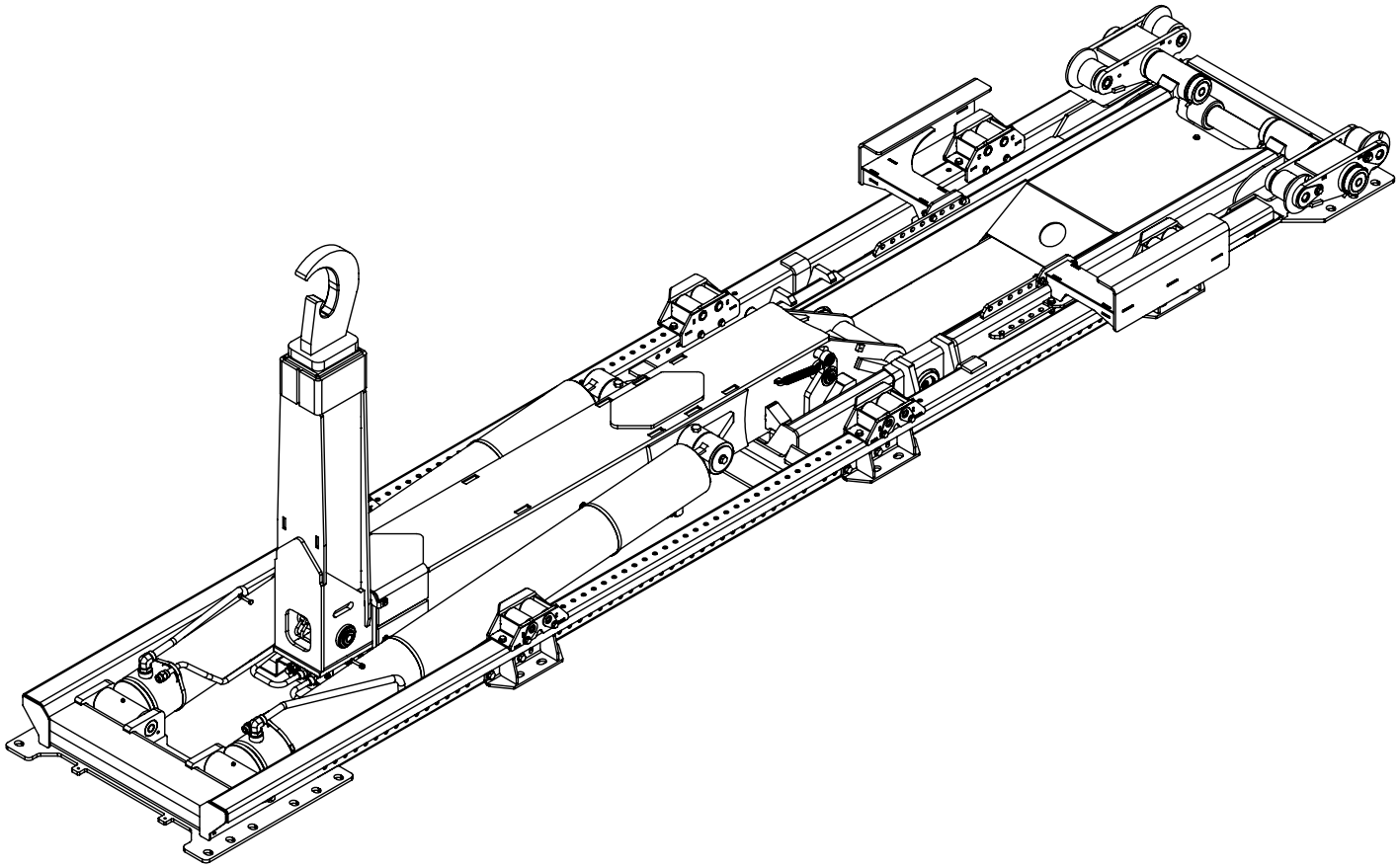
NXT40 Hooklift
Parts Manual

Installation • Assembly Drawings • Parts



Stellar Industries, Inc.
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www.stellarindustries.com

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REV 1.1
PN: 150687

P65 Warning / Warranty Info / Cold Weather Notice

⚠ WARNING

Operating, maintaining, and servicing a Stellar product may expose you to chemicals including, but not limited to, engine exhaust, carbon monoxide, phthalates, and lead. These chemicals are known to the State of California to cause cancer and birth defects (or other reproductive harm). To keep your exposure to a minimum, be sure to avoid breathing exhaust and service your Stellar product in a well-ventilated area while wearing gloves or washing your hands frequently. For more information, go to www.P65Warnings.ca.gov/passenger-vehicle.

www.p65warnings.ca.gov

NOTICE

Cold Weather Performance

Although clear data on cold weather performance from every steel manufacturer is not available for all types and thicknesses of steel, Stellar Industries is confident that the weldments on our products will operate to 100% of their intended purpose to temperatures down to -40° F / C.

It is recommended if Stellar manufactured equipment needs to be used in temperatures below -40° F / C, the operator should pull the unit into a climate-controlled area and allow the weldments to warm up to and then maintain a temperature above this level.

For Technical Questions, Information, Parts, or Warranty, Call Toll-Free at

800-321-3741

Hours: Monday - Friday, 8:00 a.m. - 5:00 p.m. CST

Or email at the following addresses:

Technical Questions, and Information	service@stellarindustries.com
Order Parts	parts@stellarindustries.com
Warranty Information	warranty@stellarindustries.com

www.stellarindustries.com

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Introduction

A copy of this manual is provided with every hooklift and can be found in the hard plastic manual case that is installed on the chassis. A copy of this manual shall remain with the hooklift at all times.

Throughout the manual, three signal words will be used to bring attention to important items:

NOTICE ***NOTICE*** *indicates a practice not related to physical injury.*

⚠WARNING **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ DANGER **DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Information contained within this manual does not cover operation, maintenance, or troubleshooting. Please refer to the General Hooklift Operator's Manual, part number 127718 for details on these items.

This manual is not binding. Stellar Industries, Inc. reserves the right to change, at any time, any or all of the items, components, and parts deemed necessary for product improvement or commercial/production purposes. This right is kept with no requirement or obligation for immediate mandatory updating of this manual.

If more information is required or technical assistance is needed, or if you feel that any part of this manual is unclear or incorrect, please contact the Stellar Customer Service Department by phone at 800-321-3741 or email at service@stellarindustries.com.

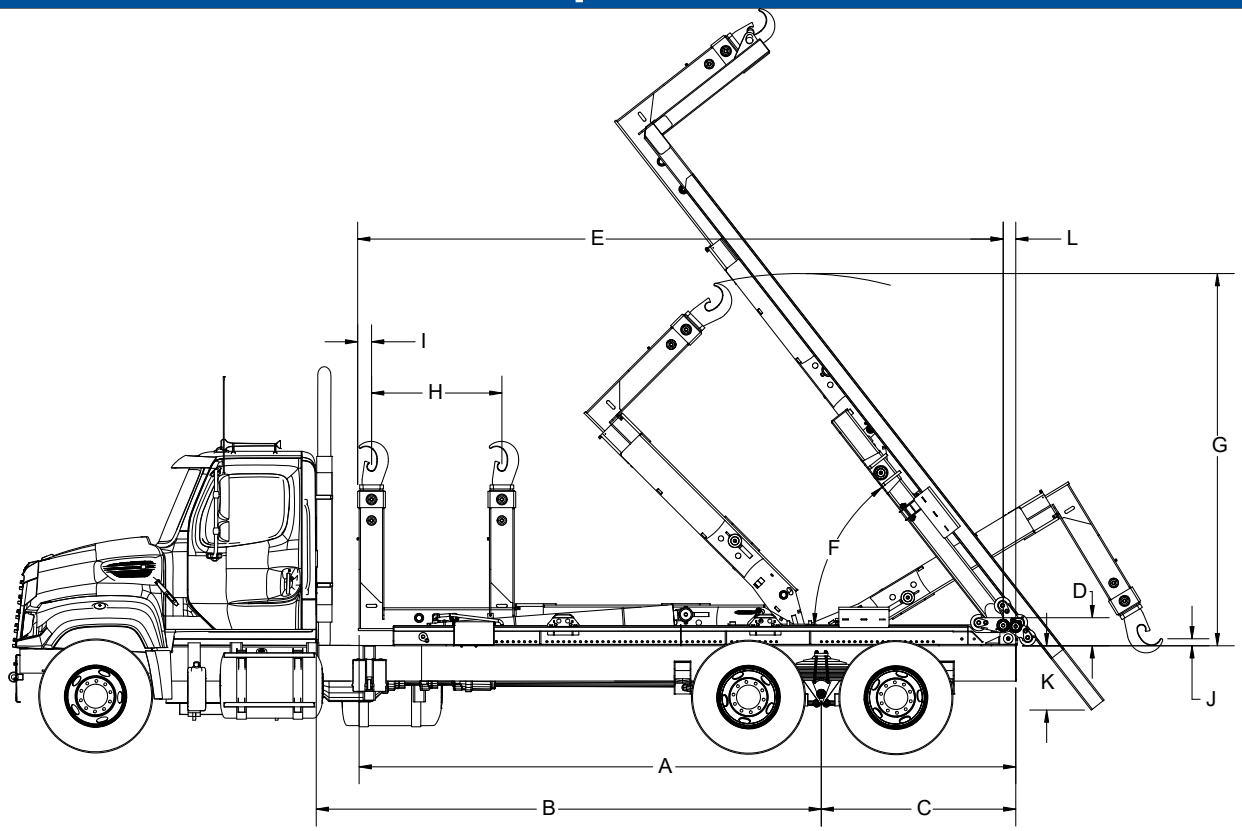
www.stellarindustries.com

Chapter 1 - Specifications

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NXT40 Specifications



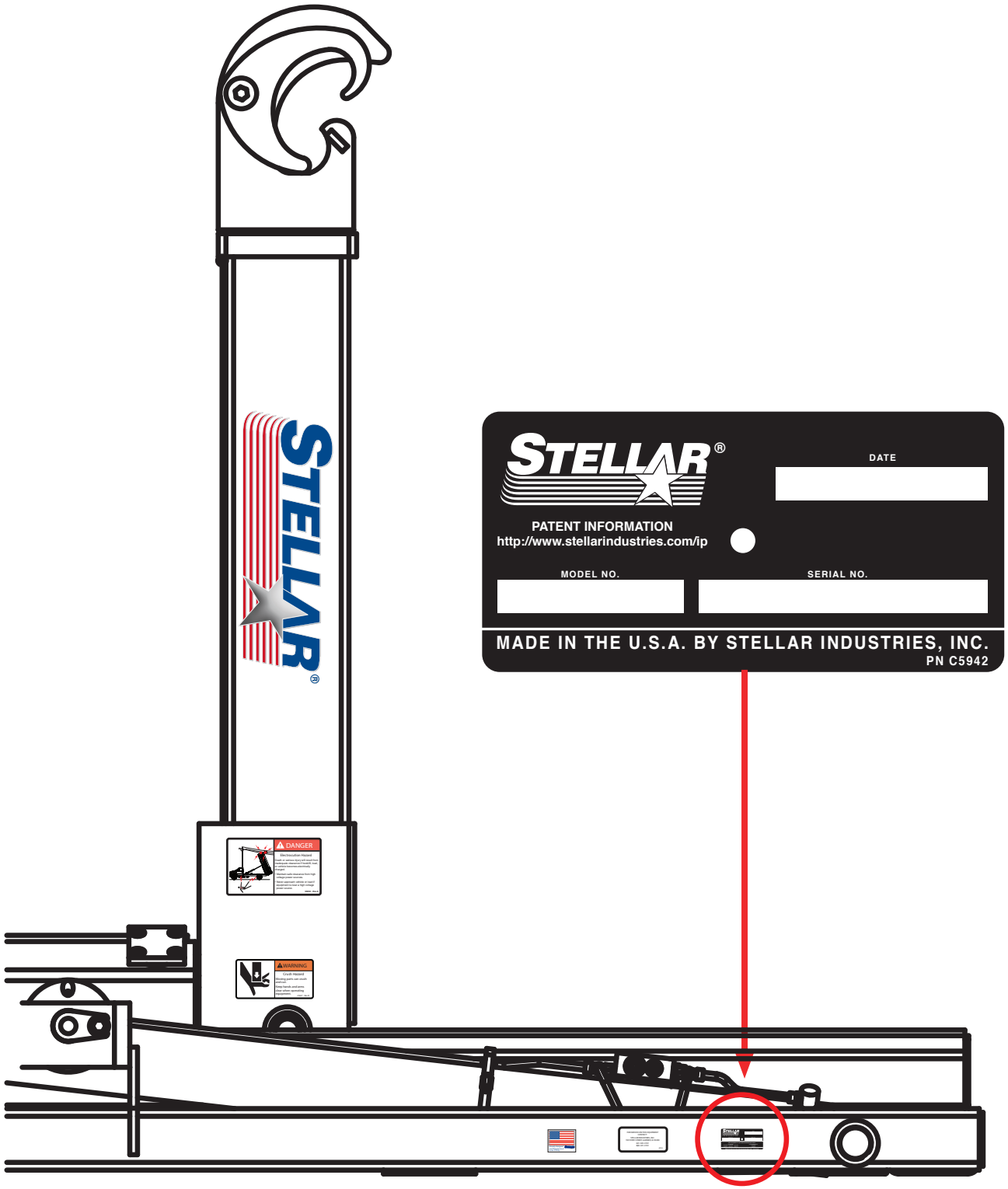
		NXT40S	NXT40L
A	OVERALL LENGTH	229.50” (5,829 MM)	242.50” (6,160 MM))
B	CAB-TO-AXLE RANGE	174” TO 202” (4,449 TO 5,181 MM)	182” TO 214” (4,623 TO 5,436 MM)
C	AFTER FRAME RANGE	59” (1,498 MM)	64” (1,626 MM)
D	LOADER HEIGHT	10.50” (267 MM)	
E	FRONT OF JIB TO CENTERLINE OF ROLLER	227” (5,766 MM)	240” (6,096 MM)
F	DUMP ANGLE	52”	
G	MAX TILT HEIGHT	54” HH: 137.13” (3,483 MM) 62” HH: 141.38” (3,591 MM)	
H	JIB TRAVEL	35” (889 MM)	48” (1,219 MM)
I	FRONT OF JIB TO CENTERLINE OF HOOK	5.19” (132 MM)	
J	HOOK BELOW FRAME	54” HH: 3” (76 MM) ABOVE FRAME 62” HH: 3.56” (90 MM) BELOW FRAME	
K	LOWEST POINT OF DUMP*	23.63” (600 MM)	
L	CENTERLINE TO BACK OF ROLLER	6” (152 MM)	
*ASSUMES 3’ OVERHANG FROM CENTER OF REAR ROLLER PIN. (BUMPER TYPICALLY 12” FROM CENTER OF ROLLER PIN)			

NXT40 Specifications - Continued

NXT40	
HOOK HEIGHT:	54” *(1,372 mm)* OR 61.75” *(1,568 mm)*
LIFT CAPACITY	54" HH: 40,000 LBS (*18,144 kg)*
	61.75" HH: 40,000 LBS *(18,144 kg)*
DUMP CAPACITY:	40,000 LBS *(18,144 kg)*
CYCLE TIMES	TILT/DUMP EXTEND - 25 SECONDS
	TILT/DUMP RETRACT - 70 SECONDS
	JIB EXTEND - 11 SECONDS
	JIB RETRACT - 10 SECONDS
	(TIMES BASED ON 24 GPM OF OIL FLOW.)
SHIPPING WEIGHT:	LONG/SHORT VERSION - MANUAL JIB: 5,590 LBS *(2,535 kg)*
	(WITHOUT RESERVOIR AND BODY LOCKS.)
	LONG/SHORT VERSION- HYDRAULIC JIB: 5,695 LBS *(2,583 kg)*
BODY LENGTHS:	SHORT VERSION: 16' - 20' *(4,877 - 6,096 mm)*
	LONG VERSION: 16' - 22' *(4,877 - 6,706 mm)*
MIN. TRUCK GVWR:	50,000 LBS *(22,680 kg)*
MAXIMUM HYDRAULIC FLOW:	24 GPM *(90.8 Lpm)*
OPERATING PRESSURE	4,500 PSI *(310 Bar)*
COMPONENTS	MAIN COMPONENTS ARE MANUFACTURED WITH HIGH-STRENGTH STEEL. GREASABLE BUSHINGS AT ALL PIVOT POINTS. ALL PINS ARE ZINC-PLATED CARBON STEEL AS STANDARD WITH AN OPTION TO UPGRADE TO TYPE 17-4 STAINLESS PINS.

Serial Tag Location

The serial tag should be located on the right side (passenger side) of the base assembly:

