

FIELD FLOATER 7



28' PARTS MANUAL

PUB. 2021.1



PM-GC



BALZER

SAFETY MANUAL

Accuracy

Balzer Incorporated is dedicated to providing the most reliable and durable agricultural related products available. We have made every attempt to provide the most accurate and readily understandable information on our equipment. Due to our continuing efforts to produce the best products available, updates and improvements to our equipment may precede updates to this and other manuals. Therefore, the contents of this manual are based on the information in effect at the time of publication and are subject to change without notice.

It is the policy of Balzer Incorporated to constantly improve its products whenever it is practical to do so. Therefore, Balzer Incorporated reserves the right to redesign or change its equipment or component parts thereof without incurring the obligation to install or furnish such changes on equipment manufactured prior to date of redesign or change.

To the Purchaser



This is the safety alert symbol. It is used to alert the operator to an instruction concerning the personal safety and risk factor of this equipment. Always observe and heed these very important instructions to promote a safe operation with good preventive maintenance habits.

This Balzer product is designed and manufactured to provide years of dependable service when used for the purpose for which it is intended, and when properly maintained.

NEVER OPERATE THIS EQUIPMENT AT SPEEDS OVER 20 MPH.

NEVER OPERATE THIS EQUIPMENT UNTIL USER FULLY UNDERSTANDS THE COMPLETE CONTENTS OF THIS MANUAL. FOR OWNERS WHO DO NOT OPERATE THIS EQUIPMENT, IT IS THE OWNER'S RESPONSIBILITY TO ENSURE ALL USERS ARE PROPERLY INSTRUCTED AND FULLY AWARE OF THIS MANUAL'S CONTENTS.

This is important in the safe handling of this equipment and promoting an efficient operation. If there are any questions about areas in this manual, it is important to contact your dealer for clarification.

This machine is warranted as stated below. Registration of this equipment is to be completed online as soon as possible. This will provide a ready reference to help you in securing warranty and in answering questions that you may have at some later date.

Operating instructions and parts manuals are shipped with this machine. If parts of these manuals are missing or become unreadable, contact your dealer for a replacement manual.

The serial number and identification tag is located to the front of the frame. Please refer to these numbers when parts or warranty communication is necessary.

Warranty Manufacture

The Dealer or Distributor understands and agrees the Manufacturer extends only the following Warranty to customers. In the event a Dealer or Distributor extends any additional warranty (such as by enlarging the scope or period of warranty or undertaking a warranty of merchantability or fitness for any particular purpose) or any other obligation whatsoever, the Dealer or Distributor shall: (1) be solely responsible therefore; (2) have no recourse against the Manufacturer thereof; and (3) defend, indemnify, and hold the Manufacturer harmless against any claim or cause of action whatsoever arising out of, or occasioned by, the Dealer's or Distributor's extension of said additional warranty or obligation.

Certificate of General Equipment Warranty

Balzer Inc. warrants new Products sold by it to be free from defects in material and/or workmanship for a period of one (1) year after the date of delivery to the first user and is subject to the following conditions:

1. Balzer Inc.'s obligation and liability under this Warranty is expressly limited to repairing or replacing at Balzer Inc.'s option any parts which, upon inspection by Balzer Inc., to have been defective in material or workmanship. Such parts shall be provided at no cost to the user and shall be delivered to the business establishment of the authorized Balzer Inc. dealer or distributor of the Product during that dealer's or distributor's regular working hours.
2. This Warranty shall NOT apply to component parts or accessories of Products not manufactured by Balzer Inc. and which carry the warranty of the manufacturer thereof, or to normal maintenance (such as tune-up) or normal maintenance parts (such as oil filters).
3. Replacement or repair parts installed in this Product covered by this Warranty are warranted only for the remainder of this Warranty if such parts replaced were original components of said Product.

Certificate of General Equipment Warranty (Continued)

BALZER INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

Balzer Inc.'s obligation under this Warranty shall not include any transportation charges, cost of installation, duty taxes, or any other charges whatsoever, or any liability for direct, indirect, incidental, or consequential damage or delay. If requested by Balzer Inc., products or parts for which a warranty claim is made are to be returned transportation prepaid to Balzer Inc. This Warranty shall become void under, but not limited to, any of the following conditions: any improper use, including operation after discovery of defective or worn parts, operation beyond rated capacity, or operation for a use other than this Product's intended design; substitution of parts not approved by Balzer Inc.; or modifications or repairs by others that are done in a manner as determined by the judgment of Balzer Inc. to have adversely affected the material or workmanship of this Product.

NO EMPLOYEE OR REPRESENTATIVE IS AUTHORIZED TO CHANGE THIS WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY UNLESS SUCH CHANGE IS MADE IN WRITING AND SIGNED BY AN OFFICER OF BALZER INC. AT ITS HOME OFFICE.

Liability for Delays

No liability shall attach to Manufacturer direct or indirect for incidental or consequential damages or expenses due to loss, damage, detention of, or delay in delivery of Products resulting from acts or delays beyond its control.

Contact Information

Telephone Numbers

Toll-Free: (800) 795-8551
(800) 727-3133
Outside North America: (507) 427-3133
Fax: (507) 427-3640

Mailing/Shipping

Balzer Inc.
County Road 27 East
PO Box 458
Mountain Lake, MN 56159

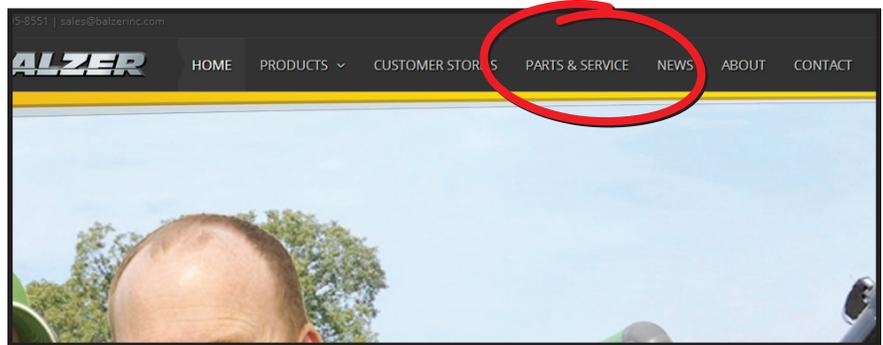
Website

www.balzerinc.com

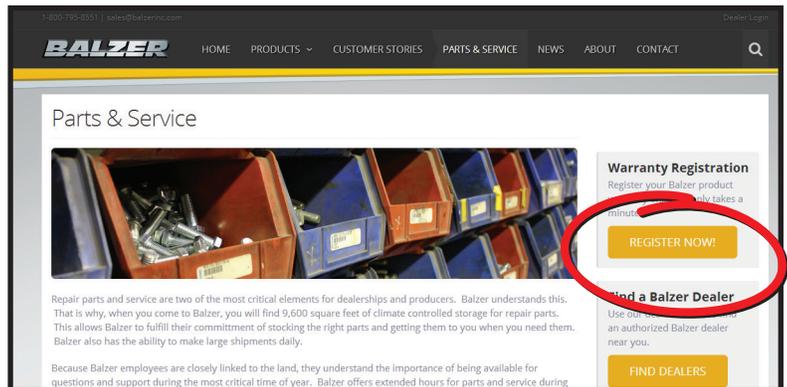
Warranty Registration

As of June 1, 2014, all warranty registration must be completed online to be valid. Registering online is fast and easy. If you are viewing this manual on a device connected to the Internet, click here: **REGISTER NOW!**

Go to the Balzer website at www.balzerinc.com and click on "Parts and Service".



Then, on the right side of the website, click on the "Register Now" button under "Warranty Registration".



Complete the online form and click "Submit".

Warranty Registration

Thank you for your recent purchase. Complete the following form to register your product warranty. **Warranty is not valid unless this form is completed.

Product:

Model Number: Serial Number:

Purchase Date: (MM/DD/YYYY)

Customer Name:

Customer Phone: (XXX-XXX-XXXX) Customer Email:

Customer Address:

Customer City: Customer State: (Select a State) Customer Zip:

Dealer Name:

Dealer Address:

Dealer City: Dealer State: (Select a State) Dealer Zip:

Submit

Balzer Inc. is committed to our customers and their privacy. Balzer Inc. will only use the information you give us to provide prompt warranty claims and services to you. Balzer Inc. uses appropriate safeguards which reasonably and appropriately protect the information that Balzer Inc. creates, receives, maintains, or transmits on behalf of our customers. Any personally identifiable information obtained will not be sold, rented, shared, or made available to third parties.

The logo for BALZER is rendered in a bold, italicized, sans-serif font. The letters are black with a white outline and a grey drop shadow, giving it a three-dimensional appearance. It is positioned at the top of the page, partially overlapping a green and white diagonal graphic element.

BALZER

Safety

The following Safety Alert Symbols mean **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** They stress an attitude of “**HEADS UP FOR SAFETY**” and can be found throughout this manual and on the equipment itself.

BEFORE YOU ATTEMPT TO OPERATE, MAINTAIN, OR SERVICE THIS EQUIPMENT, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES, WORKS WITH, OR OTHERWISE USES THIS EQUIPMENT IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

Our company **ALWAYS** takes operator safety into consideration when designing its machinery, guards, and exposed moving parts for operator protection. However, some areas can **NOT** be guarded or shielded in order to assure proper operation. In addition to this manual, decals on the machine warn of further danger and should be read and observed closely.

READ and **FOLLOW** the instructions on all decals.

REMEMBER it is the owner’s responsibility for communicating all information on the safe use and proper maintenance of this machine! This includes providing understandable interpretation of these instructions for operators who are not fluent in reading or understanding English.

	DANGER	DANGER indicates an imminently hazardous situation which if not avoided will result in serious injury or death or irreparable damage to the machine.
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	WARNING	WARNING indicates a potentially hazardous situation which if not avoided may result in serious injury or death or moderate to severe damage to the machine.
--	----------------	--

	CAUTION	CAUTION indicates a potentially hazardous situation which if not avoided may result in minor to moderate injury or minor to moderate damage to the machine.
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Mandatory Safety Shutdown Procedure

BEFORE cleaning, adjusting, lubricating, or servicing this equipment:

1. Remove the ignition key from the power unit engine.
2. Make sure ALL movement throughout this equipment has ceased! **ONLY** when you have taken these precautions can you be sure it is safe to proceed. Failure to follow the above procedure may lead to serious injury or death.
3. Properly attach the jack to this equipment and raise up to transfer weight to the jack.
4. Keep the hitch pin attached and use wheel chocks or other blocking on wheels/tracks on both sides of the unit to help prevent this equipment from moving.
5. If needing to work under this equipment, place support items, such as jack stands with a sufficient weight rating, under the axle or frame to support the machine. A device or machine used to lift this unit should **NOT** be used as a support device.
6. Disconnect the PTO shaft from the power unit.

	DANGER	DO NOT work under any part of this machine without proper support devices placed between the ground and the axles. Block the wheels to keep the machine from rolling.
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Additional Safety Reminders

USER/OPERATOR SAFETY PRACTICES are included in this manual and are intended to promote **SAFE OPERATION** of this equipment.

These guidelines do not preclude the use of good judgment, care, and common sense as may be indicated by the particular job site work conditions.

It is essential that all operators be physically and mentally free of any mind altering drugs and chemicals and thoroughly trained in the safe operation of this equipment. Such training should be presented completely to all new operators and **NOT** condensed for those claiming previous experience.

FOR ILLUSTRATION PURPOSES ONLY some photographs and images in this manual may show doors, guards, and shields open or removed. **BE SURE** all doors, guards, and shields are in their proper operating positions **BEFORE** operating this equipment. **NEVER** operate this equipment with any guards or shields damaged or not in place. **REPLACE** any damaged or missing guards and shields.

KEEP HANDS AND FEET AWAY FROM ALL MOVING PARTS!

The operator **MUST** know the capabilities and work applications for this equipment and operate it at speeds slow enough to ensure complete control at all times. When working on uneven ground or near the edge of roadbeds there is no substitute for good judgment and only operators with sufficient experience should attempt such work.

NEVER assume everyone is as safety conscious as you are.

Personal Safety

NEVER allow minors and/or any unqualified personnel to operate or be near this equipment unless properly supervised.

NEVER allow anyone to ride on this equipment at any time.

NEVER leave this equipment running unattended.

NEVER wear loose or torn clothing while working around moving parts.

NEVER step on the PTO drive shaft at any time.

ALWAYS wear appropriate personal safety equipment and gear as called for by the job or working conditions.

ALWAYS be aware of pinch point areas on this equipment.

ALWAYS keep hands, feet, hair, and clothing away from moving parts.

