRE MARKER, .25" SQUARE	29	-
53	5520020	PCL-18B CAT5 CABLE ASSEMBLY, COLUMN A, B & C, 570mm L	1	A

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5260130

DO NOT SCALE DRAWING		NAME	DATE
DRAWN		TM	09/30/2011
CHECKED		DB	08/26/2016
DIMENSIONS ARE IN MM		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.	
		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE: PCL-18B CONTROL BOX ASSEMBLY, POST C			
SIZE	DWG. NO.	REV	
A	5215400	H	
SCALE: 1:5			SHEET 1 OF 7



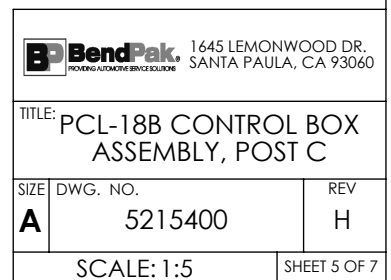
BendPak 1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: PCL-18B CONTROL BOX
ASSEMBLY, POST C

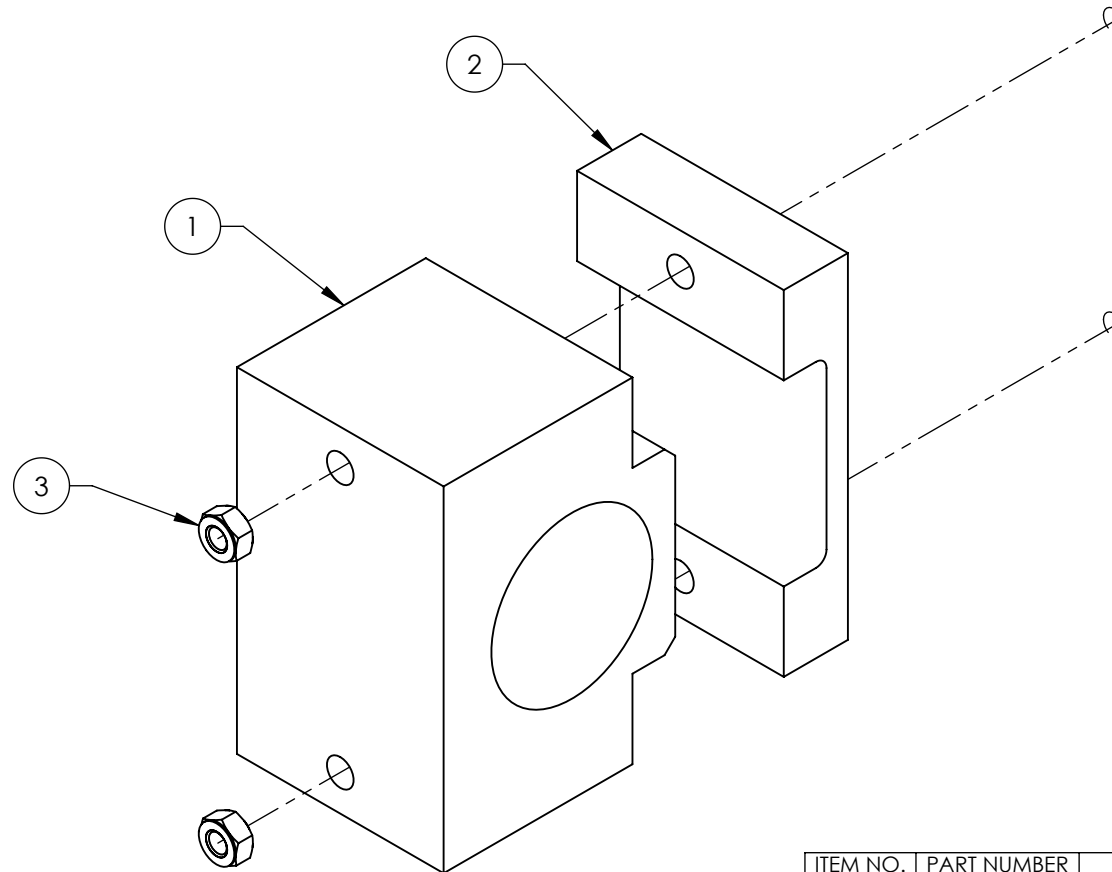
SIZE	DWG. NO.	REV
A	5215400	H

SCALE: 1:5

SHEET 3 OF 7



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE DERIVED FROM 5215409	02/18/2015	MR	00651
B	UPDATED BOM REVISION	06/08/2015	TM	00702
C	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5736348	PCL-18B CARRIAGE SLIDER HOLDER	1	C
2	5716104	PCL-18B BRASS CARRIAGE SLIDER	1	C
3	5535357	NUT M6 x 1.0 NL	2	--

DO NOT SCALE DRAWING		NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DIMENSIONS ARE IN MM 		DRAWN	AC 11/11/2010	
		CHECKED	CA 09/23/2015	
THIRD ANGLE PROJECTION 		TITLE: PCL-18B CARRIAGE SLIDER ASSEMBLY, BRASS		
		SIZE DWG. NO.		REV
		A 5215421		C
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: 2:3
NEXT ASSEMBLY 5215034				SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN

PART SPECIFICATION FORM

BENDPAK Number:	5215670
MRP Description:	PULL HANDLE ASSEMBLY
Date:	05/01/2015
ECO :	00702

1. Engineering Specification

Application:

HAND PUMP JACK

Detailed Description:

Hand Pallet Truck Assembly include handle, pump unit and back wheel.

ROD HEAD: .45" / 11mm HEIGHT

CENTER OF ROD HEAD TO FRONT EDGE OF PUMP BODY: 3" / 72mm

WIDTH OF PUMP BODY: 3.6" / 92mm

TOP OF ROD HEAD TO BOTTOM OF RHOMBUS PLATE: 9-1/2" / 184.15mm

LENGTH OF ROMBUS PLATE: 10" / 258mm

WHEELS: Ø200 x 50mm W

ADDITIONAL CONTACT INFORMATION:

Changzhou Yi-Lift material handling equipment Co., Ltd.

