

Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK

HD-9SW

PRODUCT SKU
5175023

DRAWING Nº
5260593

CATEGORY
Four Post Lift

REV
Version K

DATE
09.23.2022



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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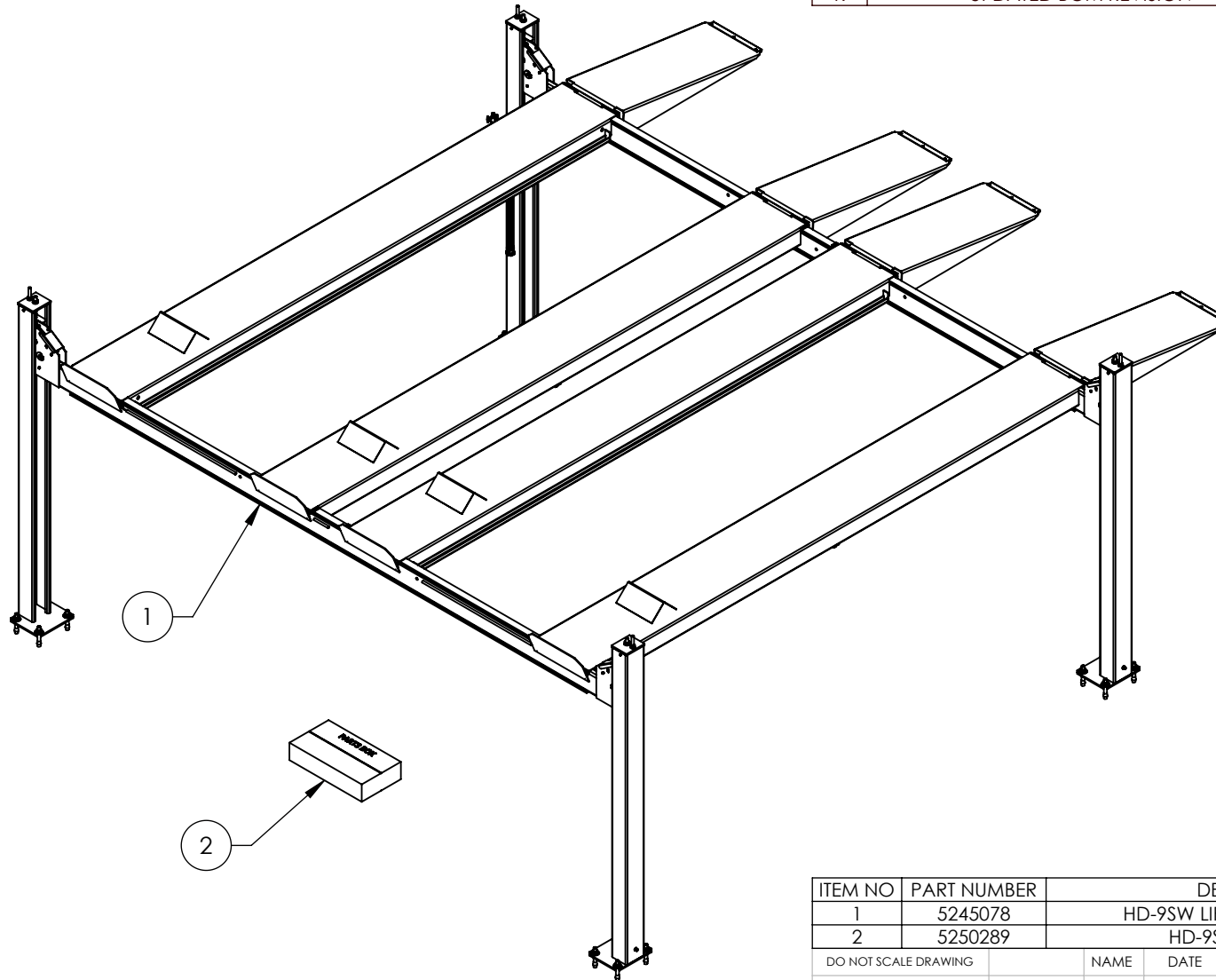
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Fax: 1-805-933-9160
bpkexports@bendpak.com

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
H	UPDATED BOM REVISION	12/13/2021	TM	01367
J	UPDATED BOM REVISIONS	05/24/2022	TM	01414
J-001	ADDED PACKAGE INFORMATION, PAGE 4	06/10/2022	TM	01420
K	UPDATED BOM REVISION	09/19/2022	CA	01444

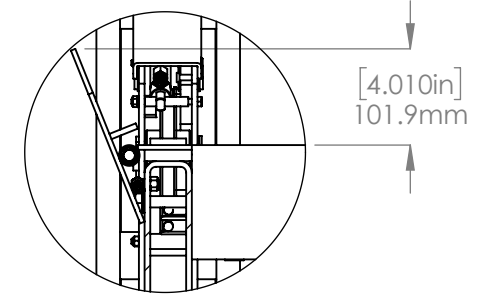
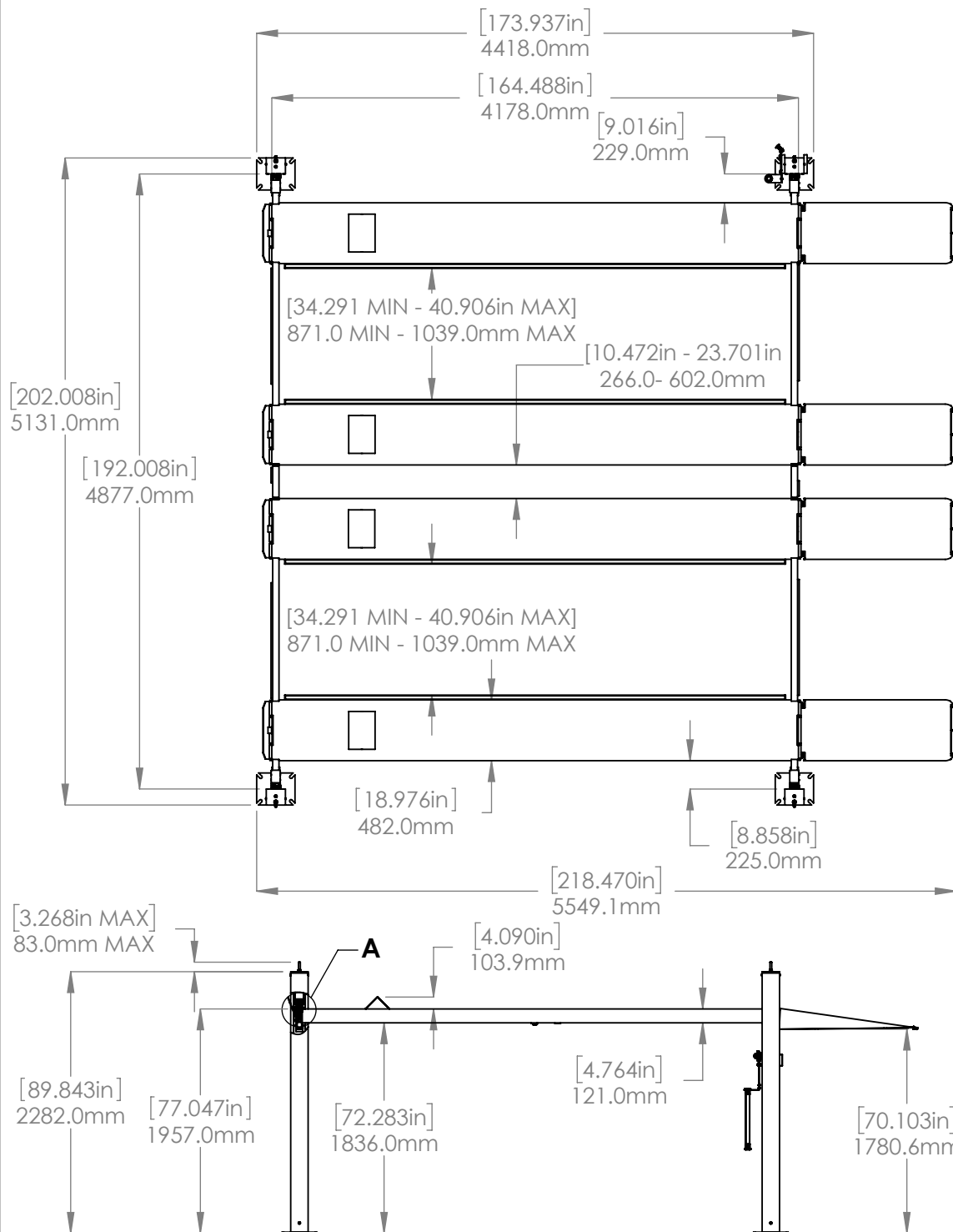


NOTE: UNLESS OTHERWISE SPECIFIED.

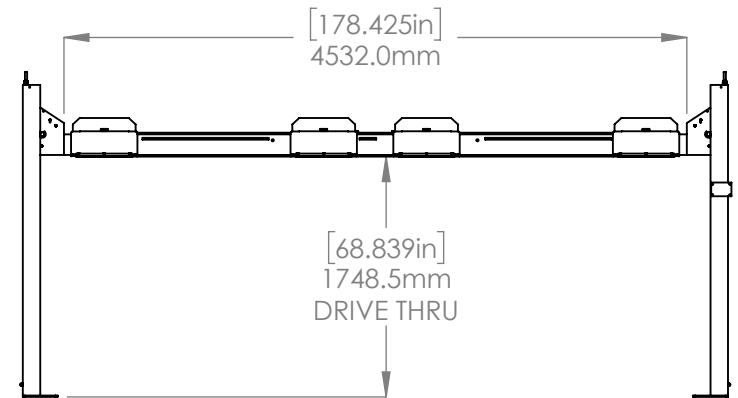
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5245078	HD-9SW LIFT SUPERSTRUCTURE	1	F
2	5250289	HD-9SW PARTS BOX	1	E

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		CA	11/15/2019	
CHECKED				
DIMENSIONS ARE IN MM		THIRD ANGLE PROJECTION		TITLE: HD-9SW PRODUCTION LIFT VER L (CE CERT)
 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 5260593		K
SCALE: 1:40				SHEET 1 OF 4

