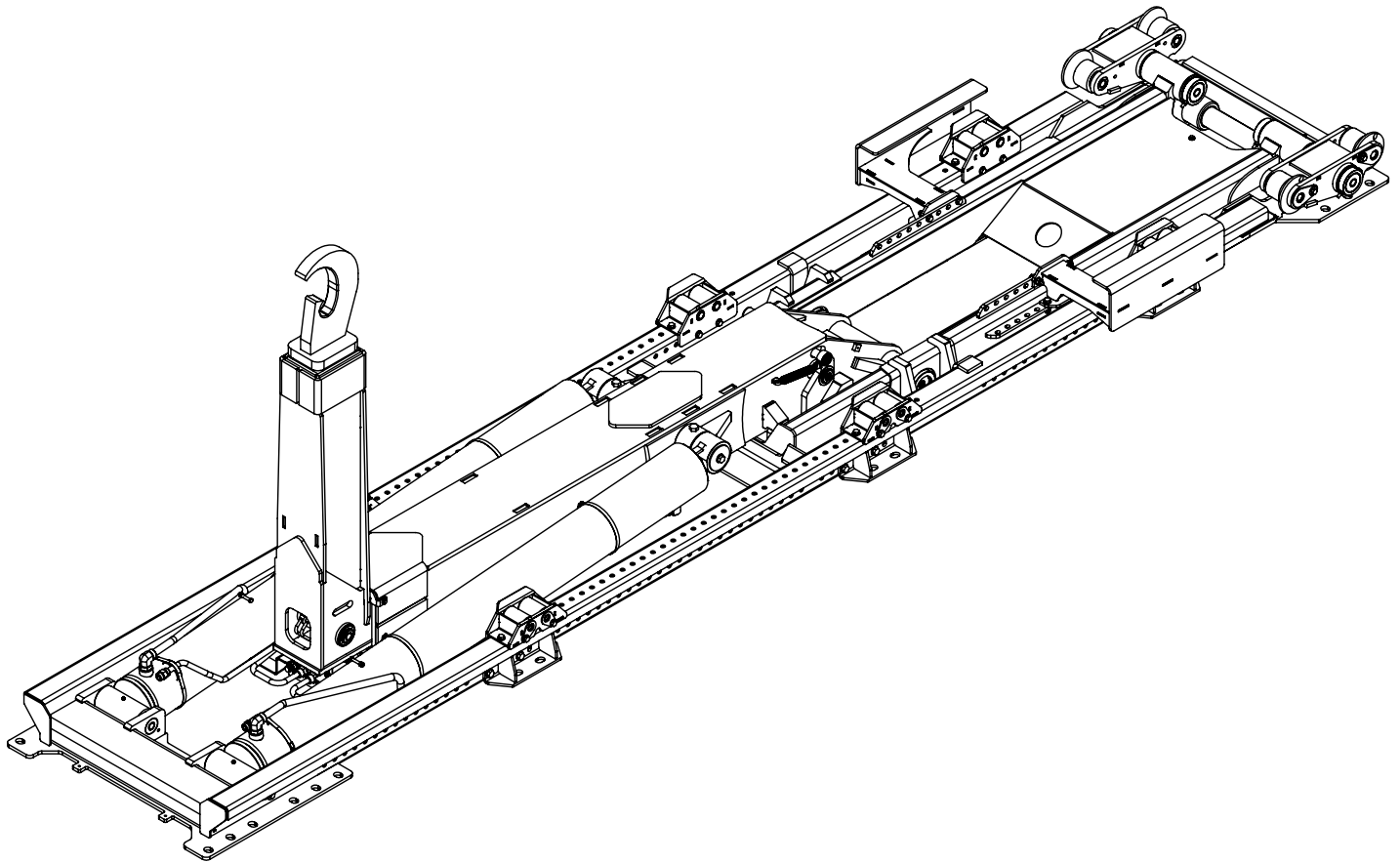




# NXT52 Hooklift

## Parts Manual

Installation • Assembly Drawings • Parts



**Stellar Industries, Inc.**

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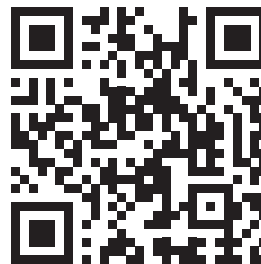
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REV 1  
PN: 150689

# 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](http://www.P65Warnings.ca.gov/passenger-vehicle).



[www.p65warnings.ca.gov](http://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**

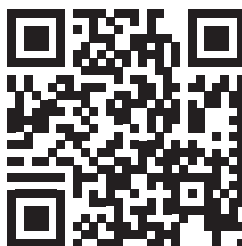
[service@stellarindustries.com](mailto:service@stellarindustries.com)

**Order Parts**

[parts@stellarindustries.com](mailto:parts@stellarindustries.com)

**Warranty Information**

[warranty@stellarindustries.com](mailto:warranty@stellarindustries.com)



[www.stellarindustries.com](http://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](mailto:service@stellarindustries.com).



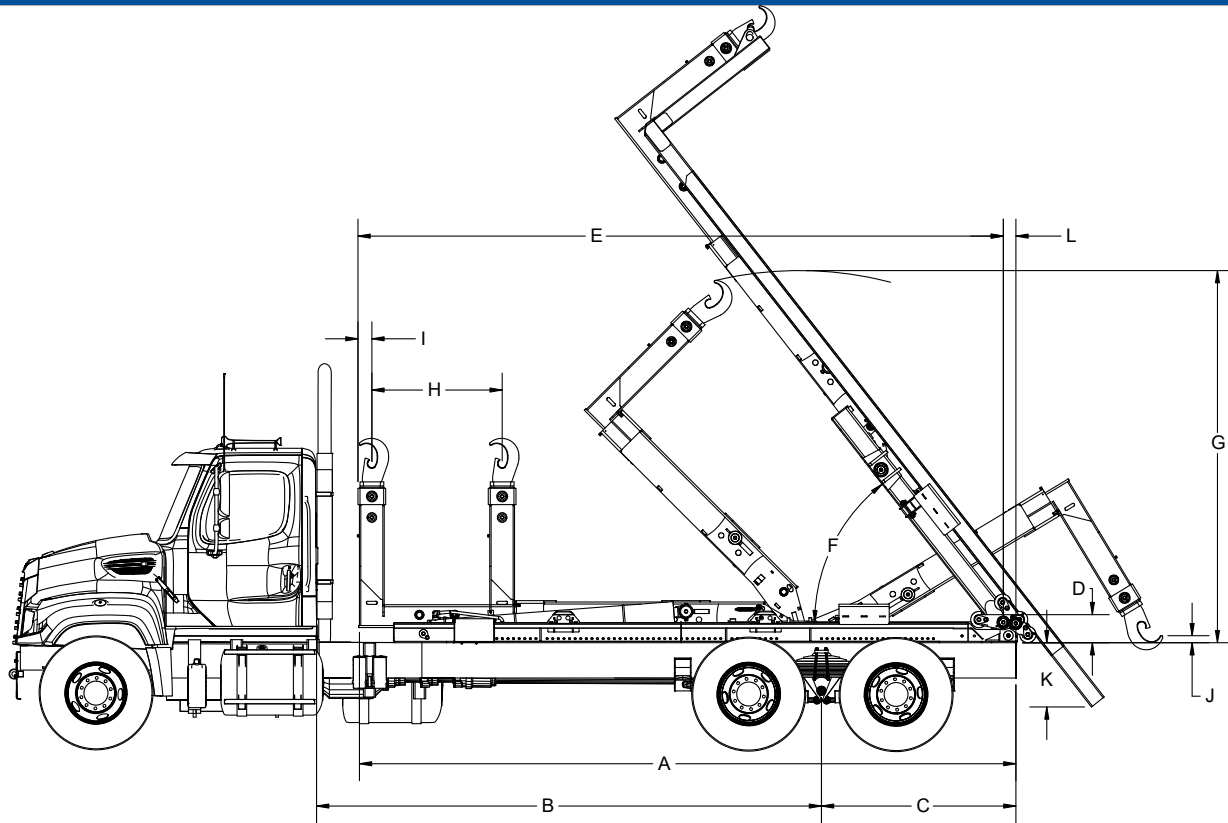
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# Chapter 1 - Specifications

## Chapter Contents

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# NXT52 Specifications



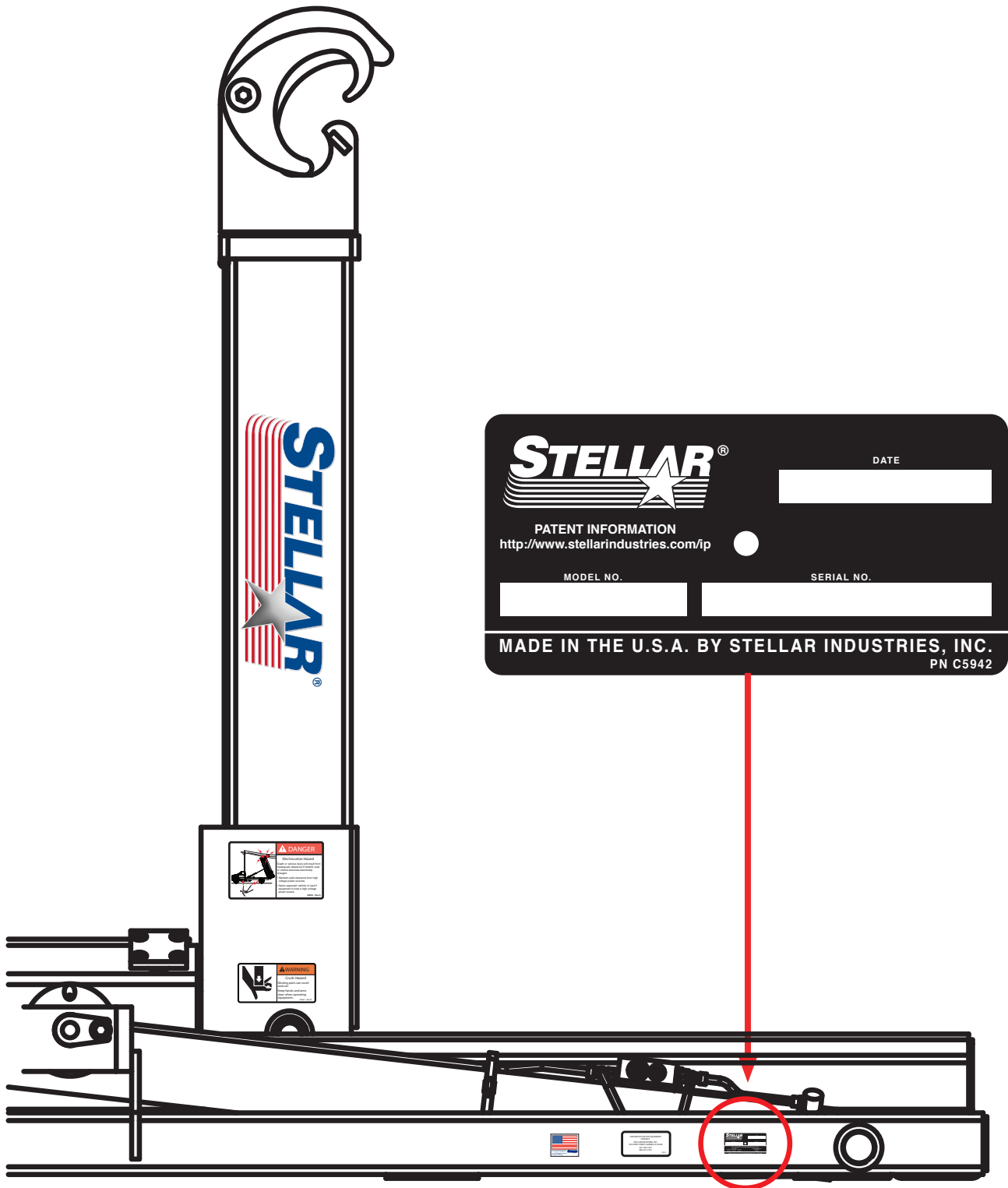
|                                                                                                       |                                      | NXT52S- 54" OR 62"                                                  | NXT52L 54" OR 62"                   |
|-------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------|-------------------------------------|
| A                                                                                                     | OVERALL LENGTH                       | 229.50"<br>(5,829 mm)                                               | 242.50"<br>(6,160 mm)               |
| B                                                                                                     | CAB-TO-AXLE RANGE                    | 174" TO 202"<br>(4,449 to 5,181 mm)                                 | 182" TO 214"<br>(4,623 TO 5,436 mm) |
| C                                                                                                     | AFTER FRAME RANGE                    | 59"<br>(1,498 mm)                                                   | 64"<br>(1,626 mm)                   |
| D                                                                                                     | LOADER HEIGHT                        | 10.50"<br>(267 mm)                                                  |                                     |
| E                                                                                                     | FRONT OF JIB TO CENTERLINE OF ROLLER | 227"<br>(5,766 mm)                                                  | 240"<br>(6,096 mm)                  |
| F                                                                                                     | DUMP ANGLE                           | 52"                                                                 |                                     |
| G                                                                                                     | MAX TILT HEIGHT                      | 54" HH: 137.13"<br>(3,483 mm)<br>62" HH: 141.38"<br>(3,591 mm)      |                                     |
| H                                                                                                     | JIB TRAVEL                           | 35"<br>(889 mm)                                                     | 48"<br>(1,219 mm)                   |
| I                                                                                                     | FRONT OF JIB TO CENTERLINE OF HOOK   | 5.19"<br>(132 mm)                                                   |                                     |
| J                                                                                                     | HOOK BELOW FRAME                     | 54" HH: 3" (76 mm) Above Frame<br>62" HH: 3.56" (90 mm) Below Frame |                                     |
| K                                                                                                     | LOWEST POINT OF DUMP*                | 23.63"<br>(600 mm)                                                  |                                     |
| L                                                                                                     | CENTERLINE TO BACK OF ROLLER         | 6"<br>(152 mm)                                                      |                                     |
| *ASSUMES 3' OVERHANG FROM CENTER OF REAR ROLLER PIN. (BUMPER TYPICALLY 12" FROM CENTER OF ROLLER PIN) |                                      |                                                                     |                                     |