Xue shu xiang, Yaoguan Town,

Wujin District, Changzhou 213102 Jiangsu, P.R. China

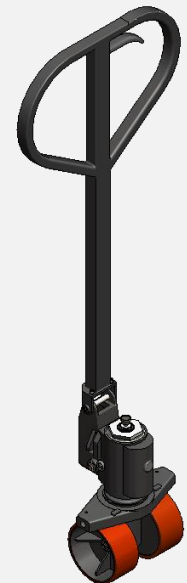
Contact Name: Jack

Tel: 0086-0510-68866121

Fax: 0086-0510-82730160

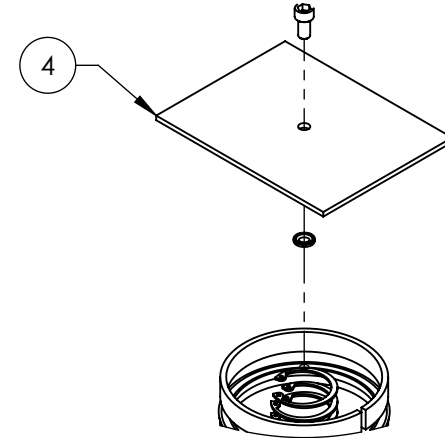
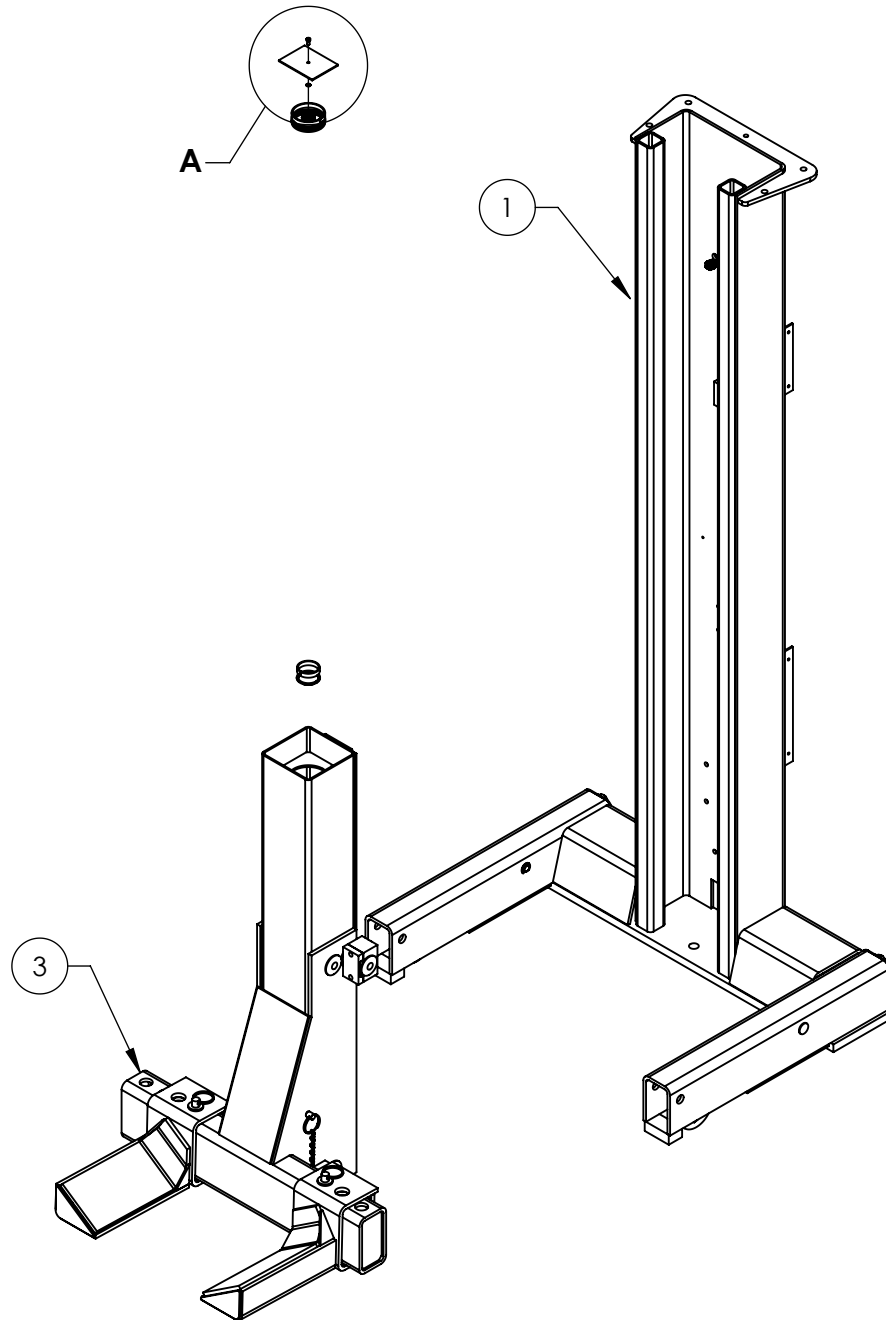
E-mail: jack@yi-lift.com

Http: www.yi-lift.com



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1) CHANGZHOU YI-LIFT MATERIAL HANDLING EQUIPMENT CO., LTD.	TYPE9	0086-0510-68866121 jack@yi-lift.com	YES
2)			
3)			



**DETAIL A
SCALE 1 : 4**

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5260130
5260330
5260331
5260333

