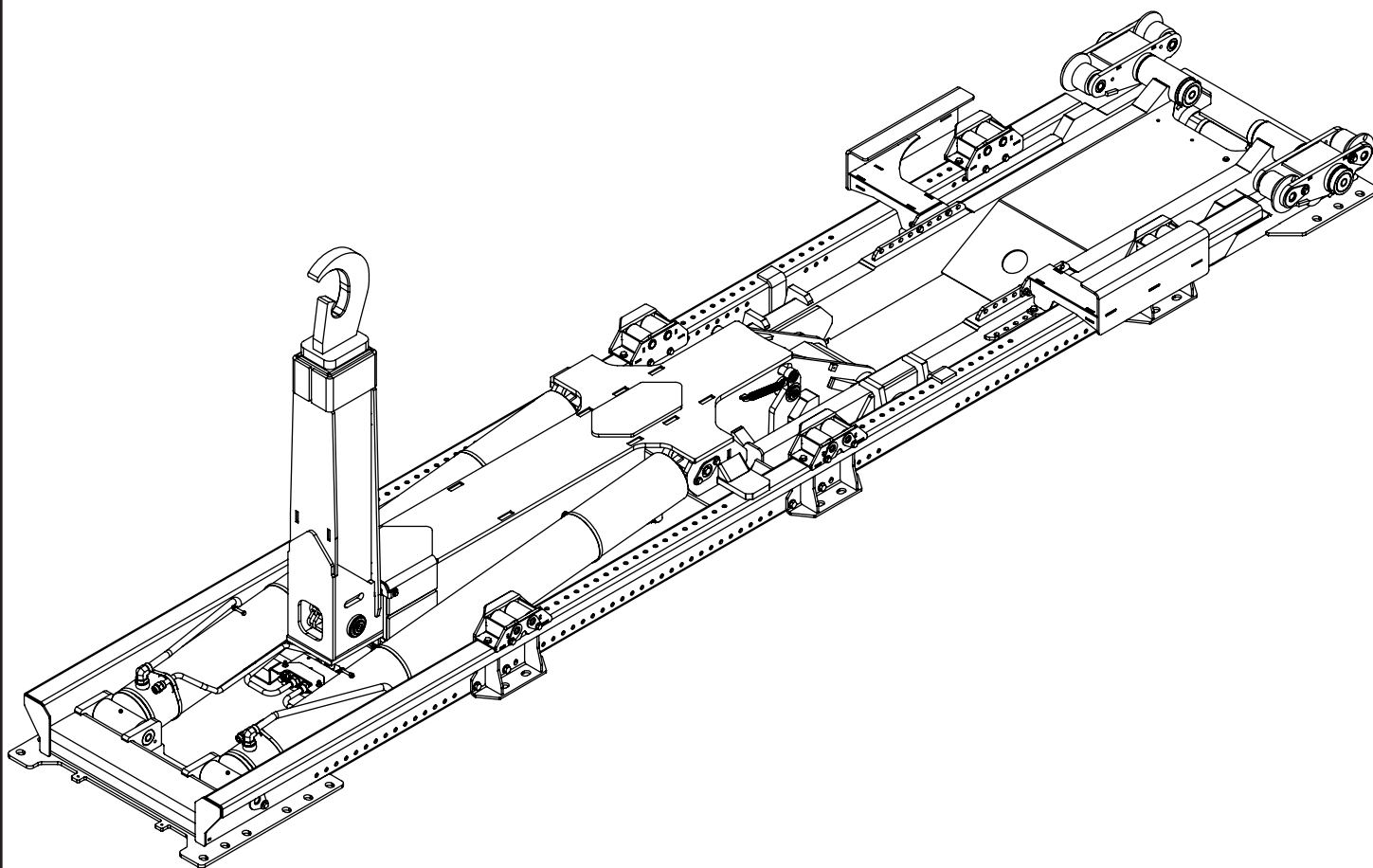




NXT68 Hooklift

Parts Manual

Installation • Assembly Drawings • Parts



Stellar Industries, Inc.

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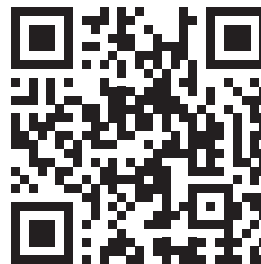
Subject to Change without Notification.
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REV 1.1
PN 150691

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

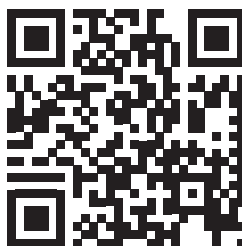
service@stellarindustries.com

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.



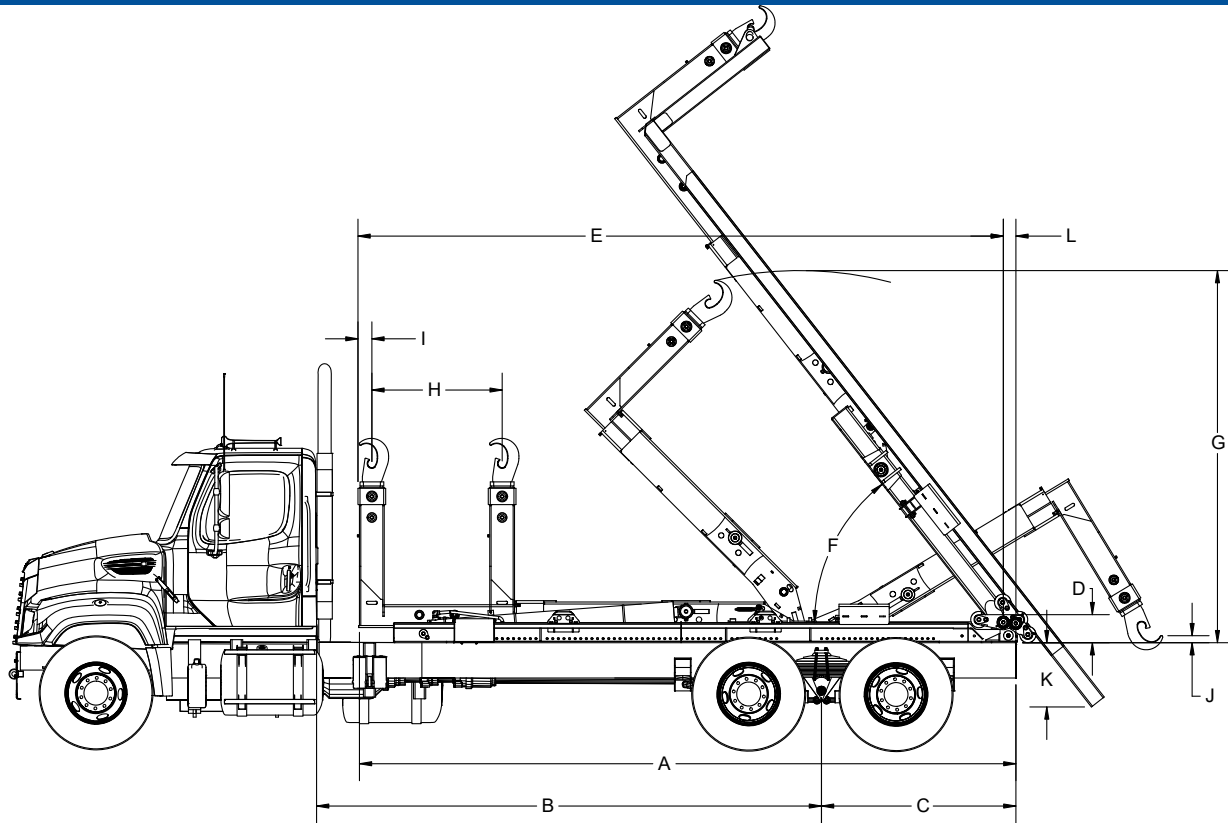
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Chapter 1 - Specifications

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NXT68 Specifications



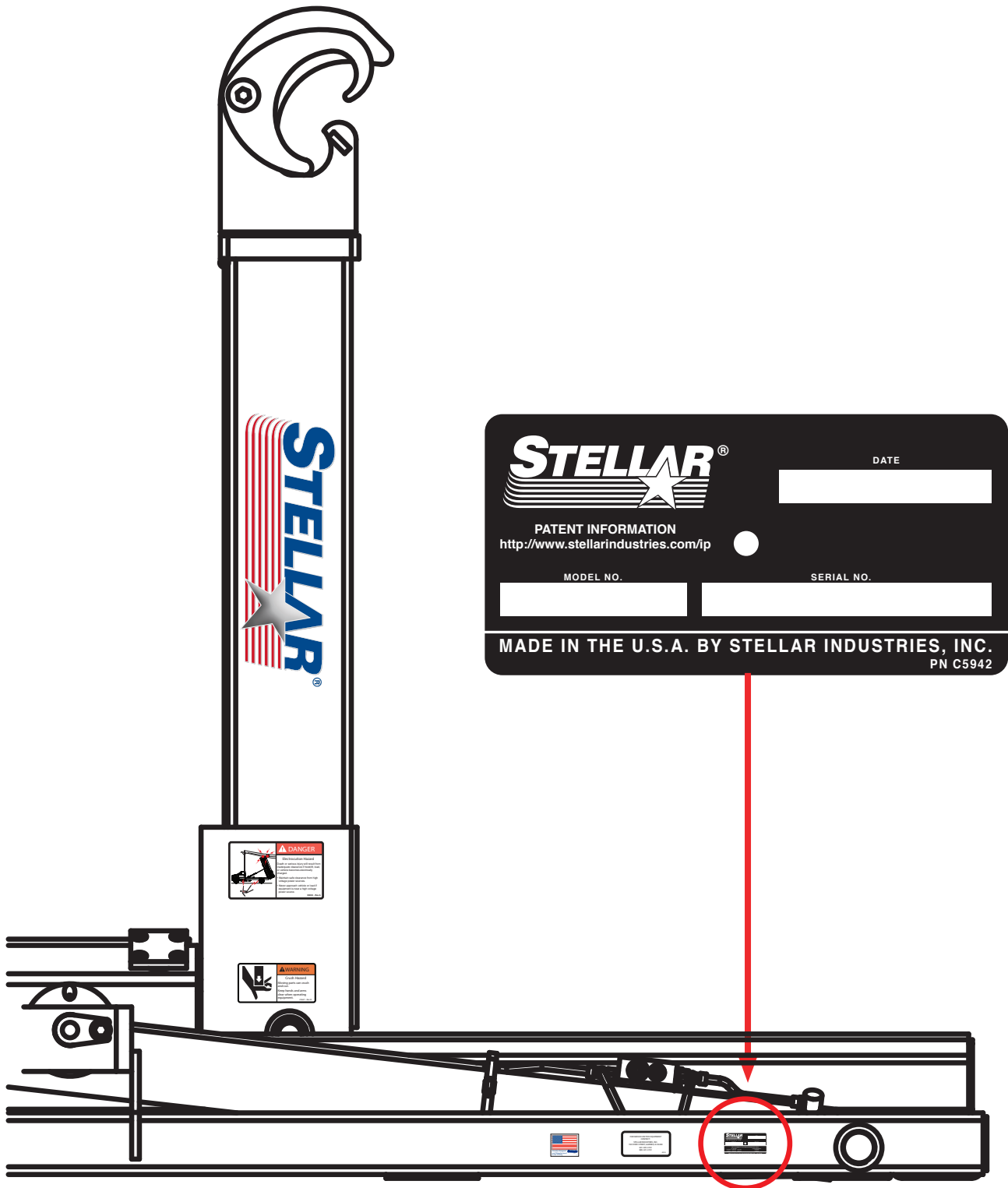
		NXT68
A	OVERALL LENGTH	250.50" (6,363 mm)
B	CAB-TO-AXLE RANGE	182" TO 214" (4,623 to 5,436 mm)
C	AFTER FRAME RANGE	64" (1,626 mm)
D	LOADER HEIGHT	12.50" (318 mm)
E	FRONT OF JIB TO CENTERLINE OF ROLLER	239" (6,071 mm)
F	DUMP ANGLE	50"
G	MAX TILT HEIGHT	54" HH: 134.34" (3,412 mm) 62" HH: 138.76" (3,525 mm)
H	JIB TRAVEL	48" (889 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*	21.5" (546 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)		

NXT68 Specifications - Continued

NXT68	
HOOK HEIGHT:	54" (1,372 mm) OR 62" (1,568 mm)
LIFT CAPACITY	54" HH: 57,000 LB (25,855 kg)
	62" HH: 68,000 LB (30,844 kg)
DUMP CAPACITY:	68,000 LB (30,844 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:	MANUAL JIB: 7,425 LB (3,368 kg)
	HYDRAULIC JIB: 7,530 LB (3,416 kg)
	(WITHOUT RESERVOIR AND BODY LOCKS)
BODY LENGTHS:	16' - 22' (4,877 - 6,706 mm)
MIN. TRUCK GVWR:	62,000 LB (28,123 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:

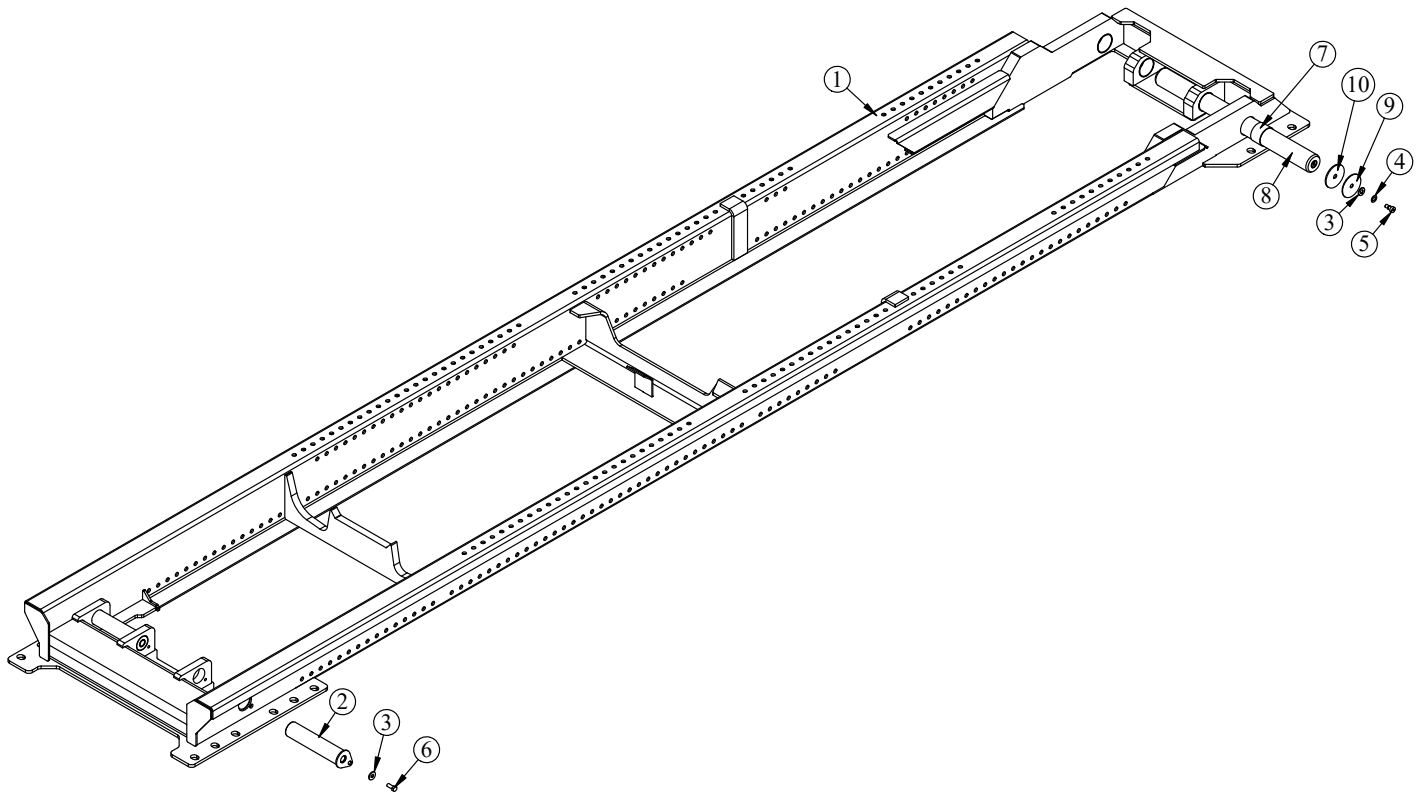


Chapter 2 - Assembly Drawings NXT68

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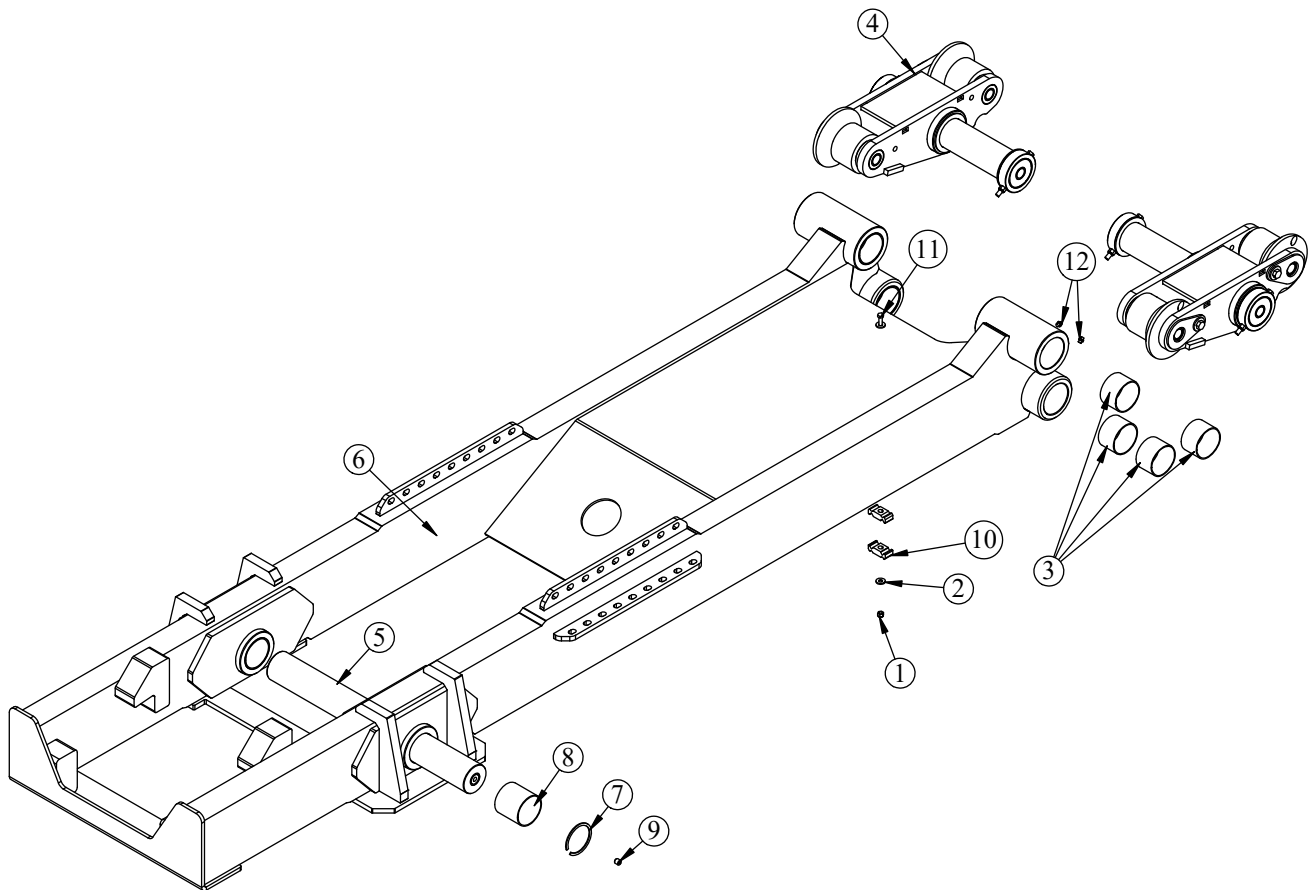
NXT68 Base Assembly - PN 134935



NXT68 Base Assembly - PN 134935 Parts List

PN 134935			
ITEM	PART	DESCRIPTION	QTY
1	134931	BASE NXT68	1
2	129433CR	PIN TEAR DROP 2.50X11.38 ZC	2
3	0352	WASHER 0.50 USS FLAT	4
4	12711	THRUST WASHER 0.63 DIA	2
5	12673	BOLT SHOULDER 0.63X0.50 0.50-13X0.75	2
6	0498	CAP SCR 0.50-13X1.25 HHGR5	2
7	0865	BUSHING BPC48DXR32 3.00X2.00	4
8	135661CR	PIN 3.00X33.63 D&T ZC	1
9	12922	THRUST WASHER 0.64X4.00X0.125	2
10	8597	PIN CAP 0.69X4.00X0.19 YZ	2
REV. INITIAL RELEASE			

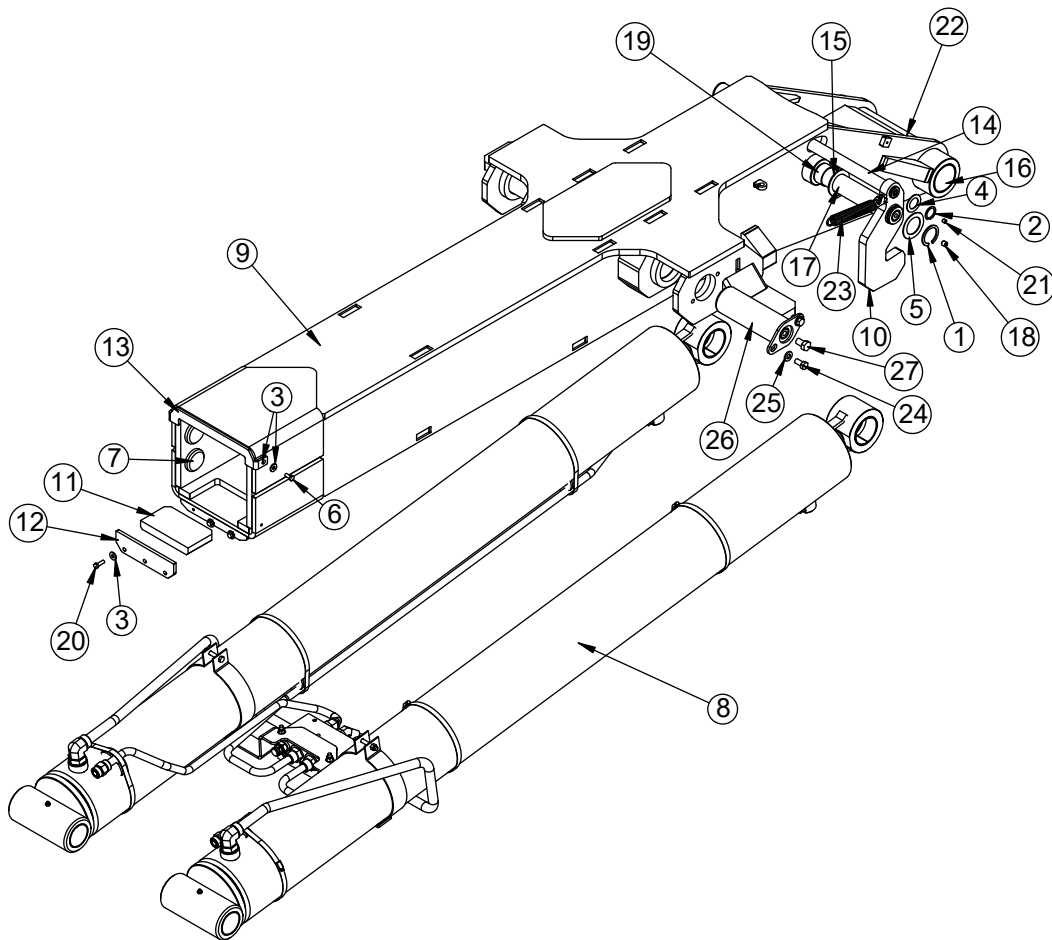
NXT68 Dump Assembly - PN 134936



NXT68 Dump Assembly - PN 134936Parts List

PN 134936			
ITEM	PART	DESCRIPTION	QTY
1	342	NUT 0.31-18 HHGR5 NYLOC	1
2	343	WASHER 0.31 USS FLAT	2
3	865	BUSHING BPC48DXR32 3.00X2.00	8
4	129436	ROLLER ASM NXT52	1
5	134179CR	PIN 3.00X26.13 D&T ZC	1
6	134932	DUMP NXT68	1
7	2200	SNAP RING INSIDE 3.00 3000-X300	2
8	2227	BUSHING BPC48DXR48 3.00X3.00	2
9	58052	SET SCREW 0.50-13X0.50 W/ RED PATCH	1
10	8622	CLAMP HOSE/TUBE AG-2	2
11	C0929	CAP SCR 0.31-18X2.75 HHGR5	1
12	C1592	ZERK 1/8 NPT STRAIGHT	4
REV. INITIAL RELEASE			

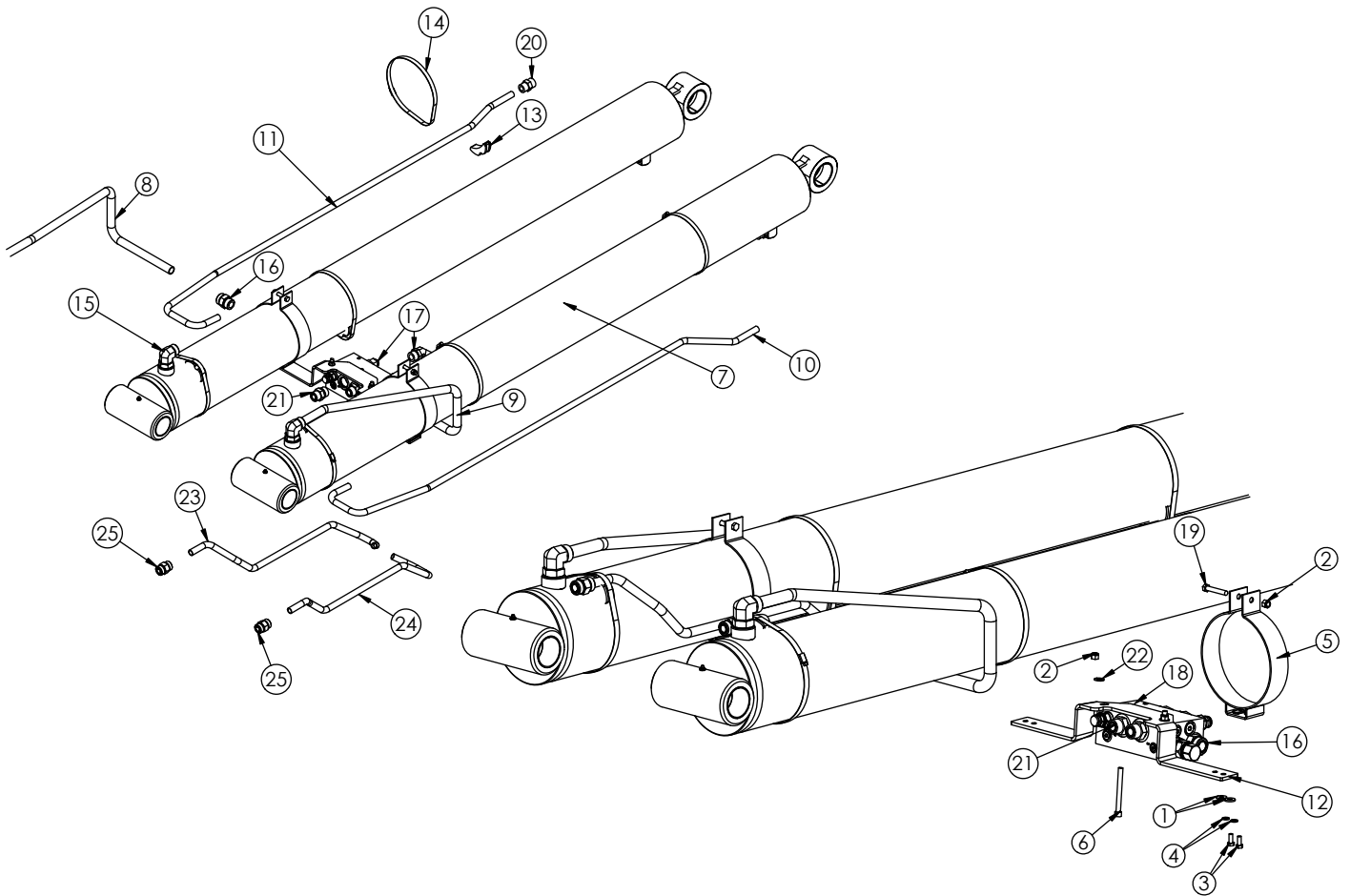
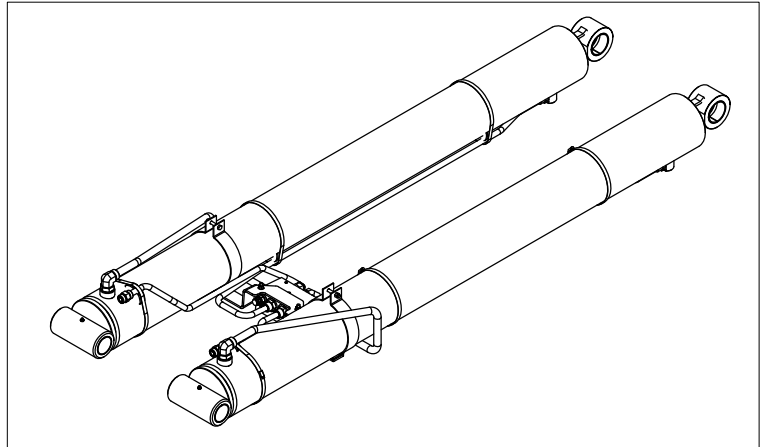
NXT68 Secondary/Dump Latch Asm - PN 134937



NXT68 Secondary/Dump Latch Asm - PN 134937 Parts

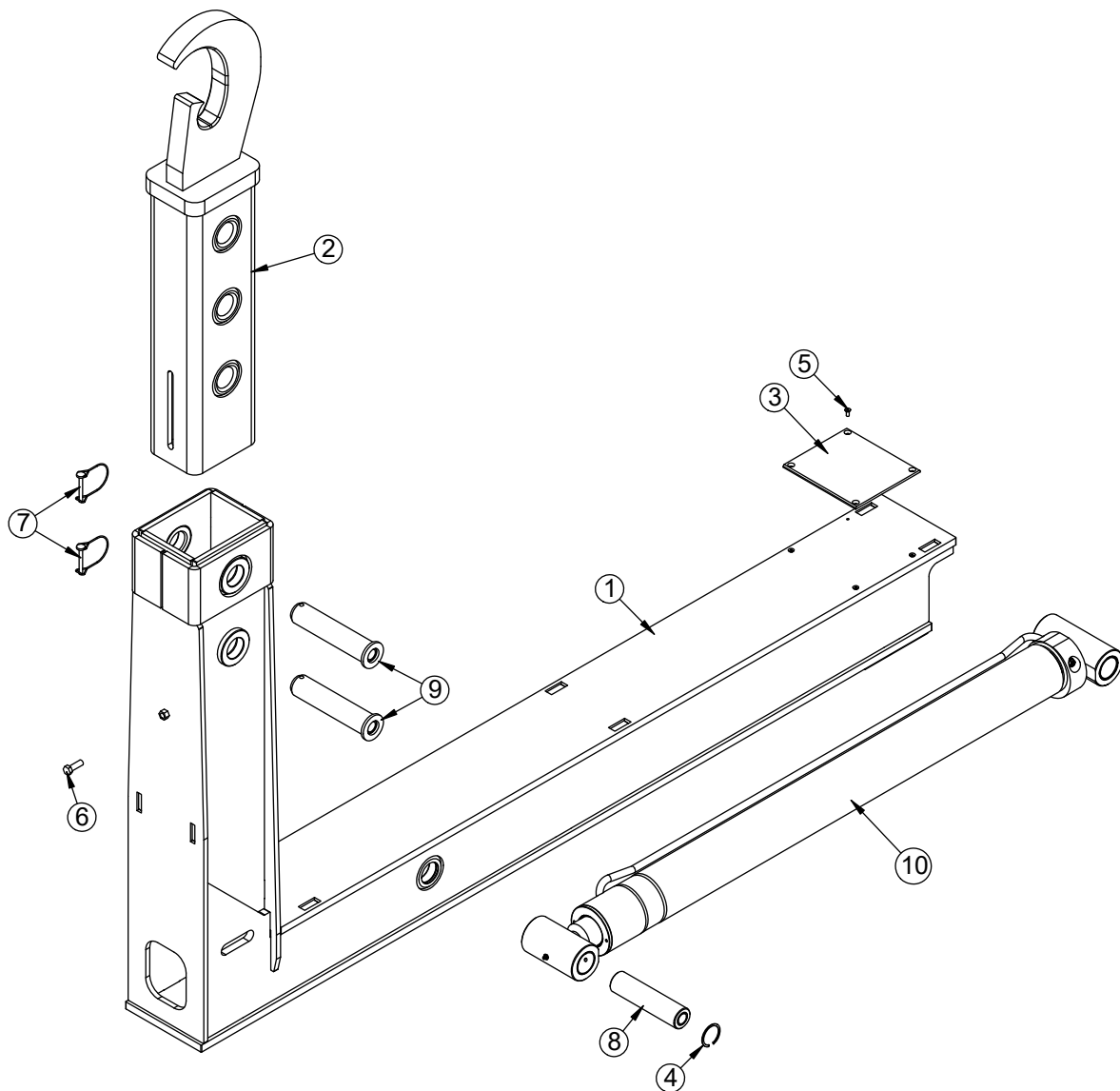
PN 134937			
ITEM	PART	DESCRIPTION	QTY
1	0108	SNAP RING 2.00 7200-200	2
2	0171	SNAP RING 1.25 ID 7200-125	2
3	0343	WASHER 0.31 USS FLAT	7
4	0374	MACHY WASHER 1.25ID 14GA	2
5	0377	MACHY WASHER 2.00ID 14GA	2
6	0420	CAP SCR 0.31-18X0.75 HHGR5	2
7	114019	WEAR PAD 0.50X2.50 RND	4
8	129352	CYLINDER ASM NXT52	1
9	134933	SECONDARY NXT68	1
10	129354	LATCH DUMP NXT52	2
11	129481	WEAR PAD 1.00IN NXT52 SECONDARY	2
12	129482	PLATE WEAR PAD COVER SEC NXT52	1
13	129483	PLATE WEAR PAD COVER NXT52	1
14	129484	PIN 1.25X16.63 SR ZP	1
15	1546	THRUST WASHER 2.01DIA UHMW .12THK	2
16	2227	BUSHING BPC48DXR48 3.00X3.00	2
17	24610CR	PIN 2.00X16.88 SR/D&T ZC	1
18	58052	SET SCREW 0.50-13X0.50 W/ RED PATCH	2
19	8819	BUSHING BPC32DXR16 2.00X1.00	2
20	C0922	CAP SCR 0.31-18X1.00 HHGR5	3
21	C3397	SET SCREW 0.38-16X0.38 W/ RED PATCH	1
22	C1592	ZERK 1/8 NPT STRAIGHT	3
23	54817	SPRING 1.00ODX0.125X4.50	2
24	0350	CAP SCR 0.50-13X1.00 HHGR5	4
25	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	4
26	133928CR	PIN WLDMT NXT68 SECONDARY ZC	2
27	39625	CAP SCR 0.63-11X1.00 HHGR8	2
REV. INITIAL RELEASE			