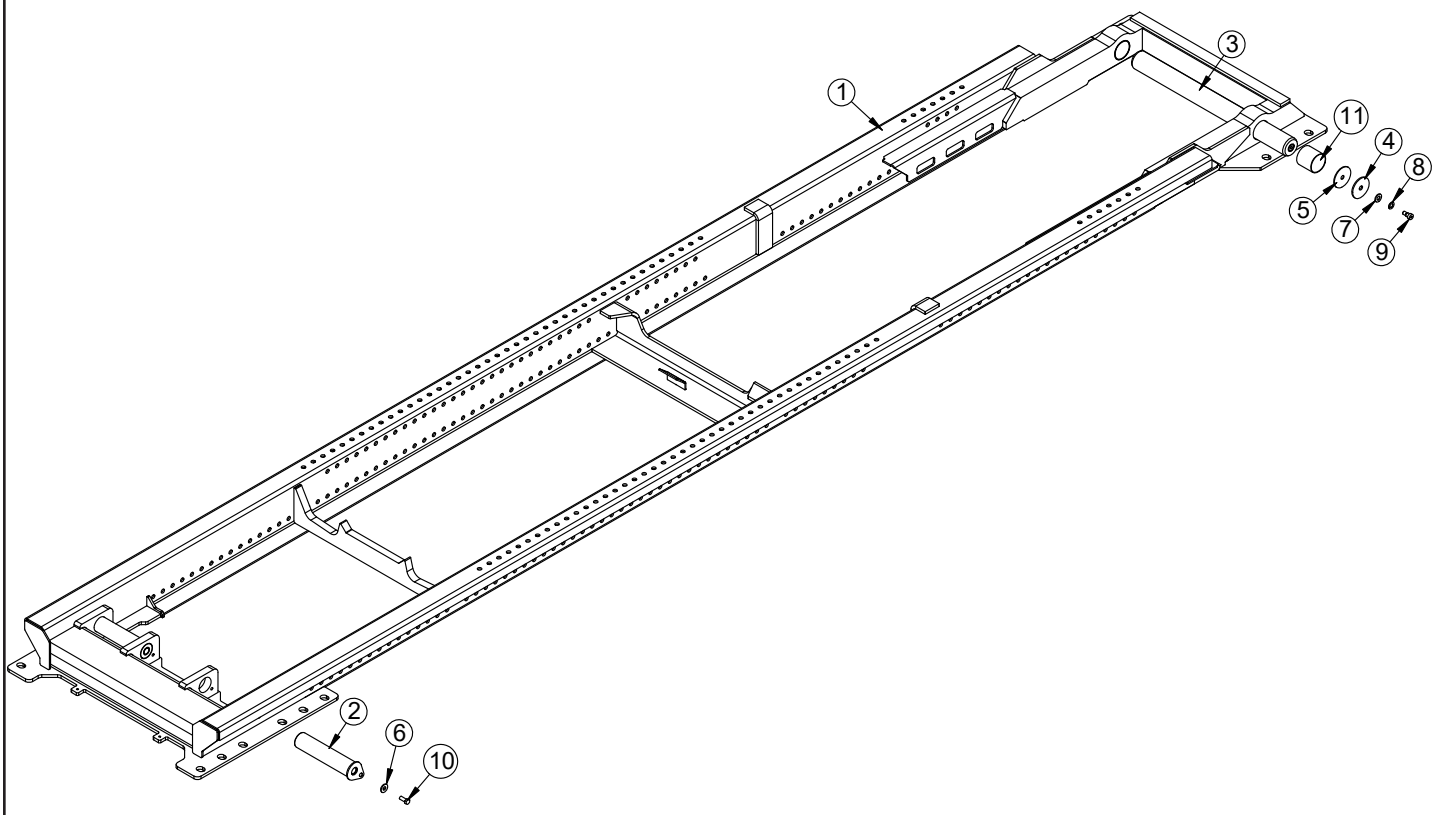


Chapter 2 - Assembly Drawings

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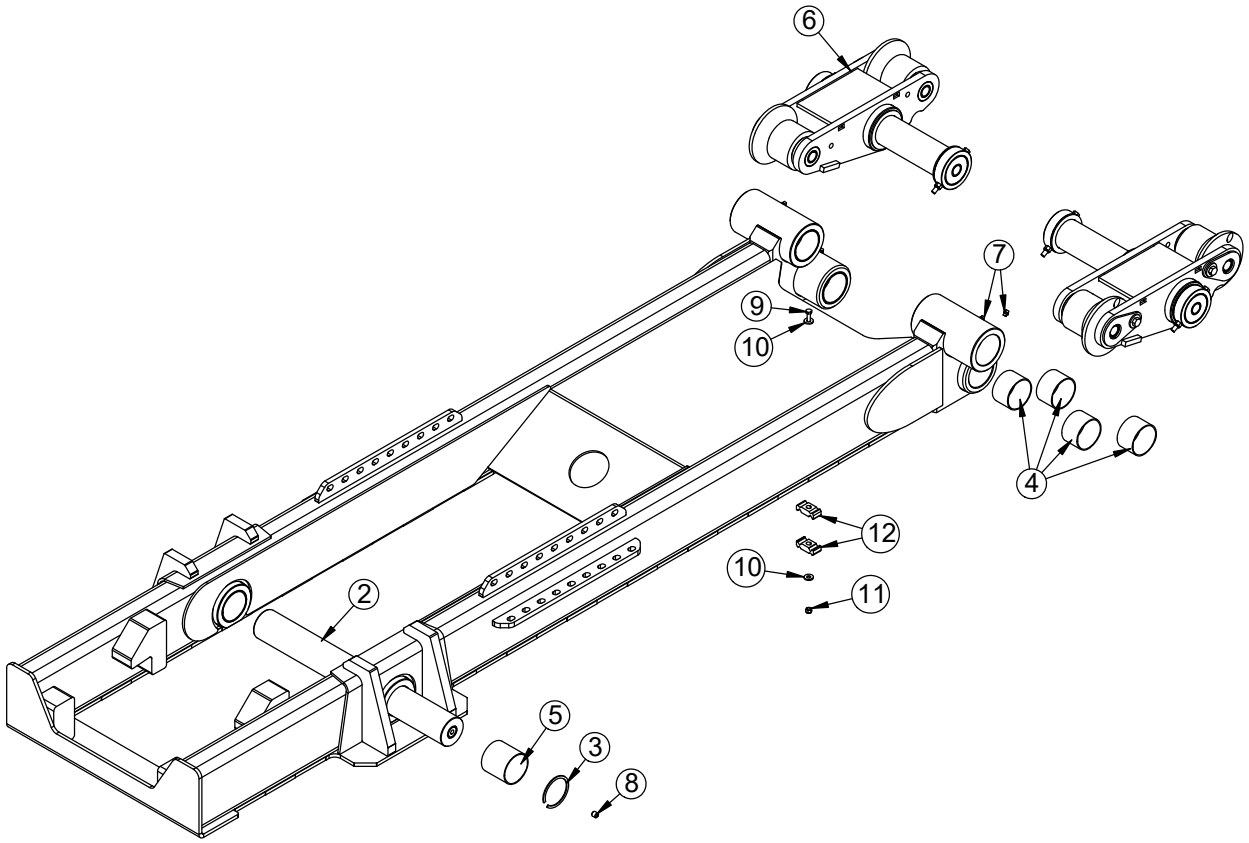
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NXT40 Base Assembly - PN 133023



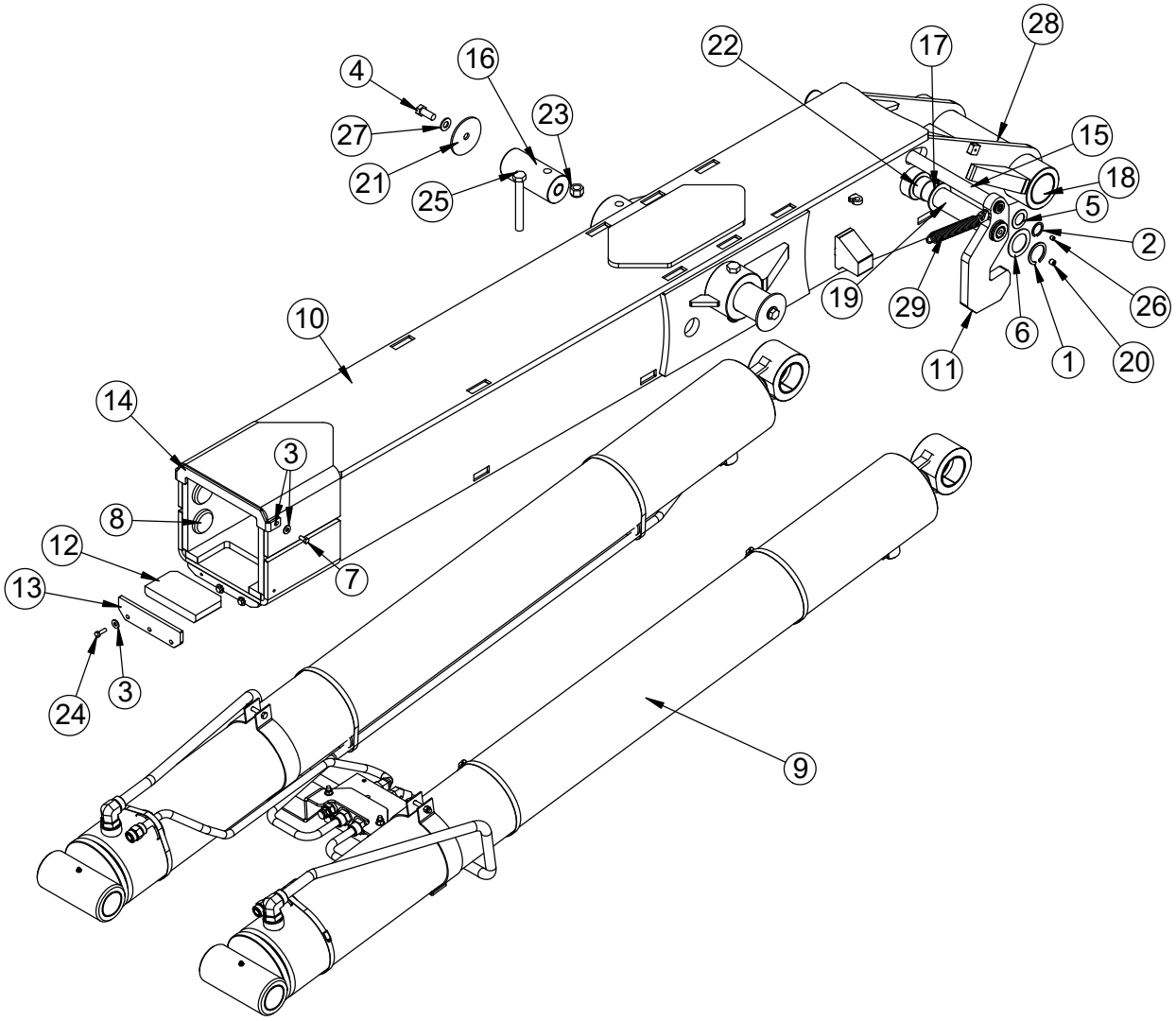
PN 133023			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	144897	BASE WLDMT NXT52V2/36/42L	1
2	129433CR	PIN TEAR DROP 2.50X11.38 ZC	2
3	129370CR	PIN 3.00X32.69 D&T ZC	1
4	8455	PIN CAP 0.69X3.50X0.19	2
5	12921	THRUST WASHER 0.64X3.50X0.125	2
6	0352	WASHER 0.50 USS FLAT	2
7	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	2
8	12711	THRUST WASHER 0.63 DIA	2
9	12673	BOLT SHOULDER 0.63X0.50 0.50-13X0.75	2
10	0498	CAP SCR 0.50-13X1.25 HHGR5	2
11	2227	BUSHING BPC48DXR48 3.00X3.00	2

NXT40 Dump Assembly - PN 139197



PN 139197			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	139195	DUMP NXT52 V2	1
2	129439CR	PIN 3.00X24.88 D&T ZC	1
3	2200	SNAP RING INSIDE 3.00 3000-X300	2
4	0865	BUSHING BPC48DXR32 3.00X2.00	8
5	2227	BUSHING BPC48DXR48 3.00X3.00	2
6	129436	ROLLER ASM NXT52	1
7	C1592	ZERK 1/8 NPT STRAIGHT	4
8	58052	SET SCREW 0.50-13X0.50 W/ RED PATCH	1
9	C0929	CAP SCR 0.31-18X2.75 HHGR5	1
10	0343	WASHER 0.31 USS FLAT	2
11	0342	NUT 0.31-18 HHGR5 NYLOC	1
12	8622	CLAMP HOSE/TUBE AG-2	2
INITIAL RELEASE - REQ946			

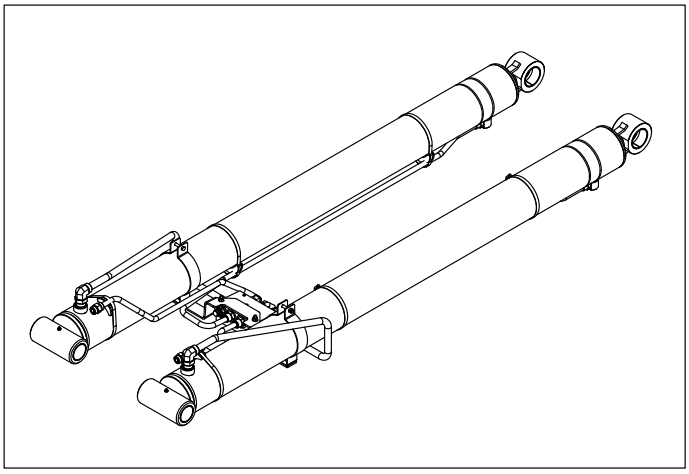
NXT40 Secondary/Dump Latch Asm - PN 129351

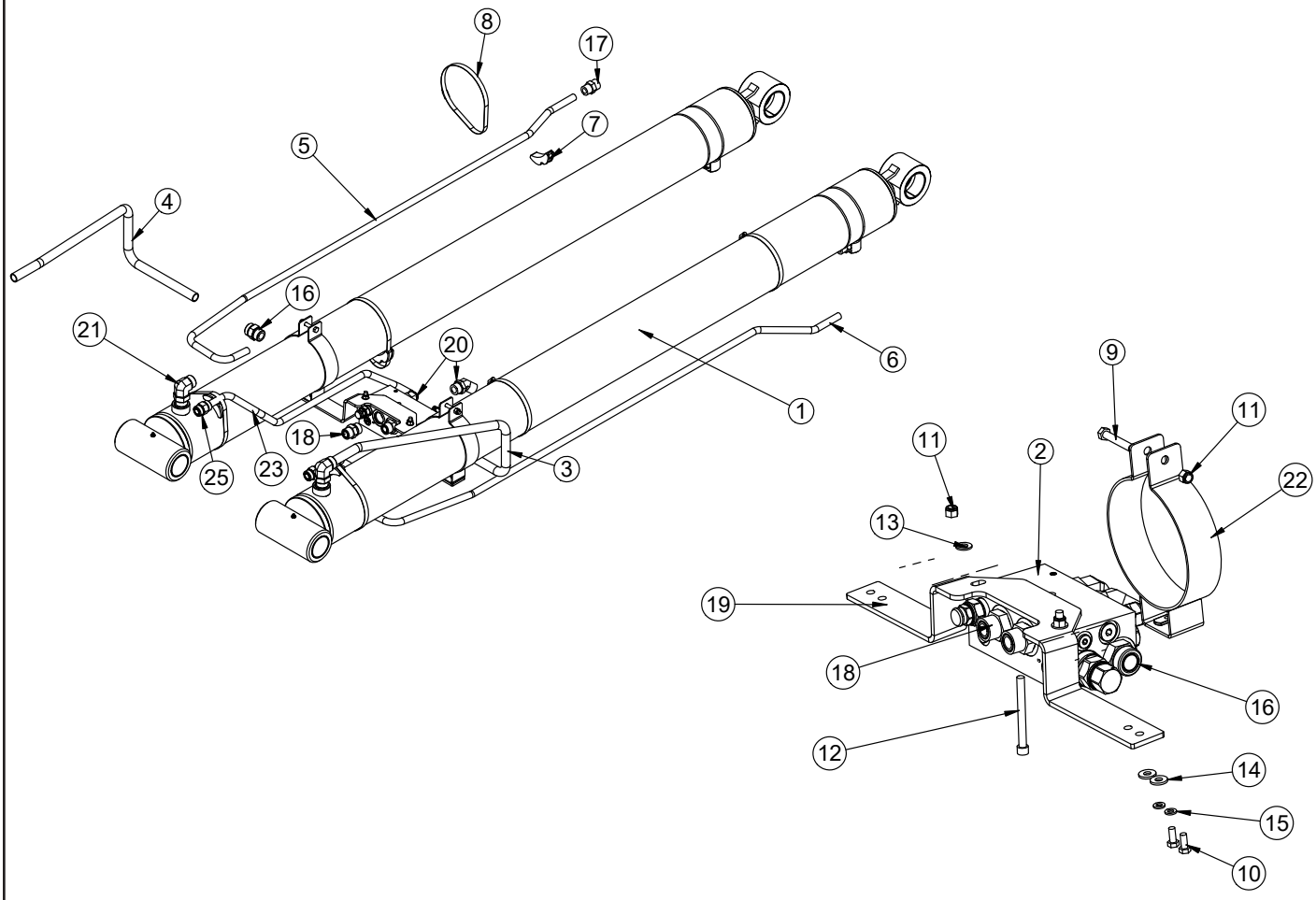


NXT40 Secondary/Dump Latch Asm - PN 129351 Parts

PN 129351			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	0108	SNAP RING 2.00 7200-200	2
2	0171	SNAP RING 1.25 ID 7200-125	2
3	0343	WASHER 0.31 USS FLAT	7
4	0356	CAP SCR 0.63-11X1.50 HHGR8	2
5	0374	MACHY WASHER 1.25ID 14GA	2
6	0377	MACHY WASHER 2.00ID 14GA	2
7	0420	CAP SCR 0.31-18X0.75 HHGR5	2
8	114019	WEAR PAD 0.50X2.50 RND NYLATRON	4
9	129352	CYLINDER ASM NXT52	1
10	129353	SECONDARY NXT52	1
11	129354	LATCH DUMP NXT52	2
12	129481	WEAR PAD 1.00IN NXT52 SECONDARY	2
13	129482	PLATE WEAR PAD COVER SEC NXT52	1
14	129483	PLATE WEAR PAD COVER NXT52	1
15	129484	PIN 1.25X16.63 SR ZP	1
16	129485CR	PIN 3.00X6.56 D&T W/HOLE ZP	2
17	1546	THRUST WASHER 2.01DIA UHMW .12THK	2
18	2227	BUSHING BPC48DXR48 3.00X3.00	2
19	24610CR	PIN 2.00X16.88 SR/D&T ZC	1
20	58052	SET SCREW 0.50-13X0.50 W/ RED PATCH	2
21	8597	PIN CAP 0.69X4.00X0.19 YZ	2
22	8819	BUSHING BPC32DXR16 2.00X1.00	2
23	C0538	NUT 0.75-10 HHGR8 NYLOC	2
24	C0922	CAP SCR 0.31-18X1.00 HHGR5	3
25	C1029	CAP SCR 0.75-10X6.00 HHGR8	2
26	C3397	SET SCREW 0.38-16X0.38 W/ RED PATCH	1
27	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	2
28	C1592	ZERK 1/8 NPT STRAIGHT	3
29	54817	SPRING 1.00ODX0.125X4.50	2
REV. INITIAL RELEASE - REQ946			

NXT40 Main Cylinder Assembly - PN 129352



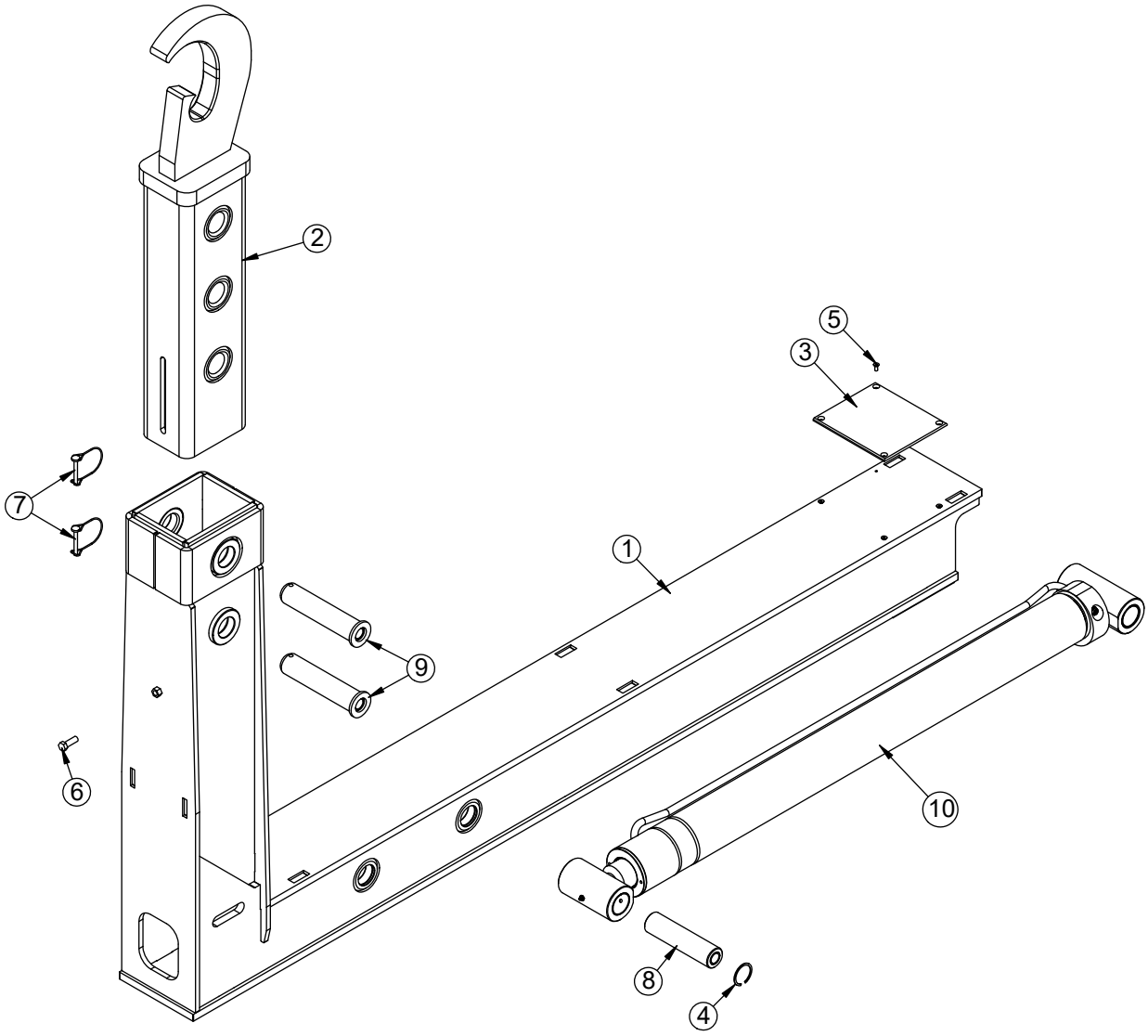


NXT40 Main Cylinder Assembly - PN 129352 Parts List

PN 129352			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	0343	WASHER 0.31 USS FLAT	4
2	0347	NUT 0.38-16 HHGR5 NYLOC	4
3	0420	CAP SCR 0.31-18X0.75 HHGR5	4
4	0522	WASHER 0.31 LOCK	4
5	105849	WLDMT BRKT CYL MOUNT SHUTTLE65	2
6	11898	CAP SCR 0.38-16X3.75 SH	2
7	127963	CYLINDER 7.00X82.00 REGEN	2
8	129550	TUBE ASM 1.00 NXT52 CS ZC	1
9	129551	TUBE ASM 1.00 NXT52 SS ZC	1
10	129552	TUBE ASM 0.75 NXT52 SS ZC	1
11	129553	TUBE ASM 0.75 NXT52 CS ZC	1
12	129554	BRKT CYL CROSSMEMBER NXT52	1
13	18701	CLAMP PORT TUBE ZR518	6
14	19370	HOSE CLAMP 5.63-8.50 5416K39	6
15	59959	FTG 16-16 MFS-MAORB 90	2
16	63180	FTG 16-16 MFS-MORB STRAIGHT	2
17	7351	FTG ST TH ELBOW 45 DEG 12V5OLO	2
18	74788	VALVE REGEN SLIDER50	1
19	C0946	CAP SCR 0.38-16X2.25 HHGR5	2
20	C2142	FTG 12-12 MFS-MORB STRAIGHT	2
21	C2269	FTG 12-16 MFS-MORB STRAIGHT	2
22	C6353	WASHER 0.38 SAE FLAT YELLOW GR8	2
23	132686	TUBE ASM 0.75 NXT52 REGEN VALVE CS ZC	1
24	132687	TUBE ASM 0.75 NXT52 REGEN VALVE SS ZC	1
25	C4864	FTG 12-12 MFS-MFS STRAIGHT	2
REV. A			

NOTE:
SEAL KIT PN 134587-BOBLEE.