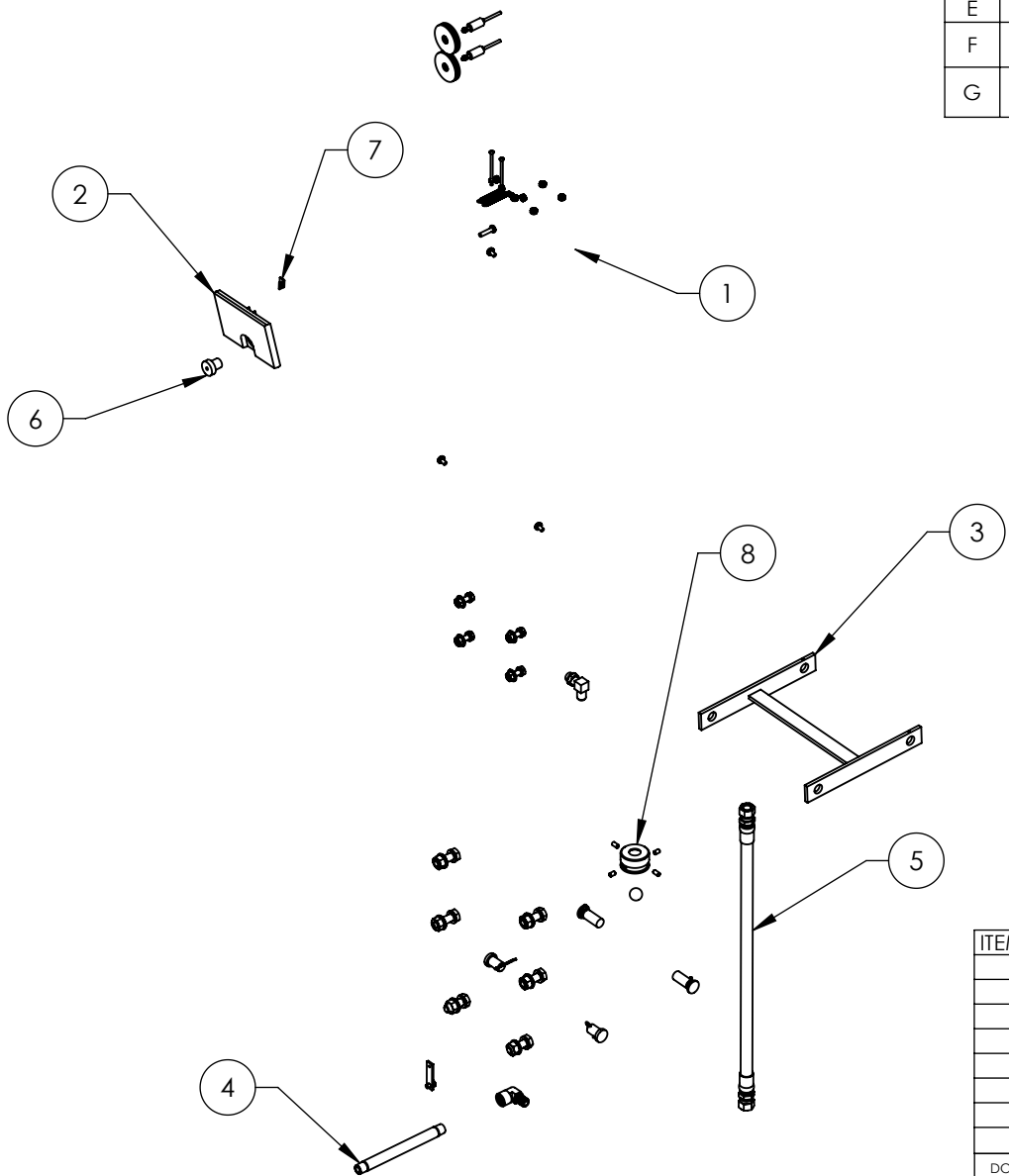
REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
Q	UPDATED BOM REVISION	04/21/2015	MR	00702
R	UPDATED TITLE TO REFLECT WHERE USED , UPDATED BOM REVISIONS	08/21/2015	JM	00720
T	UPDATED BOM REVISION	08/22/2016	DB	00774

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5215014	PCL-18B POST ASSEMBLY	1	N
2	5502304	CYLINDER ASSEMBLY Ø3.5 x 69	1	C
3	5215034	PCL-18B CARRIAGE ASSEMBLY	1	K
4	5701103	PCL-18B CYLINDER STOPPER	1	C

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. PROVIDING AUTOMATIC SERVICE SOLUTIONS SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM 		DRAWN	TM	07/14/2009	
		CHECKED	DB	08/29/2016	
		THIRD ANGLE PROJECTION			TITLE: PCL-18B COLUMN SUPERSTRUCTURE
		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	5245121		T		
SCALE: 1:20					SHEET 1 OF 1

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

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	ADDED 5905105, UPDATED BOM REVISIONS	07/18/2013	TM	00610
F	UPDATED TITLE TO REFLECT WHERE USED , UPDATED BOM REVISIONS	08/21/2015	JM	00720
G	REMOVED 5905580, 5905615, 5905620, AND 5905105	11/02/2015	TM	00737



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5174499	PCL-18B PARTS BAG	1	G
2	5600704	PCL-18B SAFETY BLOCK WELDMENT	1	C
3	5600278	PCL-18B TOW CART TIE PLATE WELDMENT	1	D
4	5756113	PCL-18B HYDRAULIC TUBE	1	C
5	5570872	PCL-18B HYD. HOSE ASSY Ø10 x 850mm DS	1	C
6	5746615	PCL-18B SAFETY PIVOT PIN	1	D
7	5721099	PCL-18B SOLENOID TRIP BRACKET	1	D
8	5746257	PCL-18B WHEELED JACK RETAINER RING	1	C

DO NOT SCALE DRAWING

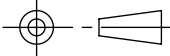
DIMENSIONS ARE IN MM



NEXT ASSEMBLY
5620330
5620331
5620333

NAME	DATE
DRAWN TM	11/02/2011
CHECKED CA	11/20/2015

THIRD ANGLE PROJECTION



PROPRIETARY AND CONFIDENTIAL
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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: PCL-18B PARTS BOX,
SECONDARY COLUMN

