

Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK

HD-9AE

PRODUCT SKU
5175820

DRAWING Nº
5260527

CATEGORY
Four Post Lift

REV
Version AG

DATE
06.16.2022



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.

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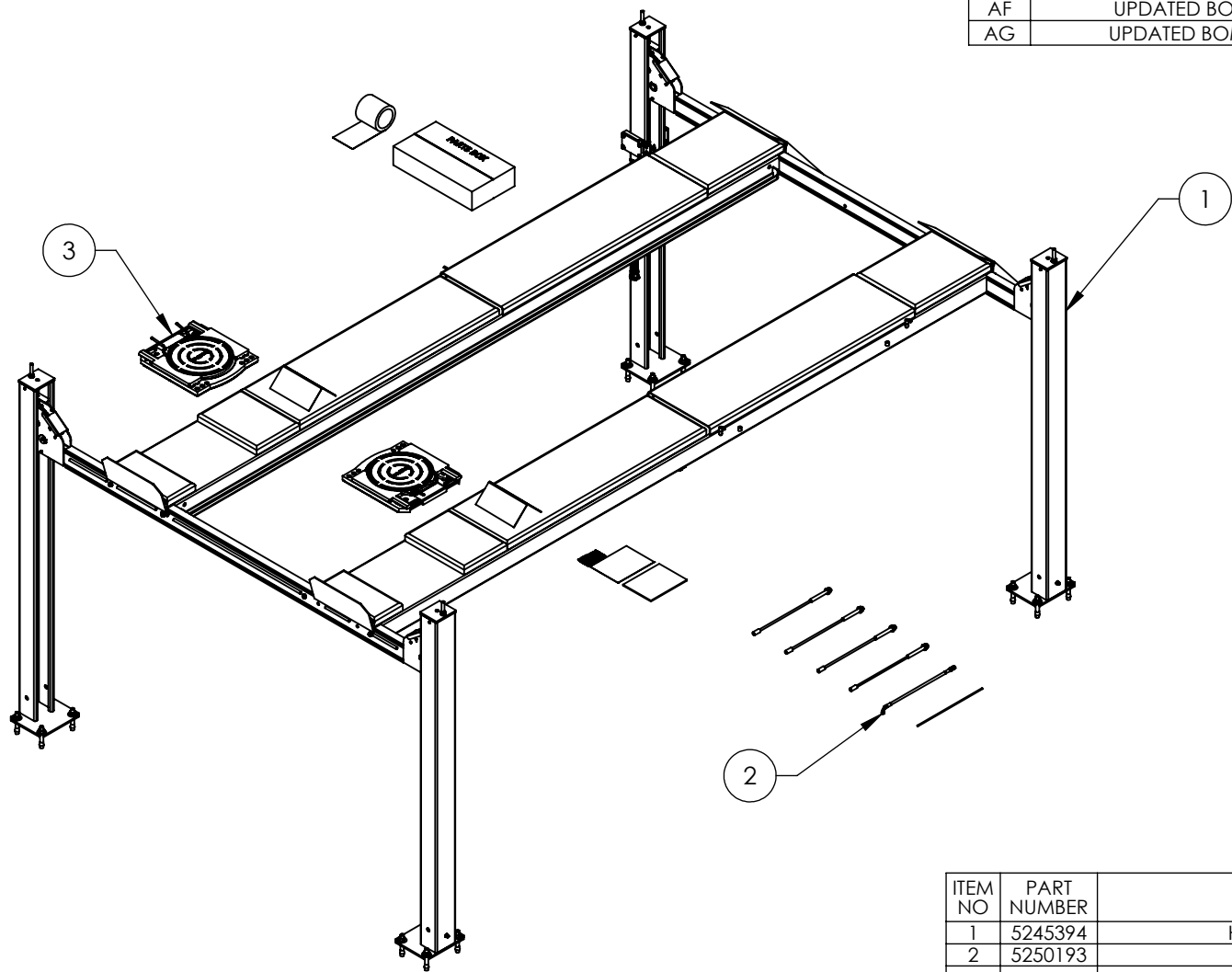
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bpkexports@bendpak.com

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
AE	REPLACED LABELS WITH COLORS & GRAPHICS NOTE	09/27/2021	TM	01344
AF	UPDATED BOM REVISION	12/13/2021	TM	01367
AG	UPDATED BOM REVISIONS	05/24/2022	TM	01414



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245394	HD-9AE LIFT SUPERSTRUCTURE	1	Y
2	5250193	HD-9AE PARTS BOX	1	U
3	5700236	ALUMINUM DELUXE ALIGNMENT TURNPLATE ASSEMBLY, SET OF TWO	1	B

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME DATE
TM 08/12/2014

CHECKED

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

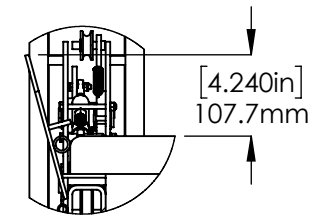
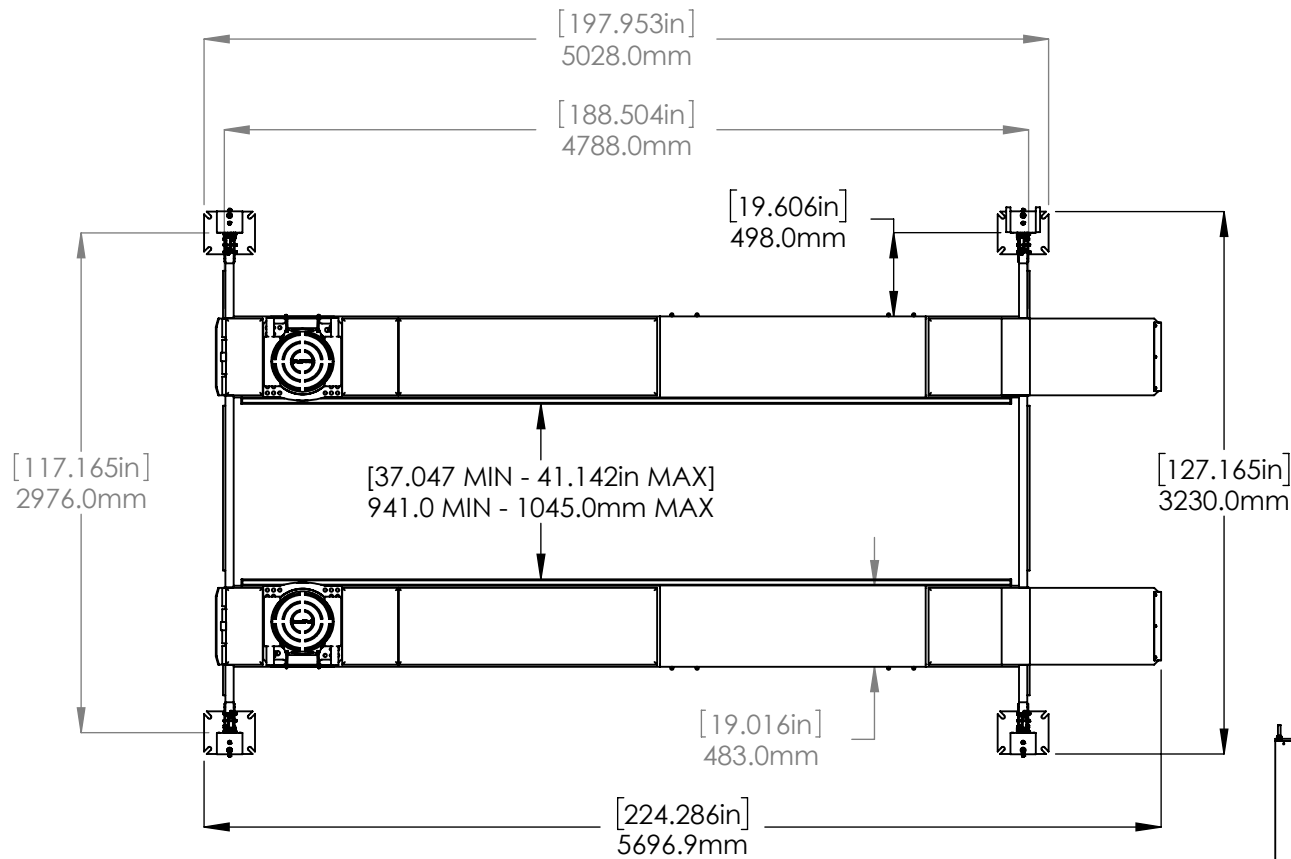
TITLE: HD-9AE PRODUCTION LIFT VER D (CE CERT)

SIZE DWG. NO. REV
A 5260527 AG

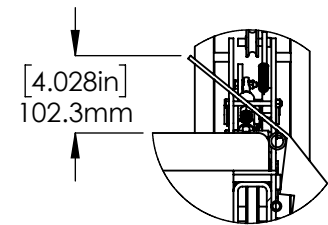
SCALE: 1:38 SHEET 1 OF 3

NOTE: UNLESS OTHERWISE SPECIFIED.

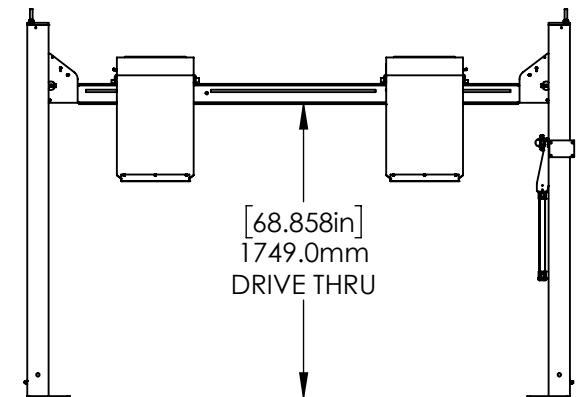
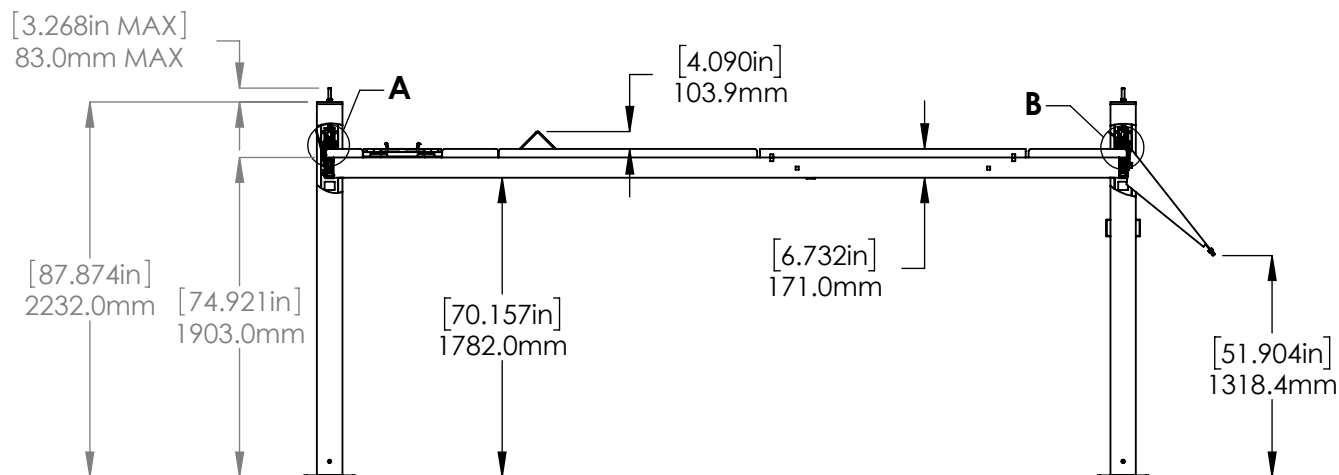
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT



DETAIL A
SCALE 1 : 10



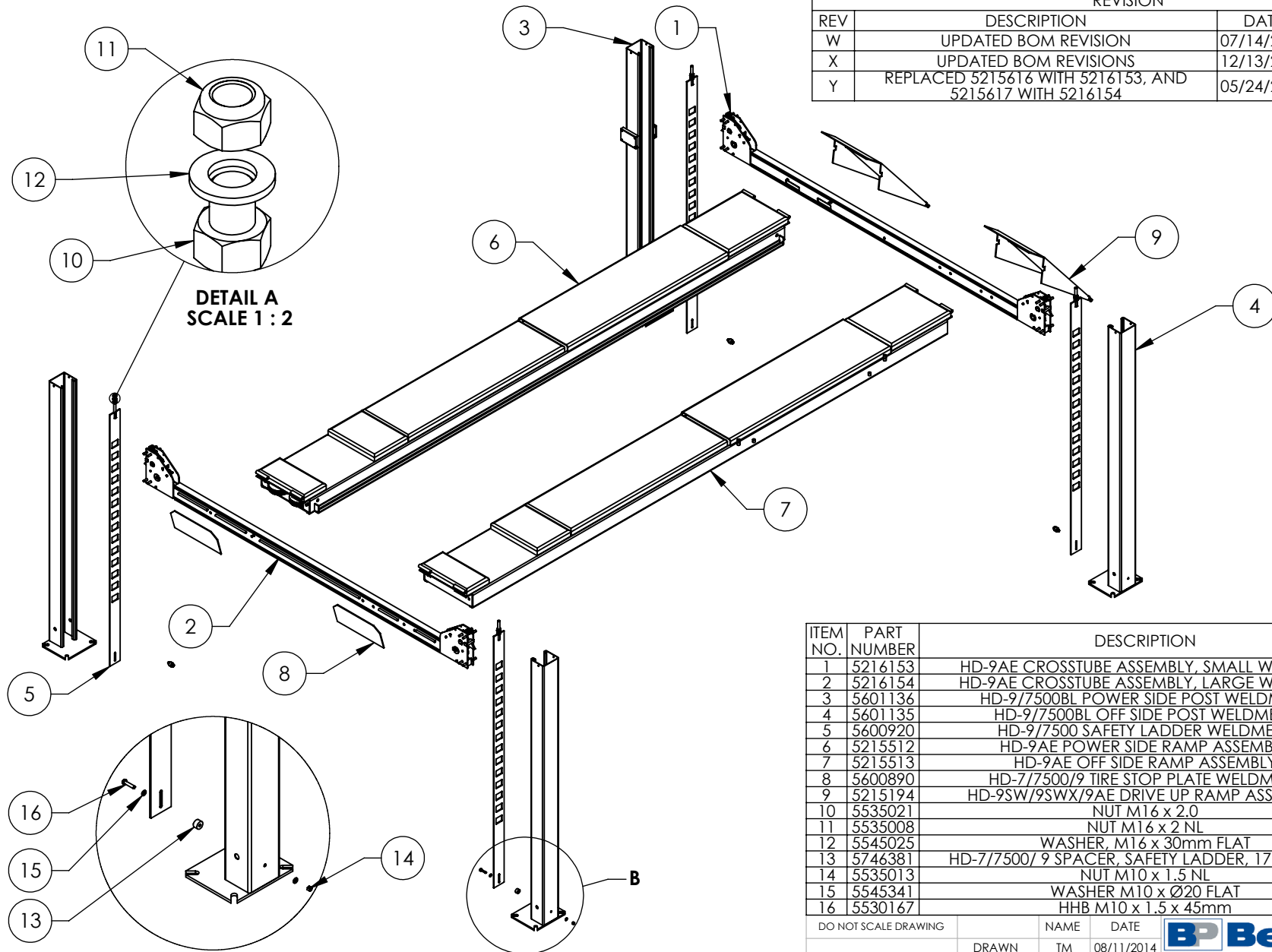
DETAIL B
SCALE 1 : 10



FRONT VIEW

BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-9AE PRODUCTION LIFT VER D (CE CERT)		
SIZE	DWG. NO.	REV
A	5260527	AG
SCALE: 1:45		SHEET 2 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
W	UPDATED BOM REVISION	07/14/2021	TM	01316
X	UPDATED BOM REVISIONS	12/13/2021	TM	01367
Y	REPLACED 5215616 WITH 5216153, AND 5215617 WITH 5216154	05/24/2022	TM	01414



