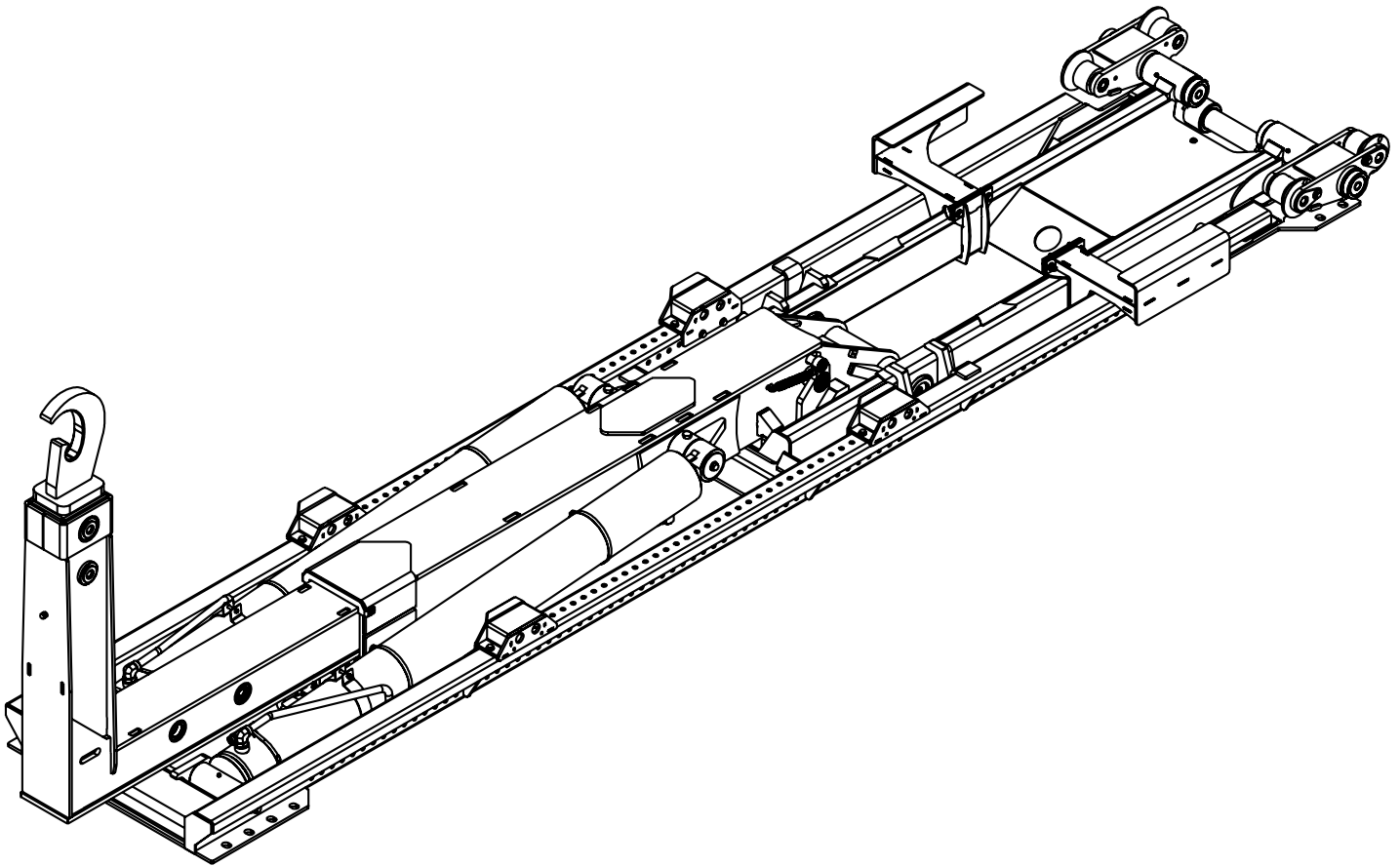




NXT40 Hooklift Parts Manual

Installation • Assembly Drawings • Parts



Stellar Industries, Inc.

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www.stellarindustries.com

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REV1
PN: 134594

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

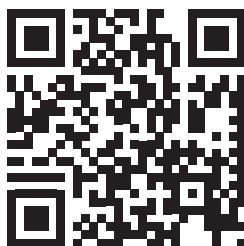
service@stellarindustries.com

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.



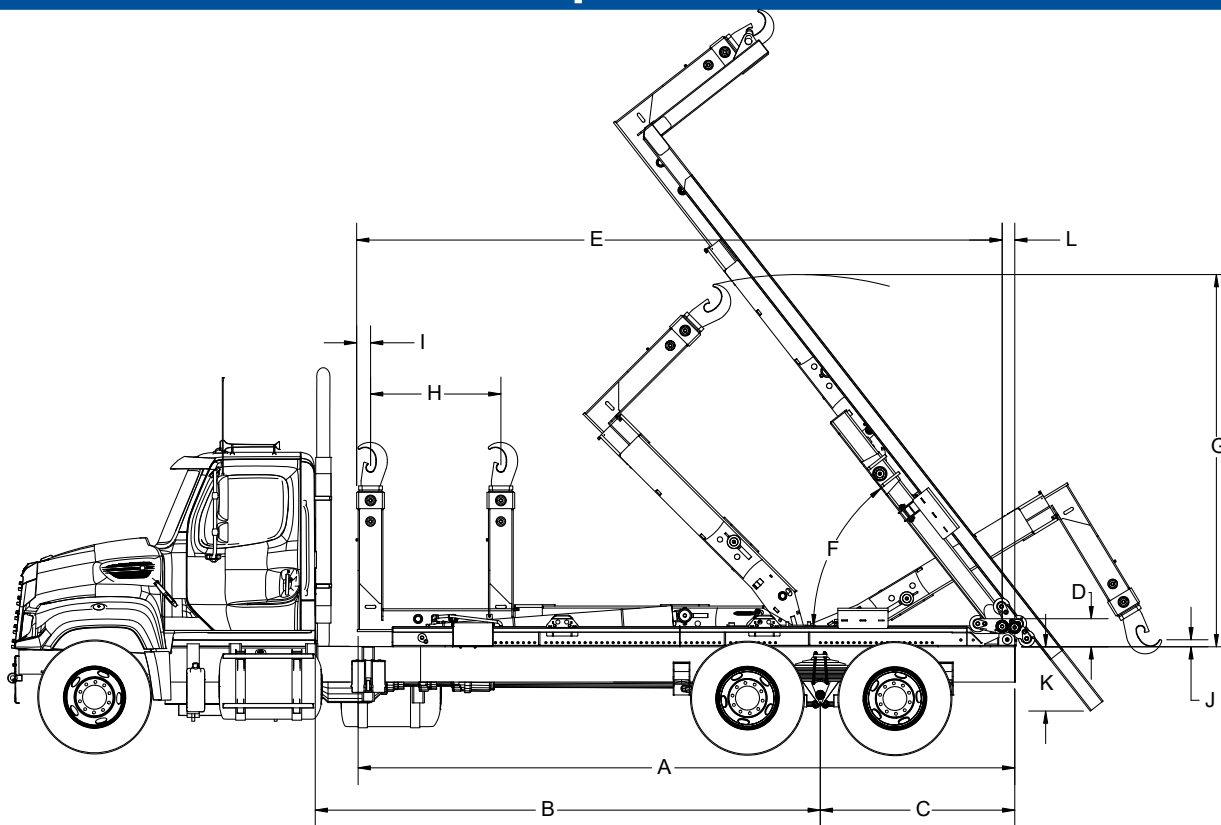
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Chapter 1 - Specifications

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| Serial Tag Location..... | 4 |

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) | |

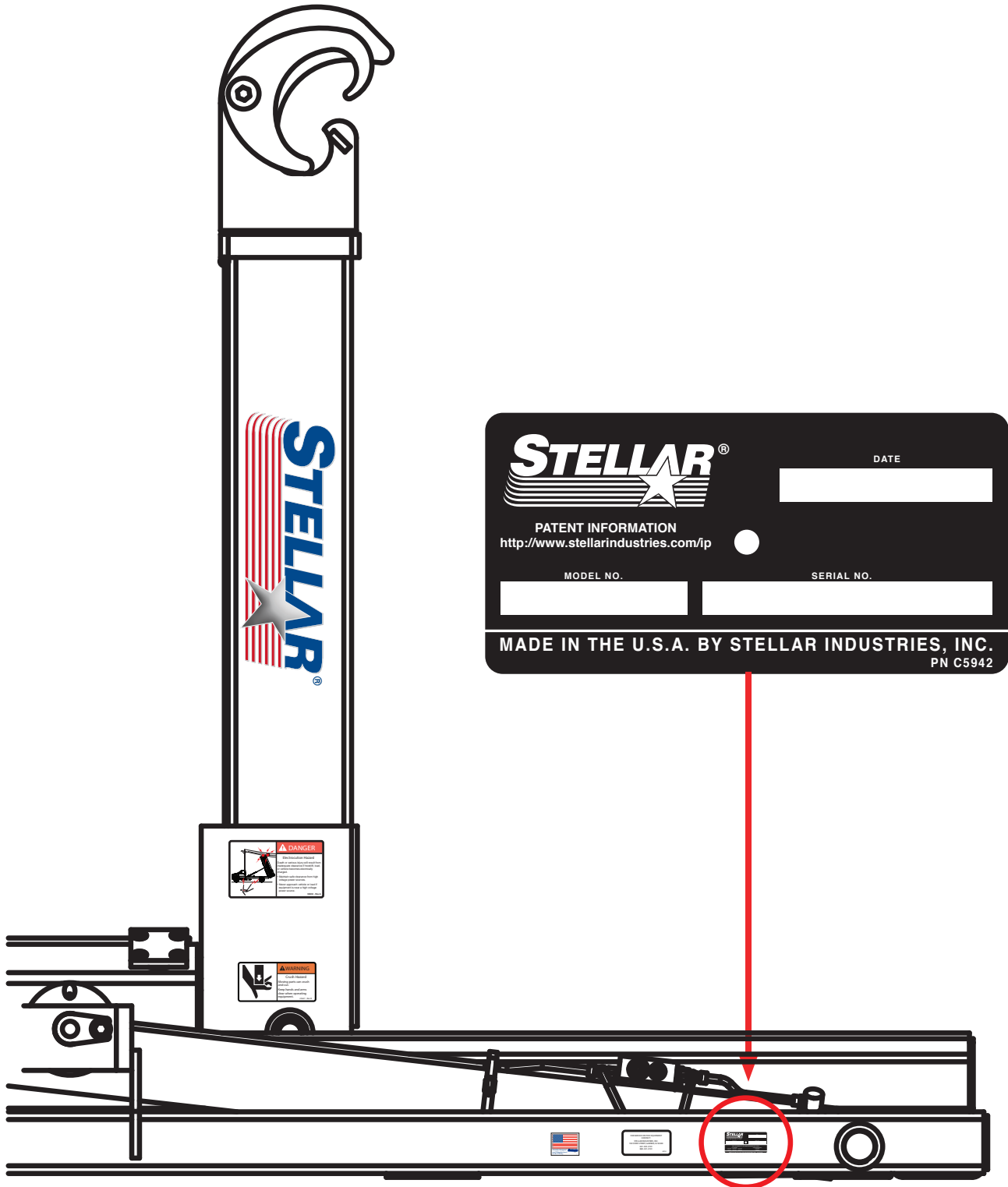
*ASSUMES 3' OVERHANG FROM CENTER OF REAR ROLLER PIN. (BUMPER TYPICALLY 12" FROM CENTER OF ROLLER PIN)

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:

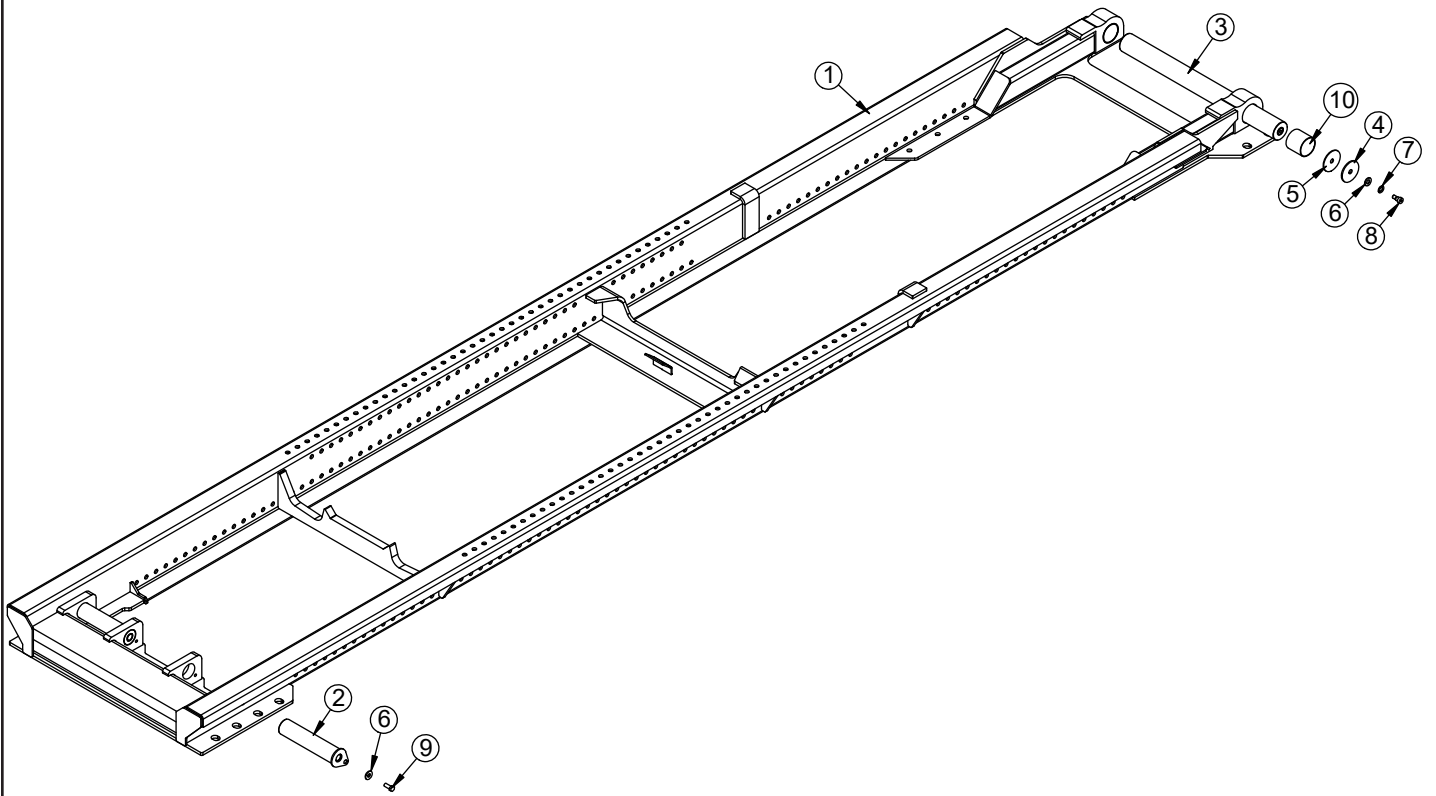


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| NXT40 Cyl Asm 4.00 x 48.00 - PN 127968..... | 22 |
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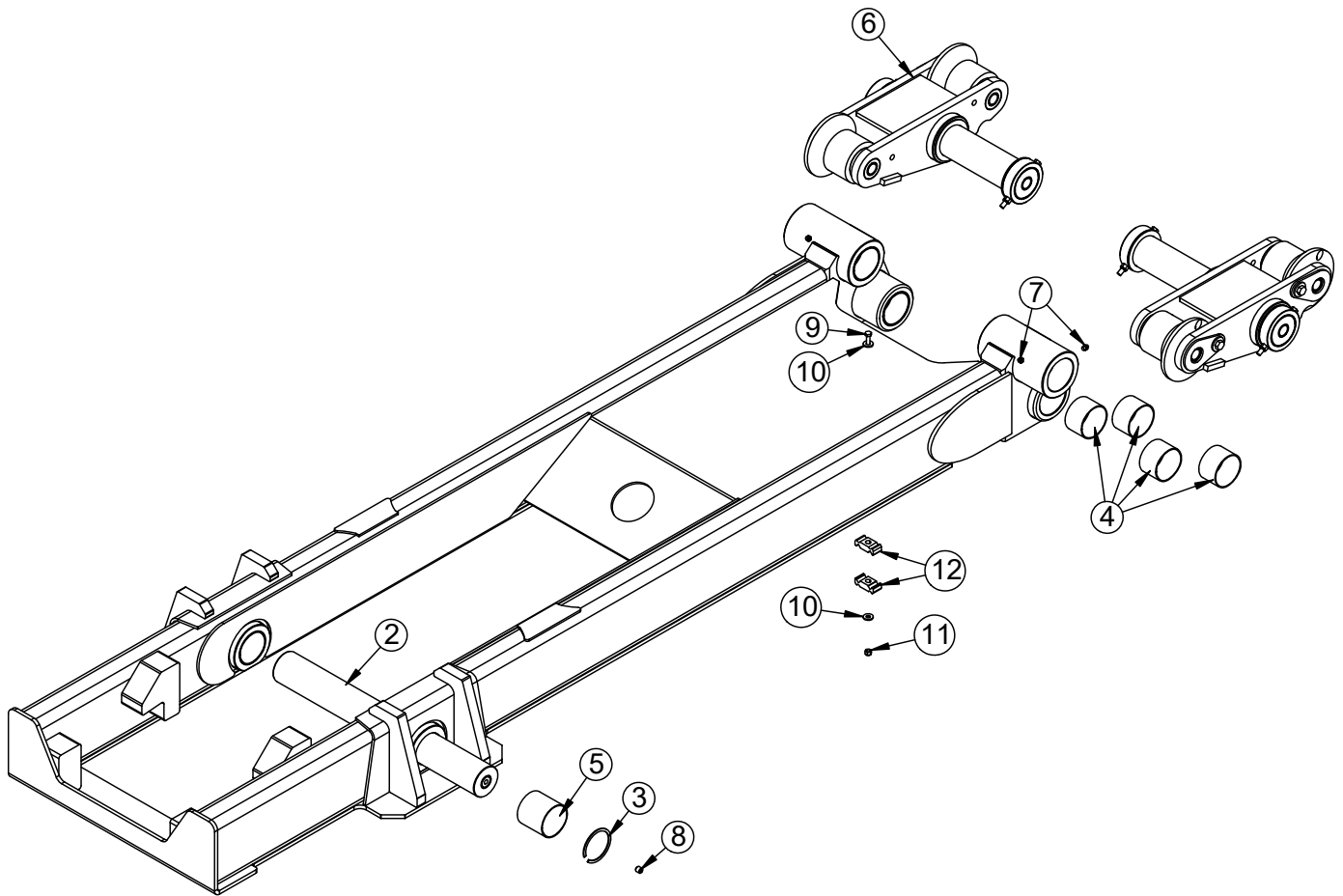
NXT40 Base Assembly - PN 129228