SIZE	DWG. NO.	REV
A	5250350	G

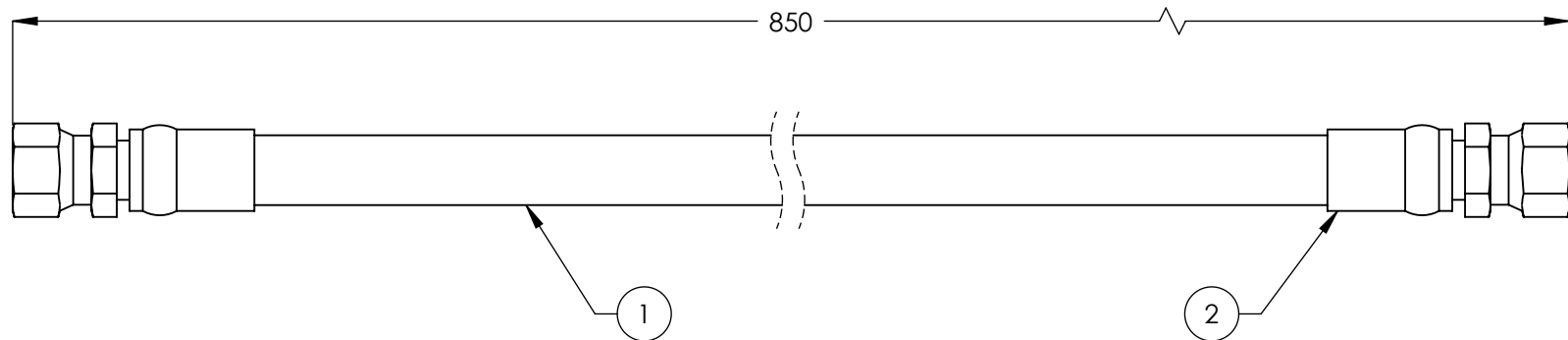
SCALE: 1:12

SHEET 1 OF 1

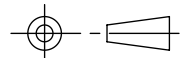
NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

REVISION				
REV.	DESCRIPTION	DATE	EDITED BY	ECO #
A	PRODUCTION RELEASE	08/26/2009	AC	00136
B	PCL-18 WAS MCL-18	09/29/2009	MT	00303
C	UPDATED TITLE TO REFLECT WHERE USED	08/24/2015	JM	00720



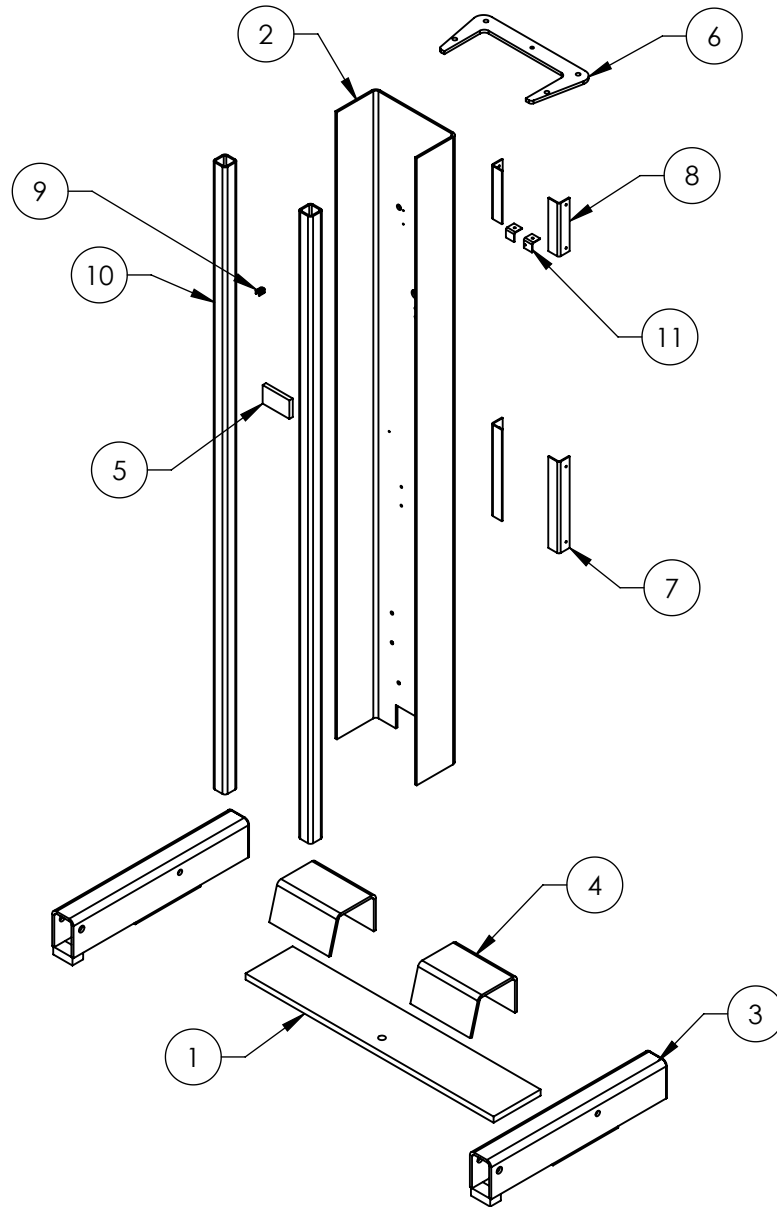
ITEM NO	PART NUMBER	DESCRIPTION	QTY.	REV
1	5570116	Ø10 ID HYDRAULIC HOSE	818*mm	-
2	5550336	FTG NPL -06 CRIMP x -06 JIC	2	-

DO NOT SCALE DRAWING		NAME	DATE	 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			08/26/2009
		CHECKED	CA			09/24/2015
		THIRD ANGLE PROJECTION		TITLE: PCL-18B HYD. HOSE ASSY Ø10 x 850mm 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		5570872		C		
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
5250221

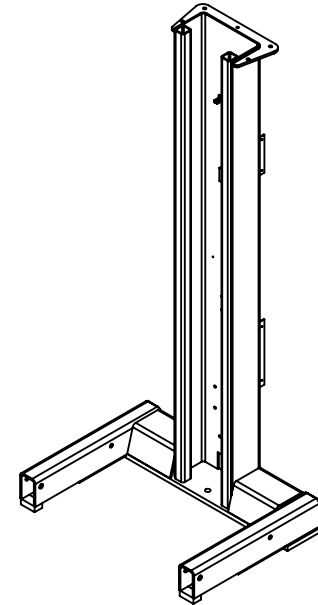


NOTE: UNLESS OTHERWISE SPECIFIED.