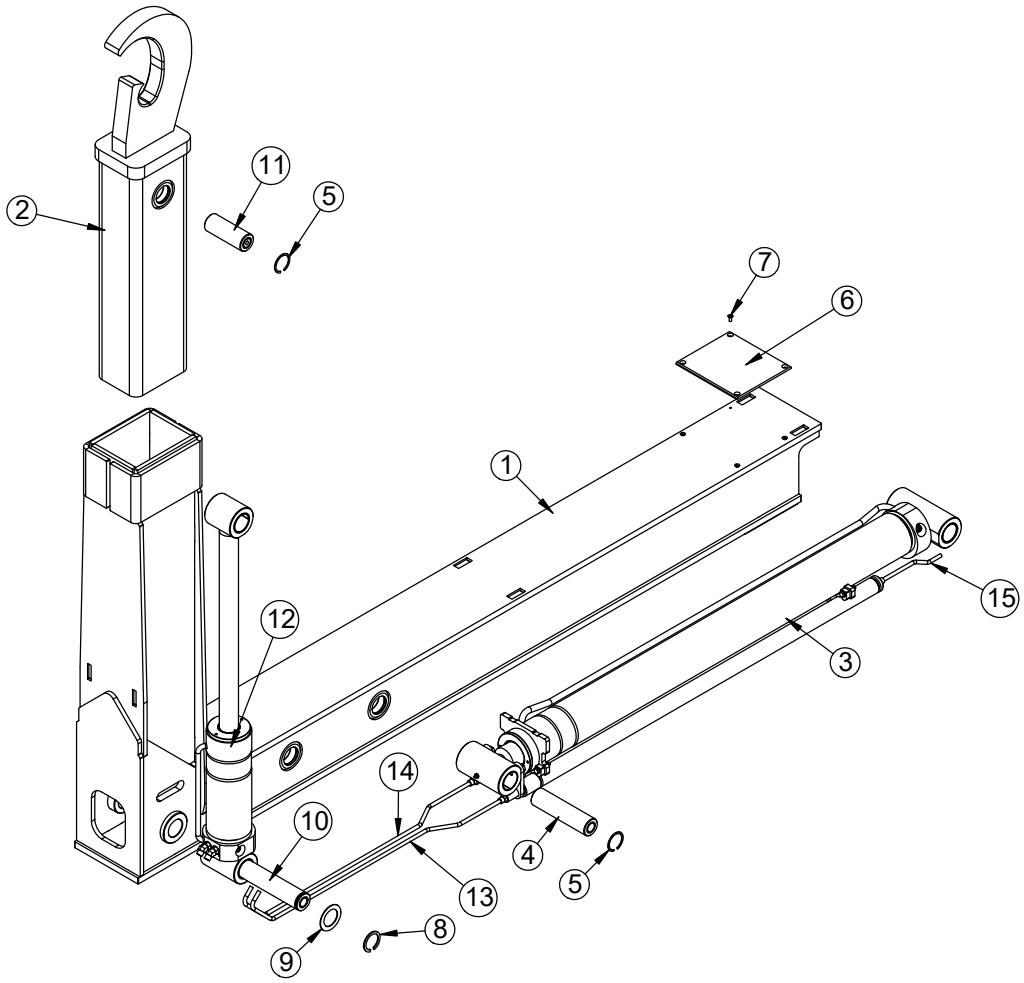
NXT40 Jib Asm 54/62HH, Manual PN 129059



NXT40 Jib Asm 54/62HH, Manual PN 129059 Parts List

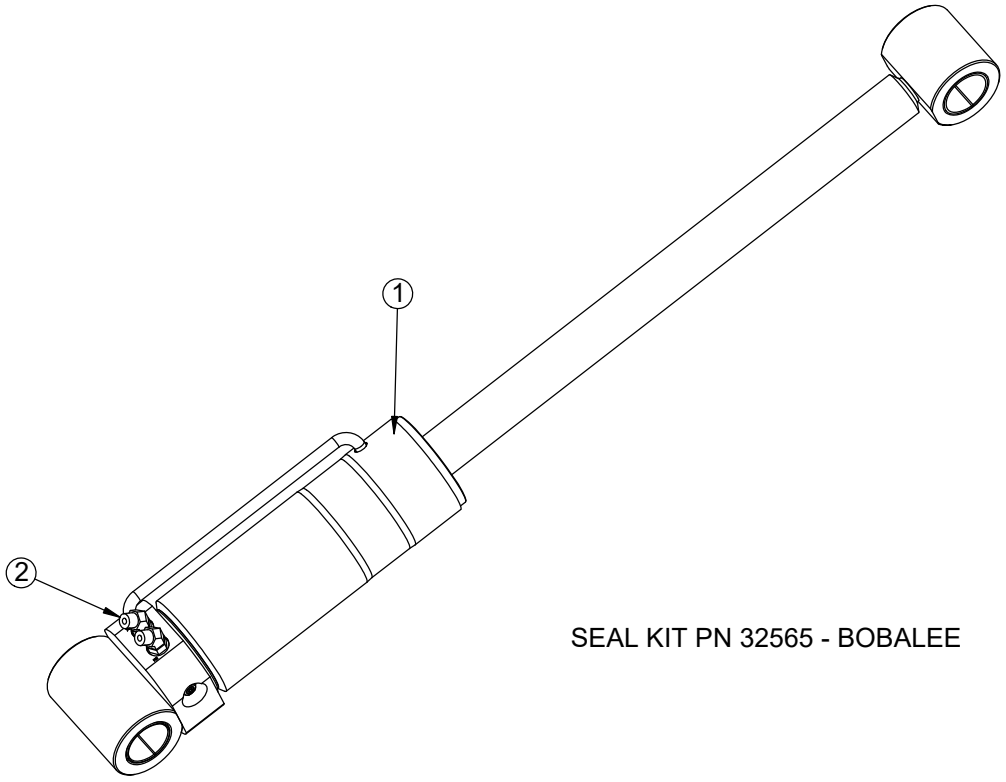
PN 129059			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129060	JIB NXT 52 MANUAL	1
2	129238	JIB TOP NXT52 MANUAL 54/62HH	1
3	129243	WEAR PAD JIB NXT52 0.25IN	2
4	2257	SNAP RING INSIDE 2.00	2
5	25741	CAP SCR 0.25-20X0.63 FHSH SS	8
6	10548	CAP SCR 0.50-13X1.50 HHGR8	1
7	45216	PIN 0.31X2.75 WIRE LOCK	2
8	131913CR	PIN 2.00X8.00 D&T ZC	1
9	129241CR	PIN WLDMT 2.00X9.19 ZC	2
10	127968	CYLINDER ASM 4.00X48.00 NXT52	1
REV. A			

NXT40 JIB ASM V2 54/62HH HYD - PN 141718



PN 141718			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129245	JIB NXT 52 HYD	1
2	129246	JIB TOP NXT52 54/62HH HYD	1
3	141279	CYLINDER ASM 4.00X48.00 NXT52 HYD V2	1
4	131913CR	PIN 2.00X7.88 D&T ZC	1
5	2257	SNAP RING INSIDE 2.00	4
6	129243	WEAR PAD JIB NXT52 0.25IN	2
7	25741	CAP SCR 0.25-20X0.63 FHSH SS	8
8	0108	SNAP RING 2.00 7200-200	2
9	0377	MACHY WASHER 2.00ID 14GA	2
10	0862CR	PIN 2.00X10.50	1
11	129349CR	PIN 2.00X5.31 ZC	1
12	141721	CYLINDER ASM 4.00X7.75 NXT52 V2	1
13	141719	TUBE ASM 0.38X33.75 NXT52 FRNT HOOK CYL ZC SS	1
14	141720	TUBE ASM 0.38X33.75 NXT52 FRNT HOOK CYL ZC CS	1
15	15173	TUBE ASM 0.38X8.00 MAIN CYL 5520 YZ	2
INITIAL RELEASE - REQ946			

NXT40 Cylinder Assembly PN 141721

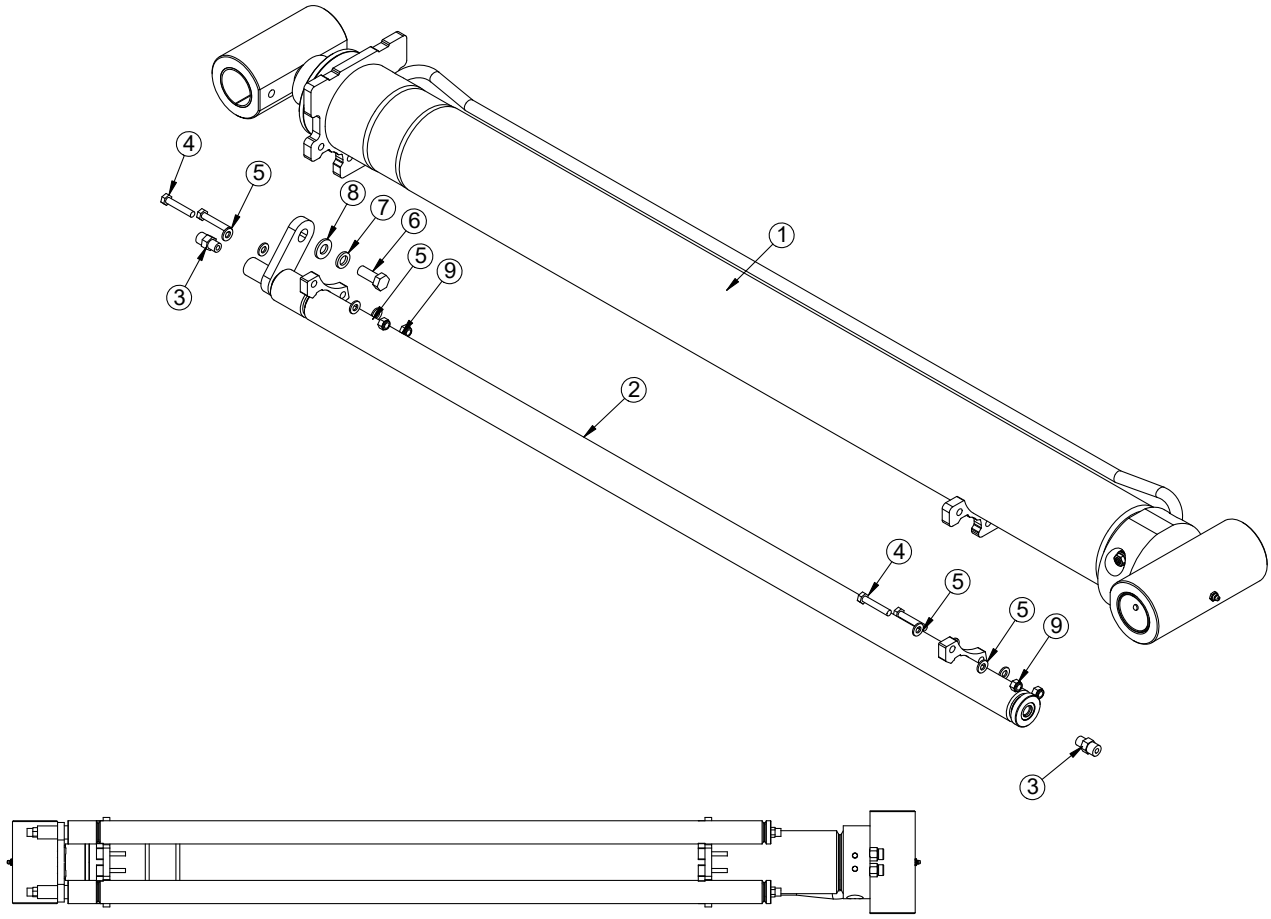


SEAL KIT PN 32565 - BOBALEE

PN 141721			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	127964	CYLINDER 4.00X7.75	1
2	D1193	FTG 6-6 MFS-MAORB 45	2
INITIAL RELEASE - REQ946			

NOTES:
SEAL KIT: 32565

NXT40 Cyl Asm 4.00 x 48.00 - PN 141279



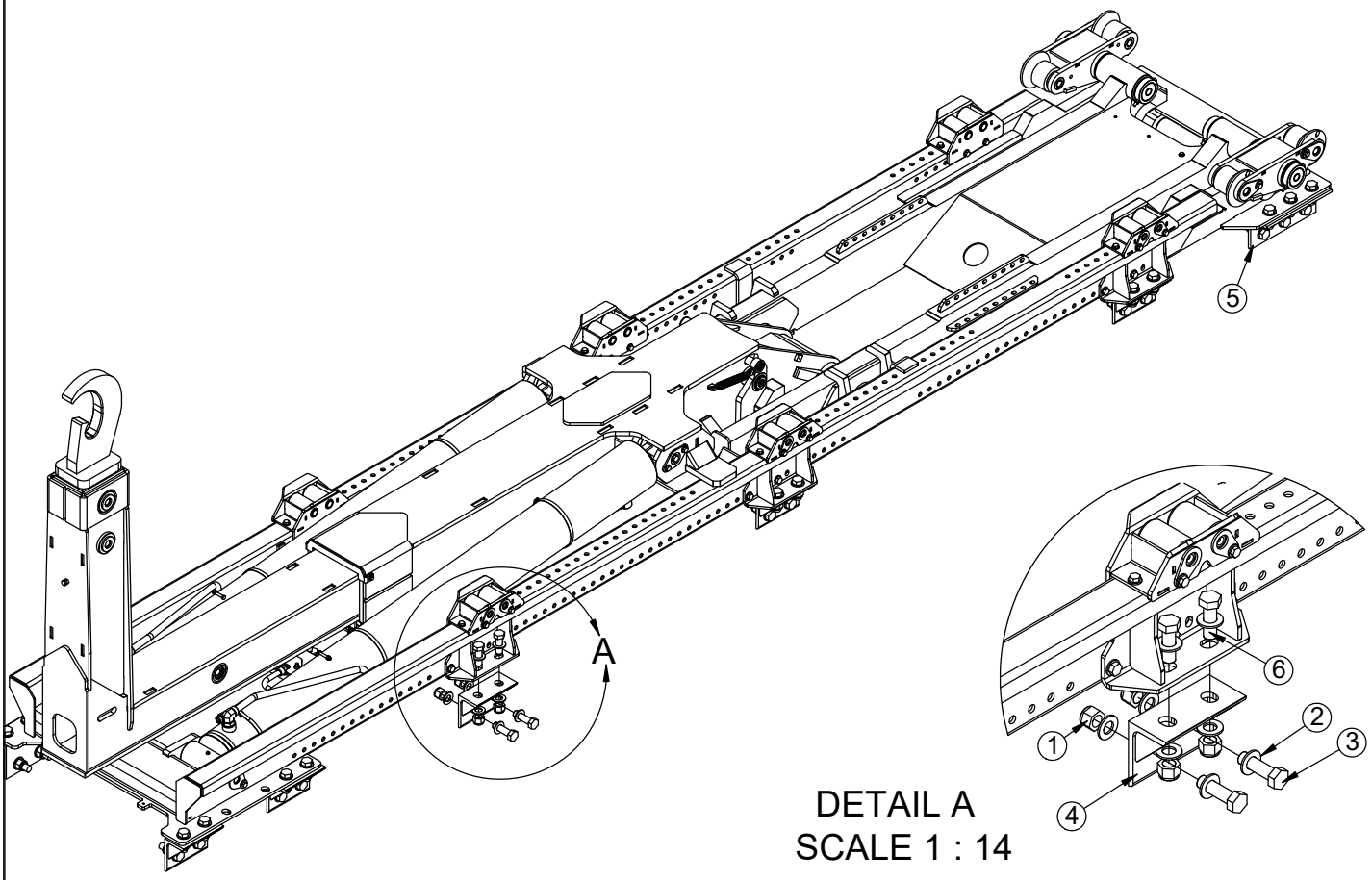
PN 141279			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129245	JIB NXT 52 HYD	1
2	129246	JIB TOP NXT52 54/62HH HYD	1
3	141279	CYLINDER ASM 4.00X48.00 NXT52 HYD V2	1
4	131913CR	PIN 2.00X7.88 D&T ZC	1
5	2257	SNAP RING INSIDE 2.00	4
6	129243	WEAR PAD JIB NXT52 0.25IN	2
7	25741	CAP SCR 0.25-20X0.63 FHSH SS	8
8	0108	SNAP RING 2.00 7200-200	2
9	0377	MACHY WASHER 2.00ID 14GA	2
10	0862CR	PIN 2.00X10.50	1
11	129349CR	PIN 2.00X5.31 ZC	1
12	141721	CYLINDER ASM 4.00X7.75 NXT52 V2	1
13	141719	TUBE ASM 0.38X33.75 NXT52 FRNT HOOK CYL ZC SS	1
14	141720	TUBE ASM 0.38X33.75 NXT52 FRNT HOOK CYL ZC CS	1
15	15173	TUBE ASM 0.38X8.00 MAIN CYL 5520 YZ	2
INITIAL RELEASE - REQ946			

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Raised Hoist Indicator Light Kit - PN 127153 Parts List 45