NXT40 Base Assembly - PN 129228 Parts List

| PN 129228 | | | |
|-----------------|----------|--------------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 129229 | BASE NXT52 | 1 |
| 2 | 129433CR | PIN TEAR DROP 2.50X11.38 ZC | 2 |
| 3 | 129370CR | PIN 3.00X32.63 D&T ZC | 1 |
| 4 | 8455 | PIN CAP 0.69X3.50X0.19 YZ | 2 |
| 5 | 12921 | THRUST WASHER 0.64X3.50X0.125 | 2 |
| 6 | 0352 | WASHER 0.50 USS FLAT | 4 |
| 7 | 12711 | THRUST WASHER 0.63 DIA | 2 |
| 8 | 12673 | BOLT SHOULDER 0.63X0.50 0.50-13X0.75 | 2 |
| 9 | 0498 | CAP SCR 0.50-13X1.25 HHGR5 | 2 |
| 10 | 2227 | BUSHING BPC48DXR48 3.00X3.00 | 2 |
| INITIAL RELEASE | | | |

NXT40 Dump Assembly - PN 128940

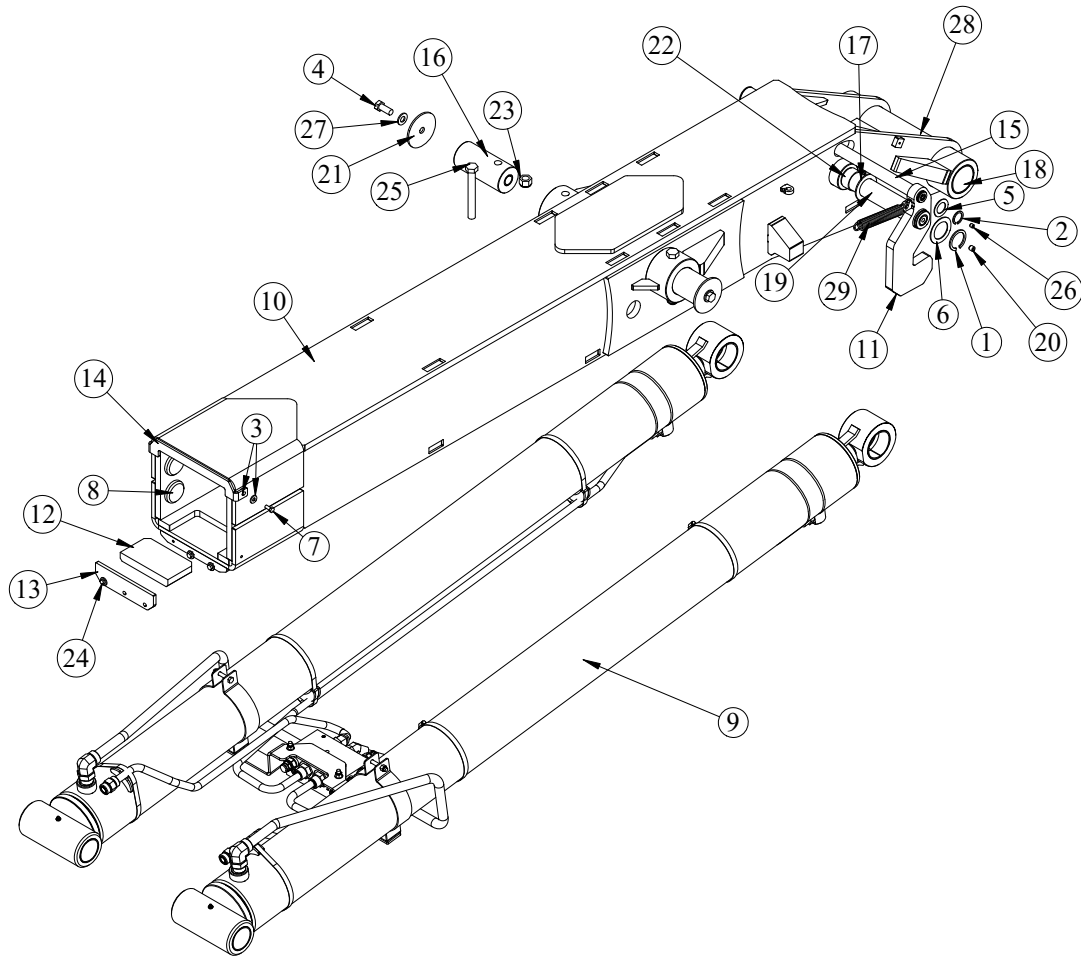


NXT40 Dump Assembly - PN 128940 Parts List

PN 128940

| ITEM | PART | DESCRIPTION | QTY |
|-------|----------|-------------------------------------|-----|
| 1 | 128941 | DUMP NXT52 | 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 |
| REV A | | | |

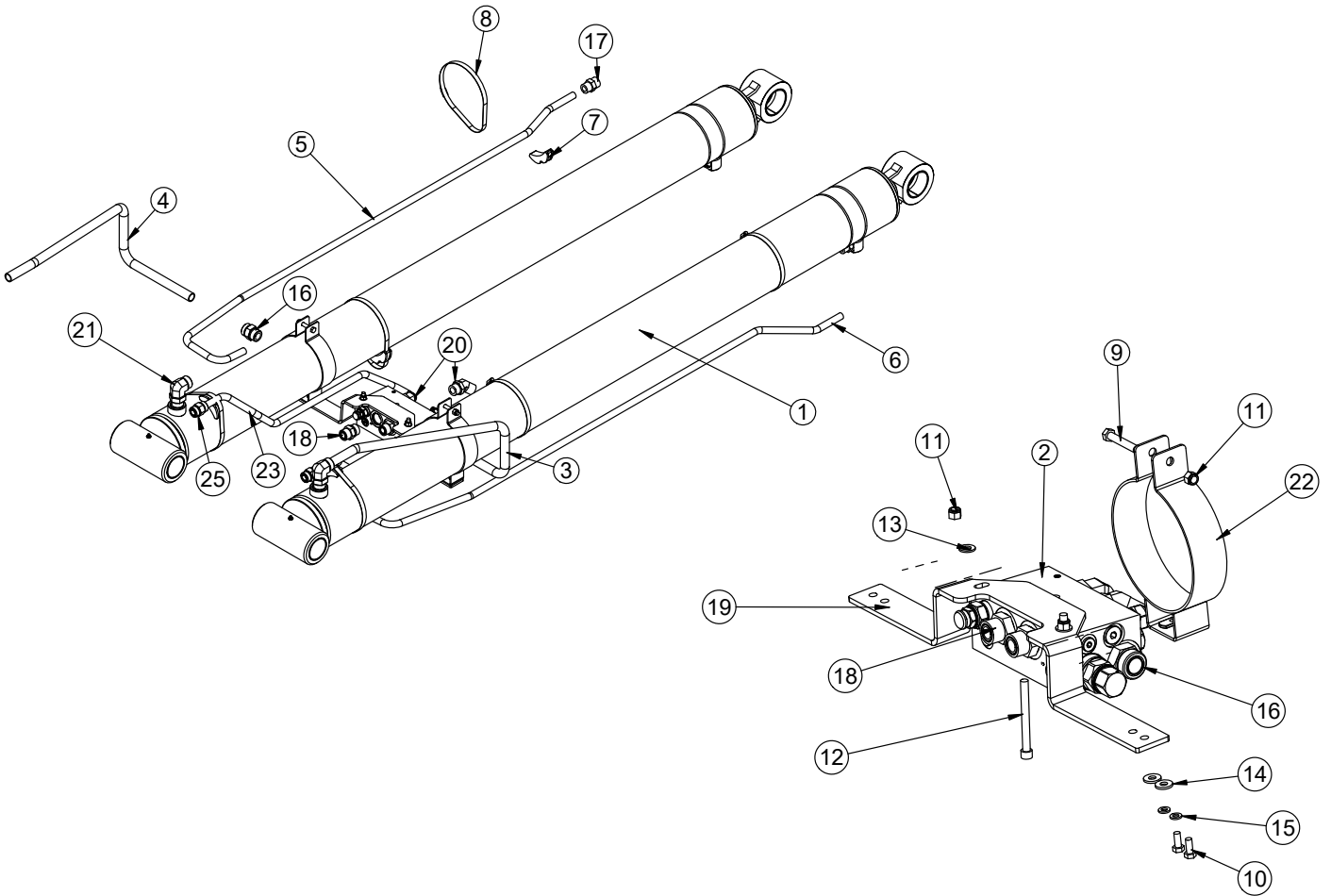
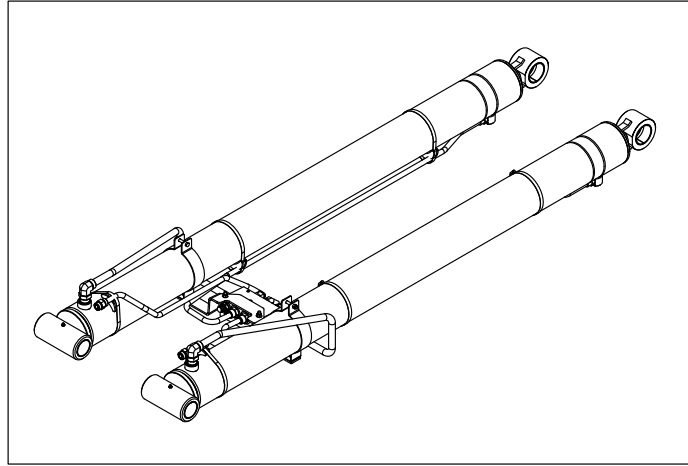
NXT40 Secondary/Dump Latch Asm - PN 131234



NXT40 Secondary/Dump Latch Asm - PN 131234 Parts

| PN 131234 | | | |
|----------------------|----------|-------------------------------------|-----|
| 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 | 4 |
| 9 | 131233 | CYLINDER ASM NXT40 | 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 | | | |

NXT40 Main Cylinder Assembly - PN 131233

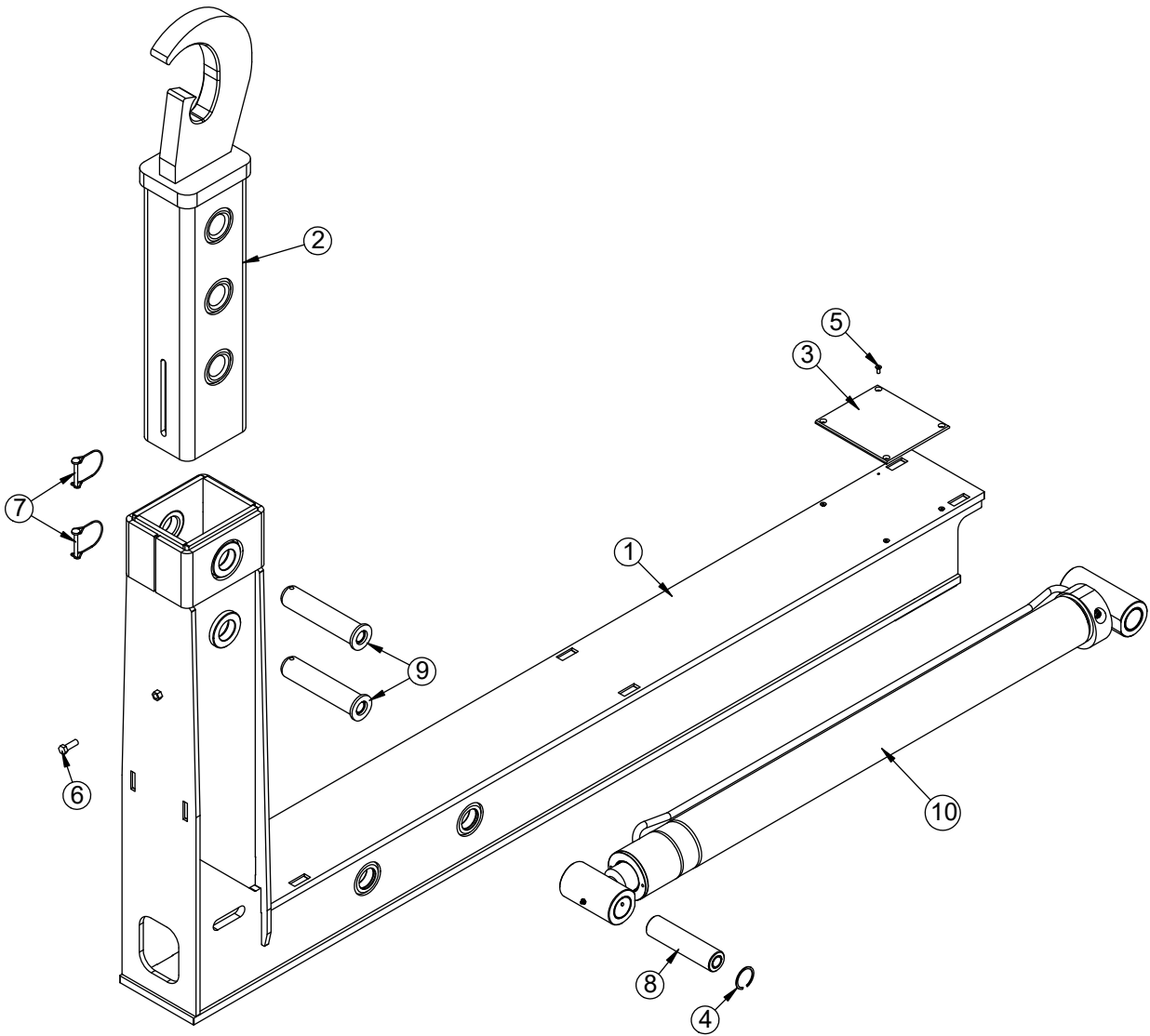


NXT40 Main Cylinder Assembly - PN 131233 Parts List

| PN 131233 | | | |
|-----------|--------|---------------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 130145 | CYLINDER 6.00X82.00 REGEN | 2 |
| 2 | 74788 | VALVE REGEN SLIDER50 | 1 |
| 3 | 129551 | TUBE ASM 1.00 NXT52 SS ZC | 1 |
| 4 | 129550 | TUBE ASM 1.00 NXT52 CS ZC | 1 |
| 5 | 129553 | TUBE ASM 0.75 NXT52 CS ZC | 1 |
| 6 | 129552 | TUBE ASM 0.75 NXT52 SS ZC | 1 |
| 7 | 18701 | CLAMP PORT TUBE ZR518 | 6 |
| 8 | 19370 | HOSE CLAMP 5.63-8.50 5416K39 | 6 |
| 9 | C0946 | CAP SCR 0.38-16X2.25 HHGR5 | 2 |
| 10 | 0420 | CAP SCR 0.31-18X0.75 HHGR5 | 4 |
| 11 | 0347 | NUT 0.38-16 HHGR5 NYLOC | 4 |
| 12 | 11898 | CAP SCR 0.38-16X3.75 SH | 2 |
| 13 | C6353 | WASHER 0.38 SAE FLAT YELLOW GR8 | 2 |
| 14 | 0343 | WASHER 0.31 USS FLAT | 4 |
| 15 | 0522 | WASHER 0.31 LOCK | 4 |
| 16 | 63180 | FTG 16-16 MFS-MORB STRAIGHT | 2 |
| 17 | C2142 | FTG 12-12 MFS-MORB STRAIGHT | 2 |
| 18 | C2269 | FTG 12-16 MFS-MORB STRAIGHT | 2 |
| 19 | 129554 | BRKT CYL CROSSMEMBER NXT52 | 1 |
| 20 | 7351 | FTG ST TH ELBOW 45 DEG 12V5OLO | 2 |
| 21 | 59959 | FTG 16-16 MFS-MAORB 90 | 2 |
| 22 | 131235 | WLDMT BRKT CYL MOUNT NXT40 BLACK | 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



