

Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK HD-7W

PRODUCT SKU
5175120

DRAWING Nº
5260515

CATEGORY
Four Post Lift

REV
Version AE

DATE
06.14.2022

BendPak.

This guide is a troubleshooting reference used for maintaining and servicing your Bend Pak product. It provides comprehensive information on identifying serviceable parts and components and assists in troubleshooting problems and performing assembly /disassembly procedures.



BendPak, Inc. Corporate Office
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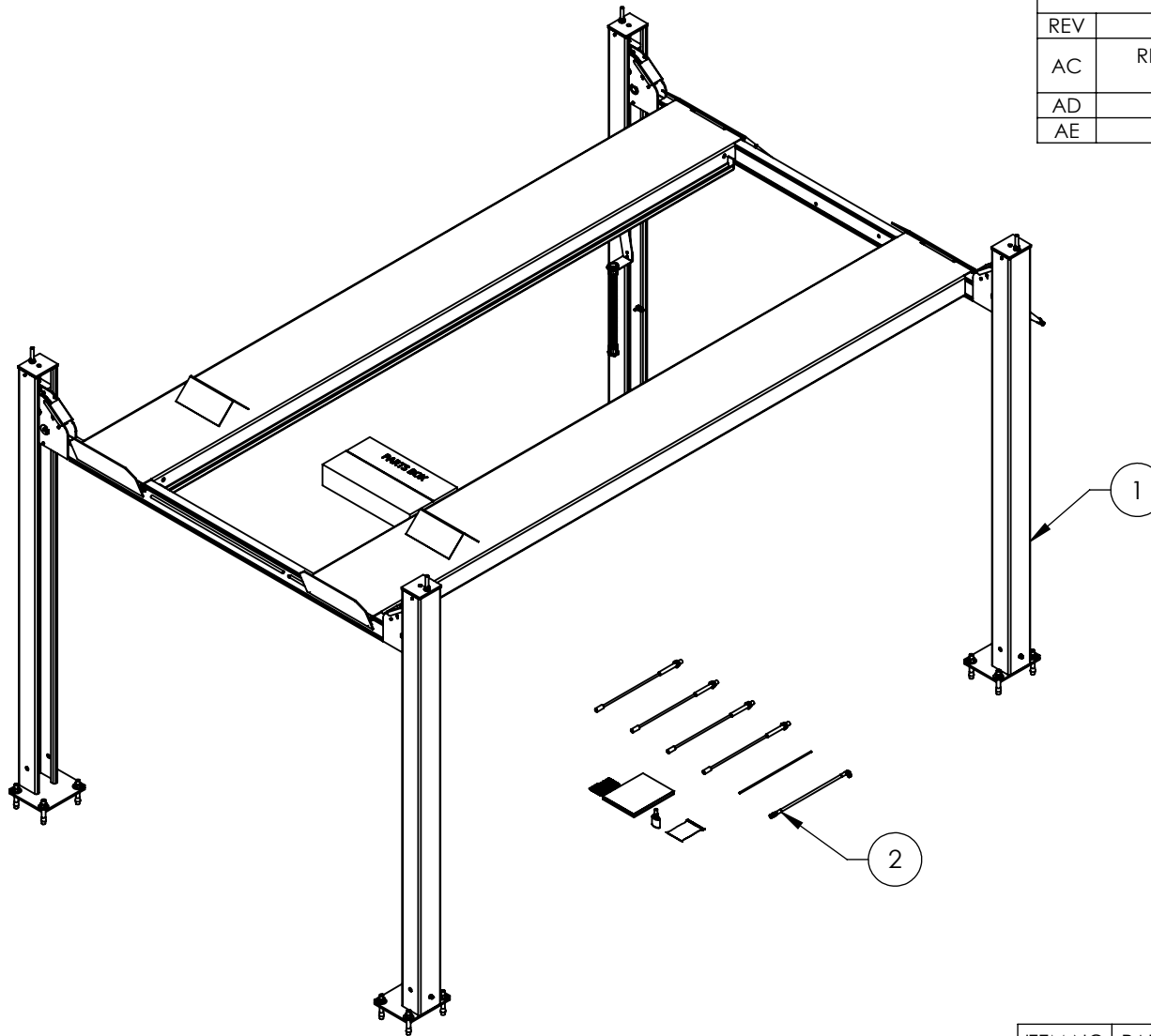
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bpkexports@bendpak.com

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



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245384	HD-7W LIFT SUPERSTRUCTURE	1	AB
2	5250164	HD-7W PARTS BOX	1	M

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	08/12/2014
CHECKED	
THIRD ANGLE PROJECTION	

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TITLE: HD-7W PRODUCTION
LIFT VER D (CE CERT)

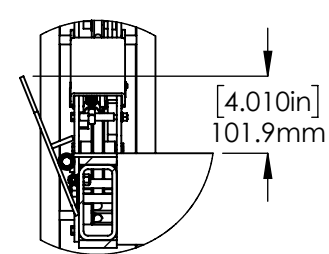
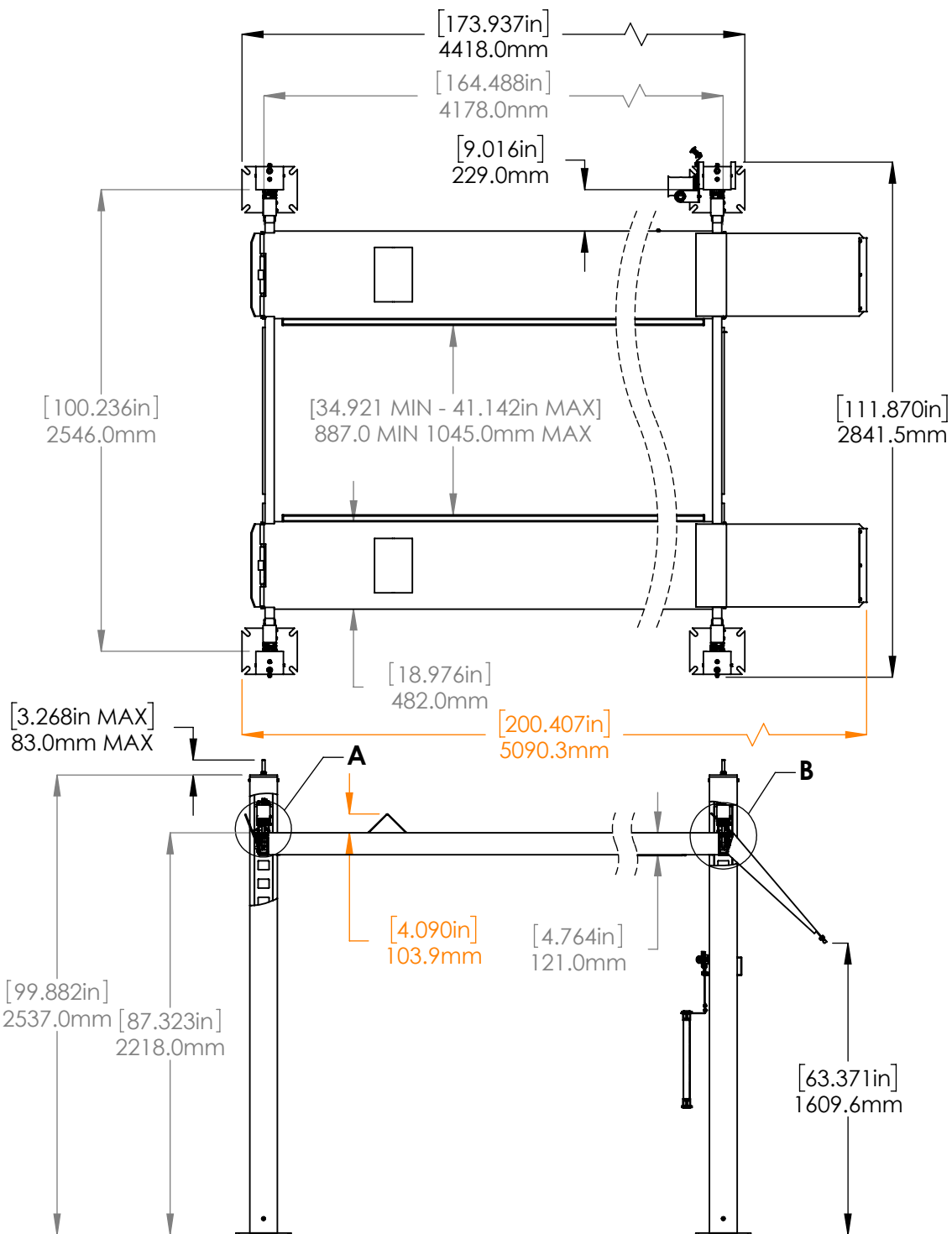
SIZE	DWG. NO.	REV
A	5260515	AE

SCALE: 1:35

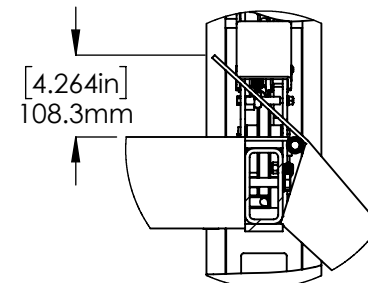
SHEET 1 OF 3

NOTE: UNLESS OTHERWISE SPECIFIED.

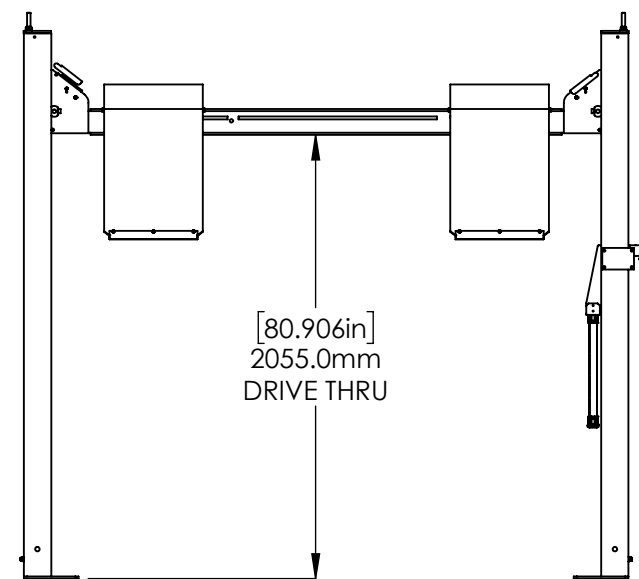
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT



DETAIL A
SCALE 1 : 10

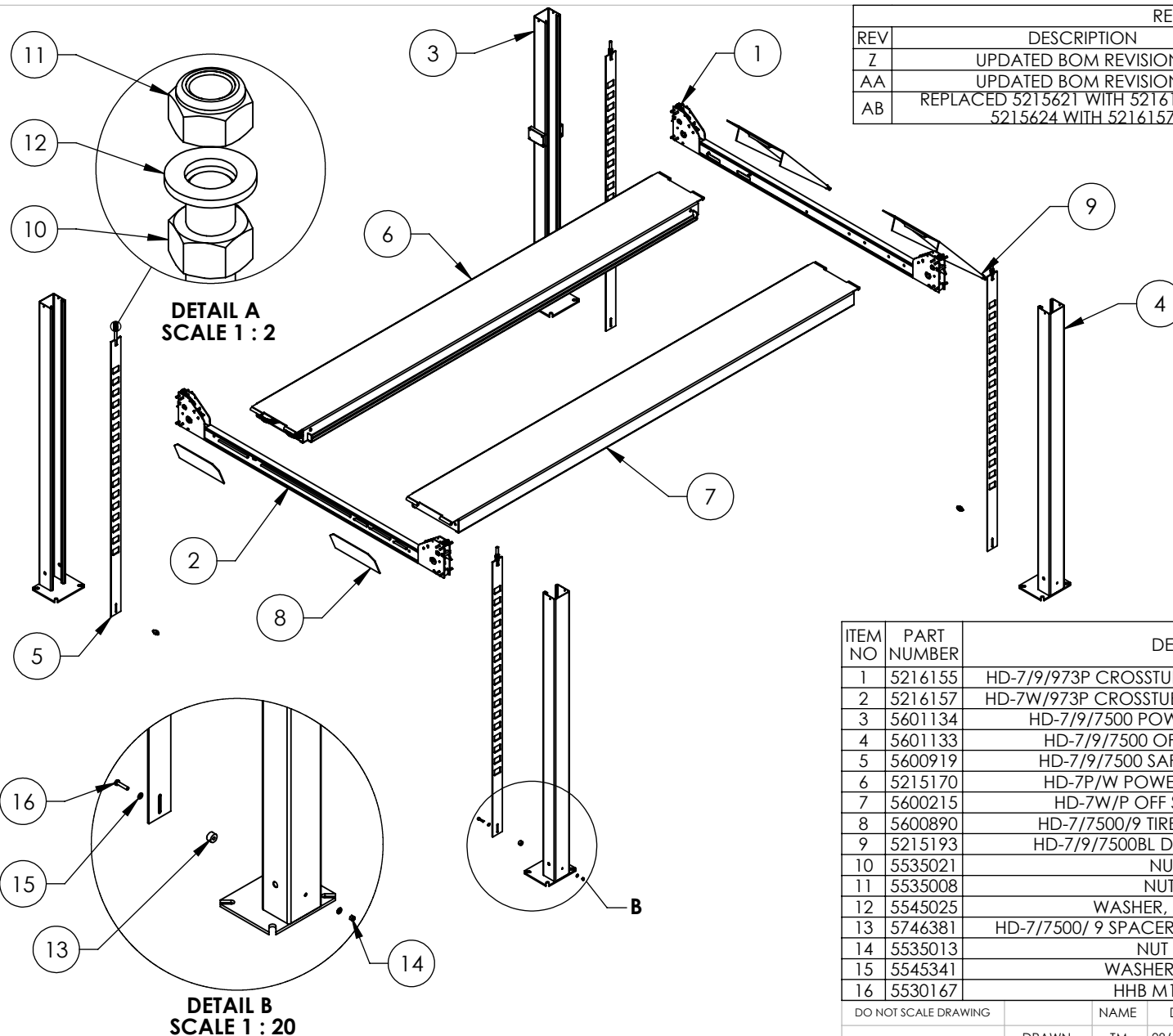


DETAIL B
SCALE 1 : 10



FRONT VIEW

BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-7W PRODUCTION LIFT VER D (CE CERT)		
SIZE	DWG. NO.	REV
A	5260515	AE
SCALE: 1:35		SHEET 2 OF 3