## NXT52 Specifications - Continued

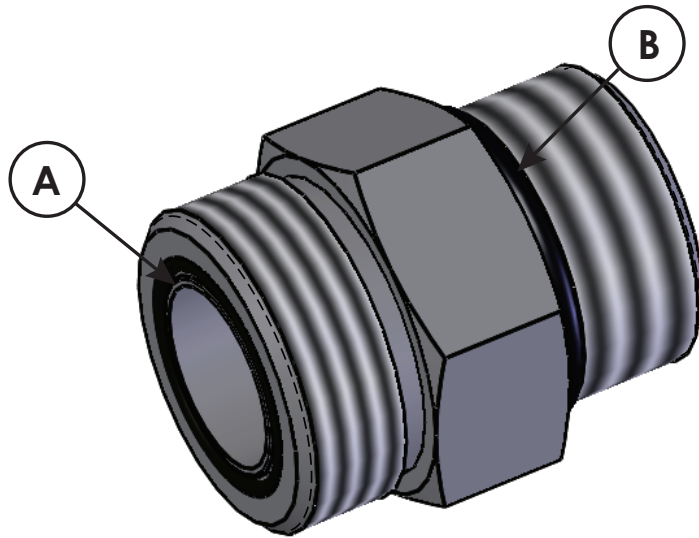
| NXT52                   |                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HOOK HEIGHT:            | 54" (1,372 mm) OR 62" (1,568 mm)                                                                                                                                                                            |
| LIFT CAPACITY           | 54" HH: 52,000 LB (23,587 kg)                                                                                                                                                                               |
|                         | 62": HH: 52,000 LB (23,587 kg)                                                                                                                                                                              |
| DUMP CAPACITY:          | 52,000 LB (23,587 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: 6,015 LBS (2,728 kg)                                                                                                                                                                            |
|                         | HYDRAULIC JIB: 6,120 LBS (2,776 kg)                                                                                                                                                                         |
|                         | (WITHOUT RESERVOIR AND BODY LOCKS.)                                                                                                                                                                         |
| BODY LENGTHS:           | SHORT VERSION: 16' – 20' (4,877 – 6,096 mm)                                                                                                                                                                 |
|                         | LONG VERSION: 16' – 22' (4,877 – 6,706 mm)                                                                                                                                                                  |
| MIN. TRUCK GVWR:        | 54,000 LB (24,494 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:

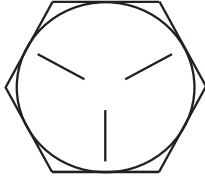
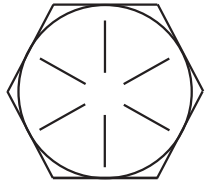
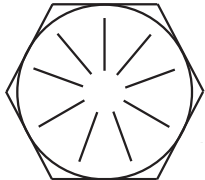


## Face Seal / O-Ring Size Chart



| 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<br>(DIA - TPI) | BOLT DIA<br>(INCHES) | PLAIN<br>( FT-LB)                                                                 | PLATED<br>(FT-LB) | PLAIN<br>(FT-LB)                                                                   | PLATED<br>(FT-LB) | PLATED<br>(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 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



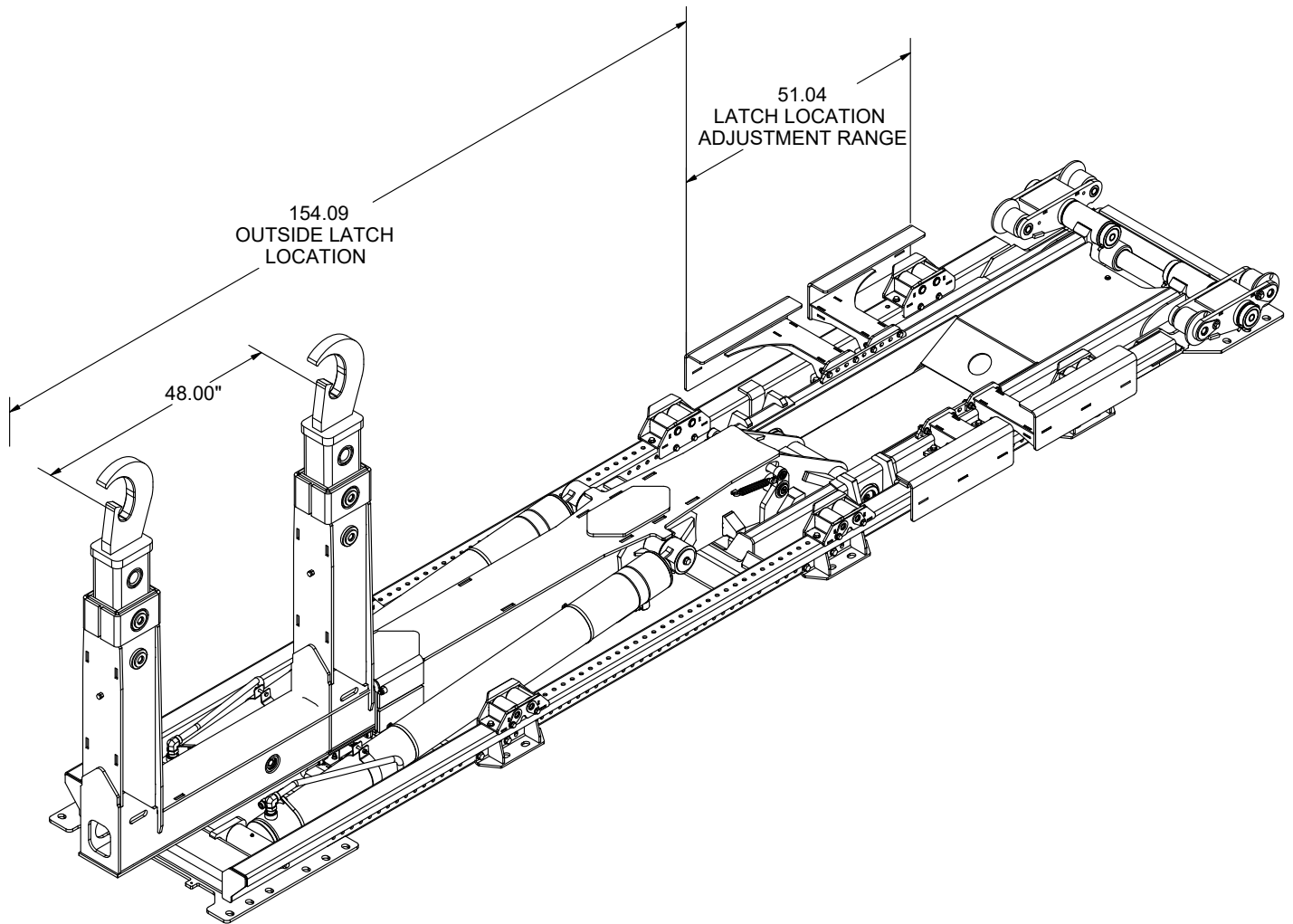
| -SIZE | THREAD SIZE   | FT-LB TORQUE |
|-------|---------------|--------------|
| -4    | 9/16-18 UNF   | 13           |
| -6    | 11/16-16 UN   | 23           |
| -8    | 13/16-16 UN   | 40           |
| -10   | 1-14 UNS      | 61           |
| -12   | 1-3/16-12 UN  | 86           |
| -16   | 1-7/16-12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

# Chapter 2 - Assembly Drawings NXT52

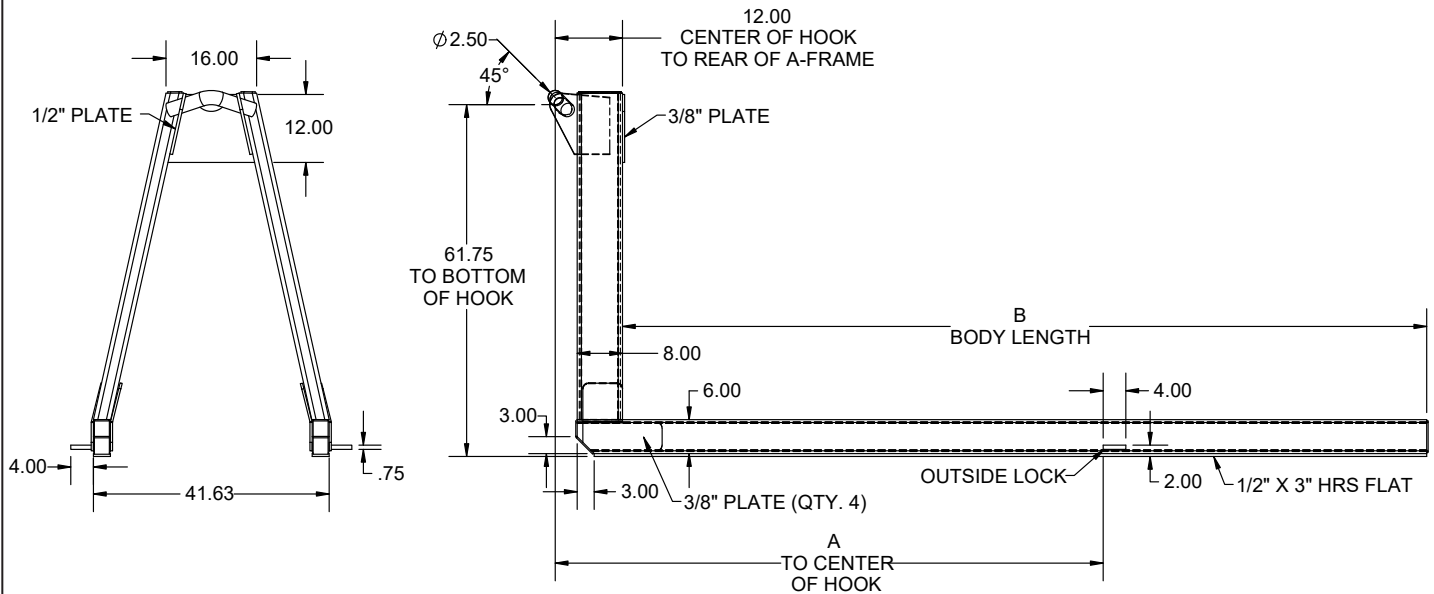
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| NXT52 Cyl Asm 4.00 x 48.00 - PN 141279.....               | 23 |

# NXT52 Outside Latch Assembly Location



# Skid Drawing 62HH - PN 132904



## PN 132904

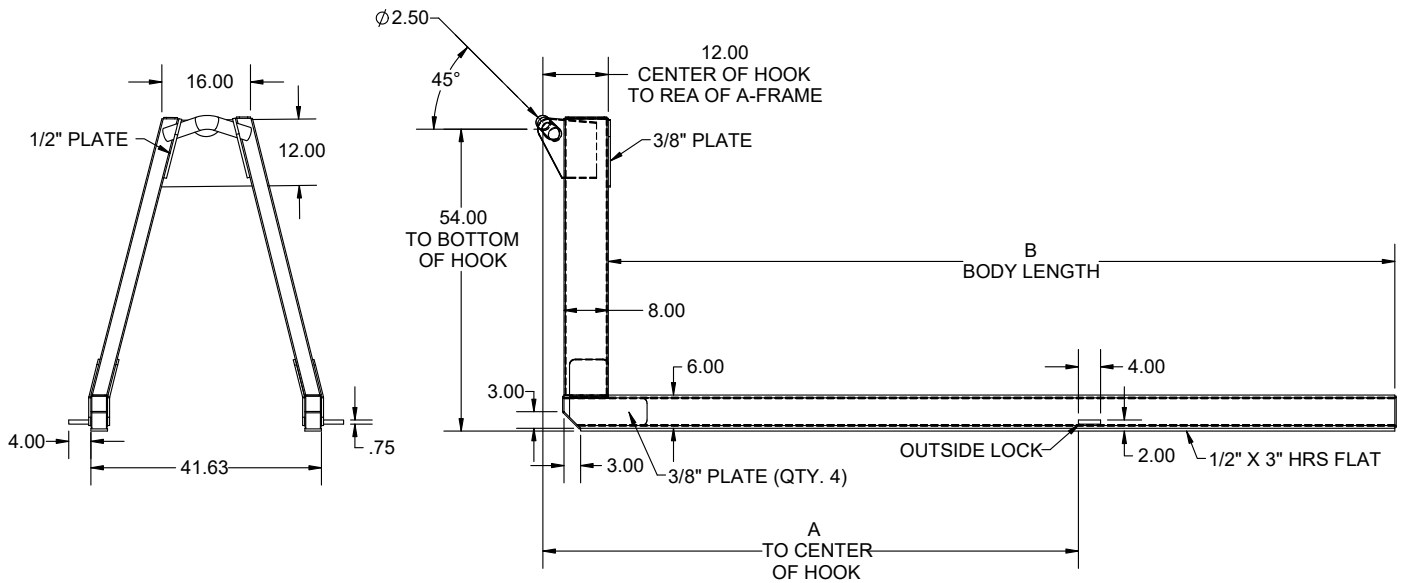
| PART NO. | DESCRIPTION                             | A      | B   |
|----------|-----------------------------------------|--------|-----|
| 29147    | SKID 62"HH 8X3 16' 156" OUTSIDE LOCK    | 156    | 192 |
| 134159   | SKID 62"HH 8X3 17' 156" OUTSIDE LOCK    | 156    | 204 |
| 8584     | SKID 62"HH 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.**