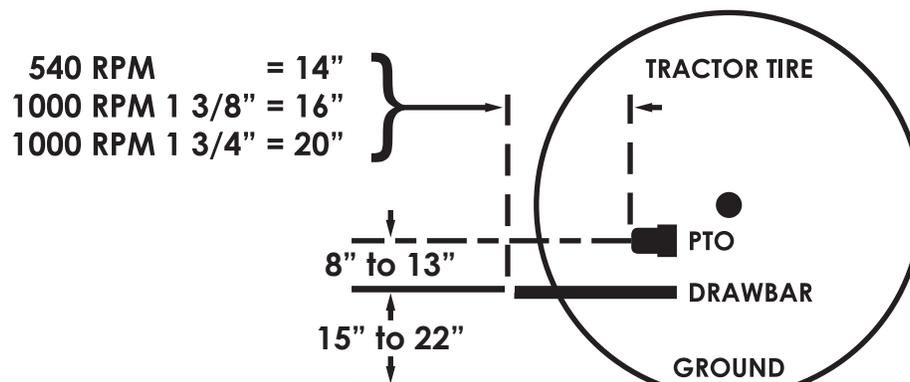
ALWAYS stop and disengage the PTO and shut off the tractor before doing any adjusting or servicing to this equipment.

Attaching to Tractor

Make sure all safety shields are in place and properly secured.

Make sure all moving components are free of solid, hard, or frozen material or other obstructions.

Make sure the tractor drawbar matches the standards shown in the Drawbar Adjustment diagram below.



Suggested drawbar adjustments for PTO shaft size and speed.

Attaching to Tractor (Continued)

Attach the tractor's drawbar to the hitch using a properly sized hitch pin. The hitch pin should have a safety retainer to keep it from dislodging itself from the hitch.

Attach the safety chain to the drawbar of the tractor. Attaching the safety chain to a point higher than the drawbar can lead to a potential rollover causing serious injury or death.

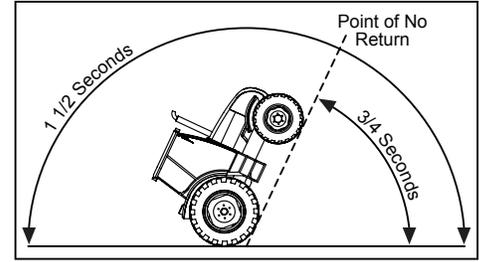
Crank the trailer jack down to slowly place pressure on the drawbar. After the weight has been transferred to the tractor's drawbar and is no longer being supported by the jack, remove the jack and secure it in its storage location.

Check the tractor's Power Take Off (PTO) for any damage, that it slides freely, and is the proper size and connection for the PTO shaft on the tank.

Attach the PTO shaft to the tractor securely as required by its locking mechanism. The PTO should have approximately 1/3 overlap.

Attach the hydraulic lines making sure the connectors are clean and in good repair. Connect according to the hydraulic hose color and striping pattern listed in the Hydraulic Hose Color Markings section on the previous page.

Connect the 7-Way electrical connector.



DANGER

Attaching the safety chain to any point higher than the drawbar can cause tractor to rollover should this machine become unhitched from the tractor. Tractor rollover can cause serious injury or death!

Towing Safety

THE MAXIMUM SPEED FOR TOWING THIS EQUIPMENT IS 20 MPH.

Observe the recommended maximum road speed limit, local speed limit, or maximum recommended towing speed whichever is the lesser speed.

ALWAYS MOVE THIS EQUIPMENT WITH A FARM TRACTOR ONLY.

Always engage power steering (on equipment with steering capabilities) before turning with a load.

DO NOT DISENGAGE power steering (on equipment with steering capabilities) before the turning process is completed.

Tractor must be heavy and powerful enough and have adequate braking power for the towed load.

STOPPING DISTANCE increases with speed and weight of towed loads and on slopes. Towed loads, with or without brakes, which are too heavy for the tractor or are towed too fast can cause loss of control. Consider the total weight of all equipment and the load.

Use additional caution when towing loads under adverse surface conditions (ice, mud, loose gravel, etc.), turning, or slopes.

DO NOT ATTACH safety chain to any point higher than the drawbar.

Operation Safety

Never operate this machine if shields are missing, damaged, or improperly installed or if persons are in or on this machine or near any moving parts of this machine. Keep everyone away while operating this machine.

Do not leave the tractor seat.

Operate **ALL** hydraulic controls to become familiar with the function of each tractor lever and to visually see the machine is responding correctly. **NOTE: MAKE MENTAL AND/OR WRITTEN NOTES CONCERNING WHICH WAY TO MOVE THE LEVERS FOR THE DESIRED RESULTS.**

ENGAGE THE PTO SLOWLY with the tractor throttle at slow idle. Use maximum modulation on tractor PTO control.

Watch and listen to confirm the machine is operating properly. Run at fast idle for five (5) minutes, disengage the PTO, shut off the tractor engine, and remove the key from the ignition. Make all necessary adjustments before any further operation of this machine is attempted.

Operational Safety (Continued)

Before each tow check the electrical connection, tail lights, brake lights, and turn signals. Damaged lights or improper electrical connection between the tractor and this equipment will result in inoperable lights and/or inoperable electric brakes.

Do not operate on public roads after dark without warning lights. Be alert and avoid loose, soft, or icy surface conditions which could cause tipping or loss of control.

Be sure the rear of this equipment has a visible and clean "Slow Moving Vehicle" emblem properly displayed. If towing at speeds less than 20 MPH on any public roadway at night, proper warning and running lights are necessary as required by state law! **MAXIMUM TOWING SPEED IS 20 MPH.**

DO NOT pull this equipment without having safety chains securing this equipment to the tractor. Refer to local transportation laws for regulation on safety chain use.

The tractor must be of sufficient size to maintain vehicle stability when this equipment is fully loaded. Never use a tractor that is not recommended for this equipment's application.

ALWAYS use a hitch pin which has a safety clip pin!

If this equipment includes a braking system, check oil level and braking capacity with a full load before operating or moving this equipment.

Check the wheel lug bolts and lug nuts daily and tighten as needed.

Replace any parts showing signs of excessive wear, cracking, or likelihood of failure with original equipment service parts.

Be familiar with all valves, doors, gates, and hydraulic controls.

BEFORE USE make sure this equipment does **NOT** have any foreign objects or materials which can cause equipment damage or personal injury.

NEVER ENTER THIS EQUIPMENT UNLESS ABSOLUTELY NECESSARY! If entry is necessary, take proper safety precautions to include but not limited to:

- Additional person on site and on the outside near the point of entry
- Safety harness and ropes where appropriate or required by law
- Proper life support system where appropriate or required by law
- Mechanical and electrical power disconnected
- Contacting your Balzer dealer for more information before entering

Check that the PTO slides freely, is not damaged, and is properly secured to the tractor and this equipment. Make sure there is approximately 1/3 overlap of engagement.

When possible, travel straight up or down a slope. Avoid traveling along side of hills, ditches, or other sloped surfaces. Slow down prior to going down any steep grade. Never take tractor out of gear when going up or down a hill.

Always check the job site for hazardous terrain, obstructions, or bystanders.

Do not exceed the maximum weight carrying capacity of the equipment or the tractor manufacturer's maximum towing capacity, whichever is the lesser weight. If you have any questions, contact your Balzer dealer.

When agitating a pit, always make sure there is adequate ventilation in any confined area.

Do not stand in front, behind, or along side this equipment when it is in operation or in motion.

When parking this equipment, securely block the wheels before unhitching from the tractor.

Overhead Safety

If this unit is equipped with a feature which can extend upward and/or outward away from the unit, before operating, check surrounding area, including above the unit, for any electrical power sources or lines. Electrocutation can result if unit comes into contact with electrical power sources.



DANGER

ELECTROCUTION can result if unit comes into contact with electrical power sources or lines. Check overhead and surrounding areas to make sure unit is clear of any possible electrical source contact.

Overhead Safety (Continued)

Before moving this unit, make sure the extended feature is properly resting in its saddle. Moving this unit with the feature extended can result in damage to the unit, other equipment, or buildings. It could also create an unbalanced load which could lead to the unit rolling onto its side.

Hydraulic System Safety

DO NOT smoke when working on hydraulic systems.

NEVER use your hand to search for hydraulic fluid leaks. Escaping fluid under pressure can be invisible and can penetrate the skin causing serious injury and other health hazards. Escaping fluid can also be extremely hot causing severe burns.

Use a scrap piece of cardboard to check for leaks.

IF ANY FLUID IS INJECTED INTO YOUR SKIN, SEEK MEDICAL ATTENTION IMMEDIATELY! Notify medical staff that there is an injection injury with hydraulic fluid. Injected fluid must be surgically removed by a doctor familiar with this type of injury or gangrene may result.



WARNING

Hydraulic and brake lines are under high pressure when tractor is running. Hydraulic fluids can become hot enough to cause serious burns. Use proper safety equipment when checking lines.

DO NOT attempt to loosen or disconnect any lines, hoses, or fittings without first relieving hydraulic circuit pressure. Be careful not to touch any hydraulic components recently in operation because they can be extremely hot.

ALWAYS replace hydraulic components with manufacturer recommended replacement parts. Improperly rated components may result in system failure and/or injuries.

Contact your local Balzer dealer to order replacement parts.

PTO Operation Safety

Do not wear loose fitting clothing or have long, free-hanging hair when operating the PTO (Power Take Off) or near ANY rotating equipment.

Never exceed the recommended operating speed (PTO and drive) for the particular equipment in use.

When operating stationary PTO driven equipment, always apply the tractor's parking brake lock and block the rear wheels front and back.

To avoid injury, do not clean, adjust, unclog, or service PTO driven equipment when the tractor engine is running.

When finished with the operation of PTO driven equipment, shift the PTO control to neutral, shut off the engine, remove the key, and wait until the PTO stops before exiting the tractor.

Implement input drivelines, clutches, and freewheels are designed for specific machine types and power requirements. They must not be replaced by any shaft other than that recommended by the implement manufacturer. Note the Operating Instructions from both the tractor manufacturer and the implement manufacturer. Ensure the implement driveline is securely connected at both ends.

Only use a completely guarded drive system. PTO drive systems with complete guarding include: the tractor master shield, the implement driveline guard (end cones, telescoping section sleeves, guard chain), and the implement safety shield. These safety devices must be installed at all times.

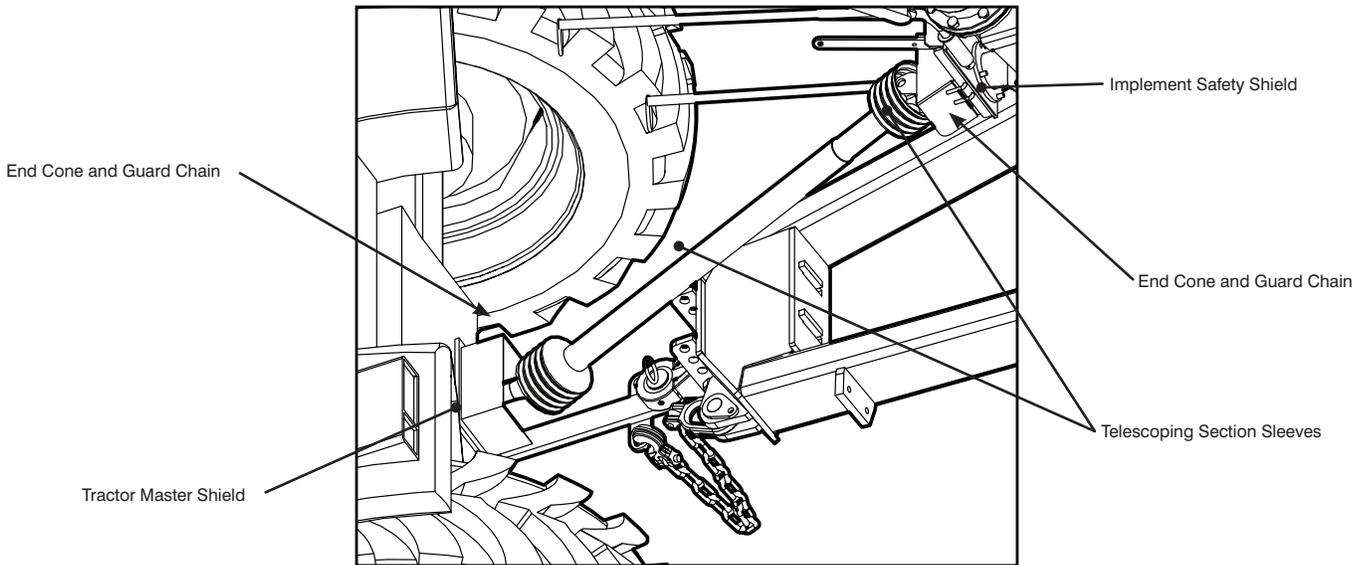
If any component of the guarding system has been removed for any reason, it must be repaired or replaced prior to operation of the machine.