1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
2. REMOVE ALL WELD SPLATTER
3. PAINT BENDPAK BLUE
4. DRILL AFTER WELD

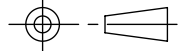
NEXT ASSEMBLY
5215014

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
H	REPLACED 5736626 WITH 5736916	04/21/2015	MR	00702
J	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	08/21/2015	JM	00720
K	5701396 DISTANCE WAS 1756 NOW 1766 pg 2	09/14/2016	DB	00774

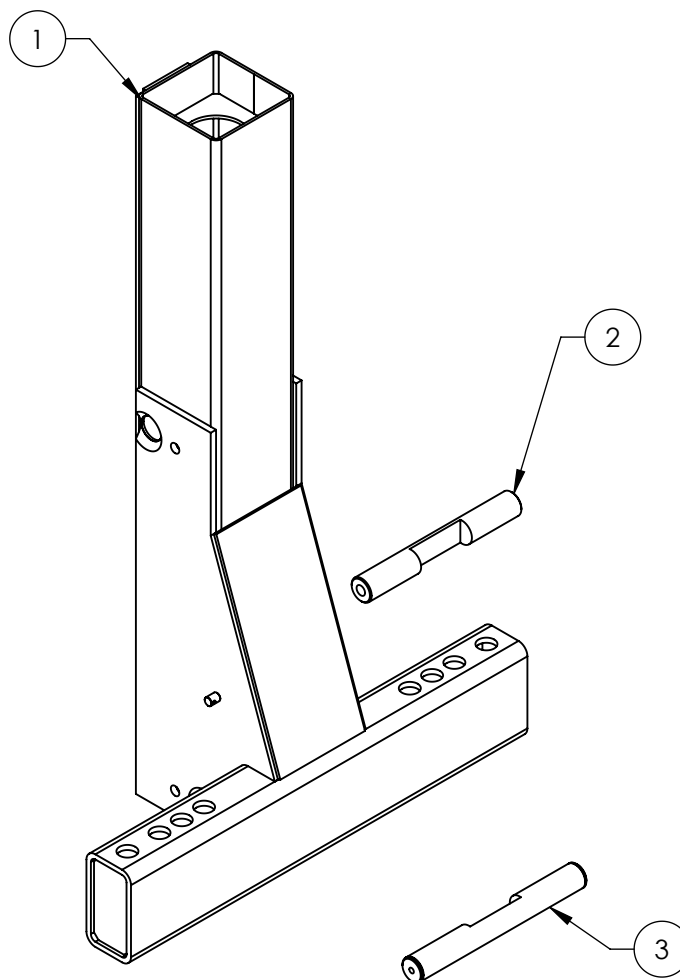


**ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE**

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5731621	PCL-18B BASE PLATE	1	C
2	5701458	PCL-18B BASE POST	1	F
3	5620033	PCL-18B LEG WELDMENT	2	D
4	5765415	PCL-18B SUPPORT BRACKET	2	C
5	5736643	PCL-18B SAFETY SUPPORT	1	C
6	5736916	PCL-18B SHIPPING ANGLE POST TOP BRACE	1	B
7	5721368	PCL-18B PUMP COVER BRACKET	2	C
8	5721098	PCL-18B SENSOR COVER BRACKET	2	C
9	5210004	GP/PCL/XPR SAFETY SHEAVE CLAMP	1	C
10	5765100	PCL-18B POST RAIL	2	C
11	5701396	PCL-18B SOLENOID MOUNT BRACKET	2	B

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		DRAWN	GJZ 11/08/2007		
ANGULAR: 0. = ±2°		CHECKED	DB 09/14/2016		
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION		TITLE: PCL-18B POST WELDMENT	
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 5600446	K
				SCALE: 1:25	
				SHEET 1 OF 3	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F	UPDATED BOM REVISION	02/17/2015	MR	00651
G	UPDATED BOM REVISIONS	03/19/2015	TM	00693
H	UPDATED TITLE TO REFLECT WHERE USED, WAS BENDPAK GRAY NOW BENDPAK BLUE, UPDATED BOM REVISIONS	08/21/2015	JM	00720

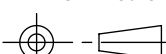


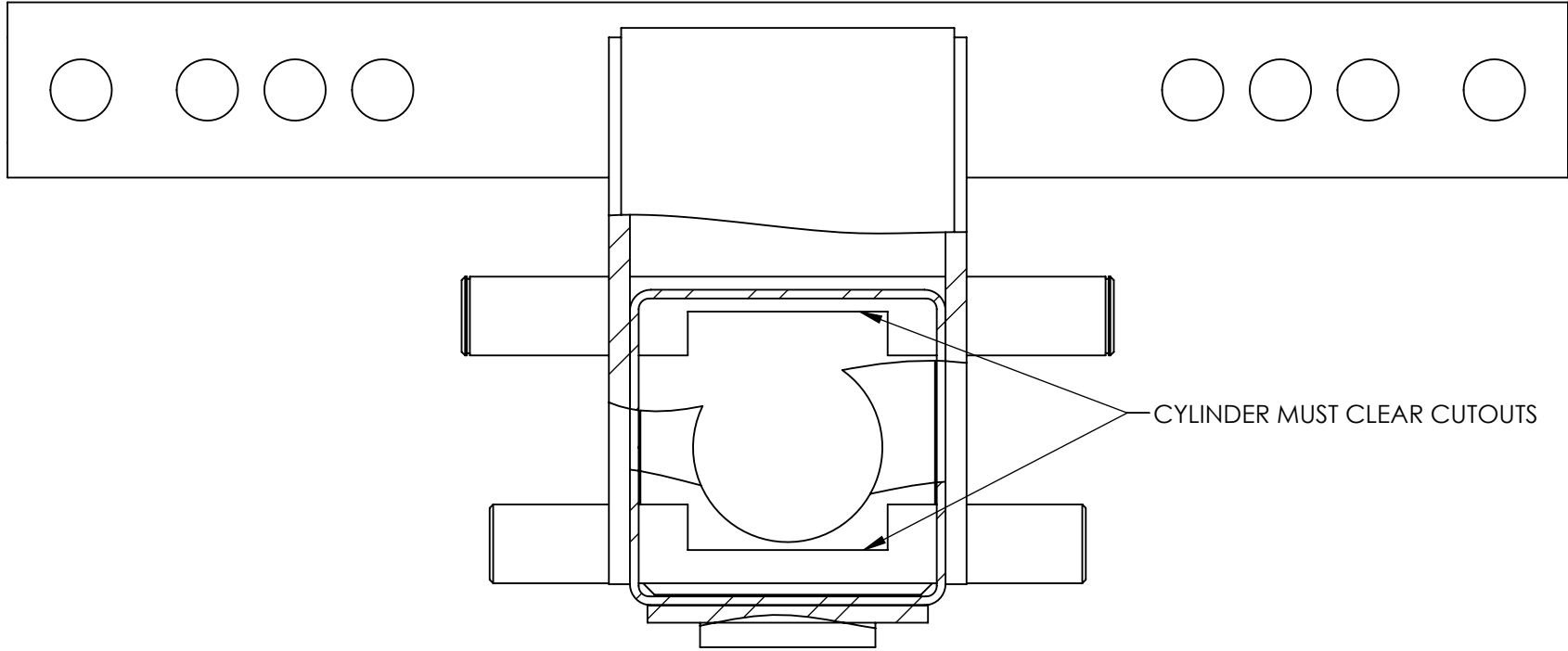
NOTE: UNLESS OTHERWISE SPECIFIED.