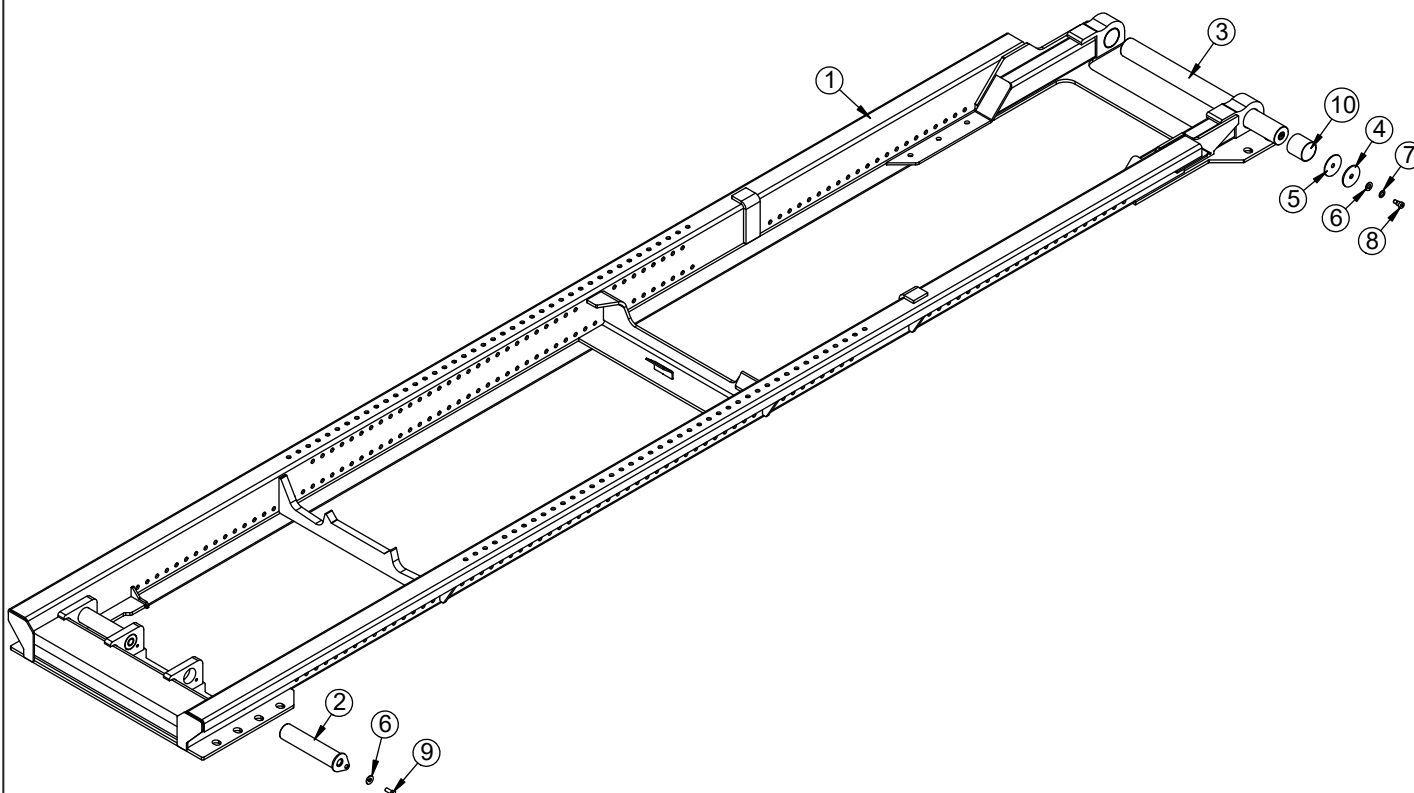
# Skid Drawing 54.00HH - PN 133932



| 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.**

# NXT52 Base Assembly - PN 133023

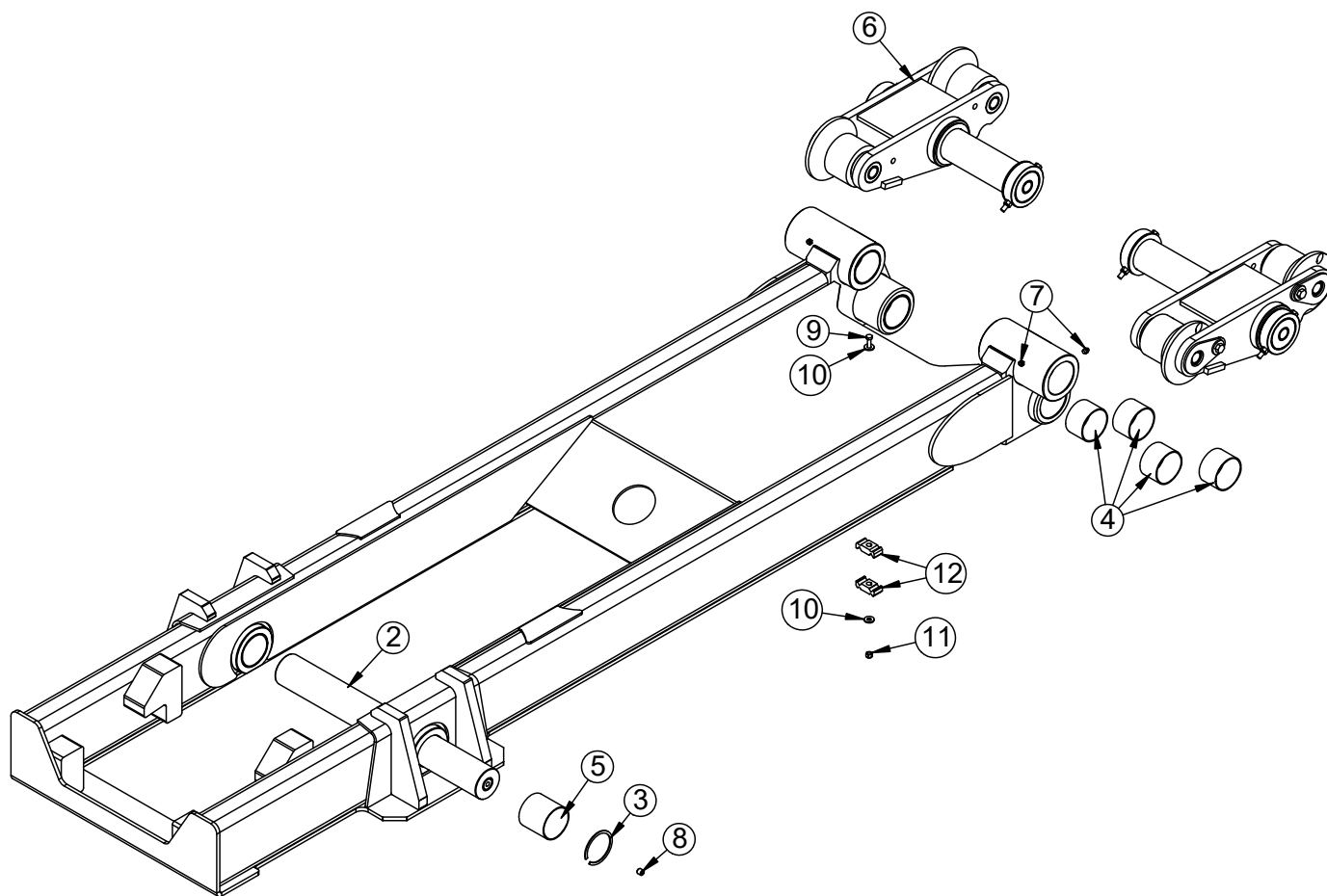


## PN 133023

| 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   |

INITIAL RELEASE - REQ946

# NXT52 Dump Assembly - PN 139197



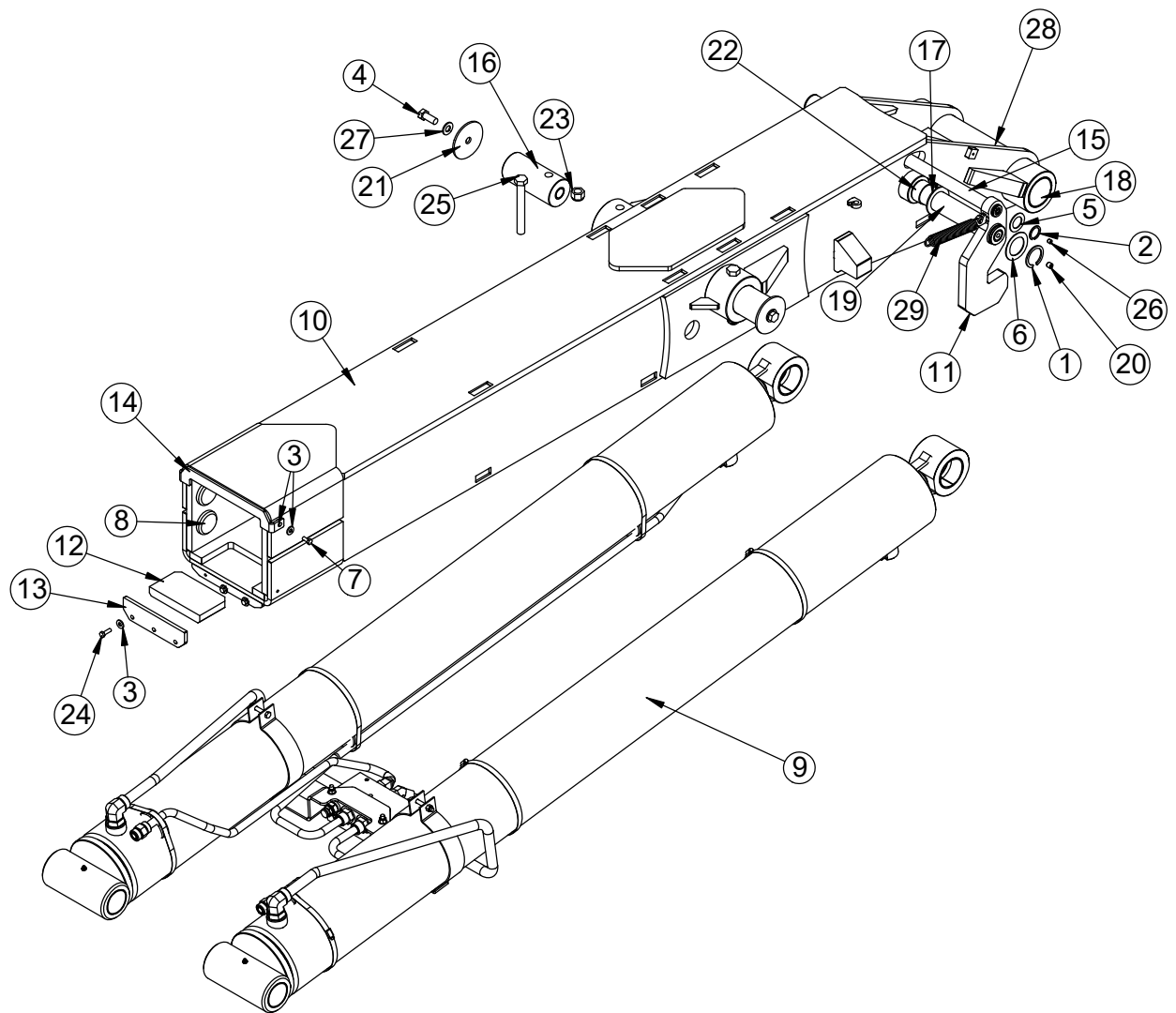
## PN 139197

| 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

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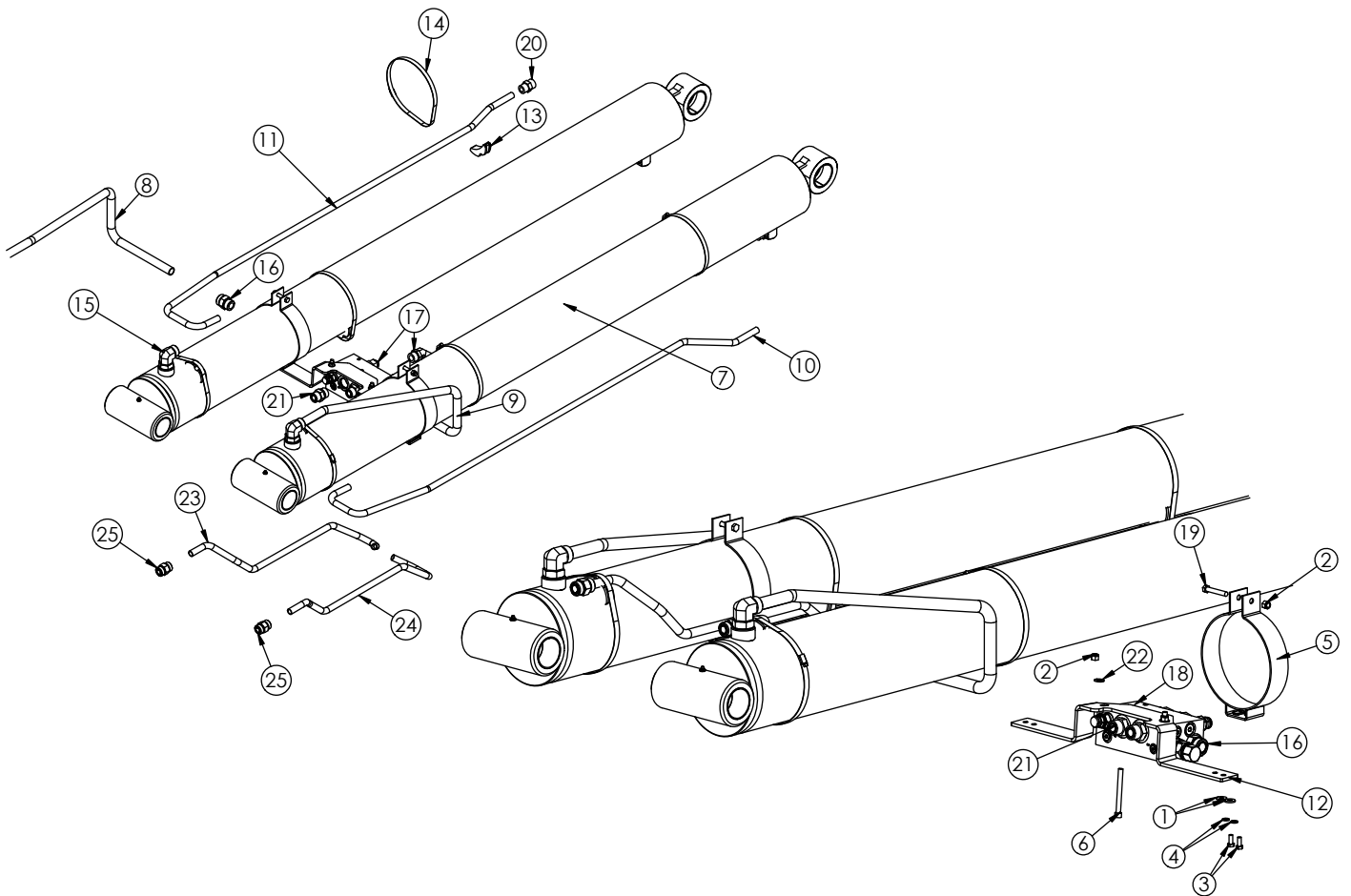
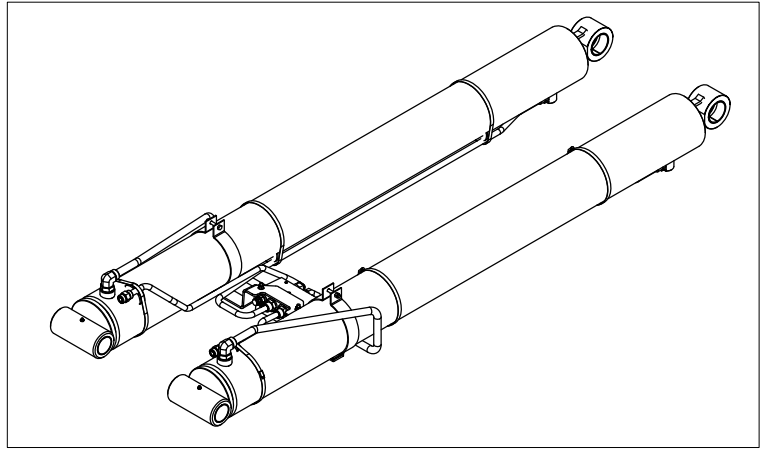
# NXT52 Secondary/Dump Latch Asm - PN 129351