WARNING

PTO mounted drive shafts must only be used for their intended purpose.

PTO Operation Safety (Continued)



DANGER

DO NOT operate PTO without all guards in place and in safe operating condition.

Safety Signs and Decals

Safety signs or decals provide very important information and instructions designed to alert you to dangers and hazards which can be present during operation of this equipment. These safety signs and decals **MUST** be read, understood, and followed to be effective.

Replacement of Safety Signs and Decals

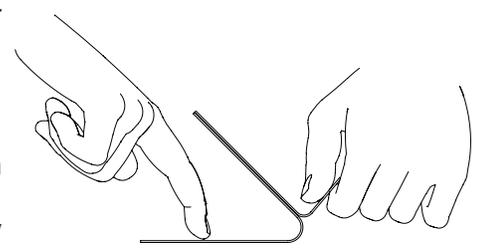
Safety signs and decals must be kept clean and readable. If they become unreadable for any reason, they must be replaced with an identical replacement sign or decal. Safety signs and decals must also be replaced if damaged when repairing this equipment or if not included with the replacement part.

Application of Safety Decals

Surface preparation is very important for the safety decals to properly adhere. Grease, oil, and dirt must be removed and the surface must be smooth and dry. After wiping the surface clean, use an ammonia-free window cleaner to provide the best surface for decal adherence.

Most decals have a split backing which is meant to be removed from the split outward. To apply decals, follow these steps:

1. Position the decal in the proper location and hold firmly over the largest portion of the backing.
2. Use one hand to hold the decal in position. With the other hand, carefully roll the loose end over and peel the backing outward. When the backing is removed as shown in Figure 3 and with even and gradual pulling, the decal will roll onto the surface smooth and wrinkle free,
3. With the smallest portion of the decal attached, the repeat Step 2 for the other half of the decal.



When the decal has been attached in place, use a cloth or soft paper towel to burnish the decal onto the cleaned surface. Work gently from the middle outwards to avoid creating any wrinkles and to remove any air bubbles.



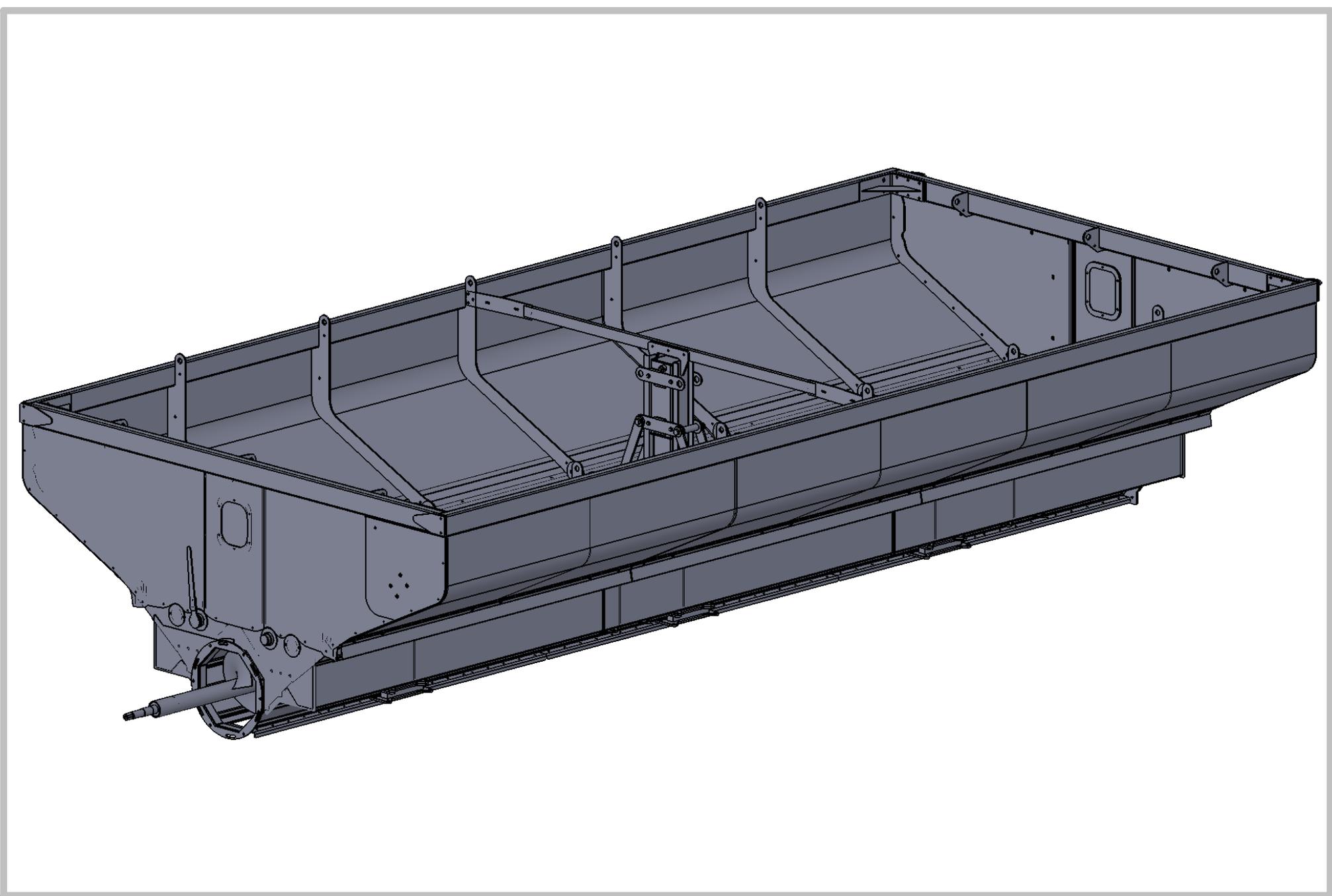
Safety Manual
PUB 710020



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Balzer Incorporated does not assume any liability arising out of the application or use of any product and neither does it convey any license under its patent rights. Balzer Incorporated does not assume any liability arising out of the use of their product for applications outside those for which it is expressly designed for.