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5216153	HD-9AE CROSSTUBE ASSEMBLY, SMALL WINDOW	1	A
2	5216154	HD-9AE CROSSTUBE ASSEMBLY, LARGE WINDOW	1	A
3	5601136	HD-9/7500BL POWER SIDE POST WELDMENT	1	A
4	5601135	HD-9/7500BL OFF SIDE POST WELDMENT	3	A
5	5600920	HD-9/7500 SAFETY LADDER WELDMENT	4	B
6	5215512	HD-9AE POWER SIDE RAMP ASSEMBLY	1	U
7	5215513	HD-9AE OFF SIDE RAMP ASSEMBLY	1	J
8	5600890	HD-7/7500/9 TIRE STOP PLATE WELDMENT	2	F
9	5215194	HD-9SW/9SWX/9AE DRIVE UP RAMP ASSEMBLY	2	H
10	5535021	NUT M16 x 2.0	4	-
11	5535008	NUT M16 x 2 NL	4	-
12	5545025	WASHER, M16 x 30mm FLAT	4	-
13	5746381	HD-7/7500/ 9 SPACER, SAFETY LADDER, 17.5mm LG	4	B
14	5535013	NUT M10 x 1.5 NL	4	-
15	5545341	WASHER M10 x Ø20 FLAT	8	-
16	5530167	HHB M10 x 1.5 x 45mm	4	-

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- THREAD M16 HARDWARE ONTO LADDER BOLTS AS SHOWN

NEXT ASSEMBLY
5260527

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME DATE
DRAWN TM 08/11/2014
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THIRD ANGLE PROJECTION



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SANTA PAULA, CA 93060

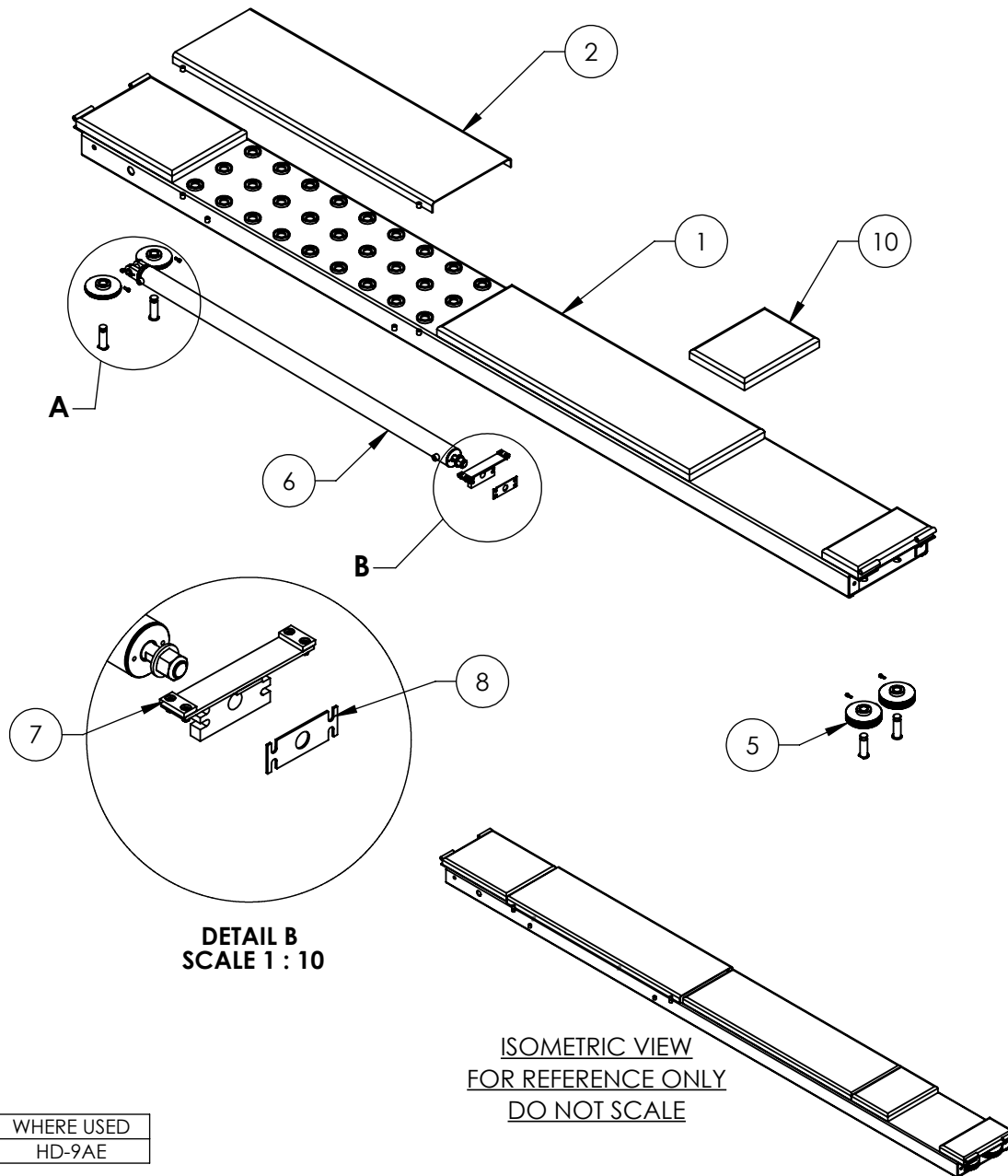
TITLE: HD-9AE LIFT
SUPERSTRUCTURE

SIZE DWG. NO. REV
A 5245394 Y

SCALE: 1:40

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
R	UPDATED BOM REVISION	07/07/2020	TM	01174
T	UPDATED BOM REVISION	07/13/2021	TM	01316
U	UPDATED BOM REVISION	12/10/2021	TM	01367

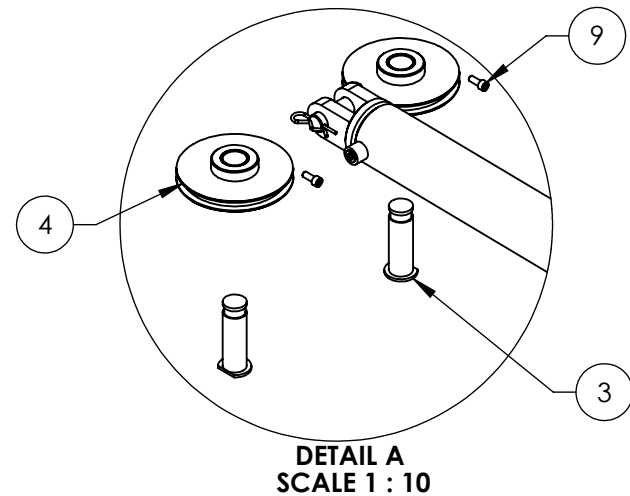


WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245394



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600594	HD-9AE POWER SIDE RAMP WELDMENT	1	E
2	5600593	HD-9AE SLIP PLATE WELDMENT	1	A
3	5600900	HD-7/7500/9 RAMP SHEAVE SHAFT WELDMENT	4	E
4	5215122	HD-7/7500/9 SINGLE SHEAVE ROLLER ASSEMBLY	2	E
5	5215123	HD-7500BL/9 TWIN SHEAVE ASSEMBLY	2	E
6	5502165	CYLINDER ASSEMBLY Ø3.0 x 70	1	N
7	5215820	HD-7500/9 CYLINDER FLANGE ARM ASSEMBLY	1	B
8	5731309	CABLE RETAINER PLATE	1	A
9	5530776	SHCS M8 x 1.25 x 20mm	4	-
10	5700237	HD-9AE FILLER PLATE	1	A

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NAME DATE
DRAWN TM 01/17/2011

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THIRD ANGLE PROJECTION



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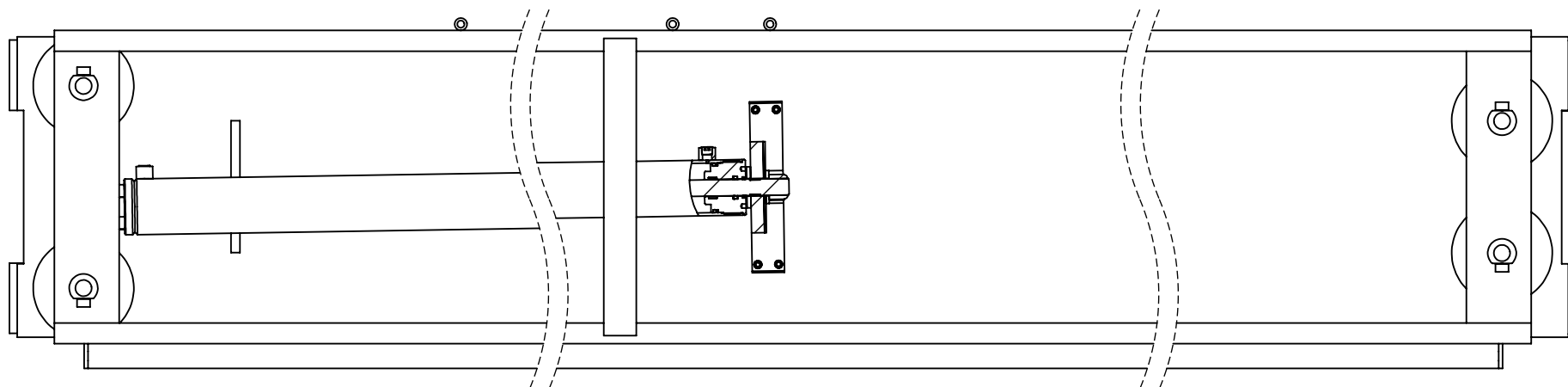
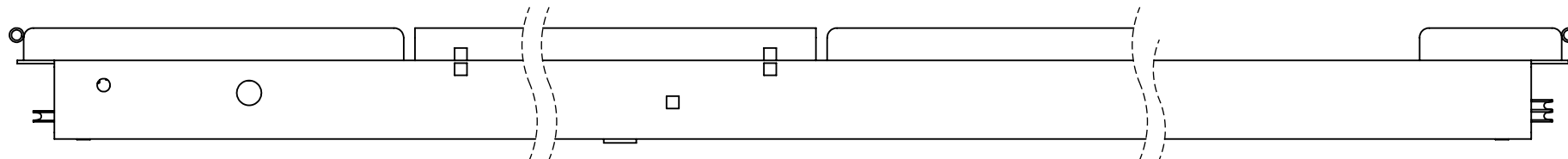
BendPak
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SANTA PAULA, CA 93060

TITLE: HD-9AE POWER SIDE RAMP ASSEMBLY

SIZE DWG. NO. REV

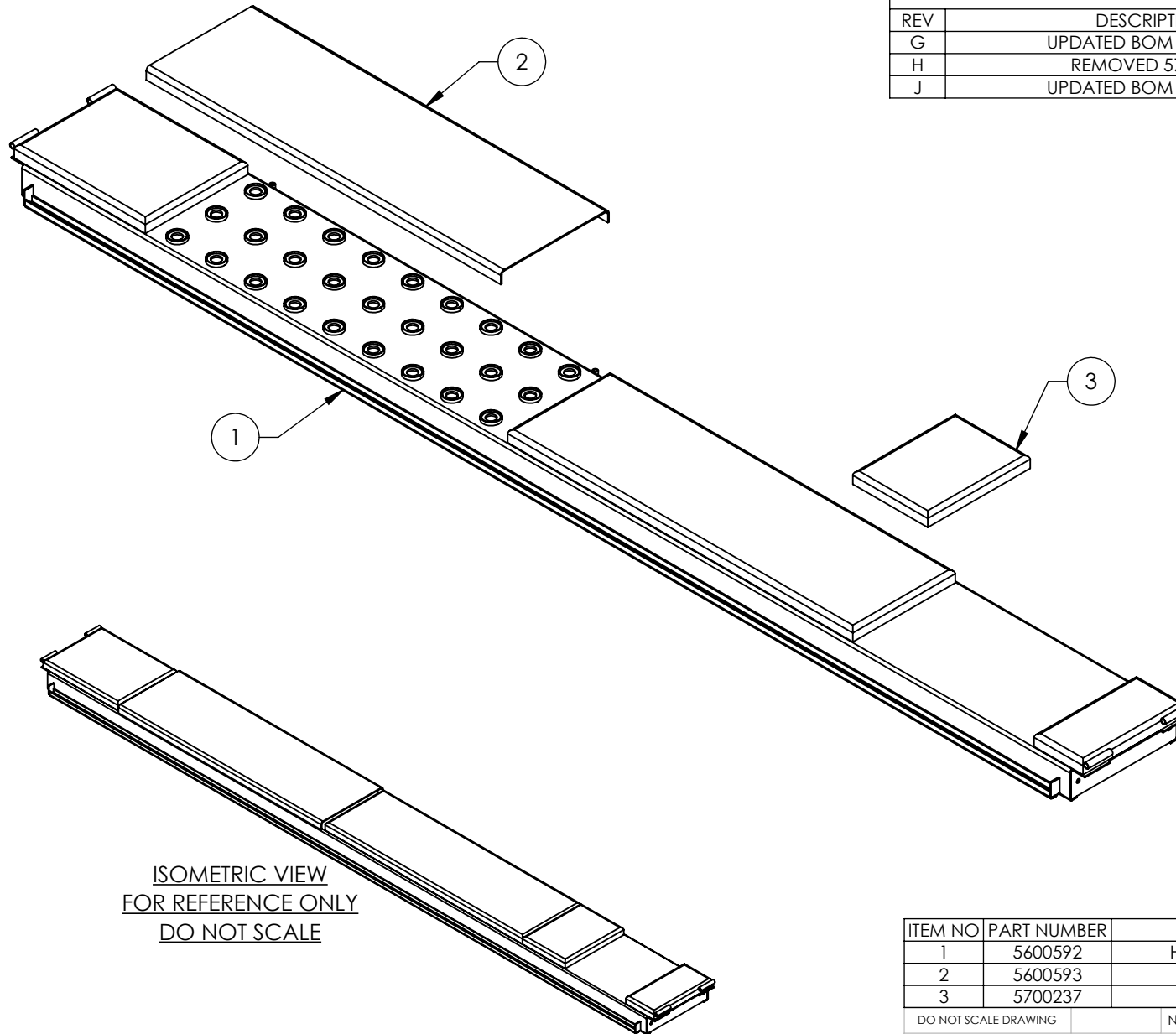
A 5215512 U

SCALE: 1:30 SHEET 1 OF 2



		
1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-9AE POWER SIDE RAMP ASSEMBLY		
SIZE	DWG. NO.	REV
A	5215512	U
SCALE: 1:10		SHEET 2 OF 2

12/10/2021				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	UPDATED BOM REVISION	08/03/2018	CA	00975
H	REMOVED 5700236	10/14/2019	TS	01120
J	UPDATED BOM REVISION	12/10/2021	TM	01367



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245394

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600592	HD-9AE OFF SIDE RAMP WELDMENT	1	F
2	5600593	HD-9AE SLIP PLATE WELDMENT	1	A
3	5700237	HD-9AE FILLER PLATE	1	A

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NAME DATE
DRAWN TM 01/17/2011
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THIRD ANGLE PROJECTION