Mounting Kit - PN 135729

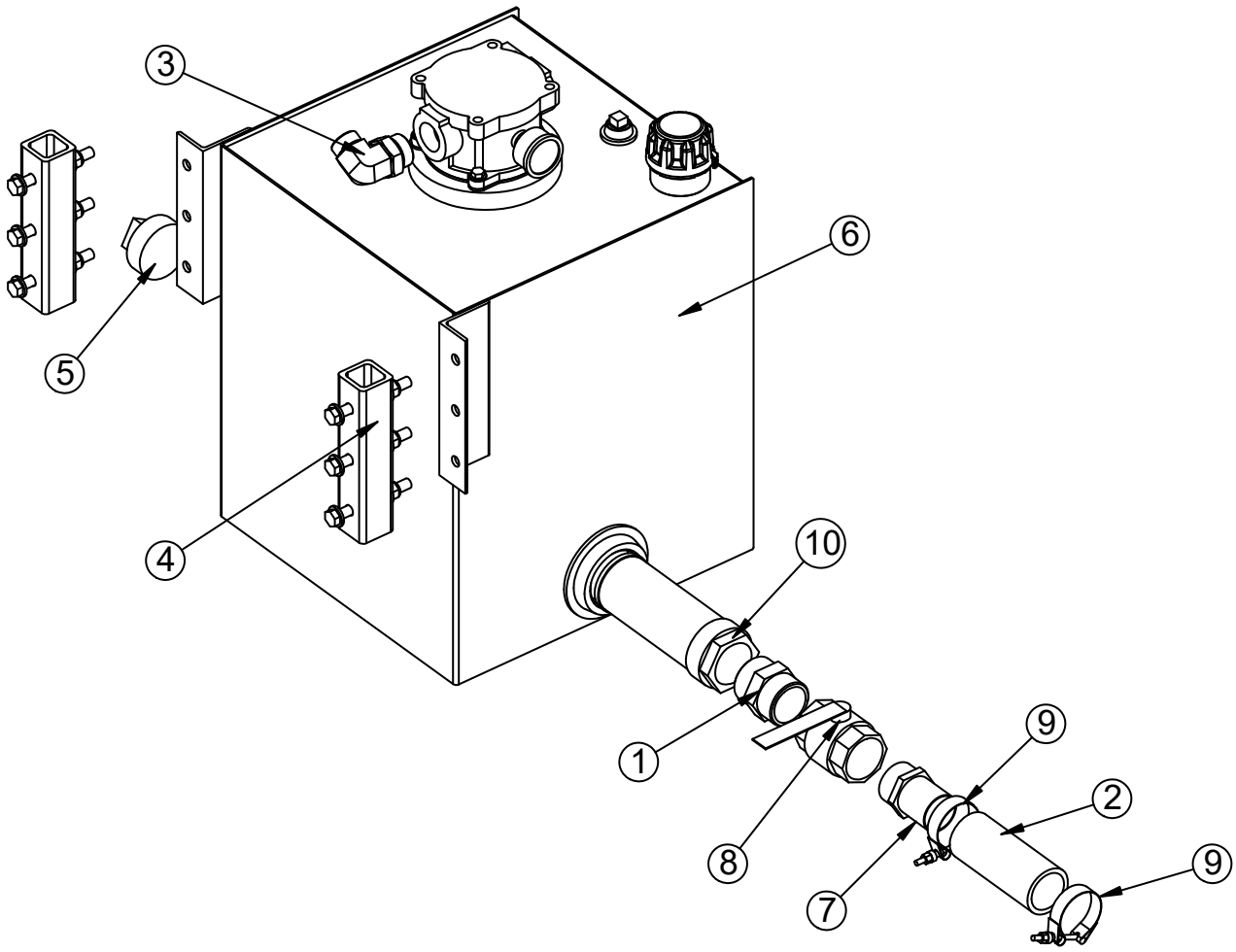


DETAIL A
SCALE 1 : 14

PN 135729			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	6538	WASHER 1.00 SAE FLAT YELLOW GR8	52
2	5199	CAP SCR 1.00-8X3.00 HHGR8	13
4	6294	NUT 1.00-8 HHGR8 NYLOC	26
5	133931	MNT WLDMNT 8.75”	10
6	135735	ANGLE FORMED 4.00X6.00X0.50X14.00 SLOTS	2
INITIAL RELEASE - REQ946			

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Reservoir Assembly - PN 130144

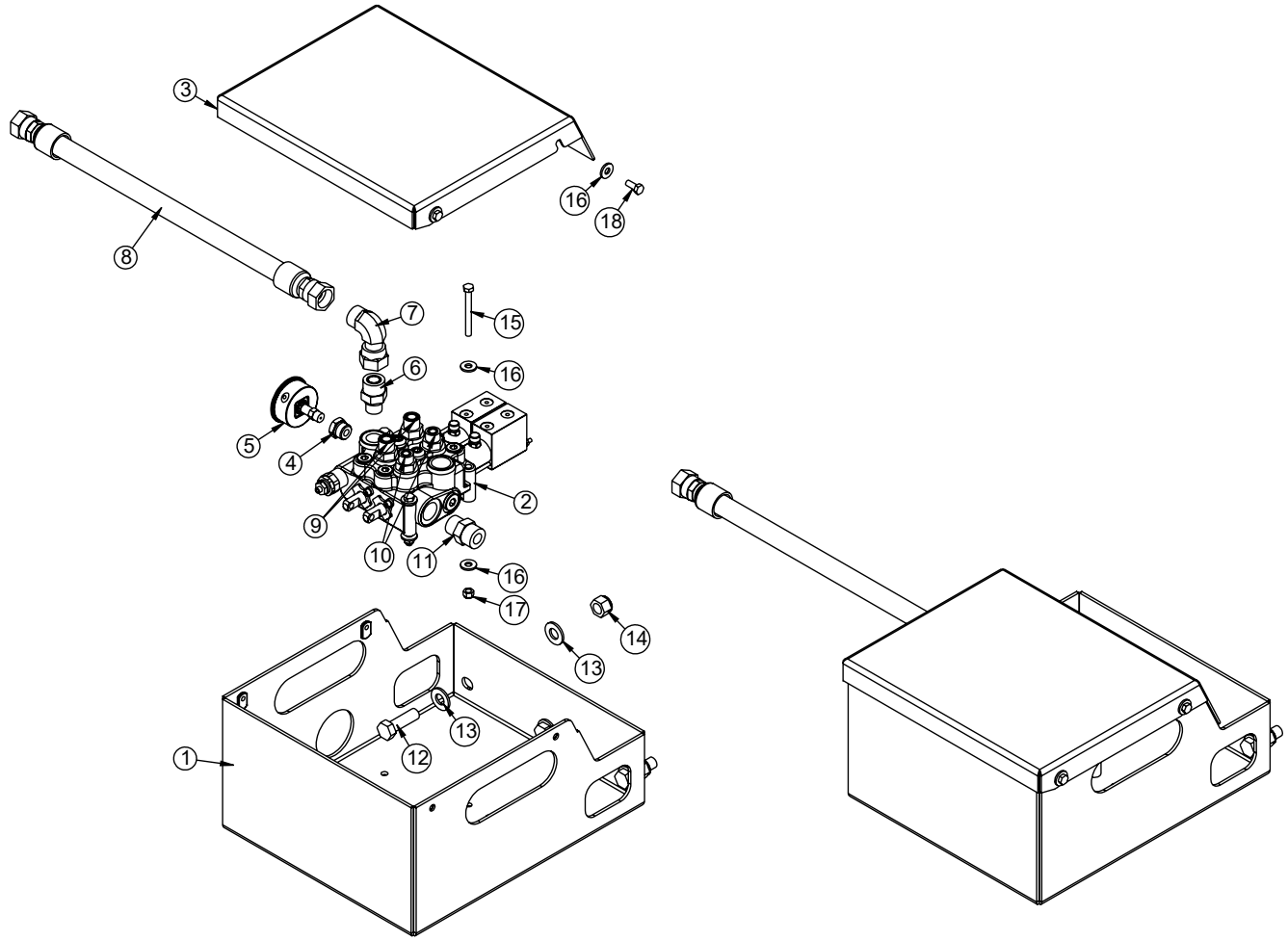


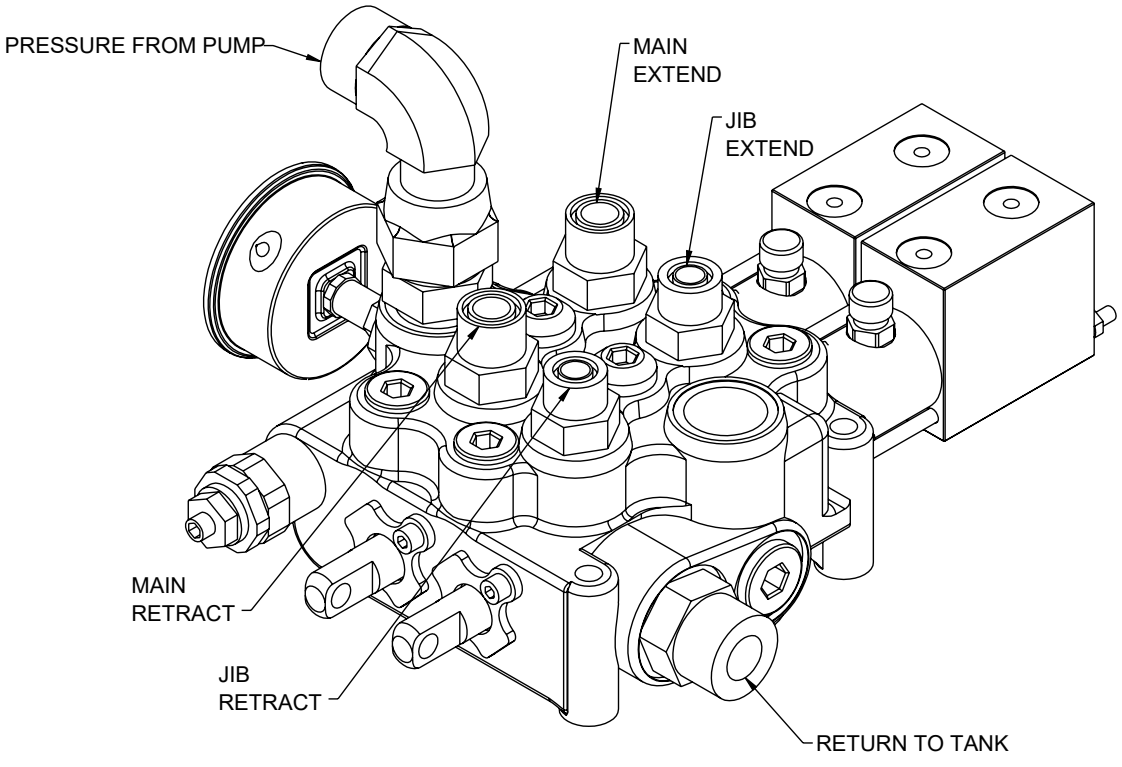
Reservoir Assembly - PN 130144 Parts List

PN 130144			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
2	17766	HOSE SUCT 2.00 10FT	1
3	60395	FTG 16-20 MFS-MAORB 90	1
4	83959	MNT KIT RSRVR 25G	1
5	5745	PLUG 3.00 NPT SQ HD CS BLK	1
6	130143	RSRVR ASM 25GAL SQUARE W/ TANK TOP FILTER	1
7	C4730	FTG 32-32 MP-HB STRAIGHT	1
8	C4750	VALVE BALL 2.00	1
9	C4819	HOSE CLAMP 2.00	2
10	C6327	FILTER STRAINER 35GAL TF-2030	1
INITIAL RELEASE			

ITEMS NOT SHOWN		
PART	**DESCRIPTION**	**QTY**
129652	HOSE 0.75 (300PSI) - 16FFSS SHORT-12FFSS 90 SHORT-48.00CL	
42971	DECAL OIL FILTER CHANGE X 1	1

Valve Bank - PN 135329

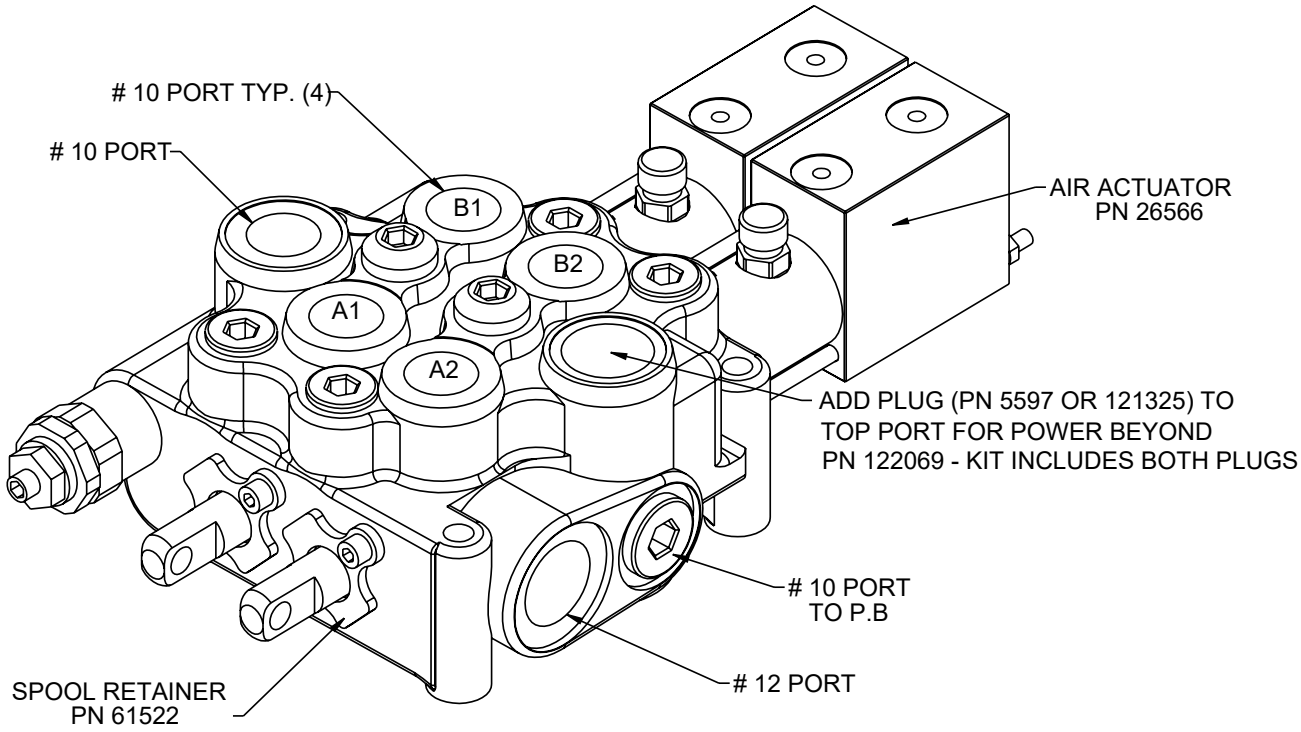




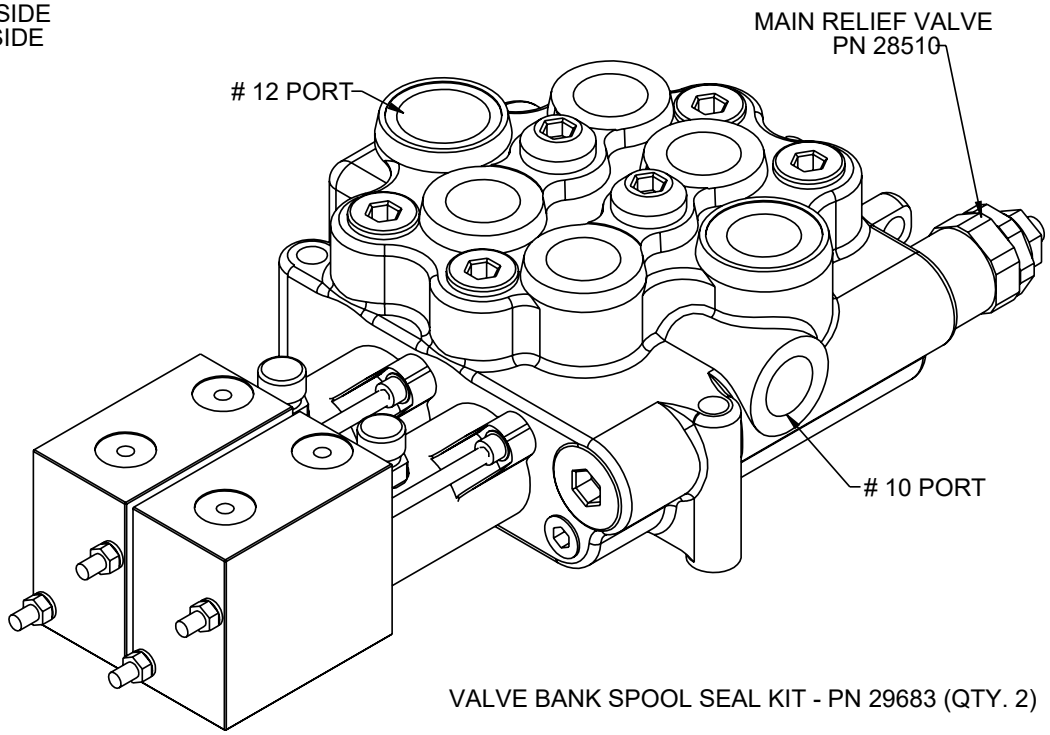
Valve Bank - PN 135329 Parts List

PN 129905			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129906	WLDMT VB MNT NXT	1
2	25940	VB 2-SECT VDM8 PAC4-PAC4-4200MRV-(1-A-B-2000-2-A-B-2500)-WLCHA-ZNCT	1
3	129908	COVER VB MNT NXT52	1
4	55833	FTG 10-4 MORB-FORB STRAIGHT REDUCER	1
5	39780	GAUGE OIL LF 2.5 0-6000 CBM SAE	1
6	D1435	FTG 12-10 MFS-MORB STRAIGHT	1
7	C4903	FTG 12-12 MFS-FFSS 90	1
8	27119	HOSE 0.75(5000PSI)-12FFSS SHORT-12FFSS SHORT-120CL	1
9	16152	FTG 10-10 MFS-MORB STRAIGHT	2
10	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
11	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
12	C1025	CAP SCR 0.63-11X2.00 HHGR8	3
13	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	6
14	24868	NUT 0.63-11 HHGR8 NYLOC	3
15	C0930	CAP SCR 0.31-18X3.00 HHGR5	3
16	0343	WASHER 0.31 USS FLAT	10
17	0342	NUT 0.31-18 HHGR5 NYLOC	3
18	0420	CAP SCR 0.31-18X0.75 HHGR5	4
REV. INITIAL RELEASE			