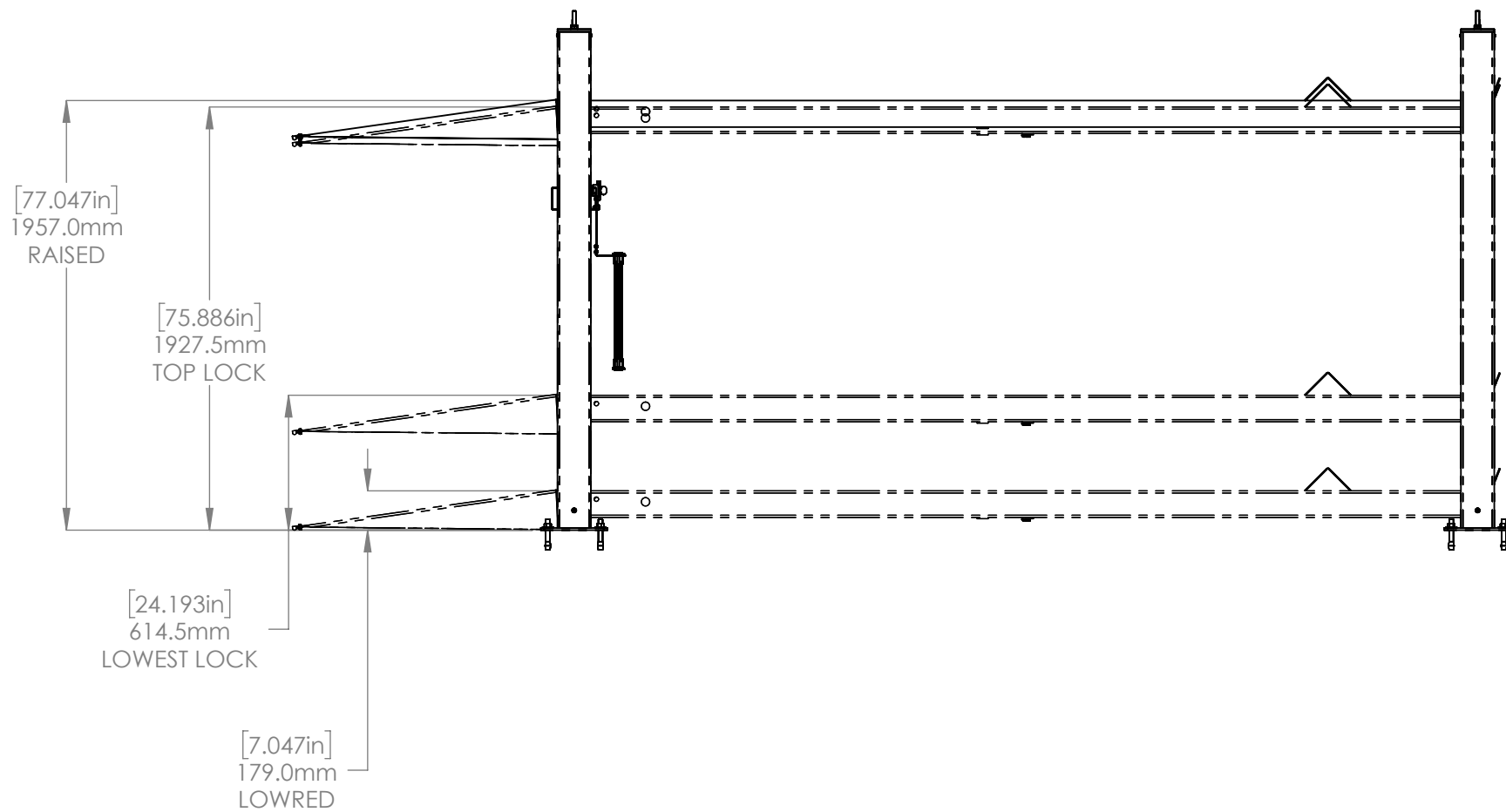


DETAIL A
SCALE 1 : 8



FRONT VIEW

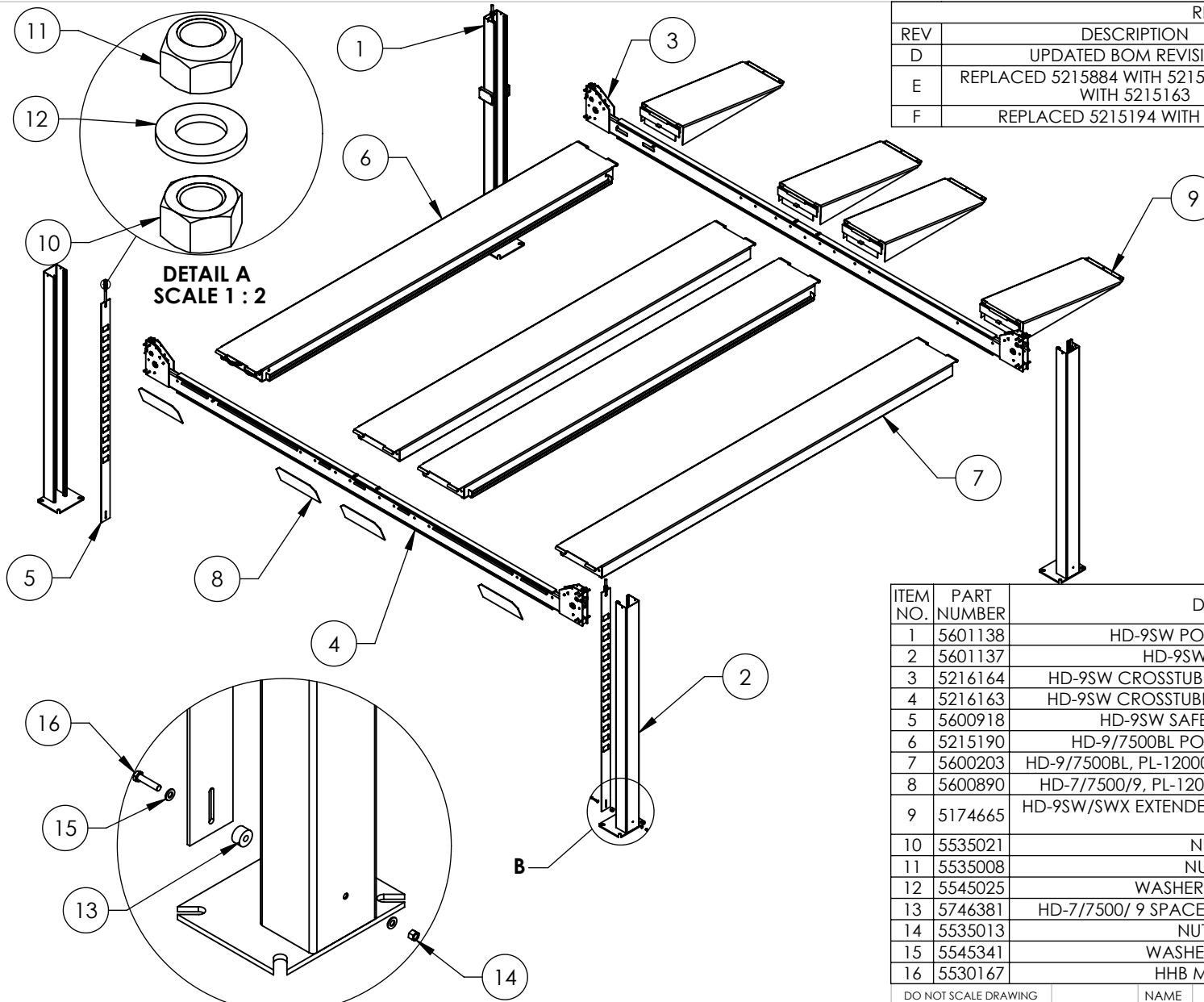
BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-9SW PRODUCTION LIFT VER L (CE CERT)		
SIZE	DWG. NO.	REV
A	5260593	K
SCALE: 1:55		SHEET 2 OF 4



1. ALL DIMENSIONS SHOWN ARE WITH LOCK LADDER ADJUSTED ALL THE WAY UP

BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-9SW PRODUCTION LIFT VER L (CE CERT)		
SIZE	DWG. NO.	REV
A	5260593	K
SCALE: 1:30		SHEET 3 OF 4

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	UPDATED BOM REVISIONS	12/10/2021	TM	01367
E	REPLACED 5215884 WITH 5215164, 5215883 WITH 5215163	05/23/2022	TM	01414
F	REPLACED 5215194 WITH 5174665	09/15/2022	CA	01444



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5601138	HD-9SW POWER POST WELDMENT	1	A
2	5601137	HD-9SW POST WELDMENT	3	A
3	5216164	HD-9SW CROSSTUBE ASSEMBLY, SMALL WINDOW	1	A
4	5216163	HD-9SW CROSSTUBE ASSEMBLY, LARGE WINDOW	1	A
5	5600918	HD-9SW SAFETY LADDER WELDMENT	4	B
6	5215190	HD-9/7500BL POWER SIDE RAMP ASSEMBLY	1	AC
7	5600203	HD-9/7500BL, PL-12000DPS OFF SIDE RAMP WELDMENT	3	H
8	5600890	HD-7/7500/9, PL-12000 TIRE STOP PLATE WELDMENT	4	F
9	5174665	HD-9SW/SWX EXTENDED ALUMINUM APPROACH RAMP ASSEMBLY	4	D
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-9SW

DETAIL B
SCALE 1 : 10

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. THREAD M16 HARDWARE ONTO LADDER BOLTS AS SHOWN

NEXT ASSEMBLY
5260593

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DIMENSIONS ARE IN MM



NAME	DATE
DRAWN CA	11/15/2019
CHECKED OR	09/21/2022

THIRD ANGLE PROJECTION

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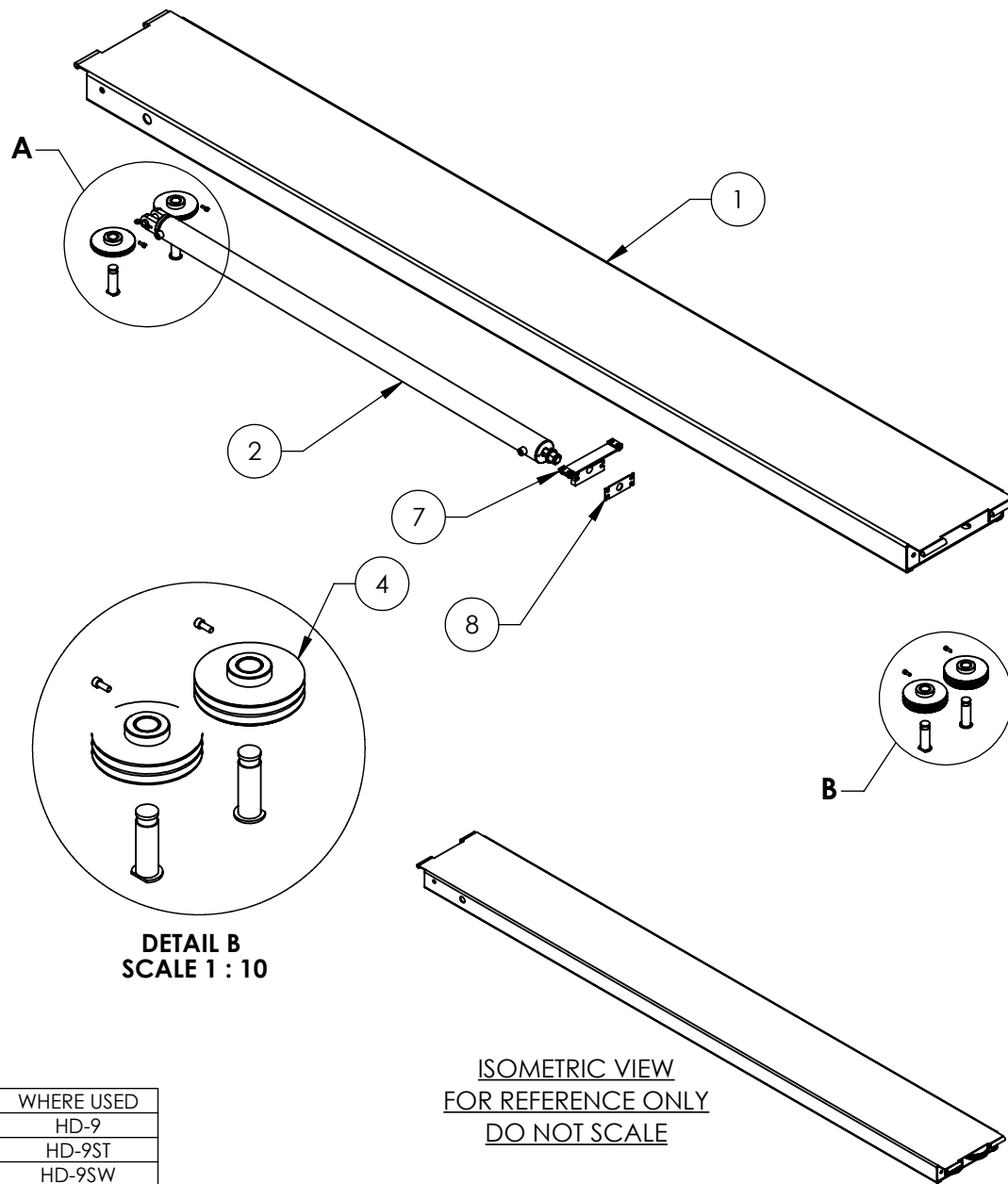
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HD-9SW LIFT
SUPERSTRUCTURE

SIZE DWG. NO.	REV
A 5245078	F

SCALE: 1:50

SHEET 1 OF 1



**DETAIL B
SCALE 1 : 10**

**DETAIL A
SCALE 1 : 10**

WHERE USED

HD-9
HD-9ST
HD-9SW
HD-9SW-E
HD-7500BL

ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY

5245078
5245080
5245383
5245395
5245396

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
Z	REPLACED 5215129 WITH 5215820, UPDATED BOM REVISION AND NEXT ASSEMBLIES	10/11/2019	TS	01120
AA	UPDATED BOM REVISION	07/07/2020	TM	01174
AB	UPDATED BOM REVISION	07/13/2021	TM	01316
AC	UPDATED BOM REVISION	12/10/2021	TM	01367

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600200	HD-9/7500BL POWER SIDE RAMP WELDMENT	1	G
2	5502165	CYLINDER ASSEMBLY Ø3.0 x 70	1	N
3	5215122	HD-7/7500/9 SINGLE SHEAVE ROLLER ASSEMBLY	2	E
4	5215123	HD-7500BL/9 TWIN SHEAVE ASSEMBLY	2	E
5	5600900	HD-7/7500/9 RAMP SHEAVE SHAFT WELDMENT	4	E
6	5530776	SHCS M8 x 1.25 x 20mm	4	-
7	5215820	HD-7500/9 CYLINDER FLANGE ARM ASSEMBLY	1	B
8	5731309	CABLE RETAINER PLATE	1	A

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME
DATE
DRAWN
AC 11/13/2008
CHECKED