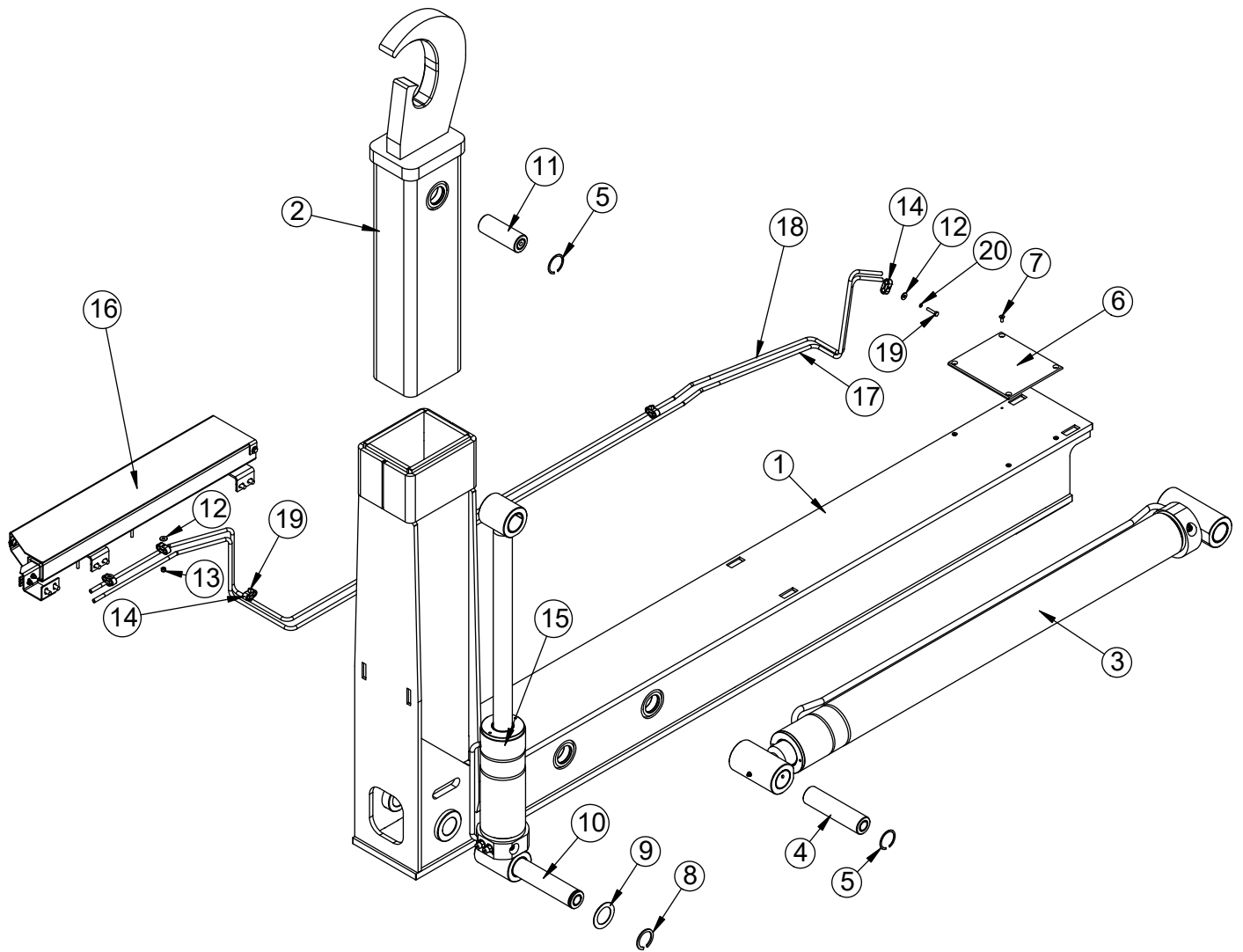
NXT40 Jib Asm 54/62HH, Manual PN 129059 Parts List

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 FSHH 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

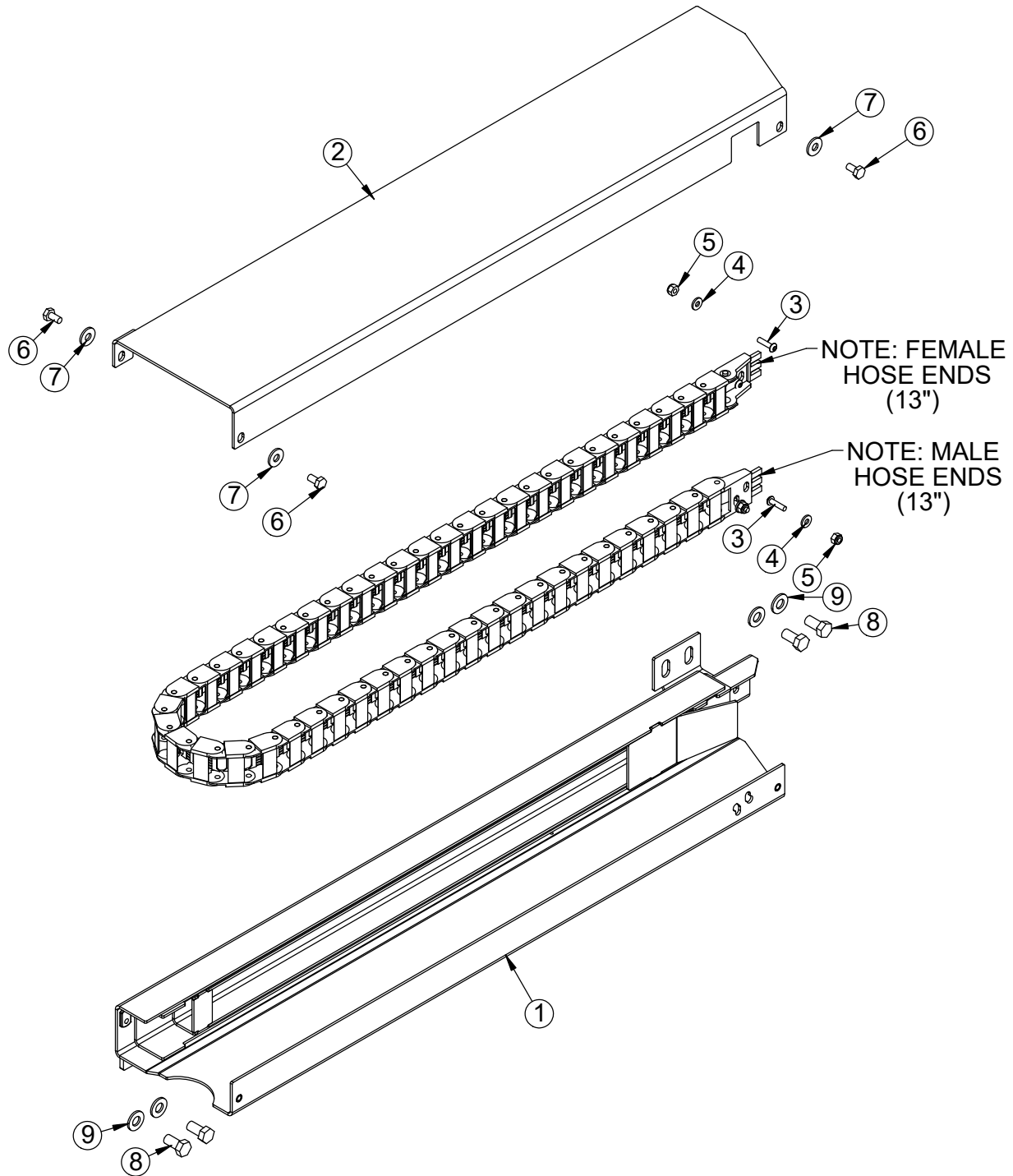
NXT40 Jib Asm 54/62HH, Hydraulic PN 129244



NXT40 Jib Asm 54/62HH, Hydraulic PN 129244

| PN 129244 | | | |
|-----------|----------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 129245 | JIB NXT 52 HYD | 1 |
| 2 | 129246 | JIB TOP NXT52 54/62HH HYD | 1 |
| 3 | 127968 | CYLINDER ASM 4.00X48.00 NXT52 | 1 |
| 4 | 131913CR | PIN 2.00X8.00 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 FSHH 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 2.00X5.38 ZC | 1 |
| 12 | 0340 | WASHER 0.25 USS FLAT | 5 |
| 13 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 2 |
| 14 | 96567 | CLAMP 0.38 PORT TUBE TWIN - STAUFF LNGF | 5 |
| 15 | 127967 | CYLINDER ASM 4.00X7.75 NXT52 | 1 |
| 16 | 130154 | HOSE TRACK ASM NXT52 | 1 |
| 17 | 130146 | TUBE ASM 0.38 JIB HH CS NXT52 | 1 |
| 18 | 130147 | TUBE ASM 0.38 JIB HH SS NXT52 | 1 |
| 19 | 0437 | CAP SCR 0.25-20X1.25 HHGR5 | 3 |
| 20 | 0521 | WASHER 0.25 LOCK | 3 |
| REV. B | | | |

NXT40 Hose Track Assembly PN 130154



NXT40 Hose Track Assembly PN 130154 Parts List

PN 130154

| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---------------------------------|-----|
| 1 | 130155 | HOSE TRACK WLDMT NXT52 | 1 |
| 2 | 130236 | PLATE COVER HOSE TRACK NXT52 | 1 |
| 3 | D0894 | CAP SCR #10-24X0.75 BTNHD SS | 4 |
| 4 | D0178 | WASHER #10 SAE FLAT | 4 |
| 5 | C4956 | NUT #10-24 HH NYLOC SS | 4 |
| 6 | 0478 | CAP SCR 0.25-20X0.50 HHGR5 | 3 |
| 7 | 0340 | WASHER 0.25 USS FLAT | 3 |
| 8 | 9843 | CAP SCR 0.38-16X0.75 HHGR8 | 6 |
| 9 | C6353 | WASHER 0.38 SAE FLAT YELLOW GR8 | 6 |

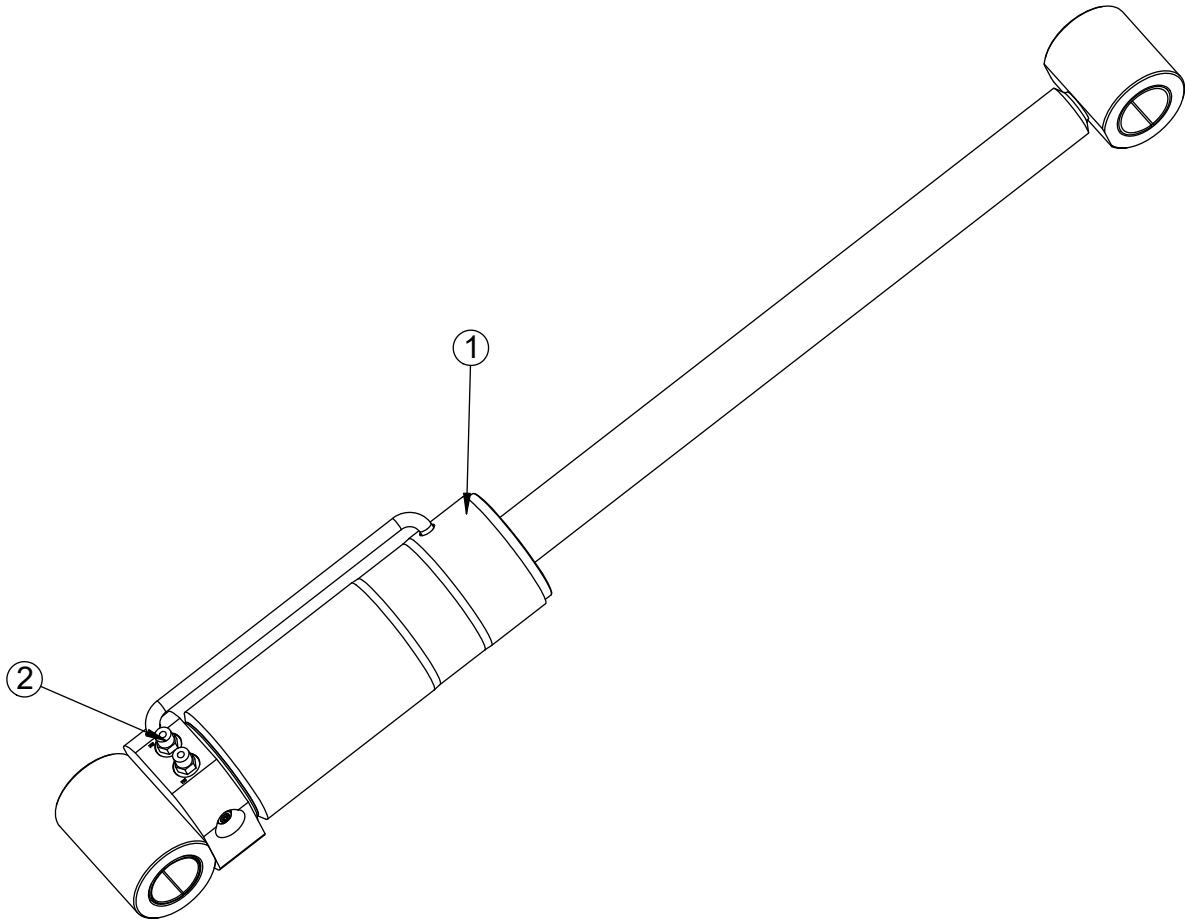
REV. B

NOTES:

HOSE TRACK AND HOSE ASSEMBLY INCLUDED IN HOSE KIT: 132321.

WHEN PLACING HOSES INTO THE HOSE TRACK, LEAVE INDICATED LENGTH OF HOSE BEYOND EACH END.

NXT40 Cylinder Assembly PN 127967



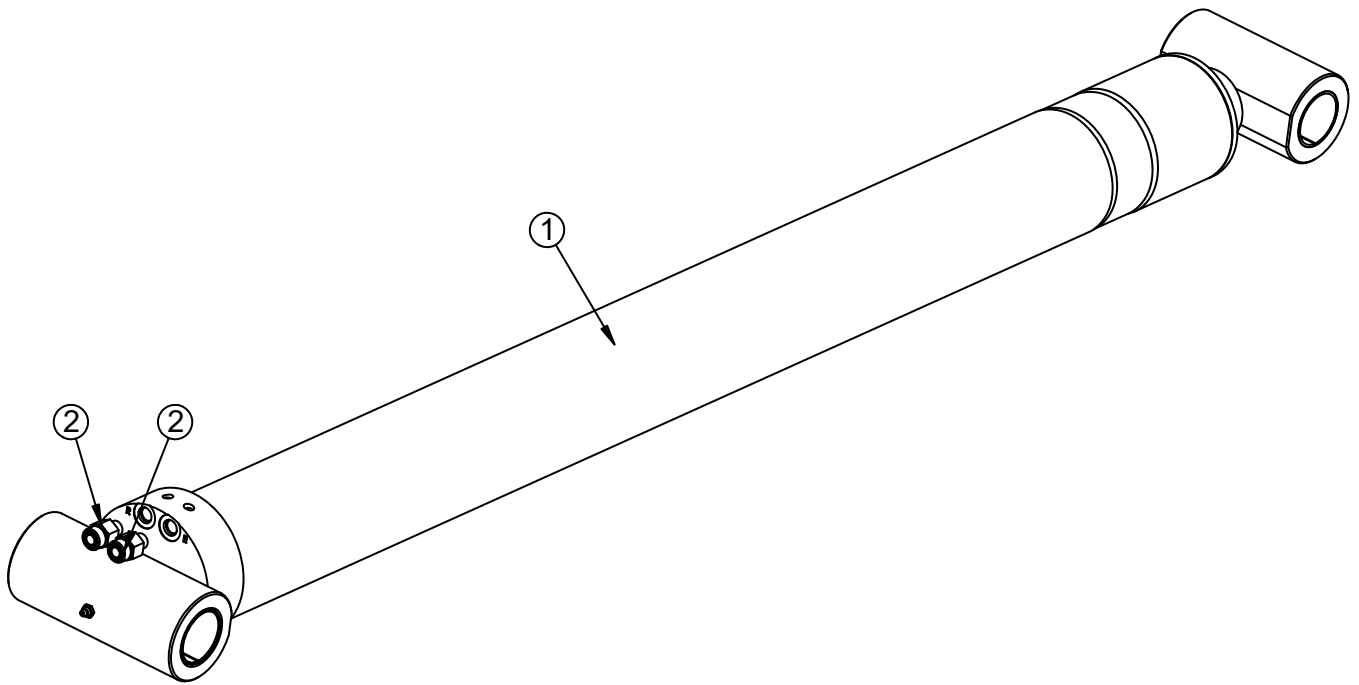
PN 127967

| ITEM | PART | DESCRIPTION | QTY |
|----------------------|--------|---------------------------|-----|
| 1 | 127964 | CYLINDER 4.00X7.75 | 1 |
| 2 | 0279 | FTG 6-6 MFS-MORB STRAIGHT | 2 |
| REV. INITIAL RELEASE | | | |

NOTES:
SEAL KIT: 32565

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NXT40 Cyl Asm 4.00 x 48.00 - PN 127968



NXT40 Cyl Asm 4.00 x 48.00 - PN 127968 Parts List

PN 127968

| ITEM | PART | DESCRIPTION | QTY |
|-----------------|--------|---------------------------|-----|
| 1 | 127965 | CYLINDER 4.00X48.00 NXT52 | 1 |
| 2 | D1290 | FTG 8-6 MFS-MORB STRAIGHT | 2 |
| INITIAL RELEASE | | | |

NOTE:

SEAL KIT PART NO:132901 - BOBALEE.