Valve Bank - PN 25940



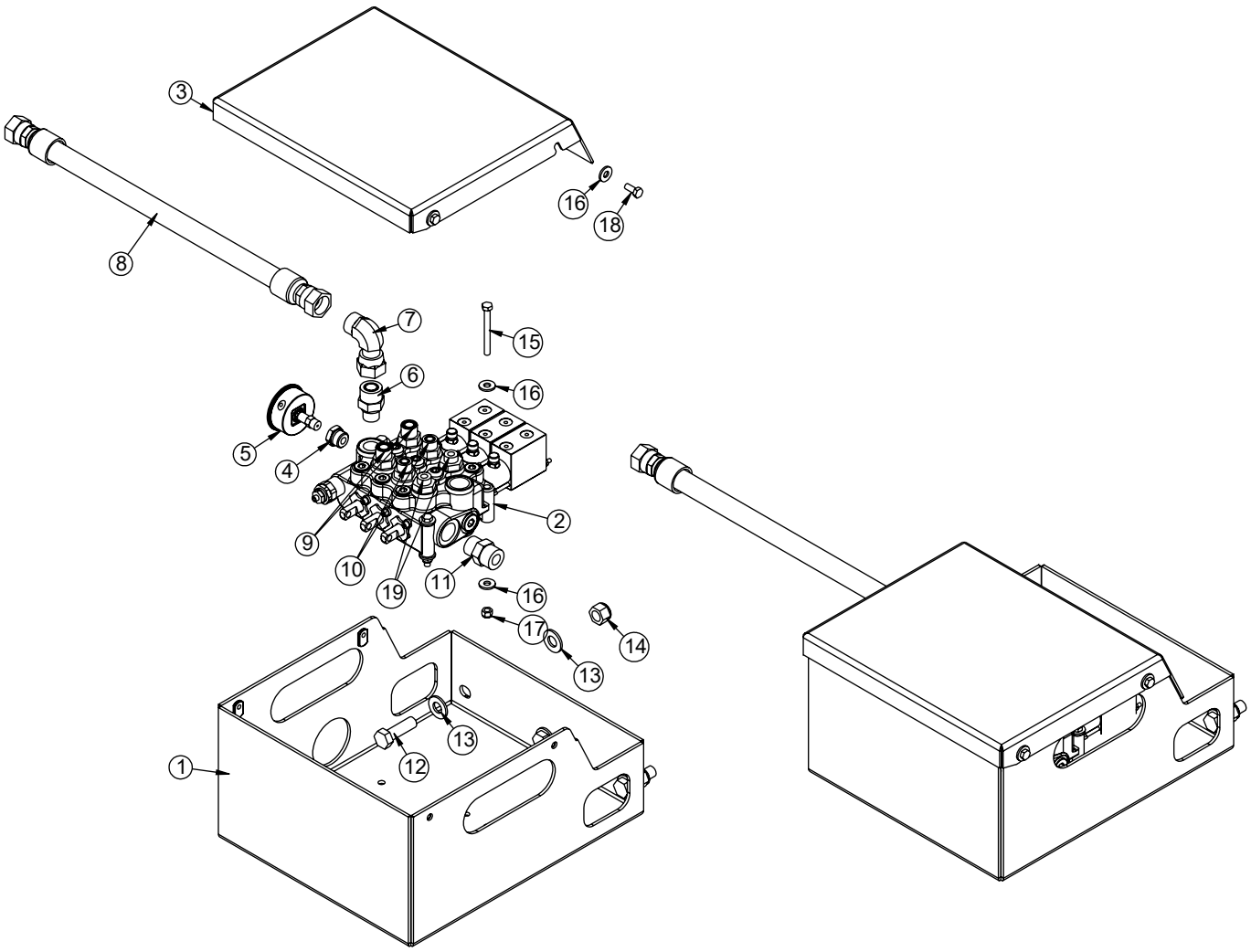
- PUSHING SPOOL ACT. A SIDE
- PULLING SPOOL ACT. B SIDE

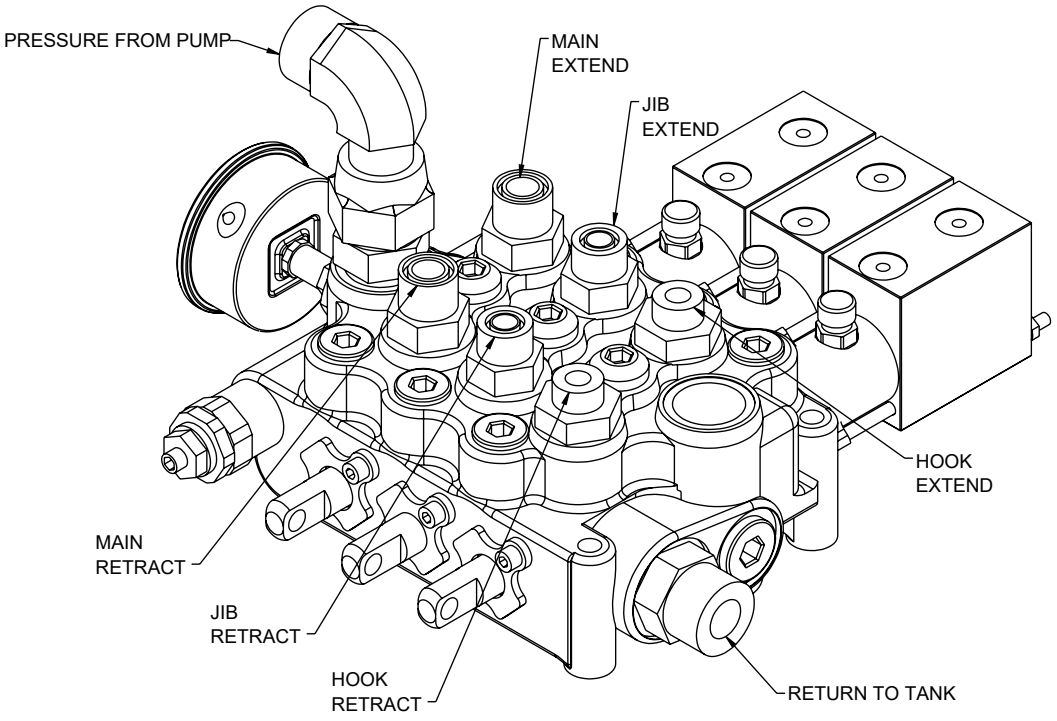


VALVE BANK SPOOL SEAL KIT - PN 29683 (QTY. 2)

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3-Section Valve Bank Assembly- PN 135330

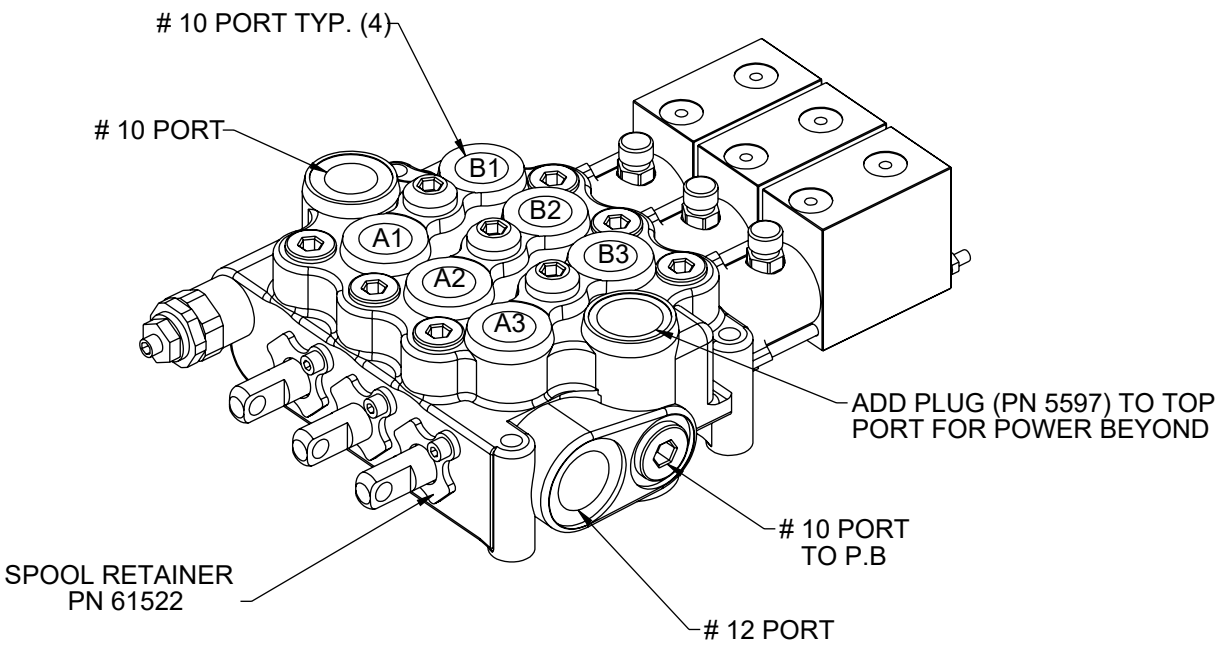




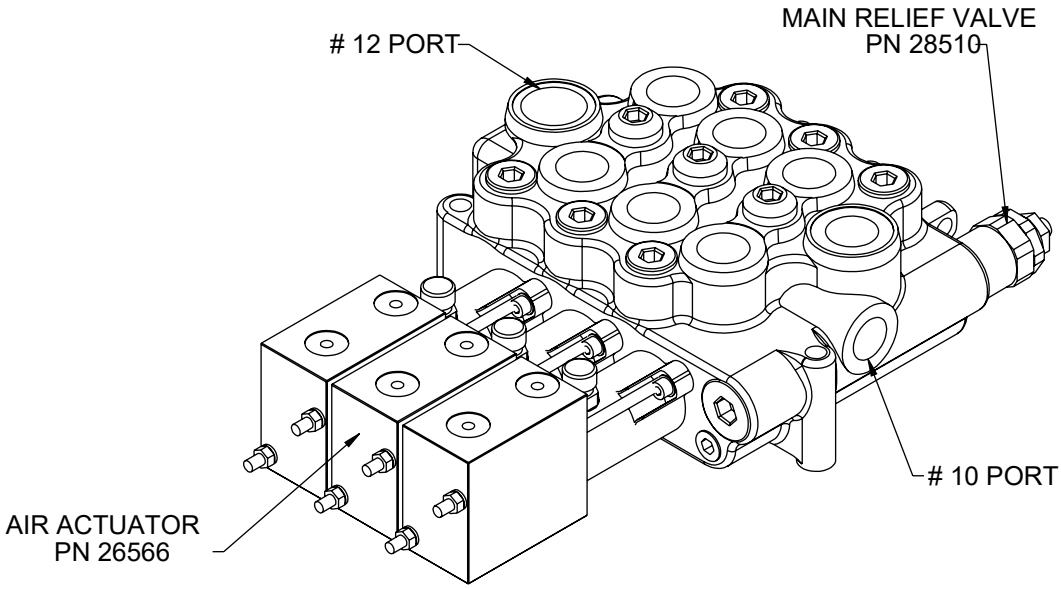
3-Section Valve Bank Assembly- PN 135330 Parts List

PN 132329			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129906	WLDMT VB MNT NXT52	1
2	47562	VB 3-SECT VDM8 C4-C4-C4-3400MRV-WCHAYE-BLK	1
3	129908	COVER VB MNT NXT52	1
4	55833	FTG 10-4 MORB-FORB STRAIGHT REDUCER	1
5	39780	GAUGE OIL LF 2.5 0-6000 CBM SAE	1
6	D1435	FTG 12-10 MFS-MORB STRAIGHT	1
7	C4903	FTG 12-12 MFS-FFSS 90	1
8	27119	HOSE 0.75(5000PSI)-12FFSS SHORT-12FFSS SHORT-120CL	1
9	16152	FTG 10-10 MFS-MORB STRAIGHT	2
10	C2252	FTG 8-10 MFS-MORB STRAIGHT	2
11	C2142	FTG 12-12 MFS-MORB STRAIGHT	1
12	C1025	CAP SCR 0.63-11X2.00 HHGR8	3
13	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	6
14	24868	NUT 0.63-11 HHGR8 NYLOC	3
15	C0930	CAP SCR 0.31-18X3.00 HHGR5	3
16	0343	WASHER 0.31 USS FLAT	10
17	0342	NUT 0.31-18 HHGR5 NYLOC	3
18	0420	CAP SCR 0.31-18X0.75 HHGR5	4
19	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
REV. INITIAL RELEASE			

3-Sect Valve Bank Asm w Port Relief - PN 47562

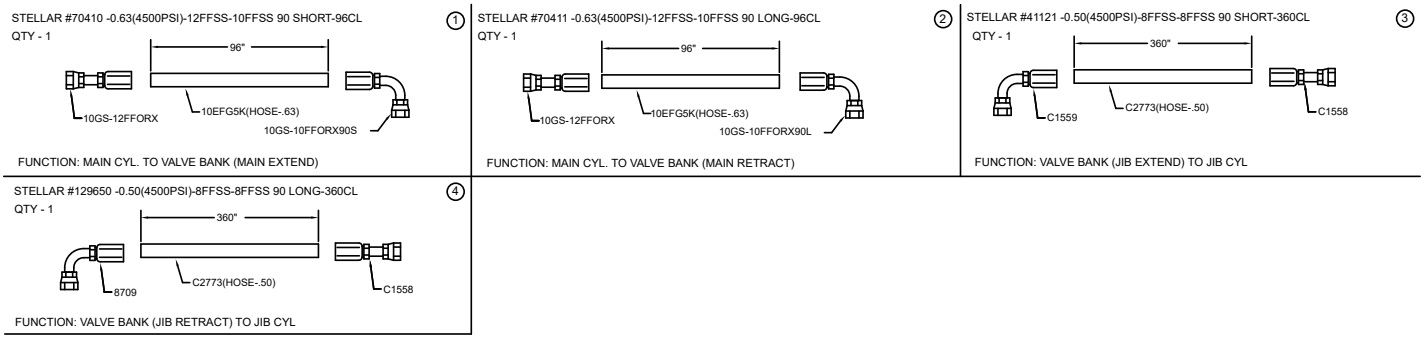


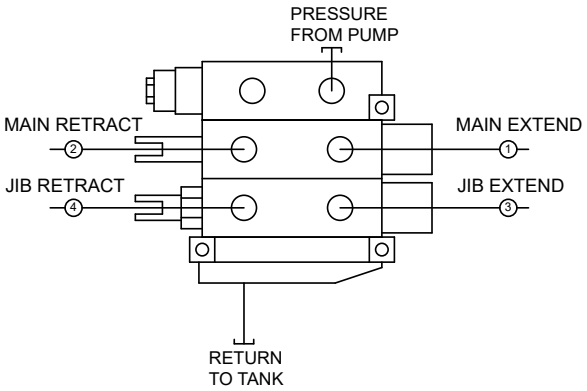
- PUSHING SPOOL ACT. A SIDE
- PULLING SPOOL ACT. B SIDE

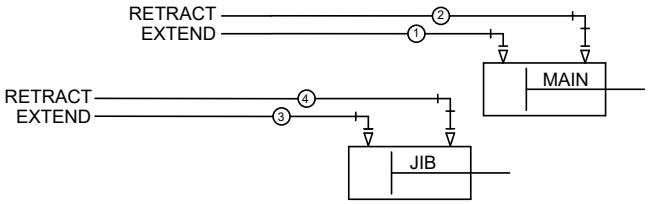


VALVE BANK SPOOL SEAL KIT - PN 29683 (QTY. 3)

Hose Kit - PN 129649



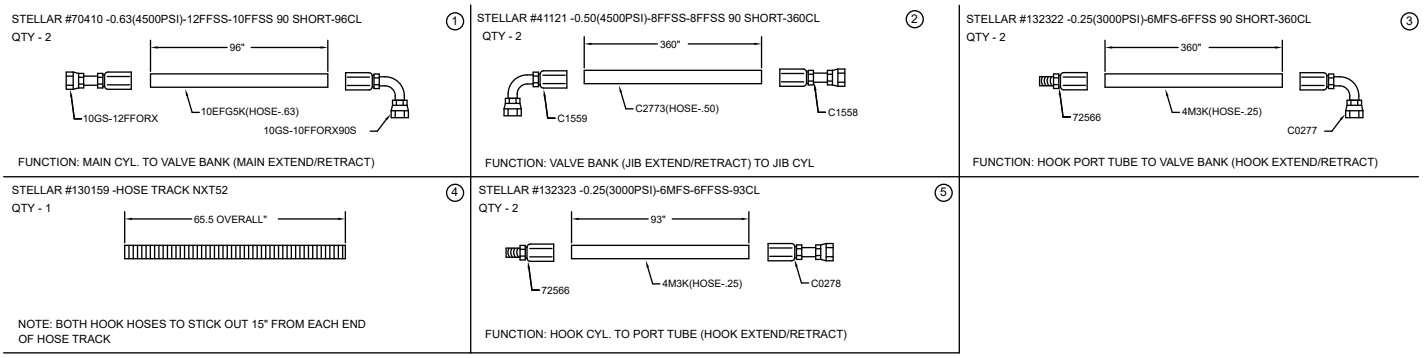


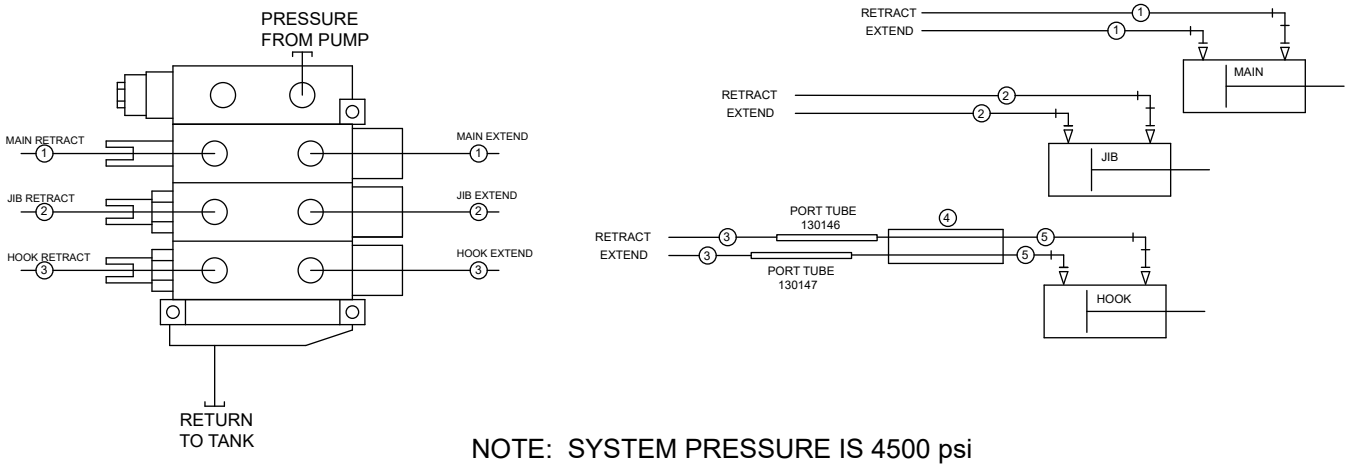


NOTE: SYSTEM PRESSURE IS 4500 psi

PN 129649			
ITEM	**PART**	**DESCRIPTION**	**QTY**
01	70410	HOSE 0.63(4500PSI)-12FFSS-10FFSS 90 SHORT-96CL	2
02	41121	HOSE 0.50(4500PSI)-8FFSS-8FFSS 90 SHORT -360CL	2
REV. A			