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
Z	UPDATED BOM REVISIONS	07/14/2021	TM	01316
AA	UPDATED BOM REVISIONS	12/13/2021	TM	01367
AB	REPLACED 5215621 WITH 5216155, AND 5215624 WITH 5216157	05/24/2022	TM	01414

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5216155	HD-7/9/973P CROSSTUBE ASSEMBLY, SMALL WINDOW	1	A
2	5216157	HD-7W/973P CROSSTUBE ASSEMBLY, LARGE WINDOW	1	A
3	5601134	HD-7/9/7500 POWER SIDE POST WELDMENT	1	B
4	5601133	HD-7/9/7500 OFF SIDE POST WELDMENT	3	B
5	5600919	HD-7/9/7500 SAFETY LADDER WELDMENT	4	C
6	5215170	HD-7P/W POWER SIDE RAMP ASSEMBLY	1	Y
7	5600215	HD-7W/P OFF SIDE RAMP WELDMENT	1	E
8	5600890	HD-7/7500/9 TIRE STOP PLATE WELDMENT	2	F
9	5215193	HD-7/9/7500BL DRIVE UP RAMP ASSEMBLY	2	G
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-7W

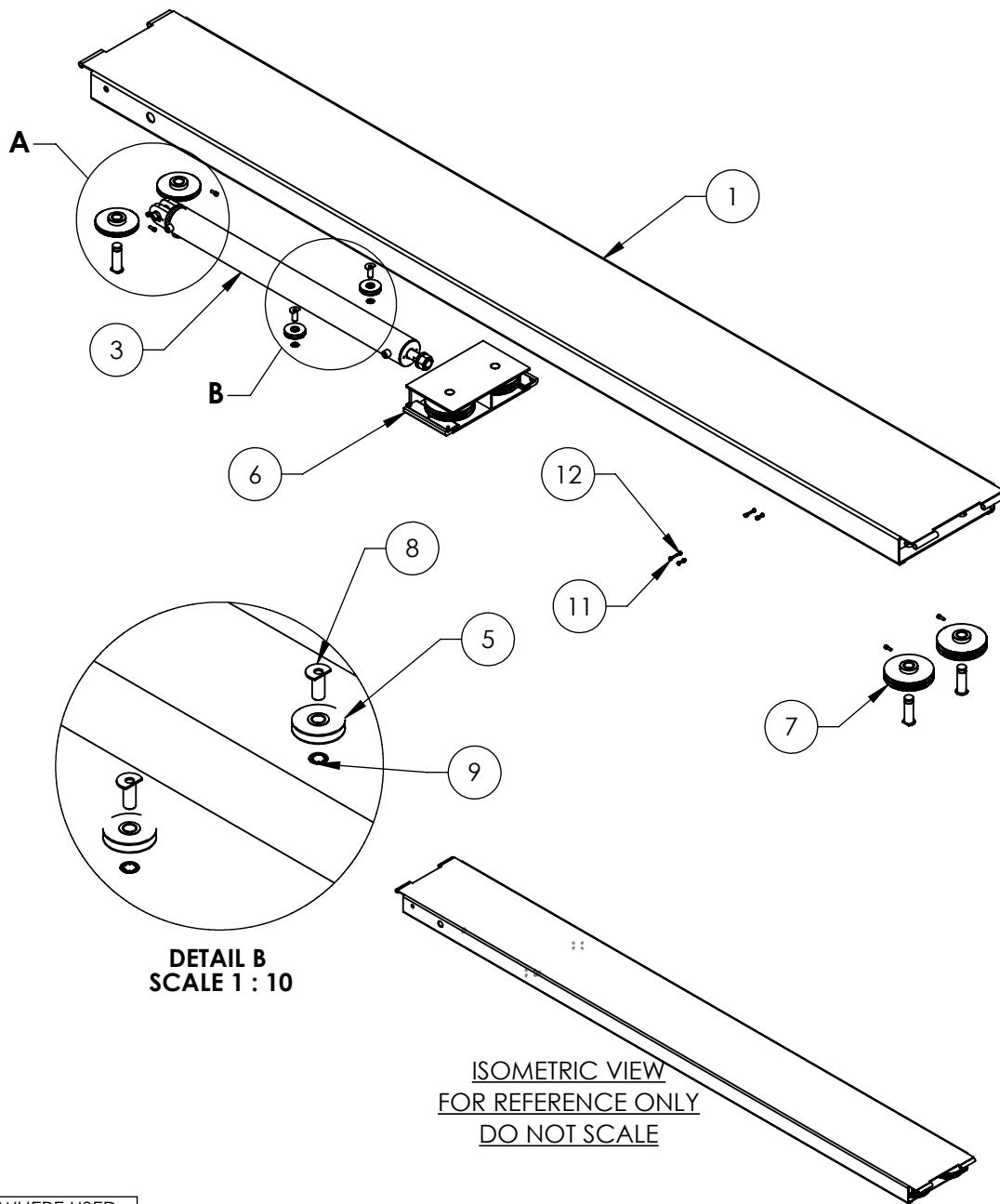
NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5260515

DO NOT SCALE DRAWING		NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		TM	08/11/2014	
CHECKED				
DIMENSIONS ARE IN MM		THIRD ANGLE PROJECTION		TITLE: HD-7W LIFT SUPERSTRUCTURE SIZE DWG. NO. A 5245384 REV AB
				SCALE: 1:45 SHEET 1 OF 1

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DETAIL B
SCALE 1 : 10

DETAIL A
SCALE 1 : 10

ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-7P
HD-7W

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245384
5245388

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
W	UPDATED BOM REIVSION	03/26/2021	TM	01290
X	UPDATED BOM REVISION	07/14/2021	TM	01316
Y	UPDATED BOM REVISION	12/10/2021	TM	01367

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600202	HD-7P/W POWER SIDE RAMP WELDMENT	1	J
2	5215122	HD-7/7500/9 SINGLE SHEAVE ROLLER ASSEMBLY	2	E
3	5502112	CYLINDER ASSEMBLY Ø3.5 x 41	1	J
4	5600900	HD-7/7500/9 RAMP SHEAVE SHAFT WELDMENT	4	E
5	5575103	HD-7/973/7500PBX 76mm DIRECTION SHEAVE ASSEMBLY	2	E
6	5215186	HD-7 PULL BOX ASSEMBLY	1	G
7	5215185	HD-7/7500/973 TWIN SHEAVE ASSEMBLY	2	C
8	5600301	HD-7/7500/973 DIRECTIONAL SHEAVE PIN WELDMENT	2	C
9	5505032	ROTOR CLIP Ø18mm SS	2	--
10	5530776	SHCS M8 x 1.25 x 20mm	4	--
11	5530047	HHB, M6 x 1 x 30mmL	4	--
12	5535357	NUT M6 x 1.0 NL	4	--

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN GJZ	10/20/2008
CHECKED	
THIRD ANGLE PROJECTION	

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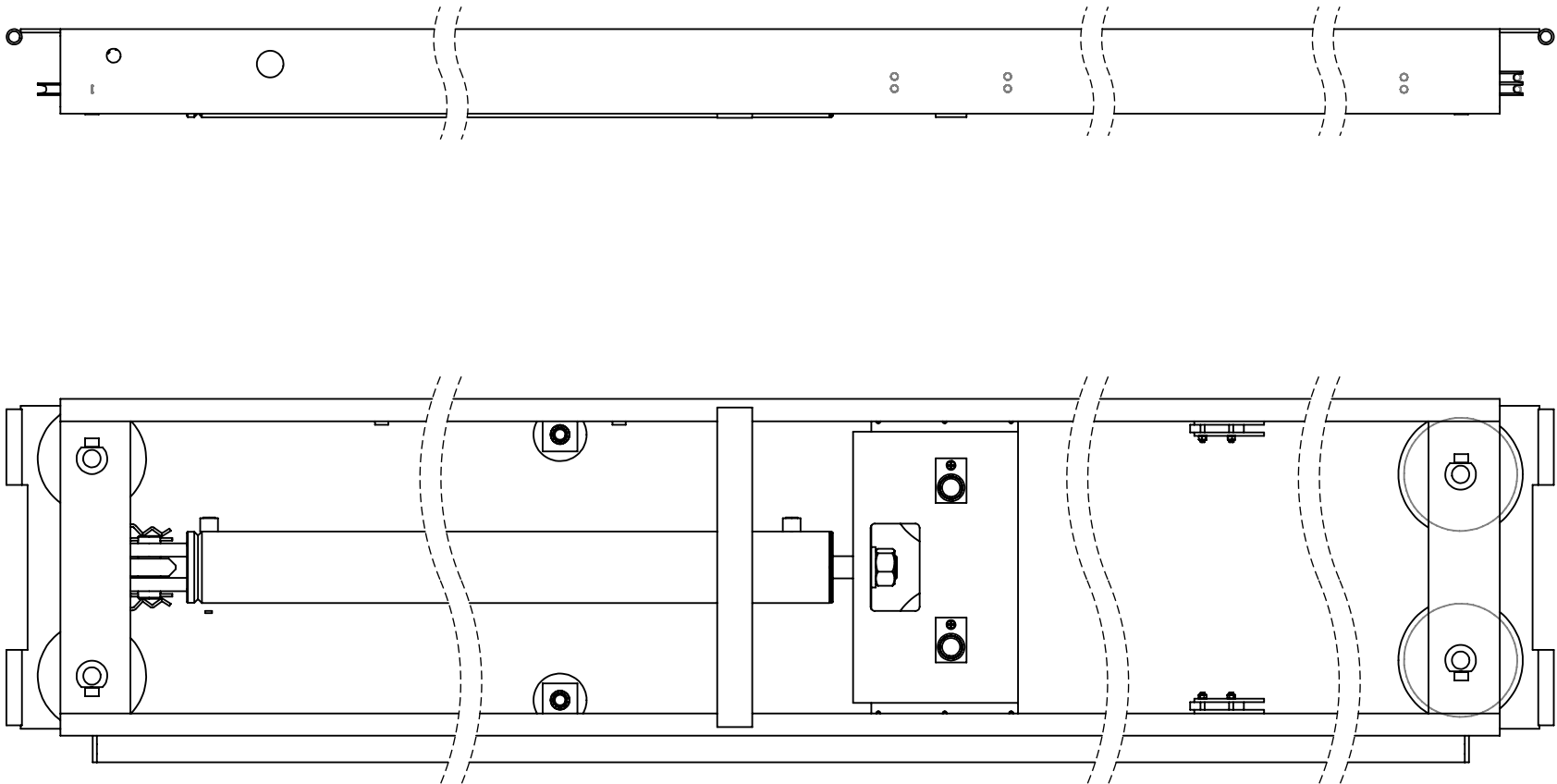
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HD-7P/W POWER SIDE
RAMP ASSEMBLY

SIZE DWG. NO. REV
A 5215170 Y

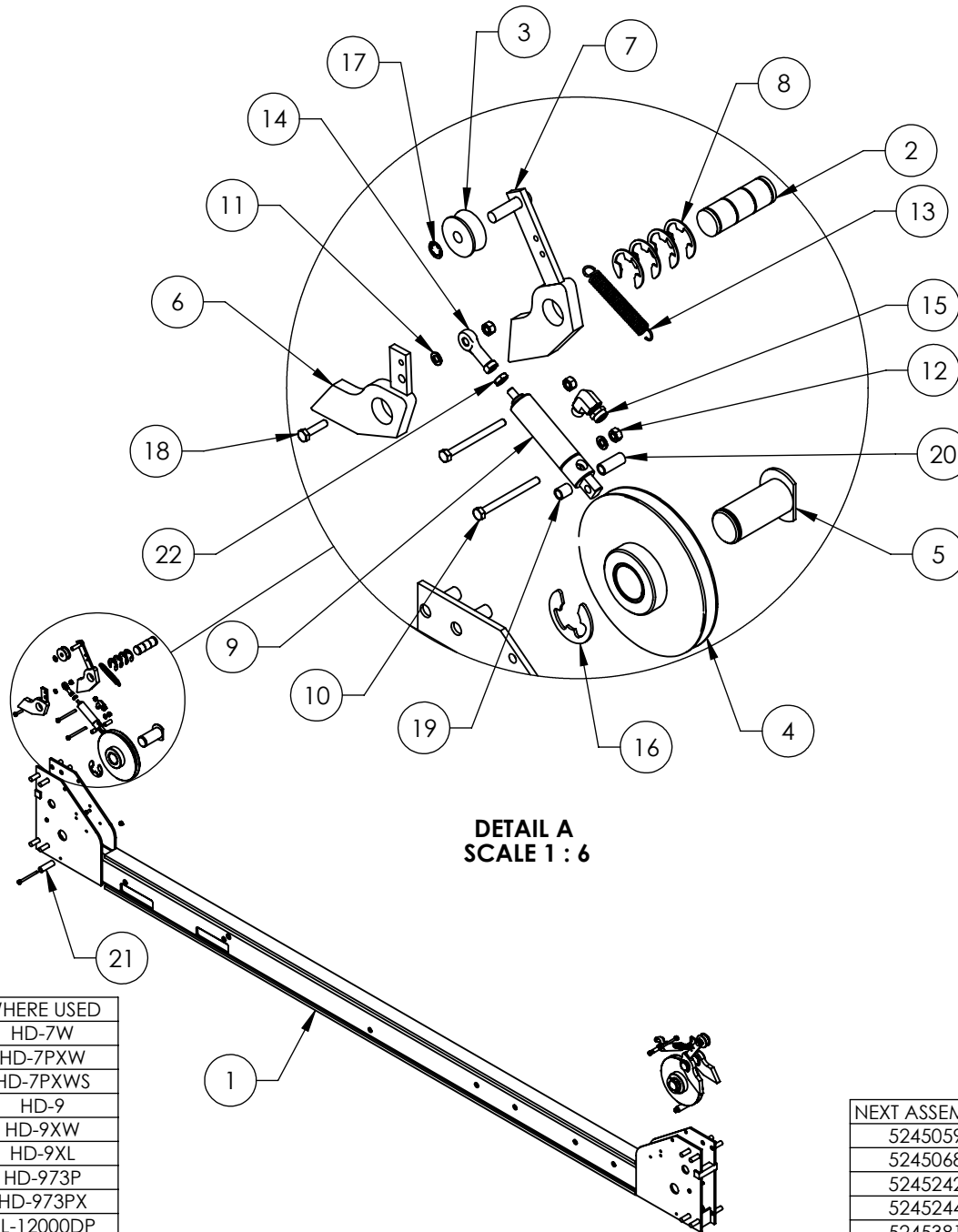
SCALE: 1:25

SHEET 1 OF 2



		
1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-7P/W POWER SIDE RAMP ASSEMBLY		
SIZE	DWG. NO.	REV
A	5215170	Y
SCALE: 1:10		SHEET 2 OF 2