1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
 2. REMOVE ALL WELD SPLATTER
 3. DIMENSIONS SHOWN ARE AFTER PAINTING
 4. MASK THREADS BEFORE PAINTING
 5. PAINT BENDPAK BLUE
- CARDINAL #: T008-GR736

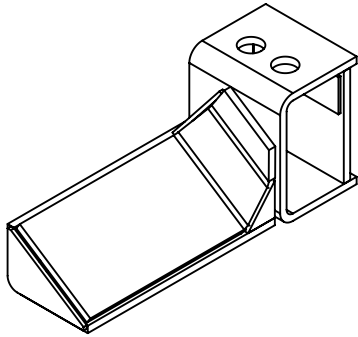
NEXT ASSEMBLY
5215034

ITEM NO	PART NUMBER	DESCRIPTION		QTY	REV
1	5620030	PCL-18B CARRIAGE SUBWELDMENT		1	F
2	5745018	PCL-18B CARRIAGE TOP SHAFT		1	E
3	5745016	PCL-18B CARRIAGE BOTTOM SHAFT		1	F

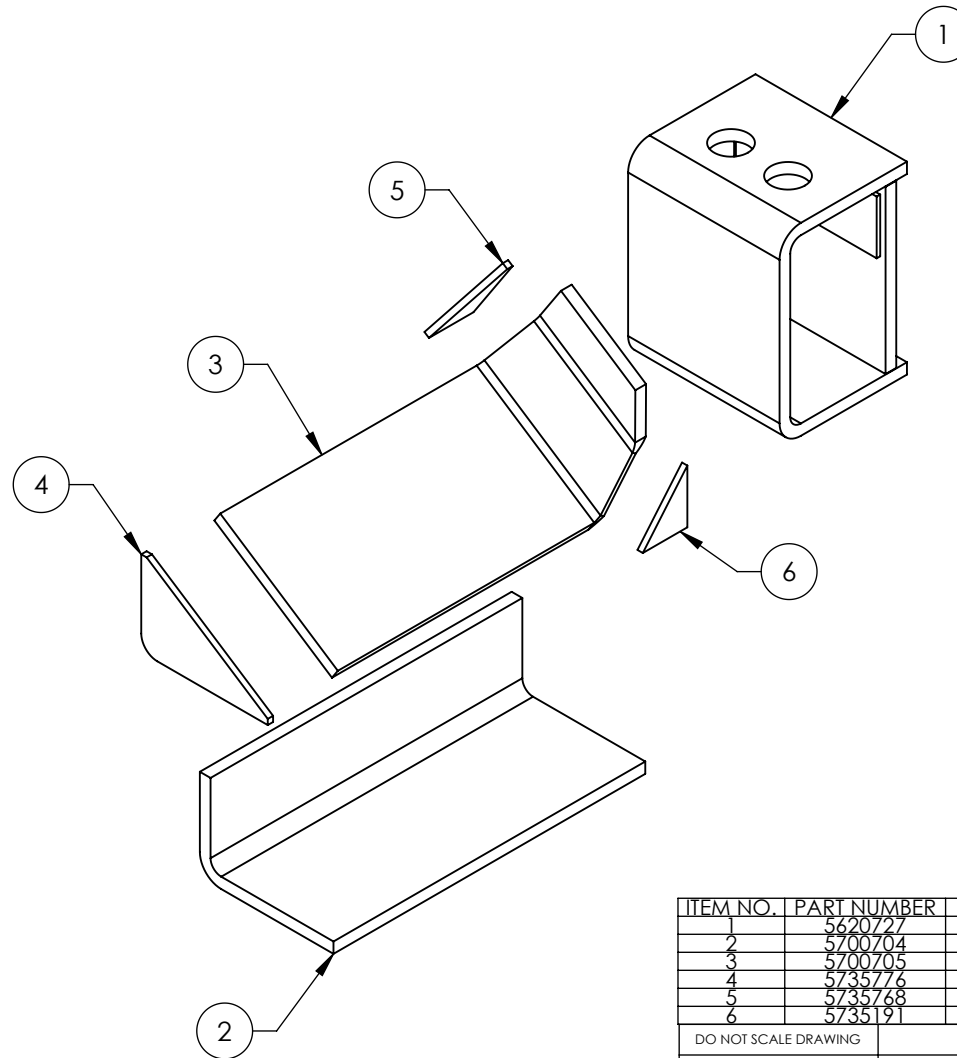
DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	DRAWN	GJZ	11/13/2007		
	CHECKED	CA	09/24/2015		
		THIRD ANGLE PROJECTION		TITLE: PCL-18B CARRIAGE WELDMENT	
				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 5600448 H	
		SCALE: 1:12			SHEET 1 OF 3