C-BALANCE VALVE PART NO: C6184 (X2)

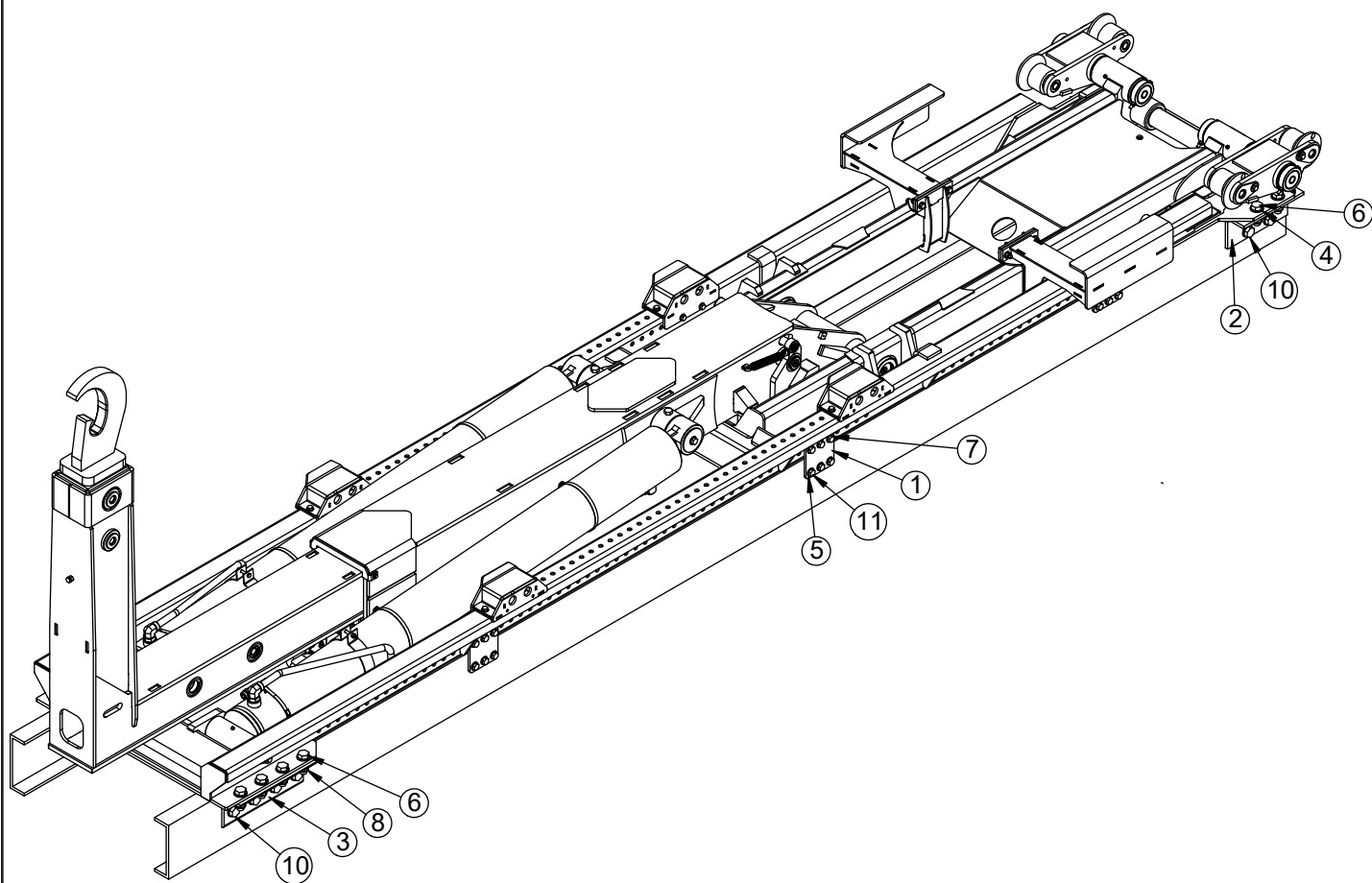
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Chapter 3 - Auxillary Assemblies NXT52

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Mounting Kit - PN 129440



Mounting Kit - PN 129440 Parts List

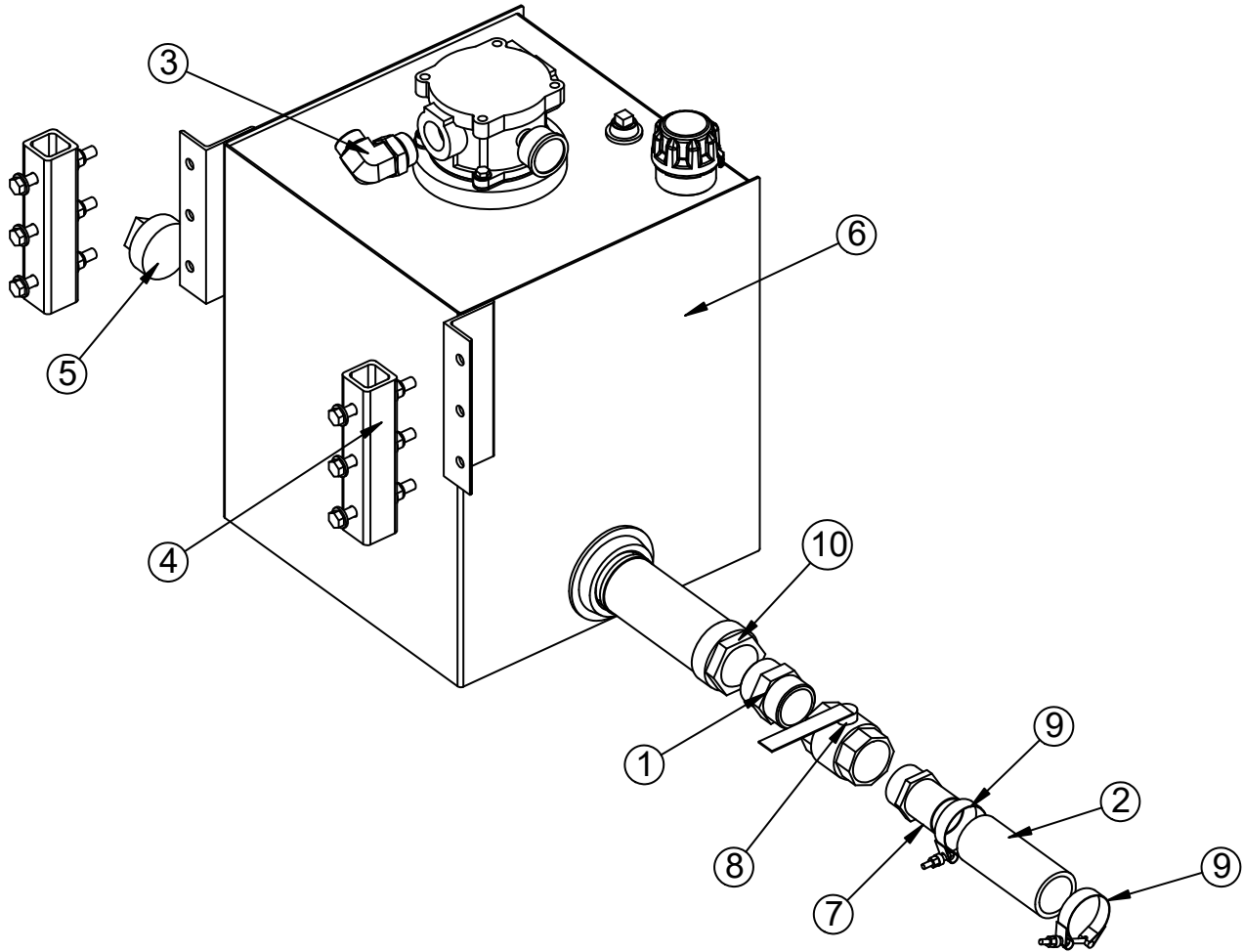
PN 129440

| ITEM | PART | DESCRIPTION | QTY |
|--------|--------|---|-----|
| 1 | 129435 | PLATE 0.50X6.25X6.00 HOLES | 6 |
| 2 | 132326 | ANGLE FORMED 4.00X6.00X0.50X12.88 SLOTS | 2 |
| 3 | 129502 | ANGLE 4.00X6.00X.50WX17.00 SLOTS | 2 |
| 4 | 6538 | WASHER 1.00 SAE FLAT YELLOW GR8 | 48 |
| 5 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 72 |
| 6 | 5199 | CAP SCR 1.00-8X3.00 HHGR8 | 12 |
| 7 | 84053 | CAP SCR 0.63-11X2.25 HHGR8 | 18 |
| 8 | 6294 | NUT 1.00-8 HHGR8 NYLOC | 24 |
| 9 | 24868 | NUT 0.63-11 HHGR8 NYLOC | 36 |
| 10 | 12169 | CAP SCR 1.00-8X3.50 HHGR8 | 12 |
| 11 | 50375 | CAP SCR 0.63-11X2.75 HHGR8 | 18 |
| REV. B | | | |

ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|--------|----------------------------|-----|
| 130468 | PLATE 0.25X2.00X6.00 HOLES | 6 |
| 130469 | PLATE 12GAX2.00X6.00 HOLES | 6 |

Reservoir Assembly - PN 130144



Reservoir Assembly - PN 130144 Parts List

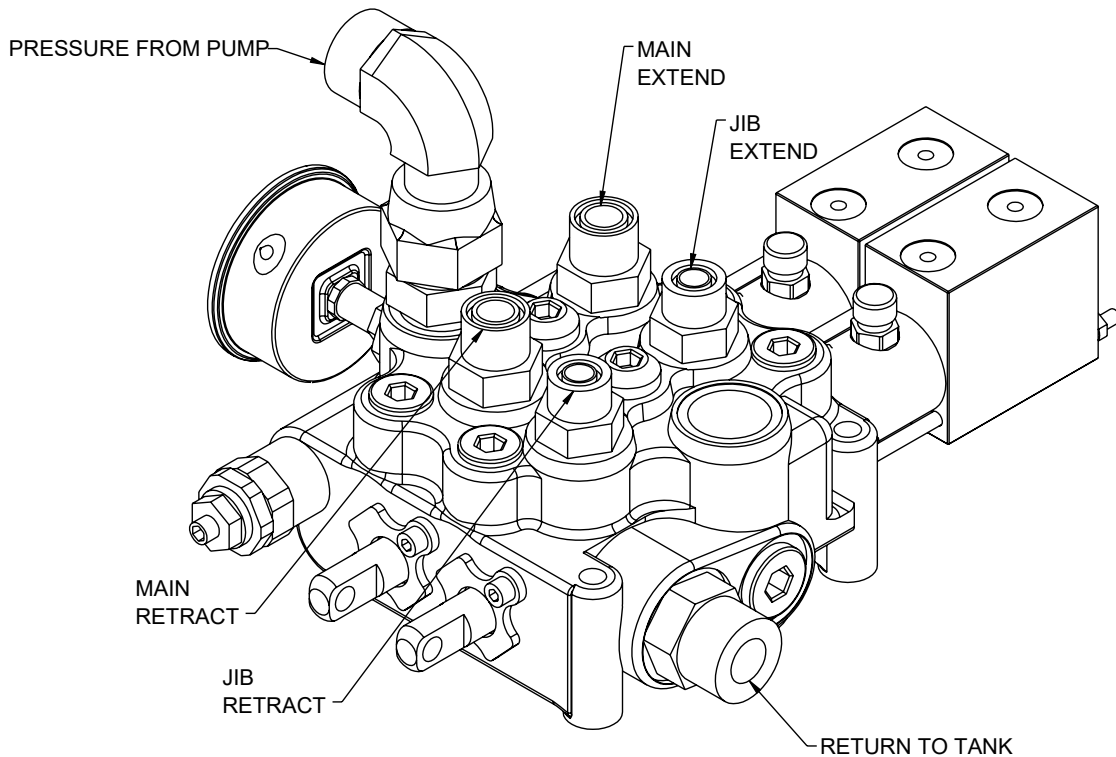
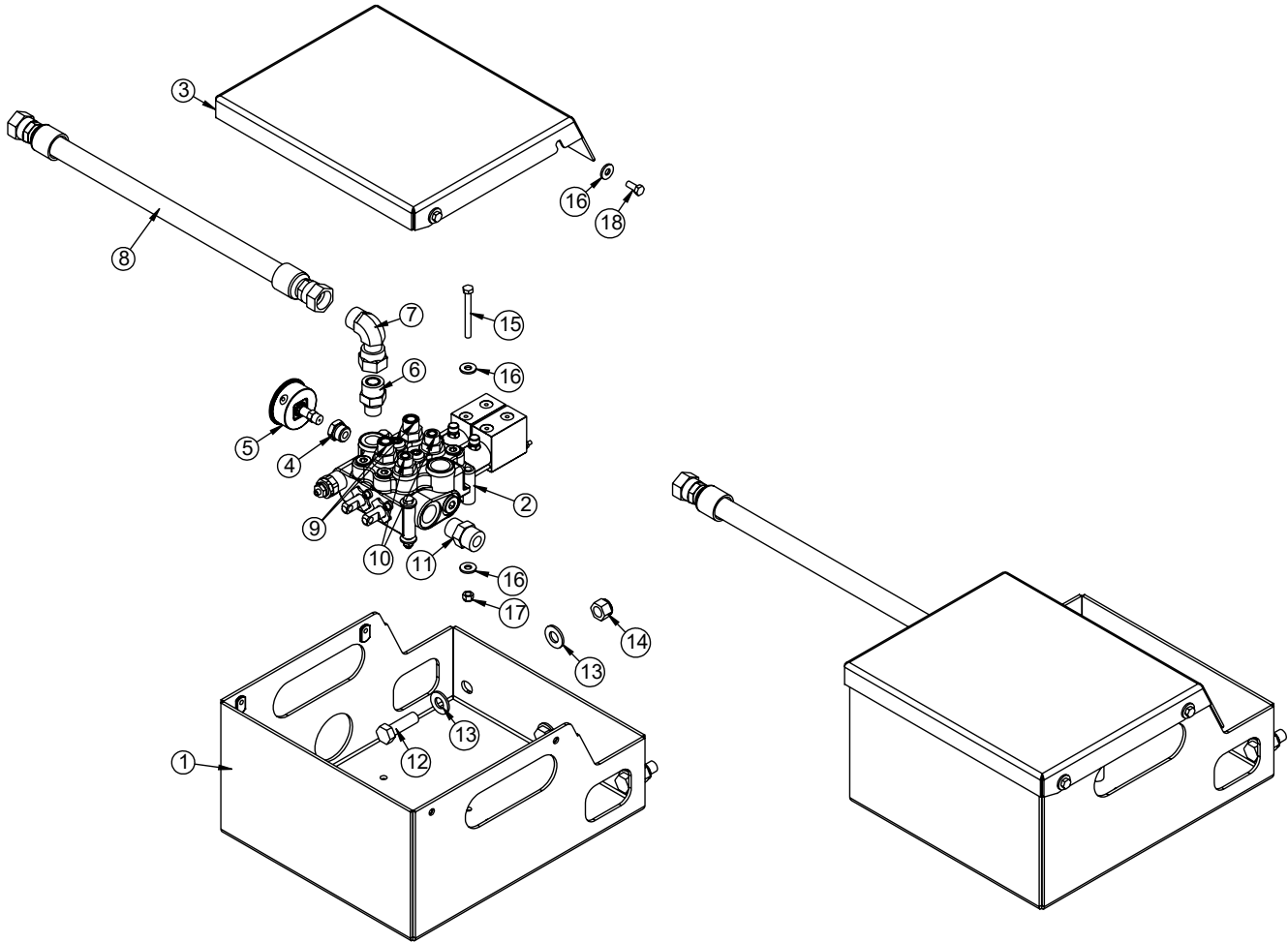
PN 130144

| 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



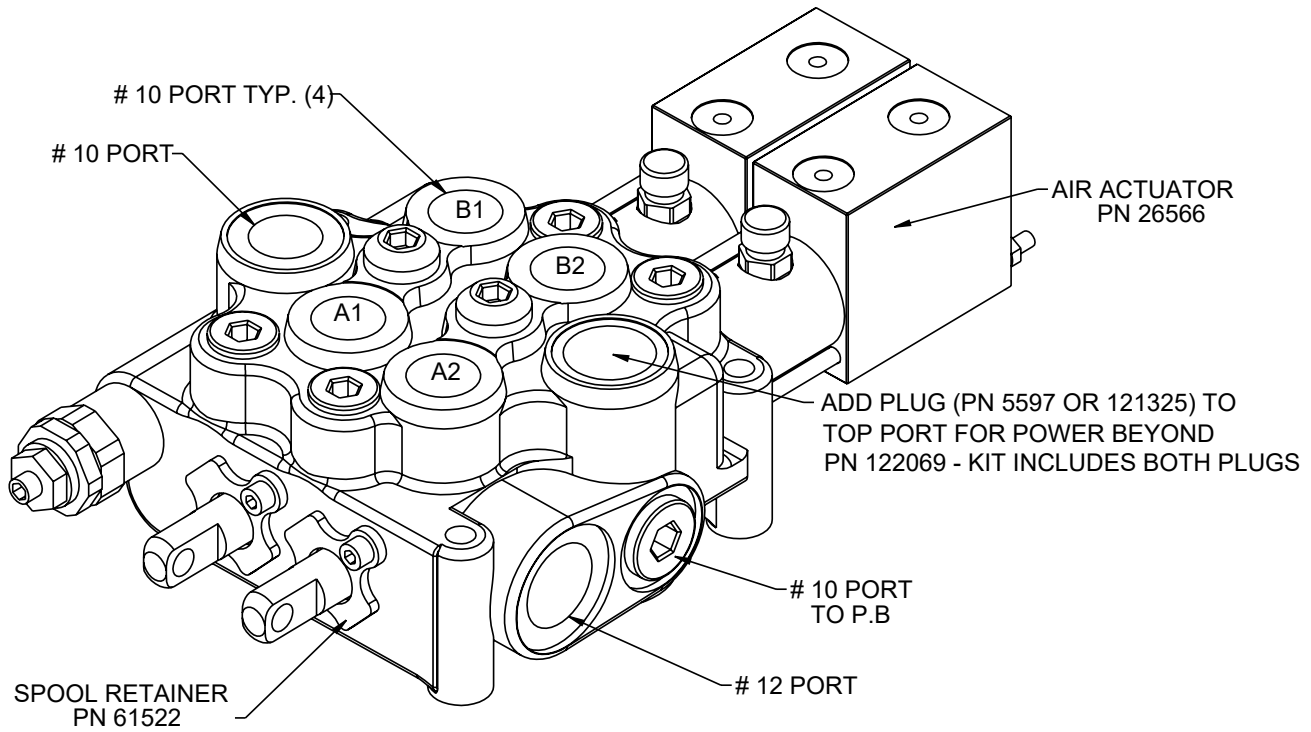
Valve Bank - PN 135329 Parts List

PN 129905

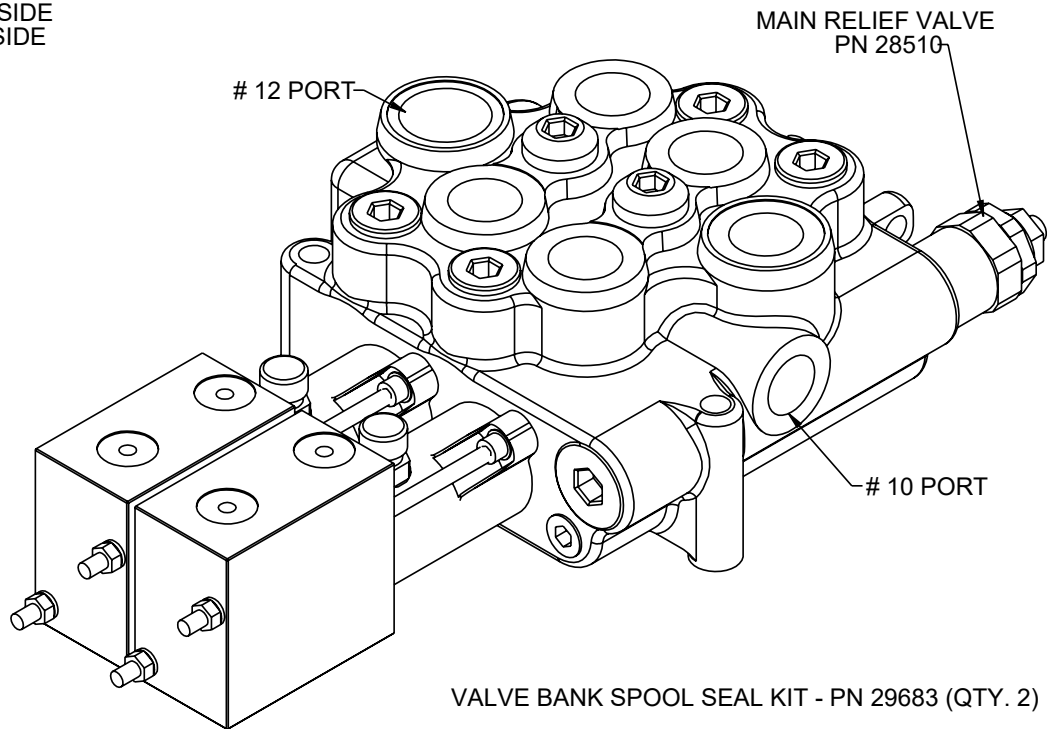
| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---|-----|
| 1 | 129906 | WLDMT VB MNT NXT | 1 |
| 2 | 25940 | VB 2-SECT VDM8 PAC4-PAC4-4200MRV-(1-A-B-2000-2-A-B-2500)-WLCHA-ZNCT | 1 |
| 3 | 129908 | COVER VB MNT NXT52 | 1 |
| 4 | 55833 | FTG 10-4 MORB-FORB STRAIGHT REDUCER | 1 |
| 5 | 39780 | GAUGE 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