3-Section Hose Kit - PN 132321



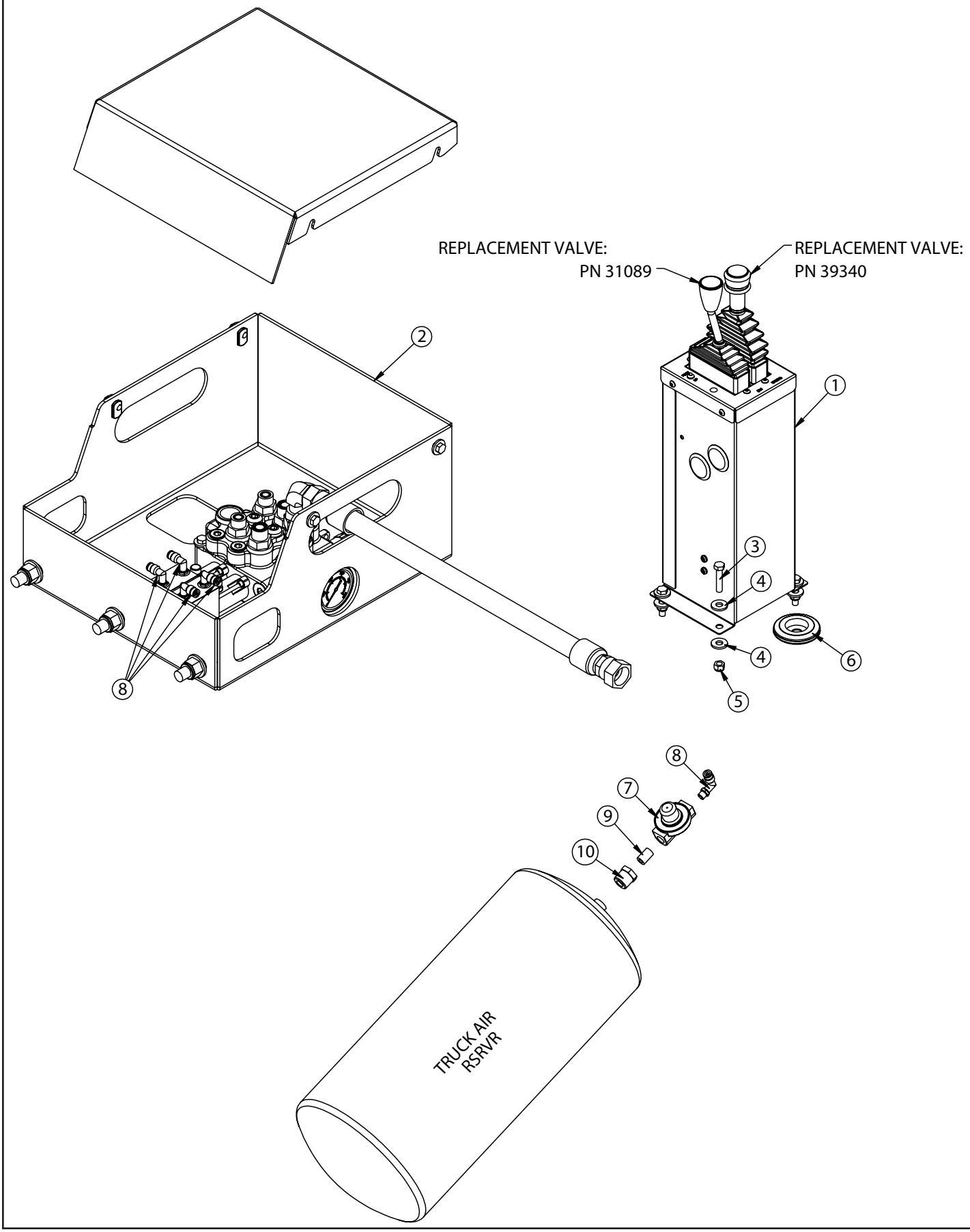


NOTE: SYSTEM PRESSURE IS 4500 psi

PN 132321			
ITEM	**PART**	**DESCRIPTION**	**QTY**
01	70410	HOSE 0.63(4500PSI)-12FFSS-10FFSS 90 SHORT-96CL	2
02	41121	HOSE 0.50(4500PSI)-8FFSS-8FFSS 90 SHORT-360CL	2
03	132322	HOSE 0.25(3000PSI)-6MFS-6FFSS 90 SHORT-360CL	2
04	130159	HOSE TRACK NXT52	1
05	132323	HOSE 0.25(3000PSI)-6MFS-6FFSS-93CL	2
REV. INITIAL RELEASE			

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Controller Asm, 2-Sect w/VB Asm PN 135331



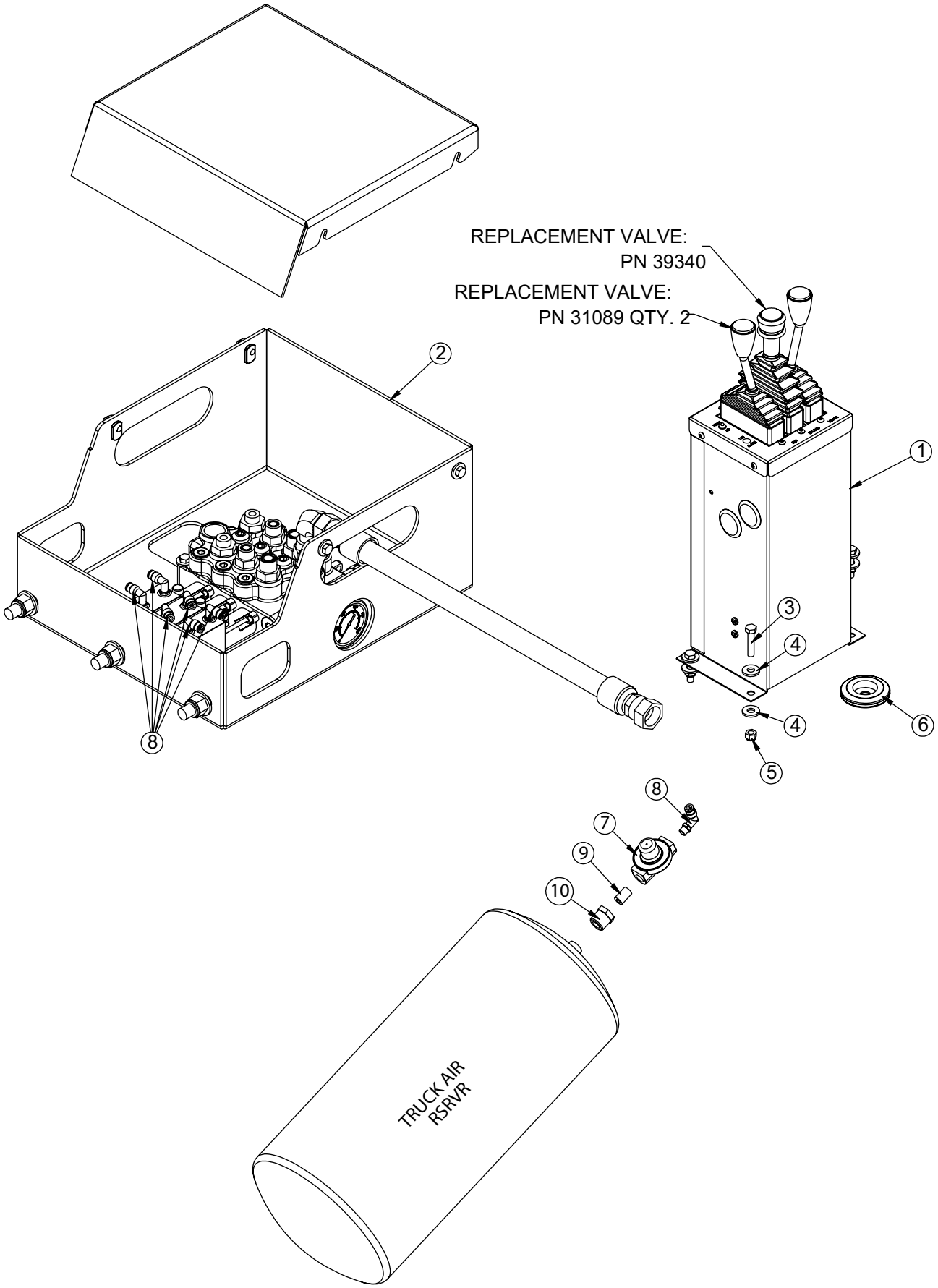
Controller Asm, 2-Sect w/VB Asm PN 135331 Parts List

PN 135331			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	131279	CONTROLLER ASM AIR 2 SECT NXT52	1
2	135329	VB ASM 2S VDM8 NXT40	1
3	0486	CAP SCR 0.31-18X1.50 HHGR5	4
4	0343	WASHER 0.31 USS FLAT	8
5	0342	NUT 0.31-18 HHGR5 NYLOC	4
6	16948	GROMMET 2.50ODX1.50GDX0.13X0.56ID	1
7	35211	PTO AIR REGULATOR 378414	1
8	45687	FTG 4-2 MP-PTC 90 BRASS 1169X4S	5
9	C5934	FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK	1
10	C1065	BUSHING 0.50X0.25 BLK	1
REV. INITIAL RELEASE			

ITEMS NOT SHOWN		
PART	**DESCIPTION**	**QTY**
132702	ELECTRICAL KIT AIR NXT 52	
132688	AIR SCHEM CONTROL TOWER ASM NXT52	

NOTES:
ITEMS 3-10 INCLUDED WITH 131279.

Controller Asm, 3-Sect w VB Asm PN 135332



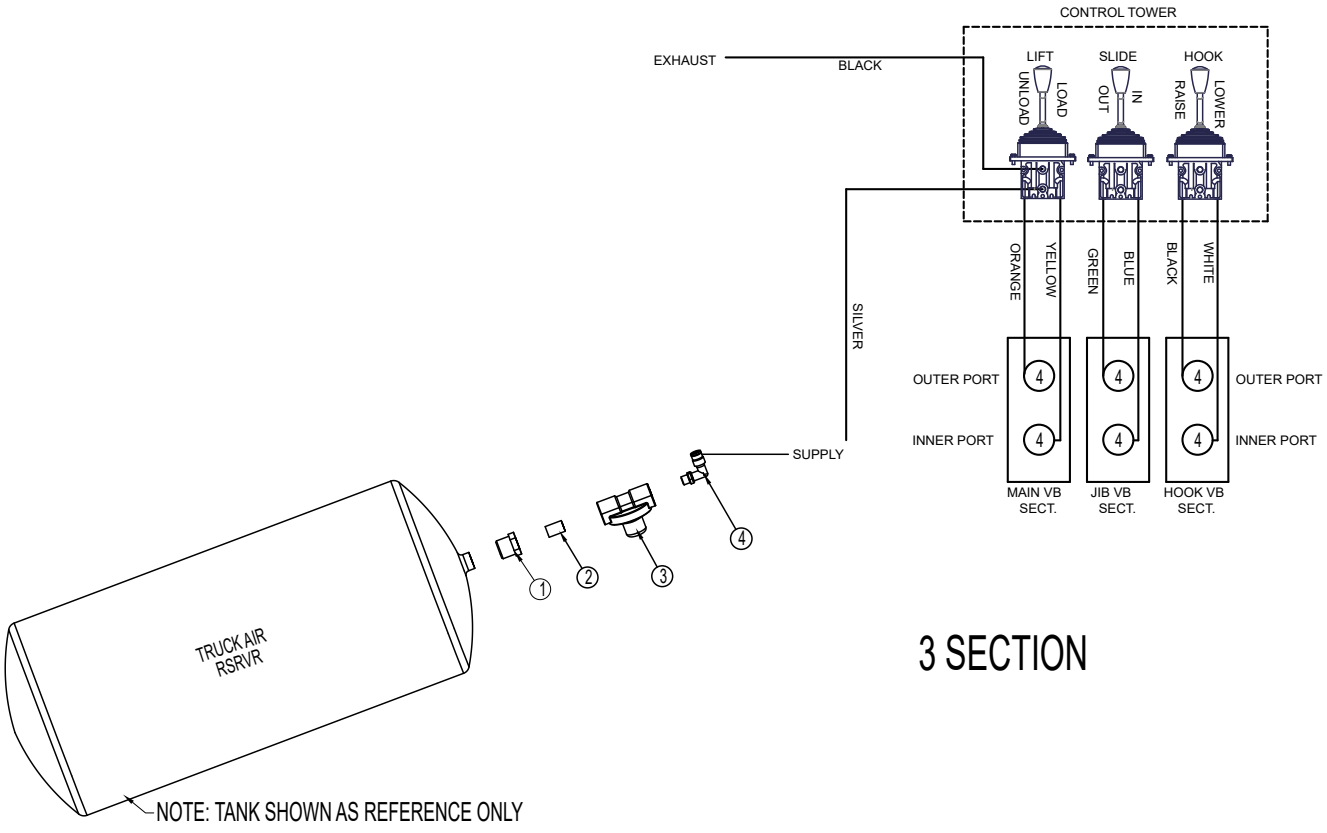
Controller Asm, 3-Sect w VB Asm PN 135332 Parts List

PN 131705			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	131707	CONTROLLER ASM AIR 3 SECT NXT52	1
2	135330	VB ASM 3S VDM8 NXT40	1
3	0486	CAP SCR 0.31-18X1.50 HHGR5	4
4	0343	WASHER 0.31 USS FLAT	8
5	0342	NUT 0.31-18 HHGR5 NYLOC	4
6	16948	GROMMET 2.50ODX1.50GDX0.13X0.56ID	1
7	35211	PTO AIR REGULATOR 378414	1
8	45687	FTG 4-2 MP-PTC 90 BRASS 1169X4S	7
9	C5934	FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK	1
10	C1065	BUSHING 0.50X0.25 BLK	1
REV. INITIAL RELEASE			

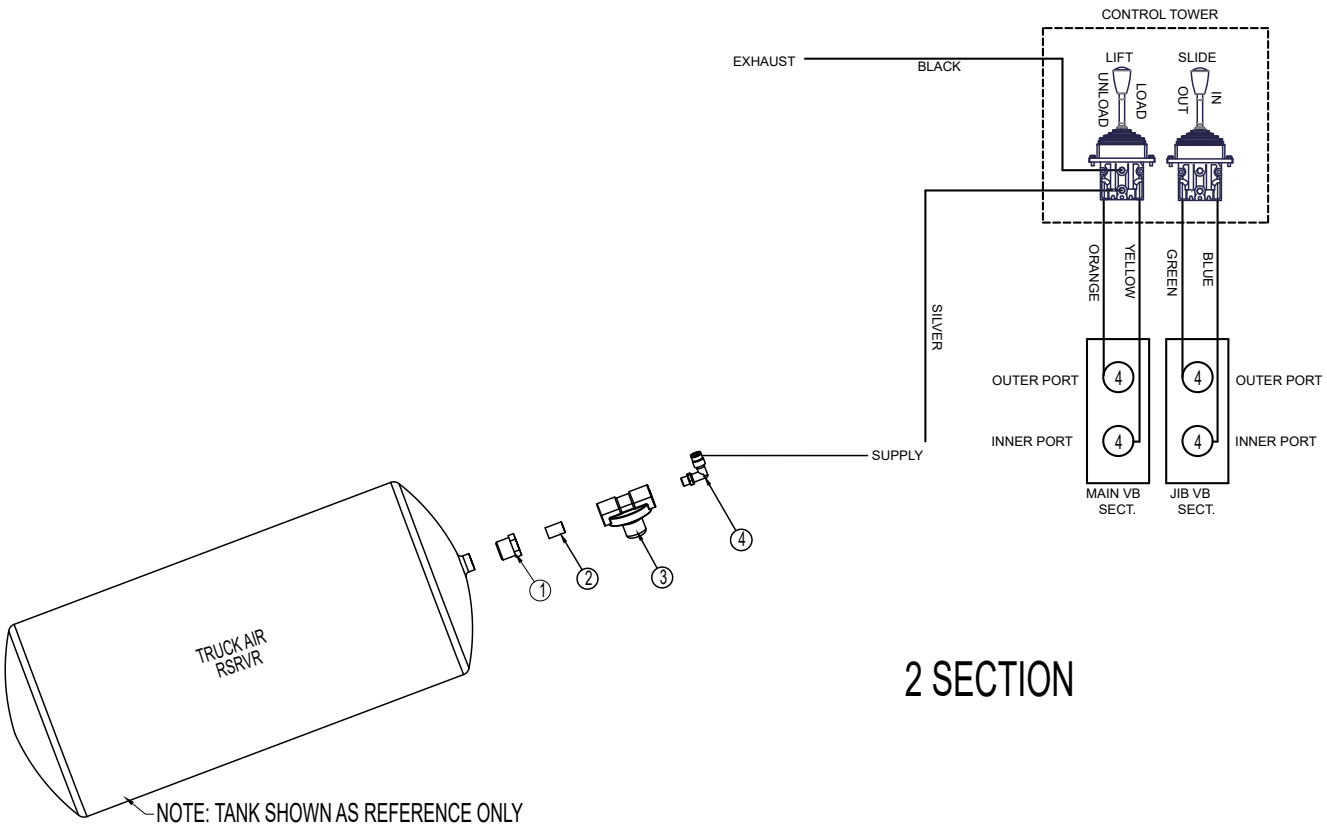
ITEMS NOT SHOWN		
PART	**DESCRIPTION**	**QTY**
132702	ELECTRICAL KIT AIR NXT 52	1
132688	AIR SCHEM CONTROL TOWER ASM NXT52	1

NOTE:
ITEMS 3-10 INCLUDED WITH 131707.

Air Schematic Control Tower Asm PN 132688



3 SECTION



2 SECTION

Air Schematic Control Tower Asm PN 132688 Parts List

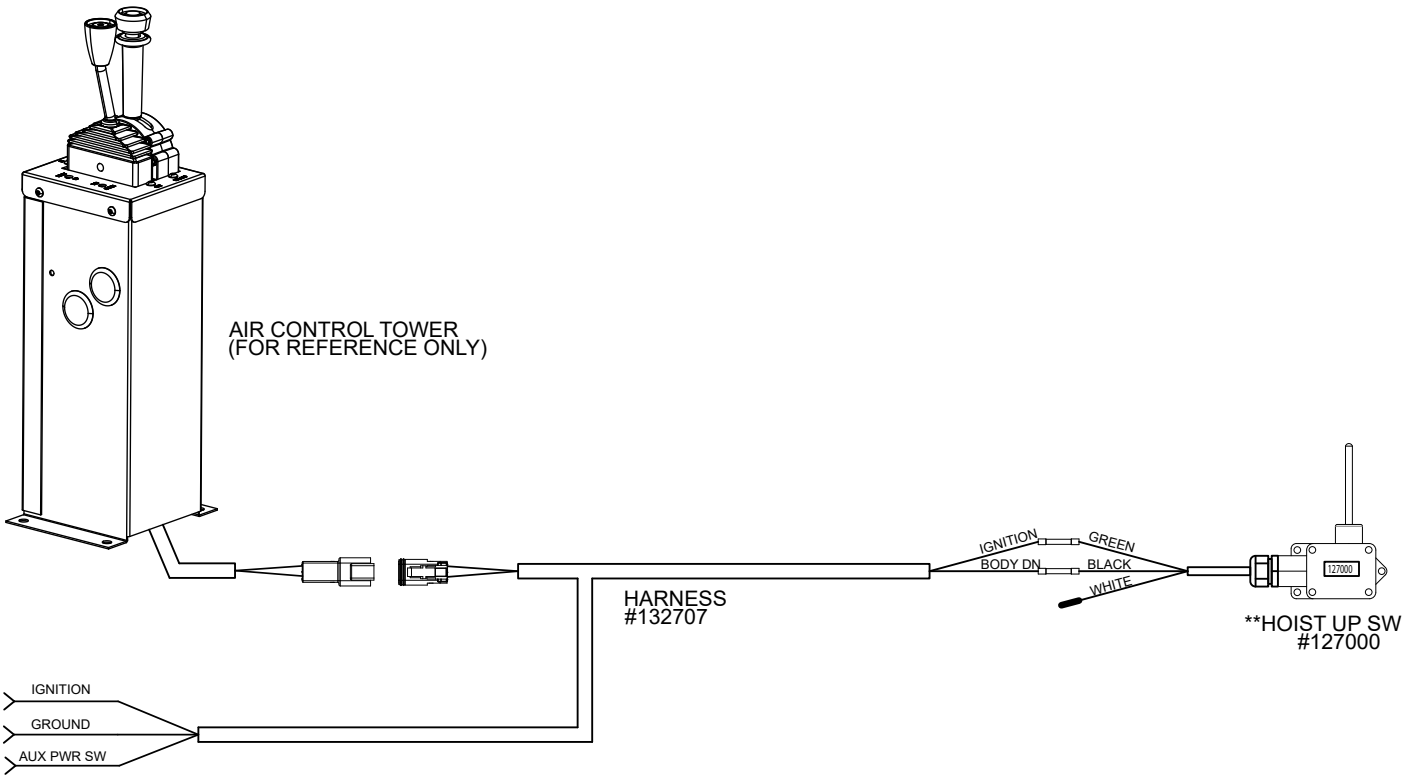
3-SECTION PN 132688			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	C1065	BUSHING 0.50X0.25 BLK	1
2	C5934	FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK	1
3	35211	PTO AIR REGULATOR 378414	1
4	45687	FTG 4-2 MP-PTC 90 BRASS 1169X4S1	7

TUBING COLOR CODE	
COLOR	**APPLICATION**
SILVER	SUPPLY
BLACK	EXHAUST
GREEN	SLIDE OUT
BLUE	SLIDE IN
ORANGE	LIFT UNLOAD
YELLOW	LIFT LOAD
WHITE	HOOK LOWER
BLACK	HOOK RAISE

2-SECTION PN 132688			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	C1065	BUSHING 0.50X0.25 BLK	1
2	C5934	FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK	1
3	35211	PTO AIR REGULATOR 378414	1
4	45687	FTG 4-2 MP-PTC 90 BRASS 1169X4S1	7