NXT68 Main Cylinder Assembly - PN 129352



NXT68 Main Cylinder Assembly - PN 129352 Parts List

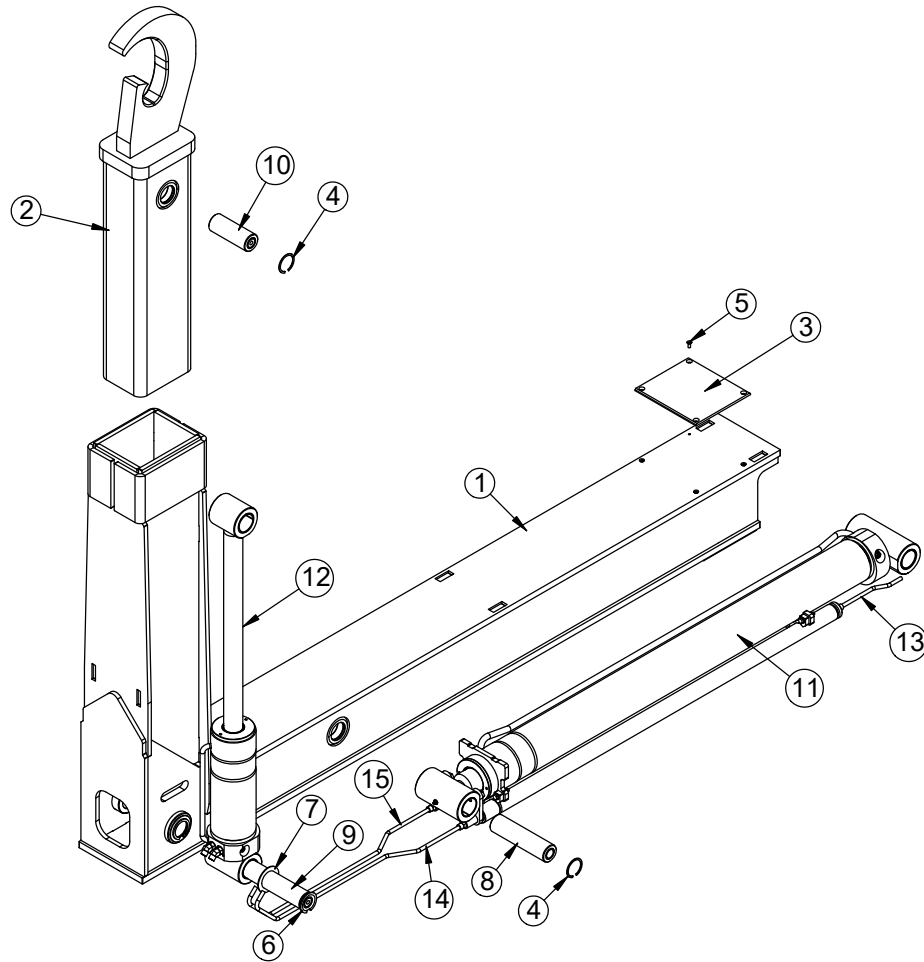
PN 129352			
ITEM	PART	DESCRIPTION	QTY
1	343	WASHER 0.31 USS FLAT	4
2	347	NUT 0.38-16 HHGR5 NYLOC	4
3	420	CAP SCR 0.31-18X0.75 HHGR5	4
4	522	WASHER 0.31 LOCK	4
5	105849	WLDMT BRKT CYL MOUNT SHUTTLE65	2
6	11898	CAP SCR 0.38-16X3.75 SH	2
7	127963	CYLINDER 7.00X82.00 REGEN	2
8	129550	TUBE ASM 1.00 NXT52 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. INITIAL RELEASE			



NXT68 Jib Asm, Manual, PN 134938 Parts List

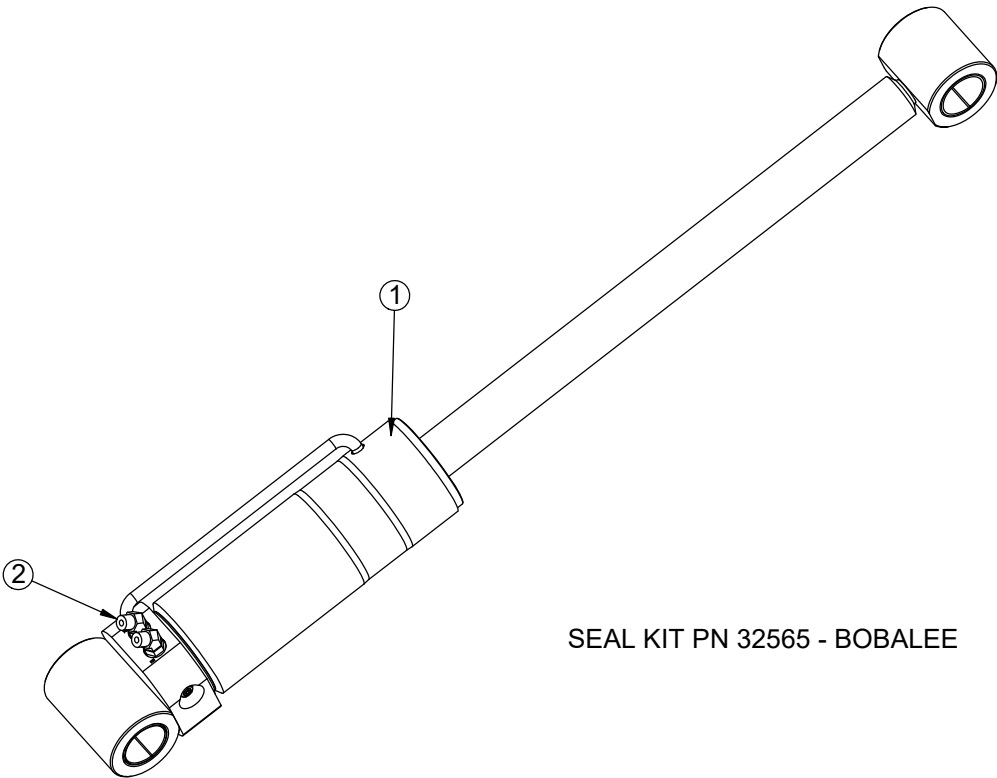
PN 134938			
ITEM	PART	DESCRIPTION	QTY
1	134934	JIB NXT 68 54/62HH	1
2	129238	JIB TOP NXT52 MANUAL 54/62HH	1
3	129243	WEAR PAD JIB NXT52 0.25IN	2
4	2257	SNAP RING INSIDE 2.00	2
5	25741	CAP SCR 0.25-20X0.63 FSH SS	8
6	10548	CAP SCR 0.50-13X1.50 HHGR8	1
7	45216	PIN 0.31X2.75 WIRE LOCK	2
8	131913CR	PIN 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. INITIAL RELEASE			

NXT68 Jib Asm PN 145498



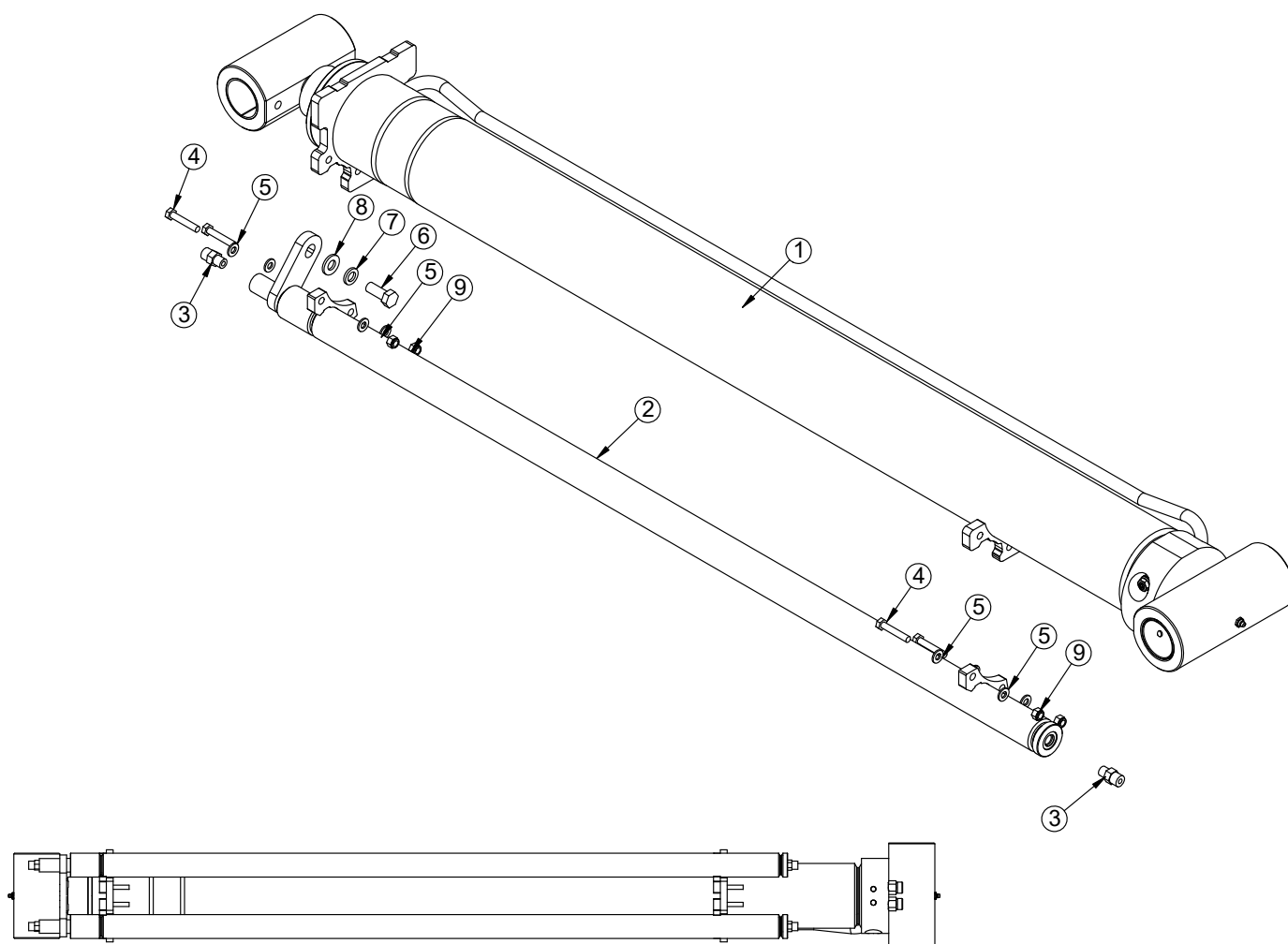
PN 145498			
ITEM	PART	DESCRIPTION	QTY
1	136522	JIB NXT 68 54/62HH HYD	1
2	129246	JIB TOP NXT52 54/62HH HYD	1
3	129243	WEAR PAD JIB NXT52 0.25IN	2
4	2257	SNAP RING INSIDE 2.00	4
5	25741	CAP SCR 0.25-20X0.63 FSH SS	8
6	0108	SNAP RING 2.00 7200-200	2
7	0377	MACHY WASHER 2.00ID 14GA	2
8	131913CR	PIN 2.00X7.88 D&T ZC	1
9	0862CR	PIN 2.00X10.50	1
10	129349CR	PIN 2.00X5.31 ZC	1
11	141279	CYLINDER ASM 4.00X48.00 NXT52 HYD V2	1
12	141721	CYLINDER ASM 4.00X7.75 NXT52 V2	1
13	15173	TUBE ASM 0.38X8.00 MAIN CYL 5520 YZ	2
14	142924	TUBE ASM 0.38X27.06 NXT68 FRNT HOOK CYL ZC SS	1
15	142925	TUBE ASM 0.38X27.06 NXT68 FRNT HOOK CYL ZC CS	1
INITIAL RELEASE - REQ946			

NXT68 Cylinder Assembly PN 127967



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			

NXT68 Cyl Asm 4x48 - PN 141279



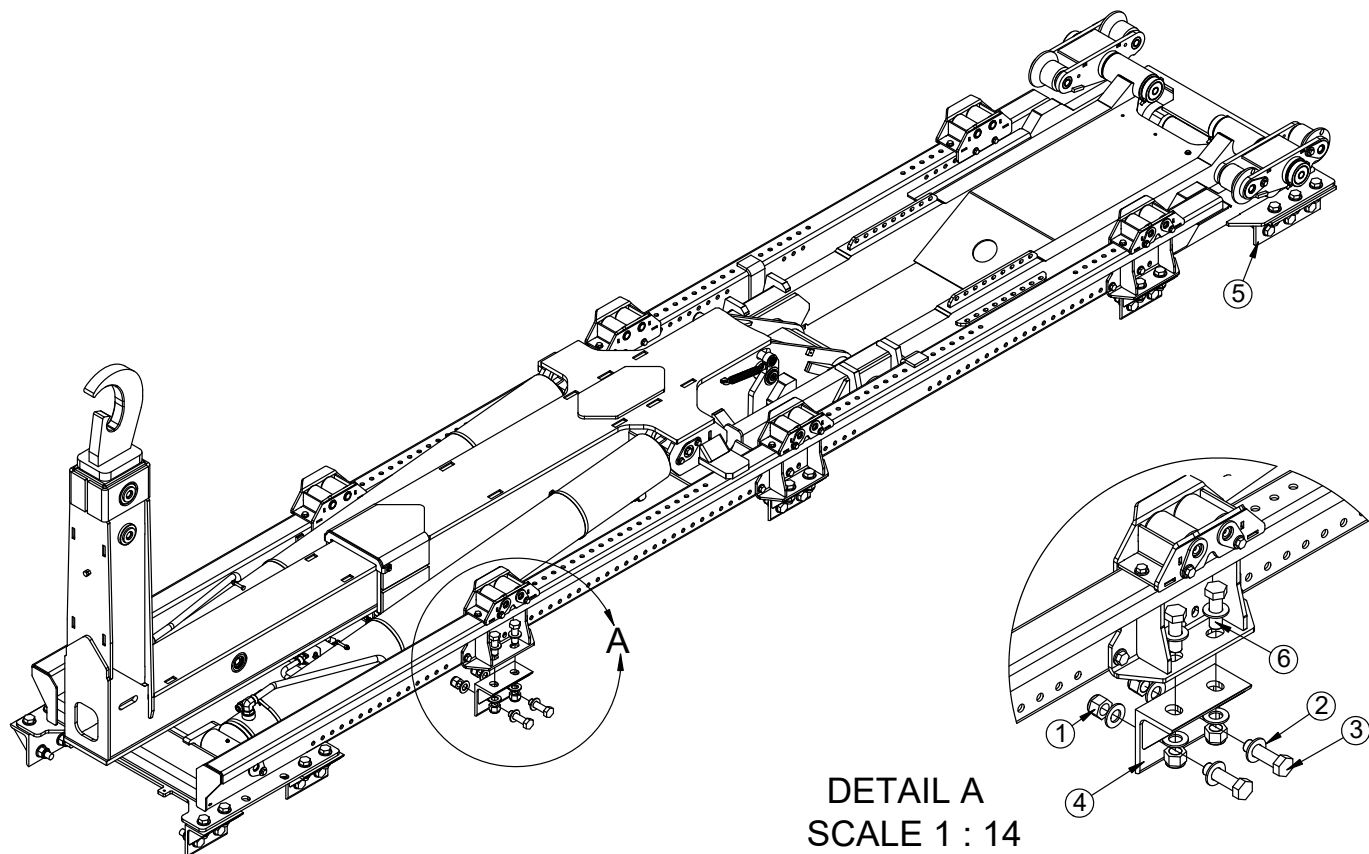
PN 141279			
ITEM	PART	DESCRIPTION	QTY
1	141713	CYLINDER ASM 4.00X48.00 NXT52 V2	1
2	137939	TUBE ASM TELESCOPIC 1.00X48.00	2
3	0279	FTG 6-6 MFS-MORB STRAIGHT	4
4	0487	CAP SCR 0.31-18X1.75 HHGR5	8
5	5591	WASHER 0.31 SAE FLAT YELLOW GR8	16
6	0498	CAP SCR 0.50-13X1.25 HHGR5	2
7	0525	WASHER 0.50 LOCK	2
8	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	2
9	0342	NUT 0.31-18 HHGR5 NYLOC	8
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Chapter 3 - Auxillary Assemblies NXT68