THIRD ANGLE PROJECTION

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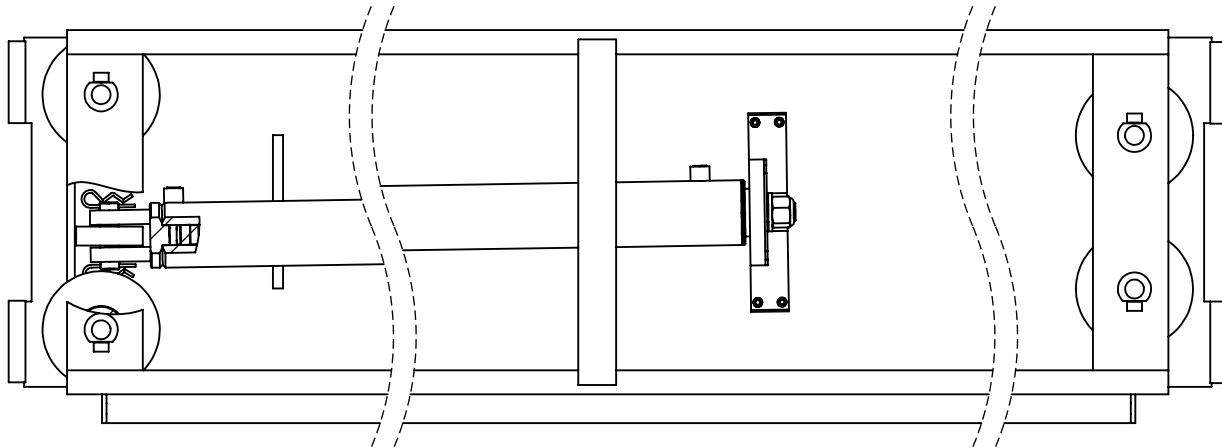
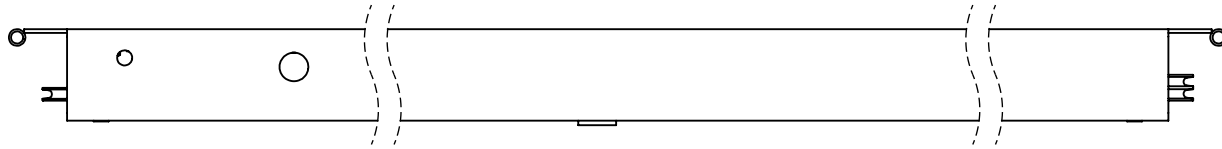
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-9/7500BL POWER SIDE RAMP ASSEMBLY

SIZE DWG. NO. REV
A 5215190 AC

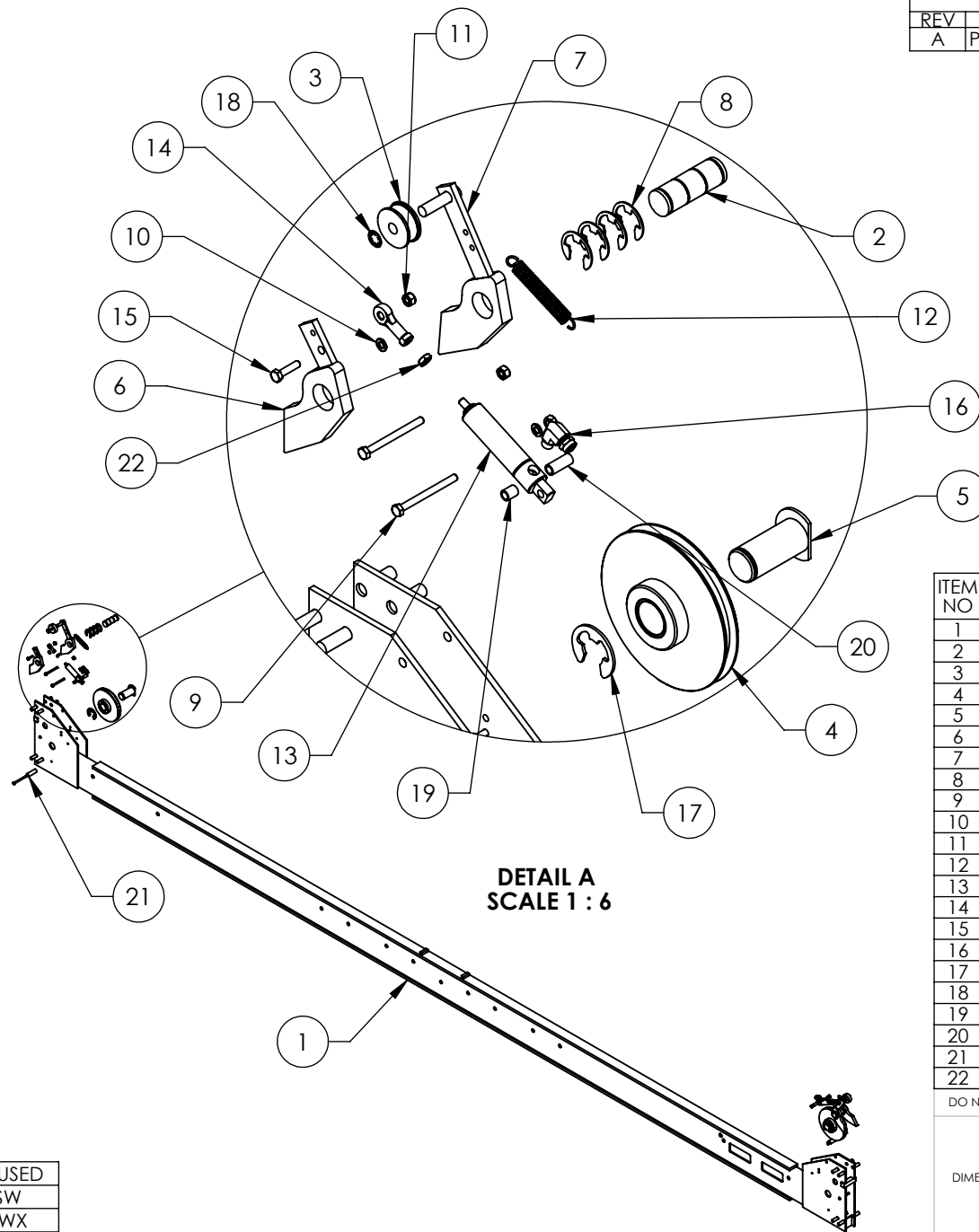
SCALE: 1:25

SHEET 1 OF 2



		
1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HD-9/7500BL POWER SIDE RAMP ASSEMBLY		
SIZE	DWG. NO.	REV
A	5215190	AC
SCALE: 1:10		SHEET 2 OF 2

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215883	05/02/2022	TM	01414



**DETAIL A
SCALE 1 : 6**

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601827	HD-9SW 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

NAME DATE
DRAWN TM 05/02/2022
CHECKED

DIMENSIONS ARE IN MM



THIRD ANGLE PROJECTION

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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HD-9SW CROSSTUBE
ASSEMBLY, LARGE WINDOW

SIZE DWG. NO. REV
A 5216163 A

SCALE: 1:30

SHEET 1 OF 1

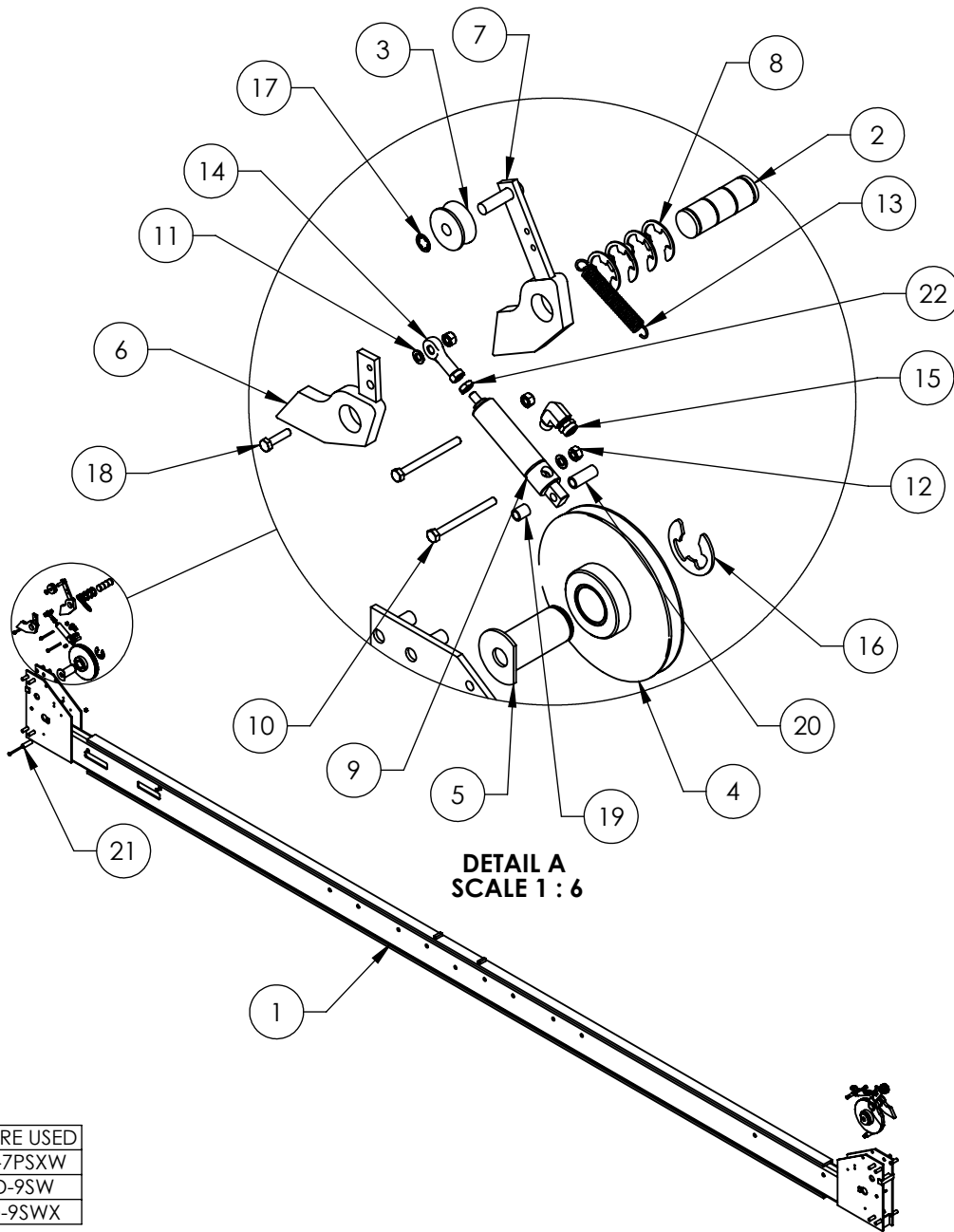
WHERE USED
HD-9SW
HD-9SWX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245078
5245079

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215884	05/02/2022	TM	01414



WHERE USED
HD-7PSXW
HD-9SW
HD-9SWX

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245076
5245078
5245079

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601828	HD-9SW 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	05/02/2022
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DIMENSIONS ARE IN MM



THIRD ANGLE PROJECTION

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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