# NXT52 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 |          |                                     |     |

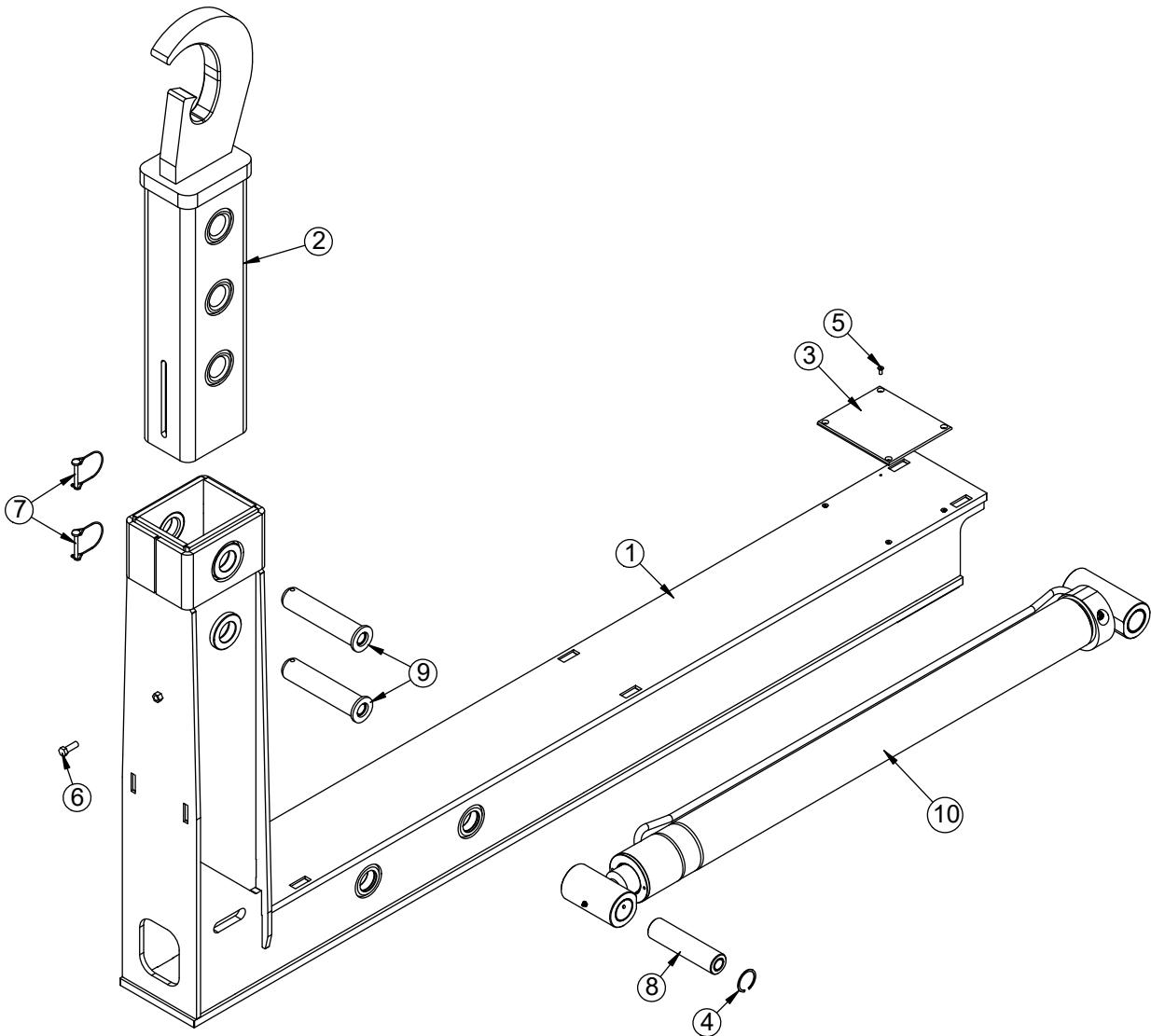
# NXT52 Main Cylinder Assembly - PN 129352



# NXT52 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. A    |        |                                       |     |

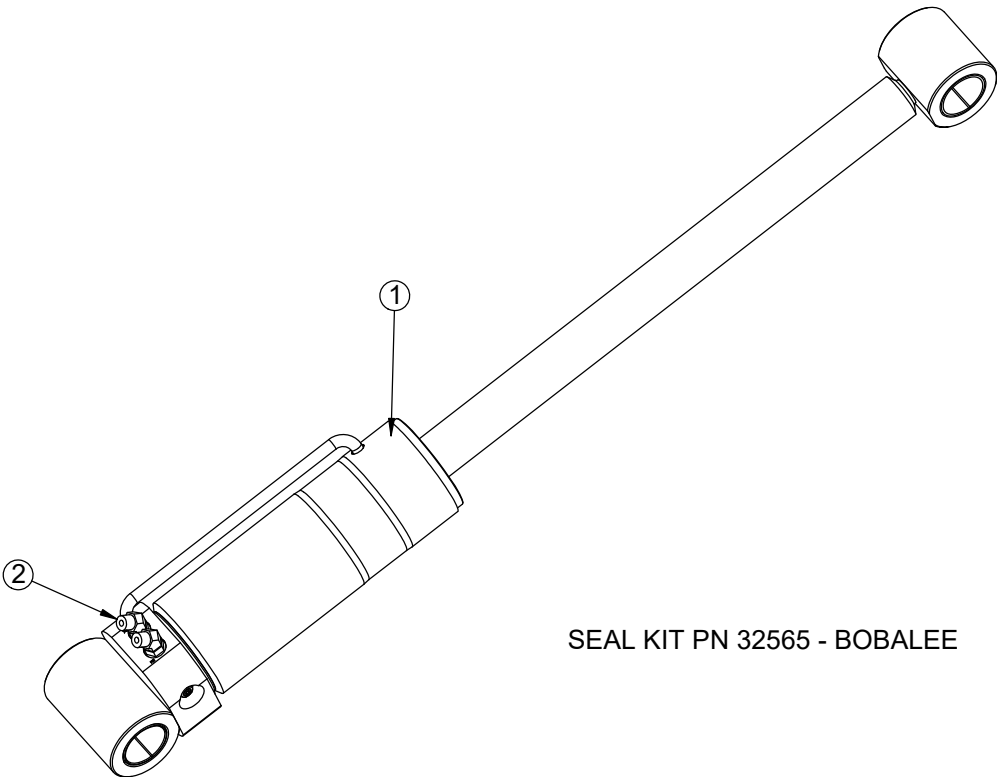
**NOTE:**  
**SEAL KIT PN: 132900**



# NXT52 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 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. A    |          |                               |     |

# NXT52 Cylinder Assembly PN 141721

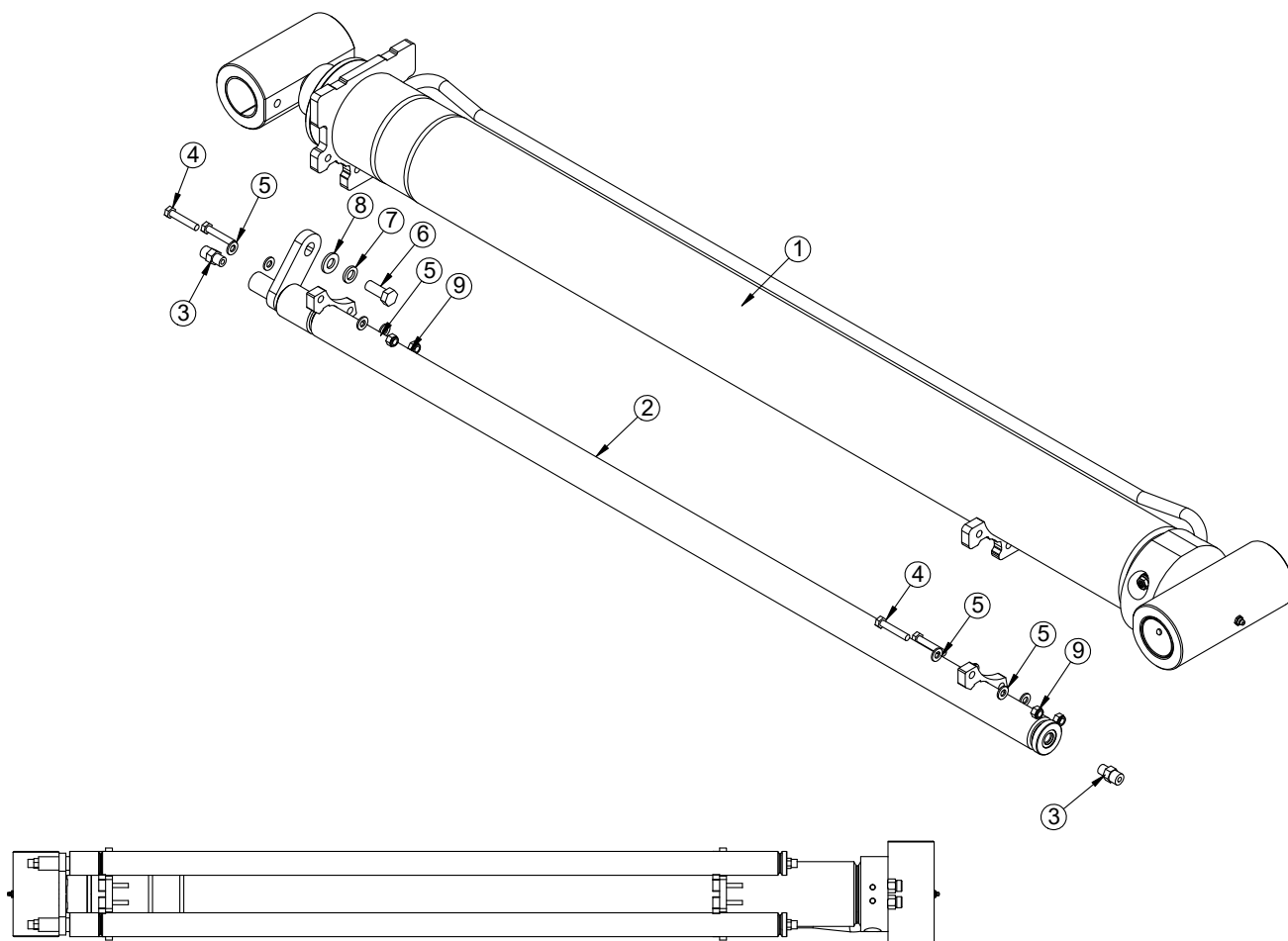


## PN141721

| 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

# NXT52 Cyl Asm 4.00 x 48.00 - 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   |
| REV. INITIAL RELEASE - REQ946 |        |                                  |     |

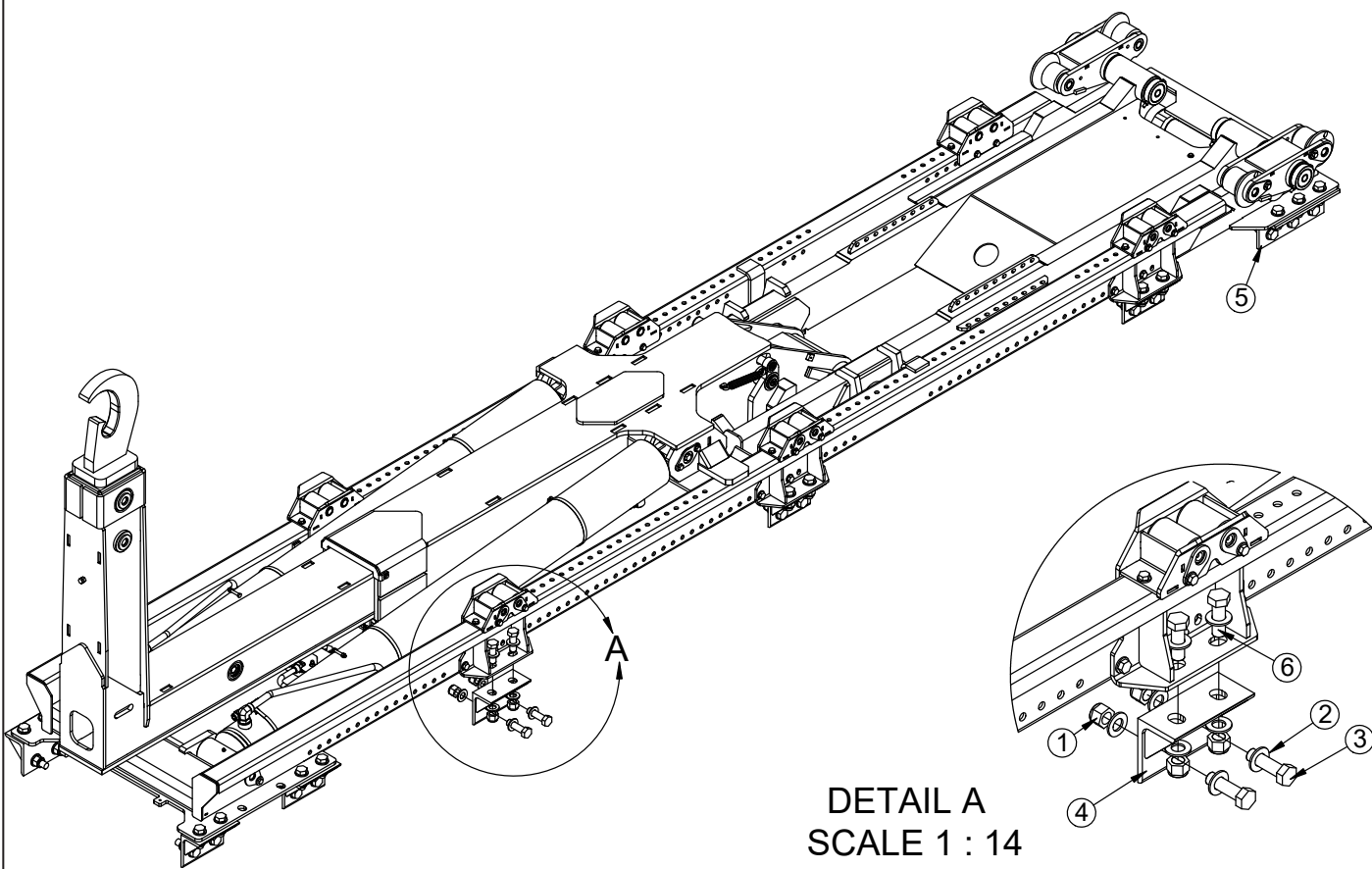
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# Chapter 3 - Auxillary Assemblies NXT52