 BendPak. POWERING AUTOMOTIVE SERVICE SOLUTIONS		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE: PCL-18B CARRIAGE WELDMENT			
SIZE	DWG. NO.		REV
A	5600448		H
SCALE: 1:4			SHEET 3 OF 3



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



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 YELLOW
- CARDINAL #: T008-GR736

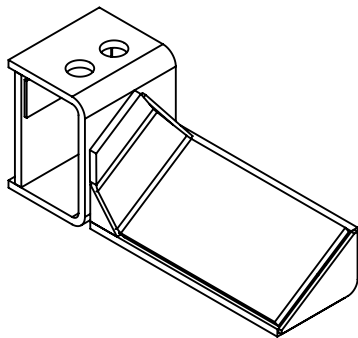
NEXT ASSEMBLY
5215034

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE DERIVED FROM 5600447	03/13/2015	MR	00651
B	UPDATED TITLE TO REFLECT WHERE USED, WAS BENDPAK GRAY NOW BENDPAK YELLOW, UPDATED BOM REVISIONS	08/21/2015	JM	00720

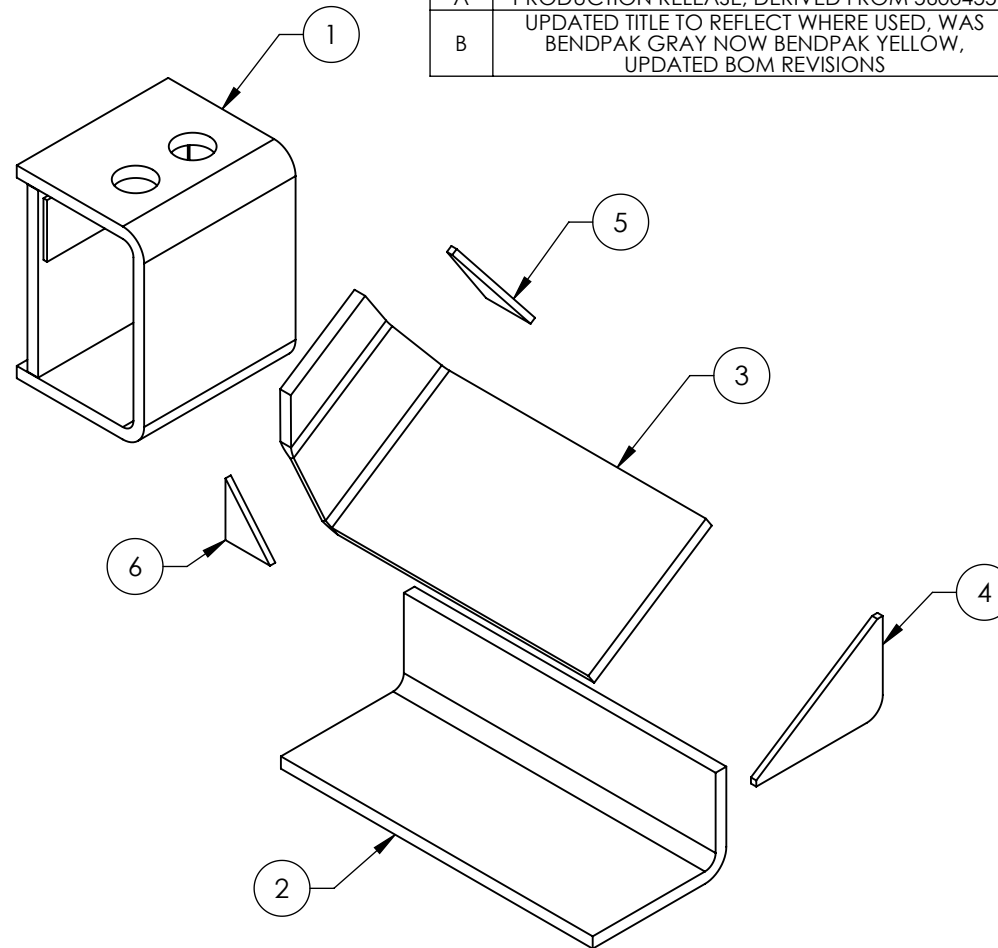
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5620727	PCL-18B ARM BASE WELDMENT	1	B
2	5700704	PCL-18B FORK ARM	1	C
3	5700705	PCL-18B RIGHT FORK ARM PLATE	1	C
4	5735776	PCL-18B FORK ARM END PLATE	1	C
5	5735768	PCL-18B FORK ARM GUSSET	1	C
6	5735191	PCL-18B FORK ARM CLOSEOUT	1	C

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. MOVING 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	GJZ	11/12/2007				
		CHECKED	CA	09/24/2015				
		THIRD ANGLE PROJECTION						TITLE: PCL-18B RIGHT FORK 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 5600884		B			
		SCALE: 1:6			SHEET 1 OF 2			

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5600455	03/09/2015	MR	00651
B	UPDATED TITLE TO REFLECT WHERE USED, WAS BENDPAK GRAY NOW BENDPAK YELLOW, UPDATED BOM REVISIONS	08/21/2015	JM	00720



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



NOTE: UNLESS OTHERWISE SPECIFIED.