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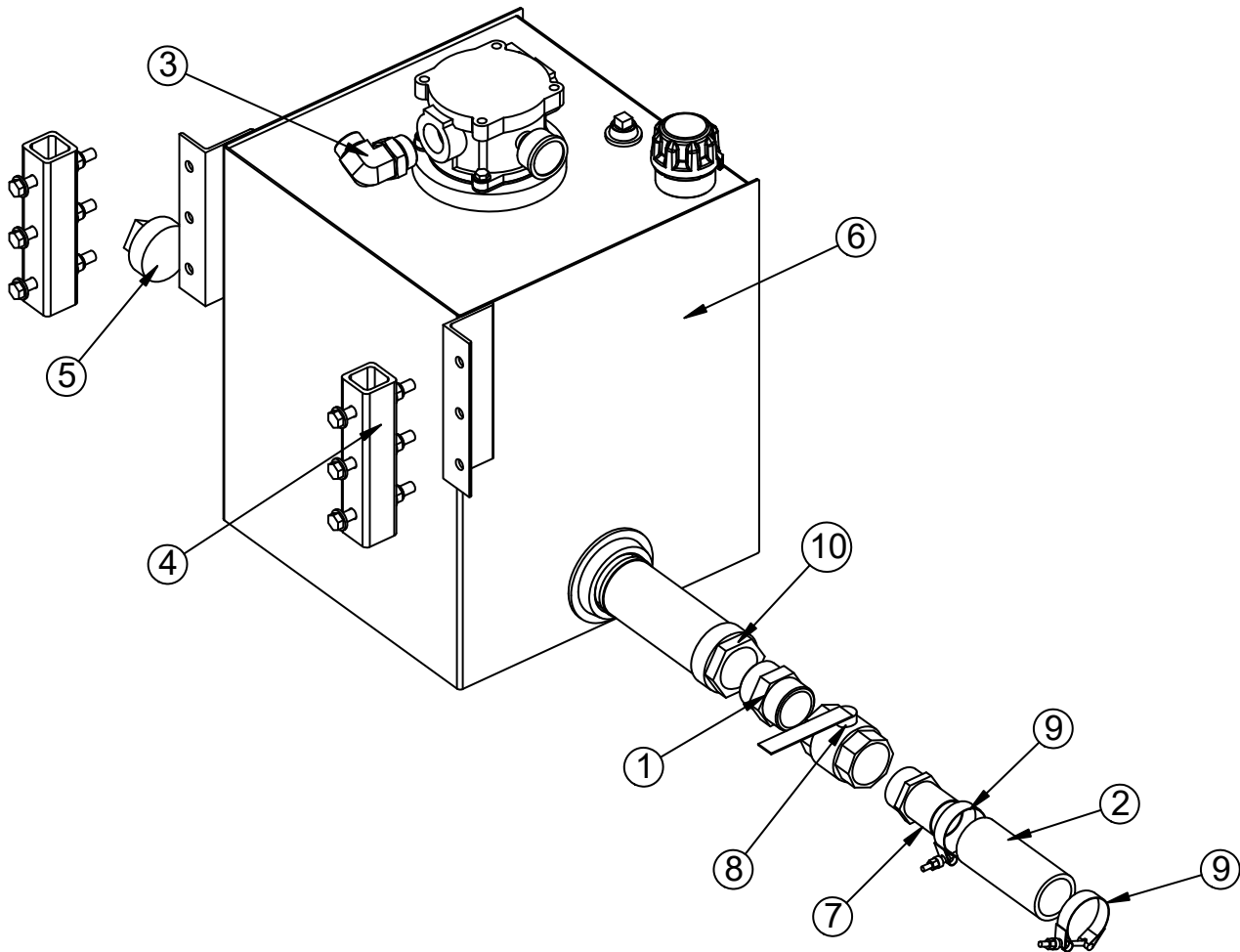
Mounting Kit - PN 135729



PN 135729			
ITEM	PART	DESCRIPTION	QTY
1	6294	NUT 1.00-8 HHGR8 NYLOC	52
2	6538	WASHER 1.00 SAE FLAT YELLOW GR8	104
3	12169	CAP SCR 1.00-8X3.50 HHGR8	26
4	133931	MNT WLDMNT 8.75"	10
5	135735	ANGLE FORMED 4.00X6.00X0.50X14.00 SLOTS	2
6	5199	CAP SCR 1.00-8X3.00 HHGR8	26
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NOTE: HARDWARE KIT 139199.

Reservoir Assembly - PN 130144



PN 130144

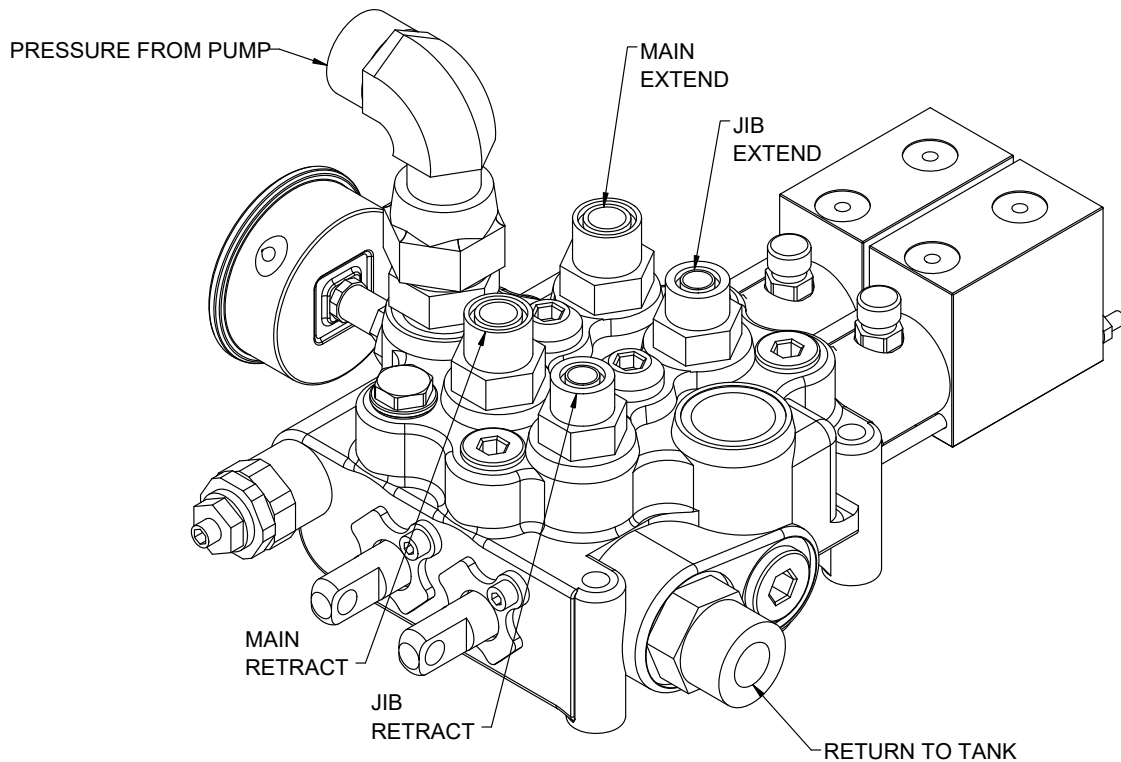
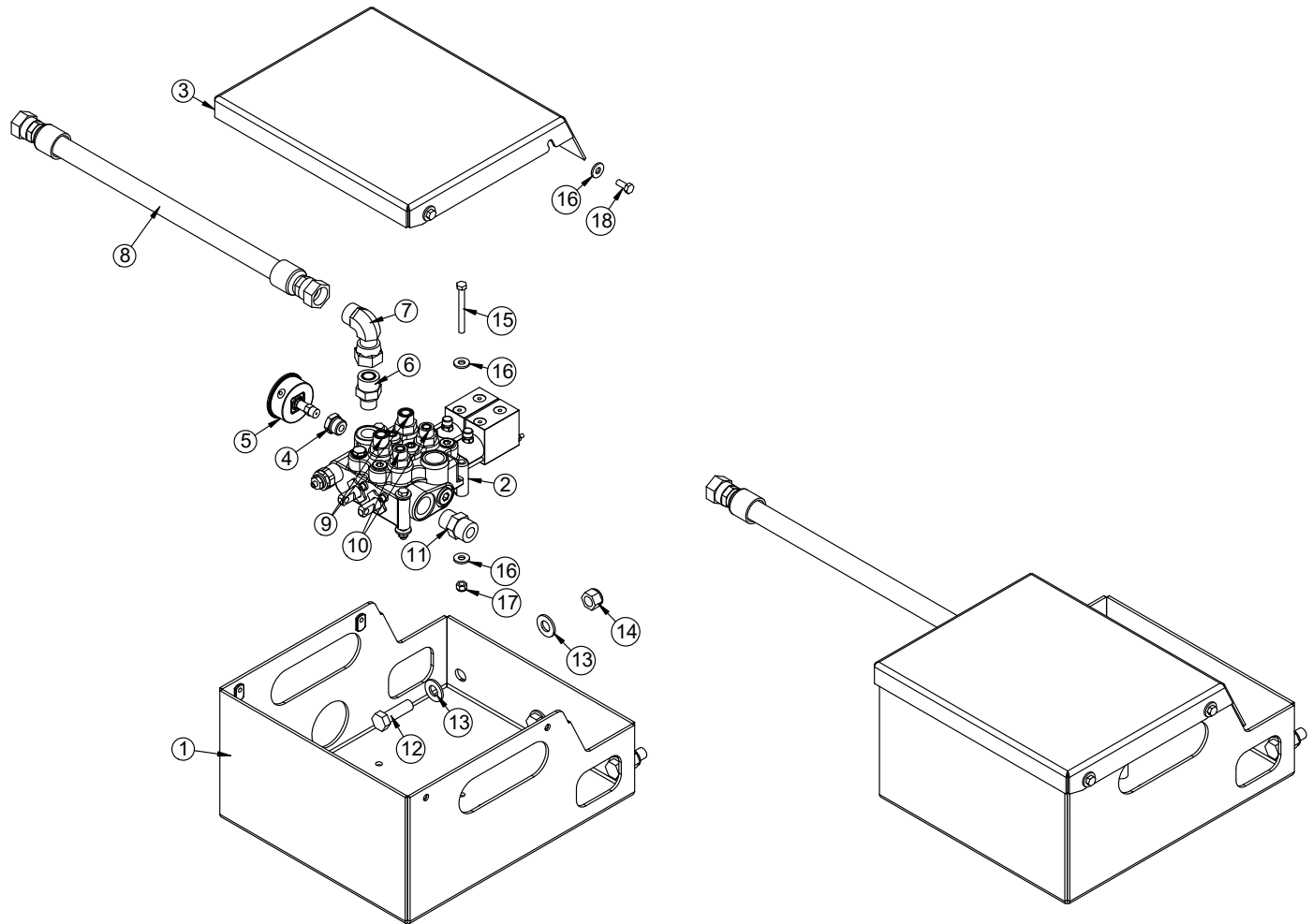
ITEM	PART	DESCRIPTION	QTY
1	7353	FTG 32-32 MP-MP HEX NIPPLE STRAIGHT	1
2	17766	HOSE SUCT 2.00 10FT	1
3	60395	FTG 16-20 MFS-MAORB 90	1
4	83959	MNT KIT RSRVR 25G	1
5	5745	PLUG 3.00 NPT SQ HD CS BLK	1
6	130143	RSRVR ASM 25GAL SQUARE W/ TANK TOP FILTER	1
7	C4730	FTG 32-32 MP-HB STRAIGHT	1
8	C4750	VALVE BALL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

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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

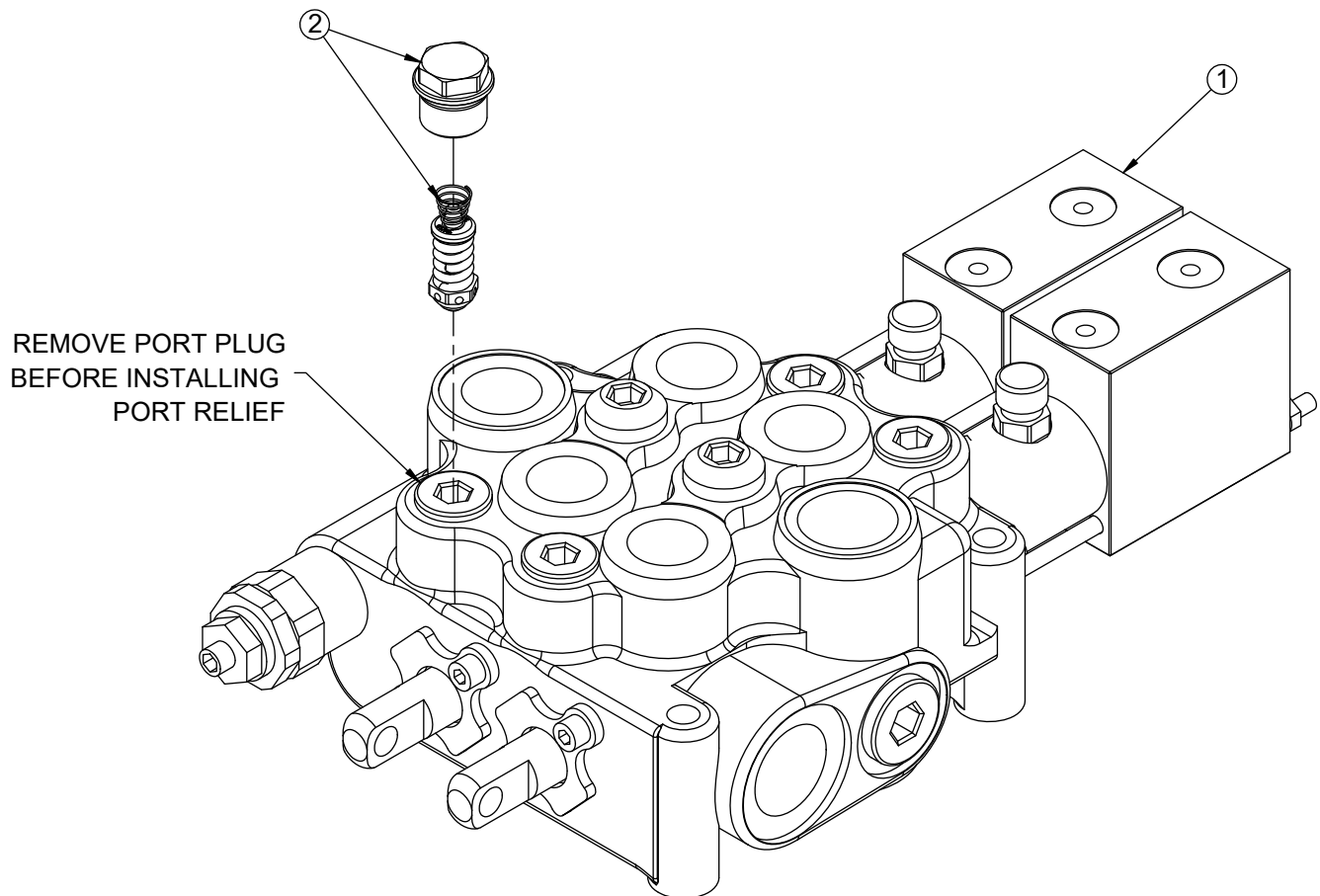
Valve Bank - PN 129905



Valve Bank - PN 129905 Parts List

PN 129905			
ITEM	PART	DESCRIPTION	QTY
1	129906	WLDMT VB MNT NXT52	1
2	132682	VB 2-SECT VDM8 PABS4-PABS4-4200MRV-LCHA-ZNCT W/PORT RELIEF	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. A			