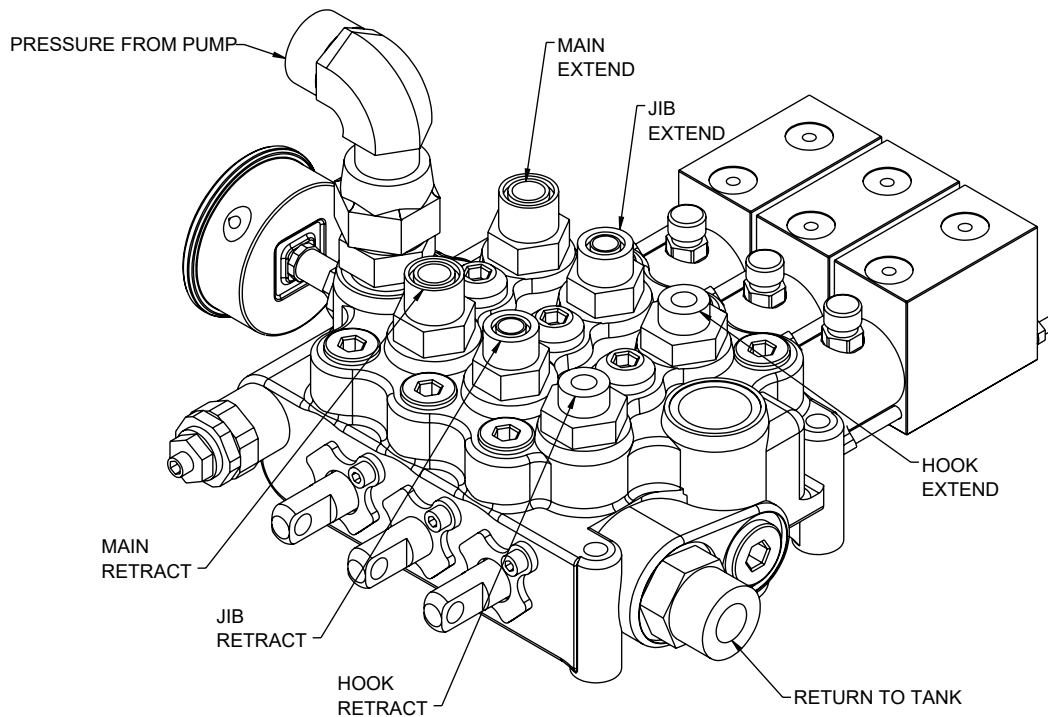
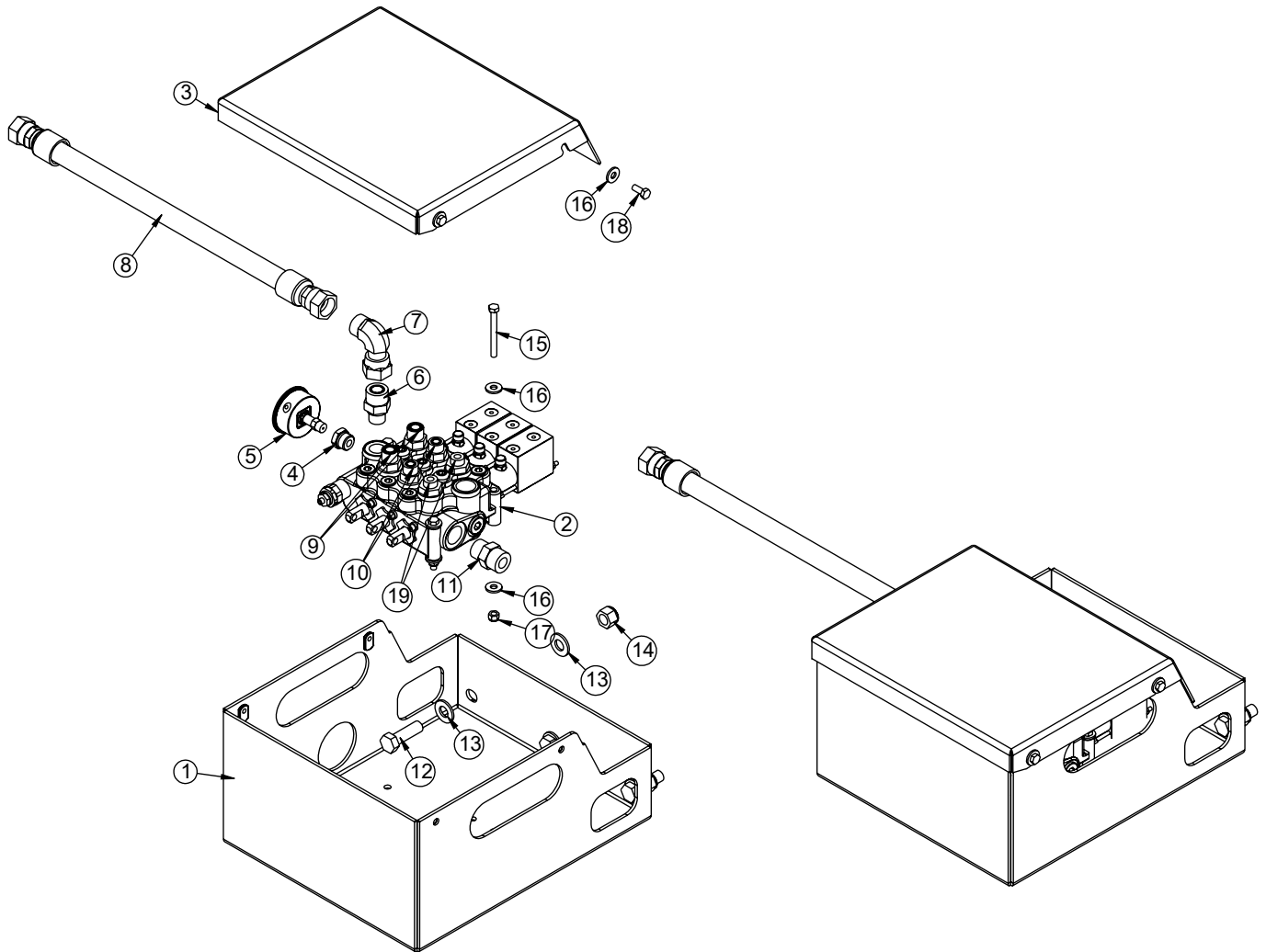


- PUSHING SPOOL ACT. A SIDE
- PULLING SPOOL ACT. B SIDE



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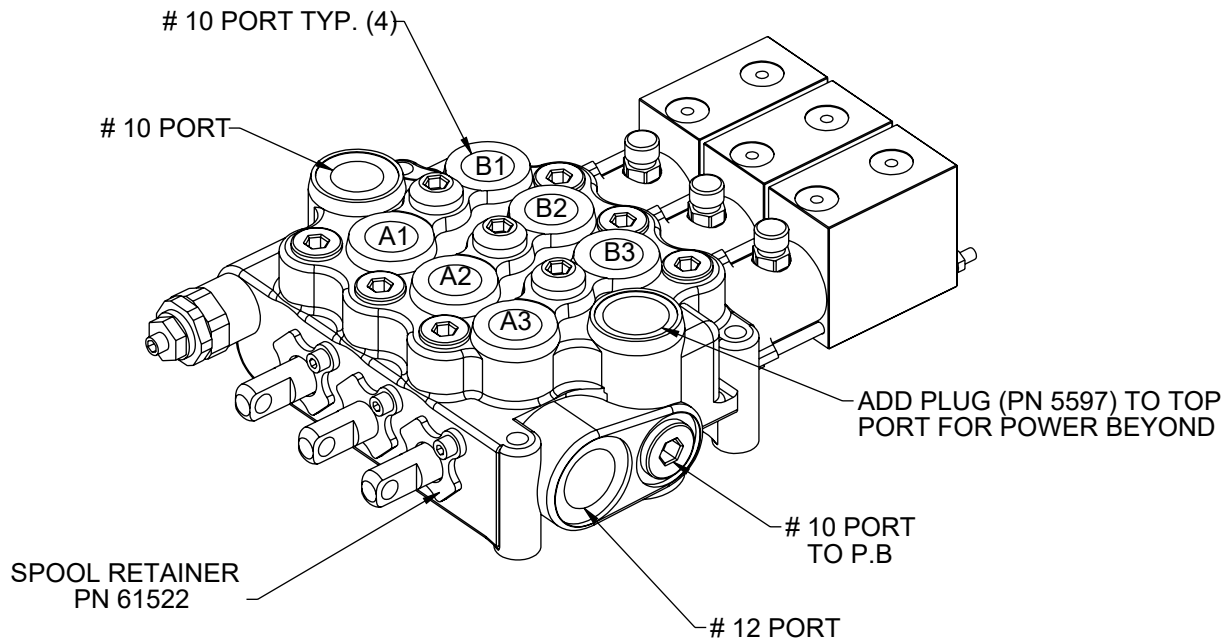
3-Section Valve Bank Assembly- PN 135330



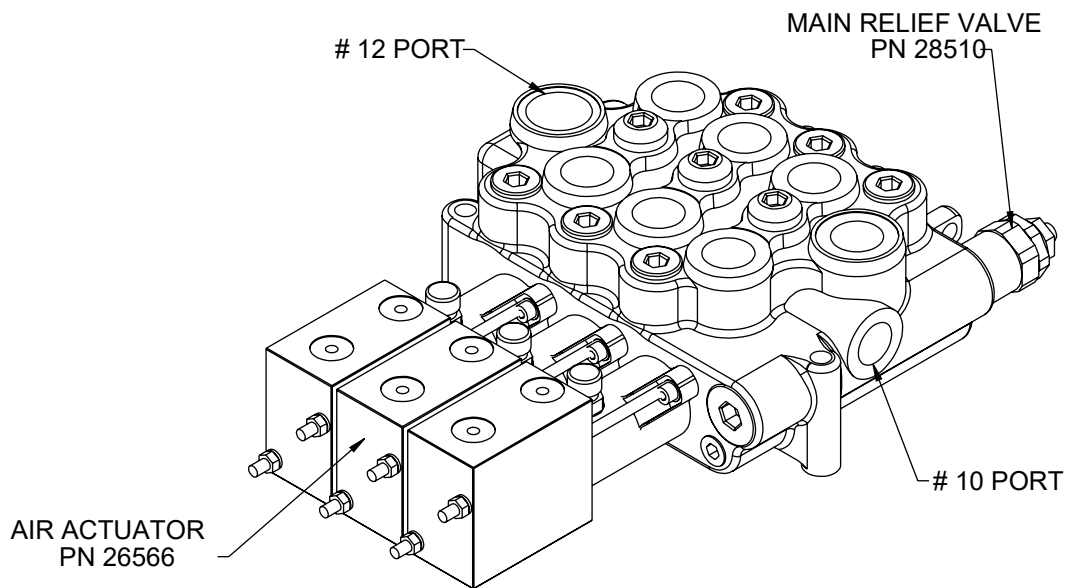
3-Section Valve Bank Assembly- PN 135330 Parts List

| 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

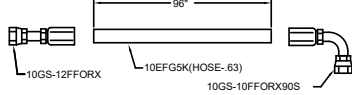


VALVE BANK SPOOL SEAL KIT - PN 29683 (QTY. 3)

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Hose Kit - PN 129649

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



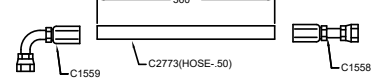
FUNCTION: MAIN CYL. TO VALVE BANK (MAIN EXTEND)

STELLAR #70411 -0.63(4500PSI)-12FFSS-10FFSS 90 LONG-96CL
QTY - 1



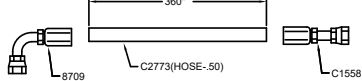
FUNCTION: MAIN CYL. TO VALVE BANK (MAIN RETRACT)

STELLAR #41121 -0.50(4500PSI)-8FFSS-8FFSS 90 SHORT-360CL
QTY - 1

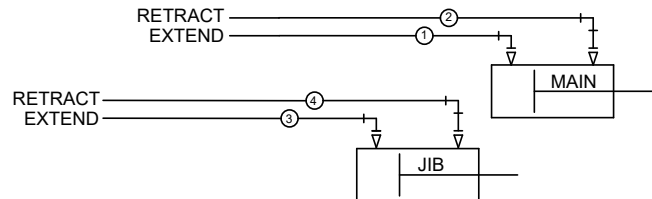
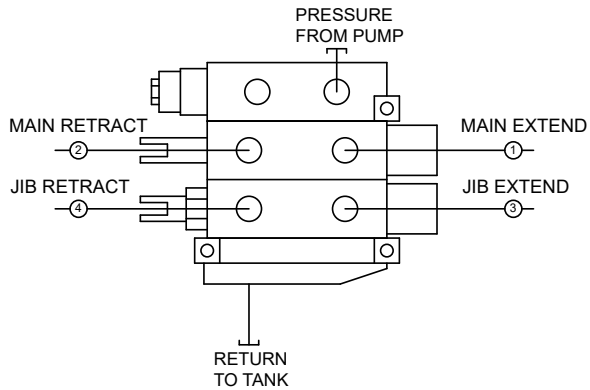


FUNCTION: VALVE BANK (JIB EXTEND) TO JIB CYL

STELLAR #129650 -0.50(4500PSI)-8FFSS-8FFSS 90 LONG-360CL
QTY - 1



FUNCTION: VALVE BANK (JIB RETRACT) TO JIB CYL



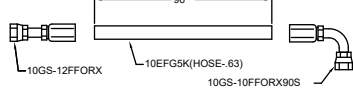
NOTE: SYSTEM PRESSURE IS 4500 psi

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 | | | |

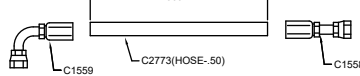
3-Section Hose Kit - PN 132321

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



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

① STELLAR #41121 -0.50(4500PSI)-8FFSS-8FFSS 90 SHORT-360CL
QTY - 2



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

② STELLAR #132322 -0.25(3000PSI)-6MFS-6FFSS 90 SHORT-360CL
QTY - 2



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

STELLAR #130159 -HOSE TRACK NXT52
QTY - 1



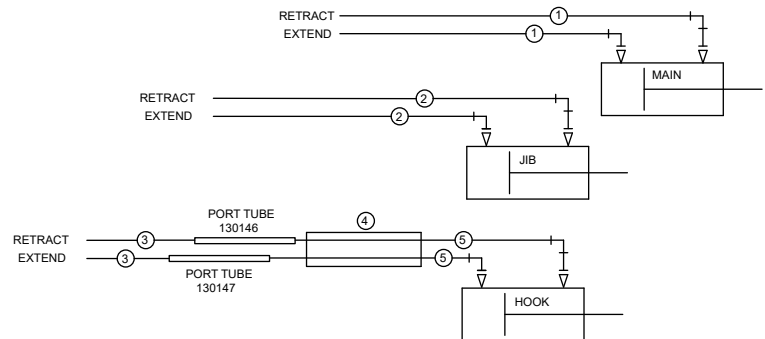
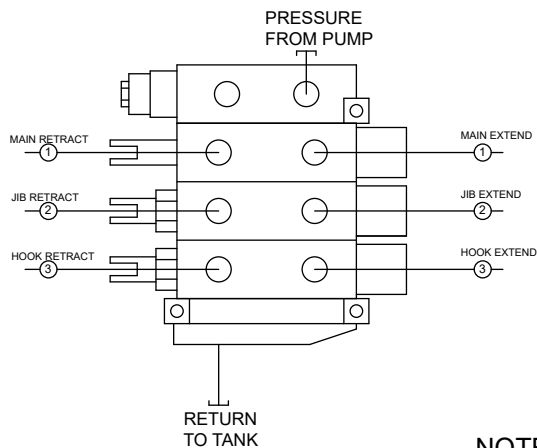
NOTE: BOTH HOOK HOSES TO STICK OUT 15" FROM EACH END OF HOSE TRACK

④ STELLAR #132323 -0.25(3000PSI)-6MFS-6FFSS-93CL
QTY - 2



FUNCTION: HOOK CYL. TO PORT TUBE (HOOK EXTEND/RETRACT)