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215621	04/29/2022	TM	01414



DETAIL A
SCALE 1 : 6

WHERE USED
HD-7W
HD-7PXW
HD-7PXWS
HD-9
HD-9XW
HD-9XL
HD-973P
HD-973PX
PL-12000DP

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601822	HD-7/9/973P 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	-

NEXT ASSEMBLY
5245059
5245068
5245242
5245244
5245381
5245382
5245383
5245384
5245385

DO NOT SCALE DRAWING

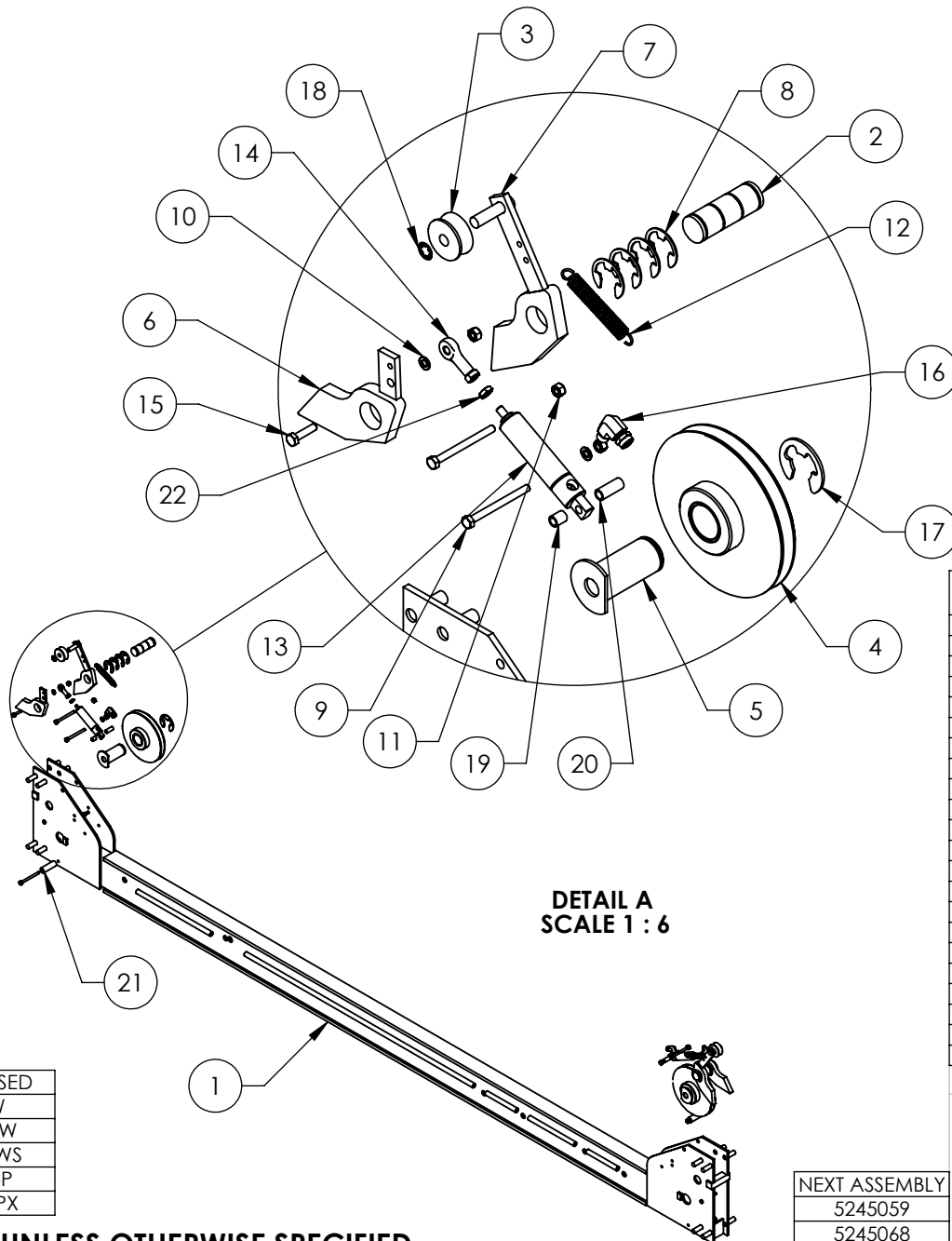
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NAME	DATE
DRAWN	TM 04/29/2022
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THIRD ANGLE PROJECTION	
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1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE: HD-7/9/973P CROSSTUBE ASSEMBLY, SMALL WINDOW	
SIZE DWG. NO.	REV
A 5216155	A
SCALE: 1:20	
SHEET 1 OF 1	

REV	DESCRIPTION	REVISION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5215624		05/02/2023	TM	01414



DETAIL A
SCALE 1:6

WHERE USED

HD-7W
HD-7PXW
HD-7PXWS
HD-973P
HD-973PX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601823	HD-7W/973P 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	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NEXT ASSEMBLY

5245059
5245068
5245244
5245384
5245385

NAME DATE
DRAWN TM 05/02/2022
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THIRD ANGLE PROJECTION

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SANTA PAULA, CA 93060

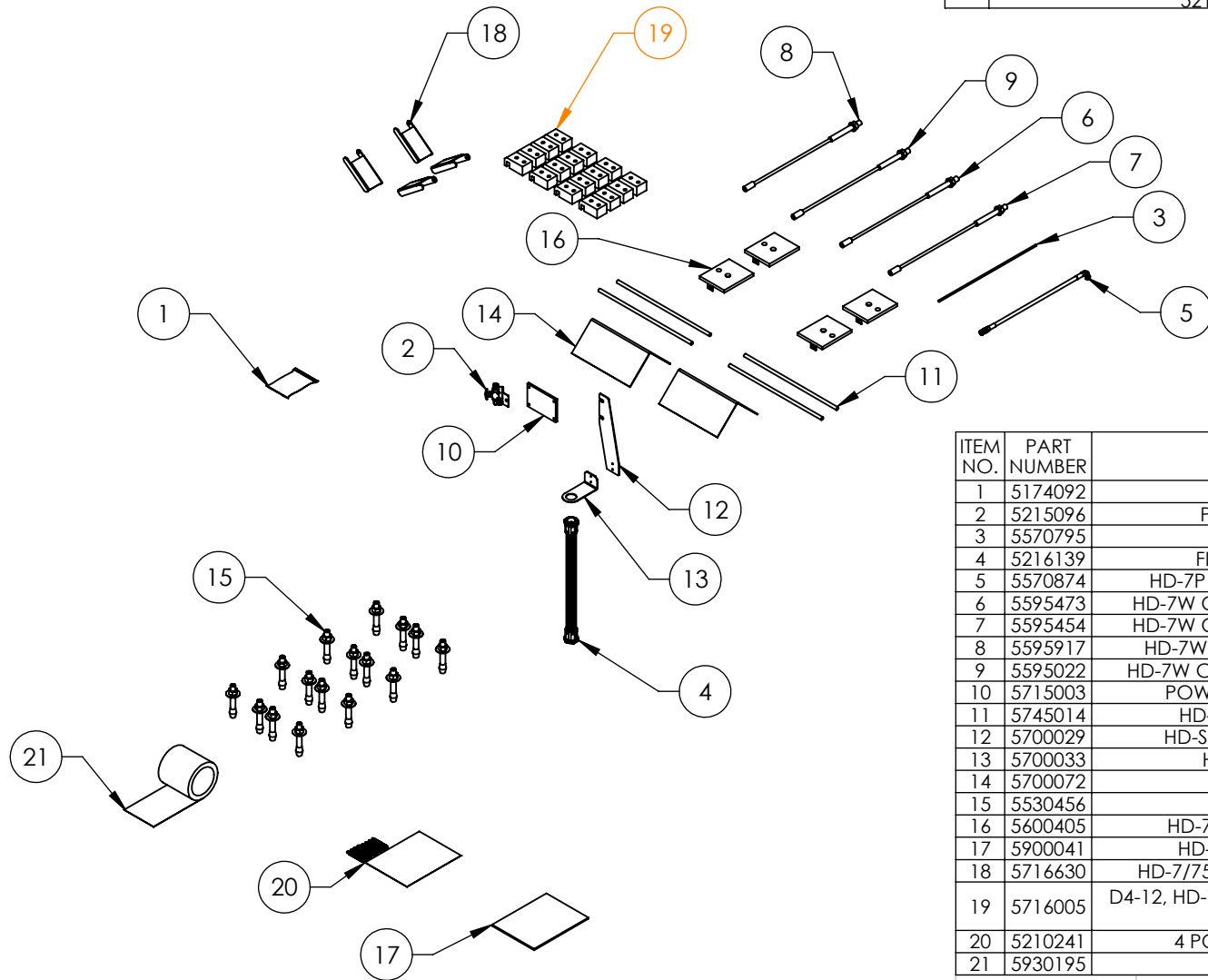
TITLE:
HD-7W/973P CROSSTUBE
ASSEMBLY, LARGE WINDOW

SIZE DWG. NO. REV
A 5216157 A

SCALE: 1:20

SHEET 1 OF 1

REV	DESCRIPTION	DATE	EDITED BY	ECO#
K	ADDED 5210241, REMOVED 5535358 AND 5545342, UPDATED BOM REVISIONS	07/10/2020	TM	01174
L	UPDATED BOM REVISION	07/14/2021	TM	01316
M	ADDED 5930195, REPLACED 5570050 WITH 5216139	05/04/2022	TM	01414 PRE A



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5174092	HD-7/9/7500 PARTS BAG	1	G
2	5215096	PUSH BUTTON AIR ASSEMBLY	1	G
3	5570795	1/4" POLY-FLO TUBING	17000*mm	-
4	5216139	FLEX TUBE KIT, UP TO 2000mm	1	A
5	5570874	HD-7P HYD. HOSE ASSY Ø6.4 x 2492mm	1	D
6	5595473	HD-7W CABLE ASSEMBLY Ø10 x 5099mm ST	1	D
7	5595454	HD-7W CABLE ASSEMBLY Ø10 x 6724mm ST	1	E
8	5595917	HD-7W CABLE ASSEMBLY Ø10 x 9271mm	1	F
9	5595022	HD-7W CABLE ASSEMBLY Ø10 x 10897mm ST	1	K
10	5715003	POWER UNIT VIBRATION DAMPENER	1	B
11	5745014	HD-7/7500/9 DRIVE UP RAMP PIN	4	B
12	5700029	HD-SERIES FLEX TUBE BRACKET PLATE	1	F
13	5700033	HD-SERIES FLEX TUBE ANGLE	1	E
14	5700072	WHEEL CHOCK	2	B
15	5530456	AB 3/4" x 4 - 3/4"	16	-
16	5600405	HD-7/9/7500 TOP PLATE WELDMENT	4	C
17	5900041	HD-7P/W INSTALLATION MANUAL	1	-
18	5716630	HD-7/7500/9 CROSSTUBE COVER, PLASTIC	4	A
19	5716005	D4-12, HD-7/7500/9/14/HDSO-14 POLYETHYLENE SLIDE BLOCK	16	M
20	5210241	4 POST LIGHT DUTY CE PARTS BAG	1	A
21	5930195	ANTI-SLIP TAPE, 6" x 24ft	1	--

WHERE USED
HD-7W

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5260515

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME
DATE
DRAWN
TM
05/07/2013
CHECKED