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BOX #200003

**BOLT HEXHEAD .62" x 1.50" - UNC 11 GR5
NUT.62 TOP LOCK GR C ZP**

BOLT HEXHEAD .62" x 1.75" - UNC 11 GR5

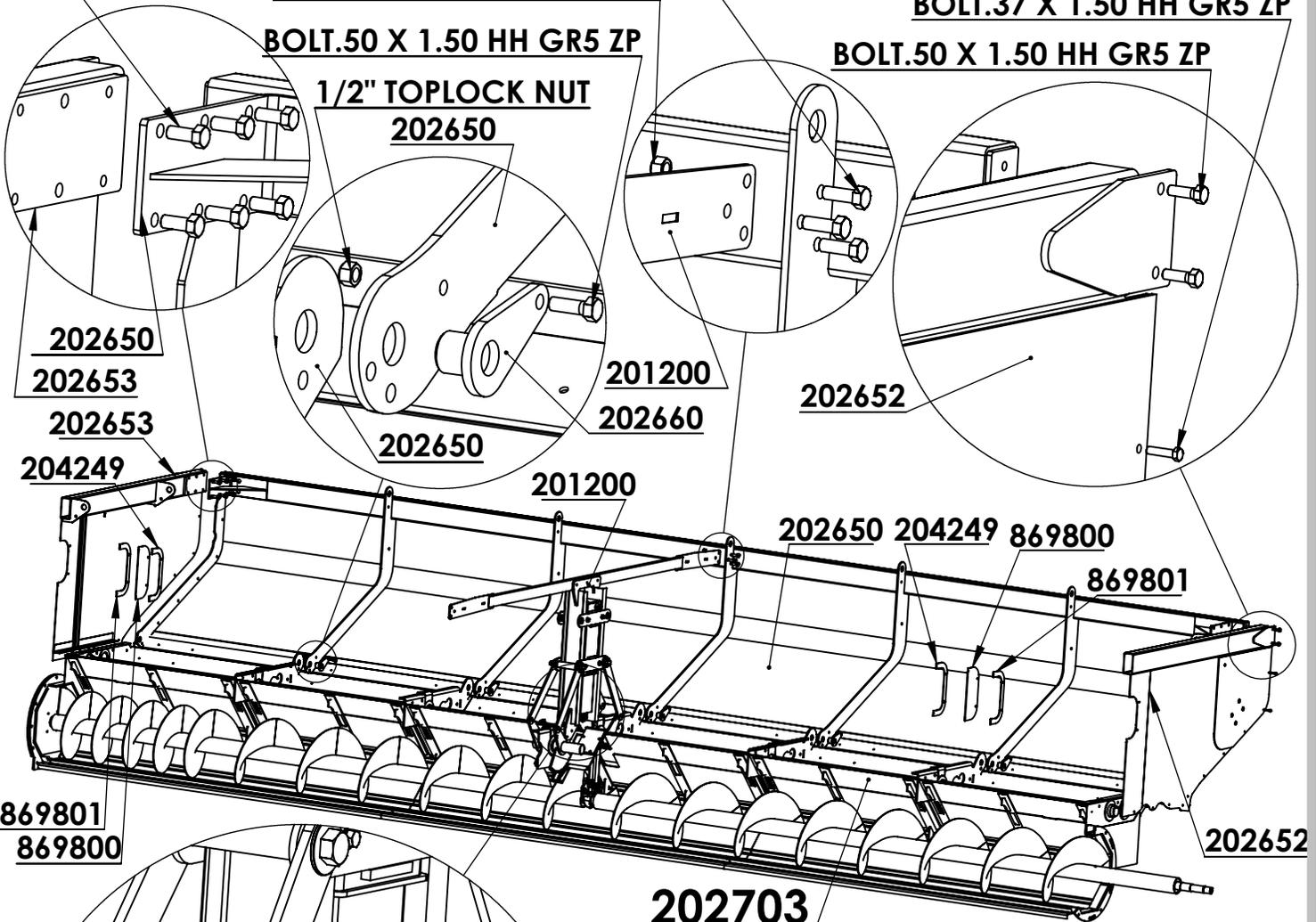
BOLT.50 X 1.50 HH GR5 ZP

BOLT.37 X 1.50 HH GR5 ZP

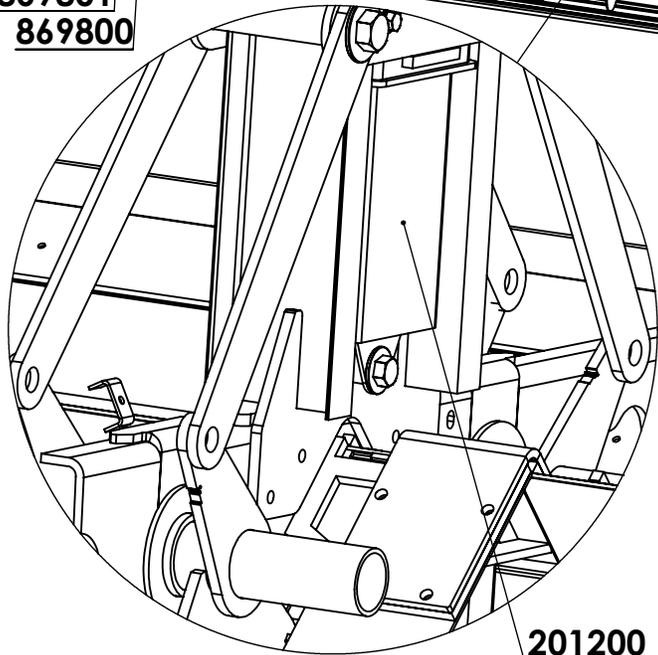
BOLT.50 X 1.50 HH GR5 ZP

1/2" TOPLOCK NUT

202650



**869801
869800**



201200

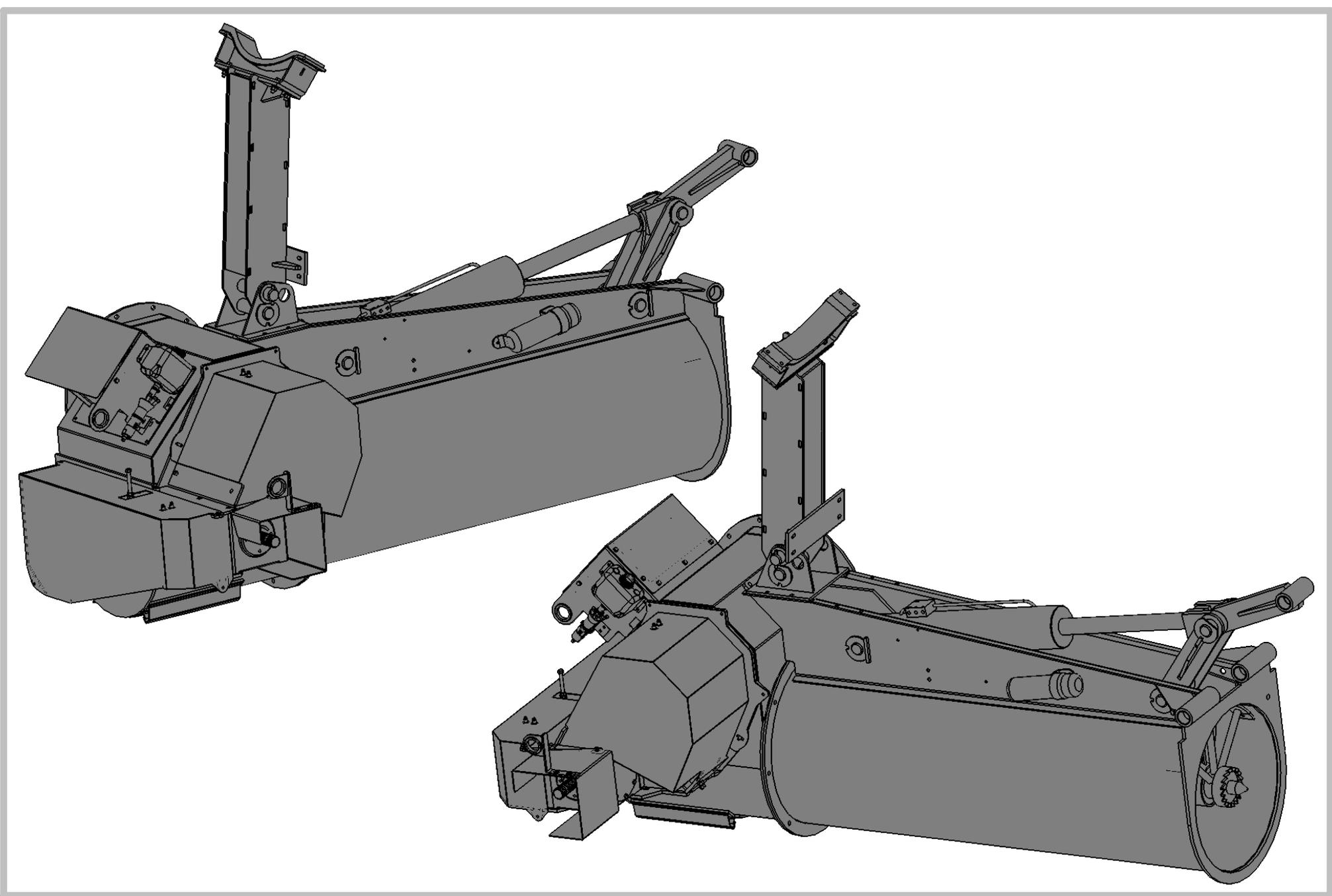
**SEE PAGE
A-FRAME 201200
FOR PART DETAILS**

**202703
SEE PAGE
TROUGH #202703
FOR PART DETAILS**

P/N	QTY	DESCRIPTION
85354	1	LEVER MANUAL DOOR END 1/4" x 17 5/8"
201200	1	A-FRAME 2020
202650	2	SIDE WELDMENT
202652	1	FRONT END PANEL WELDMENT
202653	1	END PANEL WELDMENT REAR
202660	10	PIVOT PIN
202703	1	GRAIN CART 28' FULL CLEANOUT SUB WELD
204249	2	WINDOW FRAME - 13 x15
204320	6	SHIELD -FORMED COVER PLATE 110.25"
213035	6	WEIGH BAR MOUNT ASSEMBLY
869800	2	WINDOW 13" x 15"
869801	2	RUBBER GASKET 13 X 15

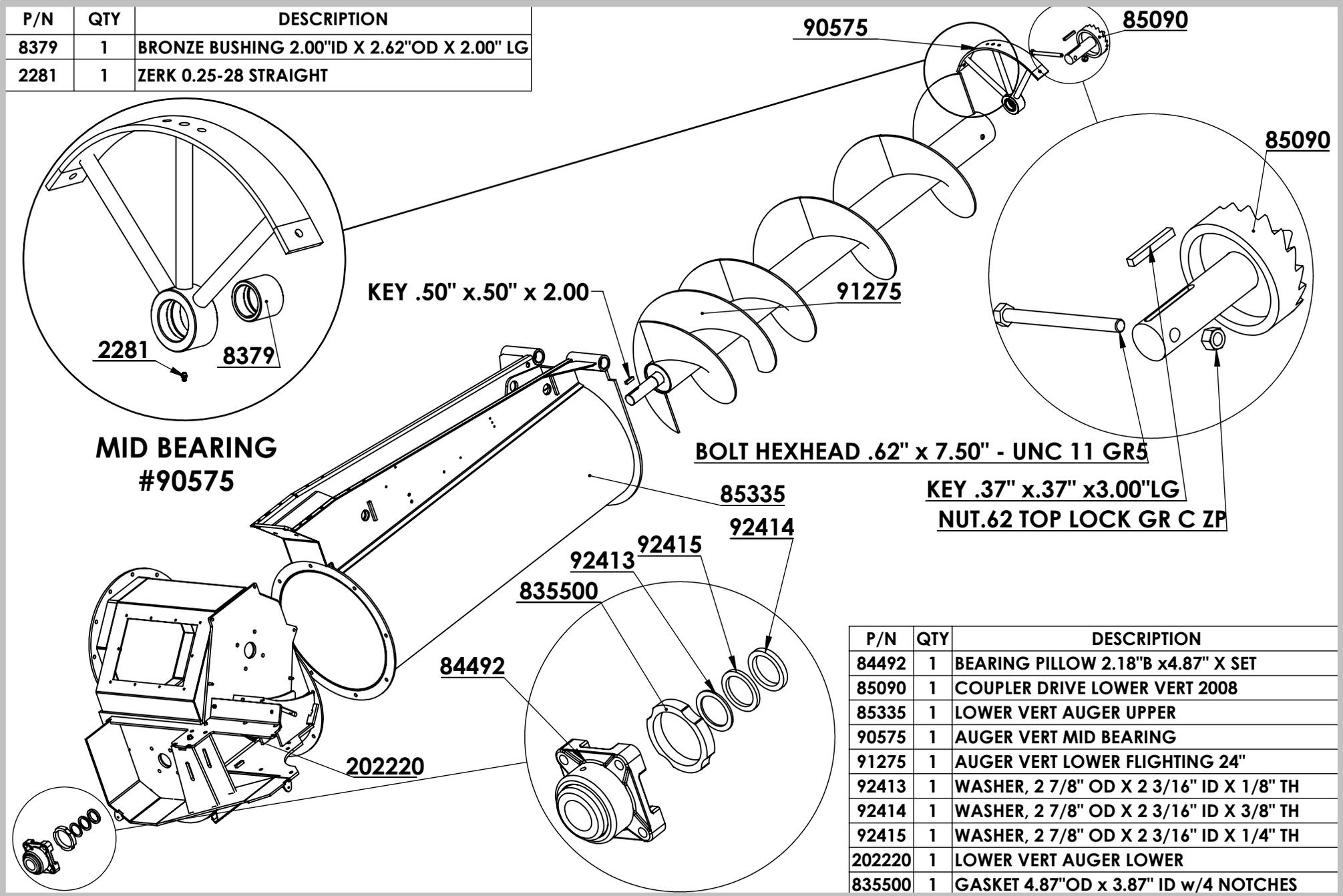


BOX #200003



**LOWER VERTICAL AUGER HOUSING
#201101**

P/N	QTY	DESCRIPTION
8379	1	BRONZE BUSHING 2.00"ID X 2.62"OD X 2.00" LG
2281	1	ZERK 0.25-28 STRAIGHT

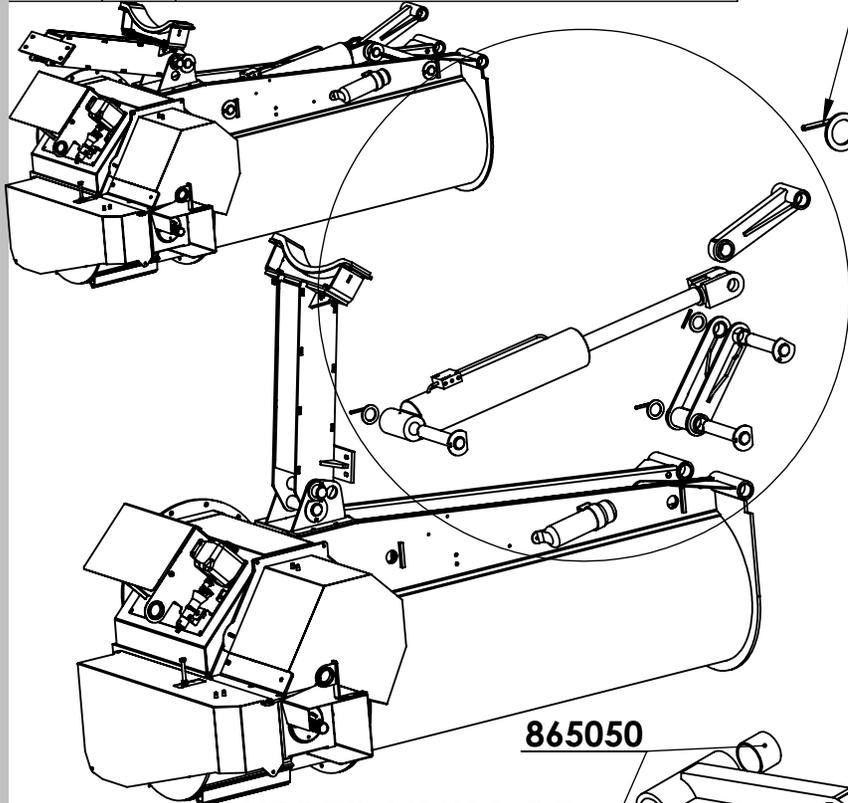


P/N	QTY	DESCRIPTION
84492	1	BEARING PILLOW 2.18\"B x4.87\" X SET
85090	1	COUPLER DRIVE LOWER VERT 2008
85335	1	LOWER VERT AUGER UPPER
90575	1	AUGER VERT MID BEARING
91275	1	AUGER VERT LOWER FLIGHTING 24"
92413	1	WASHER, 2 7/8\" OD X 2 3/16\" ID X 1/8\" TH
92414	1	WASHER, 2 7/8\" OD X 2 3/16\" ID X 3/8\" TH
92415	1	WASHER, 2 7/8\" OD X 2 3/16\" ID X 1/4\" TH
202220	1	LOWER VERT AUGER LOWER
835500	1	GASKET 4.87\"OD x 3.87\" ID w/4 NOTCHES



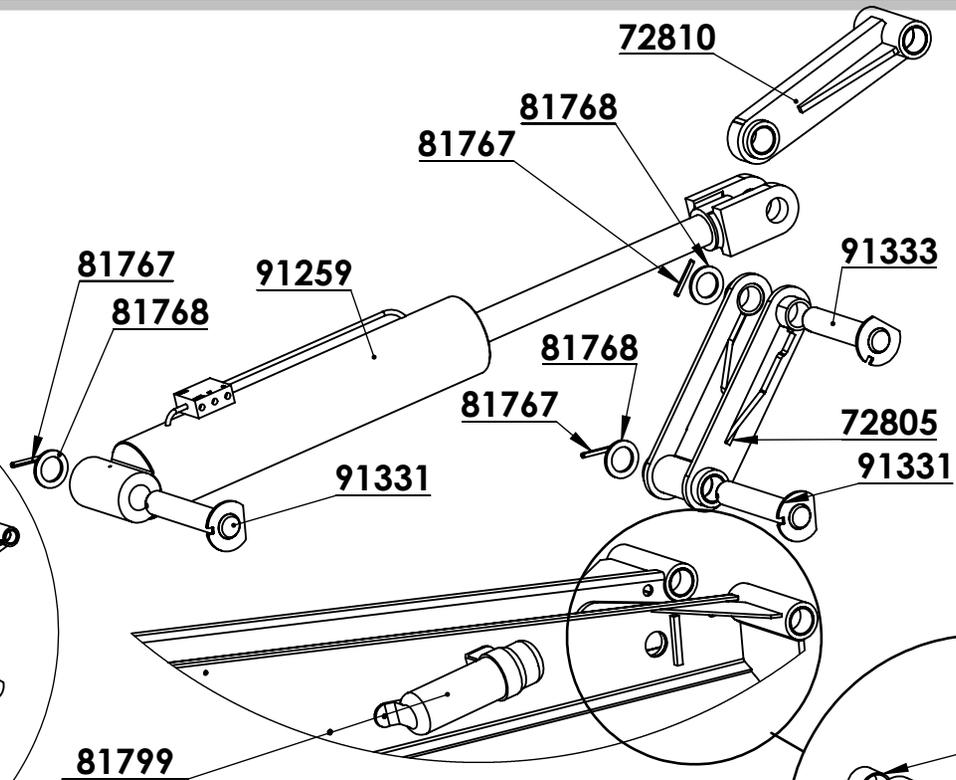
LOWER VERTICAL AUGER HOUSING BASE SUB ASSEMBLY #201101

P/N	QTY	DESCRIPTION
72805	1	LINKAGE ARM LOWER WELD (HYBRED 2010)
72810	1	LINKAGE ARM UPPER PIVOT (HYBRED 2010)
81767	3	SPRING PIN.37 X 3.00 PL
81768	3	WASHER 2.00" ID X 3.00" OD X 0.25"TH
81799	1	OPERATOR'S MANUAL HOLDER
91259	1	HYD CYLINDER 6" X 22"
91331	2	PIN 1.94" DIA x 10.13" WELD
91333	1	PIN WELD 1.94"DIA x 9.13" LG