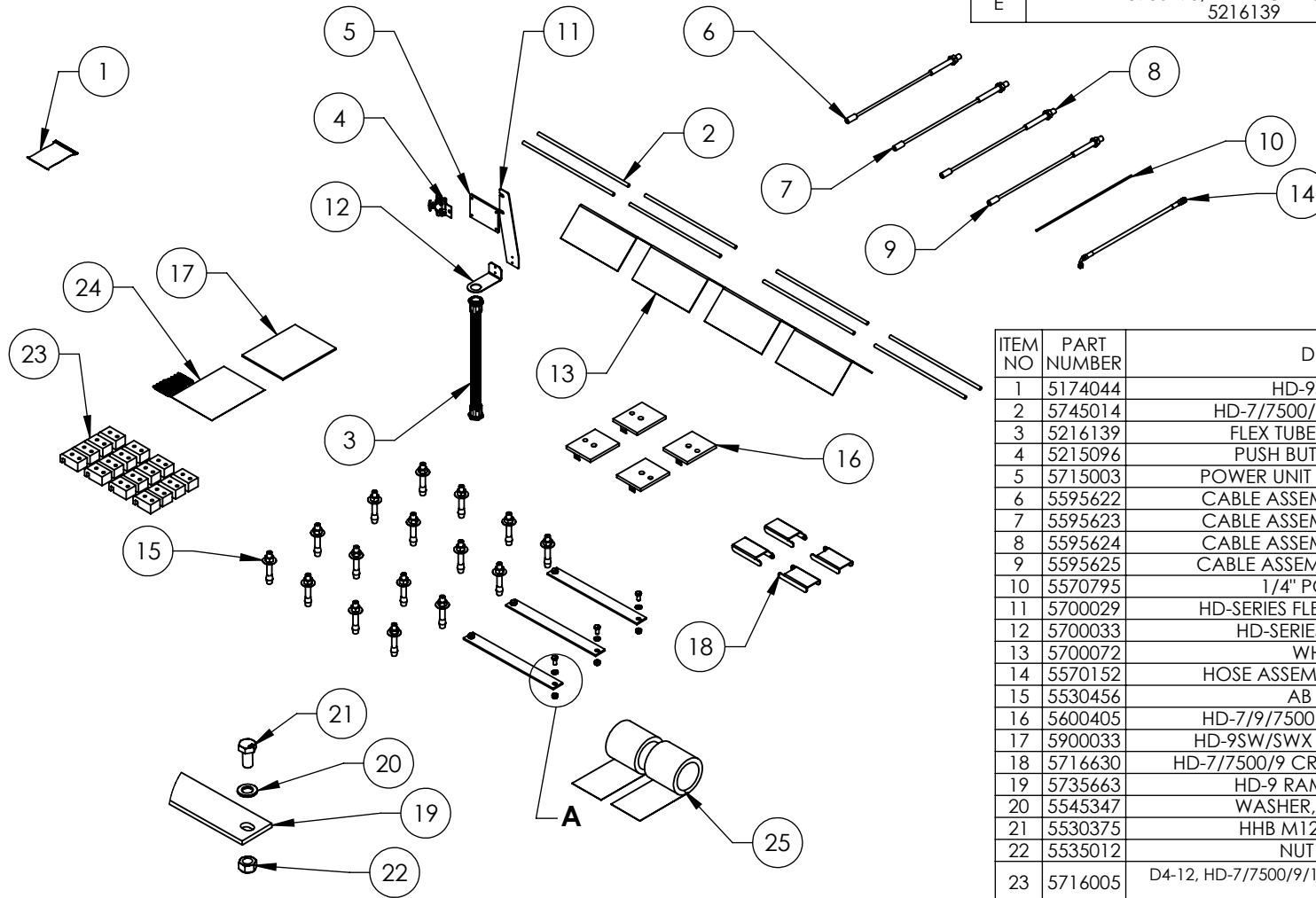
TITLE:
**HD-9SW CROSSTUBE
ASSEMBLY, SMALL WINDOW**

SIZE DWG. NO. REV
A 5216164 A

SCALE: 1:30

SHEET 1 OF 1

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



DETAIL A
SCALE 1 : 8

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5174044	HD-9SW PARTS BAG	1	B
2	5745014	HD-7/7500/9 DRIVE UP RAMP PIN	8	B
3	5216139	FLEX TUBE KIT, UP TO 2000mm	1	A
4	5215096	PUSH BUTTON AIR ASSEMBLY	1	G
5	5715003	POWER UNIT VIBRATION DAMPENER	1	B
6	5595622	CABLE ASSEMBLY Ø10 x 2983mm ST	1	B
7	5595623	CABLE ASSEMBLY Ø10 x 6903mm ST	1	B
8	5595624	CABLE ASSEMBLY Ø10 x 7123mm ST	1	B
9	5595625	CABLE ASSEMBLY Ø10 x 11043mm ST	1	B
10	5570795	1/4" POLY-FLO TUBING	21000mm*	-
11	5700029	HD-SERIES FLEX TUBE BRACKET PLATE	1	F
12	5700033	HD-SERIES FLEX TUBE ANGLE	1	E
13	5700072	WHEEL CHOCK	4	B
14	5570152	HOSE ASSEMBLY Ø6.4 x 3565mm SB	1	B
15	5530456	AB 3/4" x 4 - 3/4"	16	-
16	5600405	HD-7/9/7500 TOP PLATE WELDMENT	4	C
17	5900033	HD-9SW/SWX INSTALLATION MANUAL	1	-
18	5716630	HD-7/7500/9 CROSSTUBE COVER, PLASTIC	4	A
19	5735663	HD-9 RAMP STRAP, BOLT ON	3	B
20	5545347	WASHER, M12 FLAT WASHER	6	-
21	5530375	HHB M12 x 1.75 x 25 CL12.9	6	-
22	5535012	NUT M12 x 1.75 NL	6	-
23	5716005	D4-12, HD-7/7500/9/14/HDSO-14 POLYETHYLENE SLIDE BLOCK	16	M
24	5210241	4 POST LIGHT DUTY CE PARTS BAG	1	A
25	5930195	ANTI-SLIP TAPE, 6" x 24ft	2	--

WHERE USED
HD-9SW

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
5260593

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DIMENSIONS ARE IN MM



NAME	DATE
DRAWN CA	11/15/2019
CHECKED OR	05/09/2022

THIRD ANGLE PROJECTION



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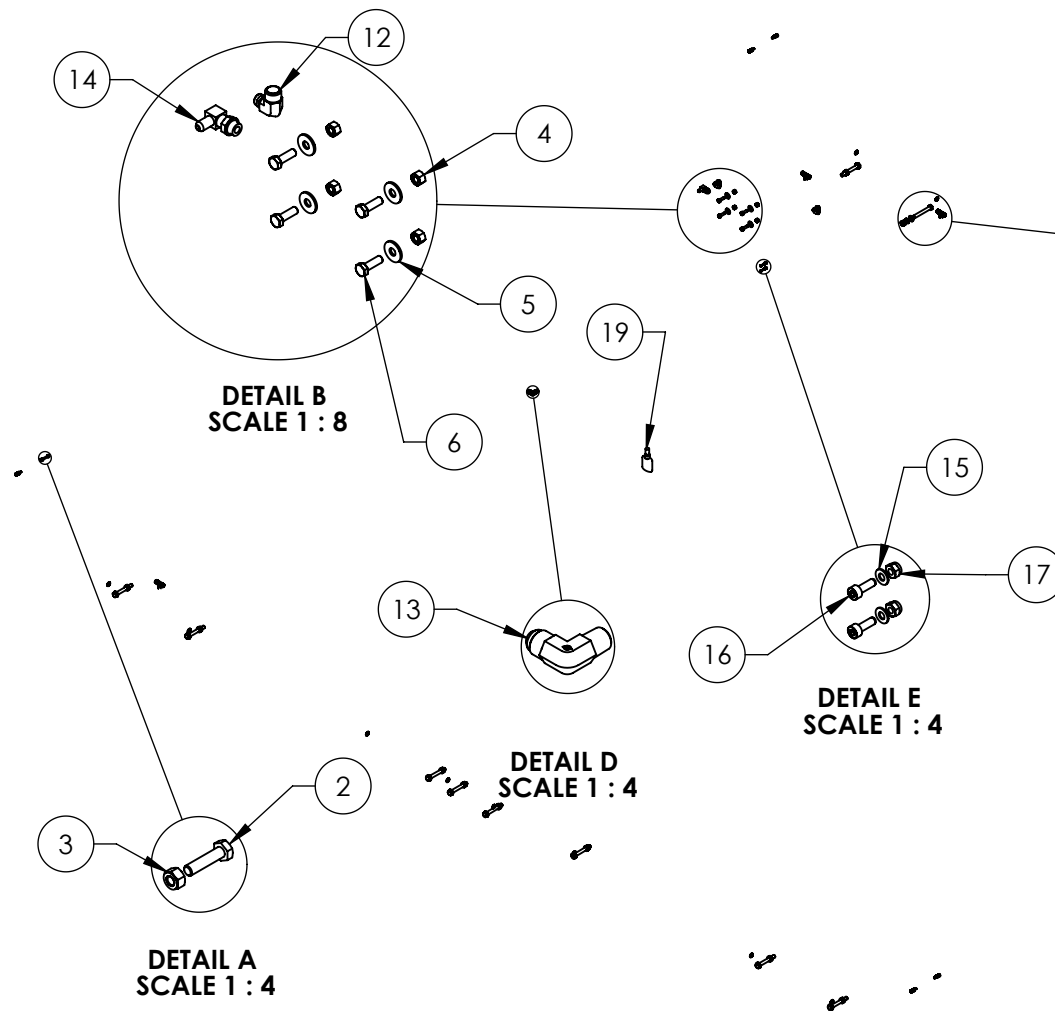
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-9SW PARTS BOX

SIZE DWG. NO. REV
A 5250289 E

SCALE: 1:25 SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5174091	11/13/2019	CA	01120
B	REMOVED 5550025	07/13/2021	TM	01316



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5505031	ROTOR CLIP Ø12mm SS	16	-
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 25mm ZPL	4	-
7	5530009	HHB M12 x 1.75 x 90 CL8.8	16	-
8	5545201	WASHER, M12 SPRING LOCK	16	-
9	5545347	WASHER, M12 FLAT WASHER	16	-
10	5535354	NUT, M12 x1.75	16	-
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, M4 x 9mm FLAT	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	-

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

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5250289
5250290
5250291
5250349

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN CA	11/13/2019
CHECKED OR	07/26/2021

THIRD ANGLE PROJECTION



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NAME	DATE
DRAWN CA	11/13/2019
CHECKED OR	07/26/2021

THIRD ANGLE PROJECTION



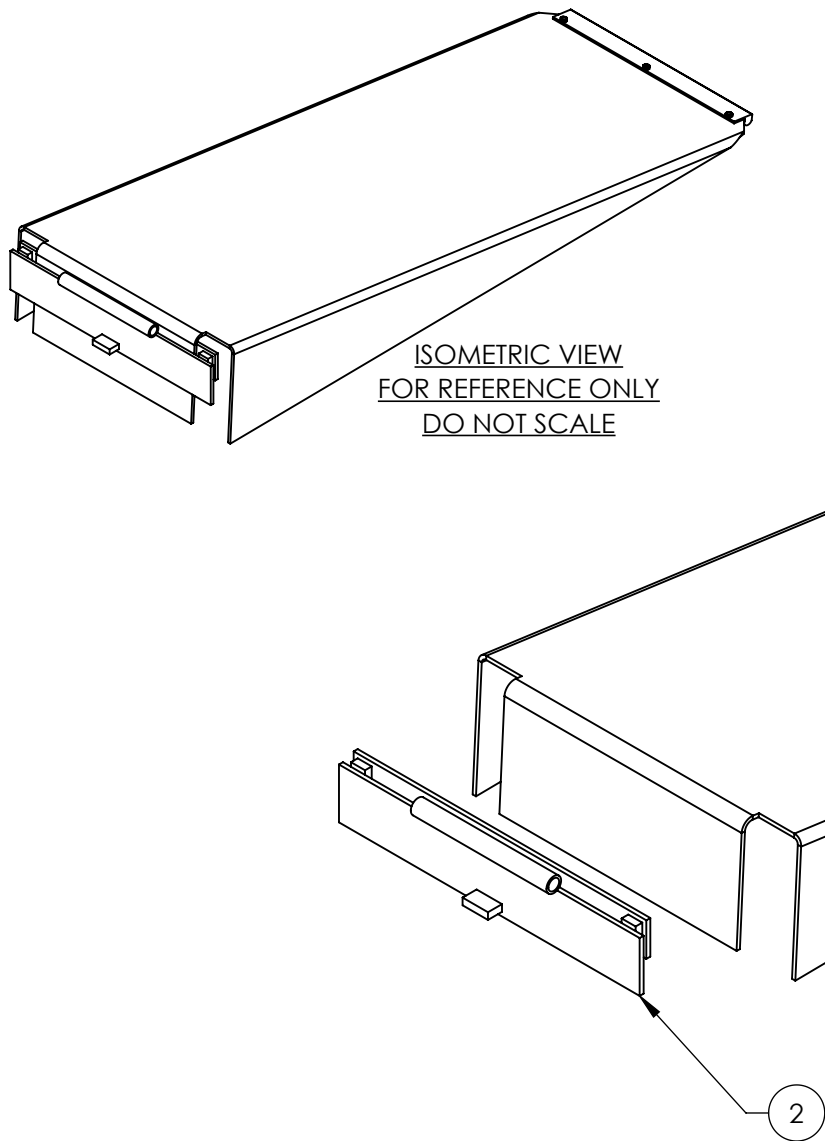
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TITLE:

HD-9SW PARTS BAG

SIZE	DWG. NO.	REV
A	5174044	B

SCALE: 1:30 SHEET 1 OF 1



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
B	REPLACED 5600246 WITH 5600722	12/21/2012	TM	00573
C	UPDATED BOM REVISION	02/06/2015	TM	00685
D	ADDED 5716054, 5530093, 5545005, AND 5535357, UPDATED BOM REVISION, TITLE, AND NEXT ASSEMBLIES	09/15/2022	CA	01444

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

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY ACCESSORY
5174670
5245078
5245079
5245080
5245254

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600703	HD-9SW/SWX EXTENDED ALUMINUM APPROACH RAMP WELDMENT	1	C
2	5600722	HD-9 DRIVE UP TIE PLATE WELDMENT	1	A
3	5716054	APPROACH RAMP EDGE GUARD	1	A
4	5530093	HHB M6 x 1.0 x 20mm	3	-
5	5545005	WASHER, M6 x 12mm FLAT	3	-
6	5535357	NUT M6 x 1.0, NL CL8	3	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	09/04/2012
CHECKED OR	09/21/2022