## Chapter Contents

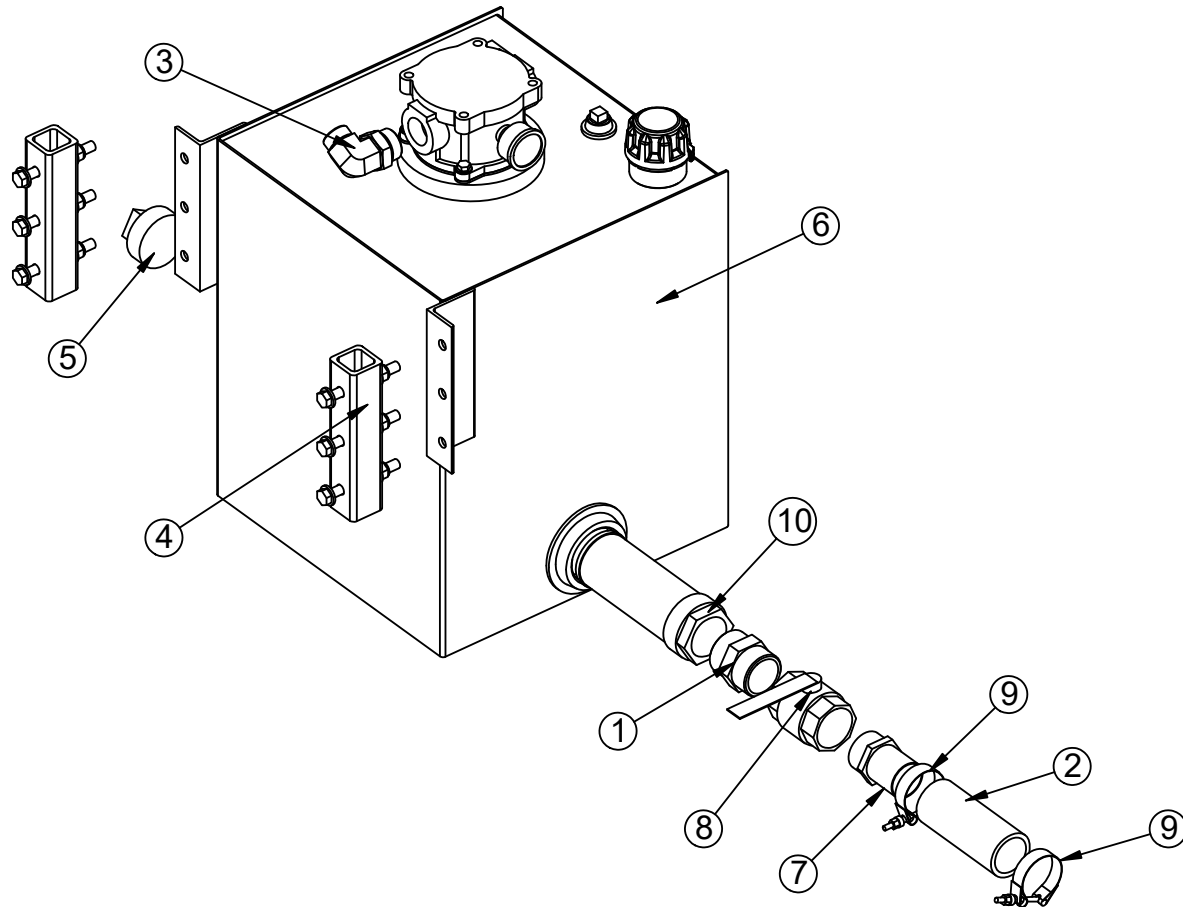
|                                                               |    |
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| Reservoir Assembly - PN 130144 .....                          | 27 |
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# Mounting Kit - PN 135729



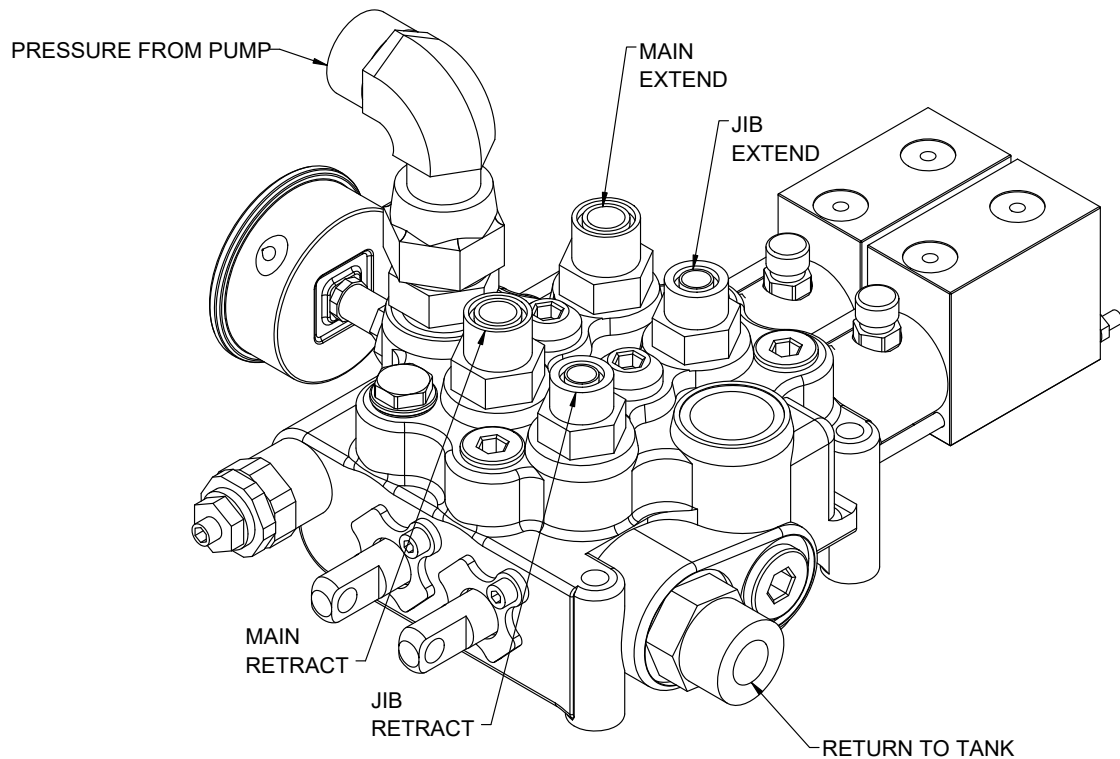
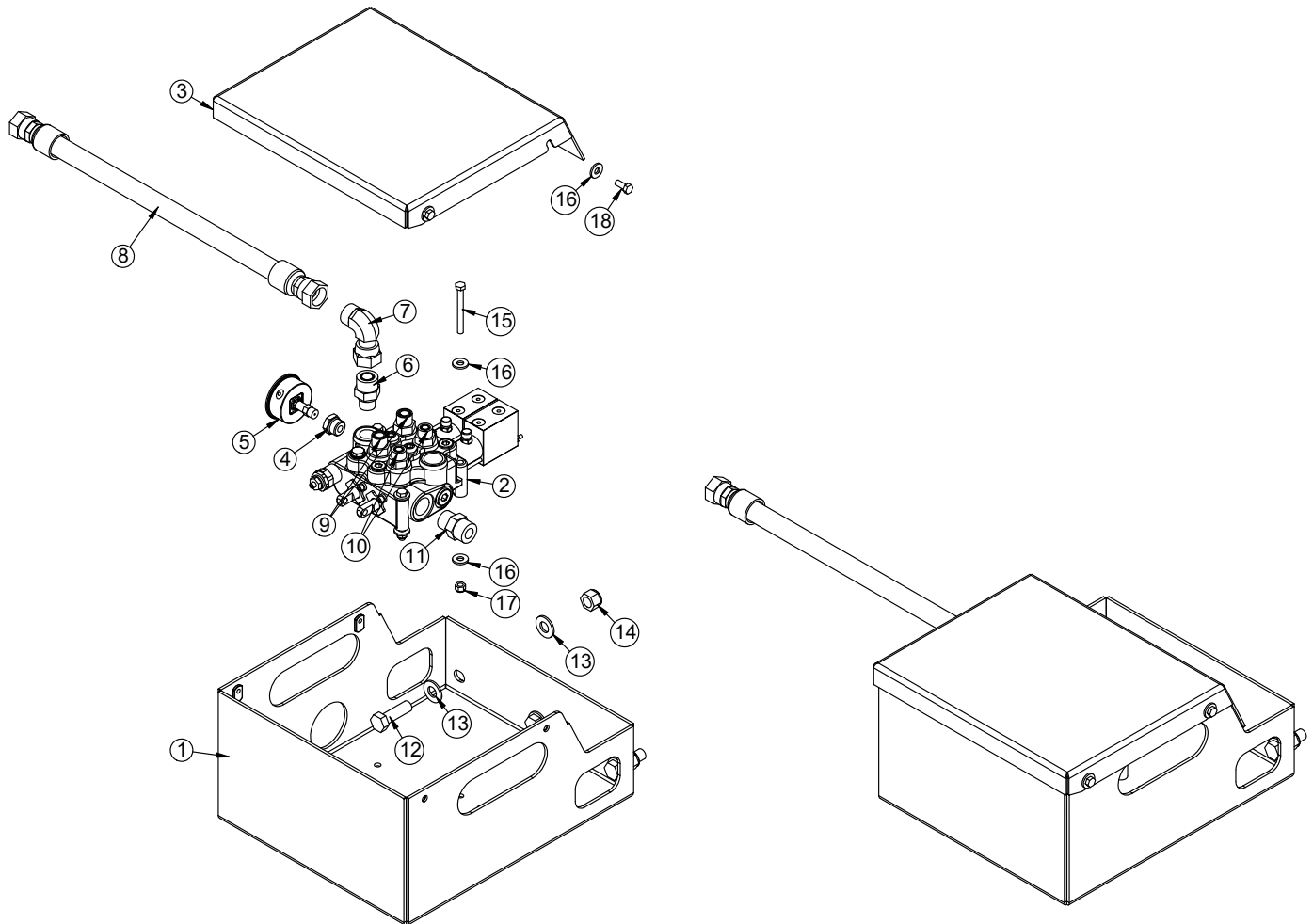
| 135729                   |        |                                         |     |
|--------------------------|--------|-----------------------------------------|-----|
| ITEM                     | PART   | DESCRIPTION                             | QTY |
| 1                        | 6538   | WASHER 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 |        |                                         |     |

# 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   |
| INITIAL RELEASE - REQ946 |        |                                           |     |

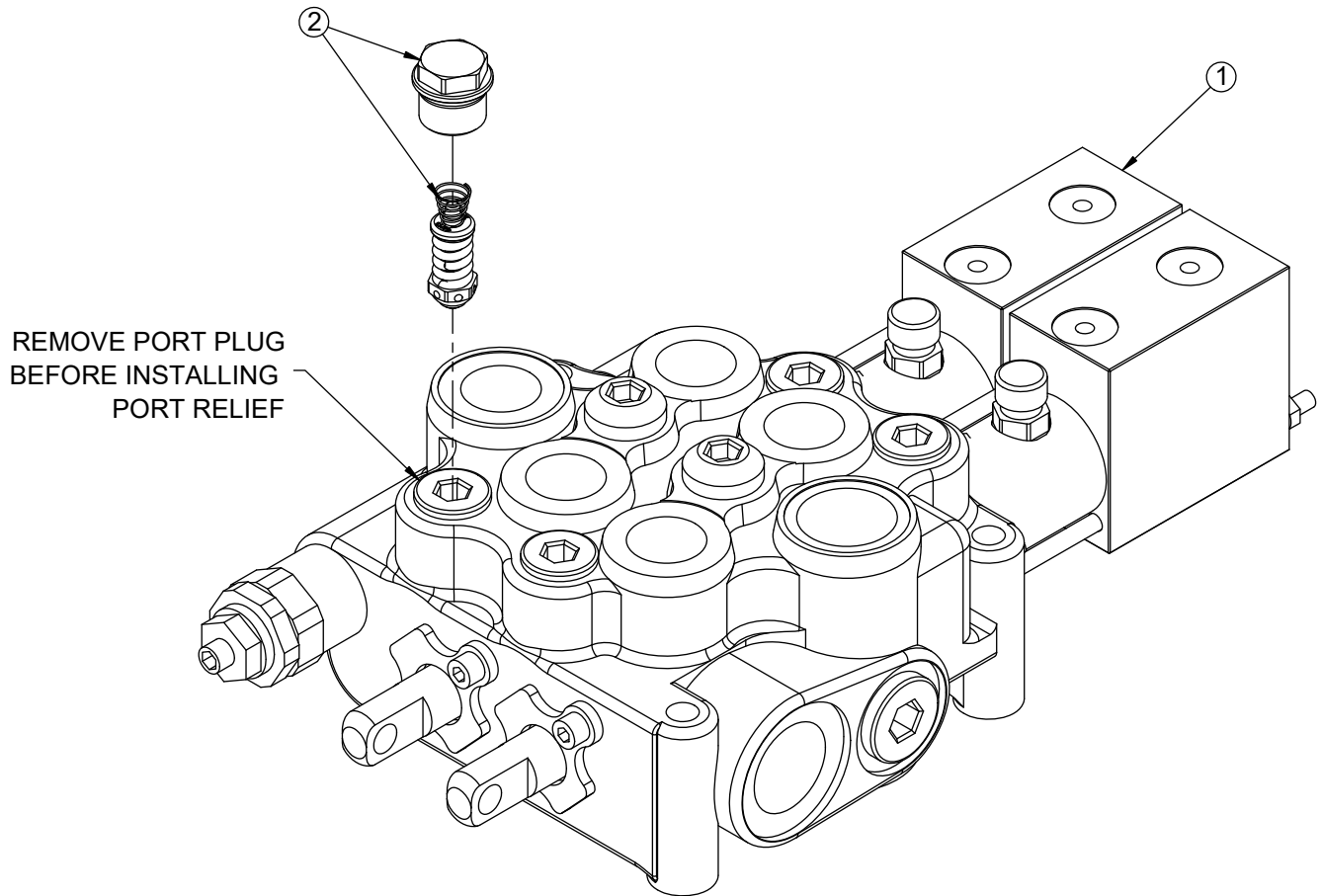
# Valve Bank - PN 129905



# 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    |        |                                                            |     |