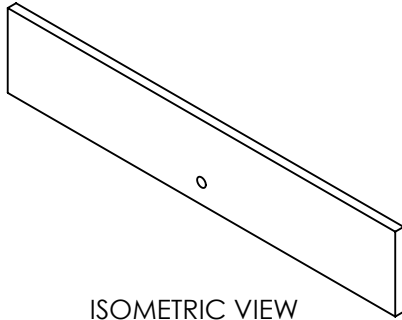
1. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
2. REMOVE ALL WELD SPLATTER
3. DIMENSIONS SHOWN ARE AFTER PAINTING
4. ARMS MUST SLIDE FREELY ON CARRIAGE BEAM
5. PAINT BENDPAK YELLOW
CARDINAL #: T008-GR736

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5620727	PCL-18B ARM BASE WELDMENT	1	B
2	5700704	PCL-18B FORK ARM	1	C
3	5700715	PCL-18B LEFT FORK ARM PLATE	1	C
4	5735776	PCL-18B FORK ARM END PLATE	1	C
5	5735768	PCL-18B FORK ARM GUSSET	1	C
6	5735191	PCL-18B FORK ARM CLOSEOUT	1	C

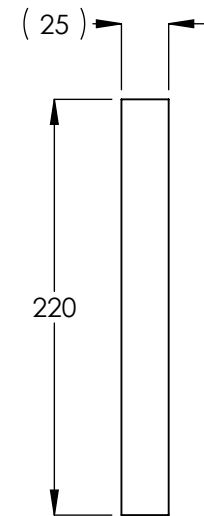
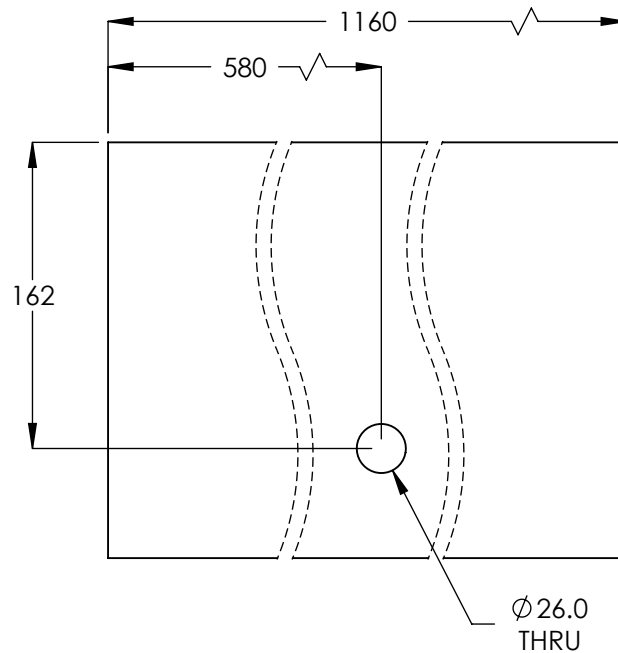
DO NOT SCALE DRAWING		NAME		DATE	
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 ANGULAR: 0. = ±2° SURFACE FINISH 1.6 ISO Ra μm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN		GJZ 11/12/2007	
		CHECKED		CA 09/24/2015	
		THIRD ANGLE PROJECTION			
		TITLE: PCL-18B LEFT FORK ARM WELDMENT			
		SIZE DWG. NO.		REV	
Y		A		5600885	
		SCALE: 1:6		SHEET 1 OF 2	
		BendPak. 1645 LEMONWOOD DR. PROVIDING AUTOMOTIVE SERVICE SOLUTIONS SANTA PAULA, CA 93060			
		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.			

NEXT ASSEMBLY
5215034

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DO NOT SCALE

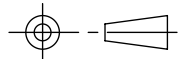


REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE	11/06/2007	GJZ	00136
B	PCL-18 WAS MCL-18	09/28/2009	MT	00303
C	UPDATED TITLE TO REFLECT WHERE USED	8/21/2015	JM	00720

NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- MATERIAL:** HR ASTM A36 OR Q235 GB/T 700

NEXT ASSEMBLY
5600446

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	GJZ 11/06/2007		
		CHECKED	CA 09/25/2015		
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.		TITLE:		PCL-18B BASE PLATE	
		SIZE	DWG. NO.	REV	
		A	5731621	C	
SCALE: 1:4				SHEET 1 OF 1	

PART SPECIFICATION FORM

BENDPAK Number:	5905234
MRP Description:	WRAP-ON WIRE MARKER
Date:	09/29/2015
ECO :	00720

1. Engineering Specification

Application:

WIRE MARKER

Detailed Description:

Adhesive-back markers wrap onto themselves to accommodate wires of various thicknesses.

Markers are oil- and water-resistant. They have continuously printed black characters on a white background.

Markers are 0.007" thick vinyl cloth and 1 1/2" long. The width varies depending on character.

*** Specify Individual Characters when ordering. (0-100, A-Z, -, +,)

2. Vendor Information (Or for Reference)

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1) McMaster-Carr	24795T1		
2)			
OR BENDPAK ENGINEERING APPROVED EQUIVALENT			

PART SPECIFICATION FORM

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
- 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 (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)			

B

E

N

D

P

A

K

BendPak

ABOVE-GROUND LIFTS



BendPak®
PROVIDING AUTOMOTIVE SERVICE SOLUTIONS



1645 Lemonwood Drive
Santa Paula, CA 93060
U.S.A.
(805) 933-9970
www.bendpak.com

P/N 5905311

PART SPECIFICATION FORM

BENDPAK Number:	5905580
MRP Description:	PCL-18 ALI SAFETY LABEL KIT
Date:	11/02/2011
ECO :	00484

1. Engineering Specification

Application:

ALI LIFT STICKER KIT

Detailed Description:



2. Vendor Information

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

PART SPECIFICATION FORM

BENDPAK Number:	5905595
MRP Description:	PCL-18B_Column_Indicator_C
Date:	08/25/2016
ECO :	ECO-00774

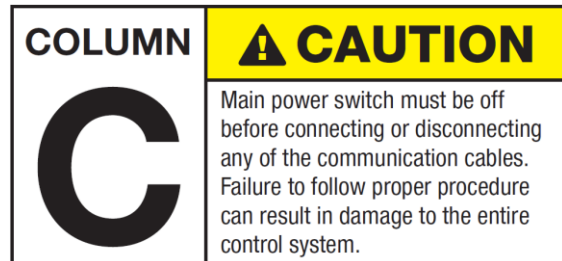
1. Engineering Specification

Application:

COLUMN INDICATOR

Detailed Description:

Trim: 4"W x 2"H
 Material: 2 Mil. White Adhesive Vinyl
 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



PN 5905595

2. Vendor Information (Or for Reference)

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