Valve Bank - PN 132682

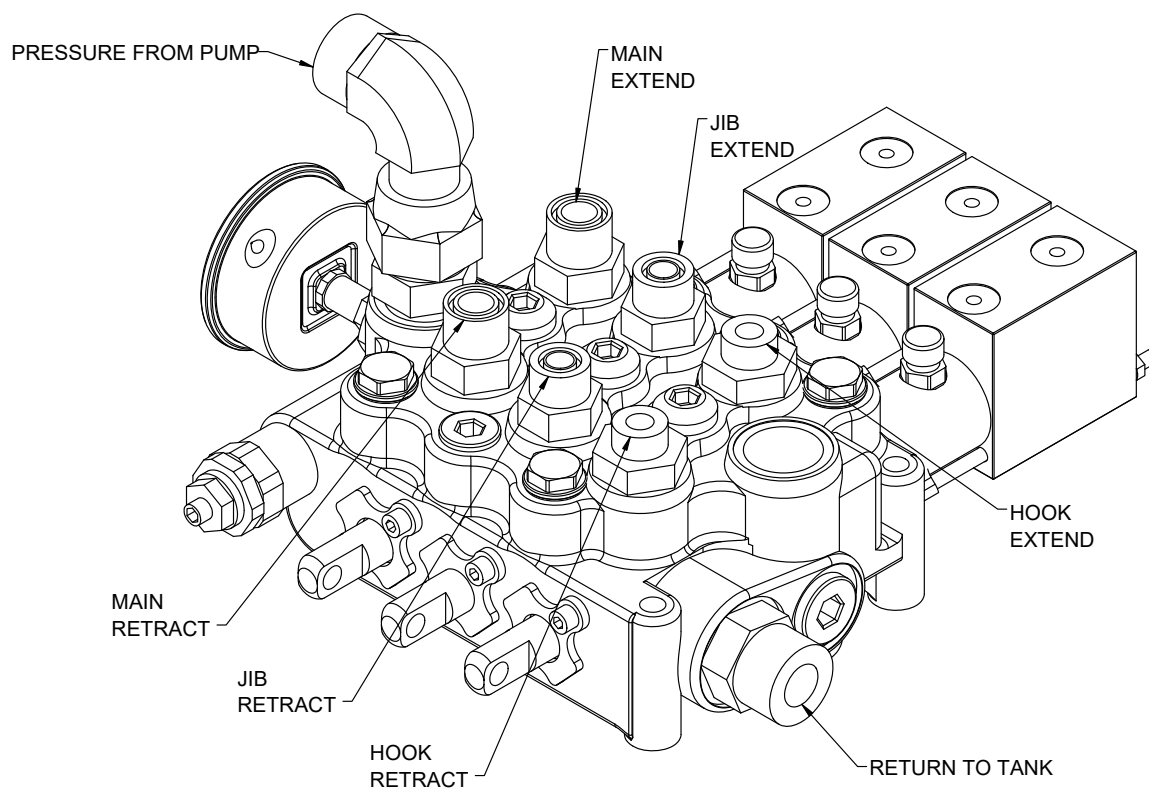
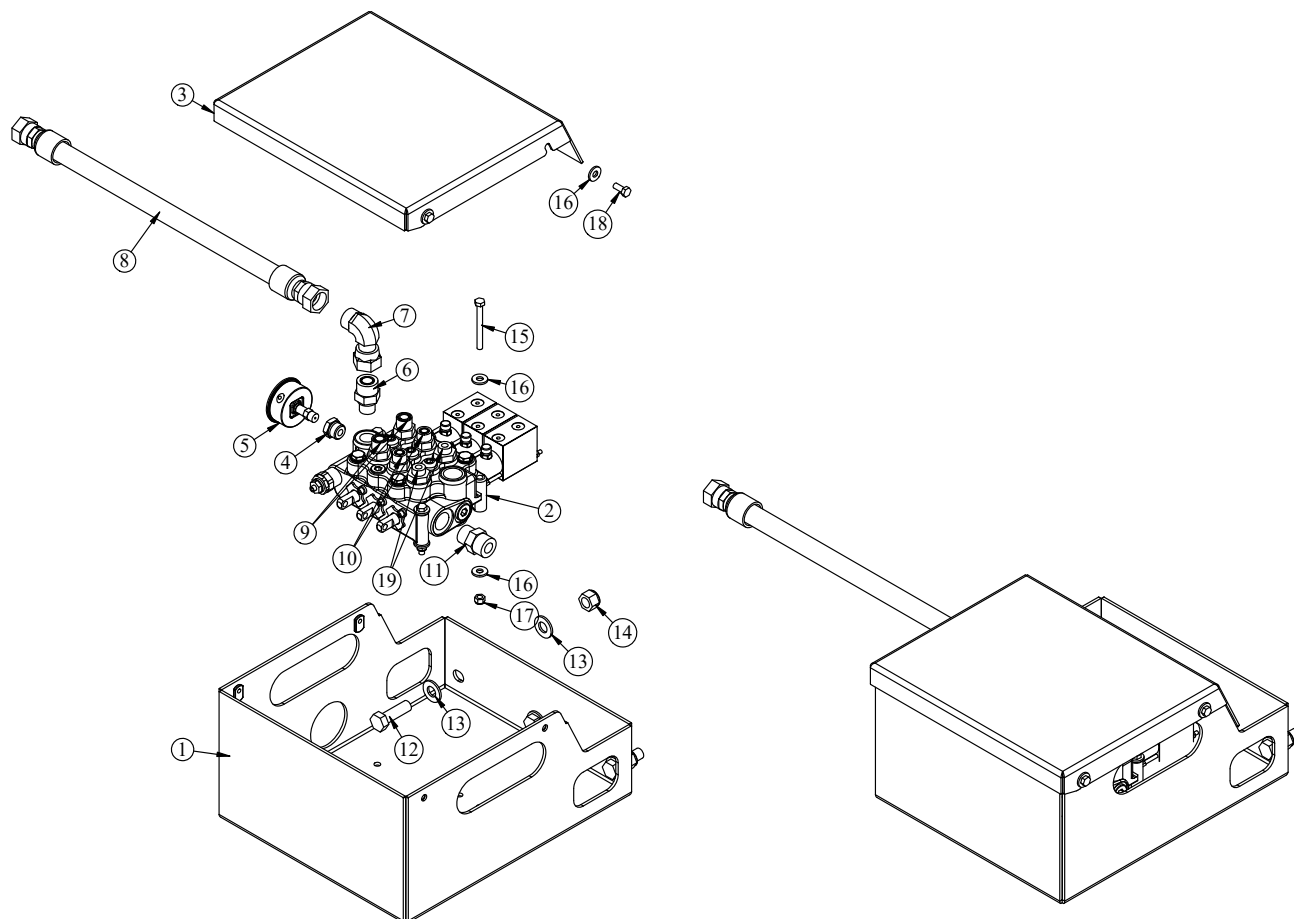


PN 127968

ITEM	PART	DESCRIPTION	QTY
1	25940	VB 2-SECT VDM8 PAC4-PAC4-4200MRV-(1-A-B-2000-2-A-B-2500)-WLCHA-ZNCT	1
2	69172	PORT RELIEF VDM8 3600 PSI	2
REV. INITIAL RELEASE			

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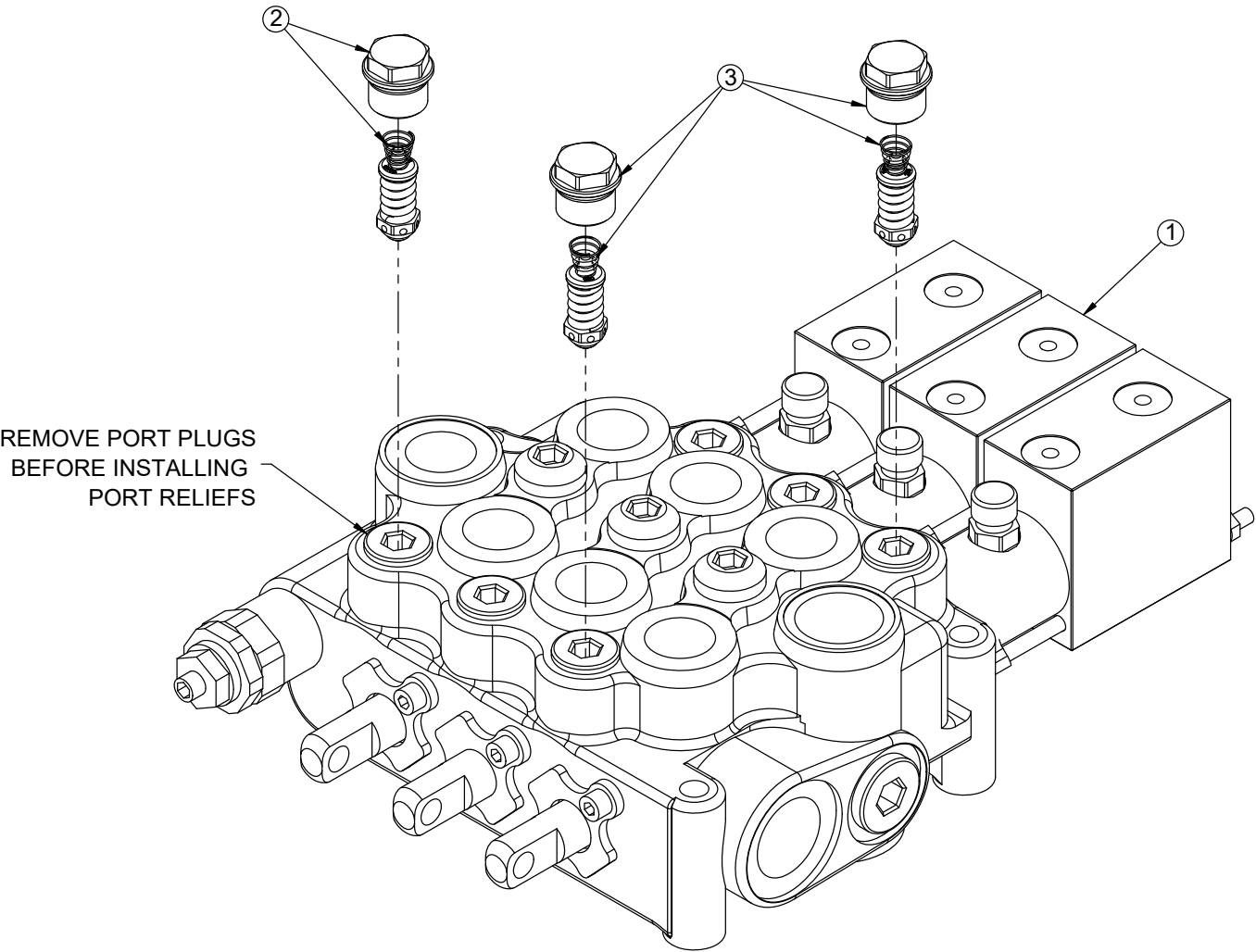
3-Section Valve Bank Assembly- PN 132329



3-Section Valve Bank Assembly- PN 132329 Parts List

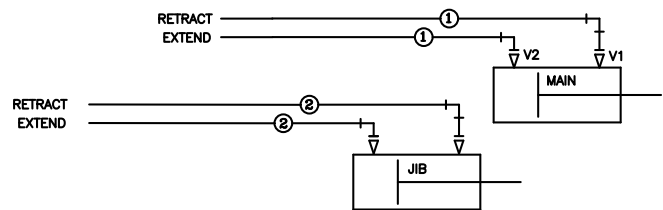
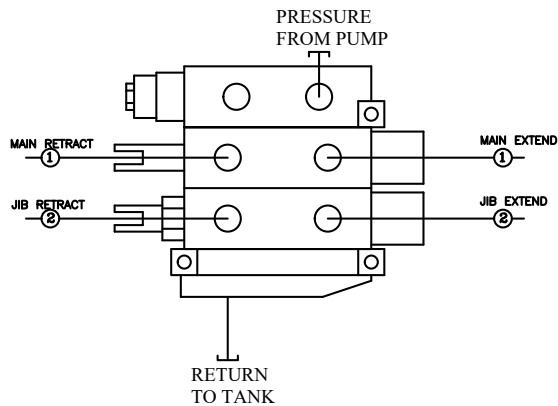
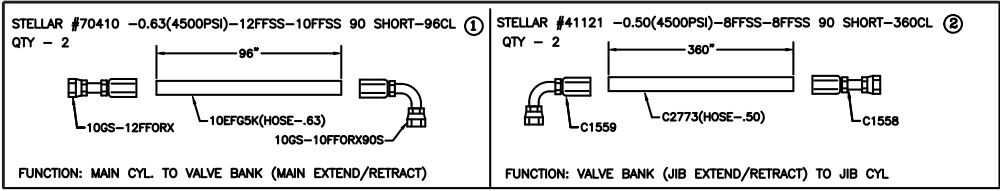
PN 132329			
ITEM	PART	DESCRIPTION	QTY
1	129906	WLDMT VB MNT NXT52	1
2	132328	VB 3-SECT VDM8 PABS4-PABS4-PABS4-4200MRV-LCHA-ZNCT W/PORT RELIEF	1
3	129908	COVER VB MNT NXT52	1
4	55833	FTG 10-4 MORB-FORB STRAIGHT REDUCER	1
5	39780	GAUGE OIL LF 2.5 0-6000 CBM SAE	1
6	D1435	FTG 12-10 MFS-MORB STRAIGHT	1
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			

NXT68 3-Sect Valve Bank Asm w Port Relief - PN 132328



PN 132328			
ITEM	PART	DESCRIPTION	QTY
1	47562	VB 3-SECT VDM8 C4-C4-C4-3400MRV-WCHA-YE-BLK	1
2	69172	PORT RELIEF VDM8 3600 PSI	1
3	26182	PORT RELIEF VDM8 2530 PSI	2
REV. A - REQ946			

NXT68 Hose Kit - PN 129649

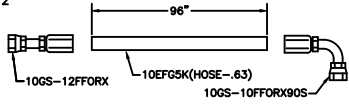


NOTE: SYSTEM PRESSURE IS 4500 P.S.I.