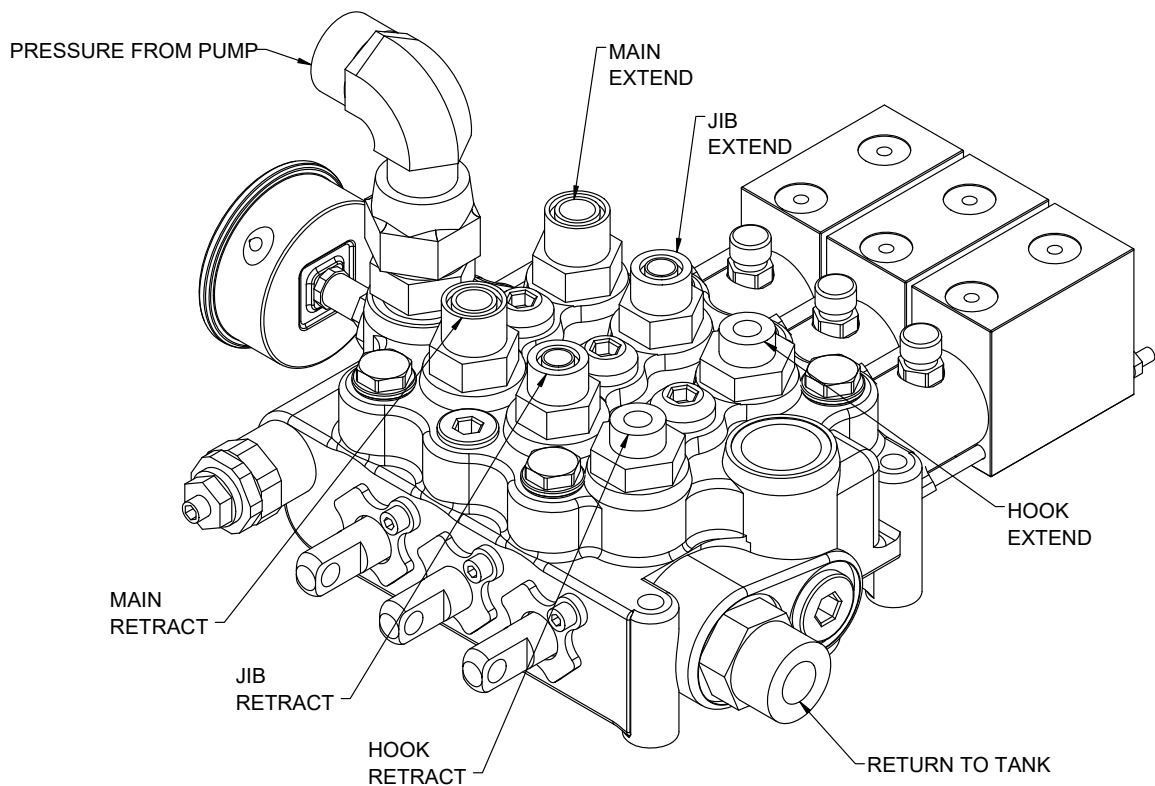
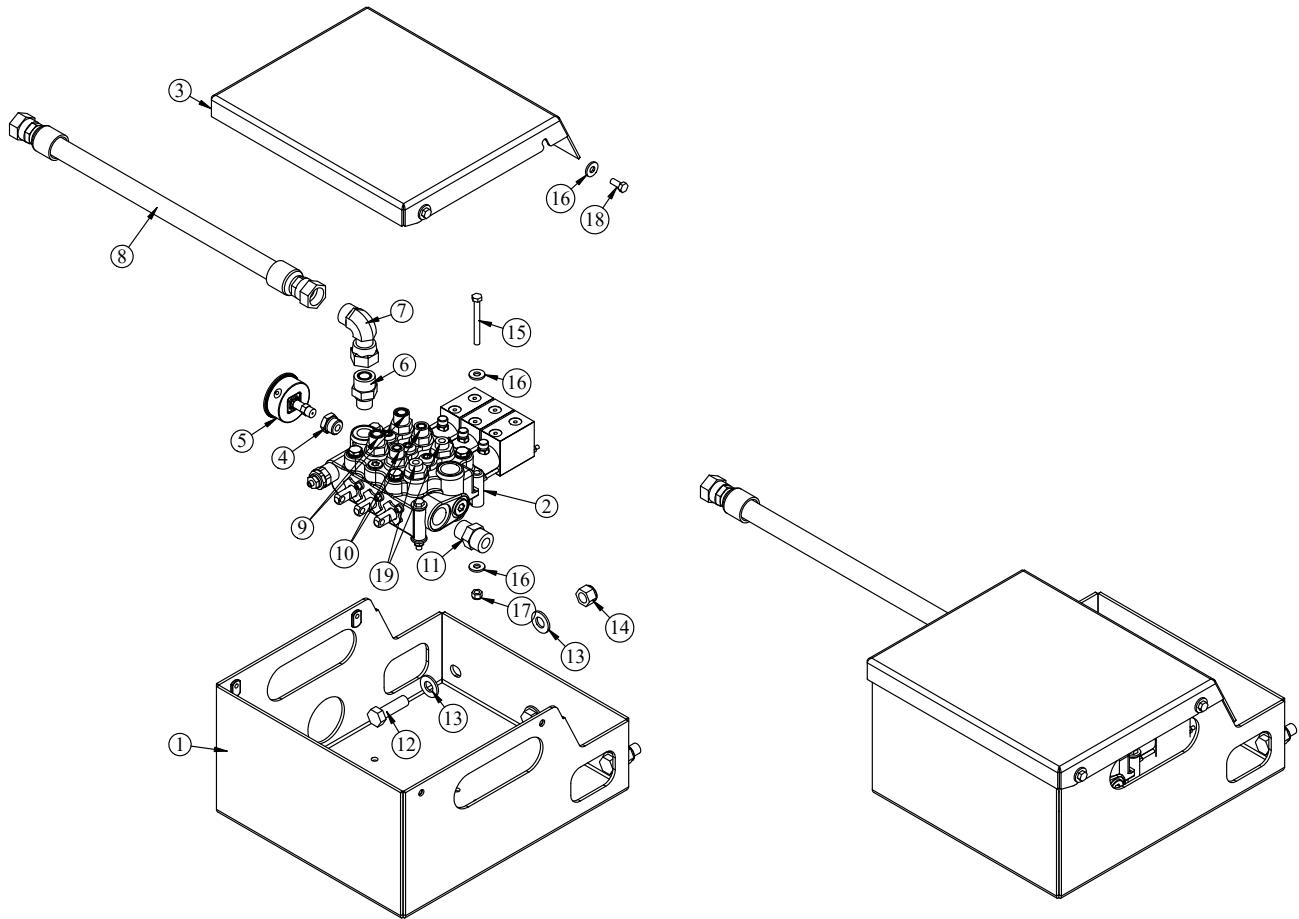
# Valve Bank - PN 132682



| PN 132682 |       |                                                                     |     |
|-----------|-------|---------------------------------------------------------------------|-----|
| 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                                           | 1   |

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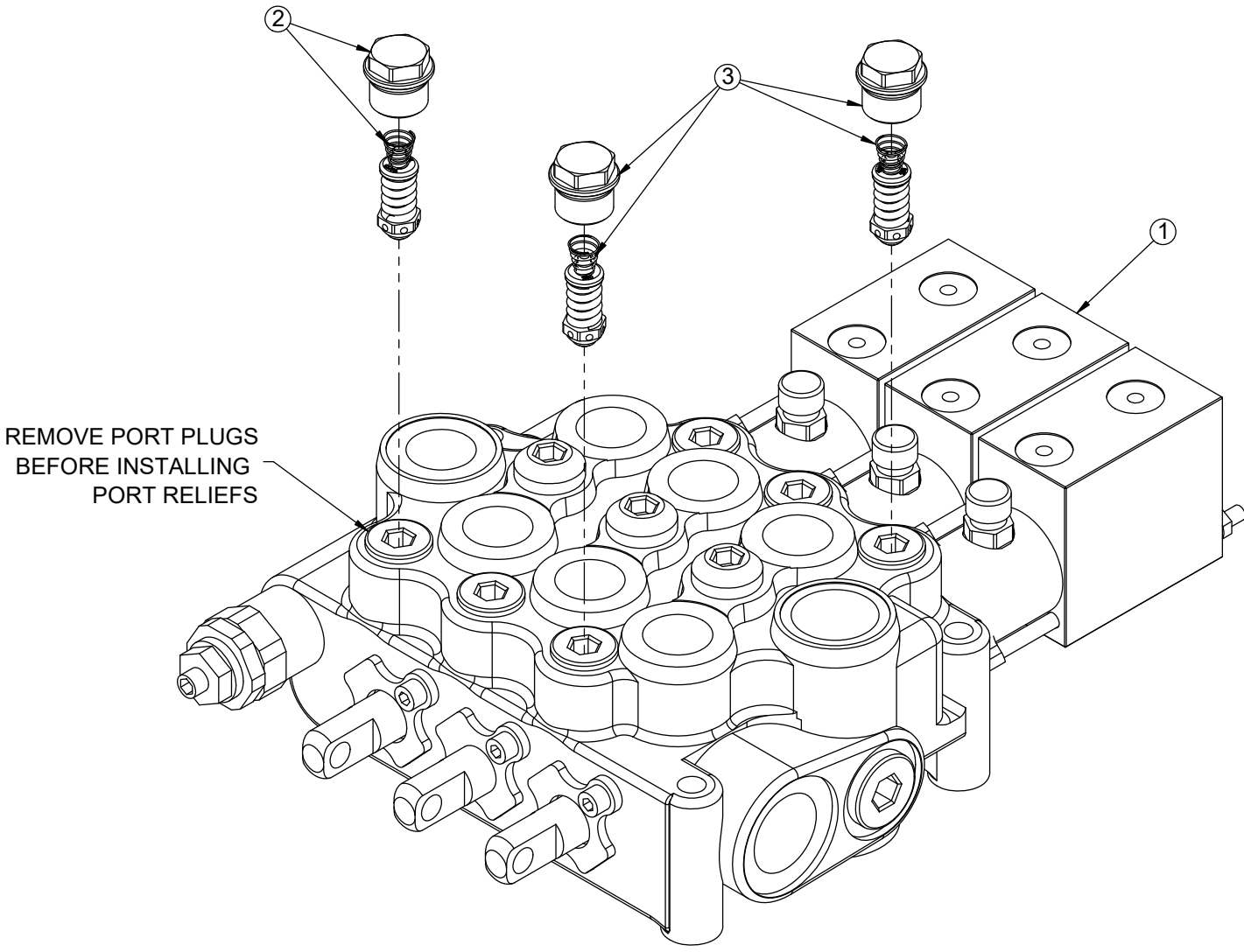
# NXT52 3-Section Valve Bank Assembly- PN 132329



# NXT52 3-Section Valve Bank Assembly- PN 132329 Parts

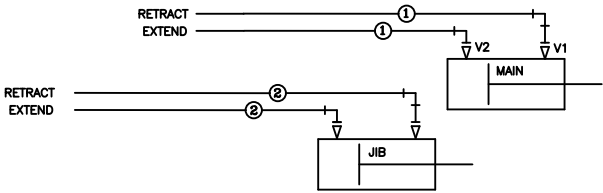
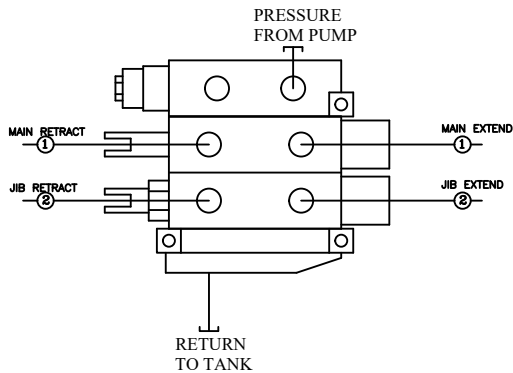
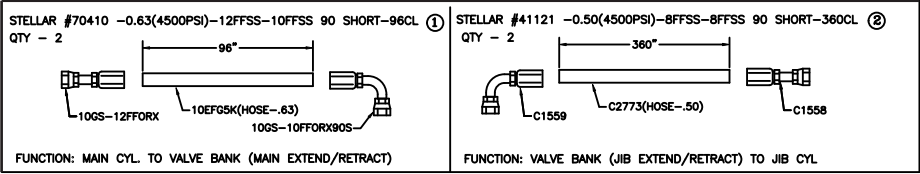
| PN 132329            |        |                                                                  |     |
|----------------------|--------|------------------------------------------------------------------|-----|
| ITEM                 | PART   | DESCRIPTION                                                      | 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 |        |                                                                  |     |

# NXT52 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    |       |                                             |     |

# NXT52 Hose Kit - PN 129649

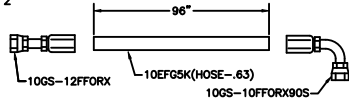


NOTE: SYSTEM PRESSURE IS 4500 P.S.I.

| 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. A - REQ 946 |       |                                                |     |

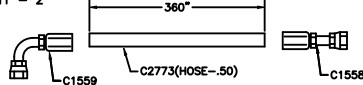
# NXT52 3-Section Hose Kit - PN 142877

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



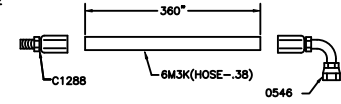
FUNCTION: MAIN CYL. TO VALVE BANK (MAIN EXTEND/RETRACT)

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

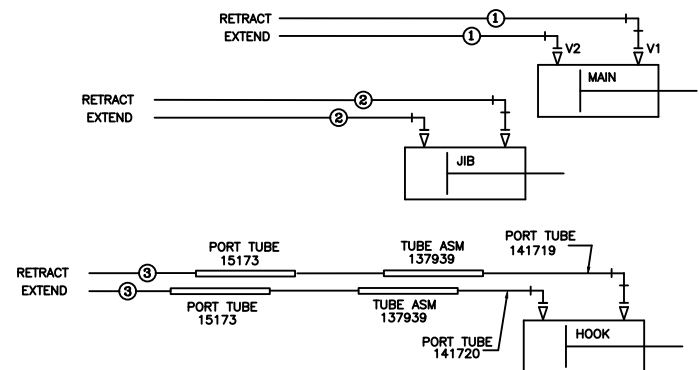
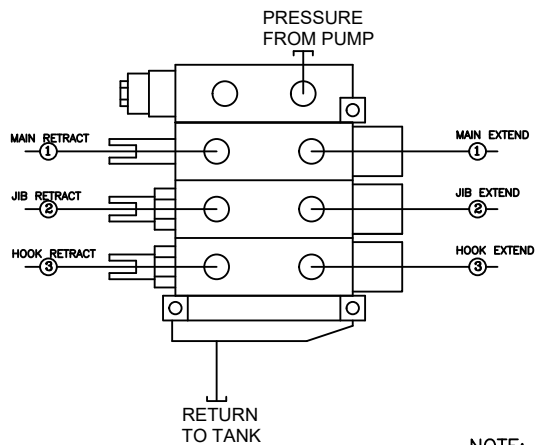


FUNCTION: VALVE BANK (JIB EXTEND/RETRACT) TO JIB CYL

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



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

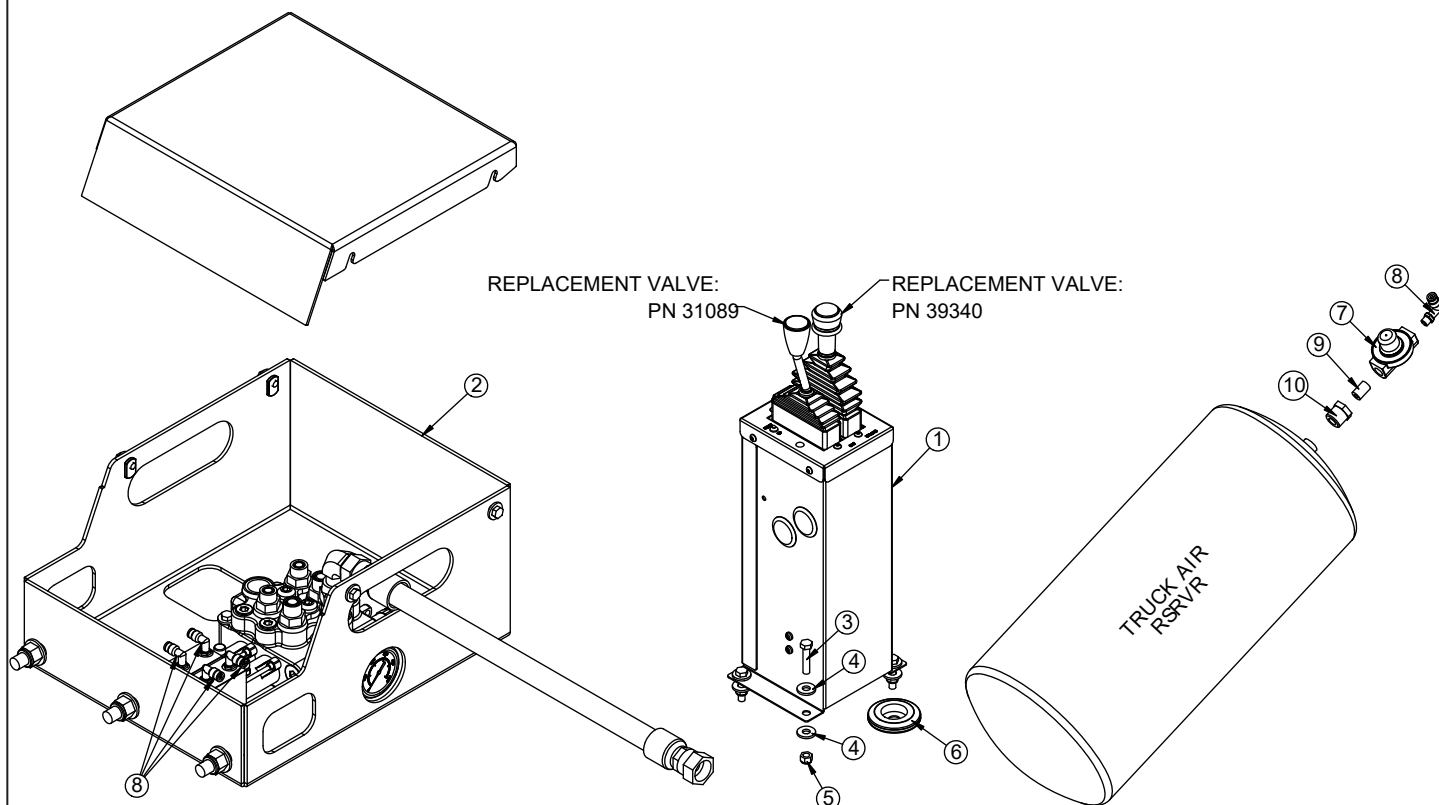


NOTE: SYSTEM PRESSURE IS 4500 P.S.I.