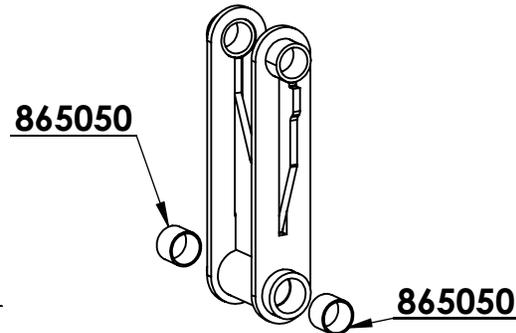


**UPPER LINKAGE
ARM #72810**

P/N	QTY	DESCRIPTION
865050	2	BUSHING, POLYLUBE, 2.00 ID/2.25 OD X 1.68
865051	1	BUSHING POLYGON PWR32M36-40



**LOWER LINKAGE
ARM #72805**



P/N	QTY	DESCRIPTION
865050	2	BUSHING, POLYLUBE, 2.00 ID/2.25 OD X 1.68

P/N	QTY	DESCRIPTION
865050	4	BUSHING, POLYLUBE, 2.00 ID/2.25 OD X 1.68



LOWER VERTICAL AUGER HOUSING SUB ASSEMBLY #201101

BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5 SELFTAPPING

**BOLT ON COVER
#203405**

203401

203404

P/N	QTY	DESCRIPTION
203401	1	COVER VALVE MANIFOLD GRAIN CART 2015
203404	1	COVER VALVE BLOCK BOLT ON WELDMENT

P/N	QTY	DESCRIPTION
19261	2	GROMMET FOR 2.5 HOLE
22430	1	HOSE SUPPORT
81799	1	OPERATOR'S MANUAL HOLDER
90738	1	SHIELD GEARBOX 24' AUGER
202203	1	SHIELD CLUTCH AND CHAIN FRONT
202204	1	SHIELD SIDE CHAIN
203203	1	VALVE BANK AND COVER PLATE WELDMENT
203405	1	COVER BOLT ON COMPLETE
850000	1	HYD VALVE GC COMPLETE W/JOYSTICK AND WIRE HARNESS

**203401
SEE
DETAIL**

850001

90588

204004

204005

19261

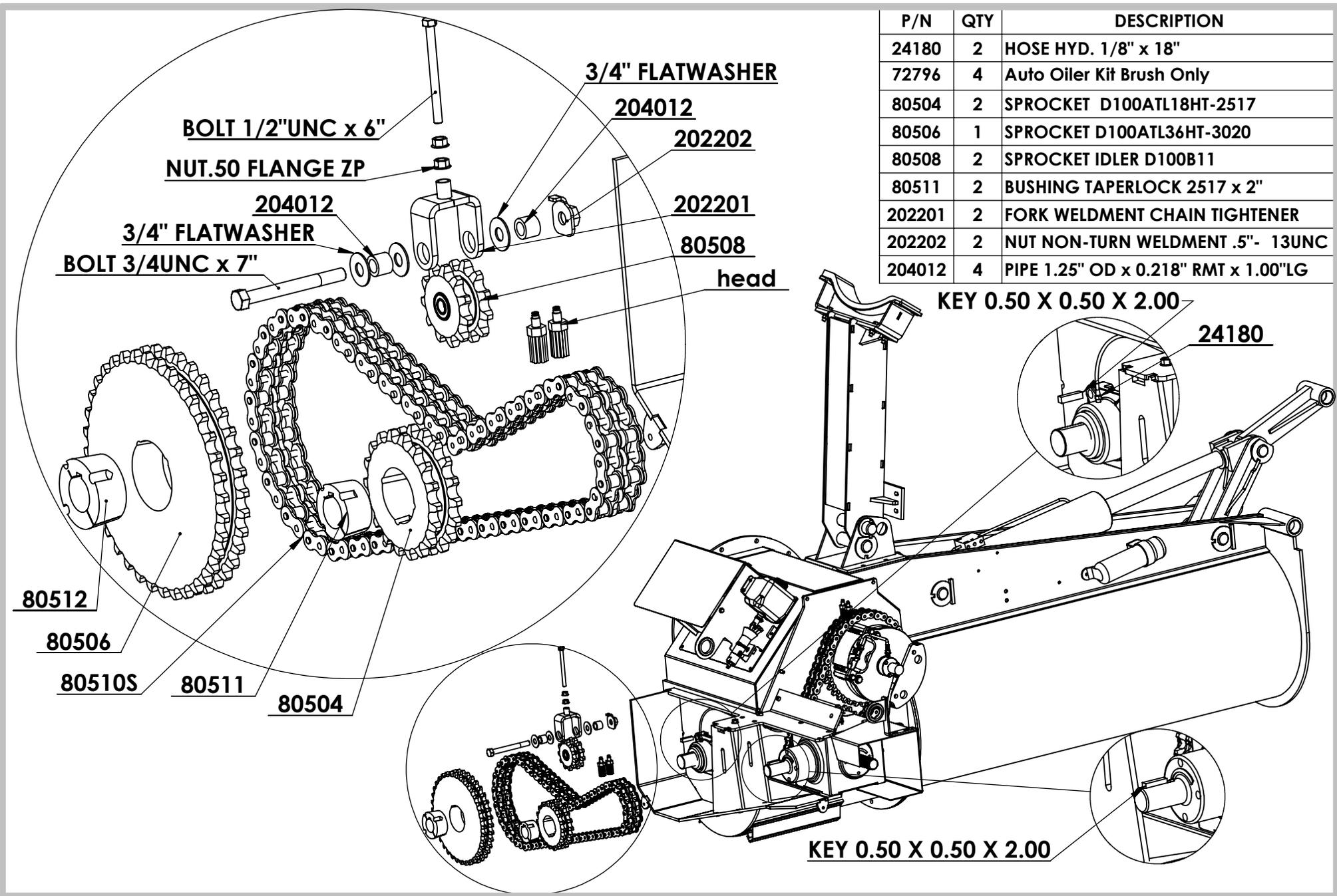
22429

90738

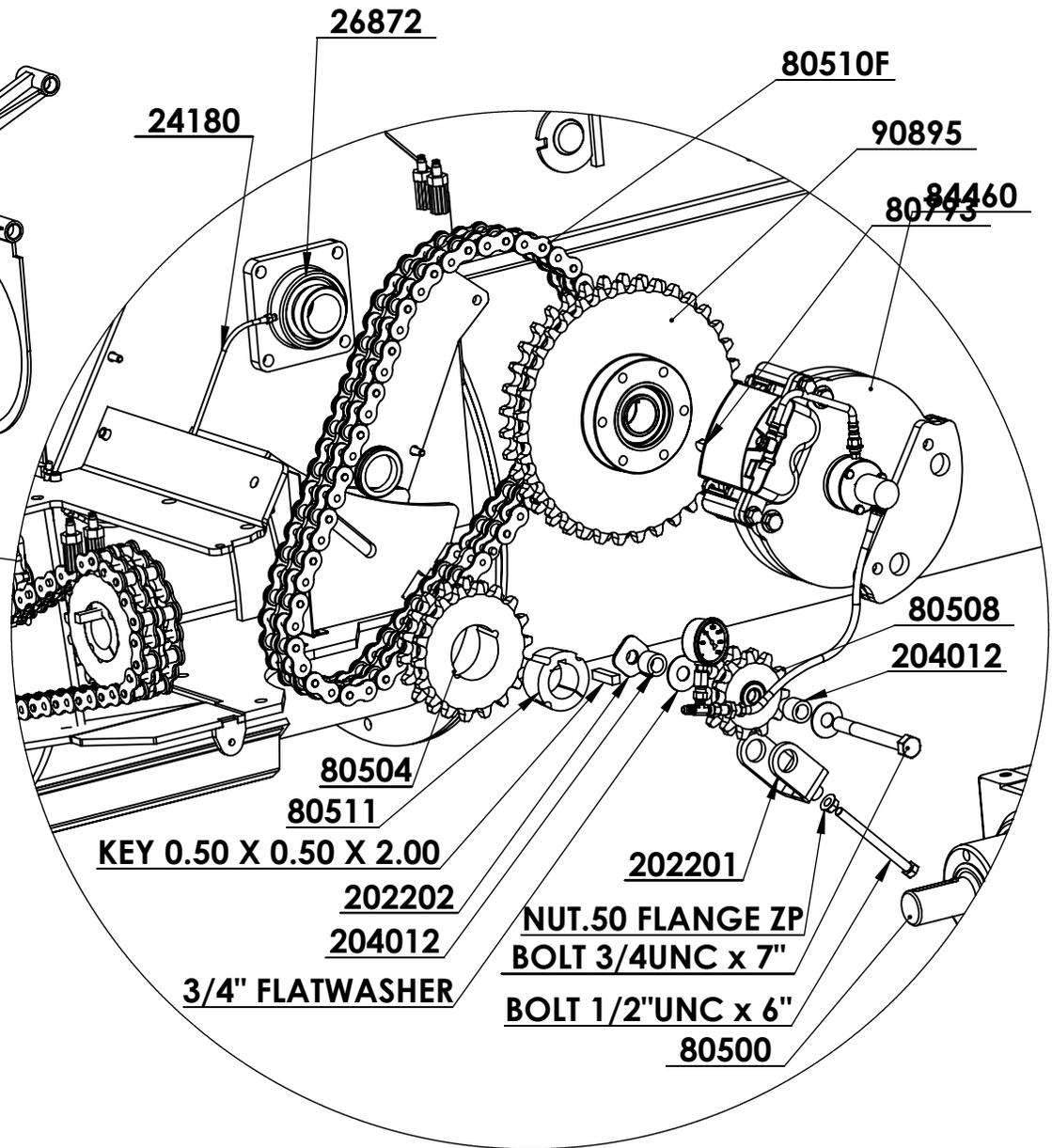
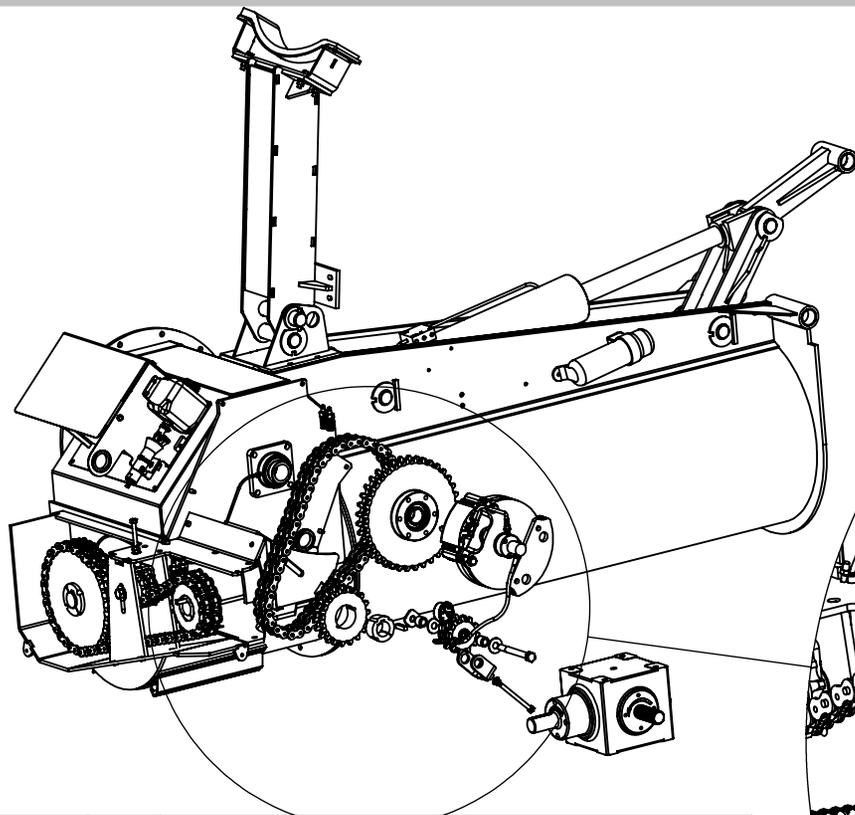
81799