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. INITIAL RELEASE			

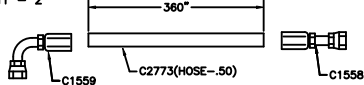
NXT68 3-Section Hose Kit - PN 142877

STELLAR #70410 -0.63(4500PSI)-12FFSS-10FFSS 90 SHORT-96CL ①
QTY - 2



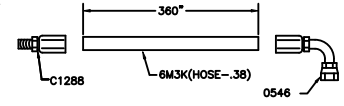
FUNCTION: MAIN CYL. TO VALVE BANK (MAIN EXTEND/RETRACT)

STELLAR #41121 -0.50(4500PSI)-8FFSS-8FFSS 90 SHORT-360CL ②
QTY - 2

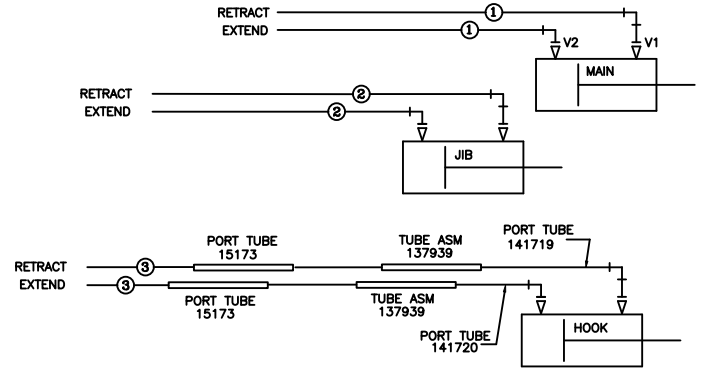
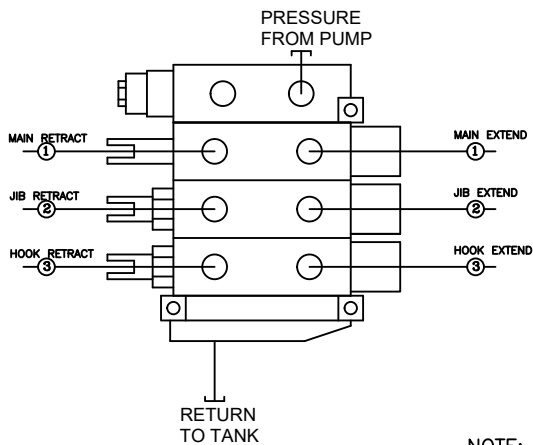


FUNCTION: VALVE BANK (JIB EXTEND/RETRACT) TO JIB CYL

STELLAR #142922-0.38(3000PSI)-6MFSS-6FFSS 90 SHORT-360CL ③
QTY - 2



FUNCTION: HOOK PORT TUBE TO VALVE BANK (HOOK EXTEND/RETRACT)

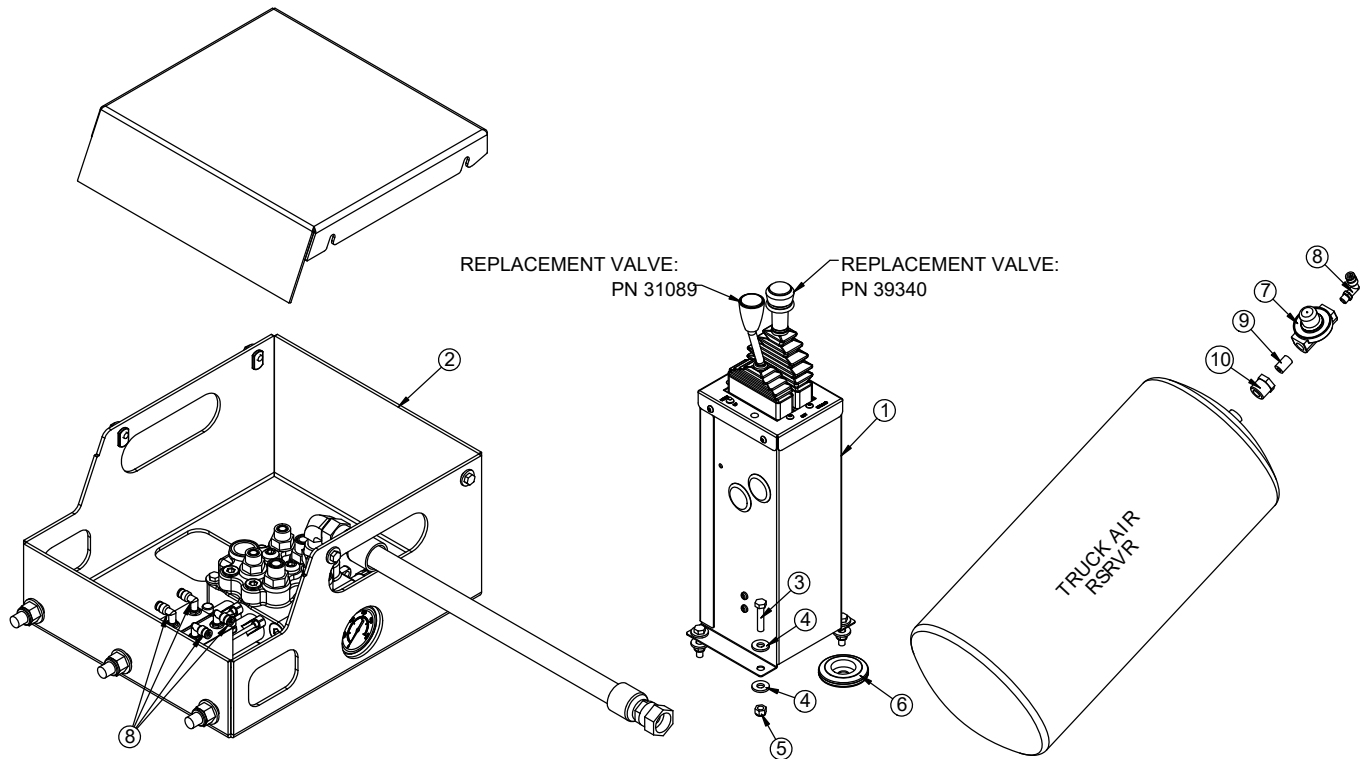


NOTE: SYSTEM PRESSURE IS 4500 P.S.I.

PN 142877

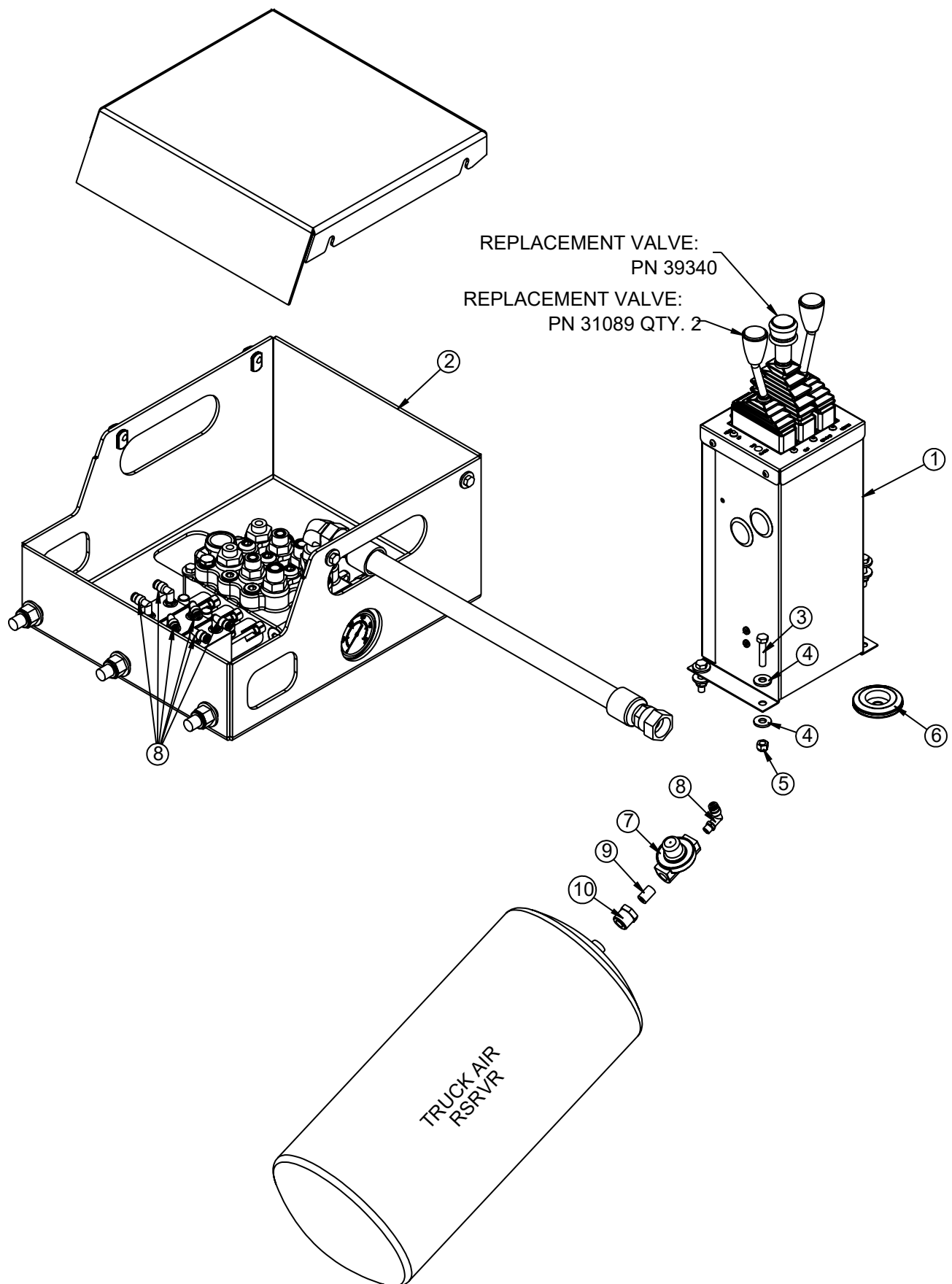
ITEM	PART	DESCRIPTION	QTY
01	70410	HOSE 0.63(4500PSI)-12FFSS-10FFSS 90 SHORT-96CL	2
02	41121	HOSE 0.50(4500PSI)-8FFSS-8FFSS 90 SHORT-360CL	2
03	149299	HOSE 0.38(3000PSI)-6FFSS-6FFSS 90 SHORT-360CL	2
REV. B - REQ946			

NXT68 Controller Assembly PN 131283



PN 131283			
ITEM	PART	DESCRIPTION	QTY
1	131279	CONTROLLER ASM AIR 2 SECT NXT52	1
2	129905	VB ASM 2S VDM8 NXT52	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
INITIAL RELEASE - REQ949			

Controller Asm, 3-Sect w VB Asm PN 131705

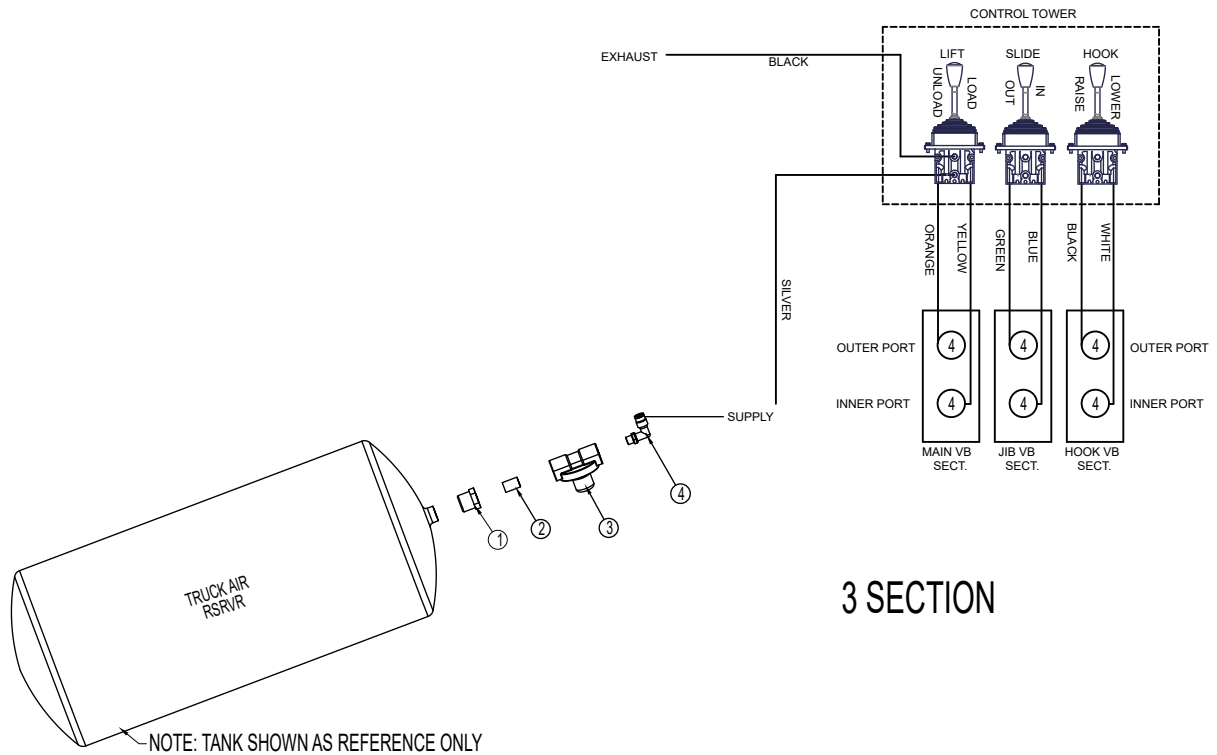


Controller Asm, 3-Sect w VB Asm PN 131705 Parts List

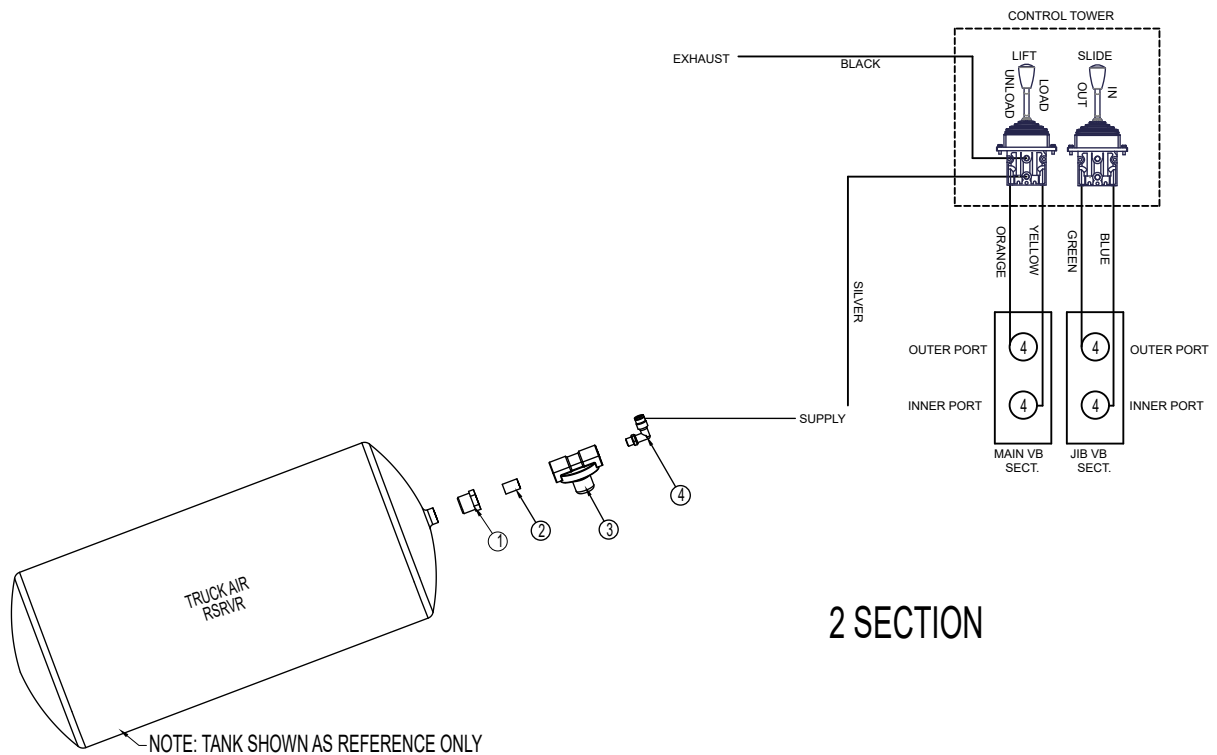
PN 131705			
ITEM	PART	DESCRIPTION	QTY
1	131707	CONTROLLER ASM AIR 3 SECT NXT52	1
2	132329	VB ASM 3S VDM8 NXT52	1
3	486	CAP SCR 0.31-18X1.50 HHGR5	4
4	343	WASHER 0.31 USS FLAT	8
5	342	NUT 0.31-18 HHGR5 NYLOC	4
6	16948	GROMMET 2.50ODX1.50GDX0.13X0.56ID	1
7	35211	PTO AIR REGULATOR 378414	1
8	45687	FTG 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
REQ946			

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

Air Schematic Control Tower Asm PN



3 SECTION



2 SECTION

Air Schematic Control Tower Asm PN 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