THIRD ANGLE PROJECTION



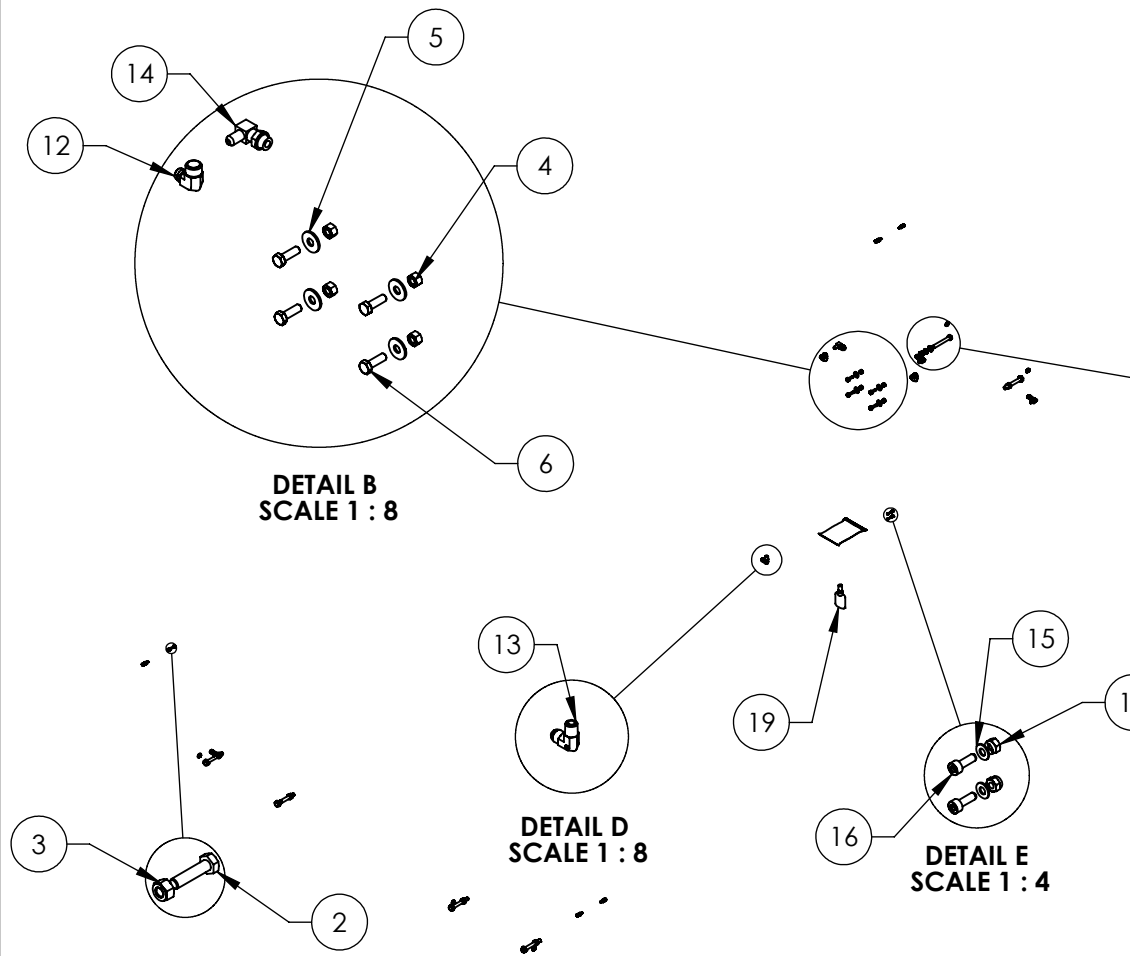
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SANTA PAULA, CA 93060

TITLE:
HD-7W PARTS BOX

SIZE DWG. NO. REV
A 5250164 M

SCALE: 1:25 SHEET 1 OF 1



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	REPLACED 5550004 WITH 5550089, 5550489 WITH 5550395, UPDATED NEXT ASSEMBLIES	10/29/2013	TM	00593
F	ADDED 5550025 AND 5580012	12/12/2019	CA	01120
G	REMOVED 5550025	07/14/2021	TM	01316

WHERE USED	
HD-7W	HD-7500BLX
HD-7P	HD-9STX
HD-9	HD-75BXT
HD-9XL	HD-7500BL
HD-9XW	HD-7500BLX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

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 -04JIC 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	5545535	C WASHER SHIM FOR LIFTS	20	-
19	5580012	LIQUID PTFE THREAD SEALANT 50ml	1	-

NEXT ASSEMBLY
5250164
5250167
5250168
5250169
5250184
5250185
5250187
5250188
5250189
5250338

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM

NAME

DATE

DRAWN

AC

08/08/2008

CHECKED

OR

07/26/2021

THIRD ANGLE PROJECTION

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 SANTA PAULA, CA 93060

TITLE:
HD-7/9/7500 PARTS BAG

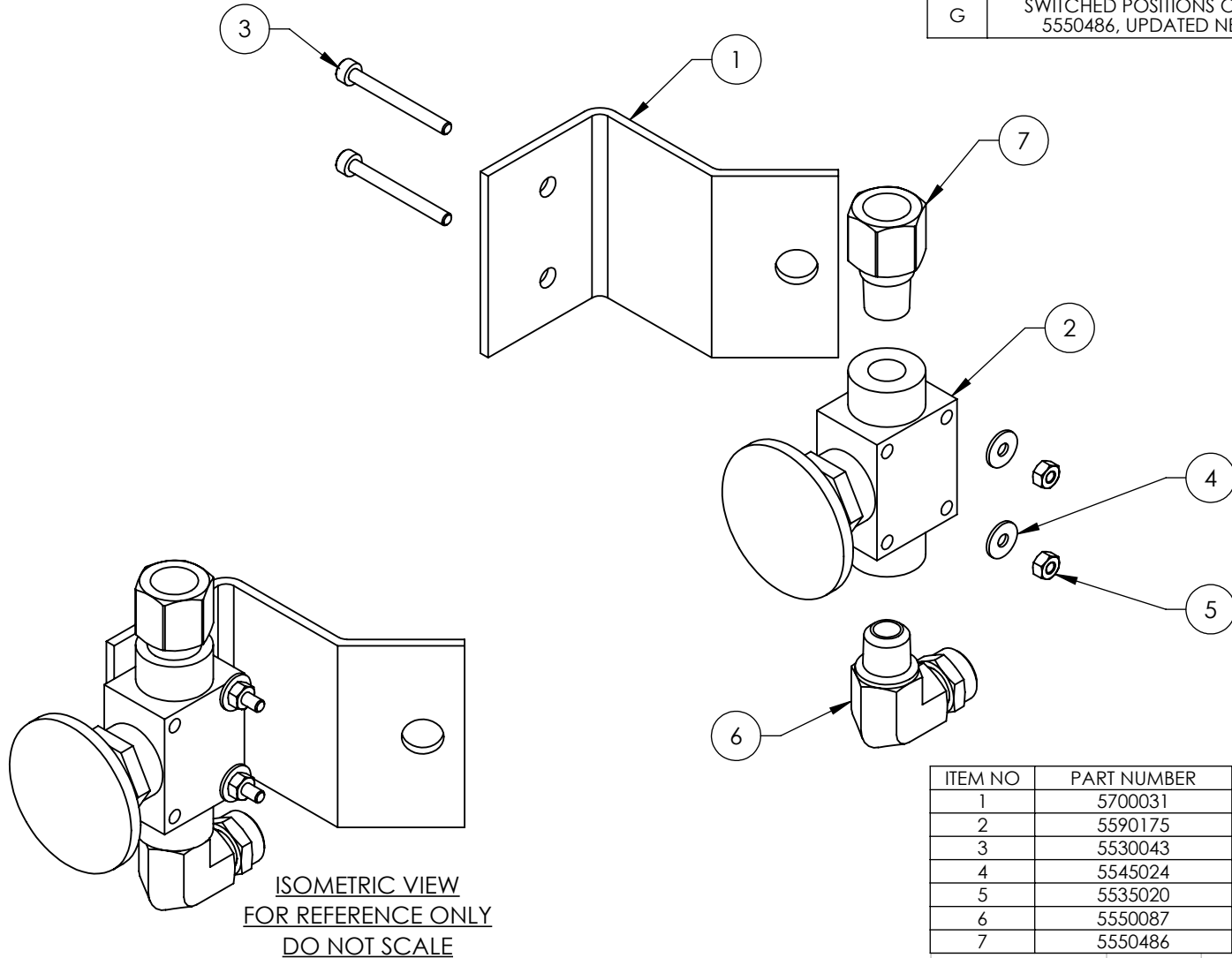
SIZE DWG. NO.
A 5174092

REV
G

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.

A 5215096

REV

G

SCALE: 2:3

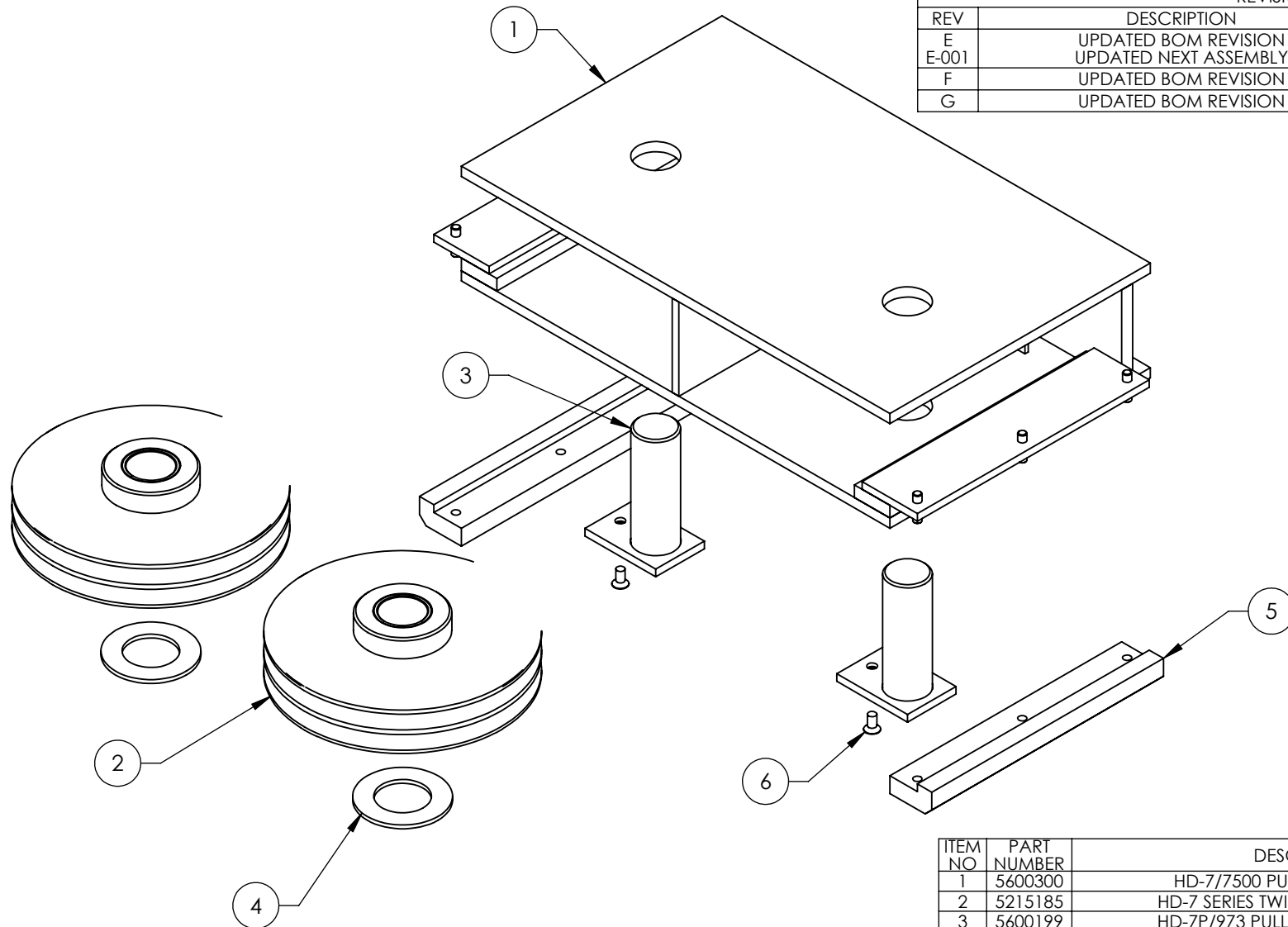
SHEET 1 OF 1

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

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	11/13/2017	TM	00909
E-001	UPDATED NEXT ASSEMBLY	04/18/2018	CA	00941
F	UPDATED BOM REVISION	05/30/2018	TS	00951
G	UPDATED BOM REVISION	07/14/2021	TM	01316



WHERE USED
HD-7P
HD-7W
HD-7PXN
HD-7PXW
HD-7PBX

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5215170
5215171

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600300	HD-7/7500 PULL BOX WELDMENT	1	A
2	5215185	HD-7 SERIES TWIN SHEAVE ASSEMBLY	2	C
3	5600199	HD-7P/973 PULLBOX PIN WELDMENT	2	B
4	5716160	HD-7P PULL BOX SHEAVE WEAR RING	2	A
5	5716161	HD-7P SERIES PULLBOX POLYETHYLENE SLIDE BLOCK	2	E
6	5530400	FHPS M6 x 1.0 x 12	2	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN AC	11/18/2008
CHECKED OR	07/20/2021