⑤



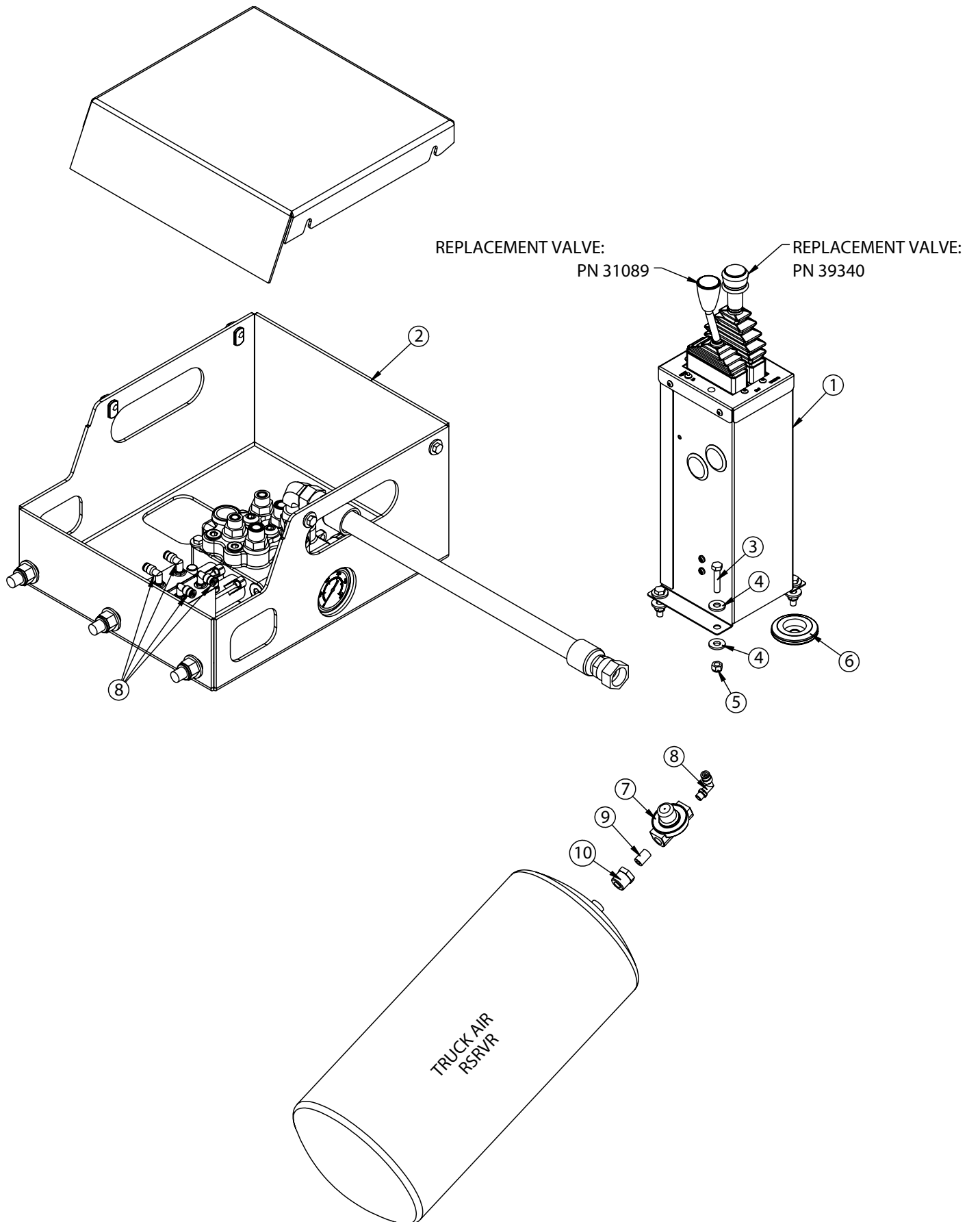
NOTE: SYSTEM PRESSURE IS 4500 psi

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

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

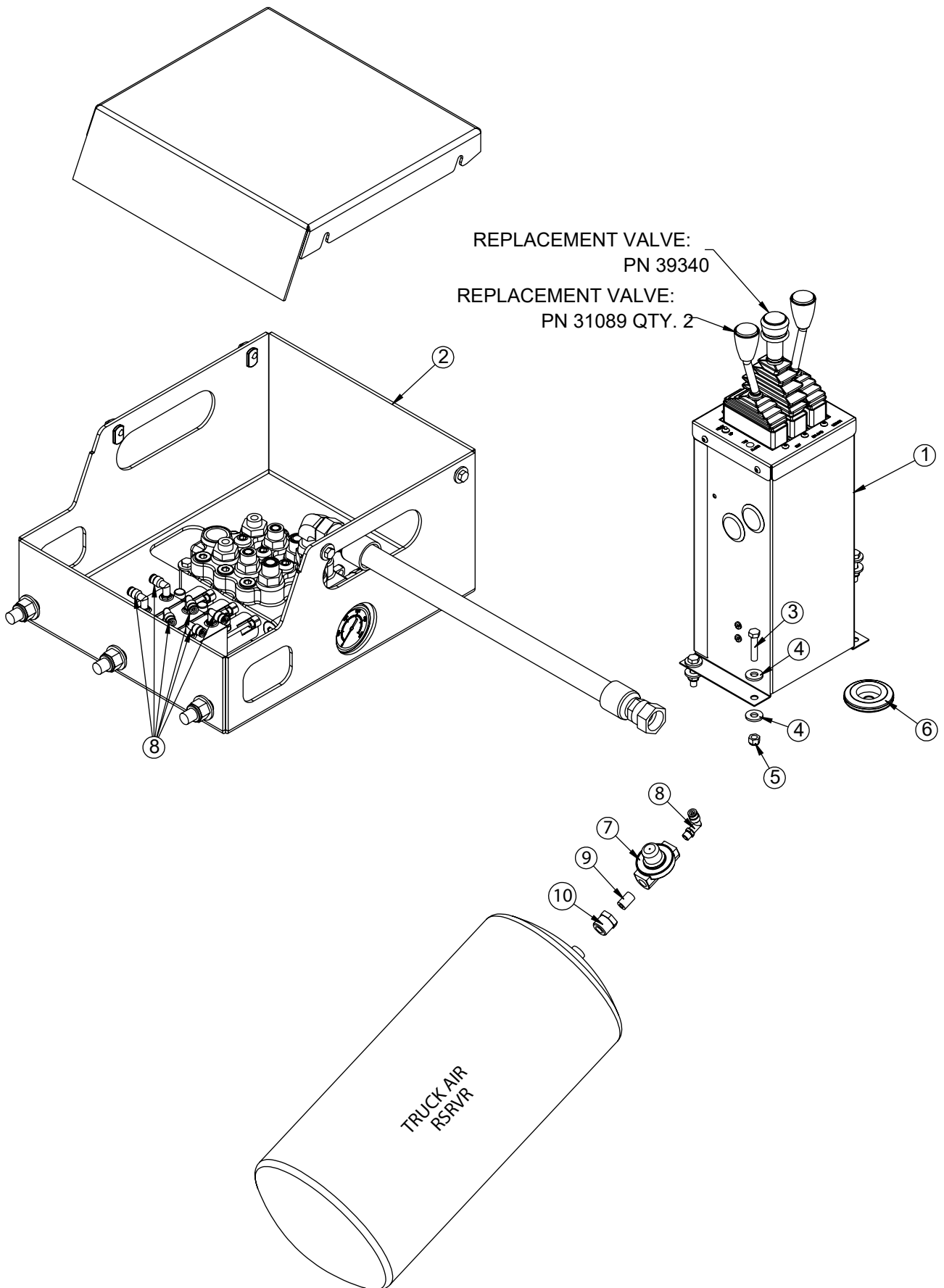
ITEMS NOT SHOWN

| PART | DESCRIPTION | 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 |

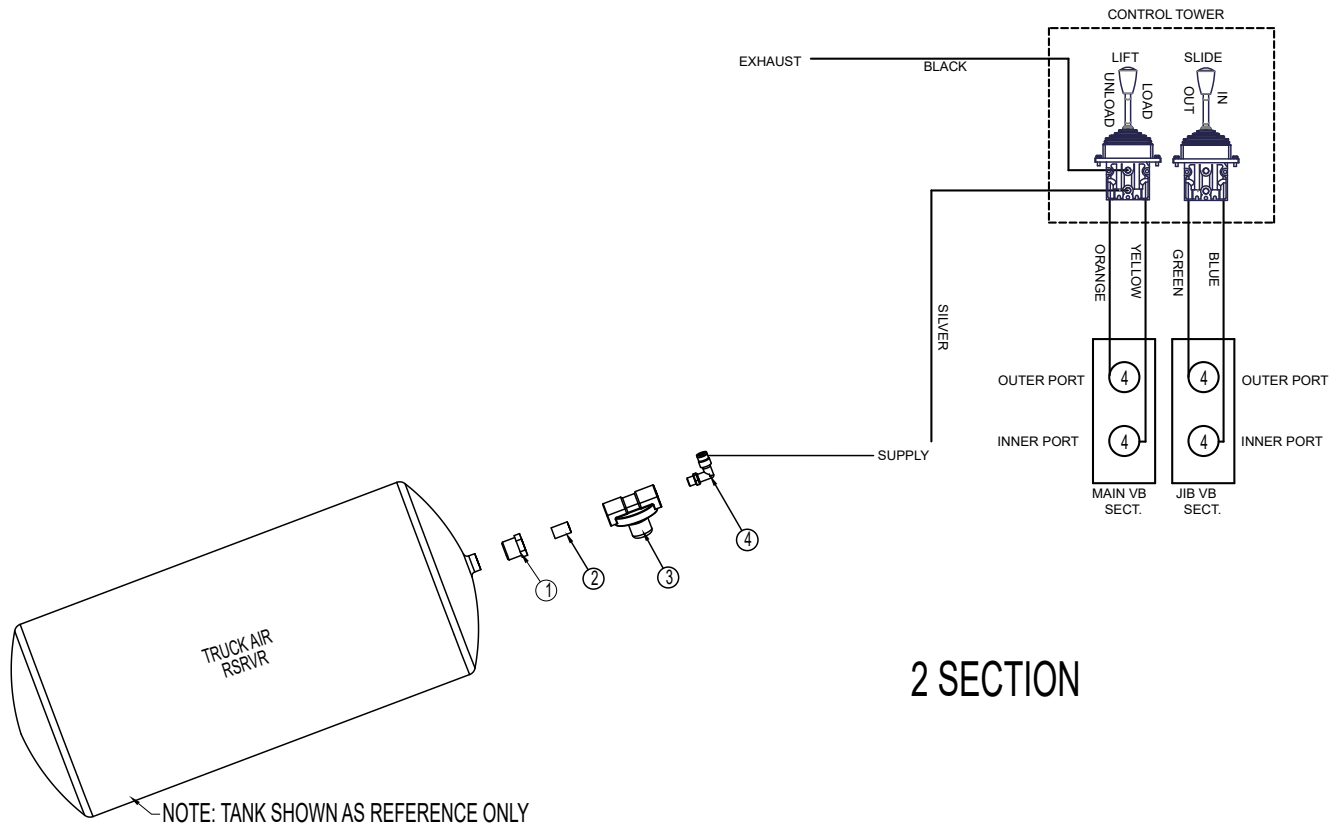
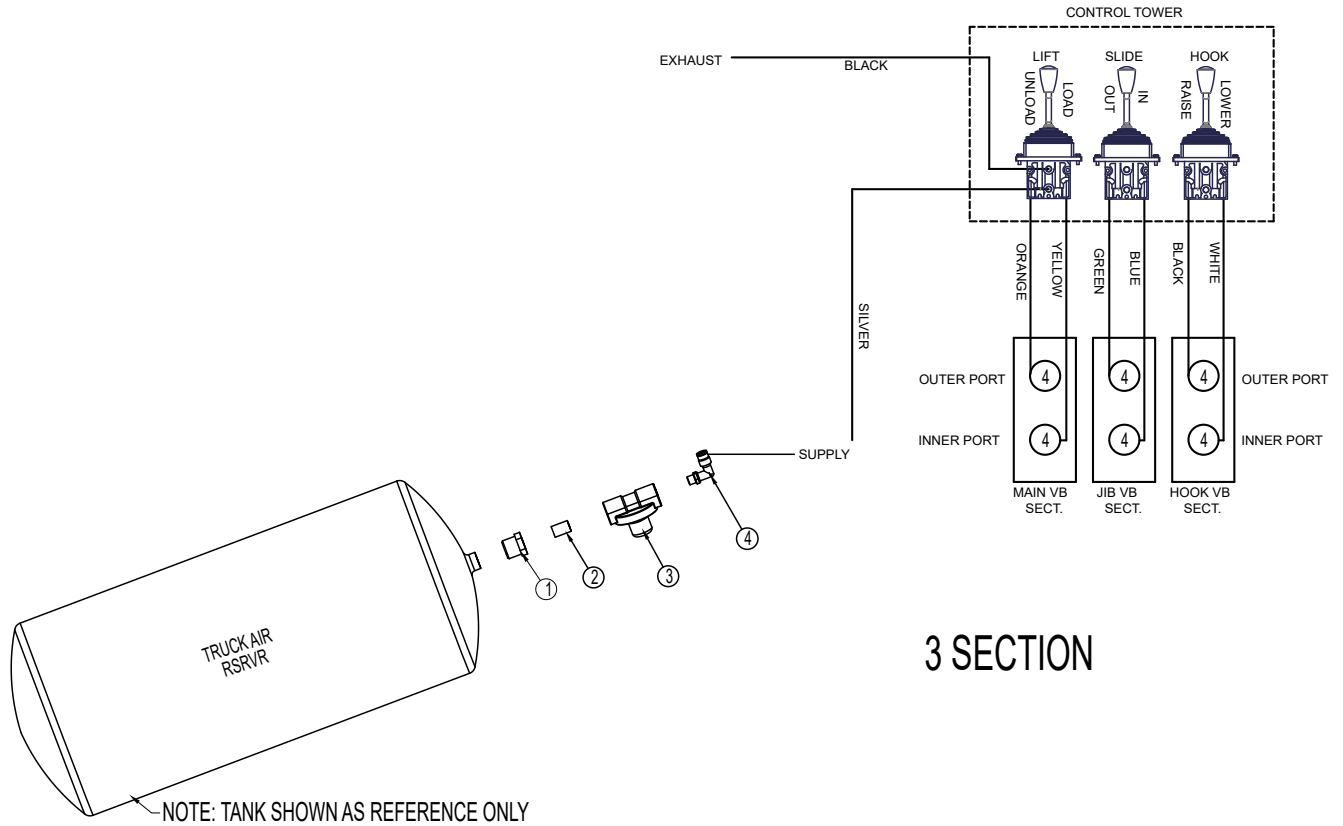
REV. INITIAL RELEASE

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



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 |

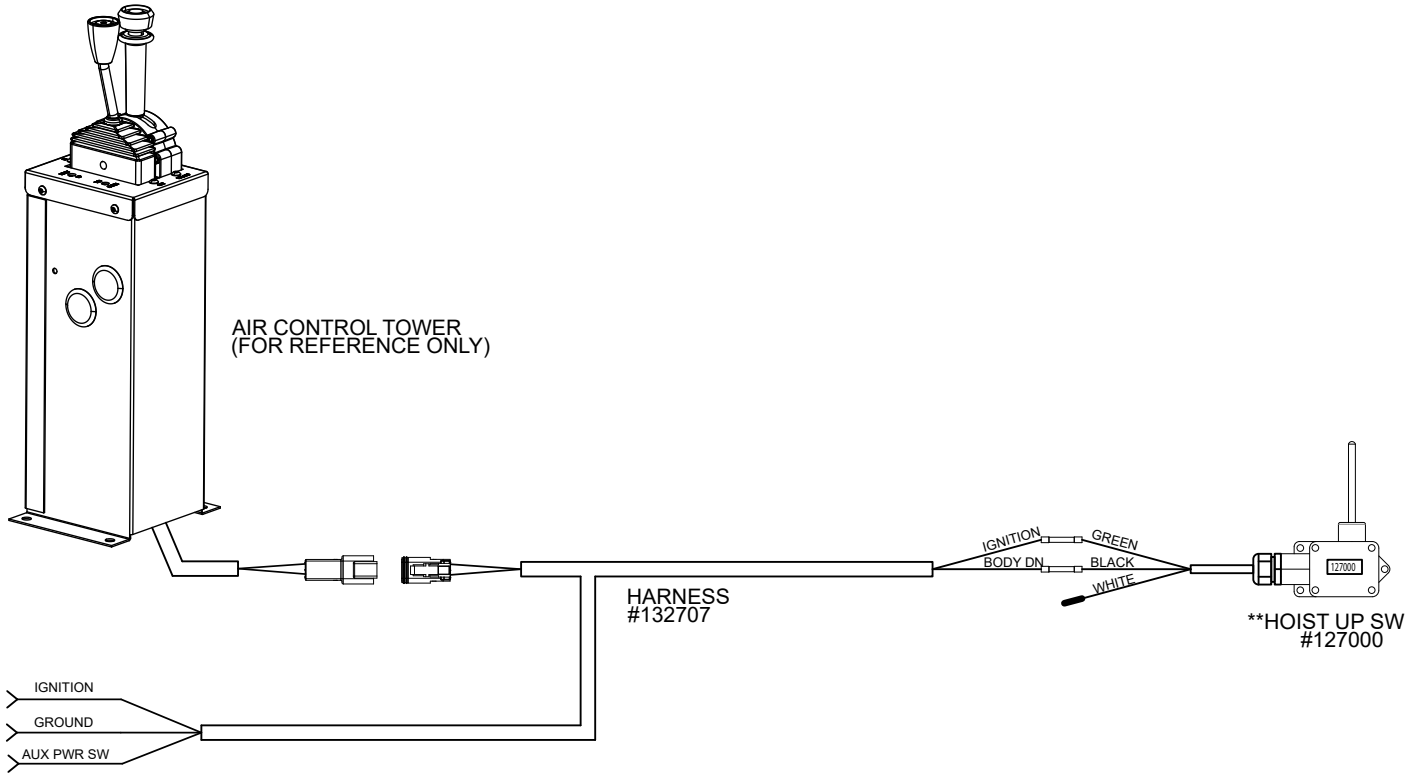
| TUBING COLOR CODE | |
|-------------------|-------------|
| COLOR | APPLICATION |
| SILVER | SUPPLY |
| BLACK | EXHAUST |
| GREEN | SLIDE OUT |
| BLUE | SLIDE IN |
| ORANGE | LIFT UNLOAD |
| YELLOW | LIFT LOAD |
| WHITE | HOOK LOWER |
| BLACK | HOOK RAISE |

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 |

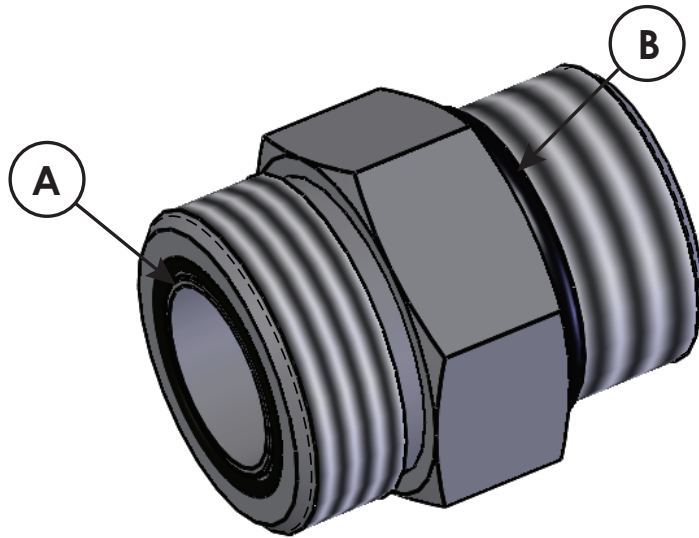
NOTES:

* HOIST UP SWITCH IS PART OF KIT # 127153.