LOWER VERTICAL AUGER HOUSING SHIELDS SUB ASSEMBLY #201101



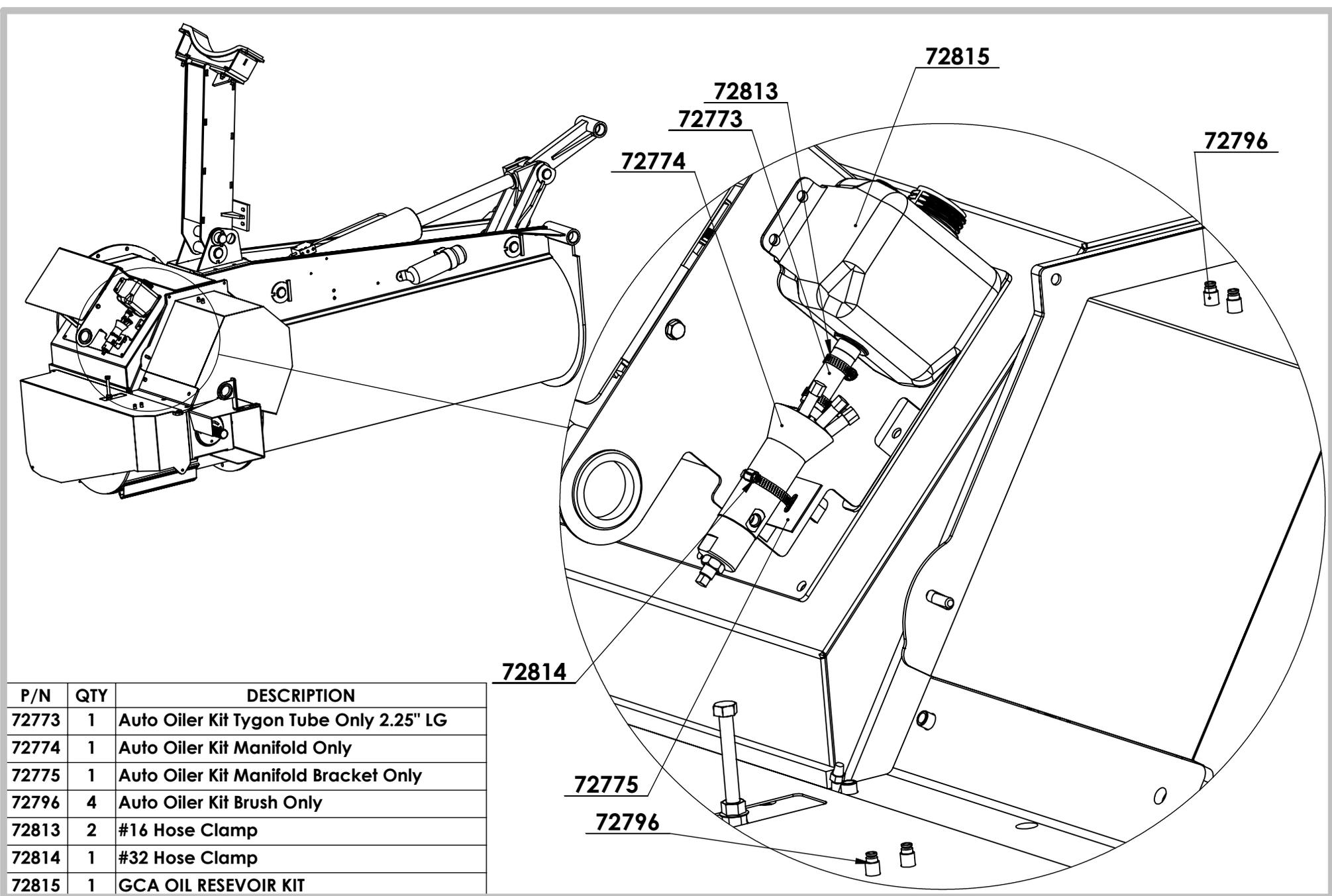
LOWER VERTICAL AUGER HOUSING SUB ASSEMBLY #201101



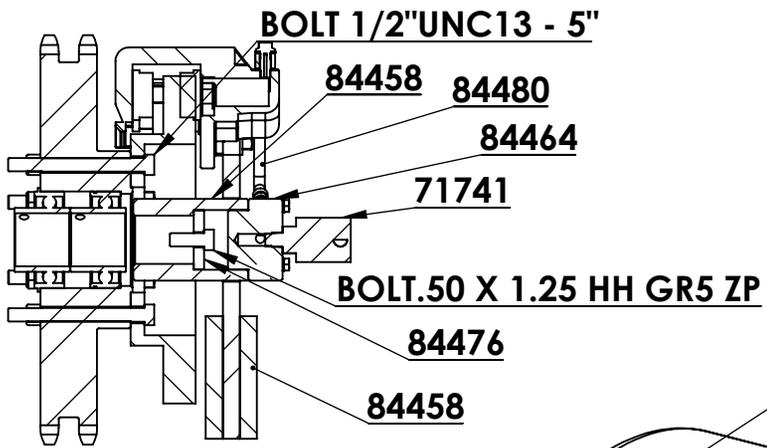
P/N	QTY	DESCRIPTION
24180	2	HOSE HYD. 1/8" x 18"
26872	1	BEARING PILLOW, HORIZONTAL AUGER, REAR
80500	1	GEAR BOX 1.35-1 RATIO
80504	2	SPROCKET D100ATL18HT-2517
80508	2	SPROCKET IDLER D100B11
80511	2	BUSHING TAPERLOCK 2517 x 2"
80793	1	KEY 9 x 14 x 45MM
81768	3	WASHER 2.00" ID X 3.00" OD X 0.25"TH
84460	1	BRAKE CLUTCH SUB ASSY
90895	1	SPROCKET IDLER D100B36HT /BEARING ASBY
202201	2	FORK WELDMENT CHAIN TIGHTENER
202202	2	NUT NON-TURN WELDMENT .5"- 13UNC
204012	4	PIPE 1.25" OD x 0.218" RMT x 1.00"LG



LOWER VERTICAL AUGER HOUSING SUB ASSEMBLY #201101

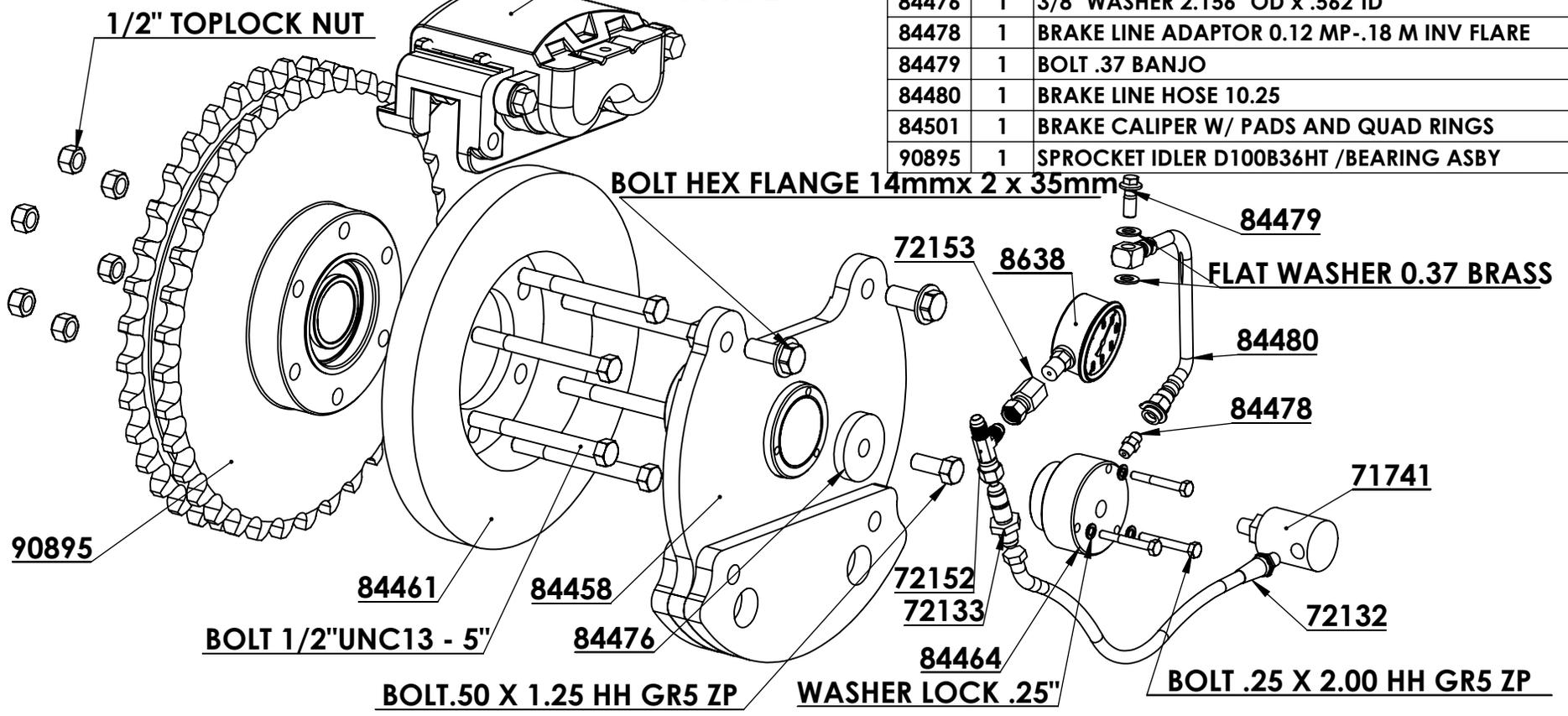


AUTOMATIC OILER #201101



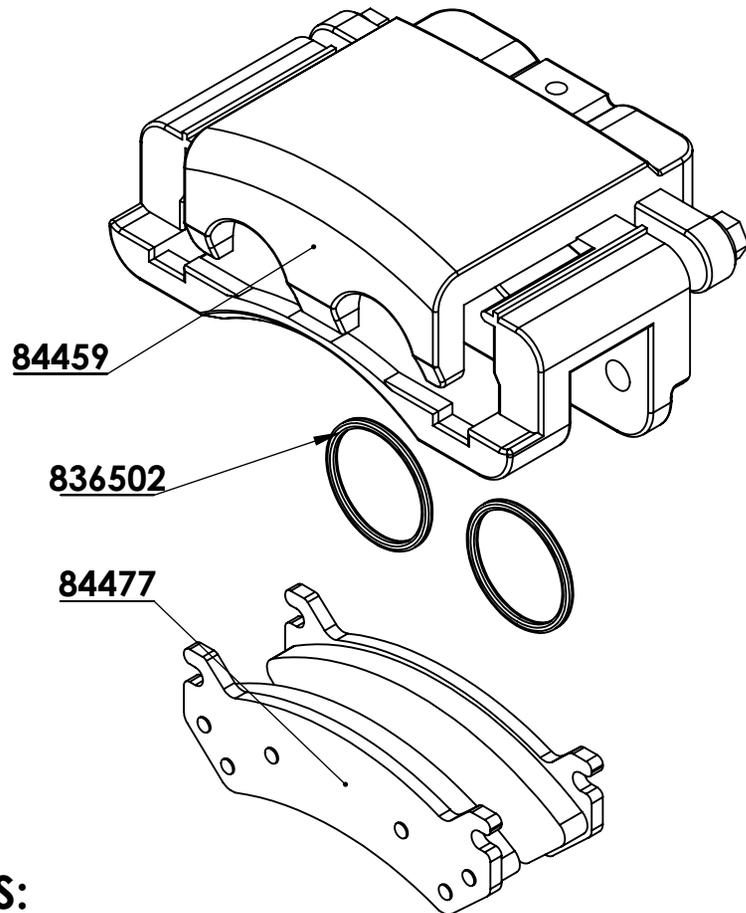
84501
SEE NEXT PAGE

P/N	QTY	DESCRIPTION
8638	1	HG HIGH PRESSURE GAUGE
37090	2	FLAT WASHER 0.37 BRASS
71741	1	HYD ROTATING COUPLER .25" NPT
72132	1	HYD HOSE .25X .25NPTMX .56JICFMS 45DEGX 15"LG
72133	1	HYD BULKHEAD .56JICMX.56JICM (2700-6)
72152	1	HF TEE .56 FJ-.56 MJ-.56 MJ
72153	1	HF ADPT .56FJ-.25FP
72704	2	BOLT HEXHEAD FLANGE 14mm x 2.0 x 35mm GR 10.9
84458	1	GC BRAKE CLUTCH PLATE
84461	1	BRAKE ROTOR MACHINED
84464	1	END CAP, BRAKE CLUTCH
84476	1	3/8" WASHER 2.156" OD x .562"ID
84478	1	BRAKE LINE ADAPTOR 0.12 MP-.18 M INV FLARE
84479	1	BOLT .37 BANJO
84480	1	BRAKE LINE HOSE 10.25
84501	1	BRAKE CALIPER W/ PADS AND QUAD RINGS
90895	1	SPROCKET IDLER D100B36HT /BEARING ASBY