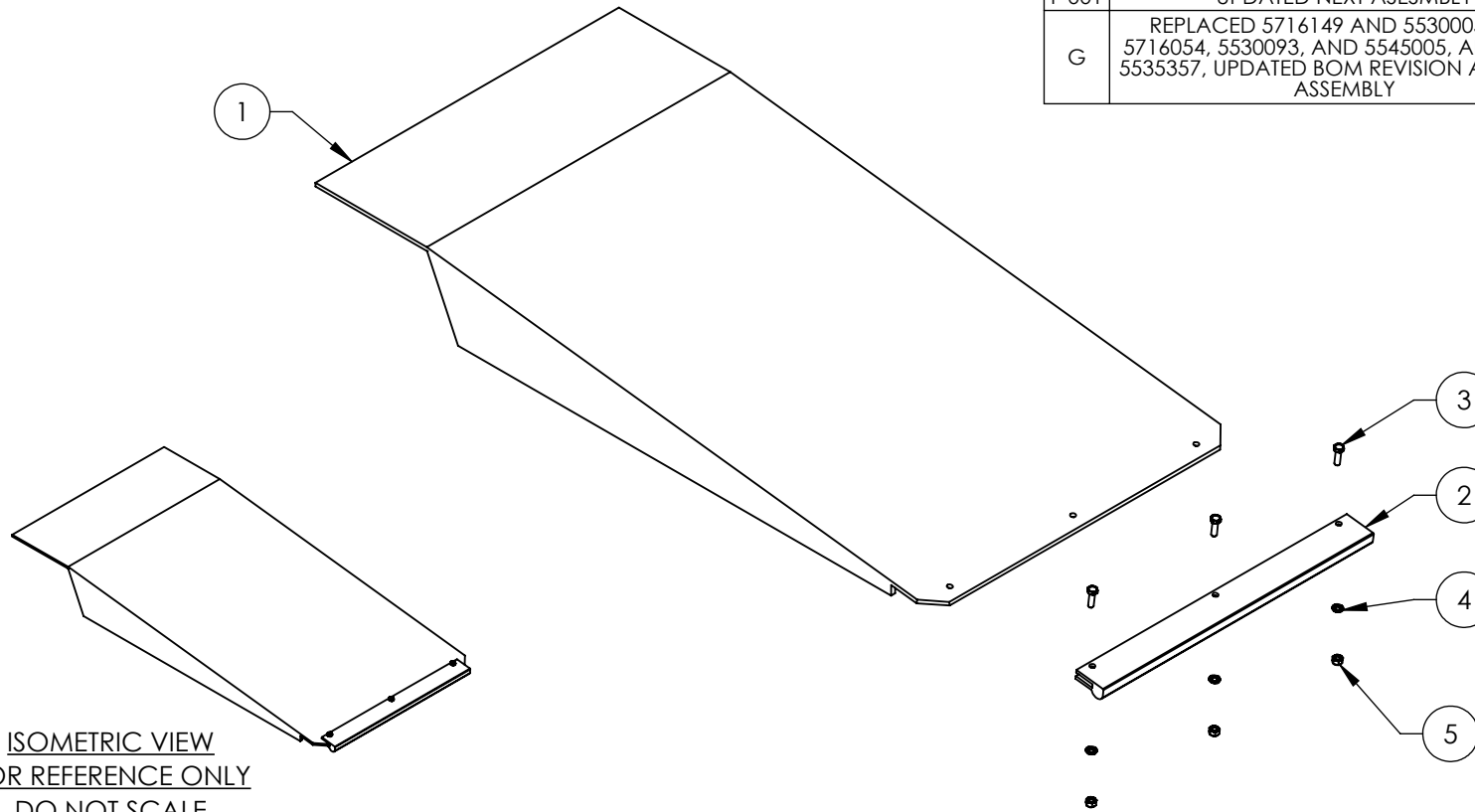
THIRD ANGLE PROJECTION

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BP BendPak.
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

TITLE:	SIZE	DWG. NO.	REV
HD-7 PULL BOX ASSEMBLY	A	5215186	G
SCALE: 1:4		SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E E-001 E-006	UPDATED BOM REVISION UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLY	08/22/2012 11/19/2012 04/19/2018	TM TM CA	00541 00562 00941
F F-001	UPDATED BOM REVISION AND NEXT ASSEMBLY UPDATED NEXT ASESMBLY	06/01/2018 08/23/2018	CA TM	00951 00972
G	REPLACED 5716149 AND 5530005 WITH 5716054, 5530093, AND 5545005, ADDED (1) 5535357, UPDATED BOM REVISION AND NEXT ASSEMBLY	09/09/2019	TS	01120



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-7 SERIES
HD-9
HD-9ST
HD-9STX
HD-9XL
HD-9XW
HD-973 SERIES
HD-7500 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

NEXT ASSEMBLY		
5245059	5245384	5245243
5245068	5245385	5245244
5245144	5245386	
5245163	5245388	
5245166	5245391	
5245380	5245392	
5245381	5245393	
5245382	5245395	
5245383	5245396	

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600891	HD-7/9/7500 DRIVE UP RAMP WELDMENT	1	E
2	5716054	APPROACH RAMP EDGE GUARD	1	A
3	5530093	HHB M6 x 1.0 x 20mm	3	--
4	5545005	WASHER, M6 x 12mm FLAT	3	--
5	5535357	NUT M6 x 1.0 NL	3	--

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN AC	11/13/2008
CHECKED OR	04/20/2020

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR. SANTA PAULA, CA 93060

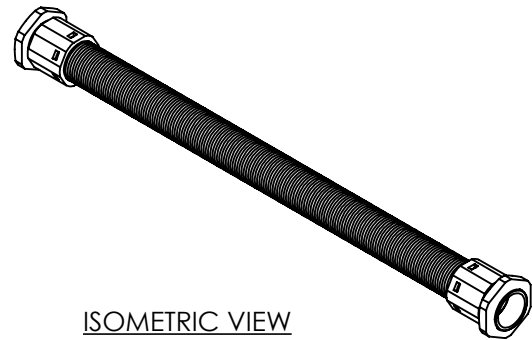
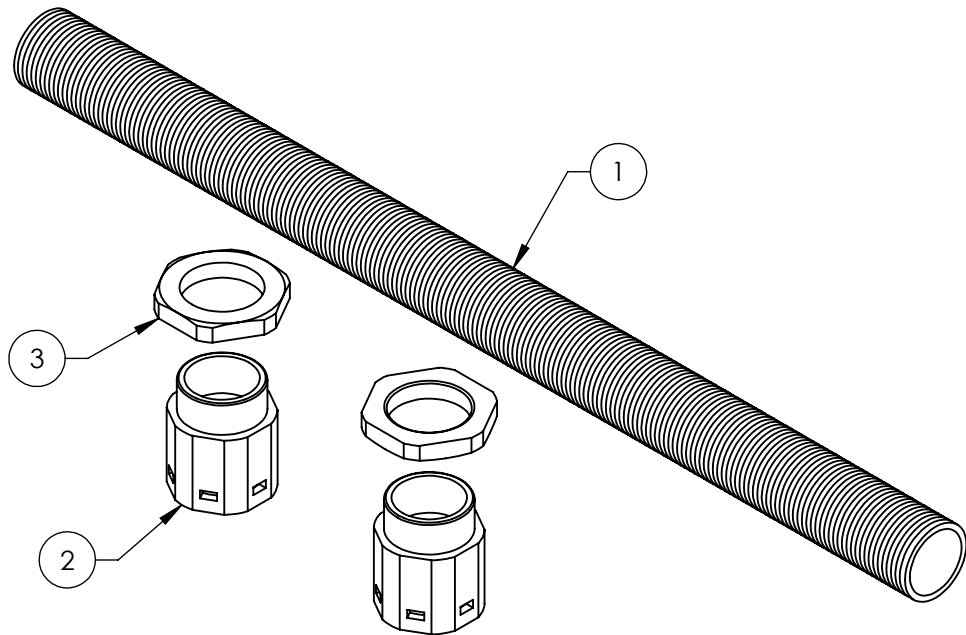
TITLE:
HD-7/9/7500BL DRIVE UP
RAMP ASSEMBLY

SIZE	DWG. NO.	REV
A	5215193	G

SCALE: 1:8

SHEET 1 OF 1

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	

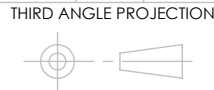
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570053	PE FLEX TUBE Ø34.5xØ29	2100mm*	--
2	5555555	WQG1-M36/AD34.5 CONNECTOR	2	--
3	5535050	PLASTIC NUT M36 x 2	2	--

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



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



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TITLE: FLEX TUBE KIT,
UP TO 2000mm

SIZE	DWG. NO.	REV
A	5216139	A

SCALE: 1:3

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:

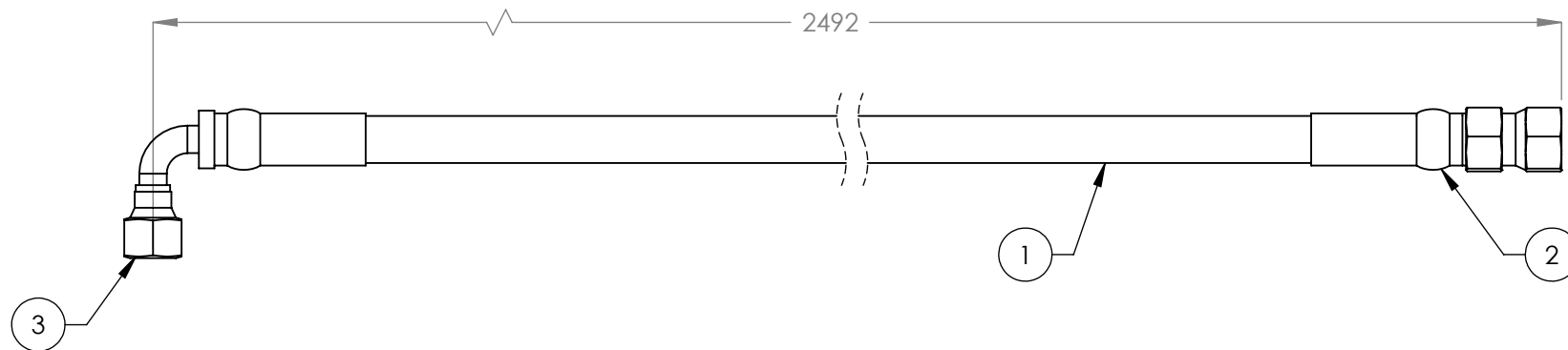
Xin Yurong
 Shandong Ningjin High Energy Hose Co., Ltd.
 Tel: +86 534-5421821
 No. 7, Taishan Rd., Industrial Park, Ningjin County, Shandong, China



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#
B	REPLACED ONE END WITH ELBOW	05/09/2008	AC	00178
C	WAS 2950 NOW 2492, UPDATED NEXT ASSEMBLY, ADDED HD-7P TO TITLE	12/08/2008	AC	00174
C-001	UPDATED NEXT ASSEMBLY	02/24/2012	TM	00501
C-002	UPDATED NEXT ASSEMBLIES	11/23/2012	TM	00562
C-003	UPDATED NEXT ASSEMBLIES	05/24/2013	TM	00593
D	REPLACED 5570110 WITH 5570129	12/30/2014	MR	00675



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE	2860mm*	-
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

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

NAME	DATE
DRAWN GJZ	01/02/2008
CHECKED VB	02/06/2015



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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HD-7P HYD. HOSE ASSY
Ø6.4 x 2492mm

SIZE DWG. NO. REV
A 5570874 D

SCALE: 1:2

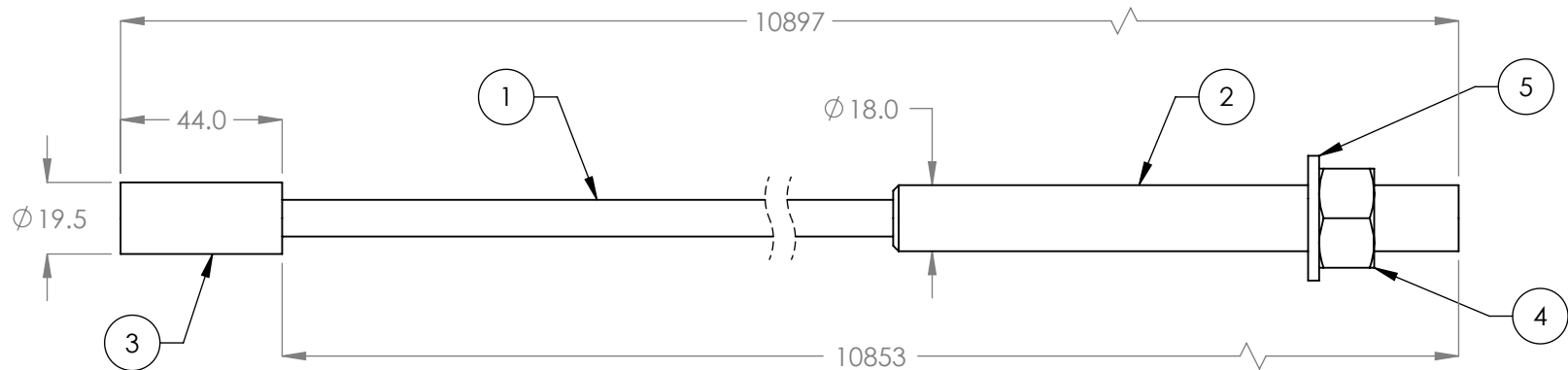
SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5250164
5250184

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
H	WAS 10877 NOW 10897	08/22/2013	TM	00541
H-001	UPDATED NEXT ASSEMBLY	01/28/2013	TM	00562
H-002	UPDATED NEXT ASSEMBLY	05/20/2013	TM	00593
J	UPDATED BOM REVISION	12/21/2017	TM	00909
K	ADDED 5535358 AND 5545342	07/10/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	10837mm*	-
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-7W

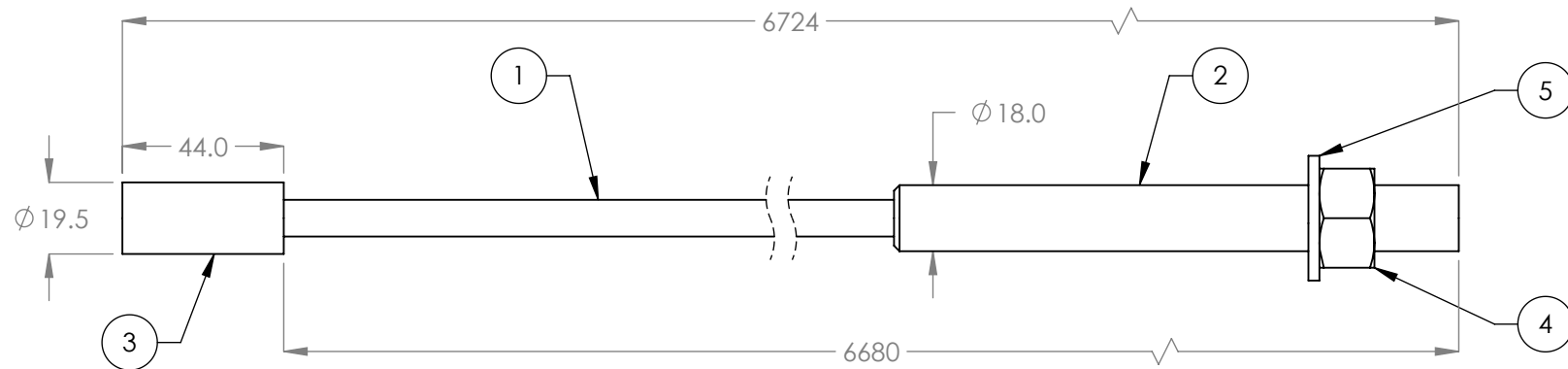
NOTE: UNLESS OTHERWISE SPECIFIED.