** AIR CONTROL TOWER IS PART OF CONTROLLER ASSEMBLY.

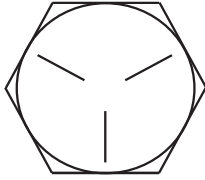
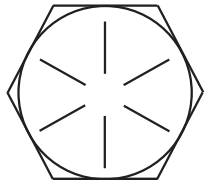
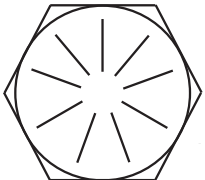
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Face Seal / O-Ring Size Chart



| 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

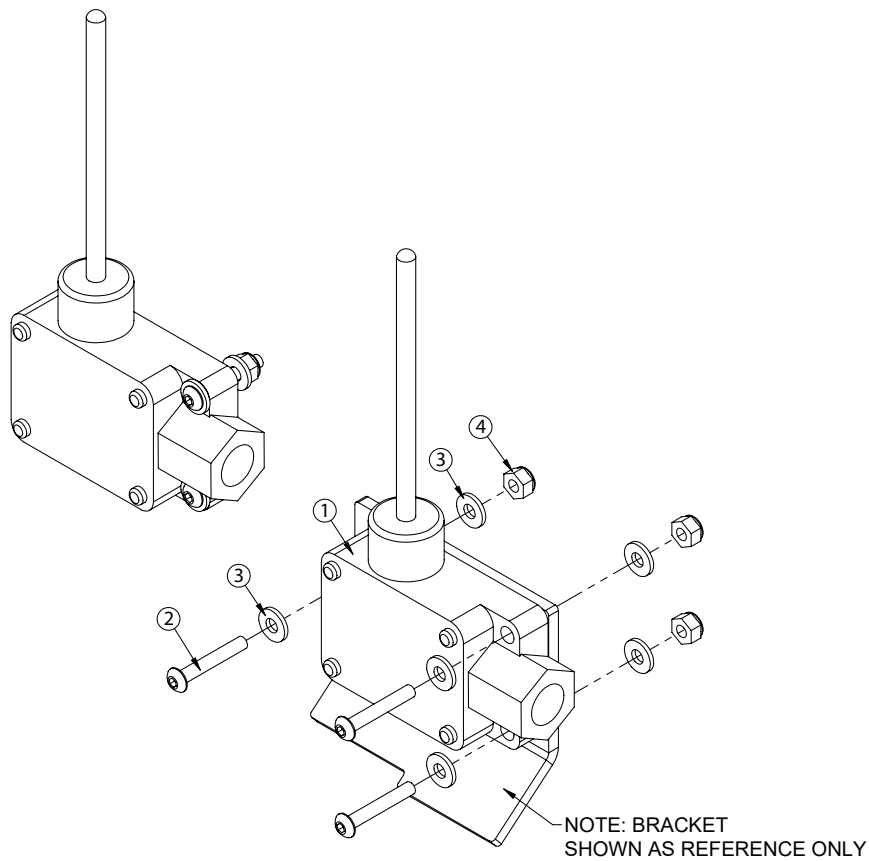
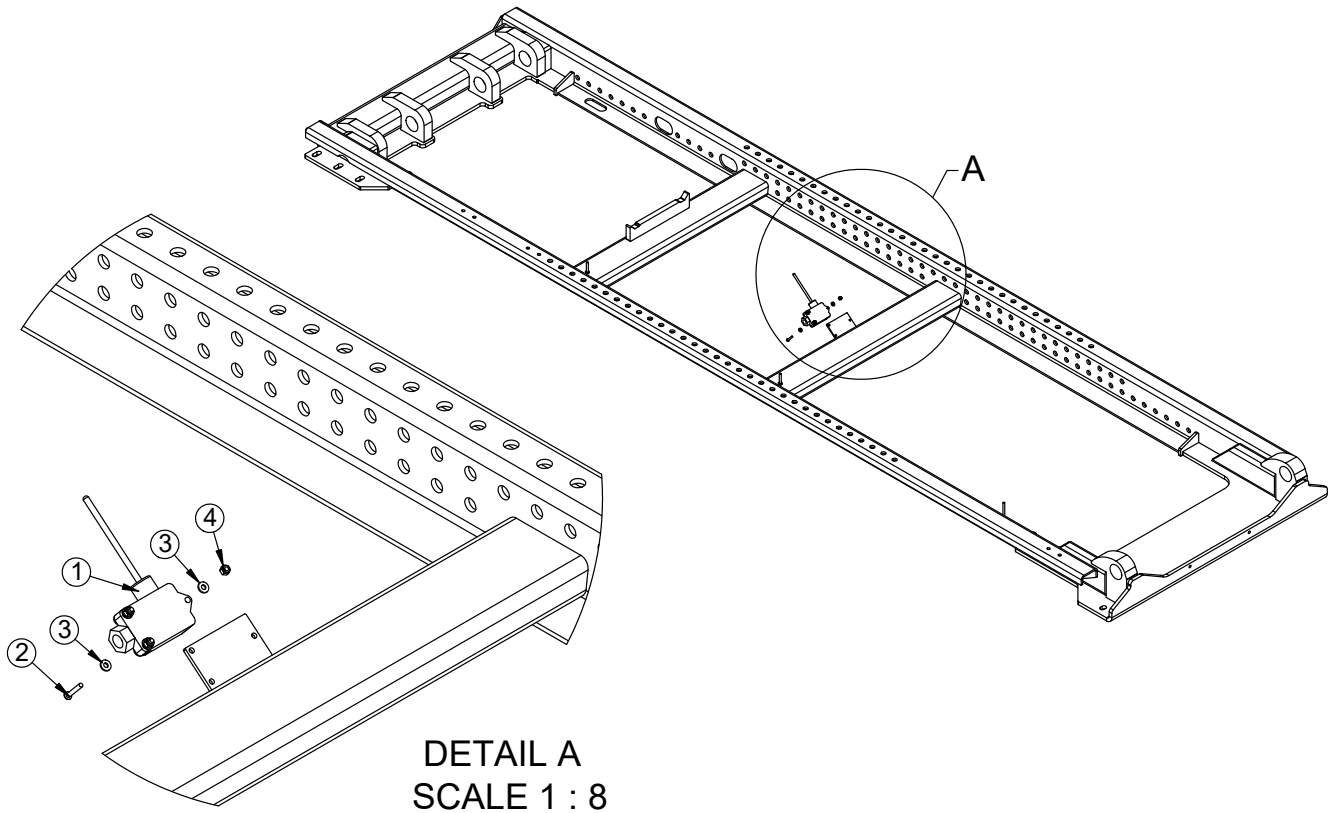
⚠ WARNING When using the torque data in the chart, the following rules should be observed:

- **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.
- **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.*

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

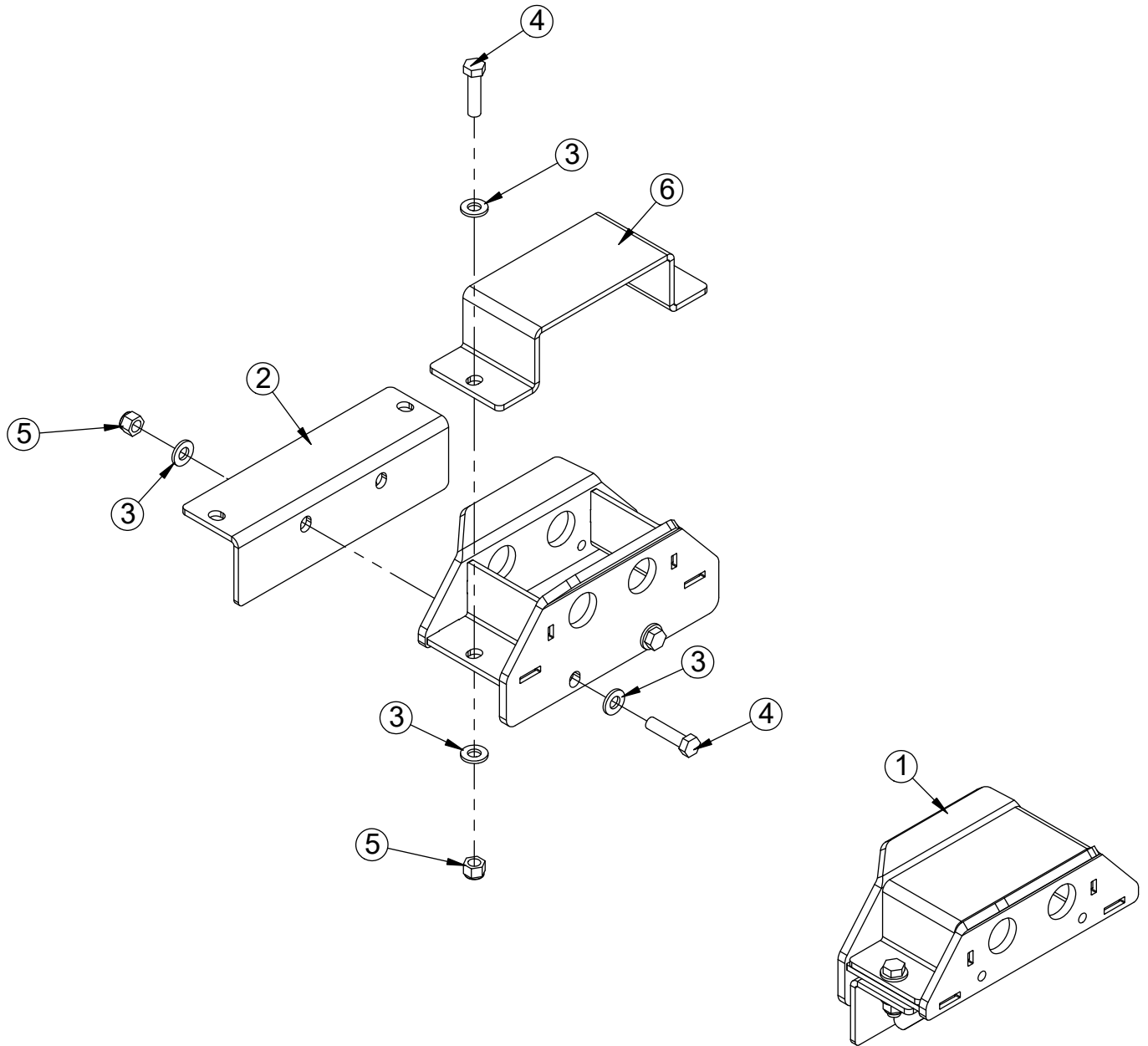
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Chapter 4 - Accessory Drawings

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Saddle Asm Skid Plate - PN 129504

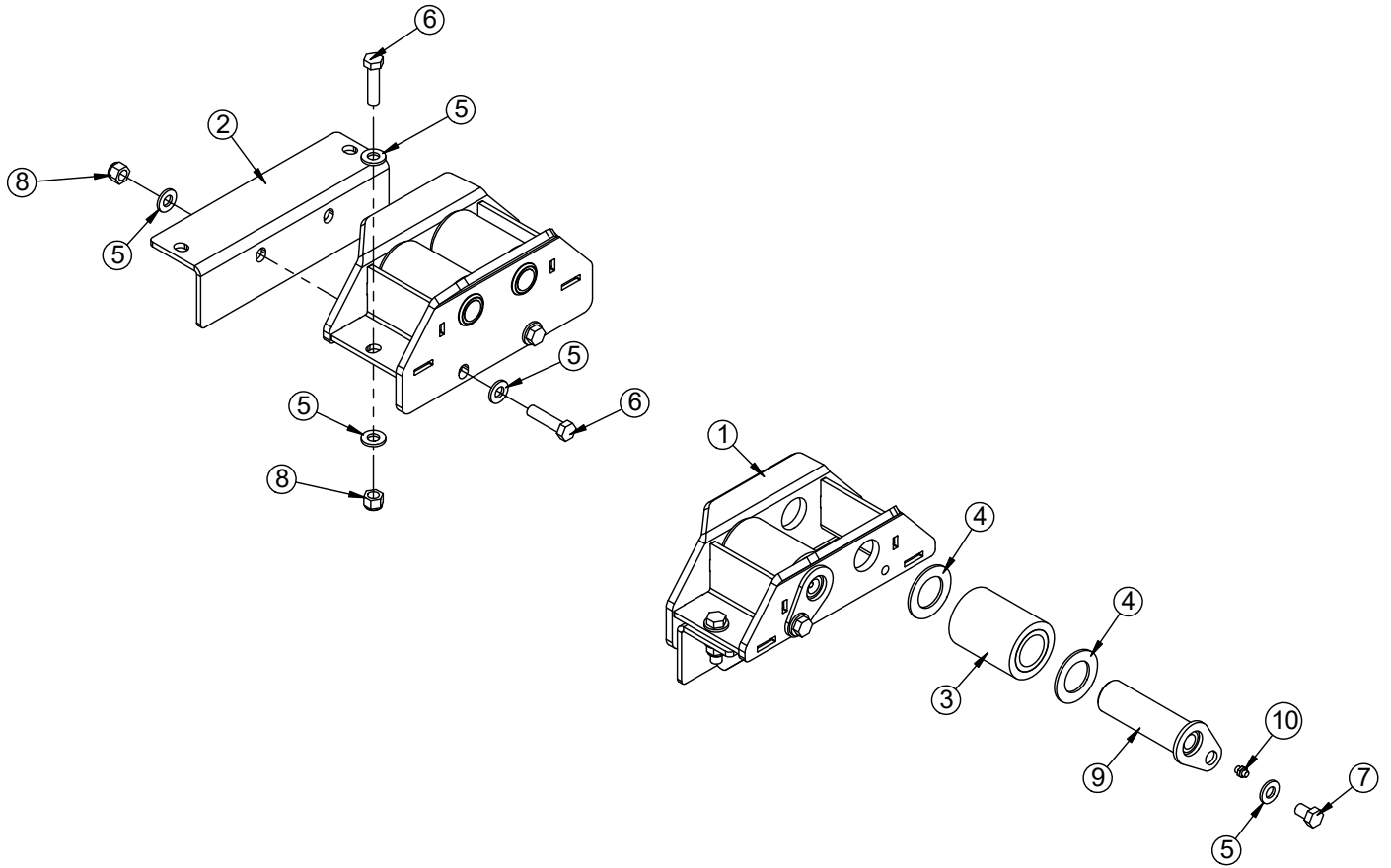


Saddle Asm Skid Plate - PN 129504 Parts List

PN 129504

| ITEM | PART | DESCRIPTION | QTY |
|-----------------|--------|---------------------------------|-----|
| 1 | 129374 | WLDMT SADDLE CARRIAGE NXT52 | 2 |
| 2 | 129378 | WLDMT SADDLE SUPPORT NXT52 | 2 |
| 3 | D0790 | WASHER 0.50 SAE FLAT YELLOW GR8 | 16 |
| 4 | 8833 | CAP SCR 0.50-13X2.00 HHGR8 | 8 |
| 5 | 5468 | NUT 0.50-13 HHGR8 NYLOC | 8 |
| 6 | 129503 | FORMED SADDLE WEAR PLATE NXT52 | 2 |
| INITIAL RELEASE | | | |