## 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 |        |                                                |     |

# Controller Assembly PN 131283

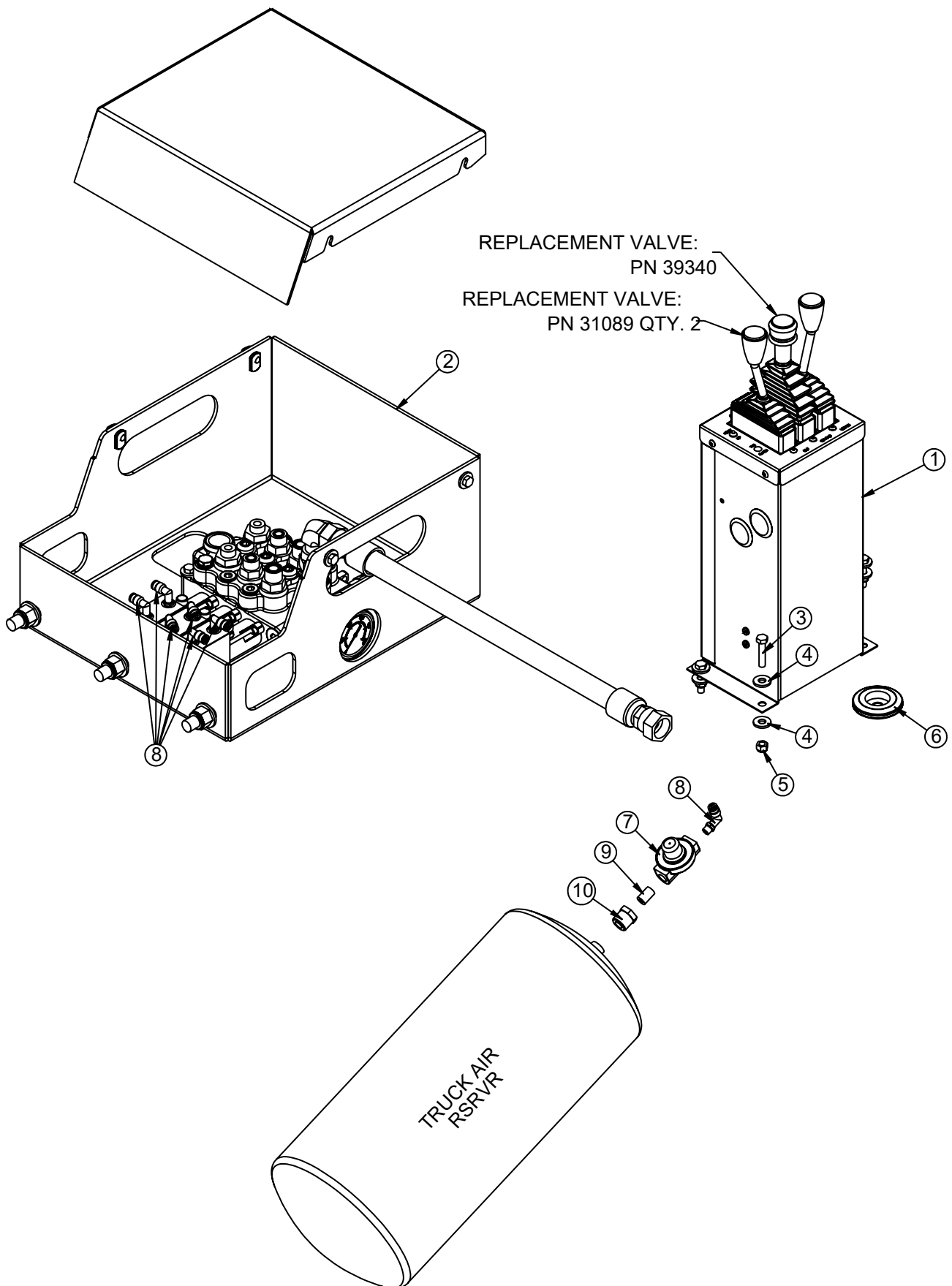


| PN 131283            |        |                                         |     |
|----------------------|--------|-----------------------------------------|-----|
| ITEM                 | PART   | DESCRIPTION                             | QTY |
| 1                    | 131279 | CONTROLLER ASM AIR 2 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   |
| REV. INITIAL RELEASE |        |                                         |     |

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

**NOTES:**  
**ITEMS 3-10 INCLUDED WITH 131279**

# NXT52 Controller Asm, 3-Sect w VB Asm - PN 131705



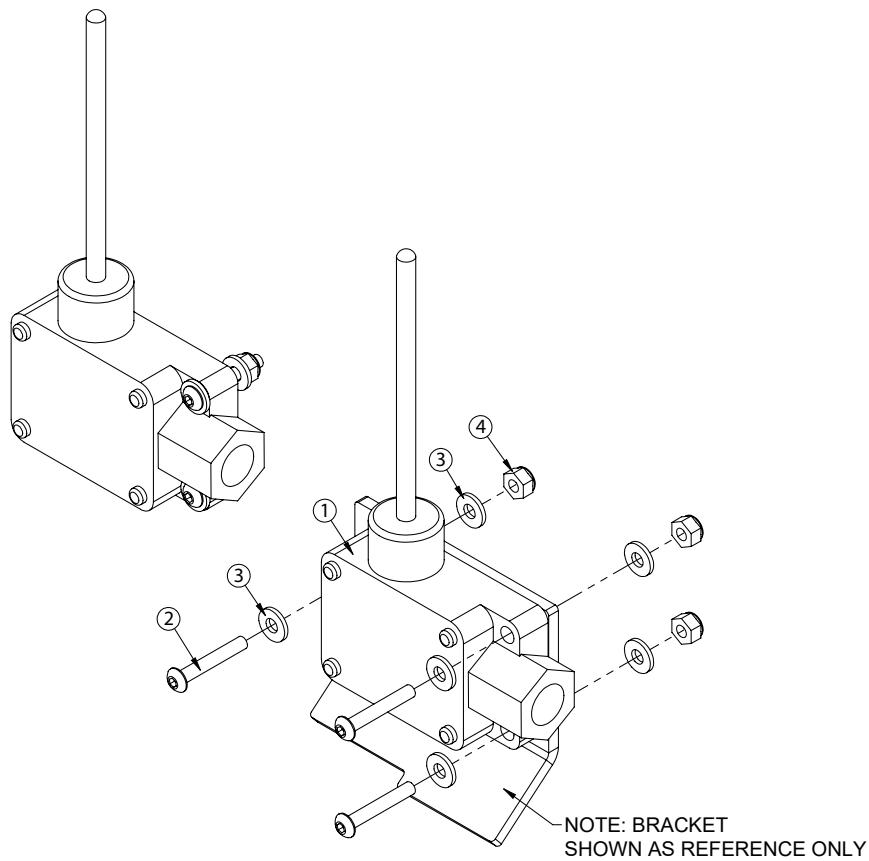
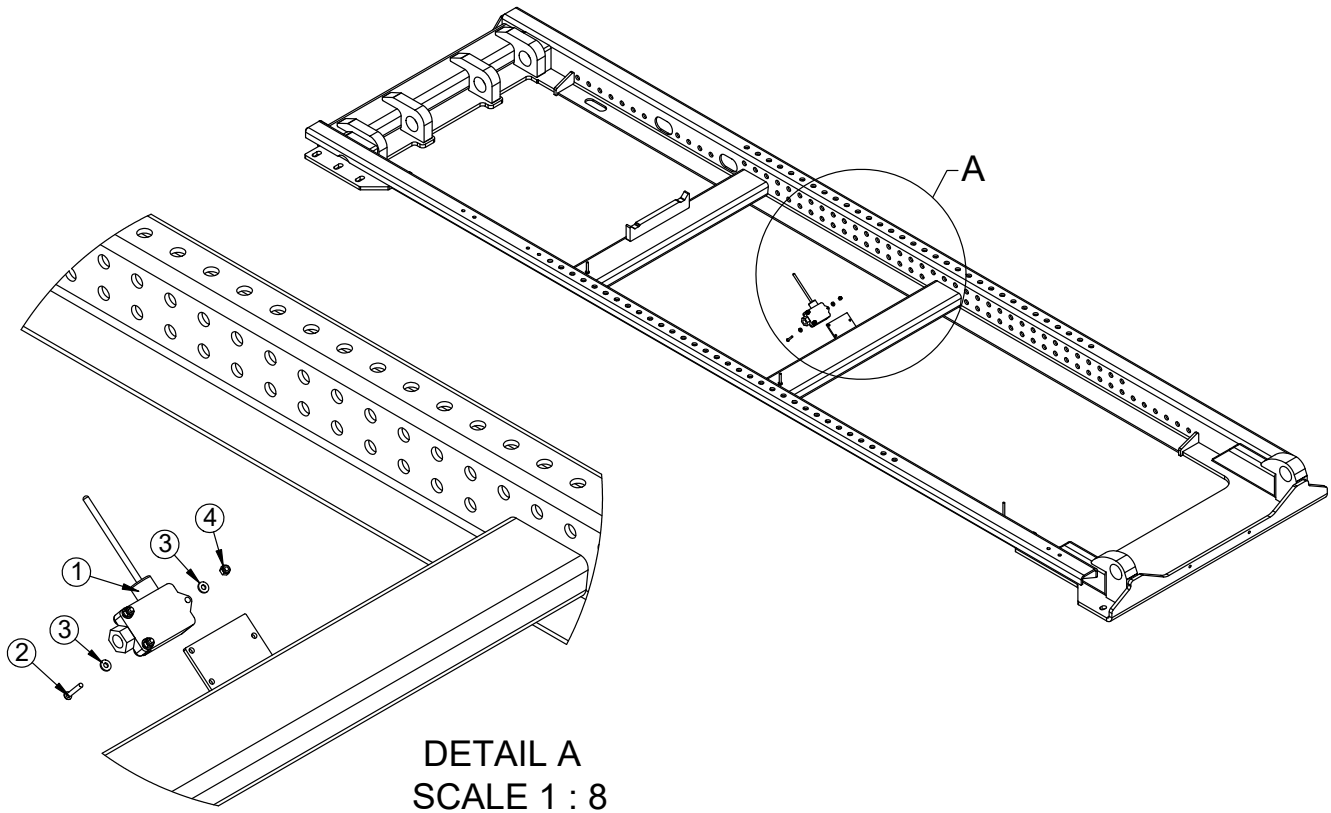
# NXT52 Controller Asm, 3-Sect w VB Asm - PN 131705

| PN 131705            |        |                                         |     |
|----------------------|--------|-----------------------------------------|-----|
| ITEM                 | PART   | DESCRIPTION                             | QTY |
| 1                    | 131707 | CONTROLLER ASM AIR 3 SECT NXT52         | 1   |
| 2                    | 132329 | VB ASM 3S 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         | 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.

# 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

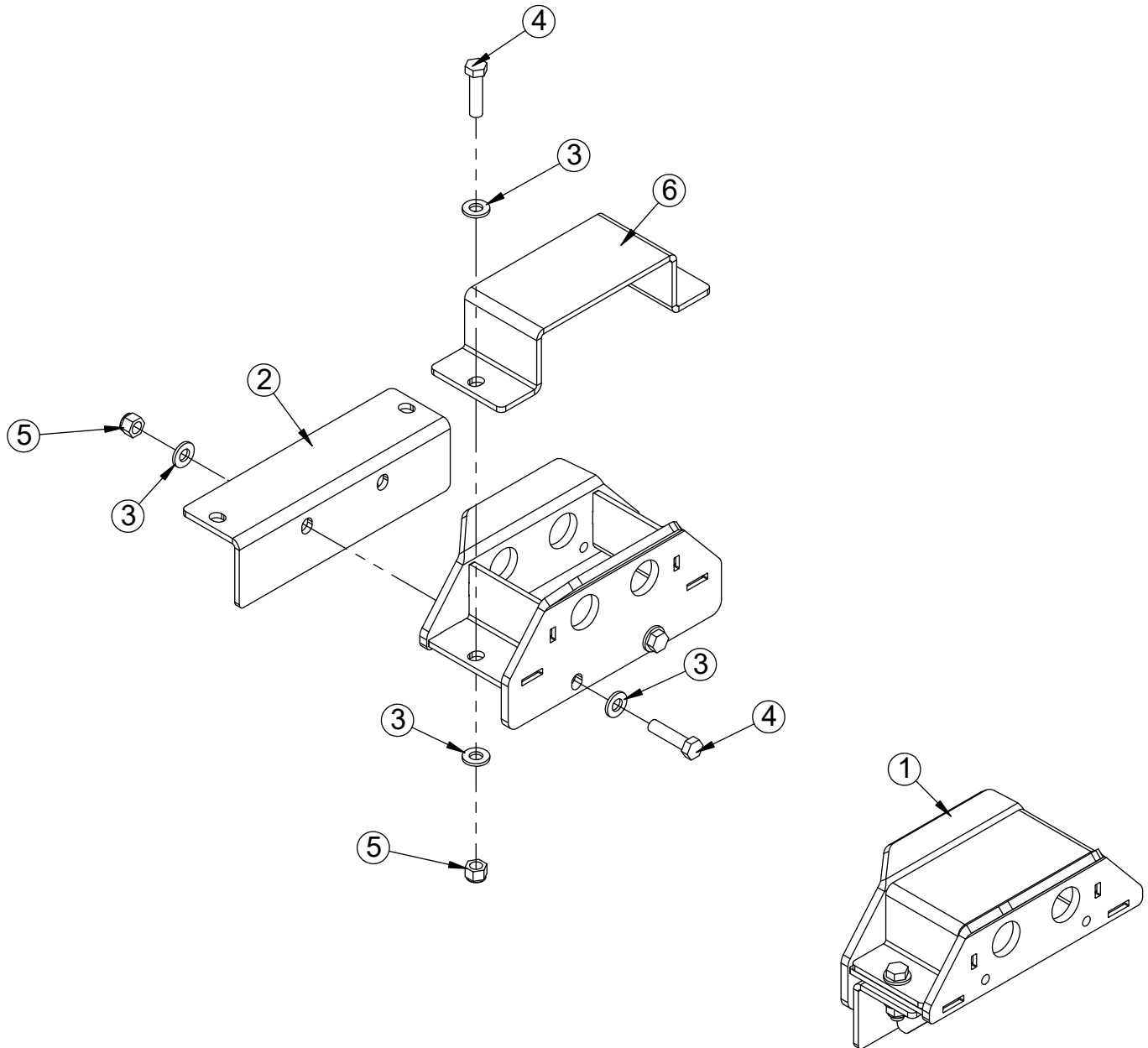
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# Chapter 4 - Accessory Drawings