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SANTA PAULA, CA 93060

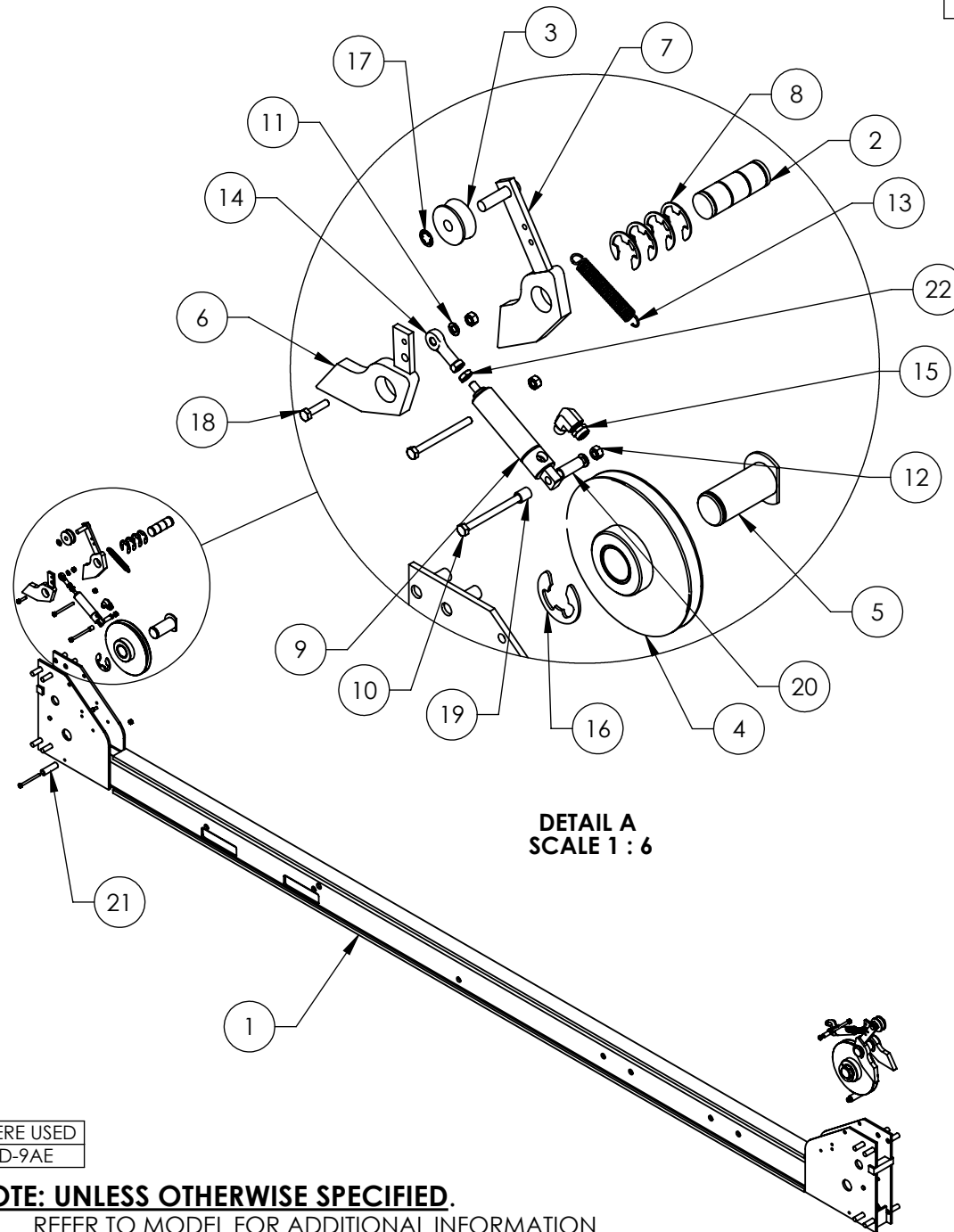
TITLE:
HD-9AE OFF SIDE RAMP
ASSEMBLY

SIZE DWG. NO. REV
A 5215513 J

SCALE: 1:20

SHEET 1 OF 1

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215616	04/29/2022	TM	01414



**DETAIL A
SCALE 1 : 6**

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601820	HD-9AE CROSSTUBE WELDMENT, SMALL WINDOW	1	A
2	5746008	D4-12, HD/HDS-7/7500/9/14, HDSO-14 SAFETY PIN	2	D
3	5575420	HD-7/7500/9 SAFETY ROLLER	2	C
4	5215122	HD-7/7500/9 SINGLE SHEAVE ROLLER ASSEMBLY	2	E
5	5600160	HD-7/7500/9 CROSSTUBE SHEAVE SHAFT WELDMENT	2	G
6	5600760	D4-12, HD/HDS LIGHT DUTY SAFETY WELDMENT	2	C
7	5600044	4 POST LIGHT DUTY SLACK SAFETY WELDMENT	2	F
8	5540275	E RING Ø25mm OD DIN 6799 0250	8	-
9	5502195	AIR CYLINDER, Ø19mm x 25 STROKE	2	-
10	5530005	HHB M6 x 1 x 70	6	-
11	5545005	WASHER, M6 x 12mm FLAT	4	-
12	5535357	NUT M6 x 1.0 NL	8	-
13	5540065	SPRING Ø13mm x 90mm, SLACK SAFETY	2	A
14	5505625	FEMALE ROD END M6 x 33	2	-
15	5550087	FTG ELB -04 COMP x -02 NPT	2	-
16	5540010	E RING Ø32mm OD DIN 6799	2	-
17	5505030	PUSH-ON CLIP Ø10mm SS	2	-
18	5530756	HHB M6 x 1.0 x 25mm	2	-
19	5755136	AIR CYLINDER SPACER 12mm	2	A
20	5755137	AIR CYLINDER SPACER 25mm	2	A
21	5755157	D4-12, HD-7/7500/9 CROSSTUBE SPACER Ø16 x Ø10 x 50	2	A
22	5535230	NUT 1/4-28 JN	2	-

DO NOT SCALE DRAWING

NAME	DATE
DRAWN TM	04/29/2022
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THIRD ANGLE PROJECTION

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TITLE: HD-9AE CROSSTUBE
ASSEMBLY, SMALL WINDOW

SIZE DWG. NO. REV
A 5216153 A

SCALE: 1:18

SHEET 1 OF 1

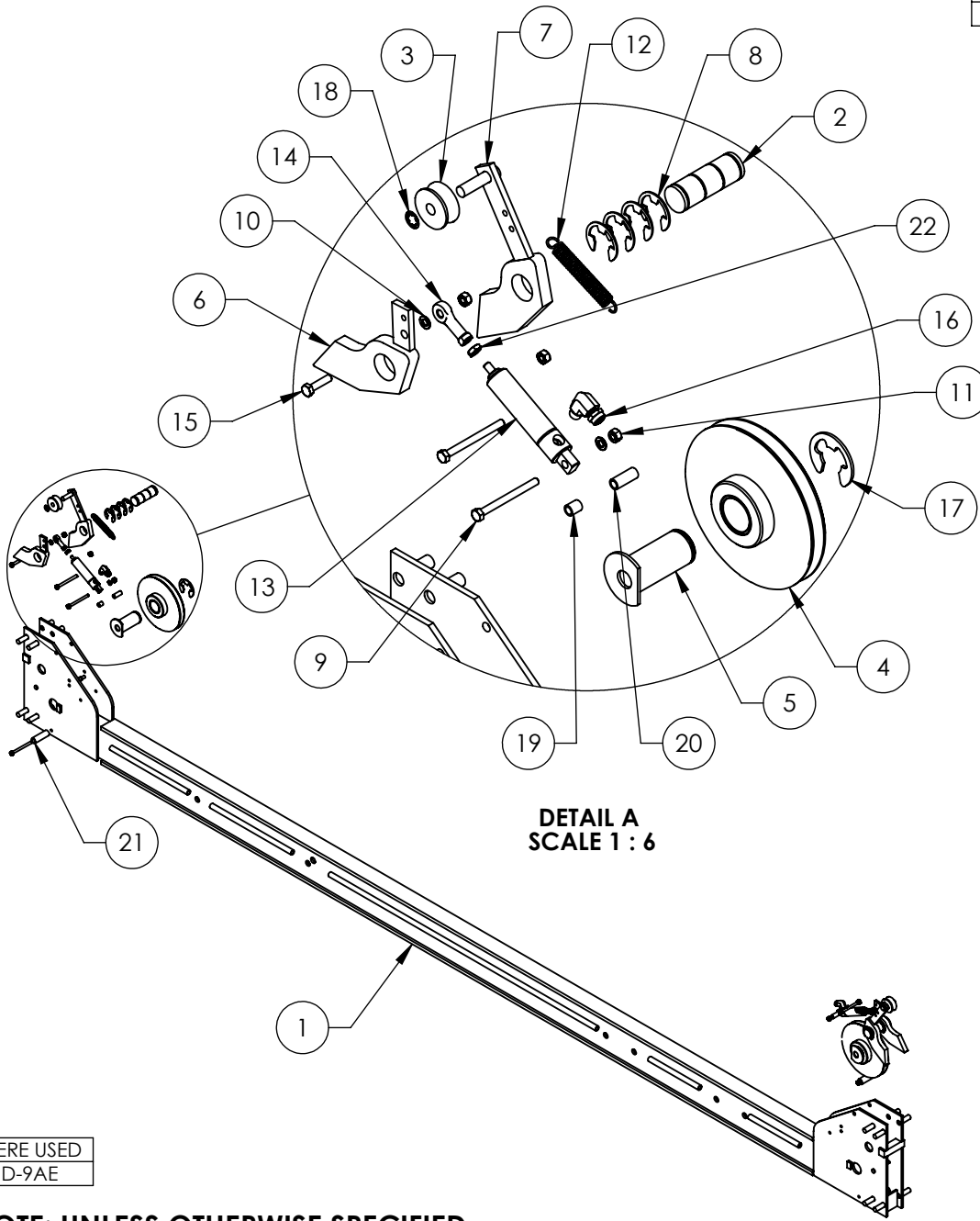
WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245394

REV	DESCRIPTION	REVISION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5215617		04/29/2022	TM	01414



DETAIL A
SCALE 1 : 6

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601819	HD-9AE CROSSTUBE WELDMENT, LARGE WINDOW	1	A
2	5746008	D4-12, HD/HDS-7/7500/9/14, HDSO-14 SAFETY PIN	2	D
3	5575420	HD-7/7500/9 SAFETY ROLLER	2	C
4	5215122	HD-7/7500/9 SINGLE SHEAVE ROLLER ASSEMBLY	2	E
5	5600160	HD-7/7500/9 CROSSTUBE SHEAVE SHAFT WELDMENT	2	G
6	5600760	D4-12, HD/HDS LIGHT DUTY SAFETY WELDMENT	2	C
7	5600044	4 POST LIGHT DUTY SLACK SAFETY WELDMENT	2	F
8	5540275	E RING Ø25mm OD DIN 6799 0250	8	--
9	5530005	HHB M6 x 1 x 70	6	--
10	5545005	WASHER, M6 x 12mm FLAT	4	--
11	5535357	NUT M6 x 1.0 NL	8	--
12	5540065	SPRING Ø13mm x 90mm, SLACK SAFETY	2	A
13	5502195	AIR CYLINDER, Ø19mm x 25 STROKE	2	--
14	5505625	FEMALE ROD END M6 x 33	2	--
15	5530756	HHB M6 x 1.0 x 25mm	2	--
16	5550087	FTG ELB -04 COMP x -02 NPT	2	--
17	5540010	E RING Ø32mm OD DIN 6799	2	--
18	5505030	PUSH-ON CLIP Ø10mm SS	2	--
19	5755136	AIR CYLINDER SPACER 12mm	2	A
20	5755137	AIR CYLINDER SPACER 25mm	2	A
21	5755157	D4-12, HD-7/7500/9 CROSSTUBE SPACER Ø16 x Ø10 x 50	2	A
22	5535230	NUT 1/4-28 JN	2	--

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245394

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NAME	DATE
DRAWN TM	04/29/2022
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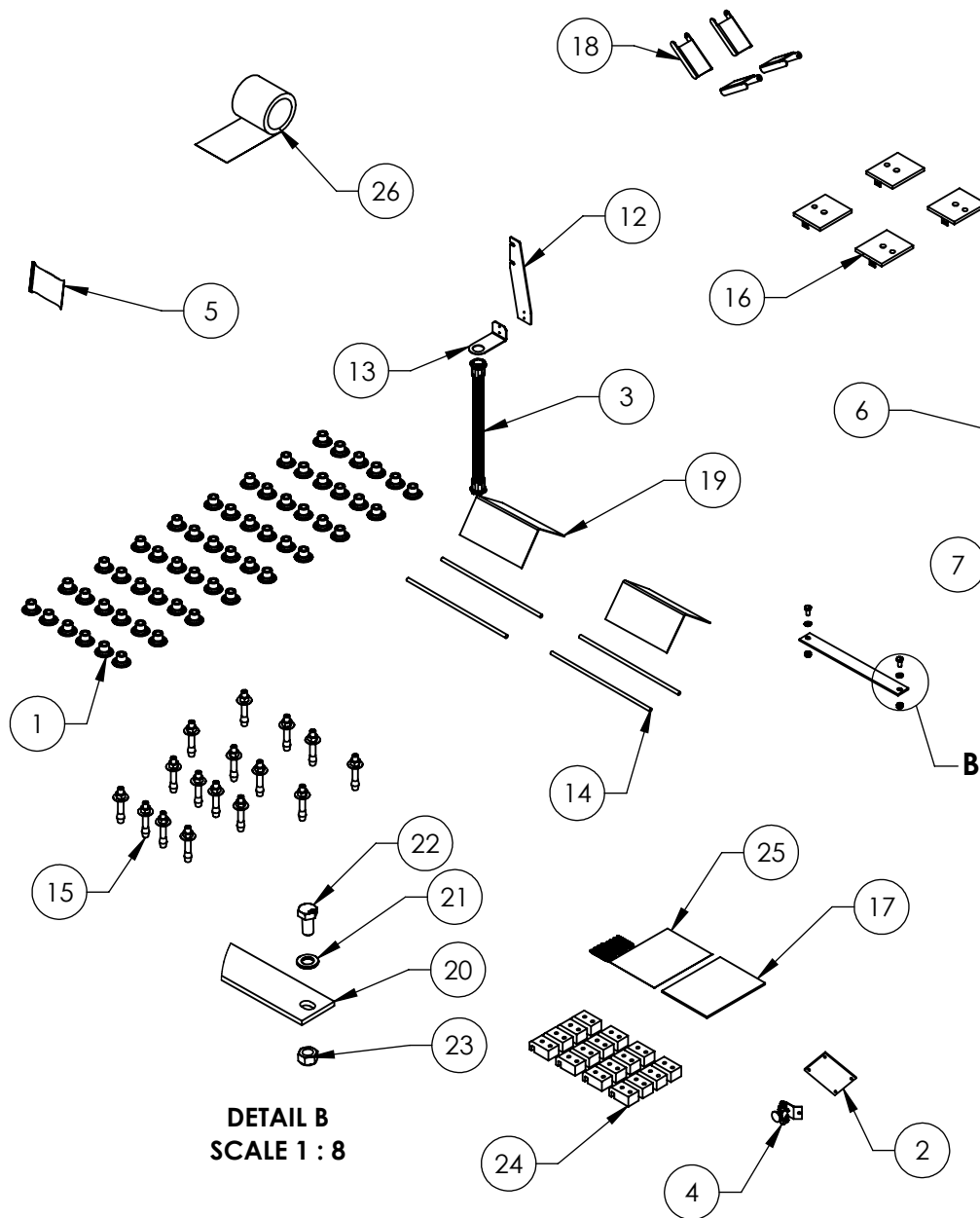
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TITLE: HD-9AE CROSSTUBE
ASSEMBLY, LARGE WINDOW

SIZE DWG. NO.	REV
A 5216154	A

SCALE: 1:18

SHEET 1 OF 1



DETAIL B
SCALE 1 : 8

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. HOSES AND CABLES IN REPRESENTATIONAL FORM
3. (*) LENGTH FOR REFERENCE ONLY

NEXT ASSEMBLY
5260527

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
R	ADDED 5210241, REMOVED 5535358 AND 5545342, UPDATED BOM REVISIONS	07/15/2020	TM	01174
T	UPDATED BOM REVISION	07/19/2021	TM	01316
U	ADDED 5930195, REPLACED 5570050 WITH 5216139	05/04/2022	TM	01414 PRE A