- 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
5250164

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DRAWN		GJZ	01/31/2008		
CHECKED					
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION		TITLE:	
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED				HD-7W CABLE ASSEMBLY Ø10 x 10897mm ST	
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		A 5595022		K	
		SCALE: 1:2		SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
C	5595011 WAS 6734mm NOW 6680mm, WAS 6734 mm NOW 6724 UPDATED TITLE TO REFLECT INVENTORY	04/09/2015	MR	00683
D	UPDATED BOM REVISION	12/21/2017	TM	00909
E	ADDED 5535358 AND 5545342	07/10/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	6630mm*	-
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	A
5	5545342	WASHER M18 FLAT	1	A

DO NOT SCALE DRAWING

NAME	DATE
DRAWN TM	02/24/2012
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



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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-7W CABLE ASSEMBLY
Ø10 x 6724mm ST

SIZE	DWG. NO.	REV
A	5595454	E

SCALE: 1:2

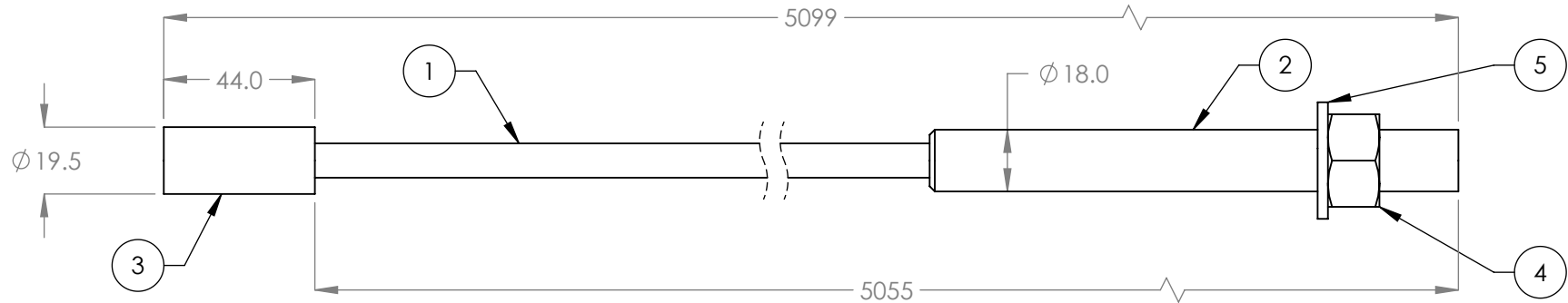
SHEET 1 OF 1

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
5250164

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
B	WAS 5080 NOW 5055, WAS 5028mm* NOW 5035mm*, UPDATED TITLE TO REFLECT INVENTORY	04/16/2015	MR	00683
C	UPDATED BOM REVISION	12/21/2017	TM	00909
D	ADDED 5535358 AND 5545342	07/10/2020	TM	01174



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	5035mm*	-
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	A
5	5545342	WASHER M18 FLAT	1	A

WHERE USED
HD-7W

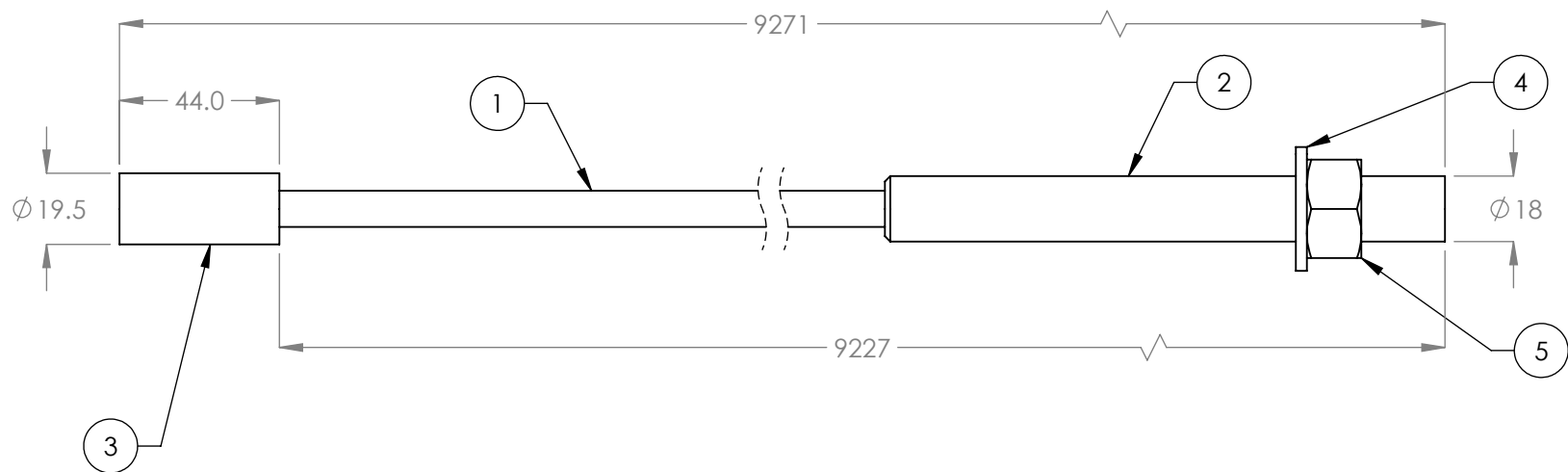
NOTE: UNLESS OTHERWISE SPECIFIED.

- 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
5250164

DO NOT SCALE DRAWING		NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060
		DRAWN	TM 11/23/2012	
		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-7W CABLE ASSEMBLY Ø10 x 5099mm ST
				SIZE DWG. NO. REV A 5595473 D
		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: 1:2 SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	WAS 9284 NOW 9227, WAS 9268mm* NOW 9177mm*, UPDATED TITLE TO REFLECT INVENTORY	04/07/2015	MR	00683
E	UPDATED BOM REVISION	12/21/2017	TM	00909
E-001	UPDATED NEXT ASSEMBLY	08/21/2018	TM	00972
F	ADDED 5535358 AND 5545342	07/10/2020	TM	01174



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	9177mm*	-
2	5746022	Ø10 THREADED CABLE CONNECTOR	1	D
3	5746021	Ø10 CABLE END CONNECTOR	1	E
4	5545342	WASHER M18 FLAT	1	-
5	5535358	NUT M18 x 2.5 NL	1	-

WHERE USED
HD-7W

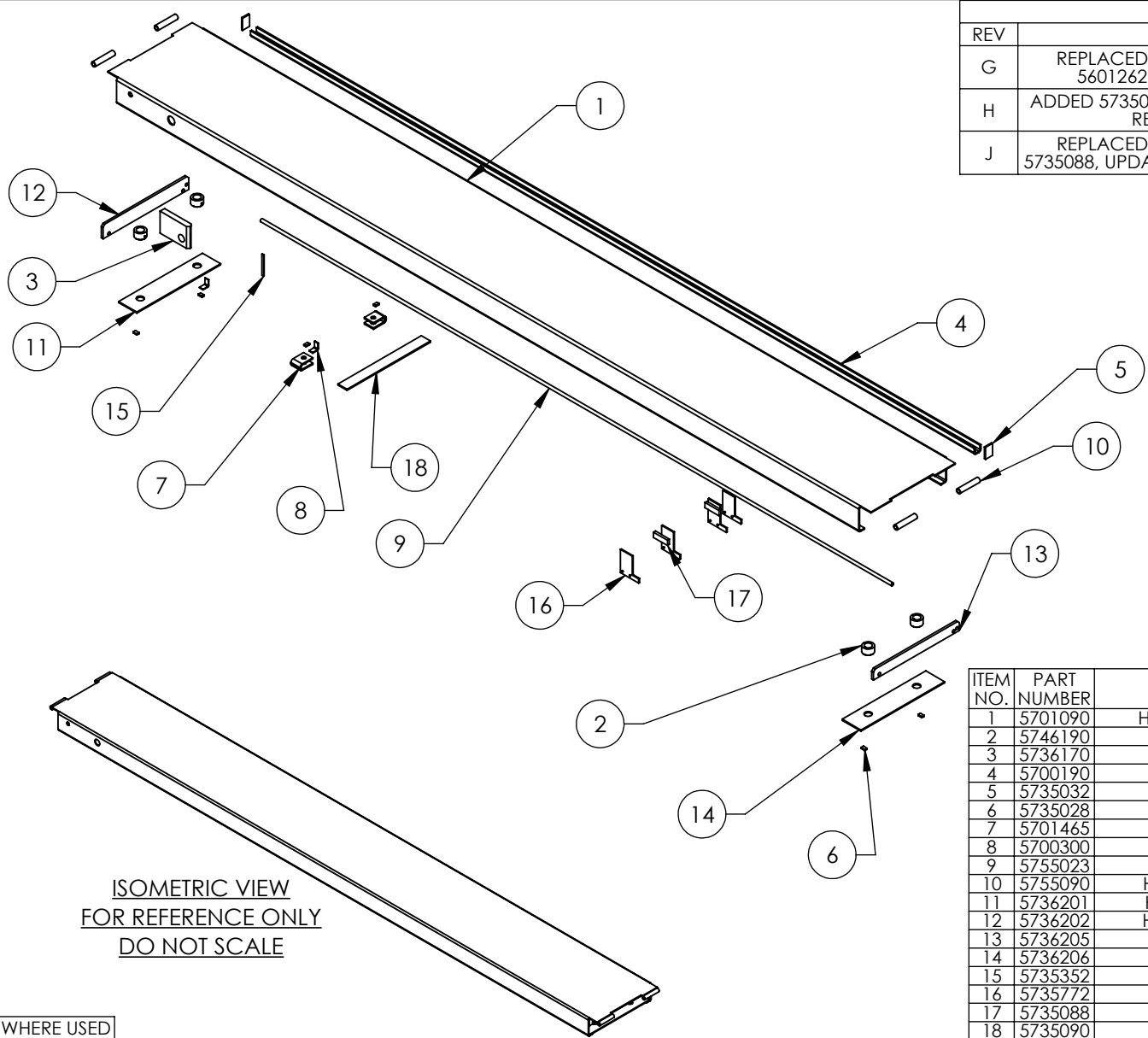
NOTE: UNLESS OTHERWISE SPECIFIED.

- 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
5250164

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
		DRAWN	AC			06/03/2008
		CHECKED	OR			08/28/2020
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION		TITLE:		
				HD-7W CABLE ASSEMBLY Ø10 x 9271mm		
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	5595917	F
		SCALE: 1:2		SHEET 1 OF 1		

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	REPLACED 5735772 AND 5735088 WITH 5601262, UPDATED BOM REVISION	05/31/2018	CA	00951
H	ADDED 5735090 AND GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	12/09/2019	TM	01120
J	REPLACED 5601262 WITH 5735772 AND 5735088, UPDATED WELDING FOR THESE PARTS	03/26/2021	TM	01290