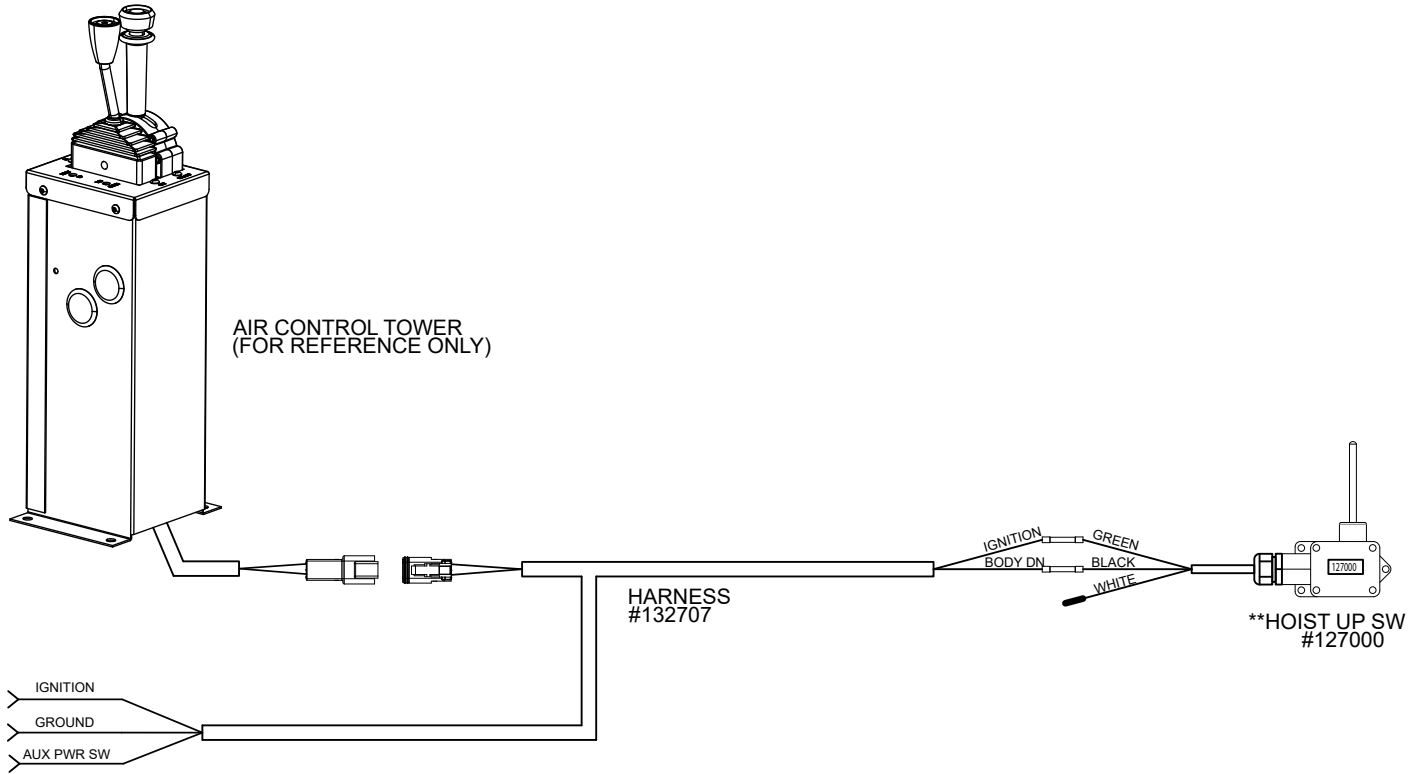
2-SECTION PN 132688

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

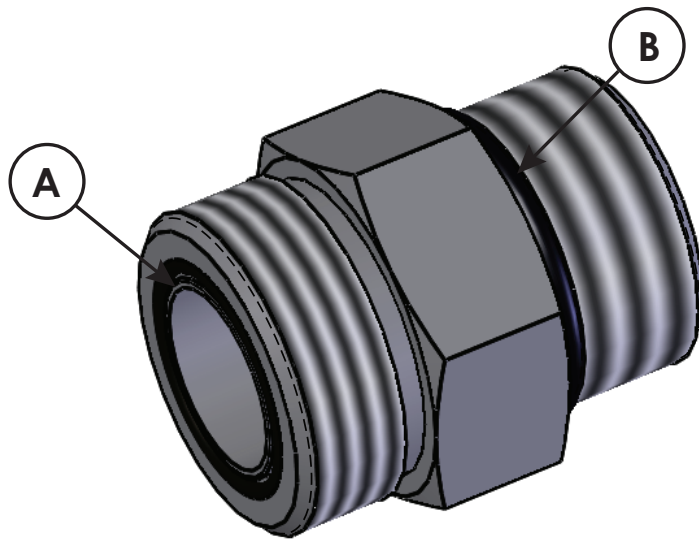
NOTES:

* HOIST UP SWITCH IS PART OF KIT # 127153.

** AIR CONTROL TOWER IS PART OF CONTROLLER ASSEMBLY.

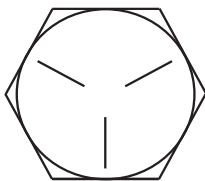
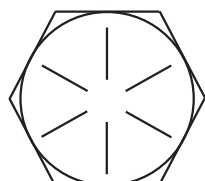
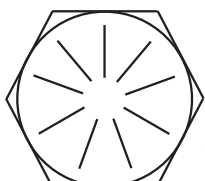
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Face Seal / O-Ring Size Chart



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.
- **Shear 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 37° 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

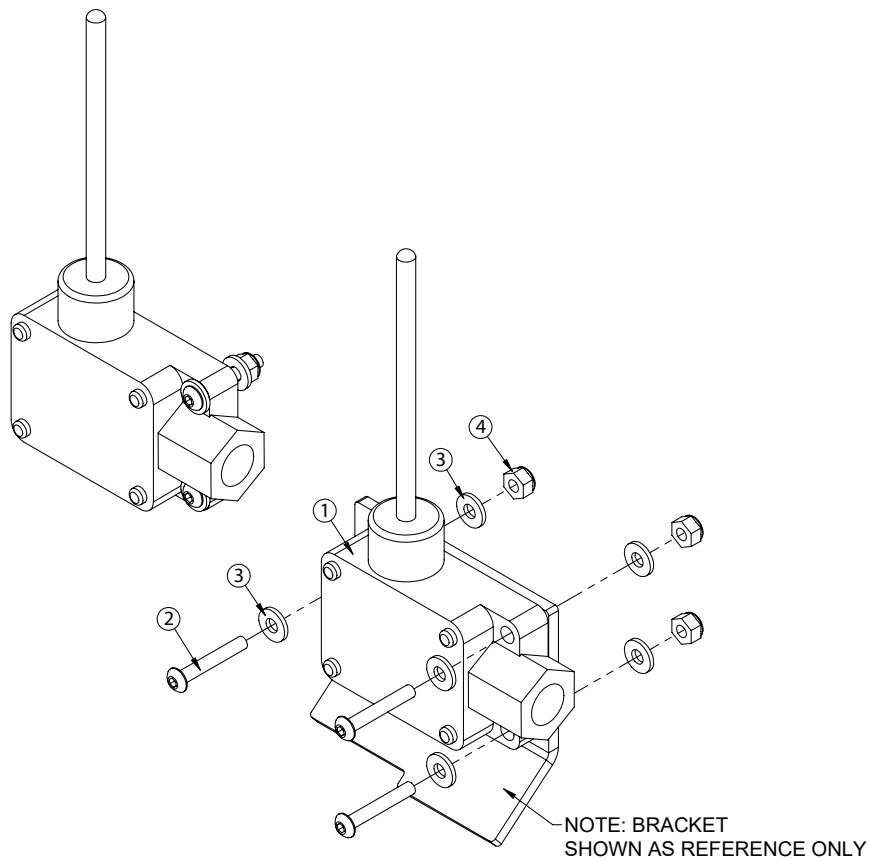
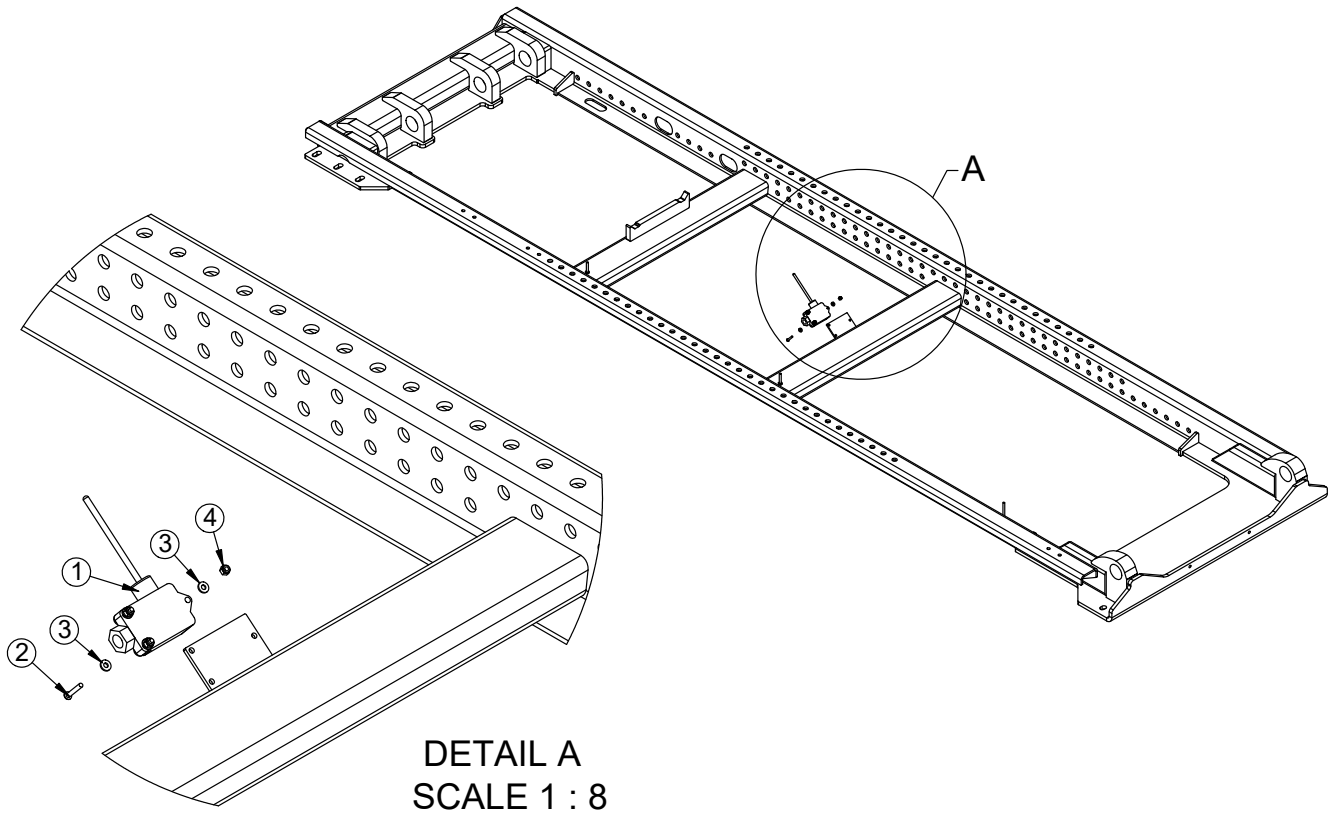
Face Seal Female Swivel Fittings

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



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

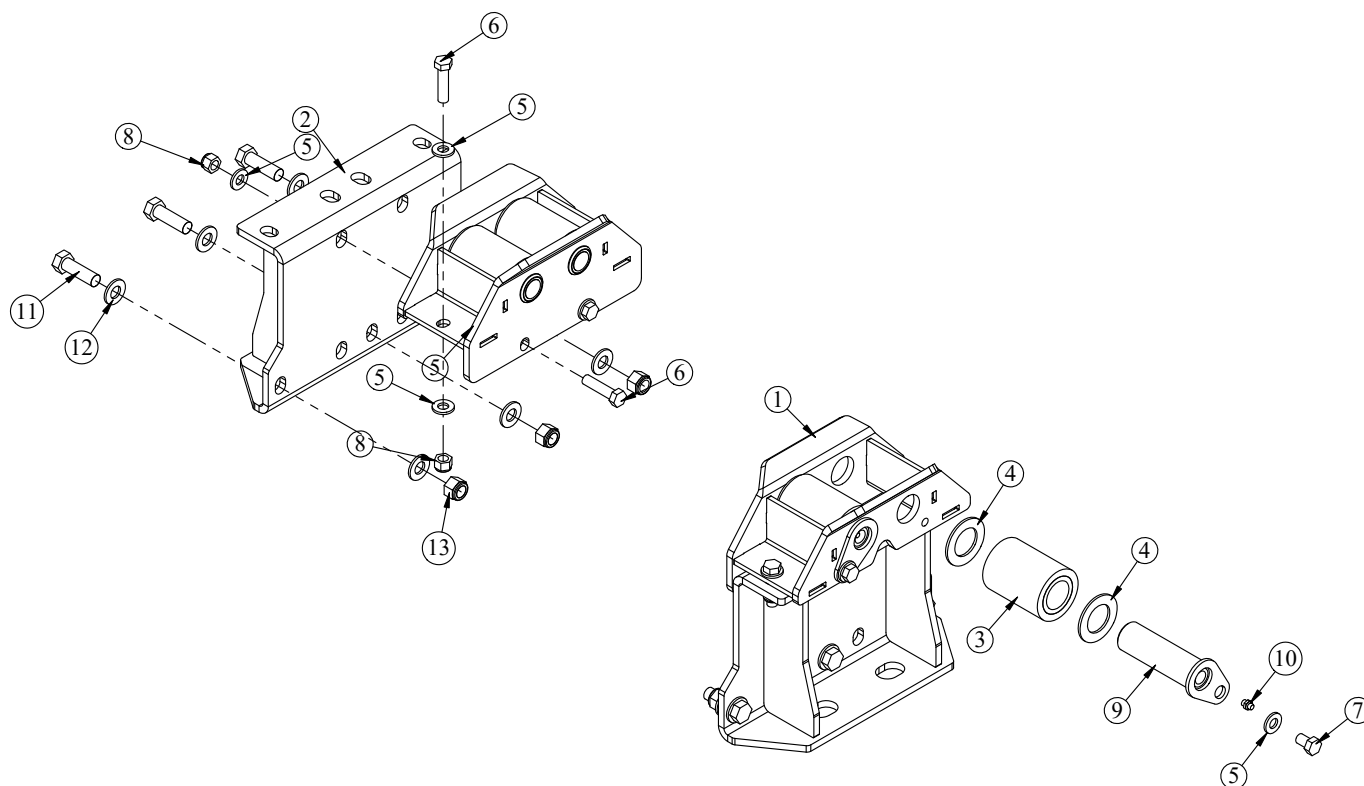
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Chapter 4 - Accessory Drawings

CHAPTER CONTENTS

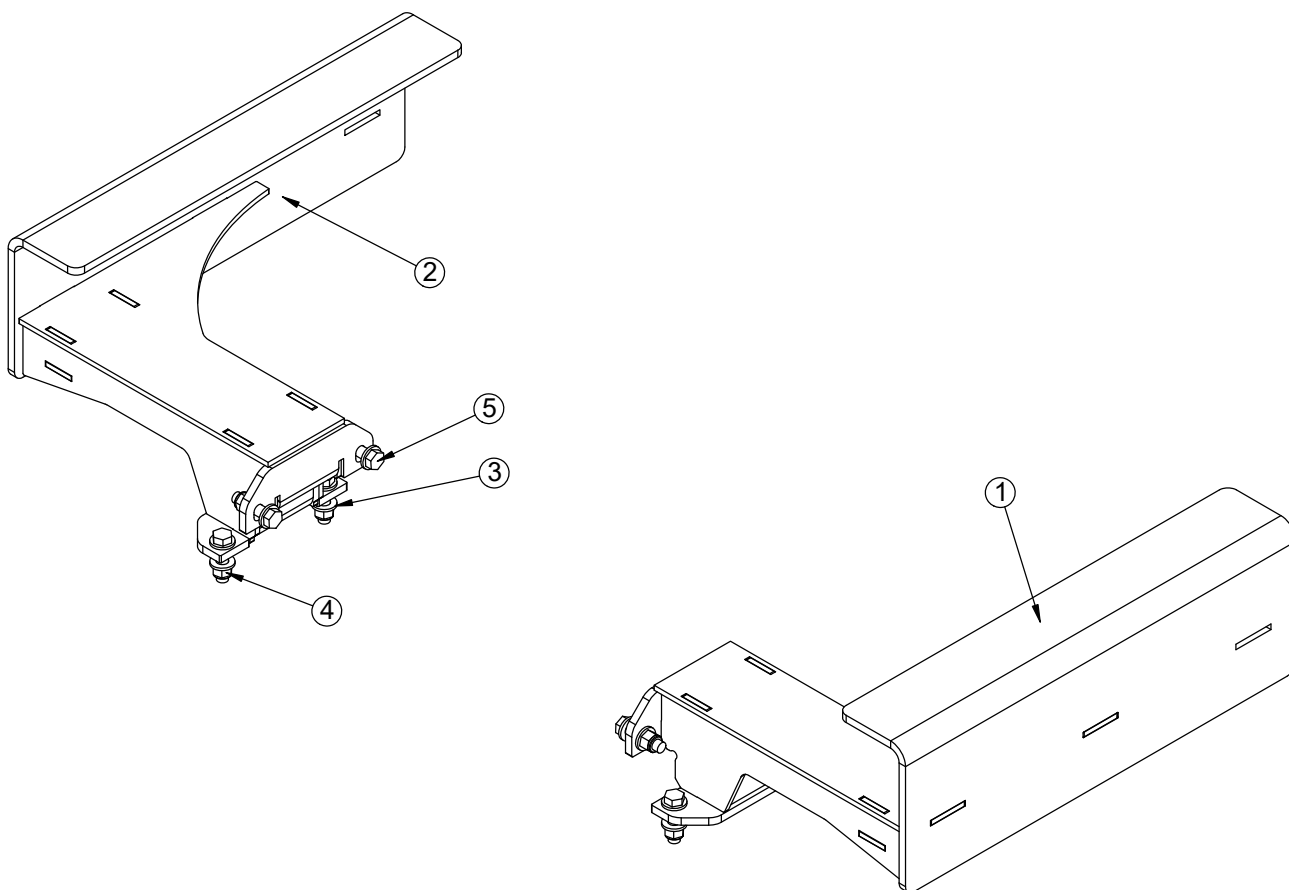
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Saddle Asm Roller - PN 135911