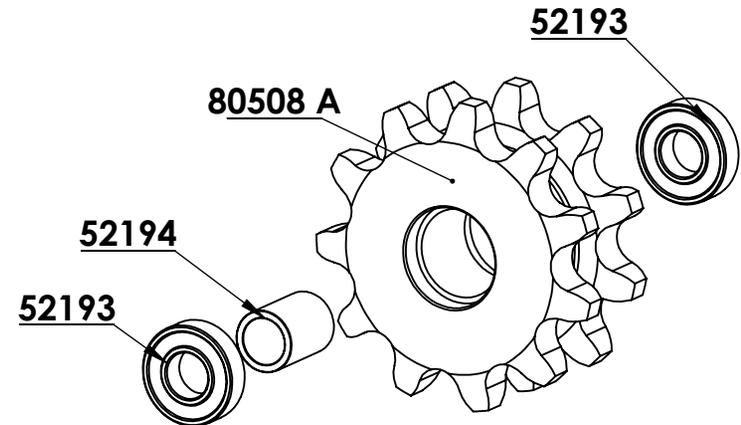


BRAKE CLUTCH SUB ASSEMBLY #84460

**BRAKE CALIPER
#84501 DETAIL**



**IDLER SPROCKET
#80508**



P/N	QTY	DESCRIPTION
52193	2	BEARING ROLLER .75 X 1.62 X .43 (R12-2RS)
52194	1	SPACER 1" OD x 1.35"LONG
80508 A	1	SPROCKET IDLER D100A11HT

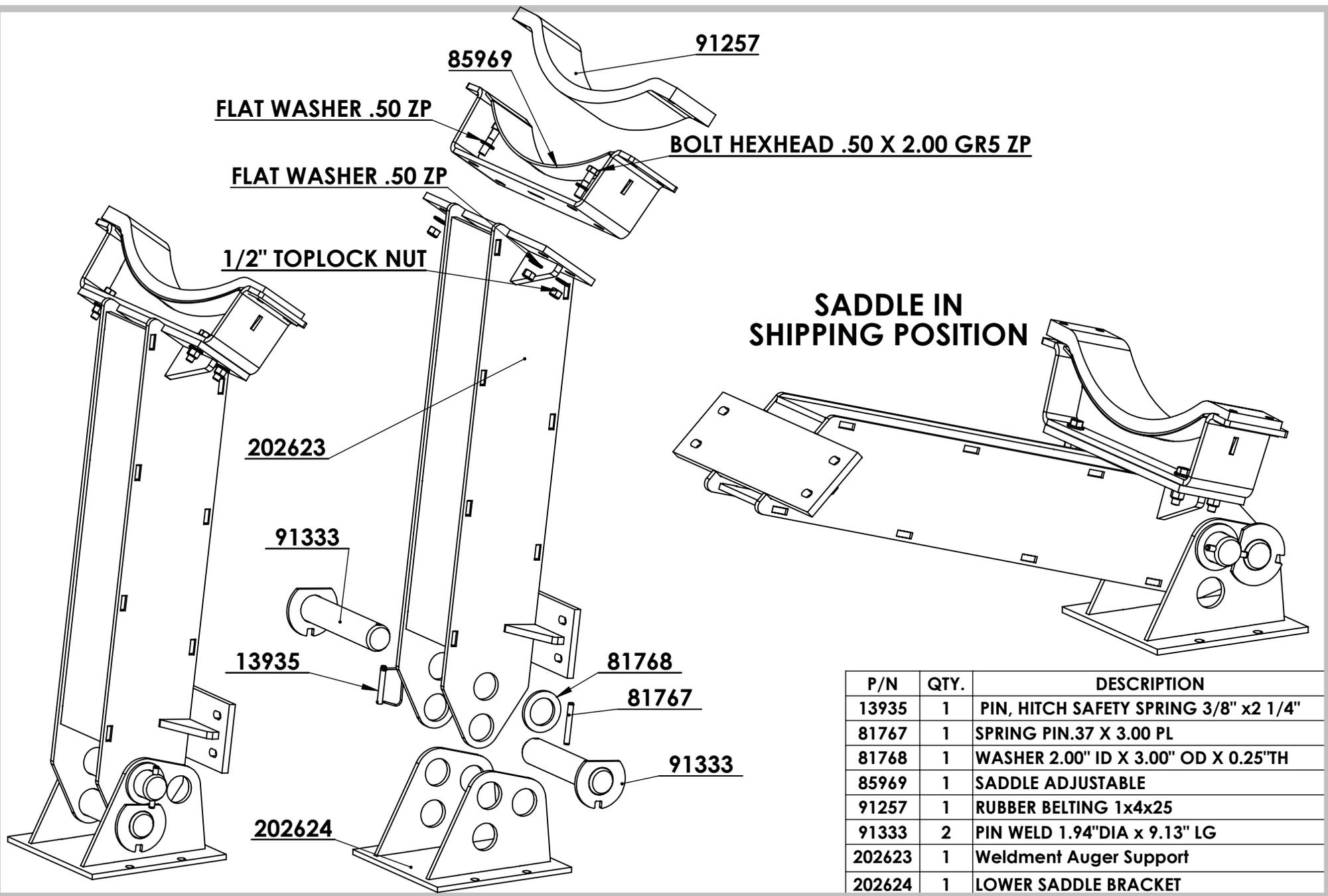
NOTES:

1. REPLACE BRAKE CALIPER O-RINGS WITH QUAD RINGS (836502)

P/N	QTY	DESCRIPTION
84459	1	BRAKE CALIPER
84477	0.5	BRAKE PAD
836502	2	QUAD RING 1.984 ID X 0.139 CS



DETAIL SUB ASSEMBLIES #201101

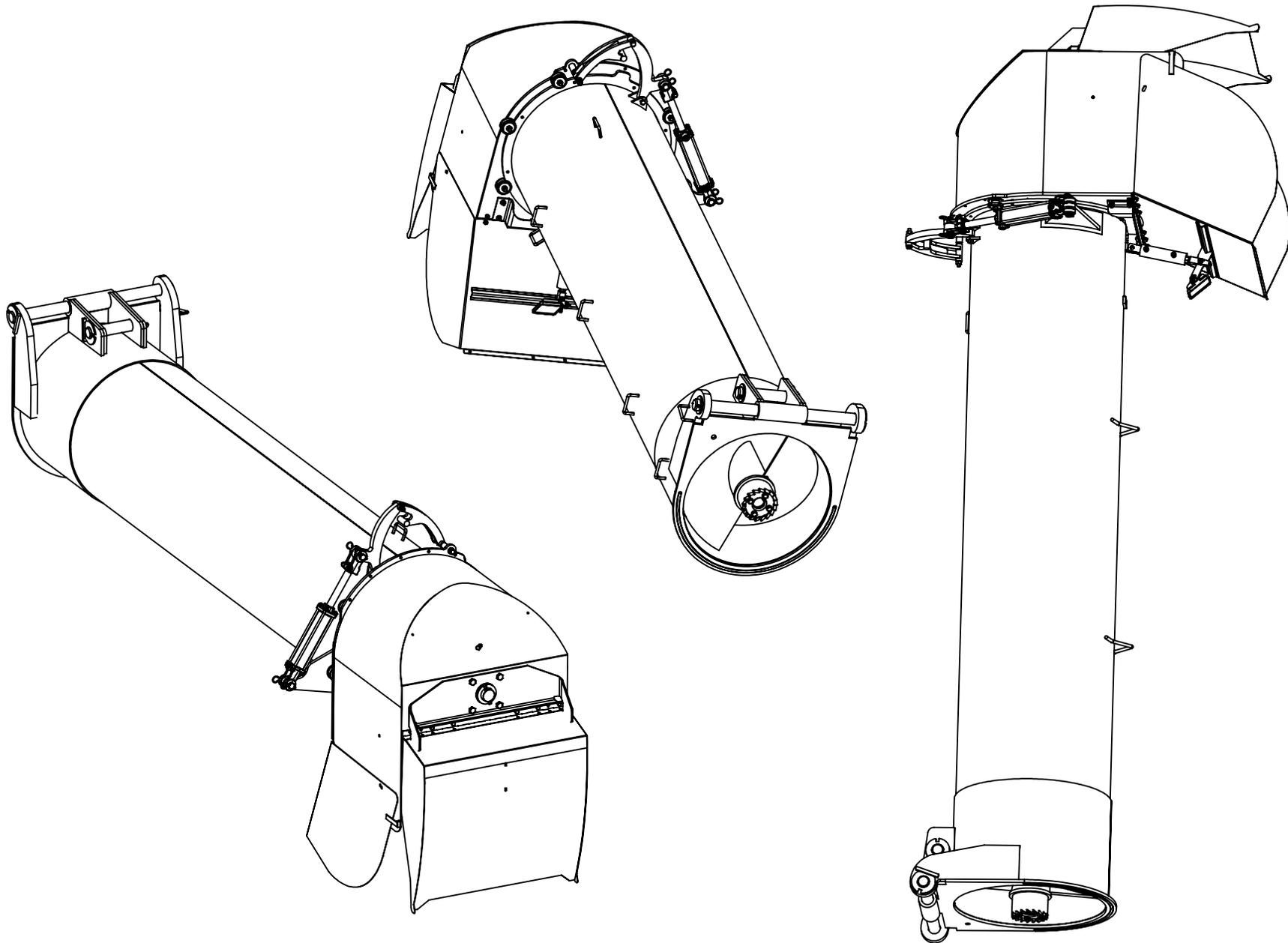


SADDLE IN SHIPPING POSITION

P/N	QTY.	DESCRIPTION
13935	1	PIN, HITCH SAFETY SPRING 3/8" x2 1/4"
81767	1	SPRING PIN.37 X 3.00 PL
81768	1	WASHER 2.00" ID X 3.00" OD X 0.25"TH
85969	1	SADDLE ADJUSTABLE
91257	1	RUBBER BELTING 1x4x25
91333	2	PIN WELD 1.94"DIA x 9.13" LG
202623	1	Weldment Auger Support
202624	1	LOWER SADDLE BRACKET