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-7P
HD-7W

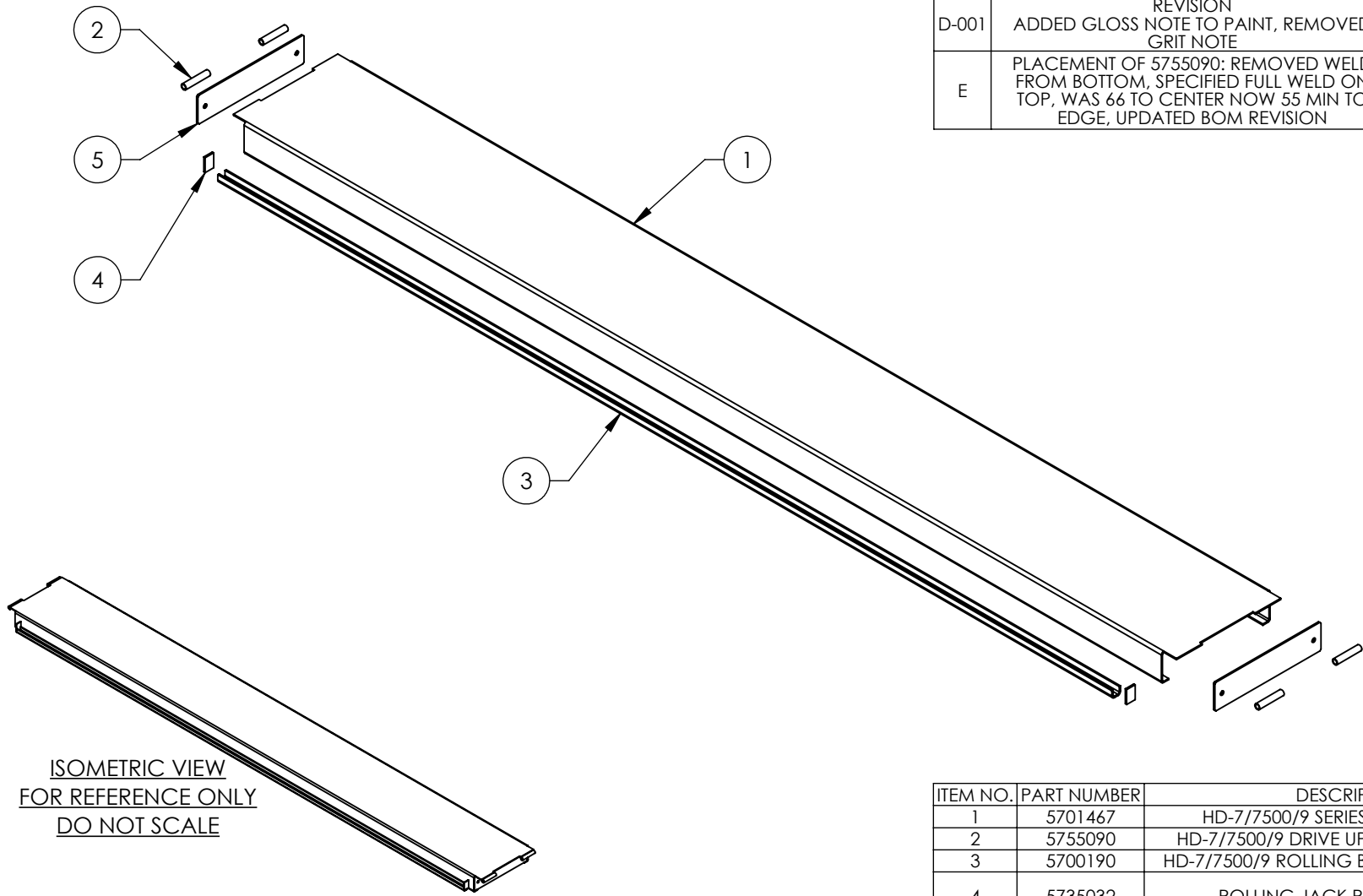
NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5701090	HD-7P/7500BL/9/9A/ 9ST/9SW POWER SIDE RAMP	1	F
2	5746190	HD-7/7500/9 SERIES RAMP SHEAVE BUSHING	4	C
3	5736170	HD-7-B SERIES CYLINDER CLEVIS	1	A
4	5700190	ROLLING BRIDGE BEAM	1	A
5	5735032	ROLLING JACK RAIL CLOSEOUT	2	C
6	5735028	PIN STOP	6	B
7	5701465	HD-7P SERIES DIRECTIONAL SHEAVE BRACKET	2	C
8	5700300	HYD. HOSE HOLDER	2	A
9	5755023	AIR LINE TROUGH Ø13.5 x Ø9.5 x 3454	1	B
10	5755090	HD-7/7500/9 SERIES DRIVE UP RAMP HINGE TUBE	4	C
11	5736201	HD-7/7500/9 SERIES 2-SHEAVE RAMP END PLATE	1	B
12	5736202	HD-7/7500/9 SERIES 2-SHEAVE RAMP BOLT PLATE	1	C
13	5736205	HD-7 SERIES 4-SHEAVE RAMP BOLT PLATE	1	B
14	5736206	HD-7 SERIES 4-SHEAVE RAMP SHEAVE PLATE	1	A
15	5735352	SINGLE CLEVIS CYLINDER ALIGNMENT PLATE	1	A
16	5735772	HD-7 CABLE PLUG ANCHOR PLATE	4	D
17	5735088	HD-7P SERIES ANCHOR PLATE SPACER	2	B
18	5735090	HD-7500/9 SERIES RAMP STRAP	1	C

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 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	TM	10/20/2008	TITLE: HD-7P/W POWER SIDE RAMP WELDMENT
		CHECKED	OR	03/31/2021	
		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		5600202	J
		SCALE: 1:25			SHEET 1 OF 4

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	ADDED ALUMINUM OXIDE NOTE, UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISION	07/19/2018	TM	00975
D-001	ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	02/04/2020	CA	01120
E	PLACEMENT OF 5755090: REMOVED WELD FROM BOTTOM, SPECIFIED FULL WELD ON TOP, WAS 66 TO CENTER NOW 55 MIN TO EDGE, UPDATED BOM REVISION	12/10/2021	TM	01367



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-7W
HD-7P

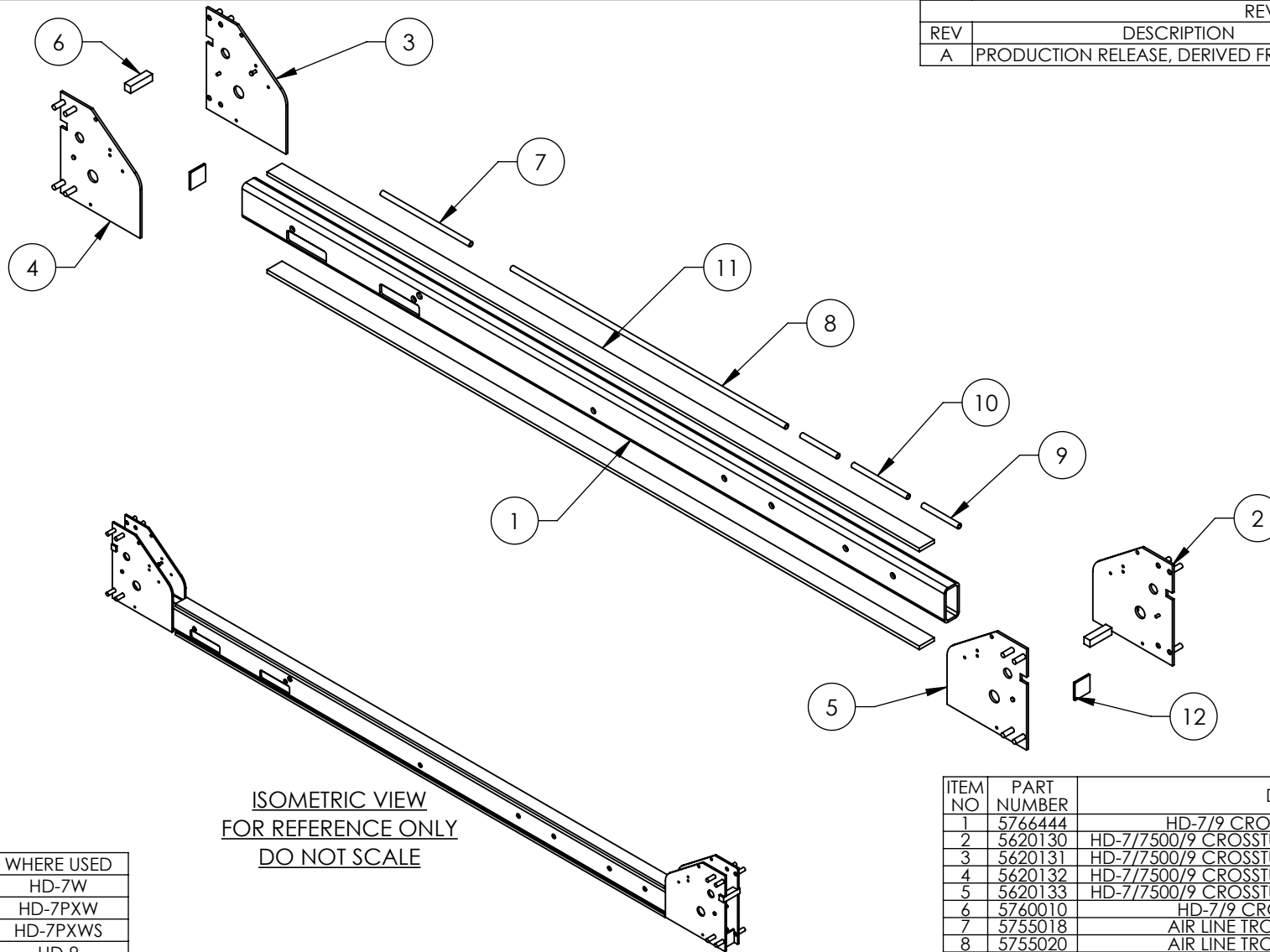
NOTE: UNLESS OTHERWISE SPECIFIED.

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	5701467	HD-7/7500/9 SERIES OFF SIDE RAMP	1	D
2	5755090	HD-7/7500/9 DRIVE UP RAMP HINGE TUBE	4	C
3	5700190	HD-7/7500/9 ROLLING BRIDGE BEAM, SHORT	1	A
4	5735032	ROLLING JACK RAIL CLOSEOUT	2	C
5	5736090	HD-7/7500/9 RAMP END PLATE	2	E

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DRAWN		AC	11/05/2008		
CHECKED		OR	12/16/2021		
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION		TITLE: HD-7W/P OFF SIDE RAMP WELDMENT	
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED				SIZE DWG. NO. A 5600215	
NEXT ASSEMBLY		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		REV E	
5245384				SCALE: 1:20	
5245388				SHEET 1 OF 3	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5600714	04/29/2022	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED

HD-7W
HD-7PXW
HD-7PXWS
HD-9
HD-9XW
HD-9XL
HD-973P
HD-973PX
PL-12000DP

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5766444	HD-7/9 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	5755020	AIR LINE TROUGH Ø13.5 x Ø9.5 x 918	1	C
9	5755022	AIR LINE TROUGH Ø13.5 x Ø9.5 x 121	2	B
10	5755021	AIR LINE TROUGH Ø13.5 x Ø9.5 x 184	1	B
11	5735460	HD-7/9 CROSSTUBE STRAP	2	A
12	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C

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

NAME DATE

DRAWN TM 04/29/2022

CHECKED OR 06/06/2022

THIRD ANGLE PROJECTION



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BendPak.
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-7/9/973P CROSSTUBE
WELDMENT, SMALL WINDOW

SIZE DWG. NO. REV

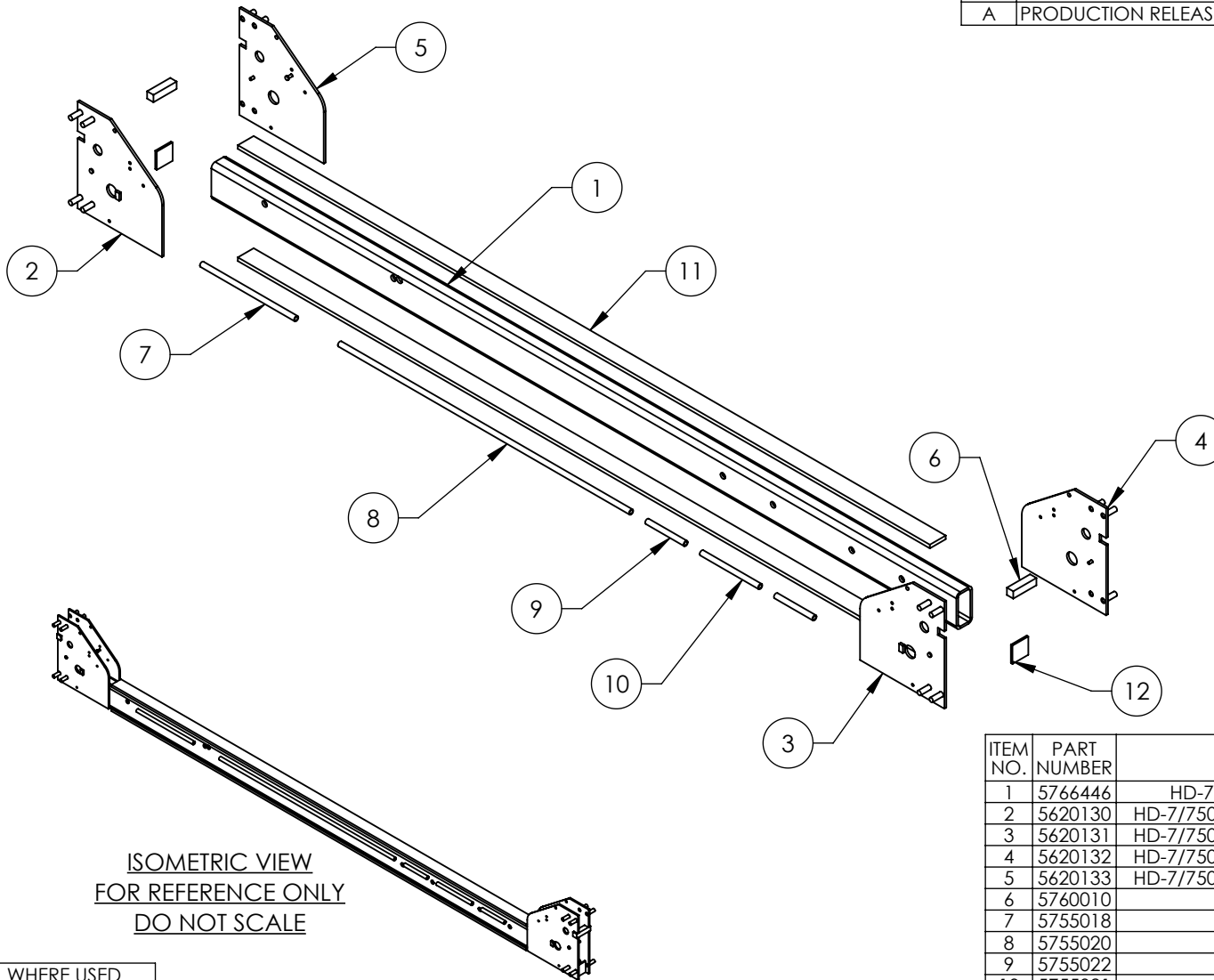
A 5601822 **A**

SCALE: 1:15

SHEET 1 OF 2

NEXT ASSEMBLY
5216155

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5600716	05/02/2023	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED

HD-7W
HD-7PWX
HD-973P
HD-973PX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5766446	HD-7W/7MZ/973 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	5755020	AIR LINE TROUGH Ø13.5 x Ø9.5 x 918	1	C
9	5755022	AIR LINE TROUGH Ø13.5 x Ø9.5 x 121	2	B
10	5755021	AIR LINE TROUGH Ø13.5 x Ø9.5 x 184	1	B
11	5735460	HD-7/9 CROSSTUBE STRAP	2	A
12	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C

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

NAME DATE
DRAWN TM 05/02/2022
CHECKED OR 06/06/2022

THIRD ANGLE PROJECTION



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THE WRITTEN PERMISSION OF BENDPAK INC. IS
PROHIBITED.

BendPak.