TUBING COLOR CODE	
COLOR	**APPLICATION**
SILVER	SUPPLY
BLACK	EXHAUST
GREEN	SLIDE OUT
BLUE	SLIDE IN
ORANGE	LIFT UNLOAD
YELLOW	LIFT LOAD

Electrical Schematic PN 132702

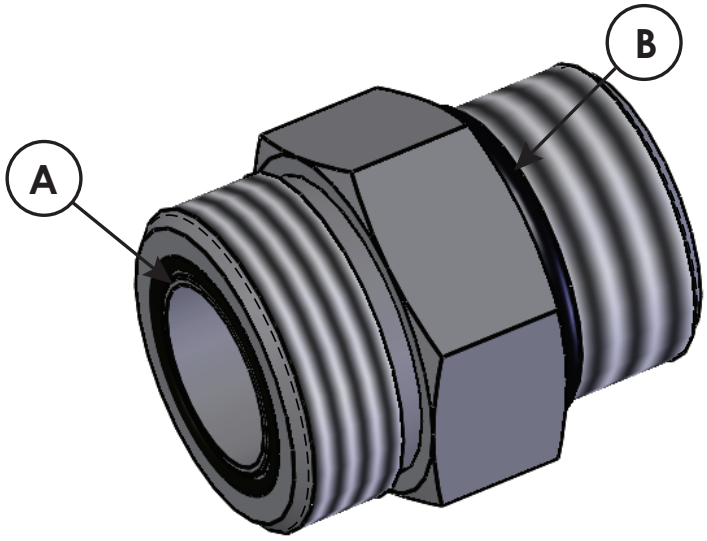


PN 132702		
PART	**DESCRIPTION**	**QTY**
132707	WIRE HRNS CHASSIS EXT NXT 52	1
127153	KIT RAISED HOIST INDICATOR LIGHT NXT	1
C0073	TERML BUTT 16-14GA HS BLUE	3

NOTES:
*** HOIST UP SWITCH IS PART OF KIT # 127153.**
**** AIR CONTROL TOWER IS PART OF CONTROLLER ASSEMBLY.**

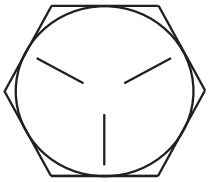
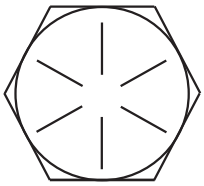
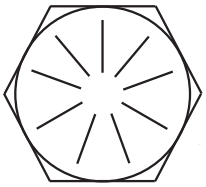
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Face Seal / O-Ring Size Chart



HOSE SIZE	FITTING SIZE	FACE SEAL (A) STELLAR PART NUMBER	O-RING BOSS (B) STELLAR PART NUMBER
1/4”	#4	C2027	D1245
3/8”	#6	C2028	D1246
1/2”	#8	C2029	D1247
5/8”	#10	32223	D1248
3/4”	#12	D1244	D1249
1”	#16		D1250

Torque Data Chart

		GRADE 5		GRADE 8		GRADE 9
						
SIZE (DIA - TPI)	**BOLT DIA (INCHES)**	**PLAIN (FT-LB)**	**PLATED (FT-LB)**	**PLAIN (FT-LB)**	**PLATED (FT-LB)**	**PLATED (FT-LB)**
5/16-18	0.3125	17	13	25	18	22
3/8-16	0.3750	31	23	44	33	39
7/16-14	0.4375	49	37	70	52	63
1/2-13	0.5000	75	57	105	80	96
9/16-12	0.5625	110	82	155	115	139
5/8-11	0.6250	150	115	220	160	192
3/4-10	0.7500	265	200	375	280	340
7/8-9	0.8750	395	295	605	455	549
1-8	1.000	590	445	910	680	823
1 1/8-7	1.1250	795	595	1290	965	1167
1 1/4-7	1.2500	1120	840	1815	1360	1646
1 3/8-6	1.3750	1470	1100	2380	1780	2158
1 1/2-6	1.500	1950	1460	3160	2370	2865

Torquing Information & Warnings

⚠WARNING **When using the torque data in the chart, the following rules should be observed:**

- **Bolt manufacturer's** particular specifications should be consulted when provided.
- **Flat washers** of equal strength must be used.
- **All torque measurements** are given in foot-pounds. To convert to inch-pounds, multiply by 12.
- **Torque values** specified are for bolts with residual oils or no special lubricants* applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.
- **Torque values** for socket-head capscrews are the same as for Grade 8 capscrews.
- **Do not use these values** if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.
- **Sheer bolts** are designed to fail under predetermined loads. Always replace shear bolts with identical grade.
- **Fasteners** should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.
- **Tighten** plastic insert or crimped steel-type lock nuts to approximately 110 percent of the dry torque values shown in the chart on page 8, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

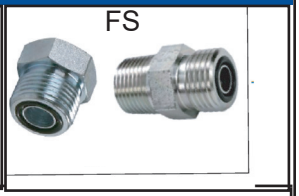
NOTICE ****Lubricated means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without lubrication. Tighten lubricated bolts to approximately 80% of dry bolts.***

Fittings

Flat Face O-Ring Seal - FFORX

HOSE FITTING ONLY





SIZE	THREAD SIZE	FT-LB TORQUE
-4	9/16-18 UNF	21
-5	5/8-18 UNF	25
-6	11/16-16 UN	40
-8	13/16-16 UN	46
-10	1-14 UNS	50
-12	1-3/16-12 UN	75
-16	1-7/16-12 UN	104
-20	1-11/16-12 UN	141
-24	2-12 UN	166
-32	2-1/2-12 UN	423

SAE 37º JIC

HOSE FITTING & FEMALE SWIVEL FITTINGS





SIZE	THREAD SIZE	FT-LB TORQUE
-2	5/16-24 UNF	7
-3	3/8-24UNF	9
-4	9/16-18 UNF	13
-5	5/8-18 UNF	16
-6	11/16-16 UN	20
-8	13/16-16 UN	41
-10	1-14 UNS	64
-12	1-3/16-12 UN	89
-16	1-7/16-12 UN	122
-20	1-11/16-12 UN	143
-24	2-12 UN	178
-32	2-1/2-12 UN	275

Fittings - Continued

O-Ring Boss

HYDRAULIC FITTING ONLY





-SIZE	THREAD SIZE	FT-LB TORQUE	
		ORB	AORB
-4	7/16-20 UNF	15	23
-6	9/16-18 UNF	24	32
-8	3/4-16 UNF	40	55
-10	7/8-14 UNF	61	76
-12	1-1/16-12 UN	101	116
-16	1-5/16-12 UN	120	119
-20	1/5/8-12 UN	125	125
-24	1-7/8-12 UN	140	140
-32	2-1/2-12 UN	157	157

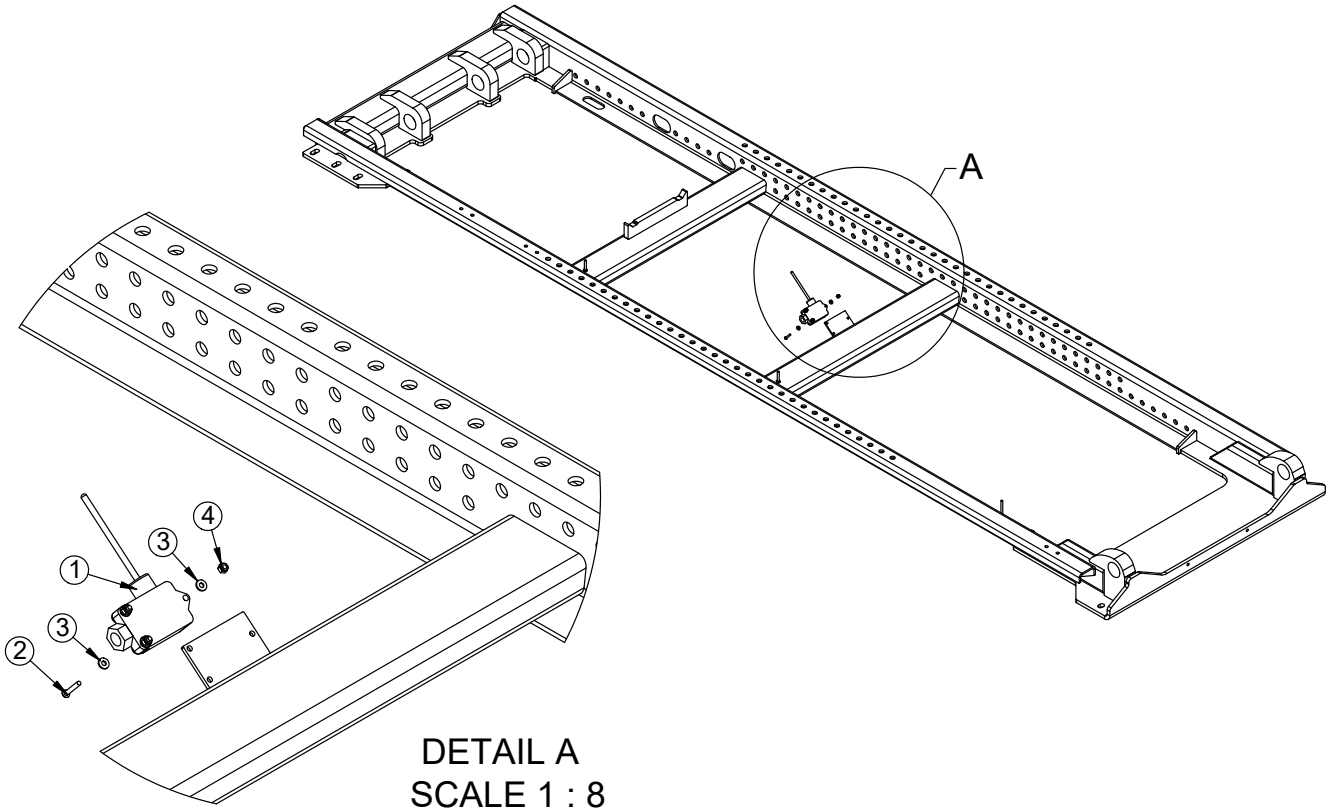
Face Seal Female Swivel Fittings

HYDRAULIC FITTING ONLY

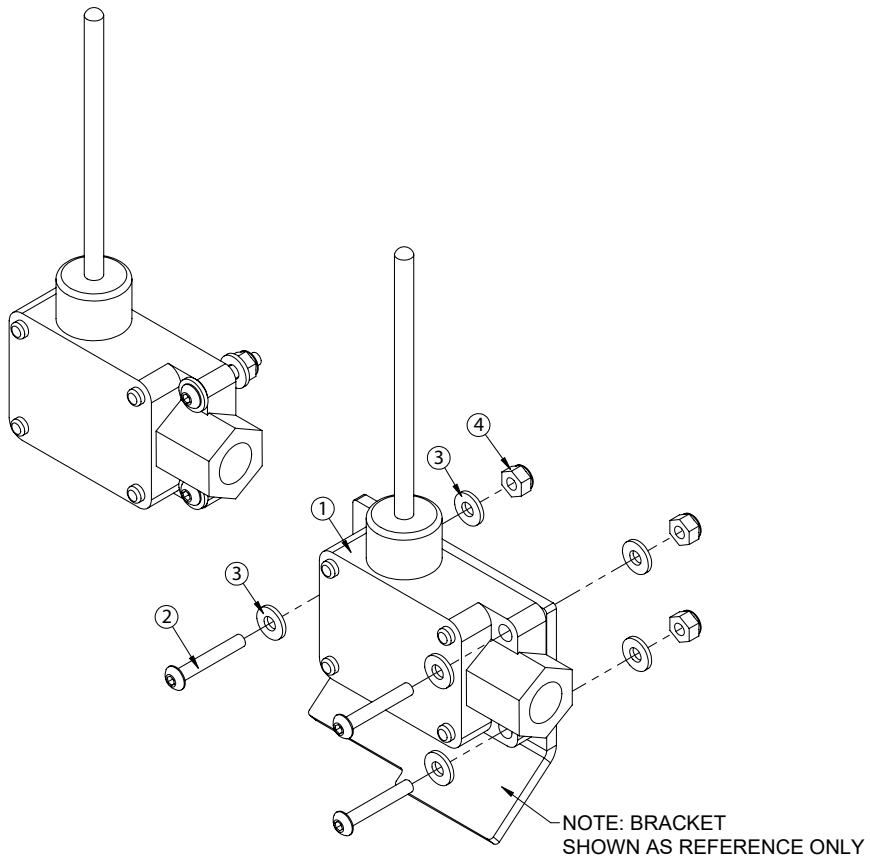


-SIZE	THREAD SIZE	FT-LB TORQUE
-4	9/16-18 UNF	13
-6	11/16-16 UN	23
-8	13/16-16 UN	40
-10	1-14 UNS	61
-12	1-3/16-12 UN	86
-16	1-7/16-12 UN	119
-20	1-11/16-12 UN	125
-24	2-12 UN	140

Raised Hoist Indicator Light Kit - PN 127153



DETAIL A
SCALE 1 : 8



Raised Hoist Indicator Light Kit - PN 127153 Parts List

PN 127153			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	127000	SWITCH ASM HOIST UP NXT	1
2	30472	CAP SCR #10-24X1.25 BTNHD SS	3
3	D0178	WASHER #10 SAE FLAT	6
4	26034	NUT #10-24 HH NYLOC	3
INITIAL RELEASE			

NOTES:
SEE CONTROLLER ASM FOR WIRING.
FOR REFERENCE:

- **GREEN TO IGNITION**
- **BLACK TO BODY DN**
- **WHITE TO BODY UP**

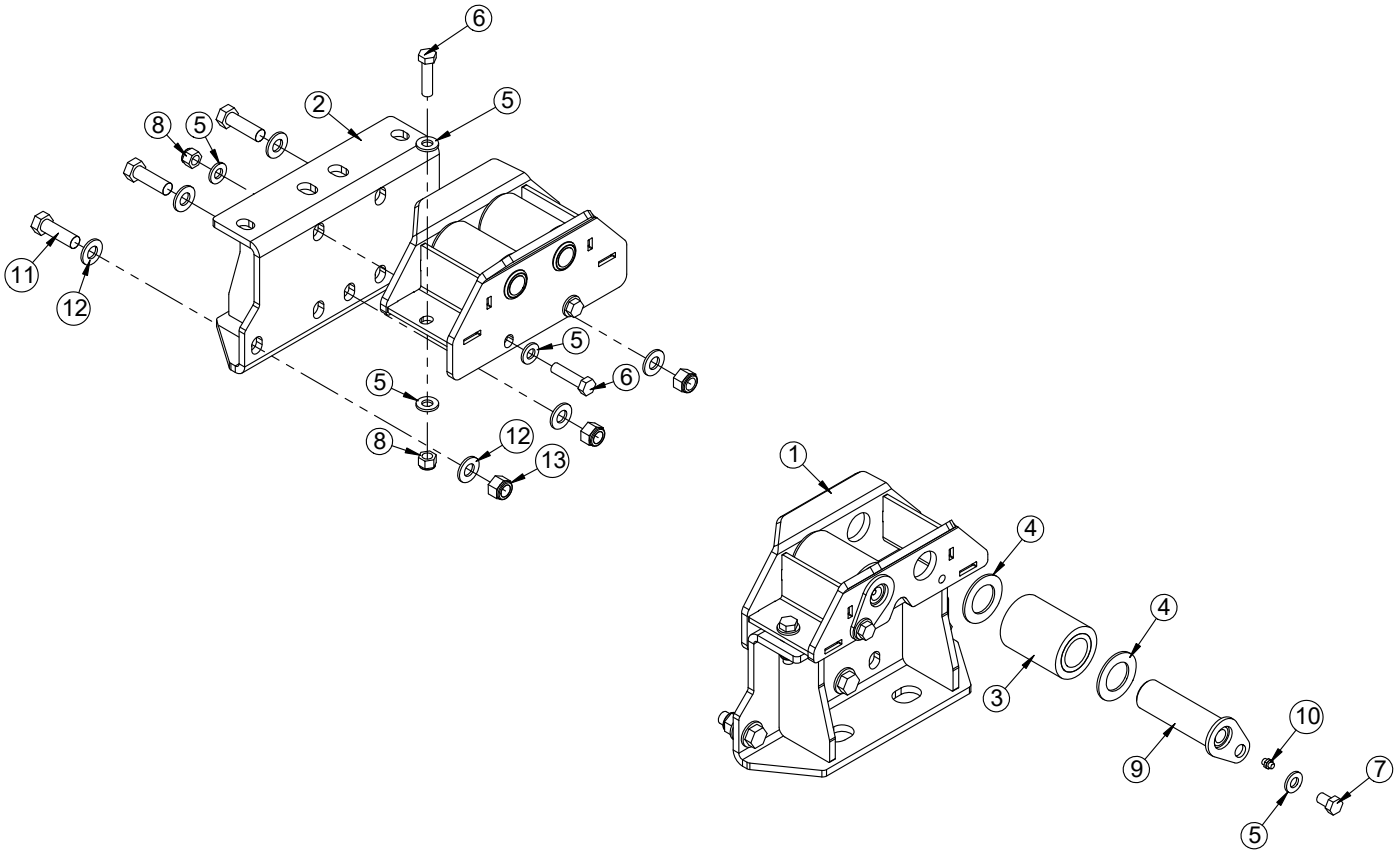
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Chapter 4 - Accessory Drawings

CHAPTER CONTENTS

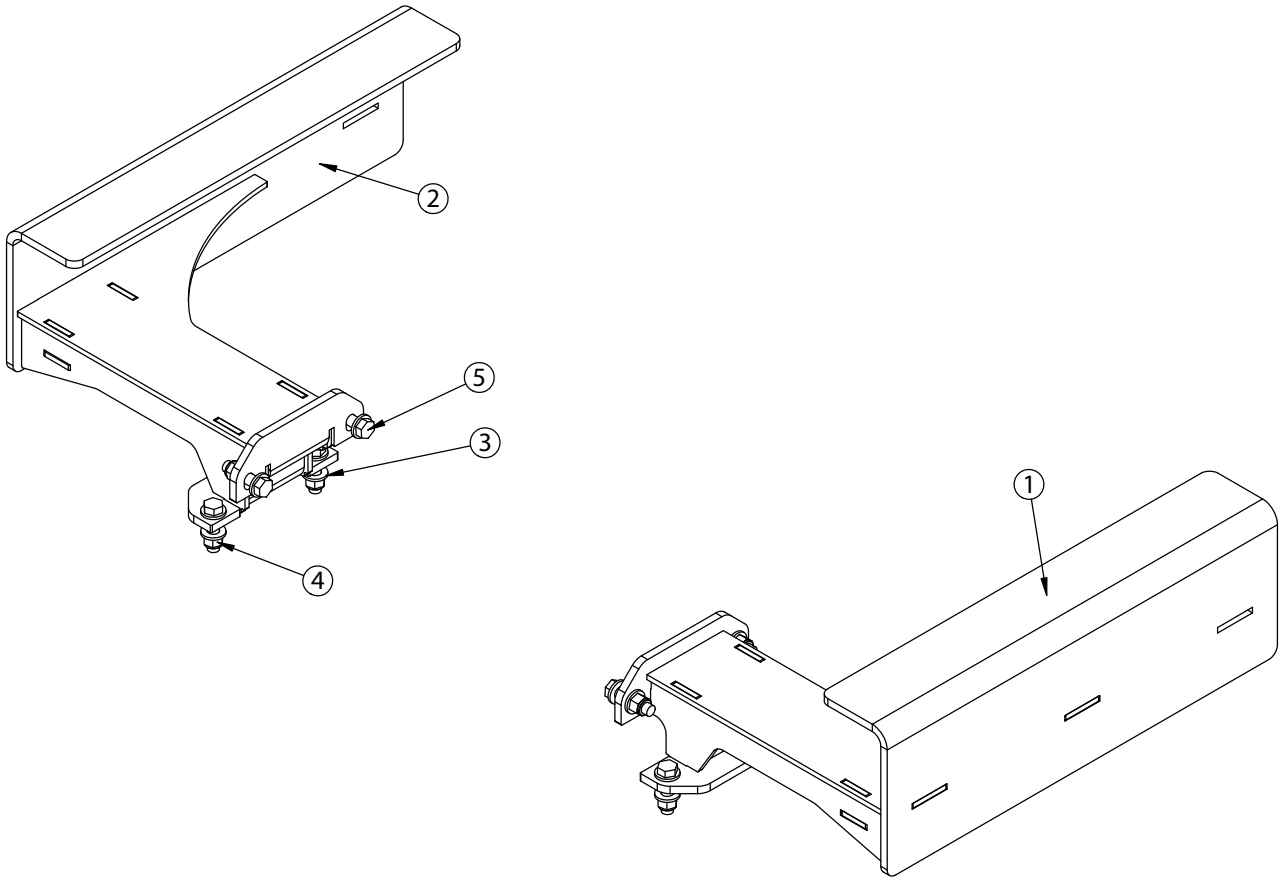
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Saddle Asm Roller - PN 145936