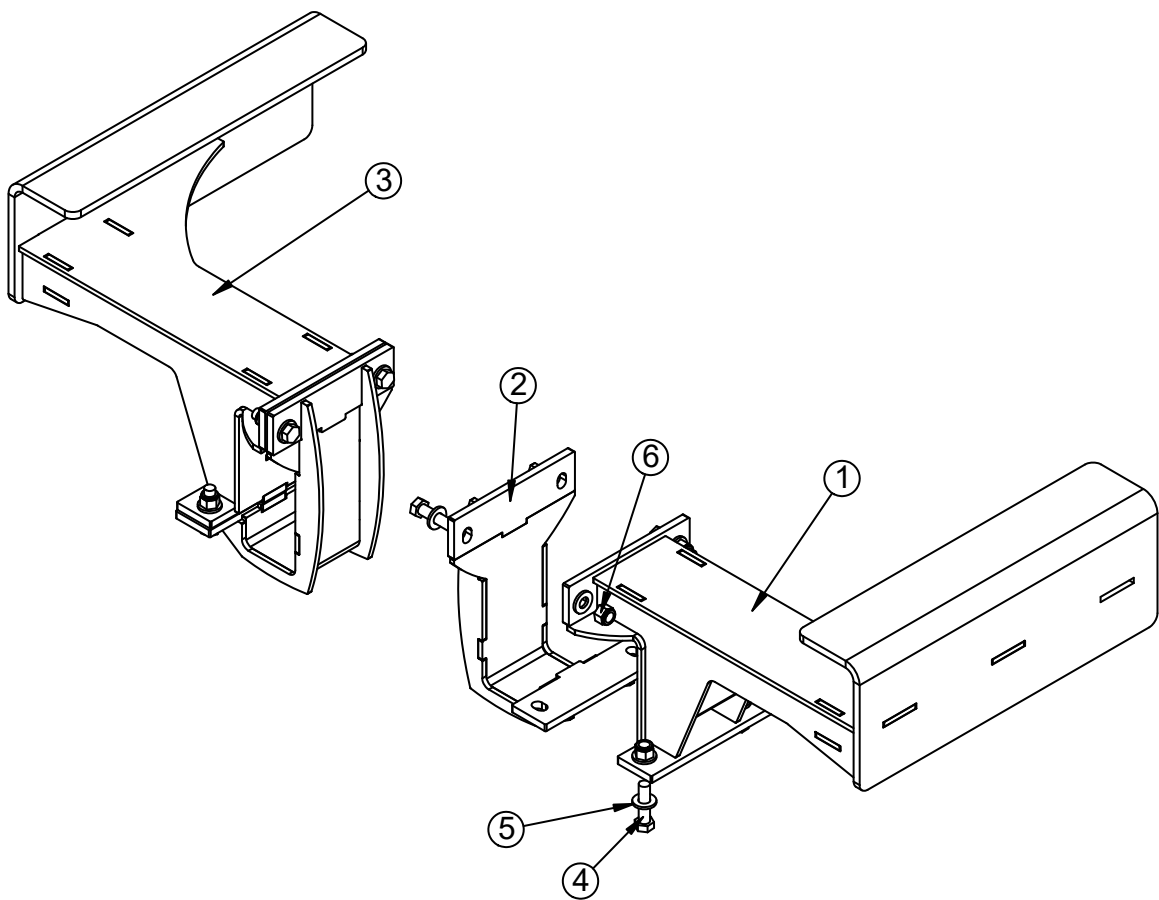
Saddle Asm Roller - PN 129373



Saddle Asm Roller - PN 129373 Parts List

| PN 129373 | | | |
|-----------------|----------|-----------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 129374 | WLDMT SADDLE CARRIAGE NXT52 | 2 |
| 2 | 129378 | 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 |
| INITIAL RELEASE | | | |

NXT40 Outside Latch Asm Bolt On - PN 129856



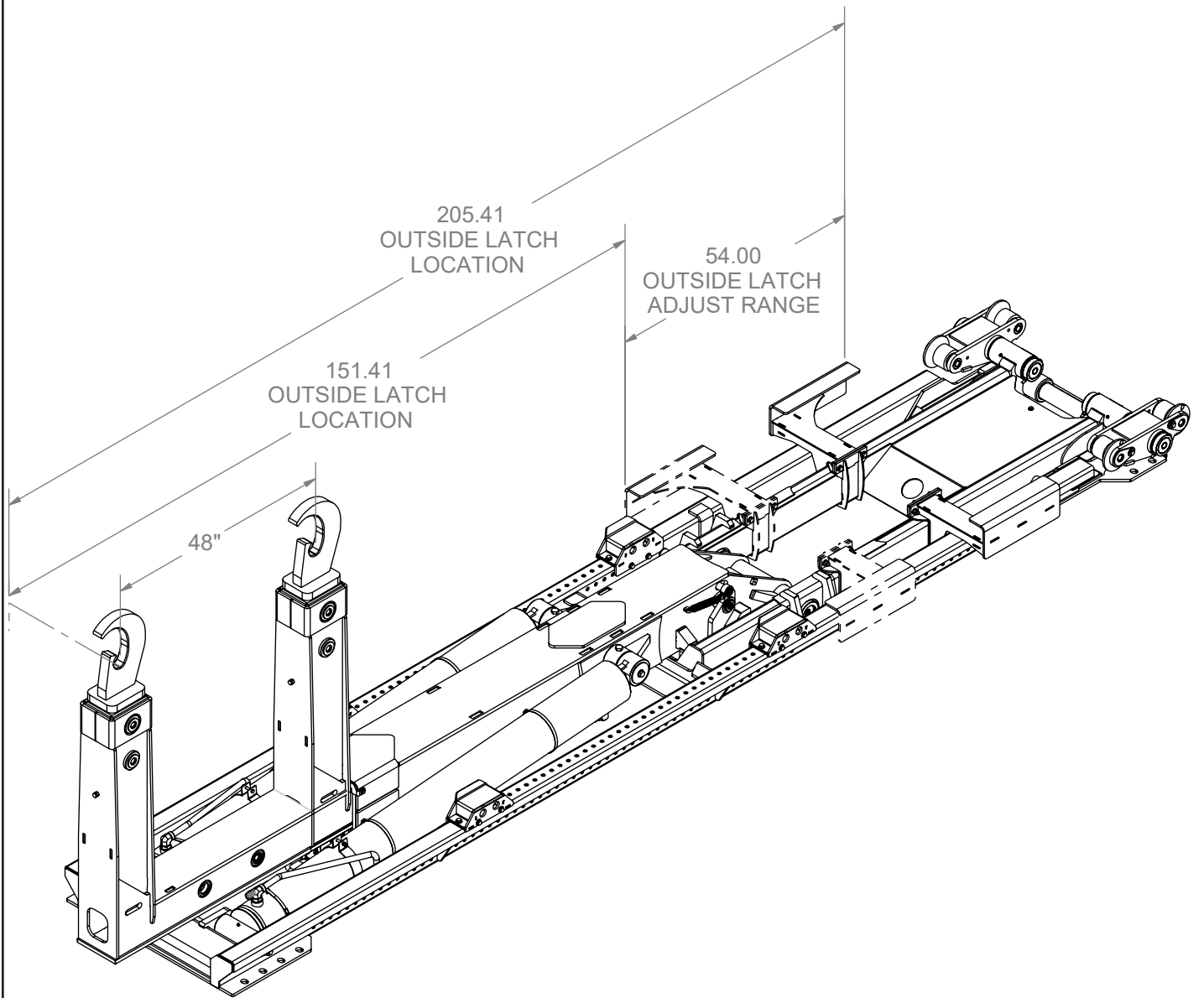
NXT40 Outside Latch Asm Bolt On - 129856 Parts List

PN 129856

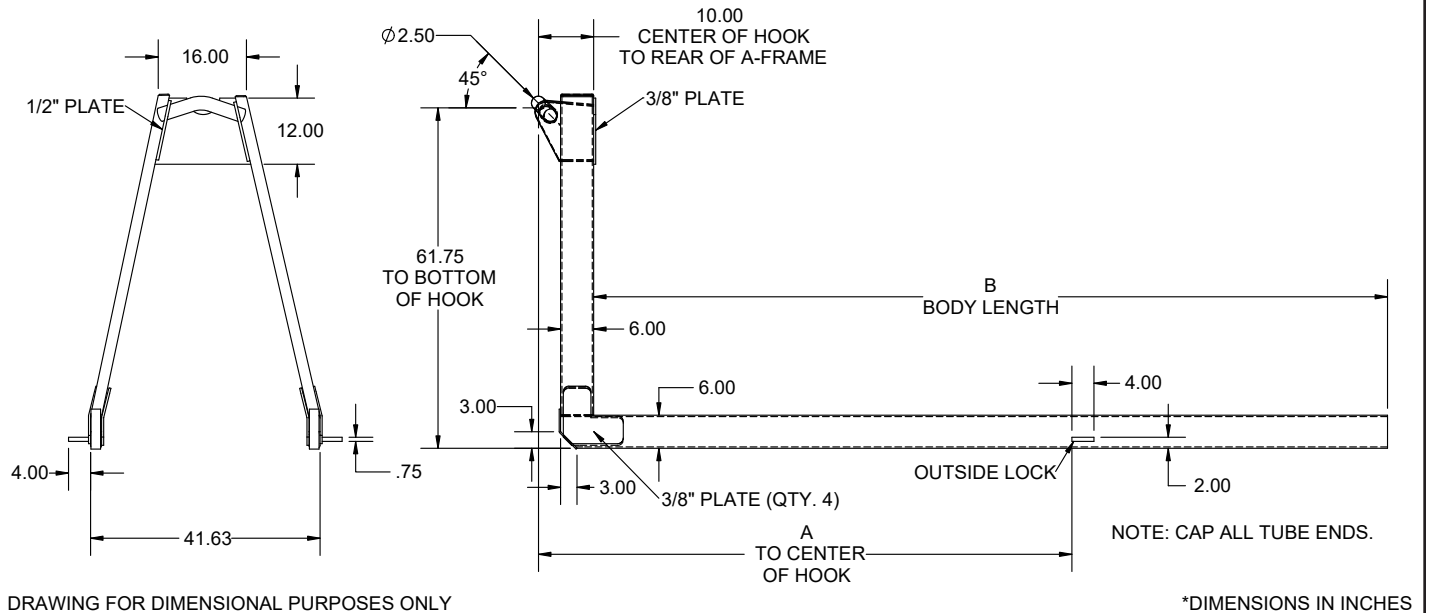
| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---------------------------------|-----|
| 1 | 129557 | WLDMNT LOCK OUTER SS NXT52 | 1 |
| 2 | 129558 | WLDMT SUPPORT LATCH INNER NXT52 | 2 |
| 3 | 129858 | WLDMNT LOCK OUTER CS NXT52 | 1 |
| 4 | 8833 | CAP SCR 0.50-13X2.00 HHGR8 | 8 |
| 5 | D0790 | 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 132902



Skid Drawing 61.75HH - PN 134591



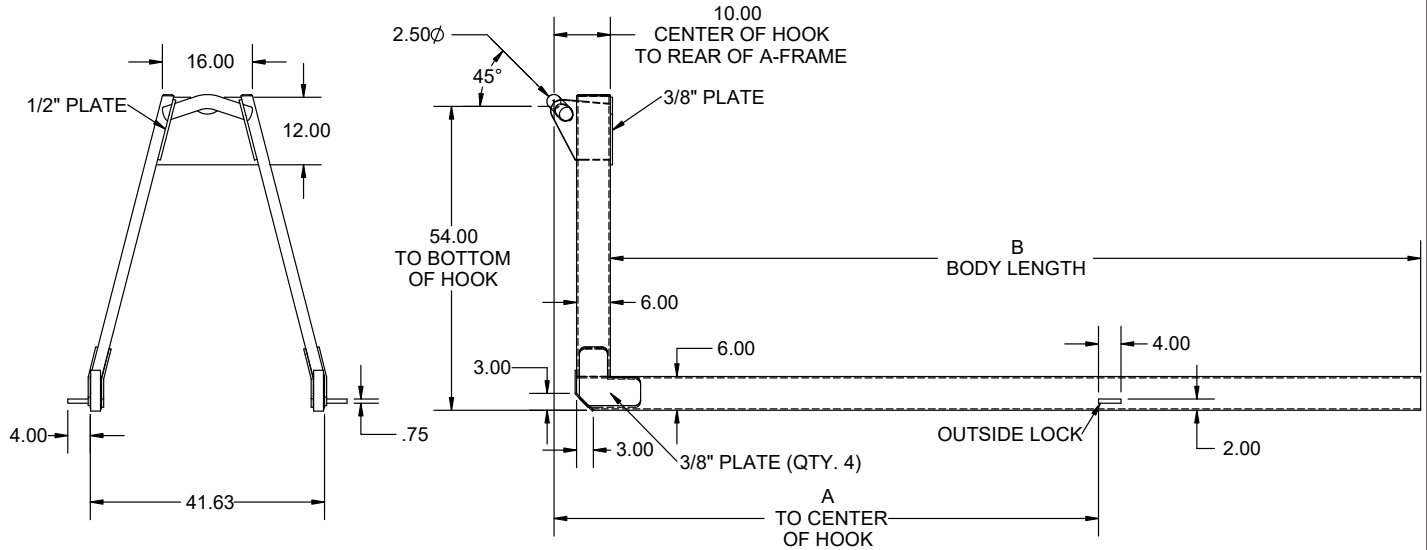
DRAWING FOR DIMENSIONAL PURPOSES ONLY

*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.

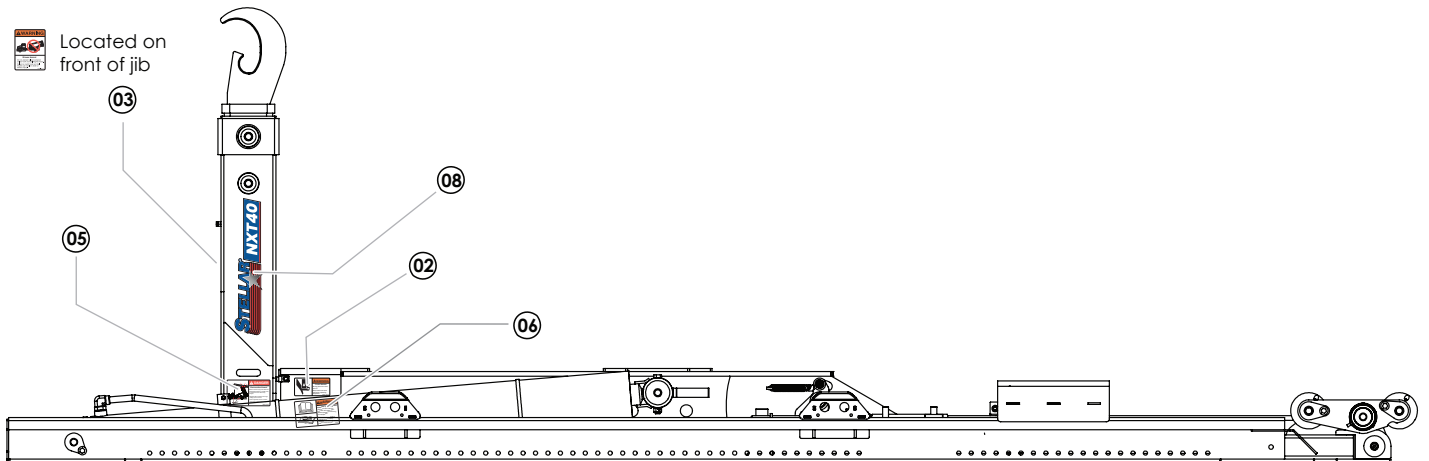
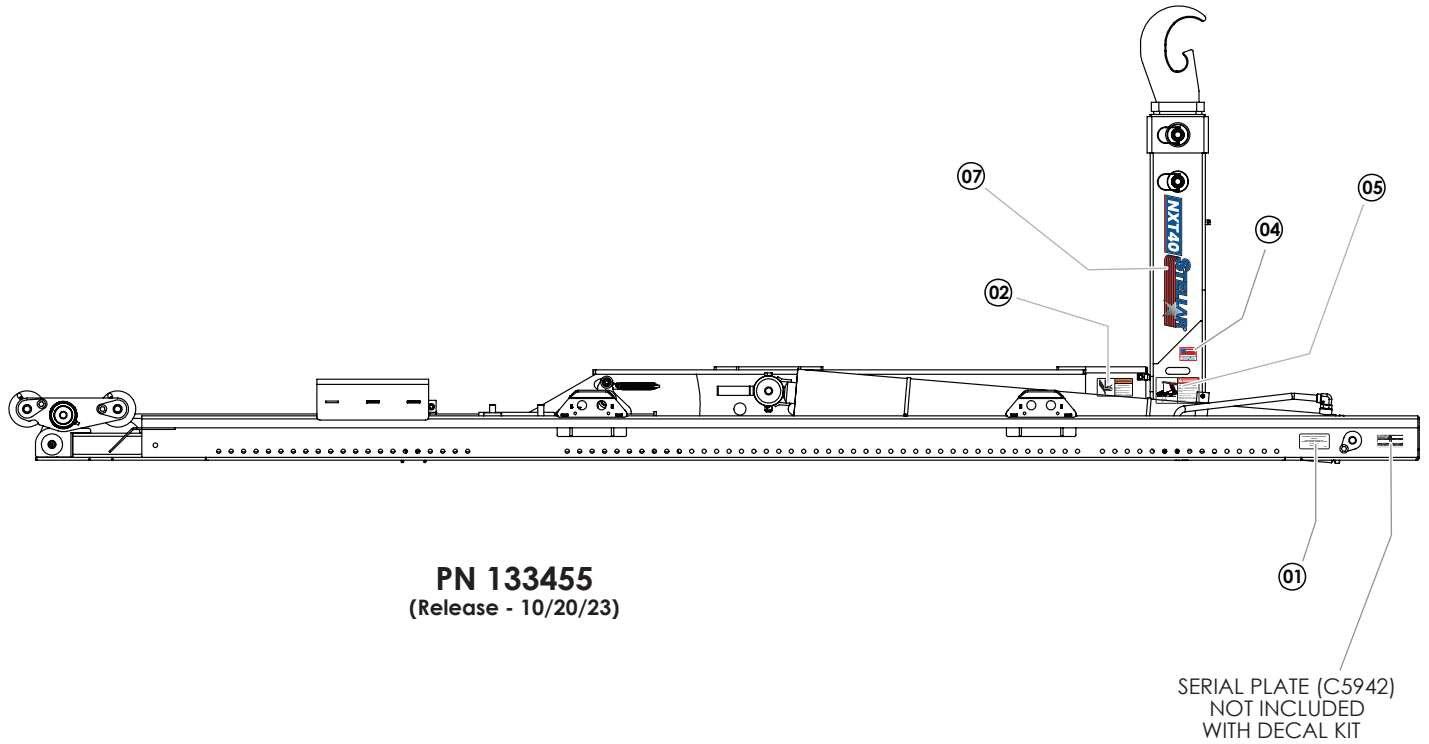
Skid Drawing 54.00HH - PN 134590



| 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



| 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 | 133456 | DECAL NXT40 STRIPE CS | 1 |
| 08 | 133457 | DECAL NXT40 STRIPE SS | 1 |



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