1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-7W/973P CROSSTUBE
WELDMENT, LARGE WINDOW

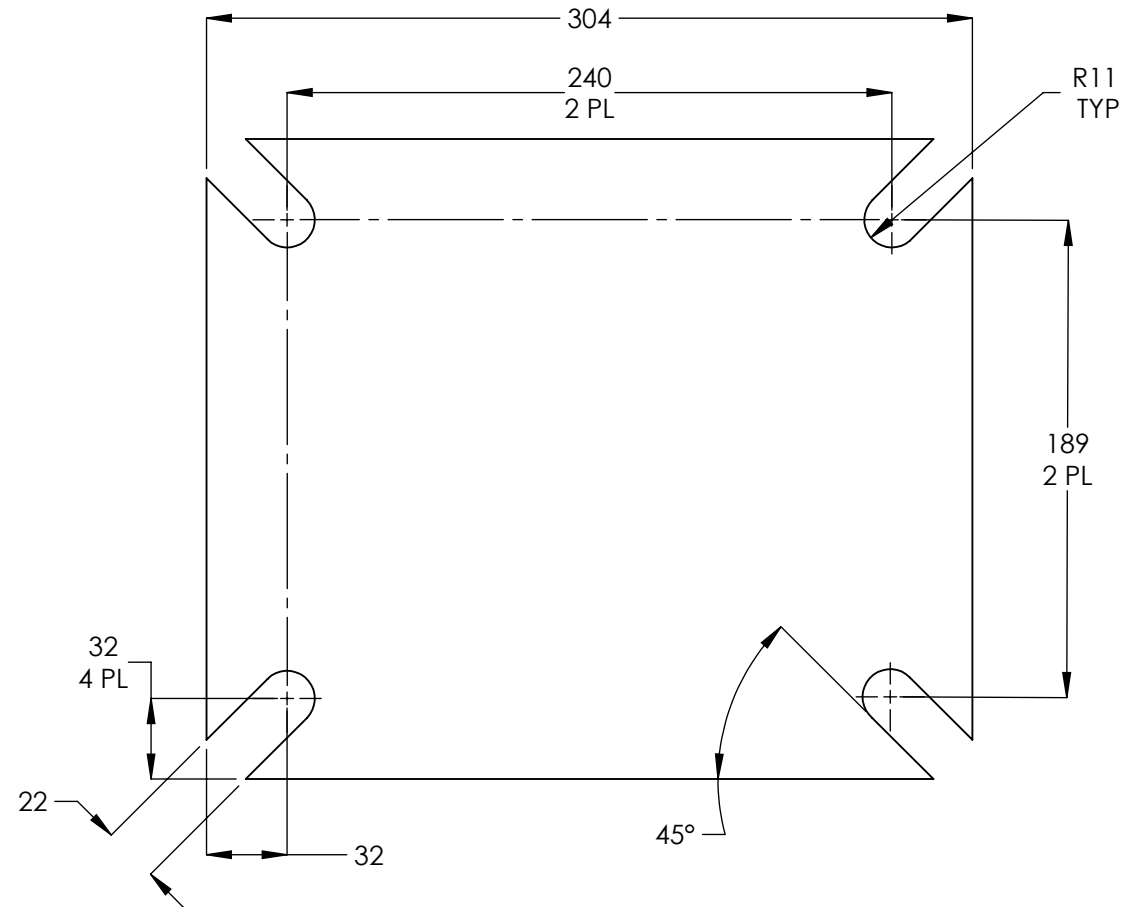
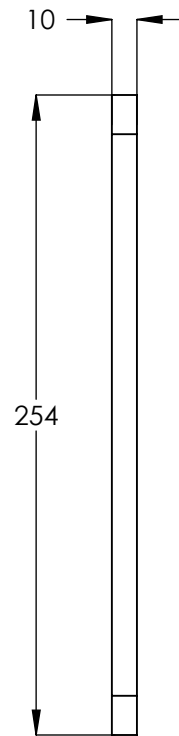
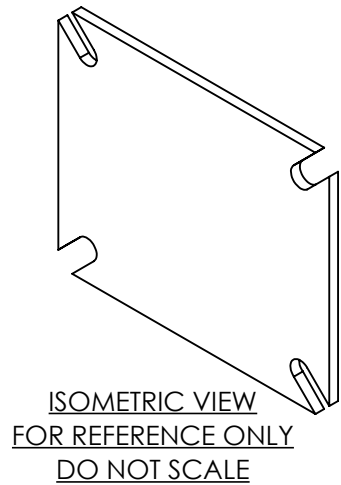
SIZE DWG. NO. REV
A 5601823 A

SCALE: 1:15

SHEET 1 OF 2

NEXT ASSEMBLY
5216157

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		REV
SIZE		DWG. NO.		REV
A		5731045		A
SCALE: 1:3		SHEET 1 OF 1		

PART SPECIFICATION FORM

BENDPAK Number:	5900041
MRP Description:	HD-7P/W INSTALLATION MANUAL
Date:	06/13/2019
ECO :	01084

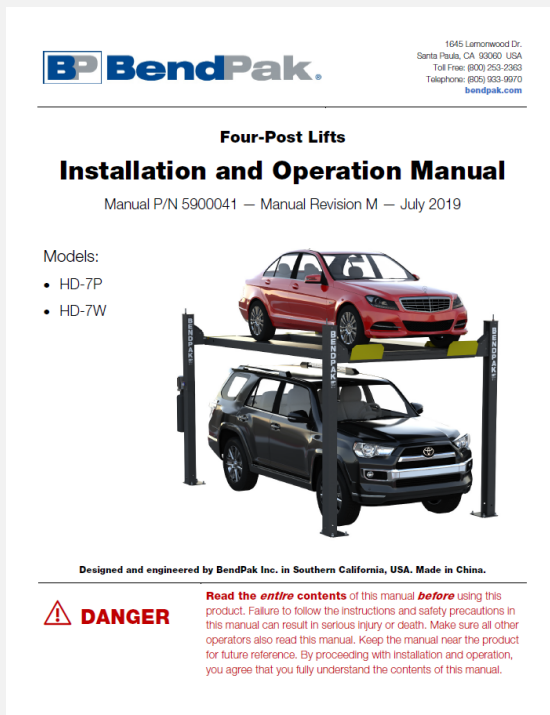
1. Engineering Specification

Application:

INSTALLATION MANUAL

Detailed Description:

Print Settings for BendPak Manuals



Unless otherwise specified, use these settings for printing BendPak manuals:

- **Color.** Black and white.
- **Size.** A4 (210 to 297 mm), 8.5 by 11 inches (216 to 279 mm), or between
- **Binding.** Saddle stitched
- **Paper.** 100 to 120 gsm (27 to 32 pound), uncoated

2. Vendor Information

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:

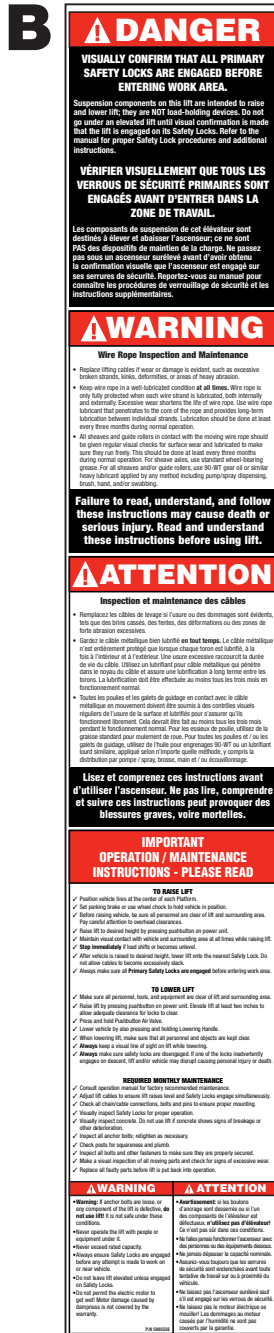
Size: 4.25"W x 38"H

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-laminate (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-laminate (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905103

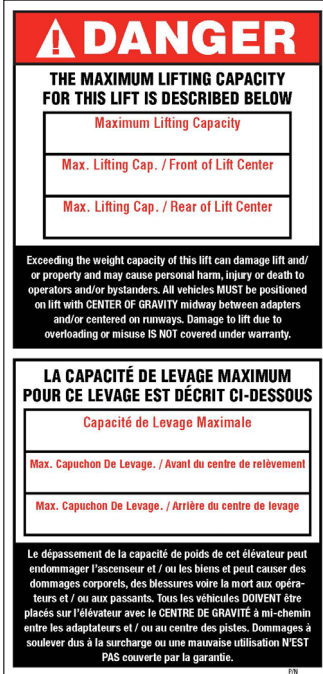
ALI_4_Post_labels.pdf:

(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.

***DEPENDS ON LIFT
MODEL AND CAPACITY**

***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

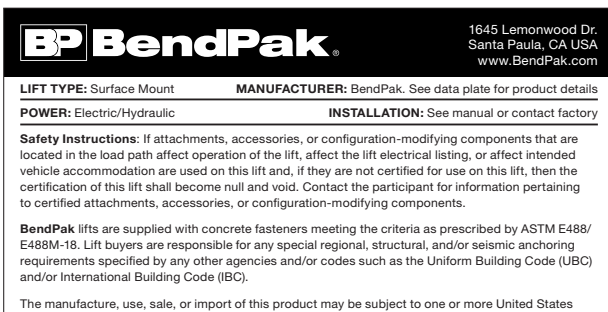
Finish: Matte Overlamine (No gloss)

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

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-lamine (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

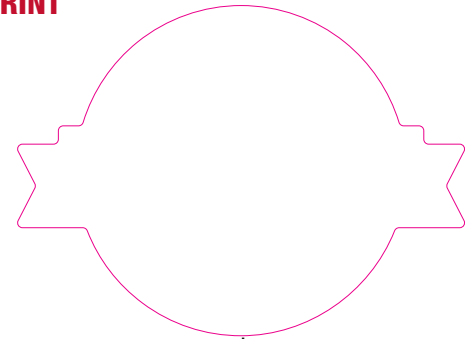
4 Post Lifts Product Decal Positioning

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)

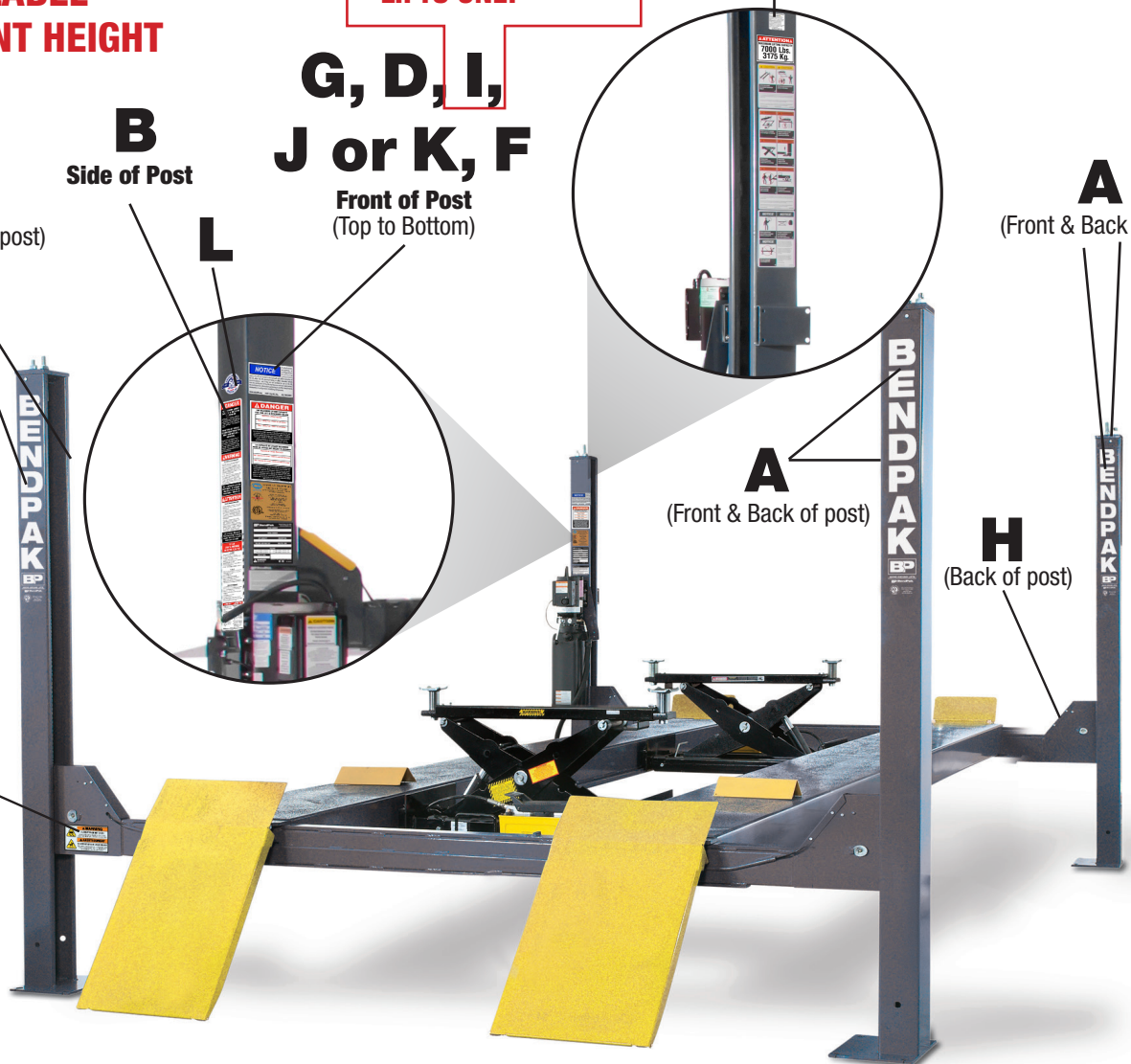
L

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