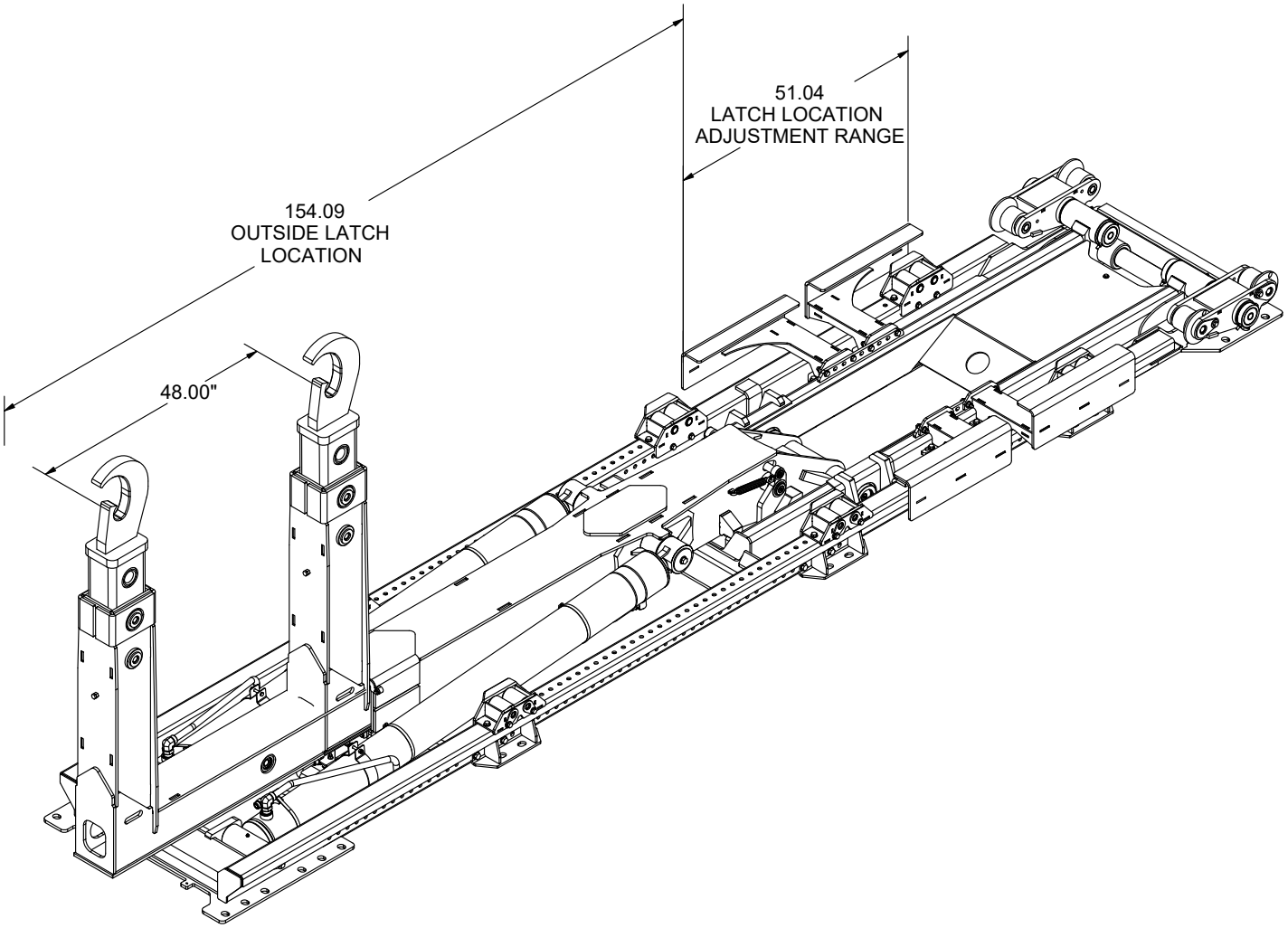
PN 145936			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129374	WLDMT SADDLE CARRIAGE NXT52	2
2	137747	WLDMT SADDLE SUPPORT NXT52	2
3	124209	ROLLER ASM 1.50X2.75X3.69	4
4	D0419	THRUST WASHER	8
5	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	20
6	8833	CAP SCR 0.50-13X2.00 HHGR8	8
7	9844	CAP SCR 0.50-13X0.75 HHGR8	4
8	5468	NUT 0.50-13 HHGR8 NYLOC	8
9	123773CR	PIN TEAR DROP 1.50X4.94 W/ZERK ZC	4
10	C1592	ZERK 1/8 NPT STRAIGHT	4
11	C1025	CAP SCR 0.63-11X2.00 HHGR8	6
12	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	12
13	24868	NUT 0.63-11 HHGR8 NYLOC	6
INITIAL RELEASE - REQ946			

NXT40 Outside Latch Asm Bolt On - PN 133926

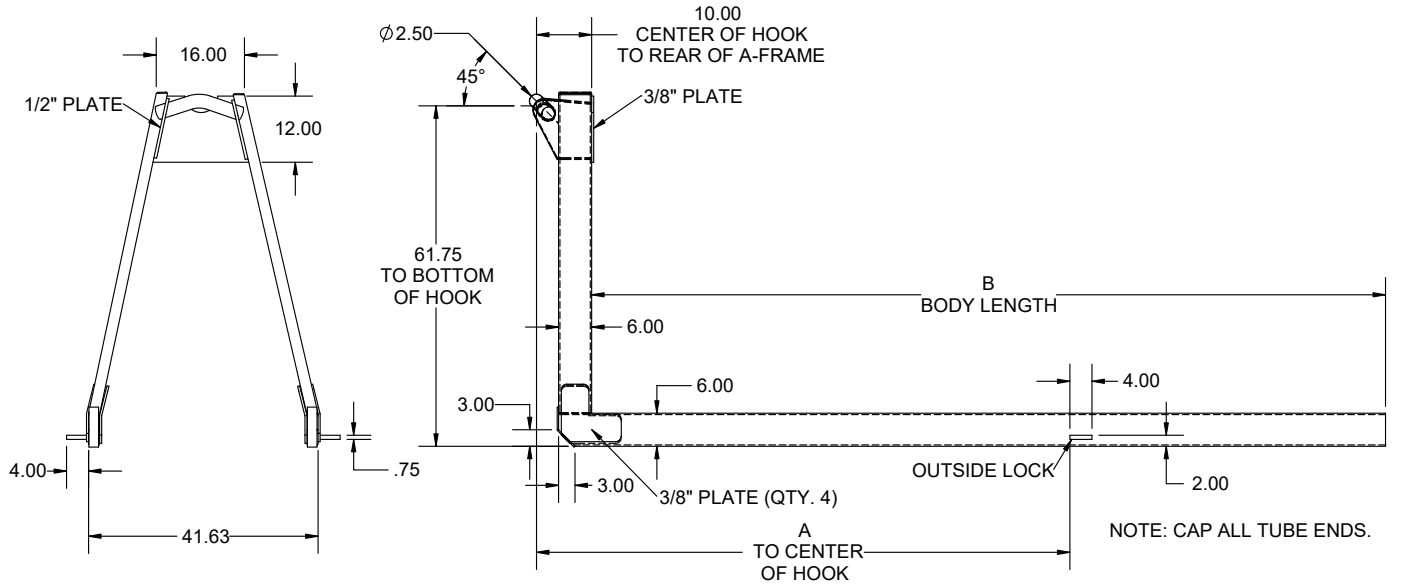


PN 133926			
ITEM	**PART**	**DESCRIPTION**	**QTY**
1	129557	WLDMNT LOCK OUTER SS NXT52	1
2	129558	WLDMT SUPPORT LATCH INNER NXT52	2
3	129858	WLDMNT LOCK OUTER CS NXT52	1
4	8833	CAP SCR 0.50-13X2.00 HHGR8	8
5	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	16
6	5468	NUT 0.50-13 HHGR8 NYLOC	8
REV. A			

NXT40 Outside Latch Assembly Location - PN 149988



Skid Drawing 61.75HH - PN 134591



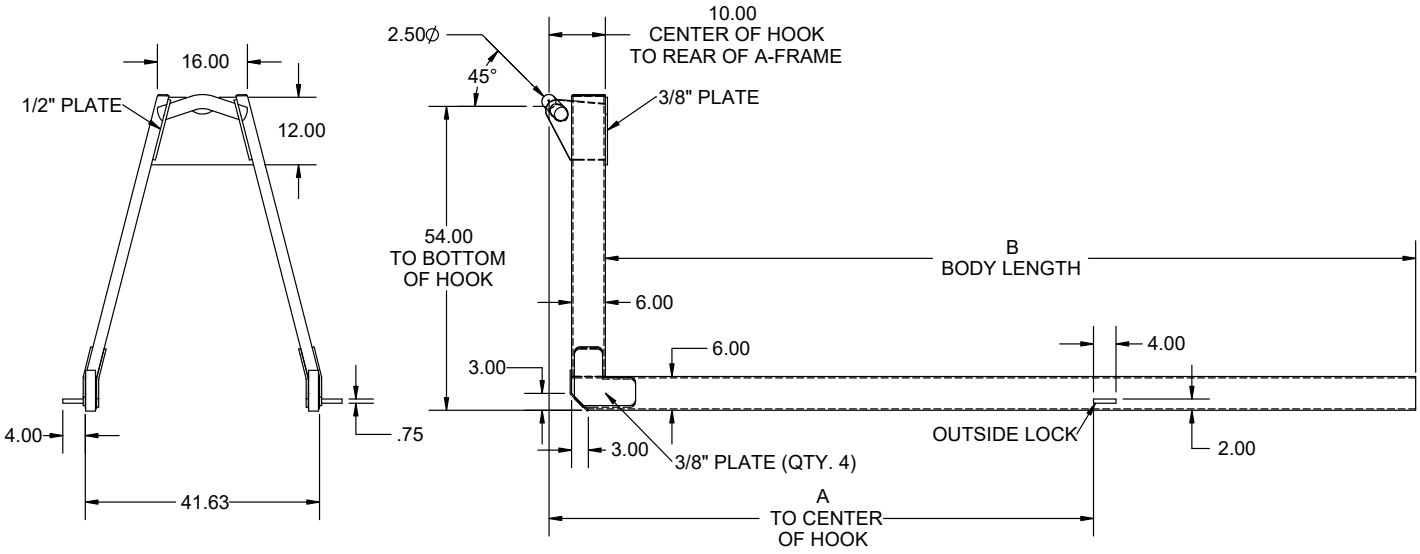
DRAWING FOR DIMENSIONAL PURPOSES ONLY

*DIMENSIONS IN INCHES

PART	DESCRIPTION	A	B
8575	SKID 61.75HH 6X2 16’ 156” OUTSIDE LOCK	156	192
8576	SKID 61.75HH 6X2 17’ 156” OUTSIDE LOCK	156	204
8577	SKID 61.75HH 6X2 18’ 156” OUTSIDE LOCK	156	216
8578	SKID 61.75HH 6X2 19’ 156” OUTSIDE LOCK	156	228
8579	SKID 61.75HH 6X2 20’ 197.25” OUTSIDE LOCK	197.25	240
8580	SKID 61.75HH 6X2 21’ 197.25” OUTSIDE LOCK	197.25	252
8581	SKID 61.75HH 6X2 22’ 197.25” OUTSIDE LOCK	197.25	264

NOTES:
DRAWING FOR DIMENSIONAL PURPOSES ONLY.
DIMENSIONS IN INCHES.

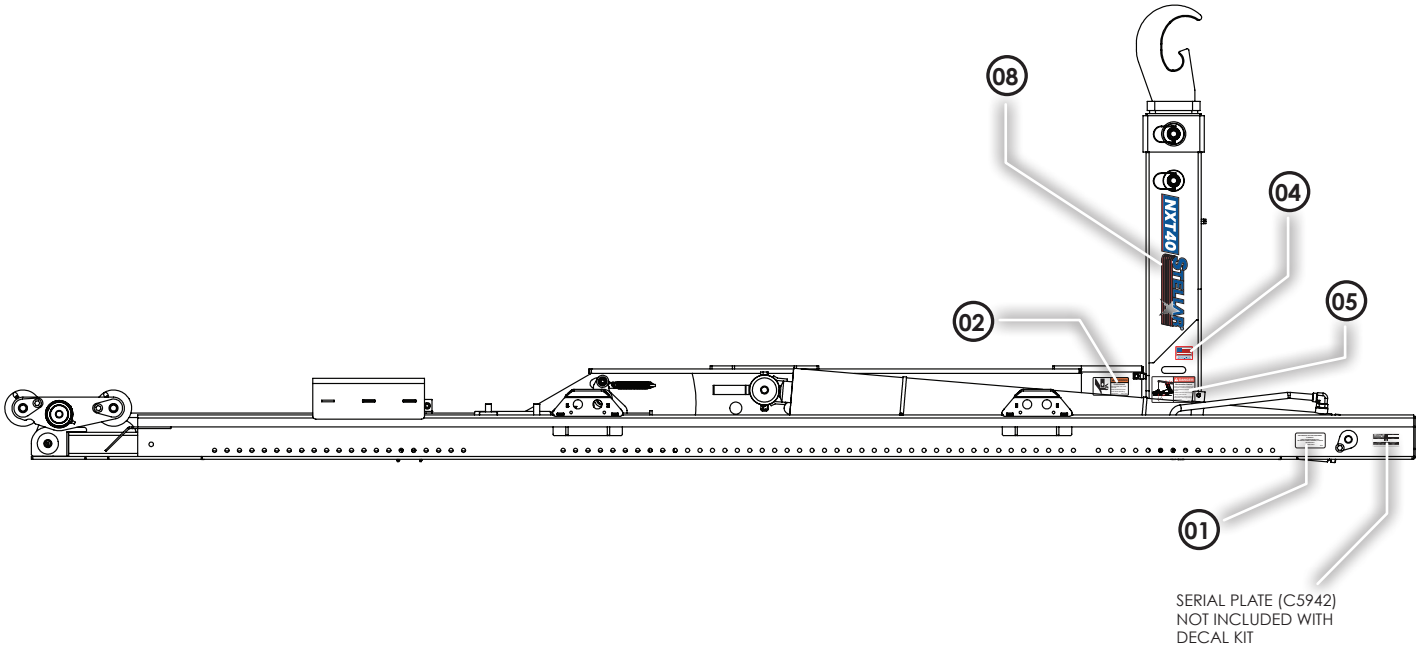
Skid Drawing 54.00HH - PN 134590

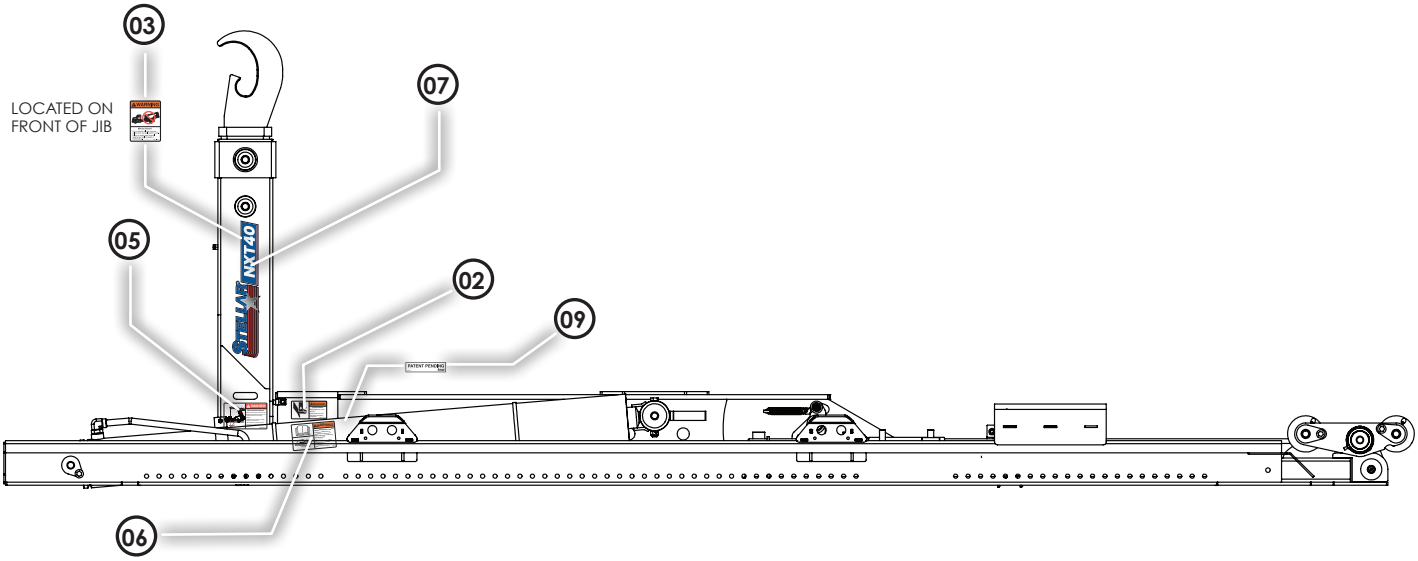


PART NO.	DESCRIPTION	A	B
8565	SKID 54.00HH 6X2 16’ 156” OUTSIDE LOCK	156	192
8566	SKID 54.00HH 6X2 17’ 156” OUTSIDE LOCK	156	204
8567	SKID 54.00HH 6X2 18’ 156” OUTSIDE LOCK	156	216
8568	SKID 54.00HH 6X2 19’ 156” OUTSIDE LOCK	156	228
8569	SKID 54.00HH 6X2 20’ 197.25” OUTSIDE LOCK	197.25	240
134592	SKID 54.00HH 6X2 21’ 197.25” OUTSIDE LOCK	197.25	252
134593	SKID 54.00HH 6X2 22’ 197.25” OUTSIDE LOCK	197.25	264

NOTES:
DRAWING FOR DIMENSIONAL PURPOSES ONLY.
DIMENSIONS IN INCHES.
CAP ALL TUBE ENDS.

NXT40 Hooklift Decals - PN 133455





NXT40 DECAL KIT - PN 133455

ITEM	PN	DESCRIPTION	QTY
01	4214	DECAL CONTACT STELLAR	1
02	25627	DECAL WARNING CRUSH	2
03	45955	DECAL WARNING HOOK HEIGHT MATCH	1
04	35234	DECAL STELLAR MADE IN THE USA	1
05	55832	DECAL DANGER ELECTROCUTION HOOK	2
06	68024	DECAL WARNING UNTRAINED OPERATOR	1
07	133457	DECAL NXT40 STRIPE SS	1
08	133456	DECAL NXT40 STRIPE CS	1
09	143384	DECAL PATENT PENDING	1



Subject to Change without Notification.
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