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5575375	38 mm ALIGNMENT PAD CASTER	54	-
2	5715003	POWER UNIT VIBRATION DAMPENER	1	B
3	5216139	FLEX TUBE KIT, UP TO 2000mm	1	A
4	5215096	PUSH BUTTON AIR ASSEMBLY	1	G
5	5174098	HD-9AE PARTS BAG	1	F
6	5595377	HD-9AE CABLE ASSEMBLY Ø10 x 3865mm ST	1	C
7	5595378	HD-9AE CABLE ASSEMBLY Ø10 x 5350mm ST	1	C
8	5595379	HD-9AE CABLE ASSEMBLY Ø10 x 8601mm ST	1	C
9	5595381	HD-9AE CABLE ASSEMBLY Ø10 x 10101mm ST	1	C
10	5570022	HYDRAULIC HOSE ASSEMBLY Ø6.4 x 3380mm	1	G
11	5570795	1/4" POLY-FLO TUBING	17000*mm	-
12	5700029	HD-SERIES FLEX TUBE BRACKET PLATE	1	F
13	5700033	HD-SERIES FLEX TUBE ANGLE	1	E
14	5745014	HD-7/7500/9 DRIVE UP RAMP PIN	4	B
15	5530456	AB 3/4" x 4 - 3/4"	16	-
16	5600405	HD-7/9/7500 TOP PLATE WELDMENT	4	C
17	5900175	HD-9AE INSTALLATION MANUAL	1	-
18	5716630	HD-7/7500/9 CROSSTUBE COVER, PLASTIC	4	A
19	5700072	WHEEL CHOCK	2	B
20	5735663	HD-9 RAMP STRAP, BOLT ON	1	B
21	5545347	WASHER, M12 FLAT WASHER	2	-
22	5530375	HHB M12 x 1.75 x 25 CL12.9	2	-
23	5535012	NUT M12 x 1.75 NL	2	-
24	5716005	D4-12, HD-7/7500/9/14/HDSO-14 POLYETHYLENE SLIDE BLOCK	16	M
25	5210241	4 POST LIGHT DUTY CE PARTS BAG	1	A
26	5930195	ANTI-SLIP TAPE, 6" x 24ft	1	--

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	05/10/2013
CHECKED OR	05/09/2022

THIRD ANGLE PROJECTION



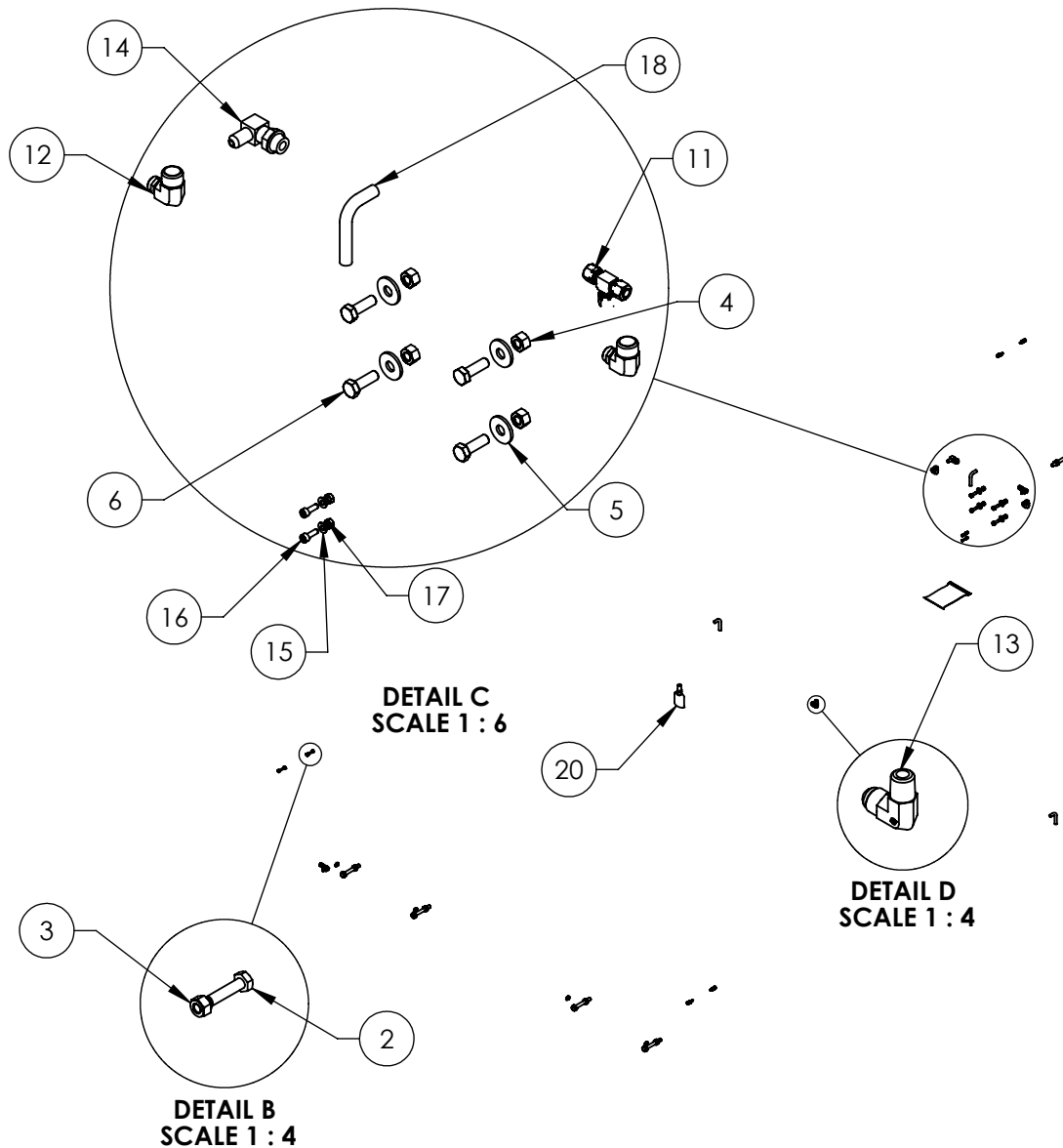
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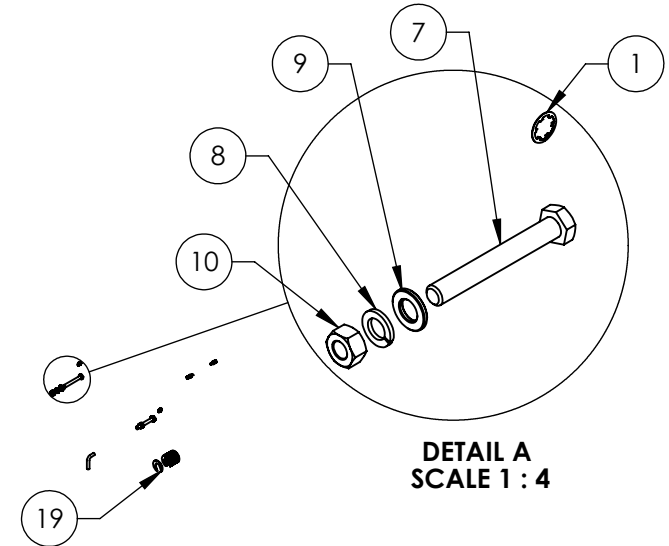
TITLE: HD-9AE PARTS BOX

SIZE DWG. NO. REV
A 5250193 U

SCALE: 1:25 SHEET 1 OF 1



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	REPLACED 5550004 WITH 5550089, 5550489 WITH 5550395, UPDATED NEXT ASSEMBLIES	10/29/2013	TM	00593
E	ADDED 5550025 AND 5580012	12/13/2019	CA	01120
F	REMOVED 5550025	07/13/2021	TM	01316



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5505031	ROTOR CLIP 12mm SS	8	-
2	5530756	HHB M6 x 1.0 x 25mm	8	-
3	5535357	NUT M6 x 1.0 NL	8	-
4	5535001	NUT M8 x 1.25 NL	4	-
5	5545340	WASHER M8 x24 FLAT	4	-
6	5530010	HHB M8 x 1.25 x 25	4	-
7	5530009	HHB M12 x 1.75 x 90 CL8.8	8	-
8	5545201	WASHER, M12 SPRING LOCK	8	-
9	5545347	WASHER, M12 FLAT WASHER	8	-
10	5535354	NUT, M12 x1.75	8	-
11	5550395	FTG TEE -04 COMP x -04 COMP x -04 COMP	3	-
12	5550089	FTG ELB -04 COMP x -06 NPT	2	-
13	5550106	FTG ELB -04 JIC x 3/8" NPT	1	-
14	5550008	FTG ELB -04 JIC -06L ORB	1	-
15	5545009	WASHER, Ø4.3 x Ø9mm x 0.8mm	2	-
16	5530008	SHCS M4 x 0.7 x 12 BOC	2	-
17	5535010	NUT M4 X 0.7 NL	2	-
18	5745050	SLIP PLATE LOCK PIN	4	-
19	5545535	C WASHER SHIM FOR LIFTS	20	-
20	5580012	LIQUID PTFE THREAD SEALANT 50ml	1	-

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY
5250193

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME DATE
DRAWN AC 08/08/2008
CHECKED OR 07/20/2021

THIRD ANGLE PROJECTION

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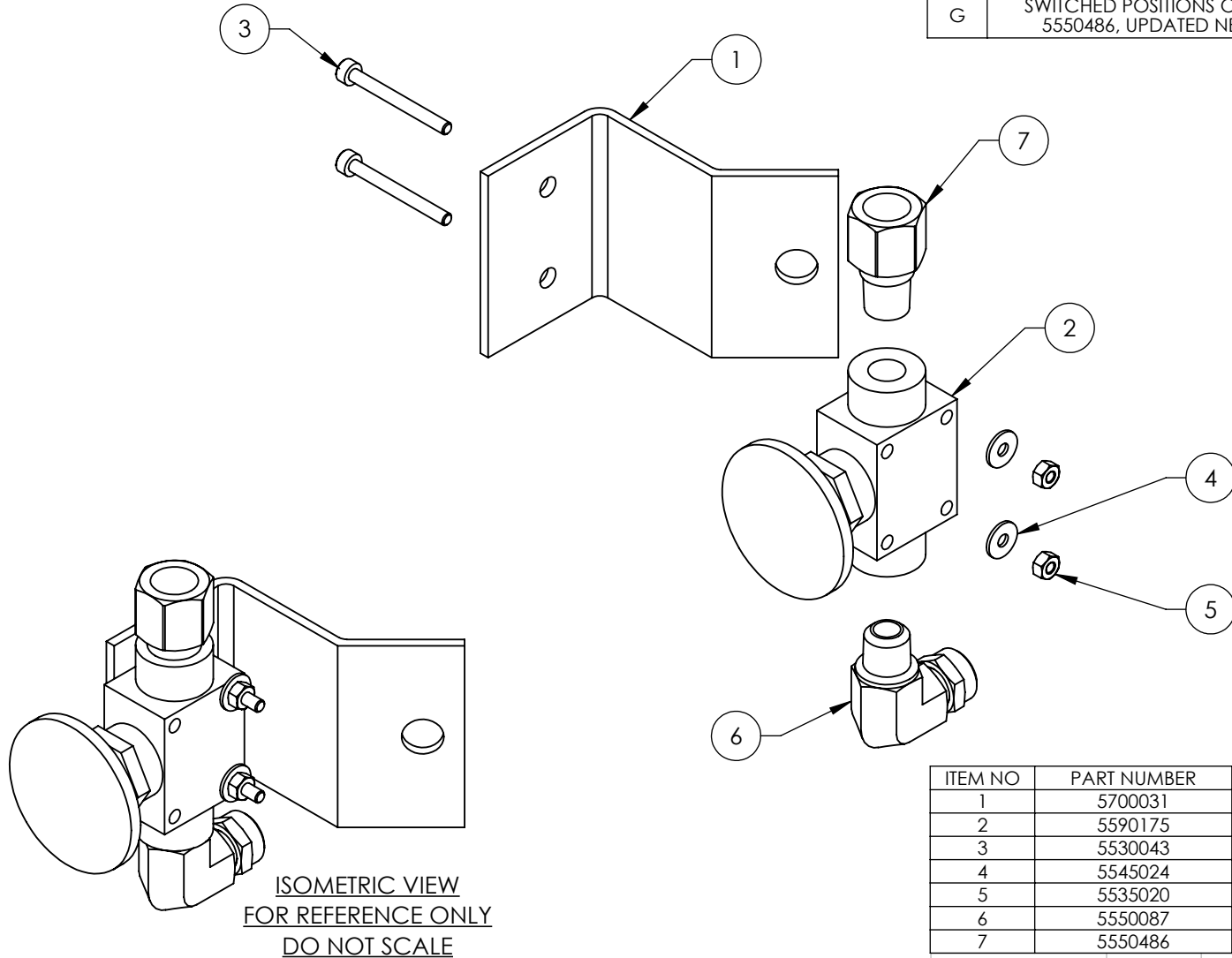
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-9AE PARTS BAG

SIZE DWG. NO. REV
A 5174098 F

SCALE: 1:30 SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	REPLACED 5550481 WITH 5550087	10/29/2013	TM	00593
F	REPLACED 5590240 WITH 5590175, UPDATED NEXT ASSEMBLIES	05/05/2015	MR	00683
G	SWITCHED POSITIONS OF 5550087 AND 5550486, UPDATED NEXT ASSEMBLY	06/16/2016	TS	00765



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5700031	ZERO ANGLE MOUNTING BRACKET	1	C
2	5590175	PUSH BUTTON AIR VALVE	1	-
3	5530043	SHCS M3 x 0.5 x 30	2	-
4	5545024	WASHER, M3 x 9mm FLAT	2	-
5	5535020	NUT M3 x 0.5 NL	2	-
6	5550087	FTG ELB -04 COMP x -02 NPT	1	-
7	5550486	FTG NPL -02 NPT x -04 F NPT	1	-

DO NOT SCALE DRAWING

NAME DATE

DRAWN AC 3/14/2008

CHECKED CA 09/02/2015

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: PUSH BUTTON AIR
ASSEMBLY

SIZE DWG. NO. 5215096

REV G

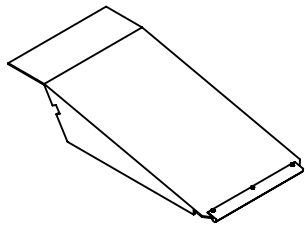
SCALE: 2:3

SHEET 1 OF 1

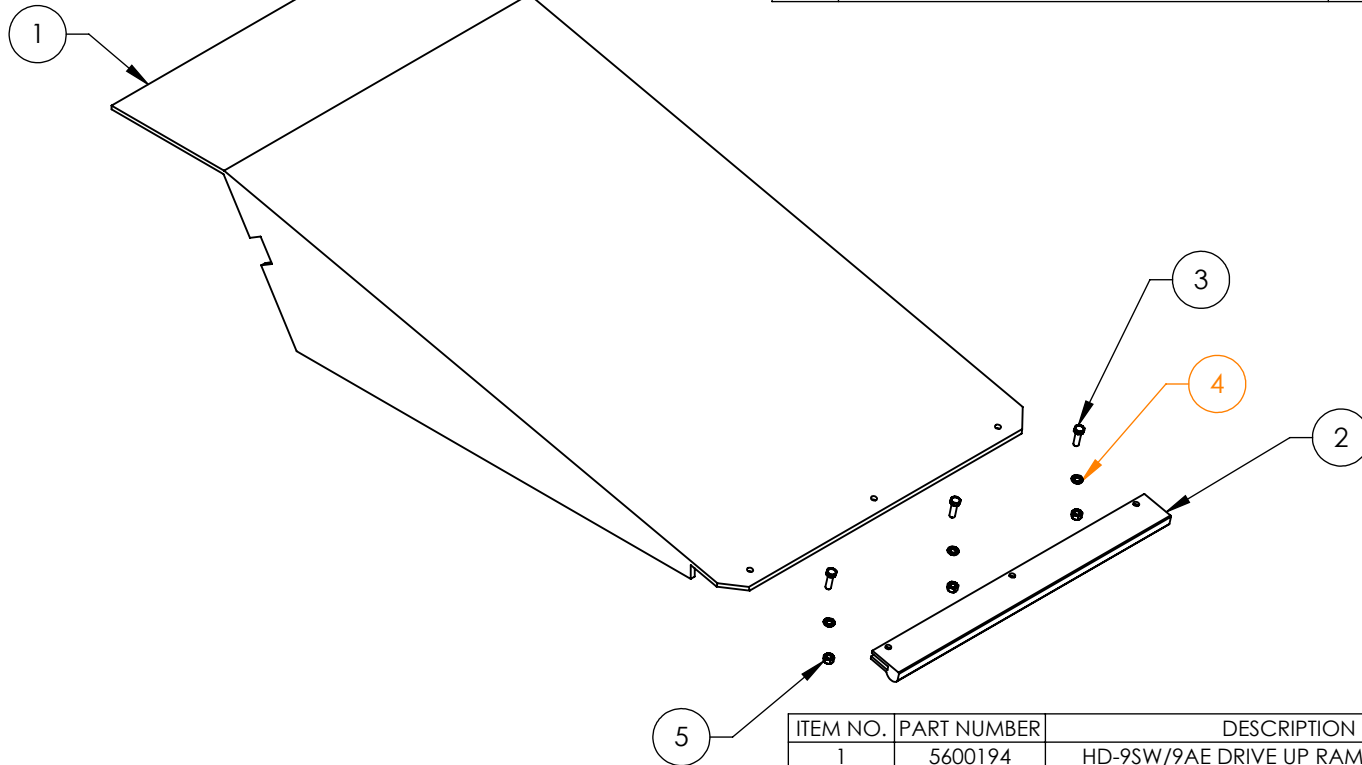
NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
D4-12 SERIES
HD SERIES
HDS SERIES
HDSO SERIES
PL-12000DP