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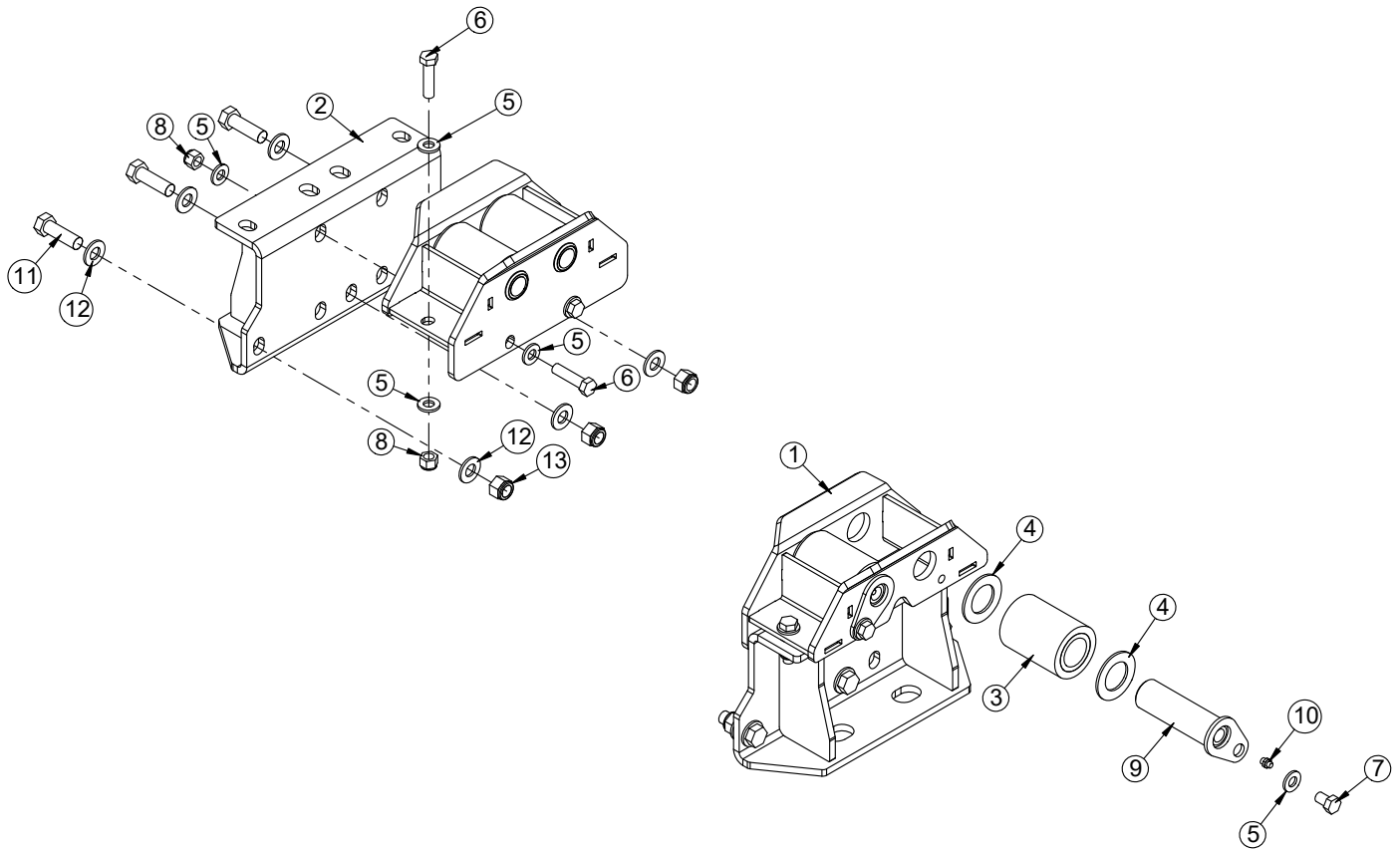
## Saddle Asm Skid Plate - PN 129504



# Saddle Asm Skid Plate - PN 129504 Parts List

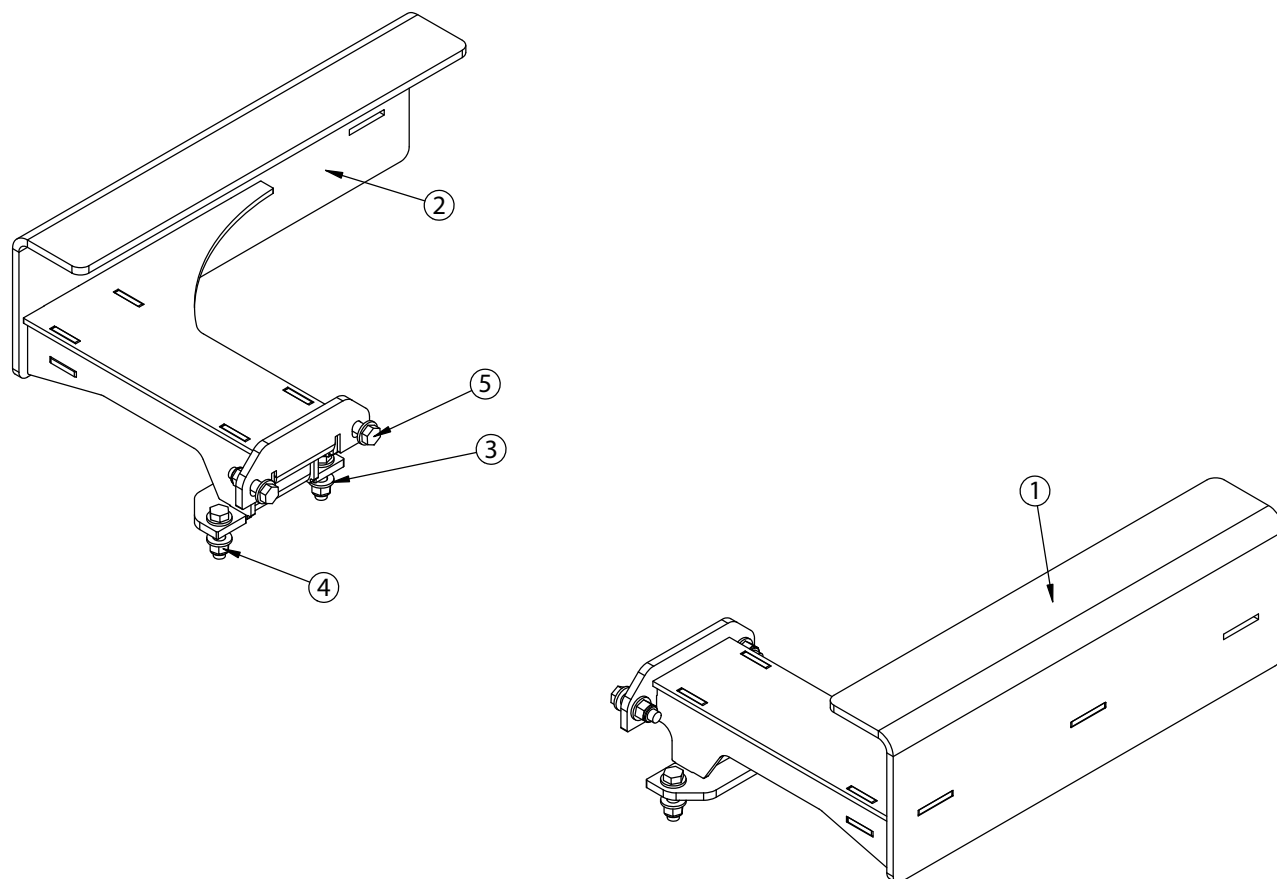
| PN 129504       |        |                                 |     |
|-----------------|--------|---------------------------------|-----|
| ITEM            | PART   | DESCRIPTION                     | QTY |
| 1               | 129374 | WLDMT SADDLE CARRIAGE NXT52     | 2   |
| 2               | 129378 | 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 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 |          |                                   |     |

# NXT52 Outside Latch Asm Bolt On - PN 133926

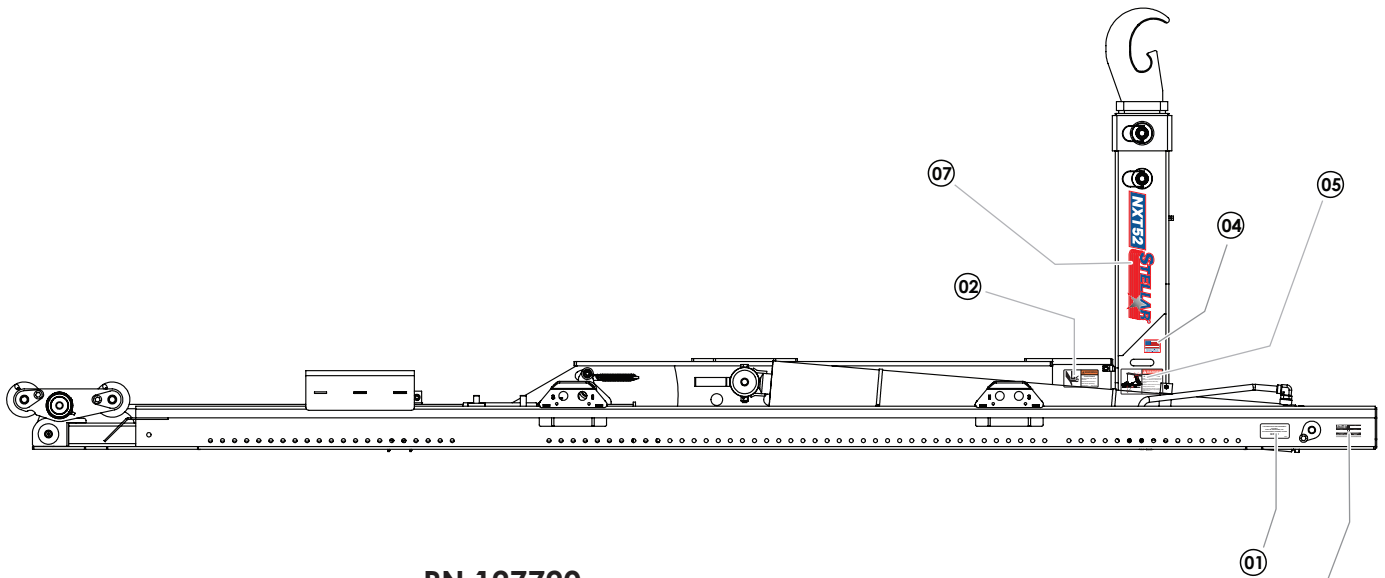


## PN 133926

| ITEM | PART   | DESCRIPTION                       | QTY |
|------|--------|-----------------------------------|-----|
| 1    | 133927 | WLDMNT LOCK OUTER SS NXT52V2 BOLT | 1   |
| 2    | 133925 | WLDMNT LOCK OUTER CS NXT52V2 BOLT | 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   |

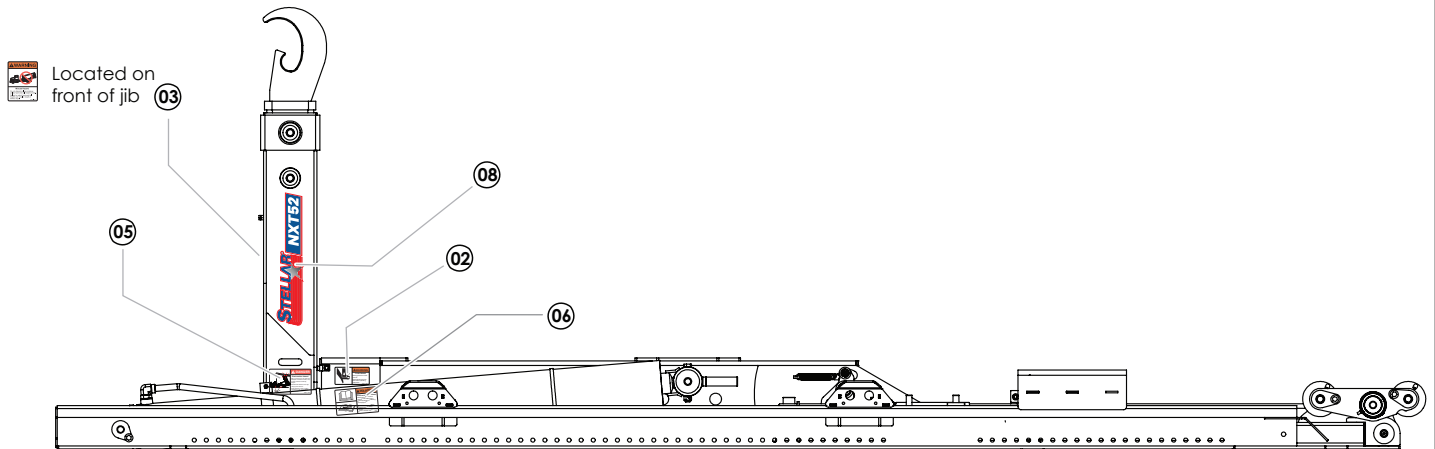
INITIAL RELEASE - REQ946

# NXT52 Hooklift Decals - PN 127720



**PN 127720**  
(Release - 04/03/23)

SERIAL PLATE (C5942)  
NOT INCLUDED  
WITH DECAL KIT



Located on  
front of jib

| 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   | 131093 | DECAL NXT52 STRIPE CS            | 1   |
| 08   | 131092 | DECAL NXT52 STRIPE SS            | 1   |







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