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

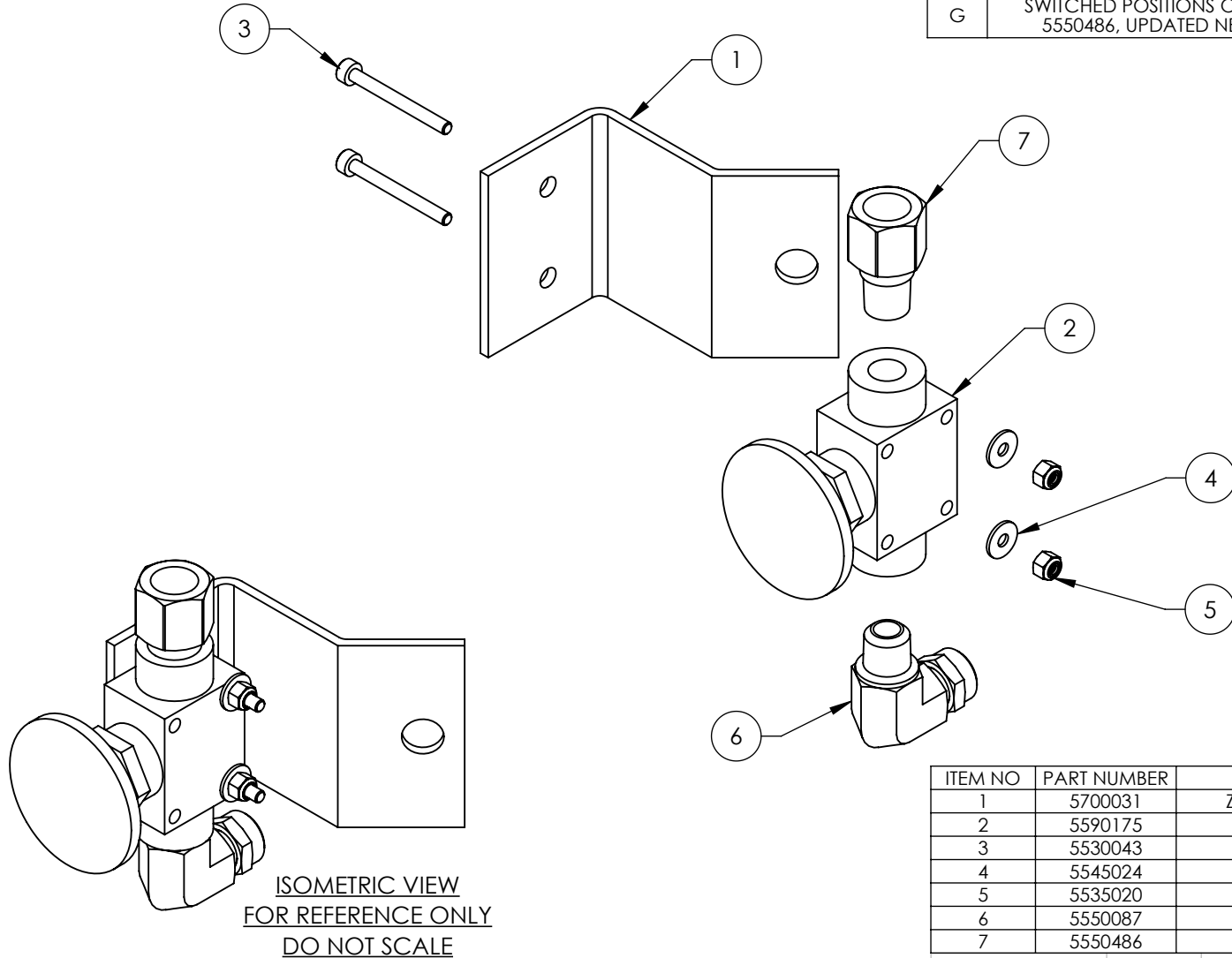
TITLE: HD-9SW/SWX EXTENDED ALUMINUM APPROACH RAMP ASSEMBLY

SIZE DWG. NO. REV
A 5174665 D

SCALE: 1:8

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

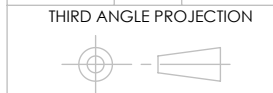


ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5700031	ZERO ANGLE MOUNTING BRACKET	1	C
2	5590175	PUSH BUTTON AIR VALVE	1	-
3	5530043	SHCS M3 x 0.5 x 30	2	-
4	5545024	WASHER, M3 x 9mm FLAT	2	-
5	5535020	NUT M3 x 0.5, NL CL8	2	-
6	5550087	FTG ELB -04 COMP x -02 NPT	1	-
7	5550486	FTG NPL -02 NPT x -04 F NPT	1	-

DO NOT SCALE DRAWING

NAME	DATE
DRAWN AC	03/14/2008
CHECKED CA	09/02/2015

DIMENSIONS ARE IN MM



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SANTA PAULA, CA 93060

TITLE: PUSH BUTTON AIR ASSEMBLY

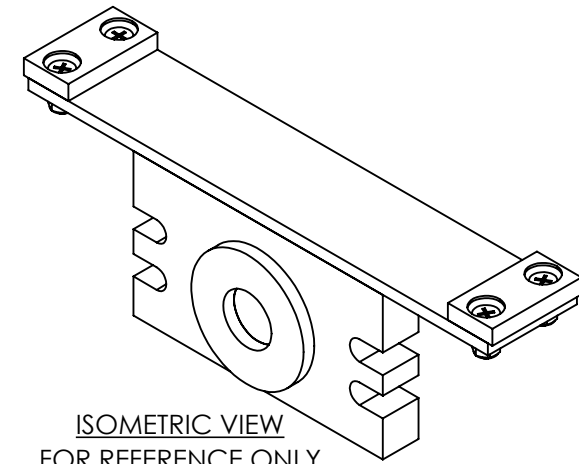
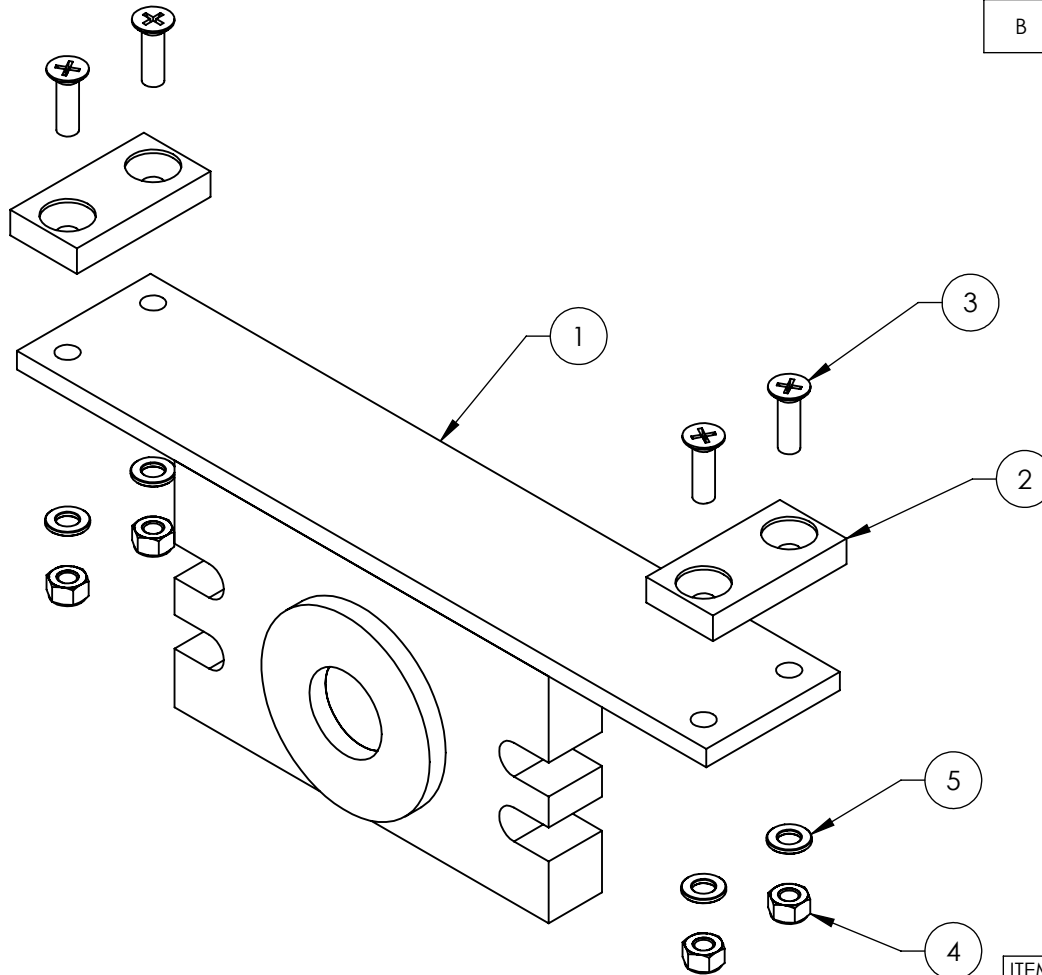
SIZE DWG. NO. 5215096 REV G

SCALE: 2:3 SHEET 1 OF 1

NOTE: UNLESS OTHERWISE SPECIFIED.
1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
2. ASSEMBLE ITEMS AS SHOWN

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

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 SERIES

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

THIRD ANGLE PROJECTION



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

TITLE: HD-7500/9 CYLINDER FLANGE ARM ASSEMBLY

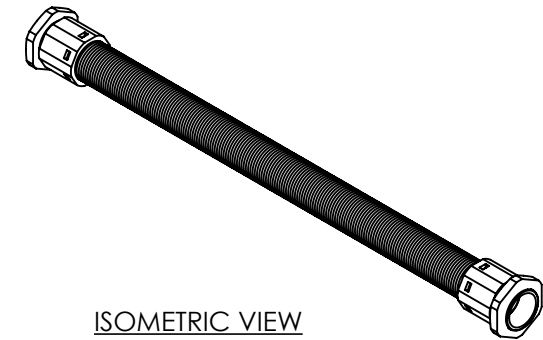
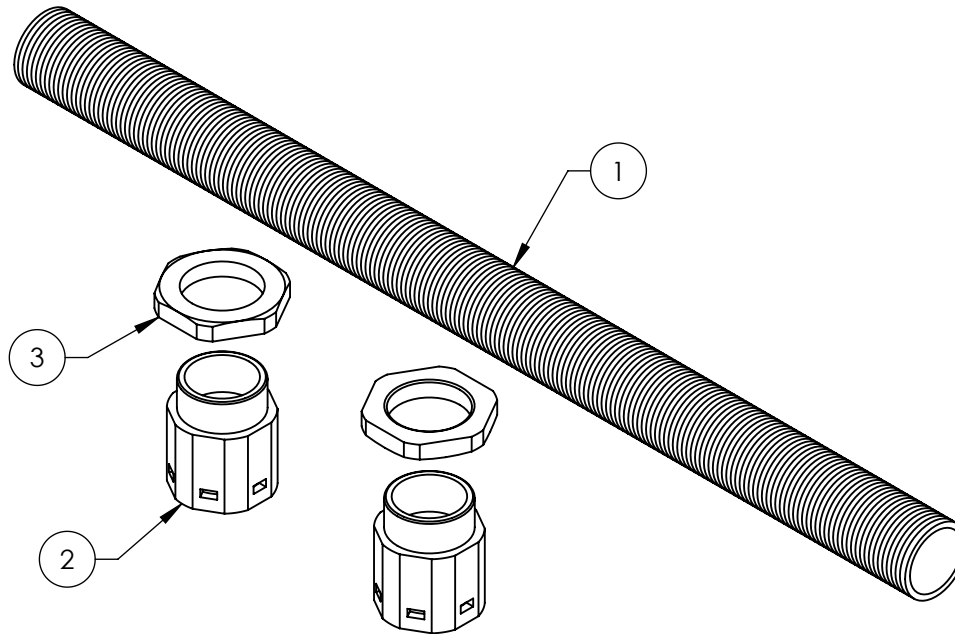
SIZE	DWG. NO.	REV
A	5215820	B

SCALE: 1:2

SHEET 1 OF 1

NEXT ASSEMBLY
5215190
5215192
5215512
5215525
5216058
5216185
5216188

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	5250349
5250167	5250194	5250364
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 05/10/2022

THIRD ANGLE PROJECTION



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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:

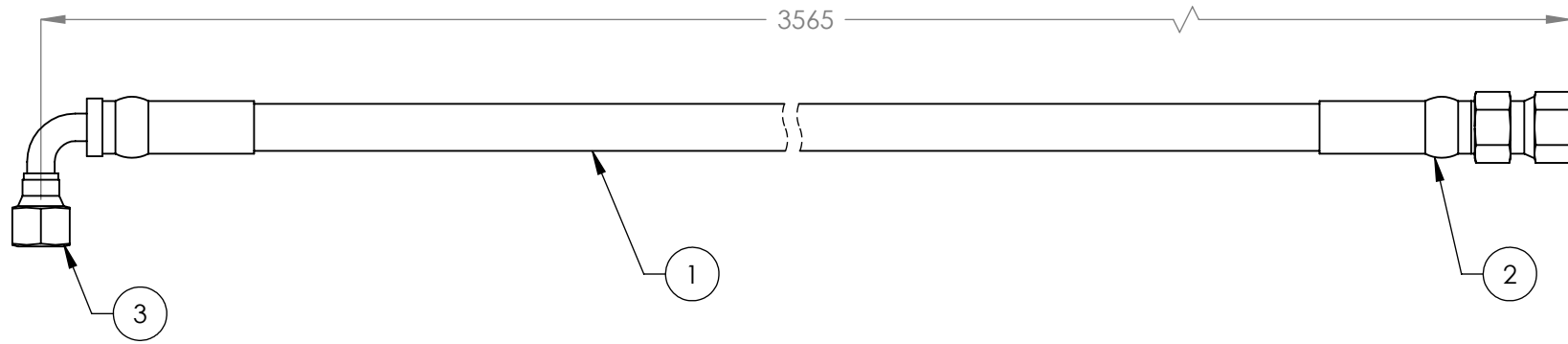
Xin Yurong
Shandong Ningjin High Energy Hose Co., Ltd.
Tel: +86 534-5421821
No. 7, Taishan Rd., Industrial Park, Ningjin County, Shandong, China



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#
A	PRODUCTION RELEASE	03/11/2009	GJZ	00249
A-001	UPDATED NEXT ASSEMBLY	05/17/2013	TM	00593
B	REPLACED 5570110 WITH 5570129	09/30/2015	TM	00724



WHERE USED
HD-9SW
HDS-14
PL-12000DP

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5250143
5250289
5250339

ITEM NO	PART NUMBER	DESCRIPTION	QTY.	REV
1	5570129	Ø6.4 ID HYDRAULIC HOSE	3485mm*	-
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	03/11/2009
CHECKED CA	02/02/2016

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

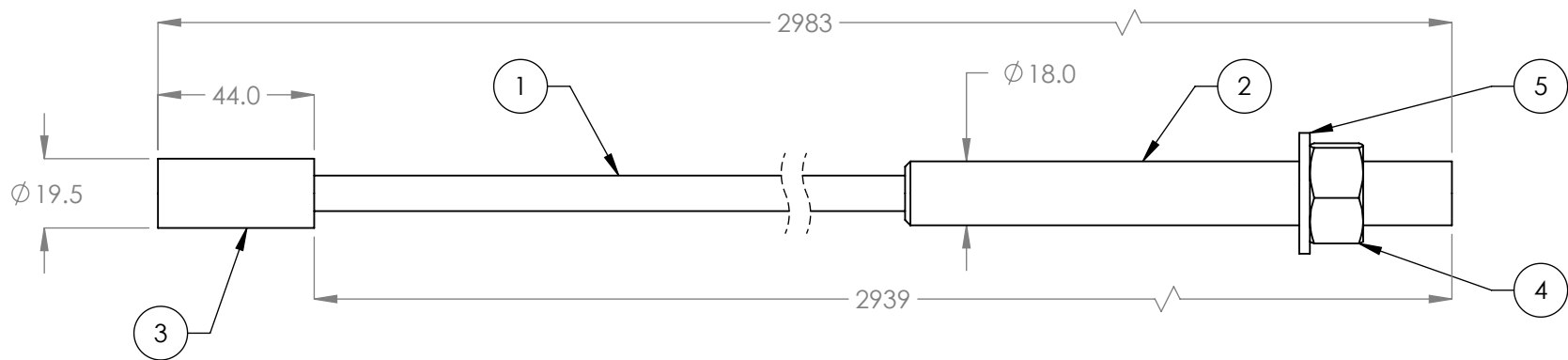
TITLE: HOSE ASSEMBLY
Ø6.4 x 3565mm SB

SIZE	DWG. NO.	REV
A	5570152	B

SCALE: 1:2

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595416	11/15/2019	CA	01120
B	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	2889mm*	-
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-9SW

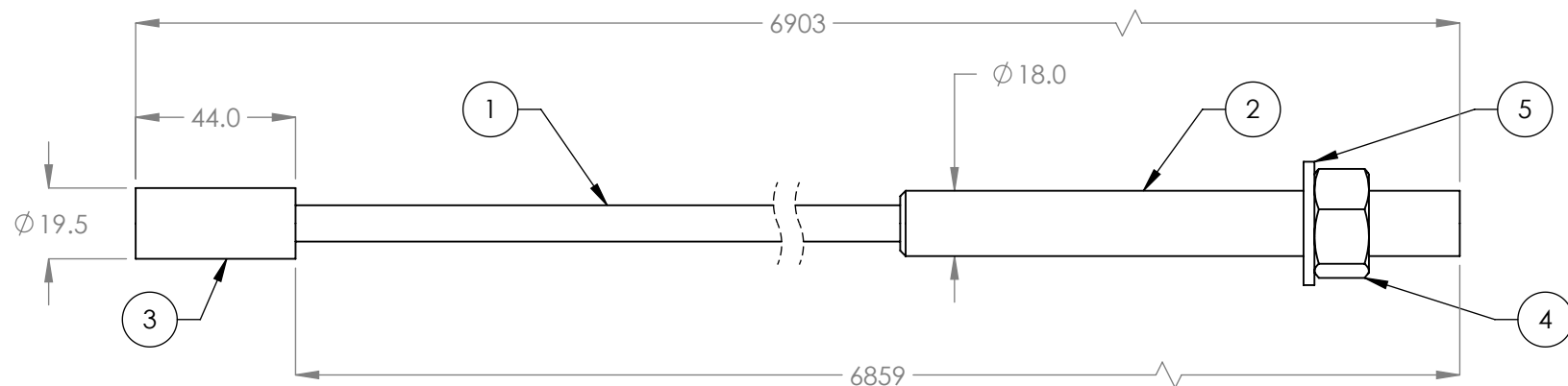
NOTE: UNLESS OTHERWISE SPECIFIED.

- 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
5250289

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DRAWN		CA	11/15/2019		
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				CABLE ASSEMBLY Ø10 x 2983mm ST	
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		A 5595622		B	
		SCALE: 1:2		SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595417	11/15/2019	CA	01120
B	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	6809mm*	-
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	-

DO NOT SCALE DRAWING

NAME	DATE
DRAWN CA	11/15/2019
CHECKED	

BendPak.
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

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



TITLE: CABLE ASSEMBLY
Ø10 x 6903mm ST

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

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SIZE	DWG. NO.	REV
A	5595623	B
SCALE: 1:2		SHEET 1 OF 1

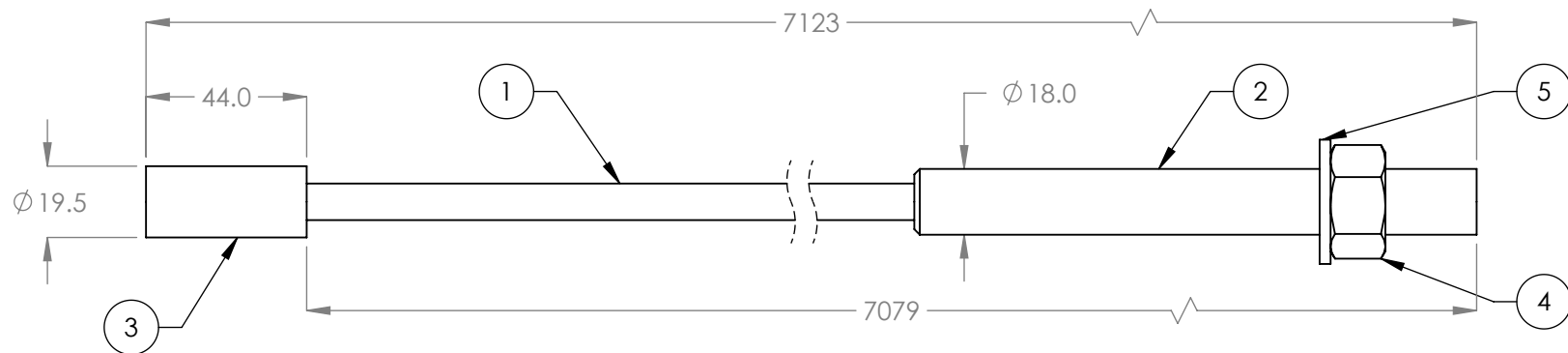
WHERE USED
HD-9SW

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
5250289

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595418	11/15/2019	CA	01120
B	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	7029mm*	-
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-9SW
PL-12000DPS

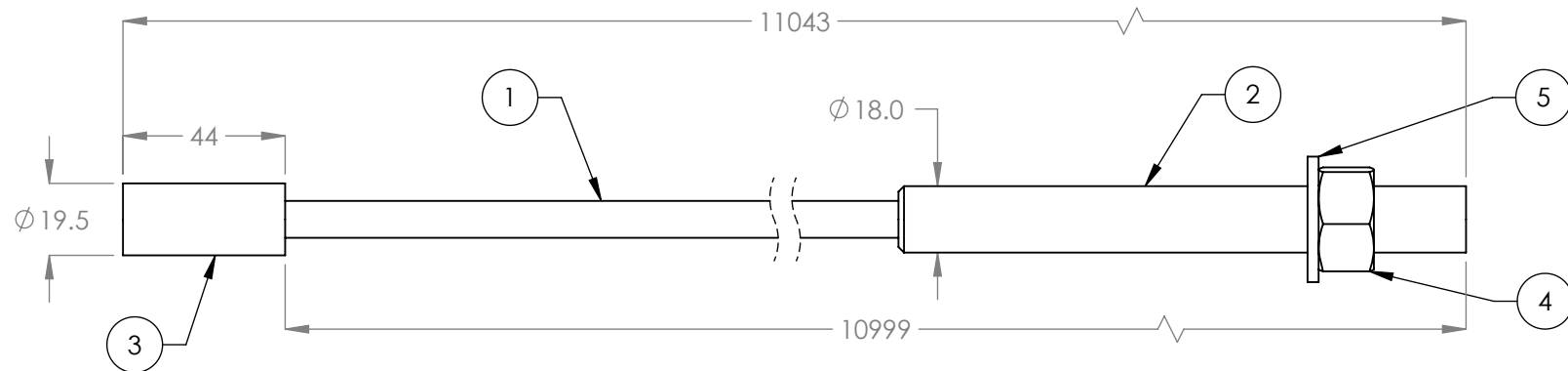
NOTE: UNLESS OTHERWISE SPECIFIED.

- 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
5250289
5250351

DO NOT SCALE DRAWING		NAME		DATE		 BendPak.			
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	CA	11/15/2019		1645 LEMONWOOD DR. SANTA PAULA, CA 93060			
		CHECKED	OR	08/28/2020		TITLE: CABLE ASSEMBLY Ø10 x 7123mm ST			
		THIRD ANGLE PROJECTION							
Z						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	5595624		B
							SCALE: 1:2		
								SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595419	11/15/2019	CA	01120
B	ADDED 5535358 AND 5545342	07/15/2020	TM	01174



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5595011	CABLE, LIFTING Ø10mm	10949mm*	-
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	-

DO NOT SCALE DRAWING

NAME	DATE
DRAWN CA	11/15/2019
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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TITLE: CABLE ASSEMBLY
Ø10 x 11043mm ST