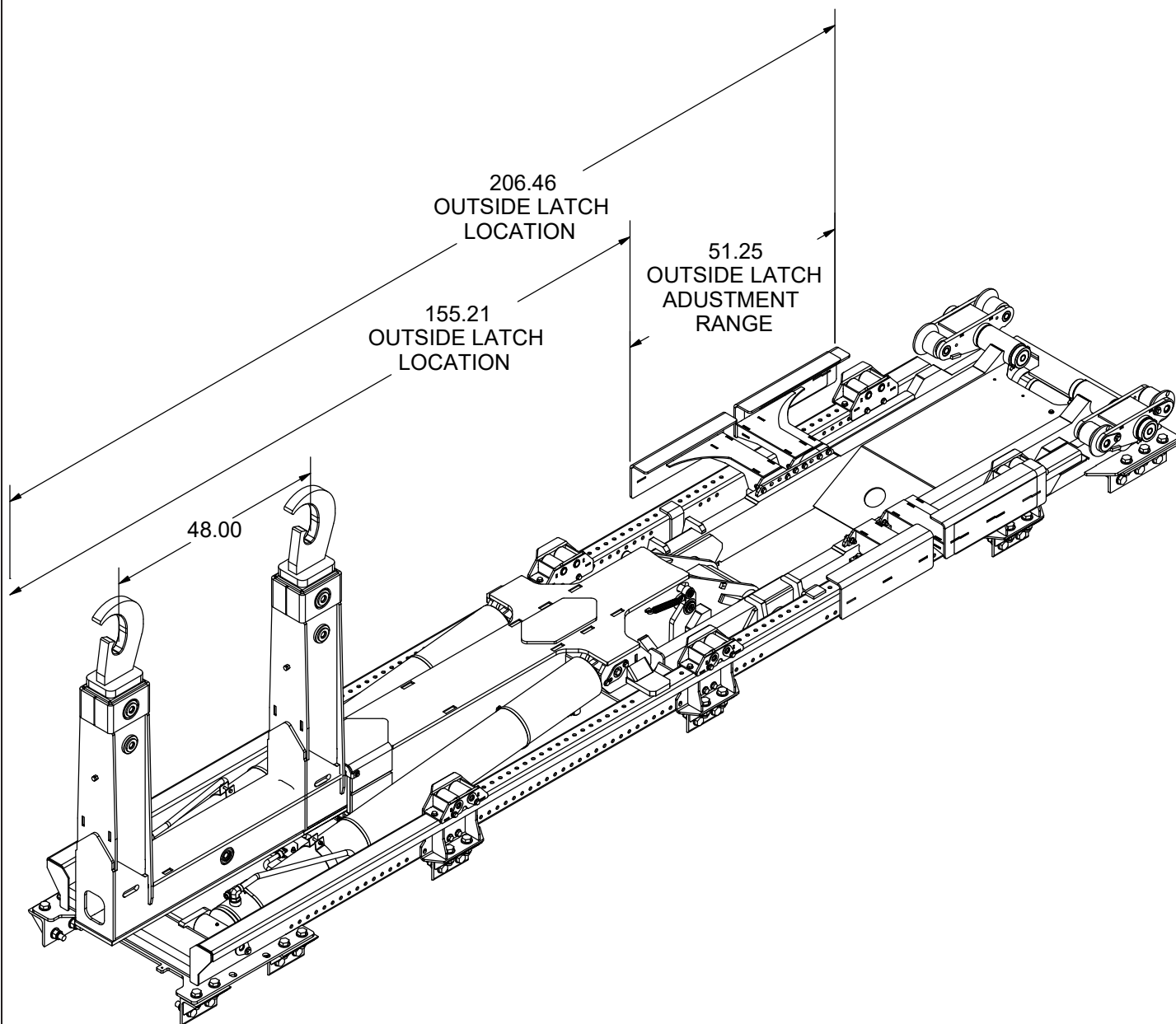
PN 135911			
ITEM	PART	DESCRIPTION	QTY
1	129374	WLDMT SADDLE CARRIAGE NXT52	2
2	135730	WLDMT SADDLE SUPPORT NXT68	2
3	124209	ROLLER ASM 1.50X2.75X3.69	4
4	D0419	THRUST WASHER	8
5	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	20
6	8833	CAP SCR 0.50-13X2.00 HHGR8	8
7	9844	CAP SCR 0.50-13X0.75 HHGR8	4
8	5468	NUT 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			

NXT68 Outside Latch Asm Bolt On - PN 134781

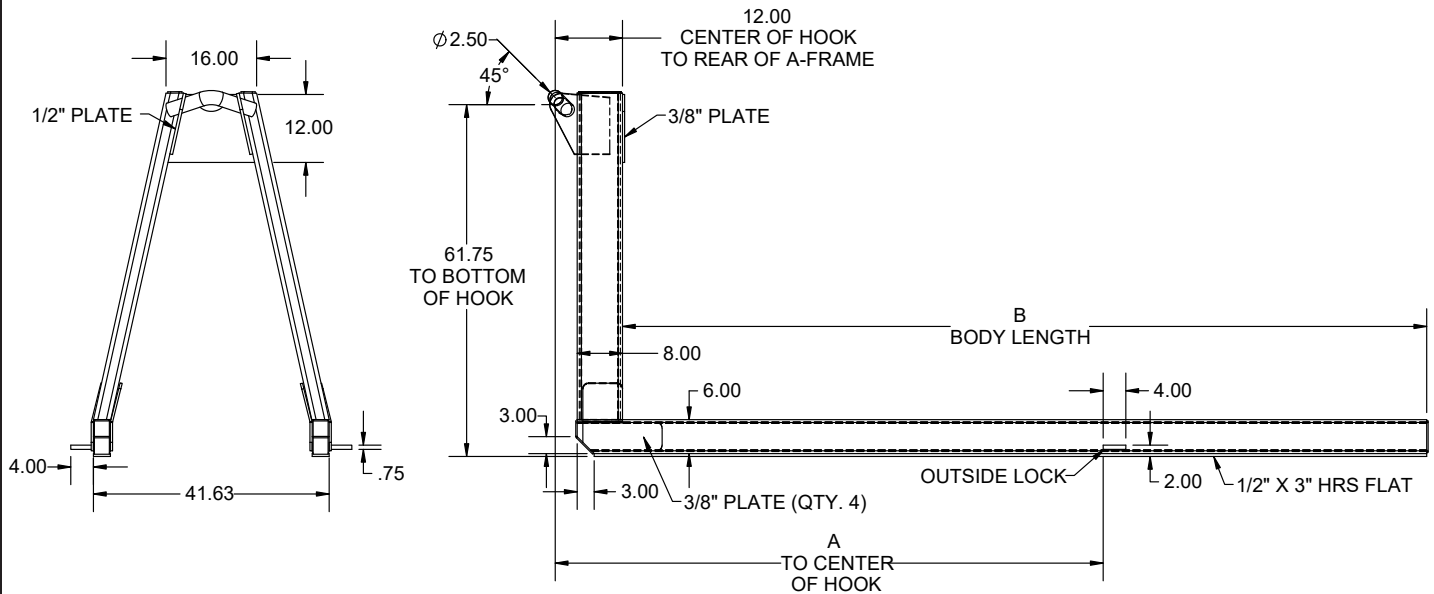


PN 134781			
ITEM	PART	DESCRIPTION	QTY
1	134165	WLDMNT LOCK OUTER SS NXT75	1
2	134778	WLDMNT LOCK OUTER CS NXT75	1
3	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	16
4	5468	NUT 0.50-13 HHGR8 NYLOC	8
5	8833	CAP SCR 0.50-13X2.00 HHGR8	8
INITIAL RELEASE			

NXT68 Outside Latch Assembly Location



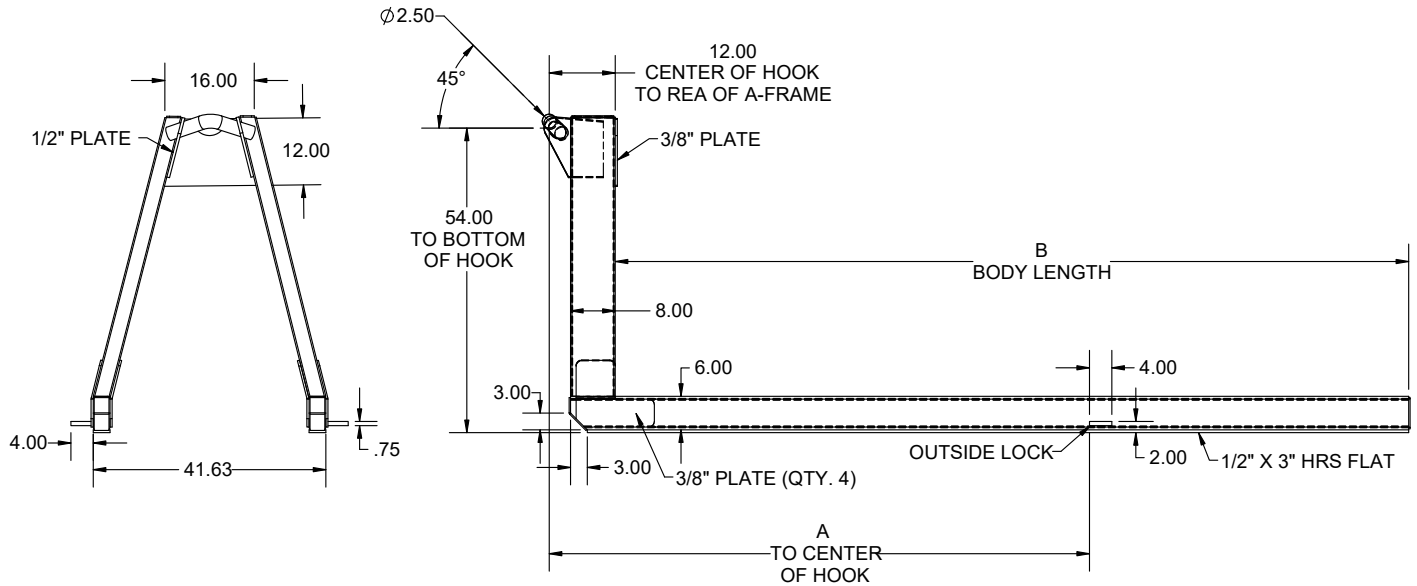
Skid Drawing 62" HH - PN 132904



PN 132904			
PART NO.	DESCRIPTION	A	B
29147	SKID 62' HH 8X3 16' 156" OUTSIDE LOCK	156	192
134159	SKID 62' HH 8X3 17' 156" OUTSIDE LOCK	156	204
8584	SKID 62' HH 8X3 18' 156" OUTSIDE LOCK	156	216
8585	SKID 62' HH 8X3 19' 156" OUTSIDE LOCK	156	228
8586	SKID 62' HH 8X3 20' 197.25" OUTSIDE LOCK	197.25	240
8587	SKID 62' HH 8X3 21' 197.25" OUTSIDE LOCK	197.25	252
8588	SKID 62' HH 8X3 22' 197.25" OUTSIDE LOCK	197.25	264

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

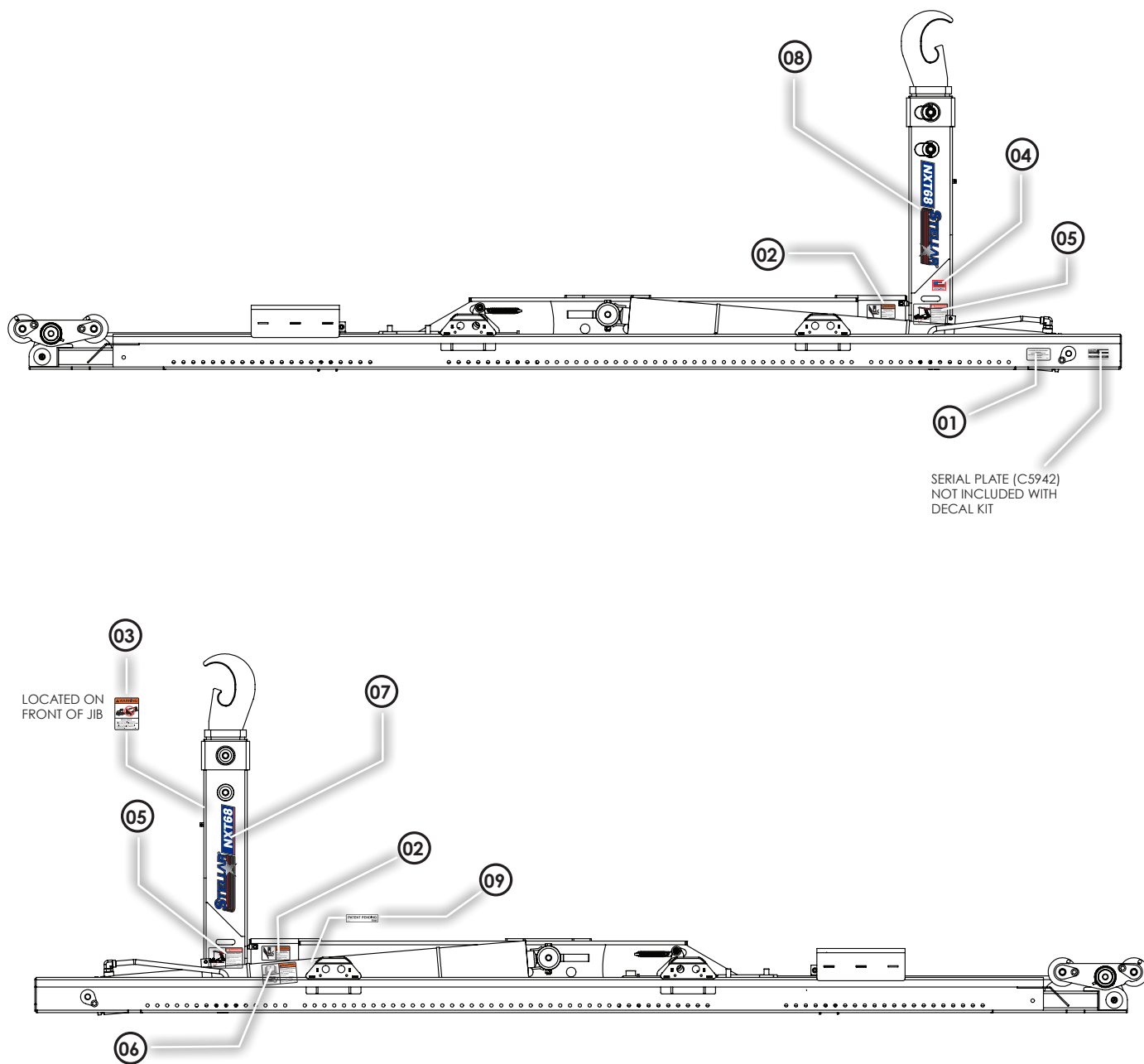
Skid Drawing 54" HH - PN 133932



PN 133932			
PART NO.	DESCRIPTION	A	B
134152	SKID 54" HH 8X3 16' 156" OUTSIDE LOCK	156	192
134153	SKID 54" HH 8X3 17' 156" OUTSIDE LOCK	156	204
134154	SKID 54" HH 8X3 18' 156" OUTSIDE LOCK	156	216
134155	SKID 54" HH 8X3 19' 156" OUTSIDE LOCK	156	228
134156	SKID 54" HH 8X3 20' 197.25" OUTSIDE LOCK	197.25	240
134157	SKID 54" HH 8X3 21' 197.25" OUTSIDE LOCK	197.25	252
134158	SKID 54" HH 8X3 22' 197.25" OUTSIDE LOCK	197.25	264

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

NXT68 Hooklift Decals - PN 135600



NXT68 DECAL KIT - PN 135600

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	135602	DECAL NXT68 STRIPE SS	1
08	135601	DECAL NXT68 STRIPE CS	1
09	143384	DECAL PATENT PENDING	1



Subject to Change without Notification.
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