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



WHERE USED
HD-9AE
HD-9SW
HD-9SW-E
HD-9SWX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245078
5245079
5245080
5245394

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISION AND NEXT ASSEMBLY	01/20/2011	TM	00439
E-001	UPDATED NEXT ASSEMBLY	10/27/2011	TM	00487
E-002	UPDATED NEXT ASSEMBLIES	05/22/2013	TM	00593
E-003	UPDATED NEXT ASSEMBLIES	08/14/2014	TM	00664
F	UPDATED BOM REVISION	06/01/2018	CA	00951
G	UPDATED TITLE TO REFLECT MARKETING, UPDATED NEXT ASSEMBLY	11/26/2018	TS	01006
H	REPLACED 5716149 AND 5530005 WITH 5716054, 5530093, AND 5545005, ADDED (1) 5535357, UPDATED BOM REVISION AND NEXT ASSEMBLIES	09/16/2019	TS	01120

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5600194	HD-9SW/9AE DRIVE UP RAMP WELDMENT	1	F
2	5716054	APPROACH RAMP EDGE GUARD	1	A
3	5530093	HHB M6 x 1 x 20	3	-
4	5545005	M6 FLAT WASHER	3	-
5	5535357	NUT M6 x 1.0 NL	3	-

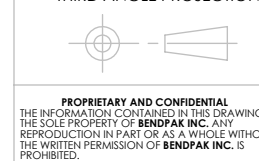
DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN AC	06/13/2008
CHECKED CA	12/13/2019

THIRD ANGLE PROJECTION



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BendPak.

1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

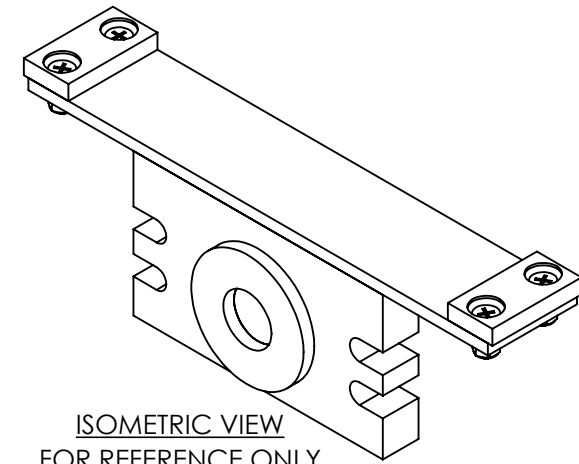
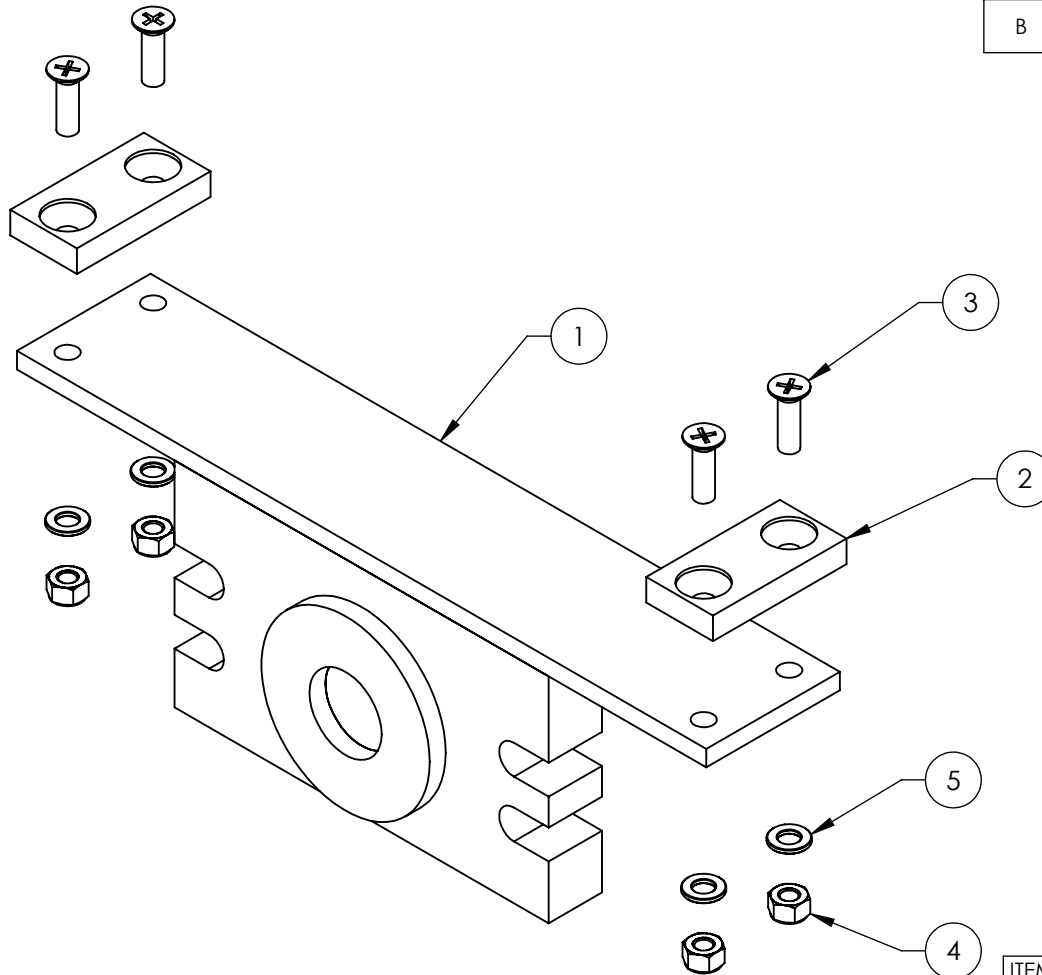
TITLE:
**HD-9SW/9SWX/9AE DRIVE
UP RAMP ASSEMBLY**

SIZE DWG. NO. REV
A 5215194 H

SCALE: 1:8

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5215129	01/29/2019	TM	01039
B	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS AND NEXT ASSEMBLIES	12/20/2019	TM	01120



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9 SERIES
HD-75BXT
HD-7500BL SERIES
PL-12000DP

NOTE: UNLESS OTHERWISE SPECIFIED.

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

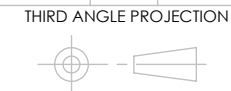
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601303	HD-7500/9 CYLINDER FLANGE ARM WELDMENT	1	B
2	5715031	HD-7500/9/973 CYLINDER CABLE BLOCK ARM SLIDE	2	B
3	5530244	FHPS M6 x 1.0 x 20mm	4	-
4	5535357	NUT M6 x 1.0 NL	4	-
5	5545005	WASHER, M6 x 12mm FLAT	4	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	01/28/2019
CHECKED OR	04/20/2020



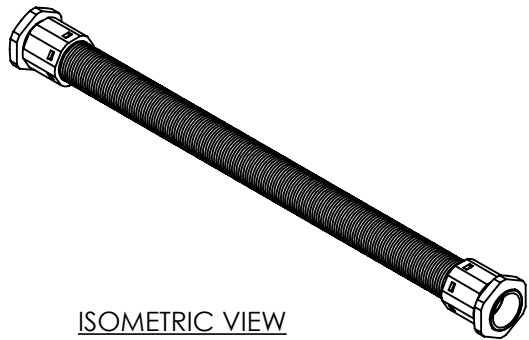
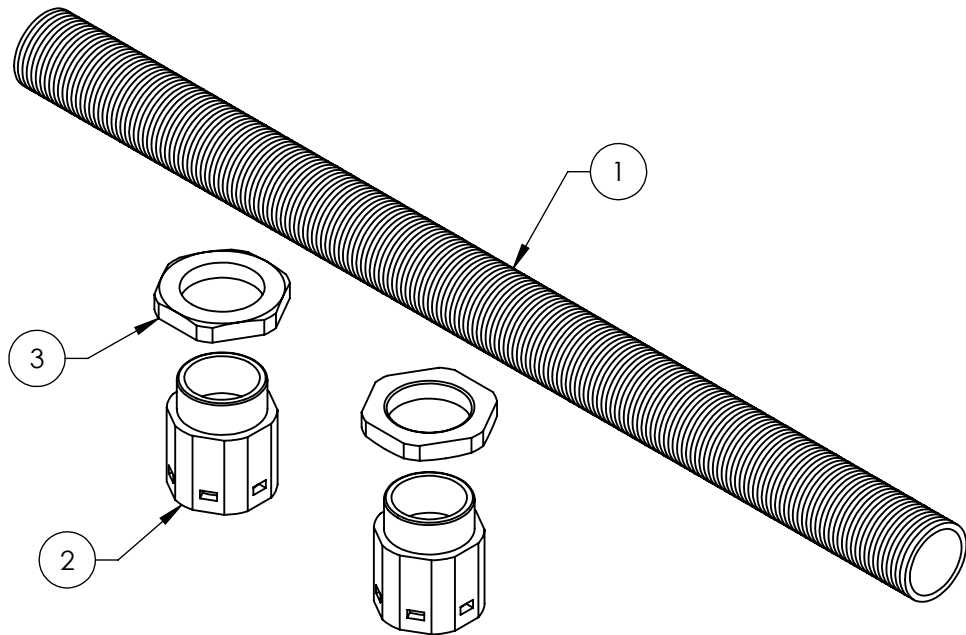
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BP BendPak
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE:	HD-7500/9 CYLINDER FLANGE ARM ASSEMBLY		
SIZE	DWG. NO.	REV	
A	5215820	B	
SCALE: 1:2		SHEET 1 OF 1	

NEXT ASSEMBLY
5215190
5215192
5215512
5215525
5216058

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5570050, 5570052, 5570239	05/05/2022	TM	01414 PRE A



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED	
D4-12 SERIES	
HD-14T	
HD-7500 SERIES	
HD-7W	
HD-7P	
HD-9 SERIES	
HD-973 SERIES	
HDS-14 SERIES	
HDSO-14 SERIES	
HDS-18/27/40 SERIES	

NOTE: UNLESS OTHERWISE SPECIFIED.

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- SHOWN IN REPRESENTATIONAL FORM ONLY
(*)LENGTH FOR REFERENCE ONLY

NEXT ASSEMBLY		
5250058	5250175	5250289
5250059	5250184	5250290
5250079	5250185	5250294
5250081	5250187	5250295
5250082	5250188	5250336
5250143	5250189	5250337
5250144	5250191	5250338
5250164	5250193	5250364
5250167	5250194	
5250168	5250195	
5250169	5250278	
5250172	5250286	

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570053	PE FLEX TUBE Ø34.5xØ29	2100mm*	--
2	5555555	WQG1-M36/AD34.5 CONNECTOR	2	--
3	5535050	PLASTIC NUT M36 x 2	2	--

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	05/05/2022
CHECKED OR	05/09/2022

THIRD ANGLE PROJECTION



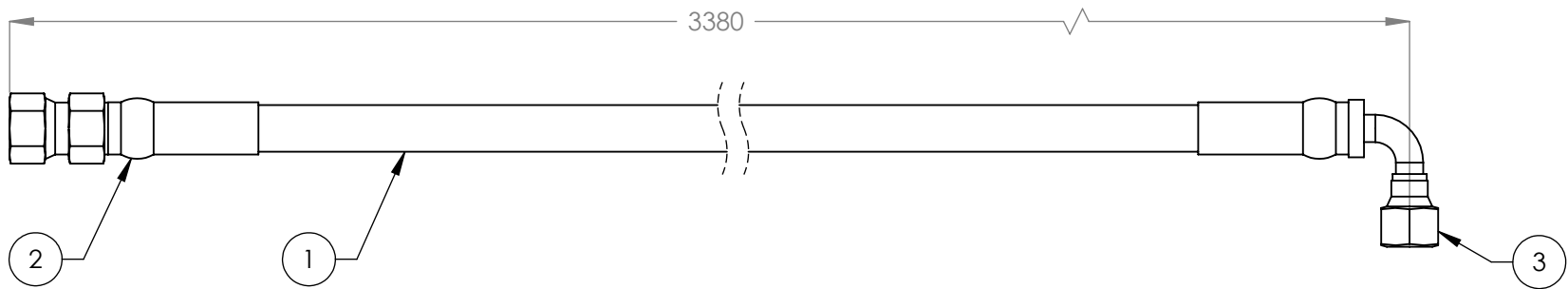
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TITLE: FLEX TUBE KIT,
UP TO 2000mm

SIZE	DWG. NO.	REV
A	5216139	A

REVISION				
REV.	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED NEXT ASSEMBLY, NEXT ASSEMBLIES NOW IN NAME	12/11/2008	AC	00256
E-001	UPDATED NEXT ASSEMBLY	01/12/2009	AC	00174
E-002	UPDATED NEXT ASSEMBLY	07/27/2009	AC	00249
E-003	UPDATED NEXT ASSEMBLY	02/24/2010	AC	00333
F	UPDATED TITLE TO REFLECT WHERE USED, UPDATED NEXT ASSEMBLY	01/20/2011	TM	00439
F-001	UPDATED NEXT ASSEMBLY	06/06/2011	TM	00464
F-002	UPDATED NEXT ASSEMBLIES	11/20/2012	TM	00562
F-003	UPDATED NEXT ASSEMBLIES	05/20/2013	TM	00593
G	REPLACED 5570110 WITH 5570129	01/09/2015	MR	00675
G-001	UPDATED NEXT ASSEMBLY	08/21/2018	TM	00972



WHERE USED
HD-7500BL
HD-9
HD-9XL
HD-9ST
HD-9AE
HD-973P
HD-973P-G
GP-9F
D4-9
D4-12
D4-12A

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE	3314mm*	A
2	5550325	FTG NPL Ø1/4 CRIMP x -04 JIC	1	-
3	5550345	FTG ELB Ø1/4 CRIMP x -04 JIC	1	-

NEXT ASSEMBLY
5250081
5250167
5250169
5250185
5250188
5250193
5250274
5250294
5250295
5250319
5250336

DO NOT SCALE DRAWING	NAME	DATE
	DRAWN	AC 12/17/2007
	CHECKED	CA 09/11/2018
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±1.0 0.00 = ±0.25 0.000 = ±0.13 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	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: HYDRAULIC HOSE ASSEMBLY Ø6.4 x 3380mm		
SIZE	DWG. NO.	REV
A	5570022	G
SCALE: 1:2		SHEET 1 OF 1

PART SPECIFICATION FORM

ACP

BENDPAK Number:	5570129
MRP Description:	1/4" HYDRAULIC HOSE 31 CL-0400X
Date:	05/24/2018
ECO :	00950

1. Engineering Specification

Application:

1/4" HYDRAULIC HOSE

Detailed Description:

ONE or TWO BRAID STEEL WIRE HYDRAULIC HOSE

SIZE: 1/4" / 6mm I.D. MIN
0.53" / 13.4mm O.D. MAX

SPECS: 5700PSI OR 393 BAR WORKING PRESSURE MINIMUM
17100PSI OR 1179 BAR MINIMUM BURST PRESSURE MINIMUM
3" / 80mm MIN BEND RADIUS

COLOR: BLACK

ADDITIONAL CONTACT INFORMATION:

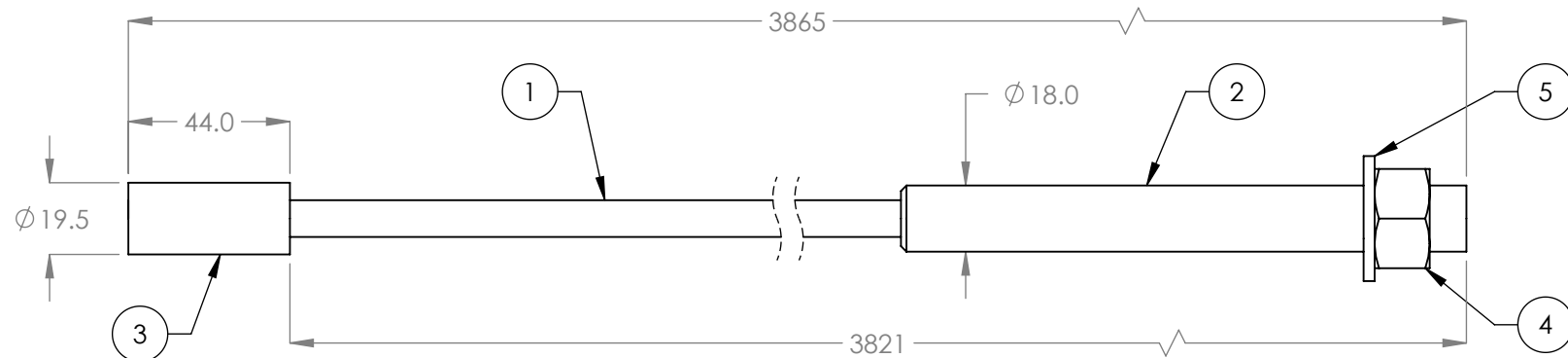
Xin Yurong
Shandong Ningjin High Energy Hose Co., Ltd.
Tel: +86 534-5421821
No. 7, Taishan Rd., Industrial Park, Ningjin County, Shandong, China



2. Vendor Information (Or for Reference)

Approved Vendor	Vendor Part #	Contact #	AUTHORIZED COMPONENT PROVIDER
1) Ningjin Hydraulic Hose Co.	5570129	+86 534-5421821	X
2)			
OR BENDPAK ENGINEERING APPROVED EQUIVALENT			

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595903	01/18/2011	TM	00439
A-001	UPDATED NEXT ASSEMBLY	05/22/2013	TM	00593
B	UPDATED BOM REVISION	12/22/2017	TM	00909
C	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



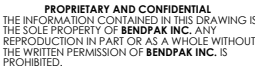
ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	3805mm*	-
2	5746022	Ø10 THREADED CABLE CONNECTOR	1	D
3	5746021	Ø10 CABLE END CONNECTOR	1	E
4	5535358	NUT M18 x 2.5 NL	1	-
5	5545342	WASHER M18 FLAT	1	-

WHERE USED
HD-9AE

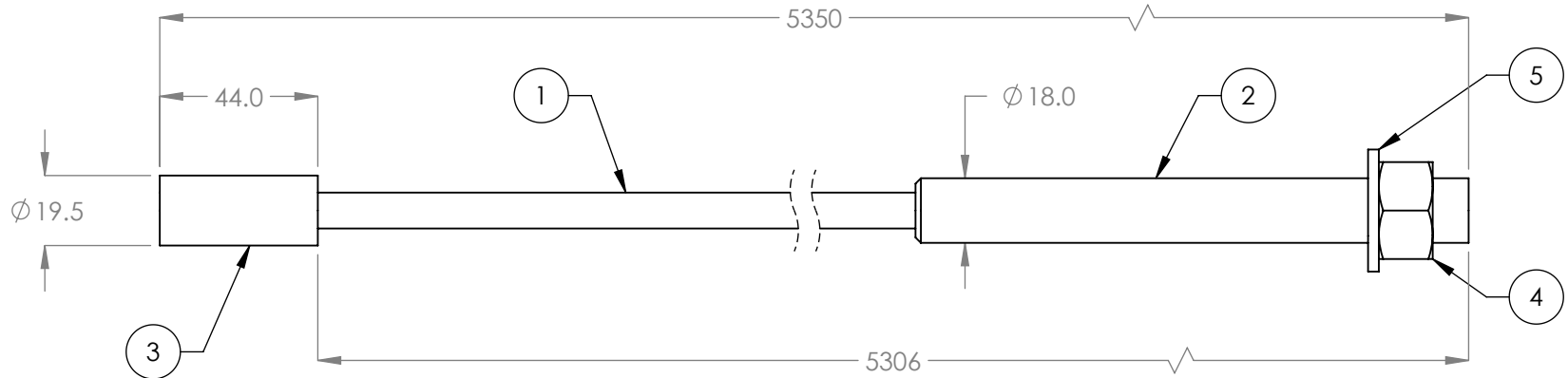
NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535358 WITH 5545342 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250193

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DRAWN		TM	01/17/2011		
CHECKED					
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION		TITLE:	
				HD-9AE CABLE ASSEMBLY Ø10 x 3865mm ST	
				SIZE DWG. NO.	REV
				A	C
				5595377	
				SCALE: 1:2	
				SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595909	01/18/2011	TM	00439
A-001	UPDATED NEXT ASSEMBLY	05/22/2013	TM	00593
B	UPDATED BOM REVISION	12/22/2017	TM	00909
C	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	5290mm*	-
2	5746022	Ø10 THREADED CABLE CONNECTOR	1	D
3	5746021	Ø10 CABLE END CONNECTOR	1	E
4	5535358	NUT M18 x 2.5 NL	1	-
5	5545342	WASHER M18 FLAT	1	-

WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

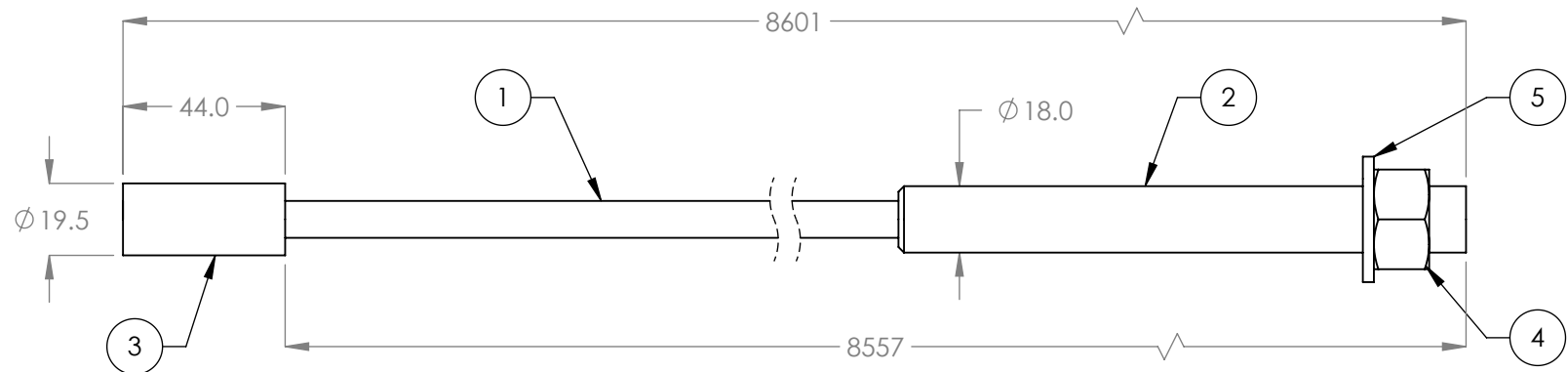
- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535358 WITH 5545342 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250193

DO NOT SCALE DRAWING		NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		TM	01/17/2011	
CHECKED				
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION 		TITLE: HD-9AE CABLE ASSEMBLY Ø10 x 5350mm ST
		SIZE DWG. NO. A 5595378		REV C
		SCALE: 1:2		SHEET 1 OF 1

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REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO #
A	PRODUCTION RELEASE, DERIVED FROM 5595913	01/18/2011	TM	00439
A-001	UPDATED NEXT ASSEMBLY	05/22/2013	TM	00593
B	UPDATED BOM REVISION	12/22/2017	TM	00909
C	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	8541mm*	-
2	5746022	Ø10 THREADED CABLE CONNECTOR	1	D
3	5746021	Ø10 CABLE END CONNECTOR	1	E
4	5535358	NUT M18 x 2.5 NL	1	-
5	5545342	WASHER M18 FLAT	1	-

WHERE USED
HD-9AE

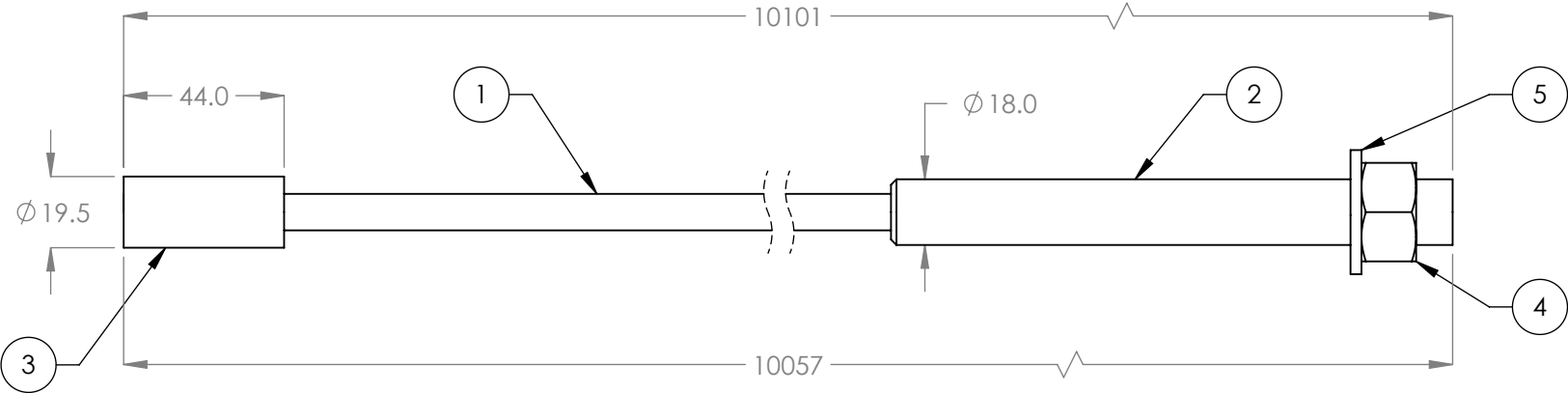
NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535358 WITH 5545342 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250193

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
		DRAWN	TM	01/17/2011		
		CHECKED				
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION		TITLE:		
				HD-9AE CABLE ASSEMBLY Ø10 x 8601mm ST		
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		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	5595379	C
		SCALE: 1:2			SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595919	01/18/2011	TM	00439
A-001	UPDATED NEXT ASSEMBLY	05/22/2013	TM	00593
B	UPDATED BOM REVISION	12/22/2017	TM	00909
C	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	10041mm*	-
2	5746022	Ø10 THREADED CABLE CONNECTOR	1	D
3	5746021	Ø10 CABLE END CONNECTOR	1	E
4	5535358	NUT M18 x 2.5 NL	1	-
5	5545342	WASHER M18 FLAT	1	-

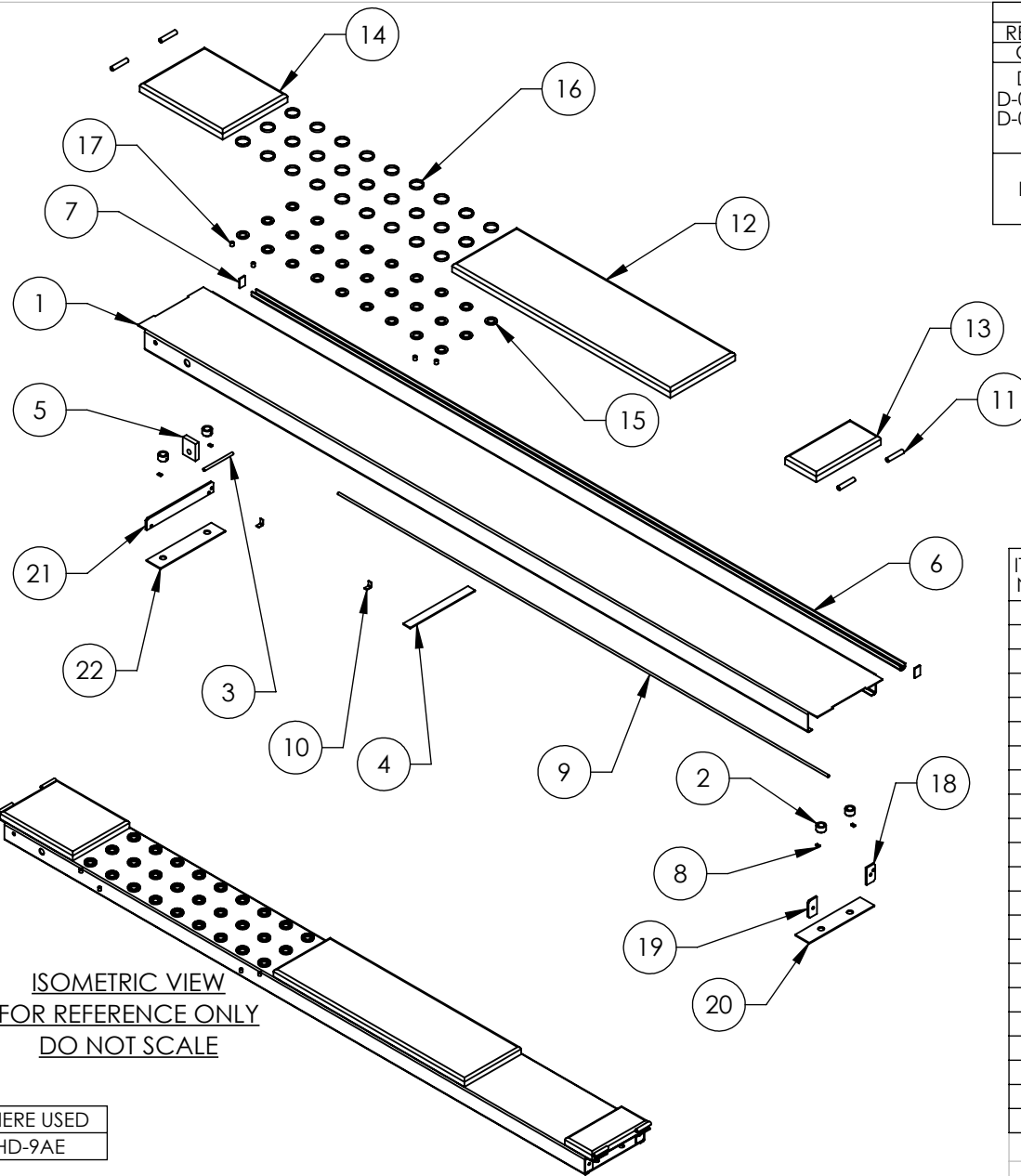
WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535358 WITH 5545342 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250193

DO NOT SCALE DRAWING		NAME	DATE		
		DRAWN	TM	01/17/2011	
		CHECKED			
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION		TITLE:	
				HD-9AE CABLE ASSEMBLY Ø10 x 10101mm ST	
		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	5595381		C
		SCALE: 1:2			SHEET 1 OF 1



WHERE USED
HD-9AE

- NOTE: UNLESS OTHERWISE SPECIFIED.**
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
 2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
 3. REMOVE ALL WELD SPLATTER
 4. DIMENSIONS SHOWN ARE AFTER PAINTING
 5. PAINT GRAY (RAL-7024) 20% GLOSS

NEXT ASSEMBLY
5215512

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
C	UPDATED BOM REVISION	09/02/2014	TM	00664
D	REMOVED 5760090	04/22/2016	TM	00741
D-001	ADDED RAL NUMBER TO NOTES	01/06/2017	TS	00798
D-002	ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	02/03/2020	CA	01120
E	PLACEMENT OF 5755090: REMOVED WELD FROM BOTTOM, SPECIFIED FULL WELD ON TOP, UPDATED BOM REVISIONS	12/09/2021	TM	01367

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5701094	HD-7500BLX/9STX/9SWX/ 9XW/9AE EXTENDED RAMP	1	E
2	5746190	HD-7/7500/9 RAMP SHEAVE BUSHING	4	C
3	5755019	AIR LINE TROUGH Ø13.5 x Ø9.5 x 203	1	B
4	5735090	HD-7/7500/9 RAMP STRAP	1	C
5	5735091	HD-7500/9 SERIES CYLINDER CLEVIS	1	C
6	5700192	HD-7/7500/9 ROLLING BRIDGE BEAM, LONG	1	D
7	5735032	ROLLING JACK RAIL CLOSEOUT	2	C
8	5735028	PIN STOP	4	B
9	5755023	AIR LINE TROUGH Ø13.5 x Ø9.5 x 3454	1	B
10	5700300	HYDRAULIC HOSE HOLDER	2	A
11	5755090	HD-7/7500/9 DRIVE UP RAMP HINGE TUBE	4	C
12	5620474	HD-9AE LONG RISER WELDMENT	1	A
13	5700285	HD-9AE SMALL RISER PLATE	1	A
14	5620475	HD-9AE MEDIUM RISER WELDMENT	1	A
15	5755008	ALIGNMENT CASTER SPACER	27	B
16	5755009	CASTER RETAINER	27	B
17	5746018	LOCATOR TUBE	4	B
18	5736203	HD-7500/9/973 RIGHT RAMP BOLT PLATE, 4-SHEAVE	1	D
19	5736204	HD-7500/9/973 LEFT RAMP BOLT PLATE, 4-SHEAVE	1	D
20	5736200	HD-7500/9 RAMP END PLATE, 4-SHEAVE	1	B
21	5736202	HD-7/7500/9 RAMP BOLT PLATE, 2-SHEAVE	1	D
22	5736201	HD-7/7500/9 RAMP END PLATE, 2-SHEAVE	1	B

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM
TOLERANCES:
0. = ±1.5
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED

DRAWN
TM

CHECKED

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.