SIZE	DWG. NO.	REV
A	5595625	B

SCALE: 1:2

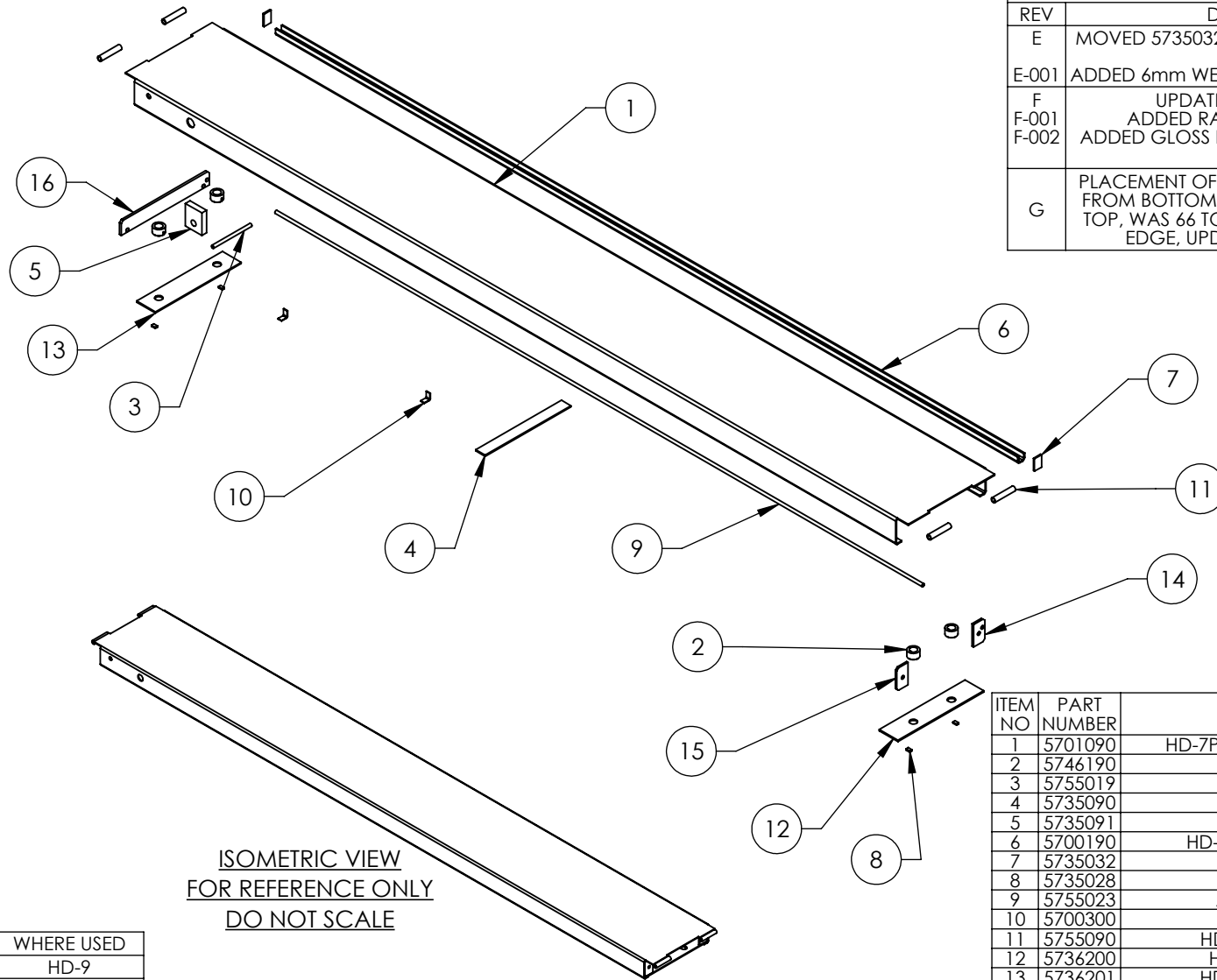
SHEET 1 OF 1

WHERE USED
HD-9SW

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
5250289



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9
HD-9ST
HD-9SW
HD-9SW-E
HD-7500BL
PL-12000DPS

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
5215190
5216185

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	MOVED 5735032 UP 12mm, UPDATED BOM	10/18/2010	TM	00414
E-001	REVISION ADDED 6mm WELD TO BOTTOM OF 5735091	08/09/2011	TM	00479
F	UPDATED BOM REVISION	09/02/2014	TM	00664
F-001	ADDED RAL NUMBER TO NOTES	01/13/2017	TS	00798
F-002	ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	02/04/2020	CA	01120
G	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

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 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 CYLINDER CLEVIS	1	C
6	5700190	HD-7/7500/9 ROLLING BRIDGE BEAM, SHORT	1	A
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	5736200	HD-7500/9 RAMP END PLATE, 4-SHEAVE	1	B
13	5736201	HD-7/7500/9 RAMP END PLATE, 2-SHEAVE	1	B
14	5736203	HD-7500/9/973 RIGHT RAMP BOLT PLATE, 4-SHEAVE	1	D
15	5736204	HD-7500/9/973 LEFT RAMP BOLT PLATE, 4-SHEAVE	1	D
16	5736202	HD-7/7500/9 RAMP BOLT PLATE, 2-SHEAVE	1	D

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 AC	11/05/2008
CHECKED OR	12/21/2021

THIRD ANGLE PROJECTION



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PROHIBITED.

BendPak.

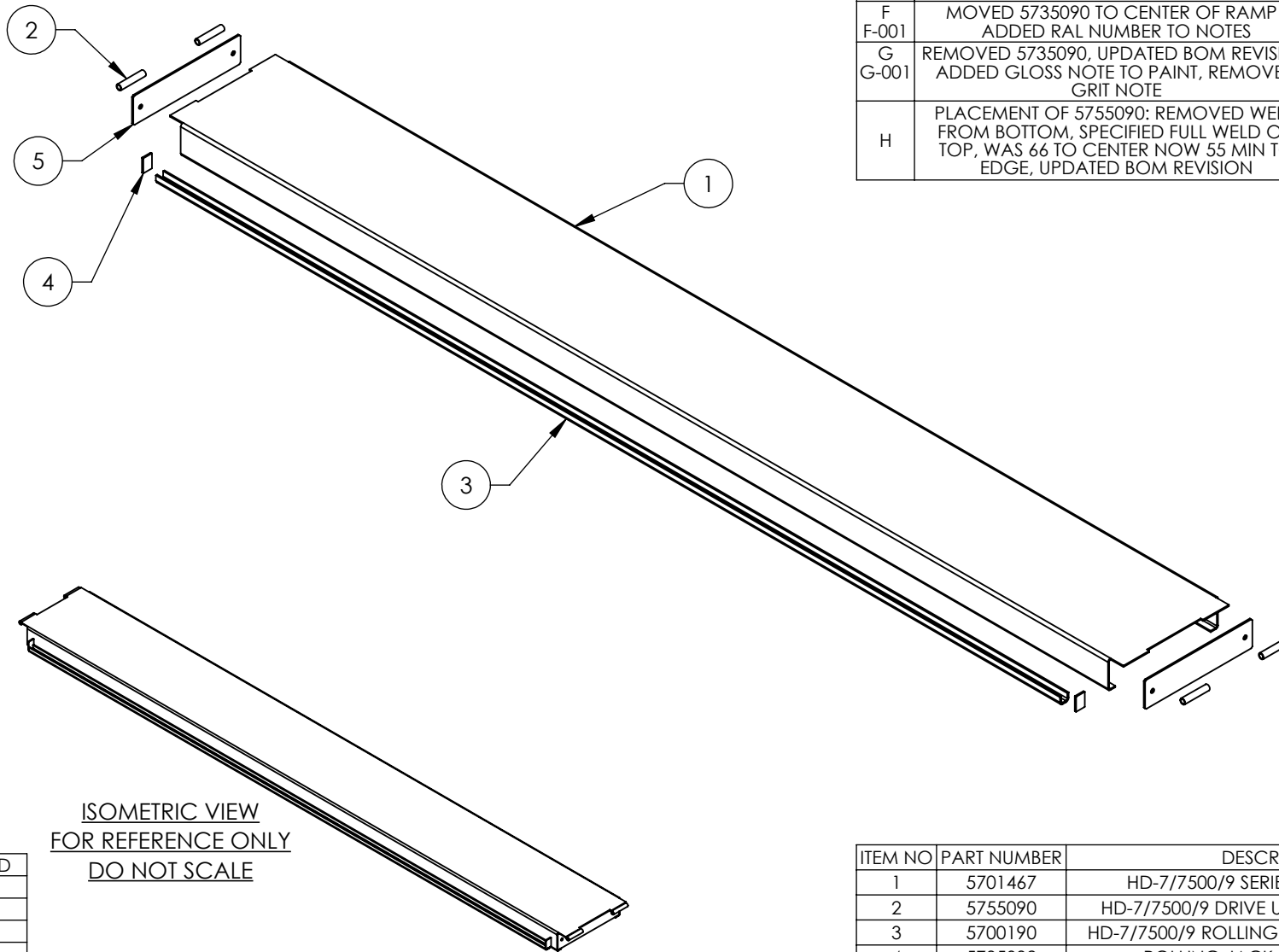
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HD-9/7500BL POWER SIDE
RAMP WELDMENT

SIZE	DWG. NO.	REV
A	5600200	G

SCALE: 1:25

SHEET 1 OF 4



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED

HD-9
HD-9ST
HD-9SW
HD-9SW-E
HD-7500BL
PL-12000DPS

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

5245078
5245080
5245255
5245383
5245395
5245396

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F F-001	MOVED 5735090 TO CENTER OF RAMP ADDED RAL NUMBER TO NOTES	01/08/2015 01/05/2017	MR TS	00675 00798
G G-001	REMOVED 5735090, UPDATED BOM REVISION ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	07/19/2018 02/04/2020	TM CA	00975 01120
H	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

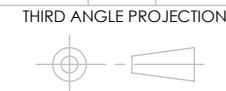
ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5701467	HD-7/7500/9 SERIES OFF SIDE RAMP	1	D
2	5755090	HD-7/7500/9 DRIVE UP RAMP HINGE TUBE	4	C
3	5700190	HD-7/7500/9 ROLLING BRIDGE BEAM, SHORT	1	A
4	5735032	ROLLING JACK RAIL CLOSEOUT	2	C
5	5736090	HD-7/7500/9 RAMP END PLATE	2	D

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 AC	11/05/2008
CHECKED OR	12/21/2021



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SANTA PAULA, CA 93060

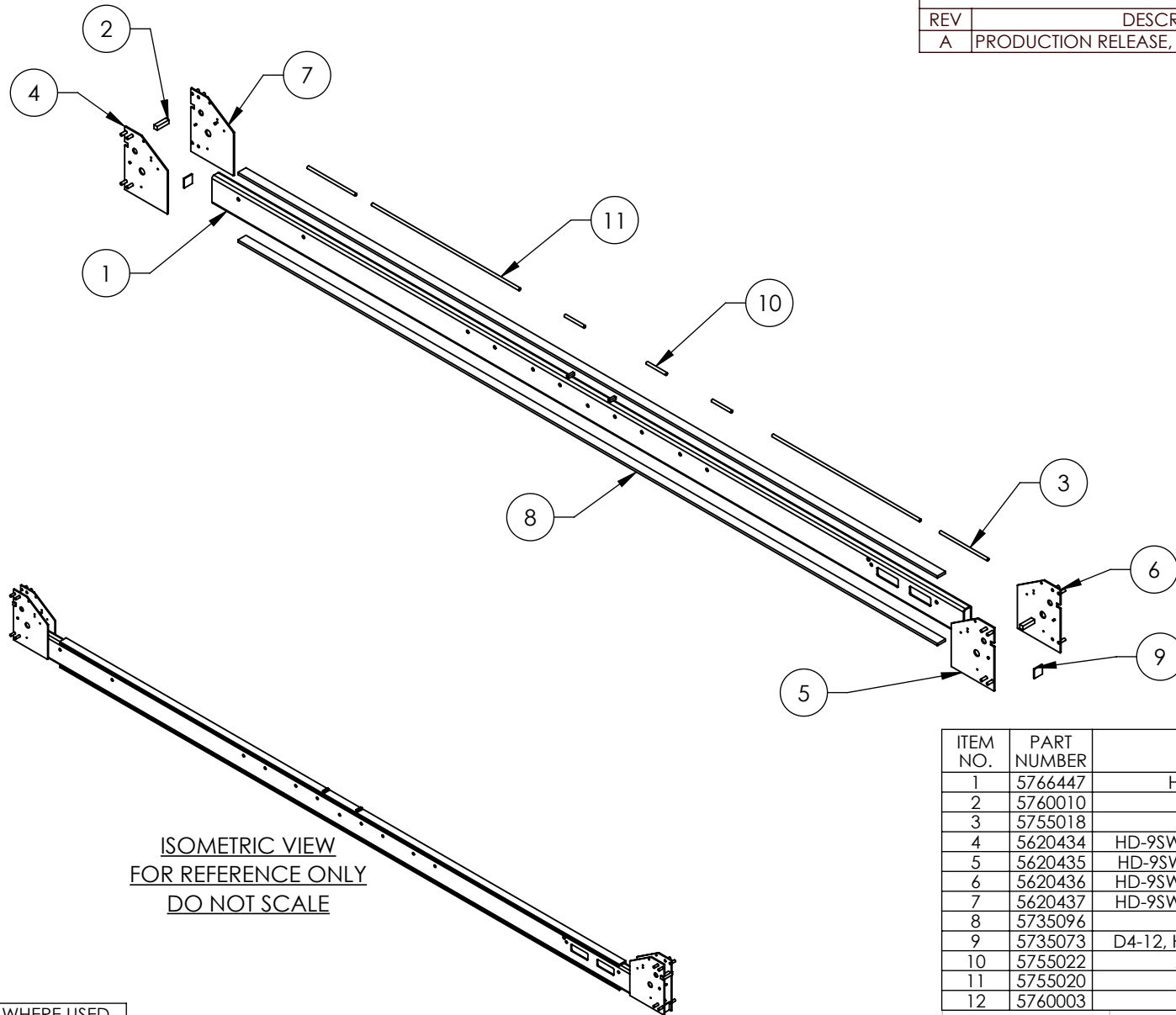
TITLE:
HD-9/7500BL, PL-12000DPS
OFF SIDE RAMP WELDMENT

SIZE	DWG. NO.	REV
A	5600203	H

SCALE: 1:20

SHEET 1 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5601429	05/02/2022	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9SW
HD-9SWX