NAME
TM

DATE
01/17/2011

BendPak.
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-9AE POWER SIDE RAMP WELDMENT

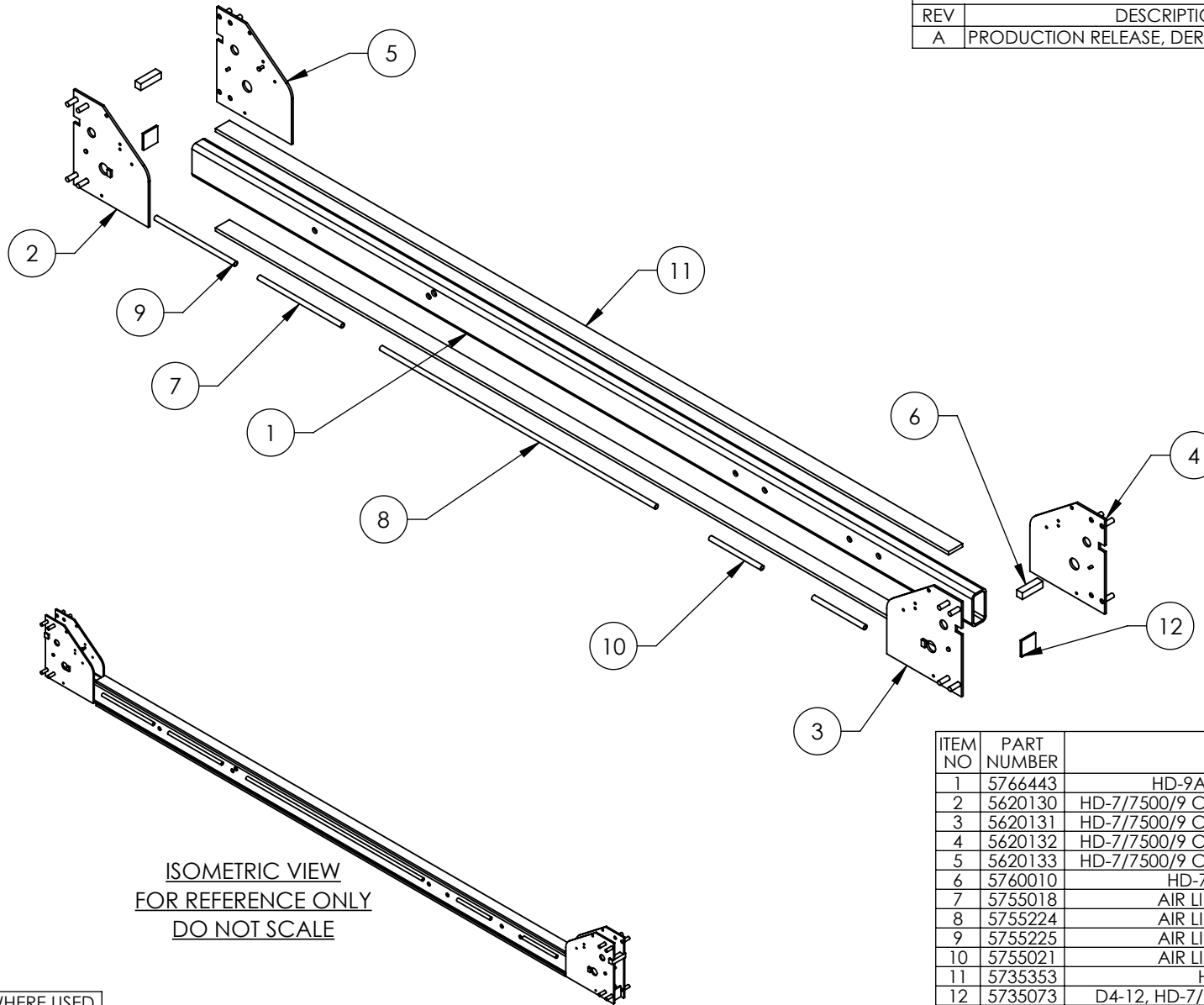
SIZE DWG. NO.
A 5600594

REV
E

SCALE: 1:35

SHEET 1 OF 4

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5600591	04/29/2022	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9AE

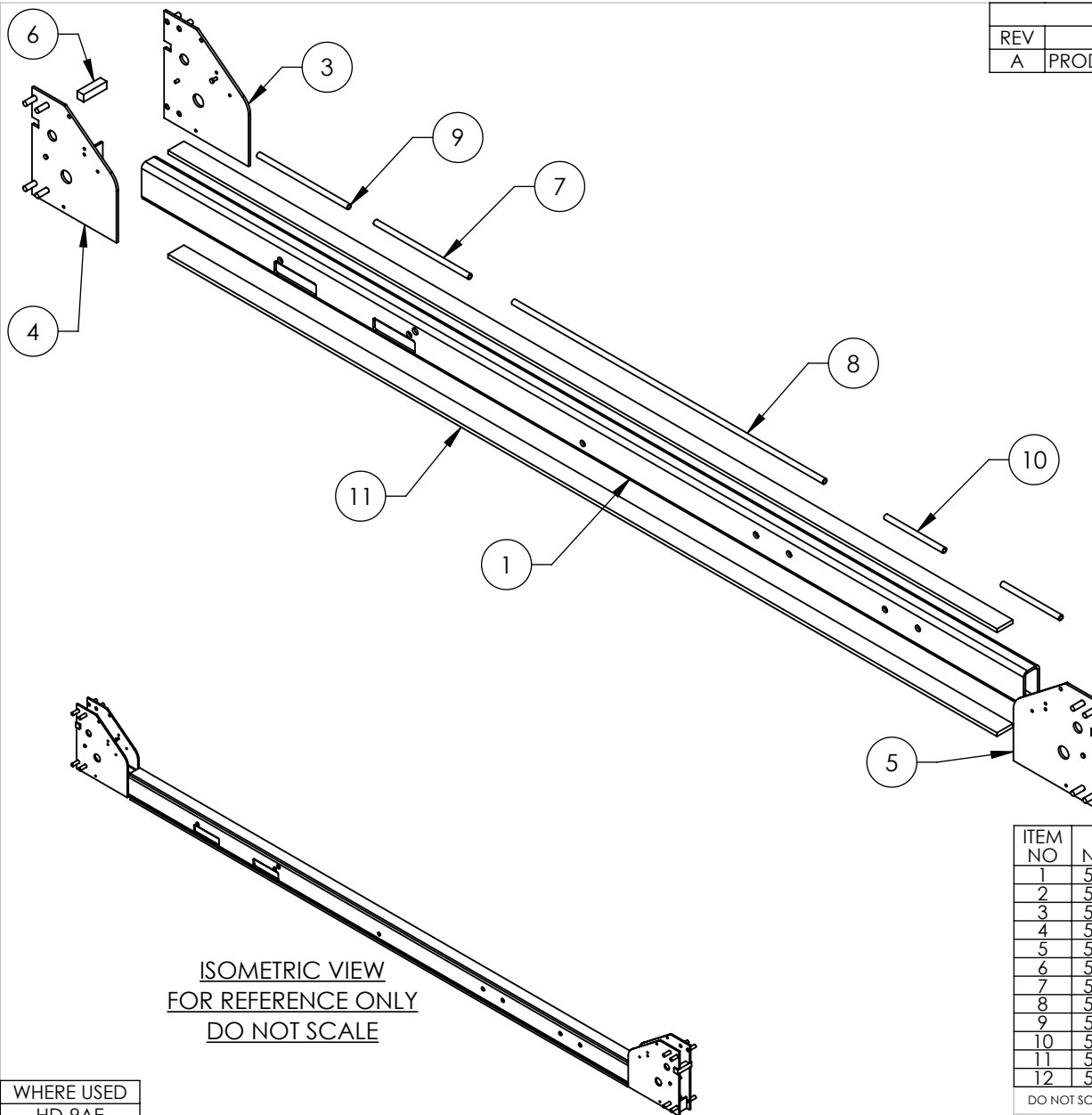
NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5766443	HD-9AE CROSSTUBE, LARGE WINDOW	1	A
2	5620130	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #1	1	M
3	5620131	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #2	1	M
4	5620132	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #3	1	M
5	5620133	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #4	1	M
6	5760010	HD-7/9 CROSSTUBE SAFETY BLOCK	2	B
7	5755018	AIR LINE TROUGH Ø13.5 x Ø9.5 x 297	1	C
8	5755224	AIR LINE TROUGH Ø13.5 x Ø9.5 x 980	1	B
9	5755225	AIR LINE TROUGH Ø13.5 x Ø9.5 x 284	1	A
10	5755021	AIR LINE TROUGH Ø13.5 x Ø9.5 x 184	2	B
11	5735353	HD-9AE CROSS TUBE STRAP	2	A
12	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C

DO NOT SCALE DRAWING	NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
	DRAWN	TM 04/29/2022	
	CHECKED	OR 06/06/2022	
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5	THIRD ANGLE PROJECTION		TITLE: HD-9AE CROSSTUBE WELDMENT, LARGE WINDOW
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED			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 5601819 A
	SCALE: 1:16		SHEET 1 OF 2

NEXT ASSEMBLY
5216154



WHERE USED
HD-9AE

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

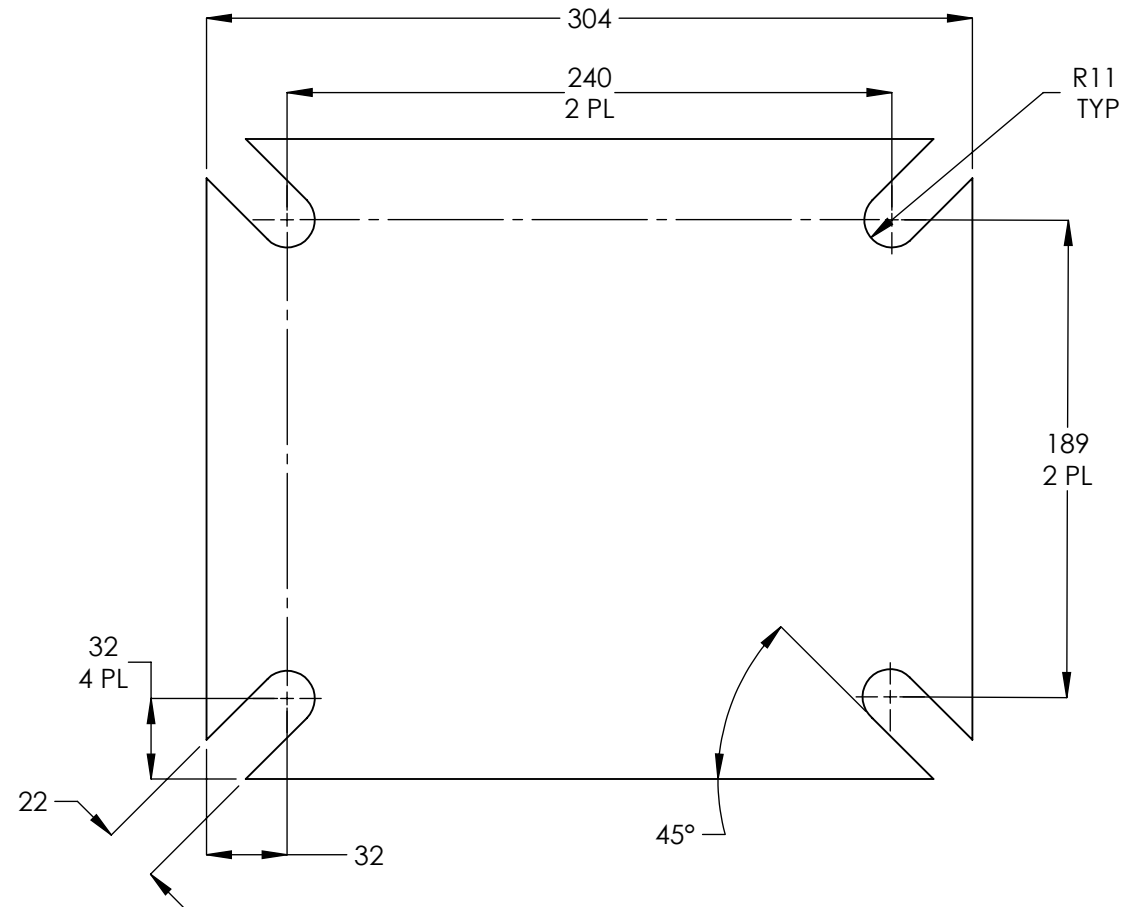
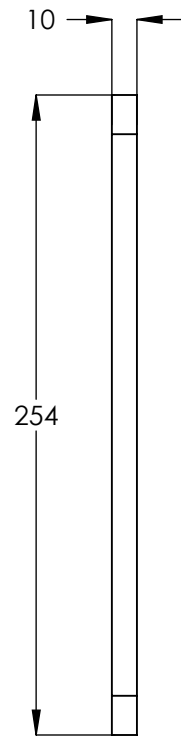
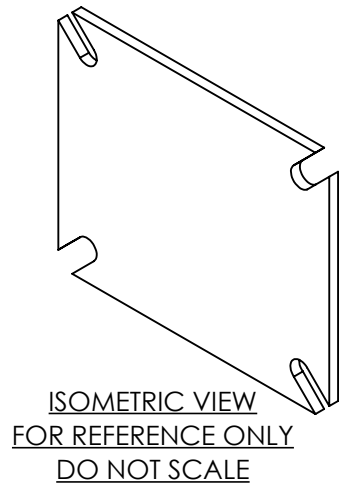
NEXT ASSEMBLY
5216153

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5600590	04/29/2022	TM	01414

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5766442	HD-9AE CROSSTUBE, SMALL WINDOW	1	A
2	5620130	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #1	1	M
3	5620131	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #2	1	M
4	5620132	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #3	1	M
5	5620133	HD-7/7500/9 CROSSTUBE END PLATE SUBWELDMENT #4	1	M
6	5760010	HD-7/9 CROSSTUBE SAFETY BLOCK	2	B
7	5755018	AIR LINE TROUGH Ø13.5 x Ø9.5 x 297	1	C
8	5755224	AIR LINE TROUGH Ø13.5 x Ø9.5 x 980	1	B
9	5755225	AIR LINE TROUGH Ø13.5 x Ø9.5 x 284	1	A
10	5755021	AIR LINE TROUGH Ø13.5 x Ø9.5 x 184	2	B
11	5735353	HD-9AE CROSS TUBE STRAP	2	A
12	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C

DO NOT SCALE DRAWING	NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
	DRAWN	TM	
	CHECKED	OR	
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5	THIRD ANGLE PROJECTION		TITLE: HD-9AE CROSSTUBE WELDMENT, SMALL WINDOW
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED			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		5601820
	SCALE: 1:15		SHEET 1 OF 2

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5731632	01/20/2017	TS	00798
A-001	UPDATED NEXT ASSEMBLIES	04/20/2018	CA	00941



WHERE USED
HD-7 SERIES
HD-9 SERIES
HD-14T
HDS-14 SERIES
D4-12 SERIES
PL-12000DP

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. **MATERIAL:** HR ASTM A36 OR Q235 GB/T 700

NEXT ASSEMBLY		
5601126	5601158	5601780
5601127	5601159	
5601133	5601410	
5601134	5601739	
5601135	5601740	
5601136	5620605	
5601137	5620606	
5601138	5620669	
5601139	5620670	
5601140	5601779	

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		DRAWN	TS	
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		CHECKED	CA	
THIRD ANGLE PROJECTION				TITLE:
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.		4 POST BASE PLATE		SIZE DWG. NO.
		A 5731045		REV
		SCALE: 1:3		A SHEET 1 OF 1

PART SPECIFICATION FORM

BENDPAK Number:	5900175
MRP Description:	HD-9AE INSTALLATION MANUAL
Date:	03/30/2020
ECO :	--

1. Engineering Specification

Application:

INSTALLATION MANUAL

Detailed Description:

WARNING

EUROPEAN USERS

400V 50Hz SUPPLY DETAILS ARE INCLUDED WITH ELECTRICAL CONTROL BOX. DISREGARD SUPPLY WIRING DETAILS IN THIS MANUAL

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

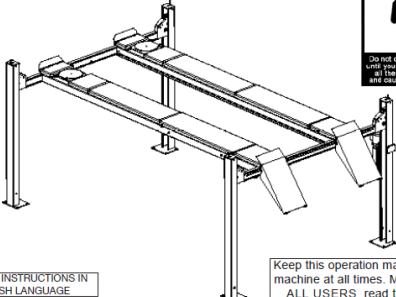
PLEASE READ THE ENTIRE CONTENTS OF THIS MANUAL PRIOR TO INSTALLATION AND OPERATION. BY PROCEEDING WITH LIFT INSTALLATION AND OPERATION YOU AGREE THAT YOU FULLY UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF THIS MANUAL. FORWARD THIS MANUAL TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

Manual Revision D6 - March 2020
Manual Part Number 5900175

INSTALLATION AND OPERATION MANUAL

9,000 POUND CAPACITY
COMMERCIAL GRADE
FOUR-POST LIFTS

MODELS:
HD-9AE



READ FIRST

Do not operate this machine until you read and understand all the dangers, warnings and cautions in this manual.

Keep this operation manual near the machine at all times. Make sure that ALL USERS read this manual.

RECEIVING

The shipment should be thoroughly inspected as soon as it is received. The signed Bill of Lading is acknowledgement by the shipping carrier as receipt of this product as listed in your invoice as being in a good condition of shipment. If any of these goods listed on this Bill of Lading are missing or damaged, do not accept goods until the shipping carrier makes a notation on the freight bill of the missing or damaged goods. Do this for your own protection.

BE SAFE

Your new lift was designed and built with safety in mind. However, your overall safety can be increased with 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 lift at all times. Make sure that ALL USERS read and understand 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
www.bendpak.com

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

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			

4 Post Lifts Product Decal Positioning



CLEAR ADHESIVE PET DOES NOT PRINT YELLOW.

Total of 6

PN 5905311

BPK Post Branding Decal-Large.pdf:

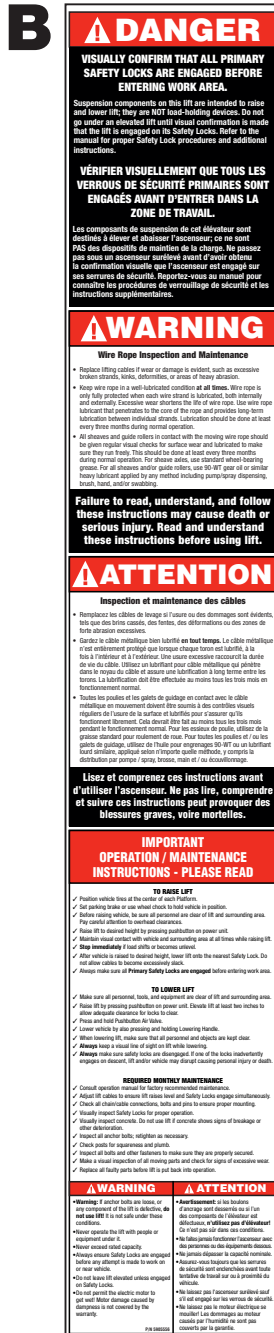
Size: 4.25"W x 38"H

Material: 4 Mil Clear Adhesive PET

Finish: Matte Overlamine (No gloss)

Print Process: Silk Screen, 85 line-screen
(Yellow color in file represents what should be clear PET material and SHOULD NOT print as Yellow ink. White area in file represents Opaque White ink.)

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905556

4-Post Safety-Operation Decal FRE-ENG.pdf:

Size: 4"W x 24"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905103

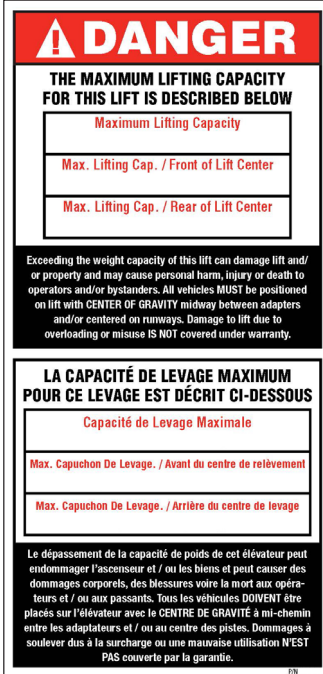
ALI_4_Post_labels.pdf:

(Order Labels from ALI)

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

***D**



P/N 5905401 - Max Cap. Danger 7k
 P/N 5905695 - Max. Cap. Danger 7500
 P/N 5905402 - Max Cap. Danger 9k
 P/N 5905557 - Max. Cap. Danger 14K
 P/N 5905406 - Max Cap. Danger 18k
 P/N 5905407 - Max. Cap. Danger 27K
 P/N 5905408 - Max. Cap. Danger 35K
 P/N 5905068 - Max. Cap. Danger 37K
 P/N 5905409 - Max. Cap. Danger 40K

***Max. Cap. Danger ENG-FRE.pdf:**

Size: 4"W x 8.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

***E**



***NRTL_Lifting_Cap_ENG-FRE_.pdf:**

Size: 4.5"W x 3.25"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

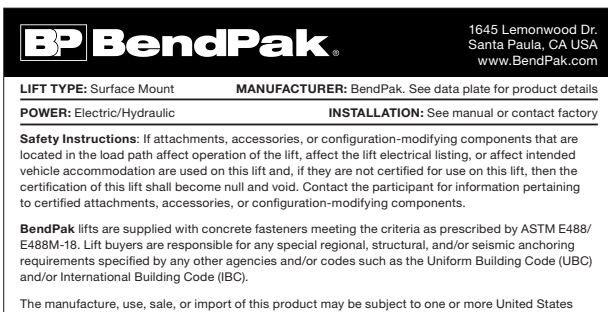
Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

P/N 5905645 - NRTL_Lifting_Cap_Label_7K
 P/N 5905700 - NRTL_Lifting_Cap_Label_7500
 P/N 5905650 - NRTL_Lifting_Cap_Label_9k
 P/N 5905665 - NRTL_Lifting_Cap_Label_14k
 P/N 5905675 - NRTL_Lifting_Cap_Label_18k
 P/N 5905680 - NRTL_Lifting_Cap_Label_27k
 P/N 5905685 - NRTL_Lifting_Cap_Label_35K
 P/N 5905067 - NRTL_Lifting_Cap_Label_37K
 P/N 5905690 - NRTL_Lifting_Cap_Label_40K

***DEPENDS ON LIFT
 MODEL AND CAPACITY**

F



Product_Data_Label_5905940-New.pdf: PN 5905940

Size: 4.5"W x 2.3"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

G



ALI_Notice_Label.jpg

Size: 3"W x 1.75"H

(Order Label from ALI)

PN 5905377

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

H



Slipper_When_Wet_Label-5905138.pdf: PN 5905138

Size: 4.5"W x 2.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or

300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-laminate (No gloss) for abrasion, chemical and ultra violet protection.

I



ALI Gold Label - MET C-US PN 5905654

****FOR ALI APPROVED LIFTS ONLY**

J

BP BendPak Santa Paula, CA USA www.bendpak.com	
MODEL NUMBER	
DESCRIPTION	
LIFT CAPACITY	DATE CODE
ROLLING JACK MAX CAP.	MAX PSI / BAR
VOLTAGE	SERIAL NUMBER
☐ 110-240V, 50-60 Hz, 1 Ph ☐ 208-240V, 50-60 Hz, 1 Ph ☐ 380-415V, 50-60 Hz, 3 Ph ☐ 208-440V, 50-60 Hz, 3 Ph	UPC
DANGER! Disconnect Power Before Servicing WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905953	

PN 5905953

2017_Serial_Tag-D.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

CE APPROVED LIFTS ONLY

K

BP BendPak Santa Paula, CA USA www.bendpak.com	
MODEL NUMBER	
DESCRIPTION	
LIFT CAPACITY	DATE CODE
ROLLING JACK MAX CAP.	MAX PSI / BAR
VOLTAGE	SERIAL NUMBER
☐ 110-240V, 50-60 Hz, 1 Ph ☐ 208-240V, 50-60 Hz, 1 Ph ☐ 380-415V, 50-60 Hz, 3 Ph ☐ 208-440V, 50-60 Hz, 3 Ph	UPC
DANGER! Disconnect Power Before Servicing WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905952	

PN 5905952

2017_Serial_Tag-C.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

NON-CE APPROVED LIFTS ONLY

IMPORTANT: Please use materials as instructed

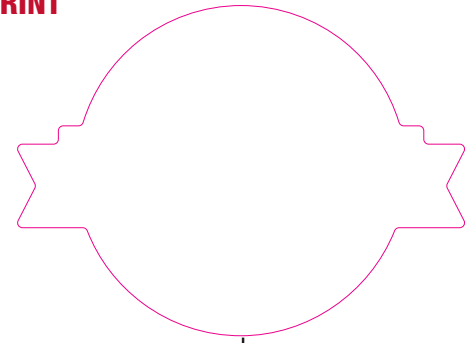
4 Post Lifts Product Decal Positioning

L



GRAY DOES NOT PRINT

PN 5906044



DIE-CUT LINE
DOES NOT PRINT

American_Owned_50_Years_Logo.pdf:

Trim: 4"W x 3"H

Material: 4 Mil. Permanent White Adhesive Vinyl

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

Finish: Matte Overlamine (No Gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear Laminate non-glare medium matte over laminate for abrasion, chemical, and ultra violet protection

M

CALIFORNIA PROPOSITION 65



WARNING

WARNING! This product can expose you to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. ALWAYS use this product in accordance with the manufacturer's instructions.

For more information, go to
www.p65warnings.ca.gov.

PN 5905775

Prop_65_Label.pdf:

Size: 1.5"W x 1.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

PN 5905775

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

**SEE NEXT PAGE
FOR LABEL
PLACEMENT HEIGHT**

****FOR ALL APPROVED
LIFTS ONLY**

M, E, C

**Back of Post
(Top to Bottom)**

**G, D, I,
J or K, F**

**Front of Post
(Top to Bottom)**

B
Side of Post

A
(Front & Back of post)

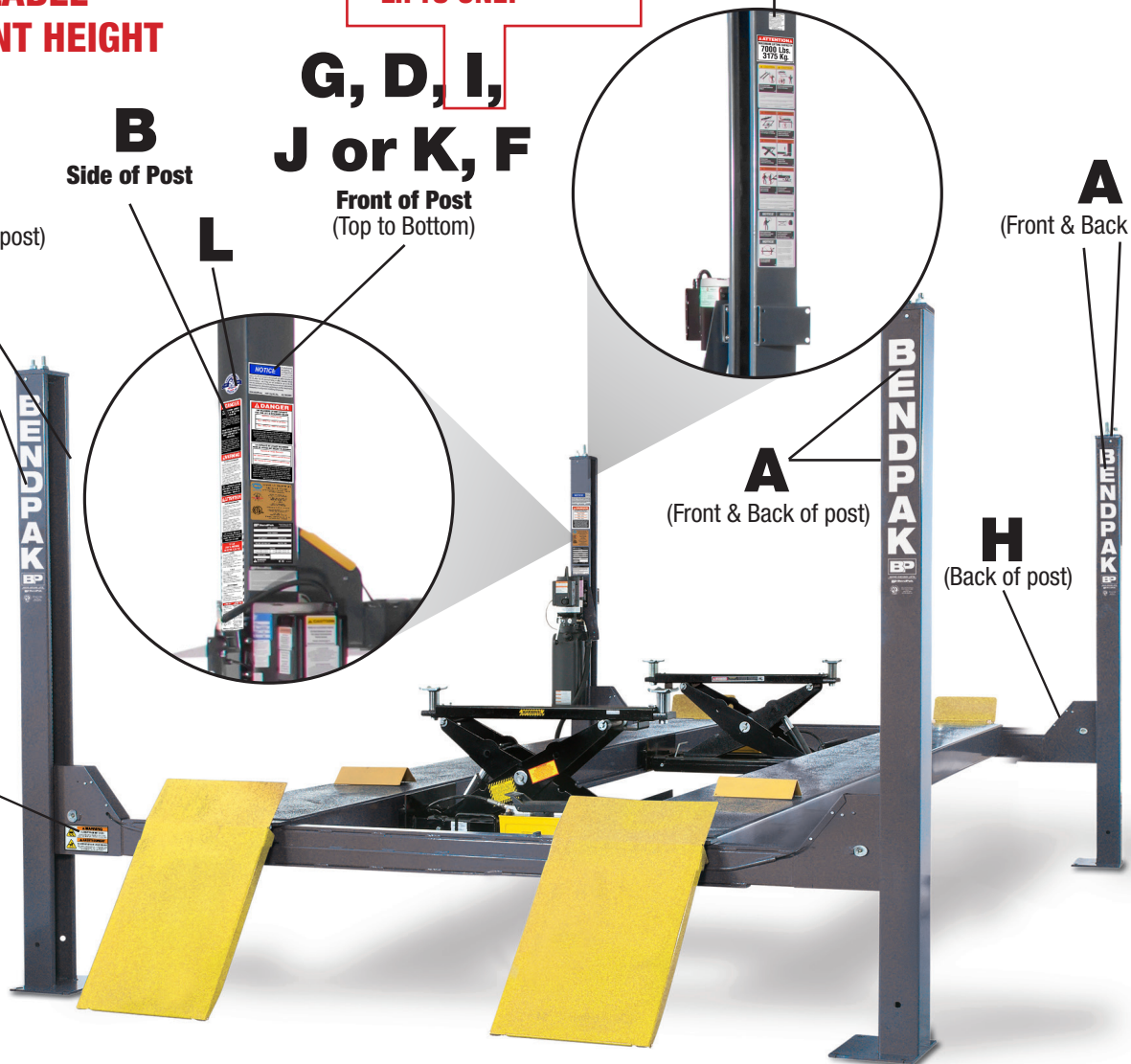
L

A
(Front & Back of post)

A
(Front & Back of post)

H
(Back of post)

H
(Also on other side of lift)



4 Post Lifts Product Decal Positioning

Views of Powerside Post

BACK OF POST

SIDE OF POST

FRONT OF POST