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

NEXT ASSEMBLY
5216163

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5766447	HD-9SW CROSSTUBE, LARGE WINDOW	1	B
2	5760010	HD-7/9 CROSSTUBE SAFETY BLOCK	2	B
3	5755018	AIR LINE TROUGH Ø13.5 x Ø9.5 x 297	2	C
4	5620434	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #1	1	K
5	5620435	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #2	1	K
6	5620436	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #3	1	K
7	5620437	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #4	1	K
8	5735096	HD-9SW CROSSTUBE STRAP	2	C
9	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C
10	5755022	AIR LINE TROUGH Ø13.5 x Ø9.5 x 121	3	B
11	5755020	AIR LINE TROUGH Ø13.5 x Ø9.5 x 918	2	C
12	5760003	D4-12, HD-12/14 RAMP STOP	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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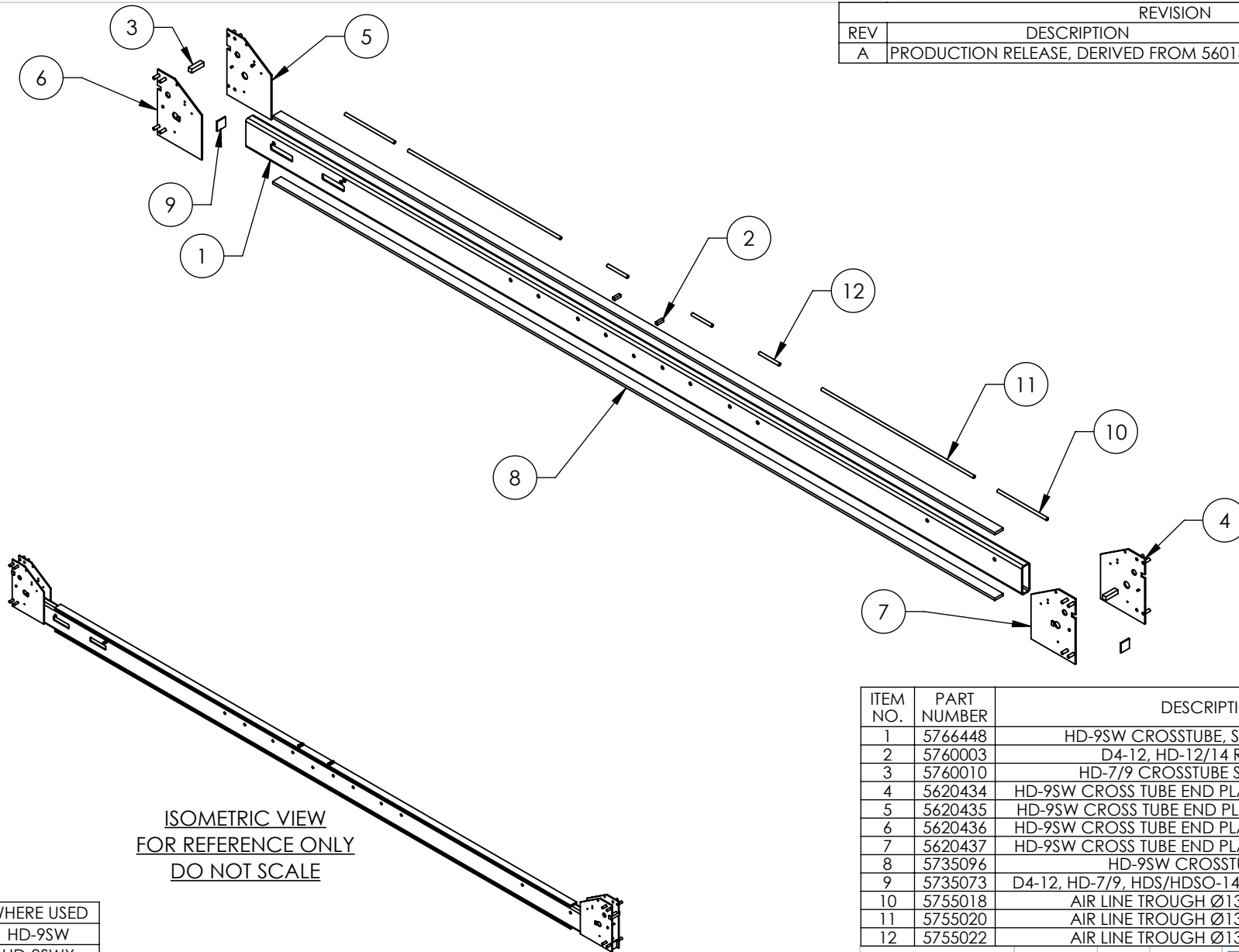
TITLE: HD-9SW CROSSTUBE
WELDMENT, LARGE WINDOW

SIZE	DWG. NO.	REV
A	5601827	A

SCALE: 1:25

SHEET 1 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5601430	05/02/2022	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HD-9SW
HD-9SWX

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	5766448	HD-9SW CROSSTUBE, SMALL WINDOW	1	A
2	5760003	D4-12, HD-12/14 RAMP STOP	2	C
3	5760010	HD-7/9 CROSSTUBE SAFETY BLOCK	2	B
4	5620434	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #1	1	K
5	5620435	HD-9SW CROSS TUBE END PLATE SUBWELDMENT#2	1	K
6	5620436	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #3	1	K
7	5620437	HD-9SW CROSS TUBE END PLATE SUBWELDMENT #4	1	K
8	5735096	HD-9SW CROSSTUBE STRAP	2	C
9	5735073	D4-12, HD-7/9, HDS/HDSO-14 CARRIAGE TIE BLOCK	2	C
10	5755018	AIR LINE TROUGH Ø13.5 x Ø9.5 x 297	2	C
11	5755020	AIR LINE TROUGH Ø13.5 x Ø9.5 x 918	2	C
12	5755022	AIR LINE TROUGH Ø13.5 x Ø9.5 x 121	3	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

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

THIRD ANGLE PROJECTION



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SANTA PAULA, CA 93060

TITLE: HD-9SW CROSSTUBE
WELDMENT, SMALL WINDOW

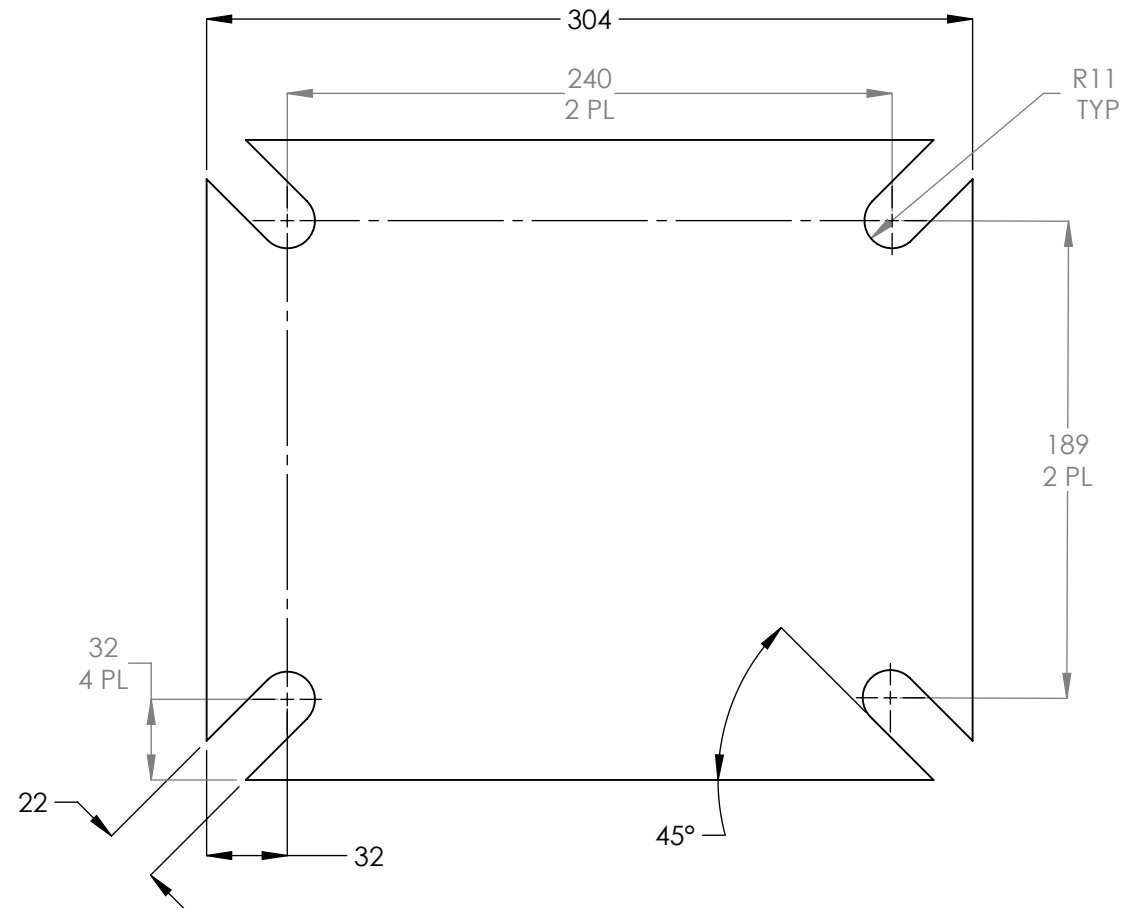
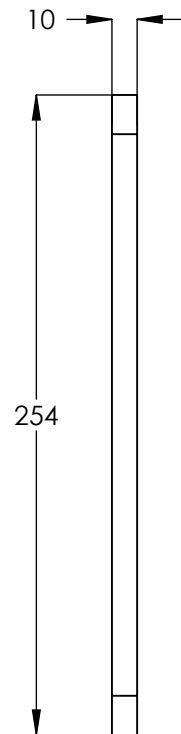
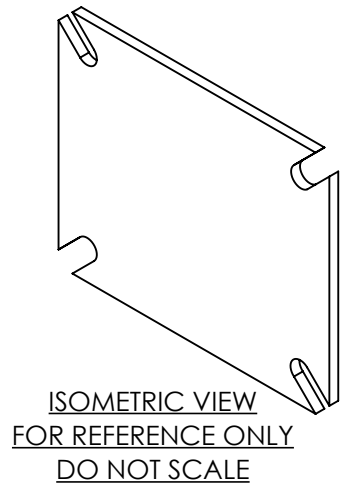
SIZE	DWG. NO.	REV
A	5601828	A

SCALE: 1:25

SHEET 1 OF 3

NEXT ASSEMBLY
5216164

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	5601865
5601127	5601159	5601866
5601133	5601410	5601867
5601134	5601739	5620605
5601135	5601740	5620606
5601136	5601780	5620669
5601137	5601859	5620670
5601138	5601860	5601779
5601139	5601863	
5601140	5601864	

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

PART SPECIFICATION FORM (STANDARD)

BENDPAK Number:	5900033
MRP Description:	HD-9SW/SWX INSTALLATION MANUAL
Date:	08/30/2022
ECO :	---

1. Engineering Specification

Application:

INSTALLATION MANUAL

Detailed Description:

Print Settings

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

Size:	A4 (210 to 297 mm), 8.5 by 11 inches (216 to 279 mm), or between
Color:	Black and White
Binding:	Saddle Stitched
Paper:	100 to 120 gsm (27 to 32 pound), uncoated



1645 Lemonwood Dr.
Santa Paula, CA 93060 USA
Tel: (805) 253-2263
Tel: (805) 933-9970
bendpak.com

HD-9 Four-Post Lift

Installation and Operation Manual

Manual P/N 5900033 — Manual Revision H2 — August 2022

Models:

- HD-9SW
- HD-9SW-E
- HD-9SWX



Designed and engineered by BendPak Inc. in Southern California, USA. Made in China.



IMPORTANT Safety Instructions, save these instructions! Read the *entire* contents of this manual *before* using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death. Make sure all other operators also read this manual. Keep the manual near the product for future reference. *By proceeding with installation and operation, you agree that you fully understand the contents of this manual and assume full responsibility for product use.*

2. Vendor Information (Or for Reference)

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