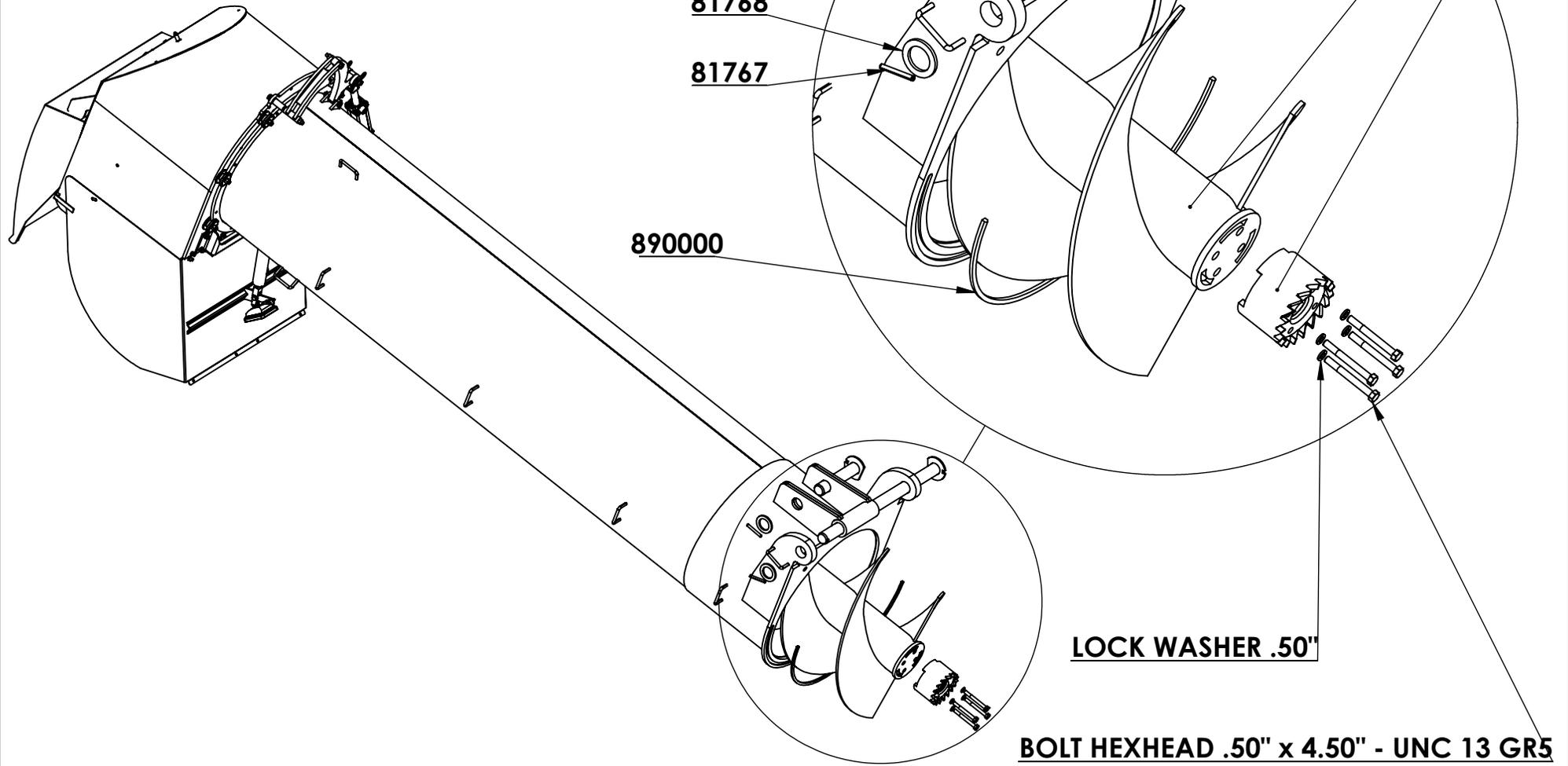


AUGER SADDLE #210308

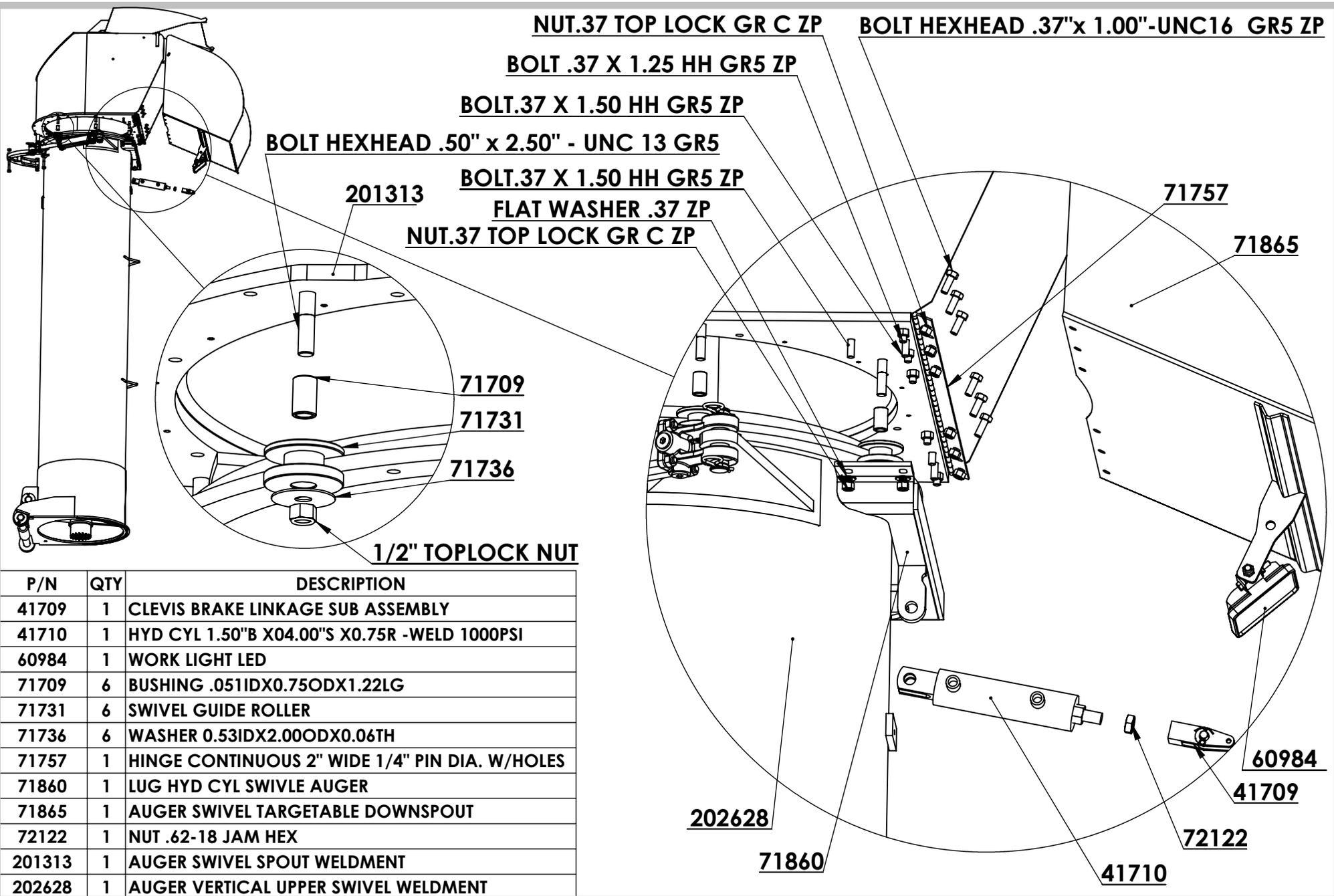


UPPER VERTICAL AUGER HOUSING #202100

P/N	QTY	DESCRIPTION
81767	2	SPRING PIN.37 X 3.00 PL
81768	2	WASHER 2.00" ID X 3.00" OD X 0.25"TH
85095	1	UPPER VERTICAL AUGER COUPLER
91323	1	PIN WELD 1.94" DIA x 29.37"LG
91333	1	PIN WELD 1.94"DIA x 9.13" LG
92427	1	AUGER VERT UPPER 24" FLIGHTING
890000	1	GASKET .37" x .37" ADHESIVE



UPPER VERTICAL AUGER HOUSING #202100



P/N	QTY	DESCRIPTION
41709	1	CLEVIS BRAKE LINKAGE SUB ASSEMBLY
41710	1	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI
60984	1	WORK LIGHT LED
71709	6	BUSHING .051IDX0.75ODX1.22LG
71731	6	SWIVEL GUIDE ROLLER
71736	6	WASHER 0.53IDX2.00ODX0.06TH
71757	1	HINGE CONTINUOUS 2" WIDE 1/4" PIN DIA. W/HOLES
71860	1	LUG HYD CYL SWIVLE AUGER
71865	1	AUGER SWIVEL TARGETABLE DOWNSPOUT
72122	1	NUT .62-18 JAM HEX
201313	1	AUGER SWIVEL SPOUT WELDMENT
202628	1	AUGER VERTICAL UPPER SWIVEL WELDMENT



UPPPER VERTICAL AUGER HOUSING #202100

BOLT HEXHEAD .50" x 3.00" - UNC 13 GR5

ZERK .12 NPT STRAIGHT

92427

90598

12333

24178

201313

1/2" TOPLOCK NUT

204121

201313

202628

202612

E

71740

16240

BOLT HEXHEAD .37"x 1.00"-UNC16 GR5 ZP

BOLT HEXHEAD .62" x 6.50" - UNC 11 GR5

ROLL PIN .50" x 3.50" LG

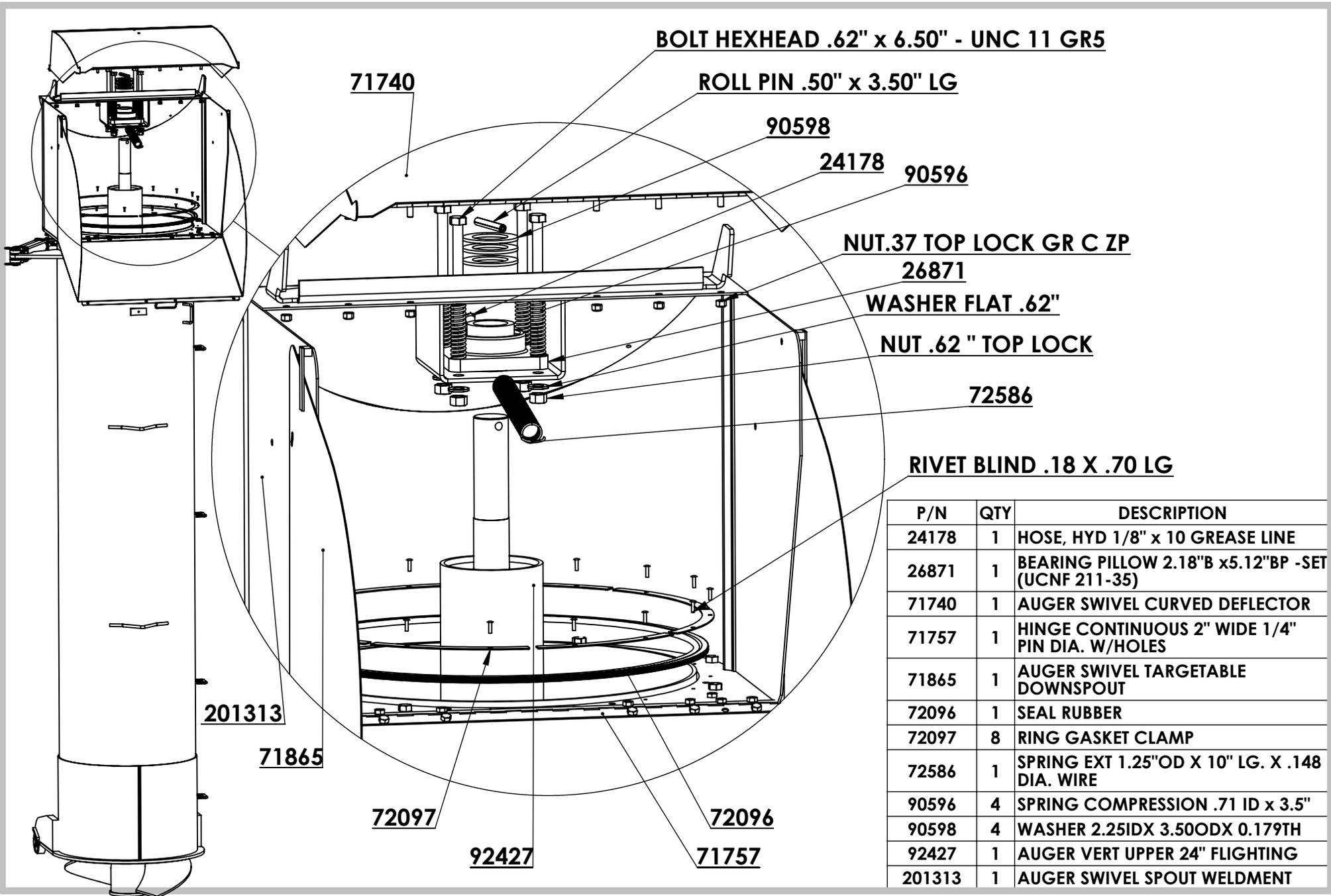
201313

BOLT HEXHEAD .50" x 7.00" - UNC 13 GR5

P/N	QTY	DESCRIPTION
12333	1	COUPLER PIPE 1/8" NPT
16240	1	HC 2.00 x 8.00 3000 PSI TIE ROD
24178	1	HOSE, HYD 1/8" x 10 GREASE LINE
71740	1	AUGER SWIVEL CURVED DEFLECTOR
90598	4	WASHER 2.25IDX 3.50ODX 0.179TH
92427	1	AUGER VERT UPPER 24" FLIGHTING
201313	1	AUGER SWIVEL SPOUT WELDMENT
202612	1	AUGER LINKAGE LOWER
202628	1	AUGER VERTICAL UPPER SWIVEL WELDMENT
204121	1	AUGER LINKAGE UPPER

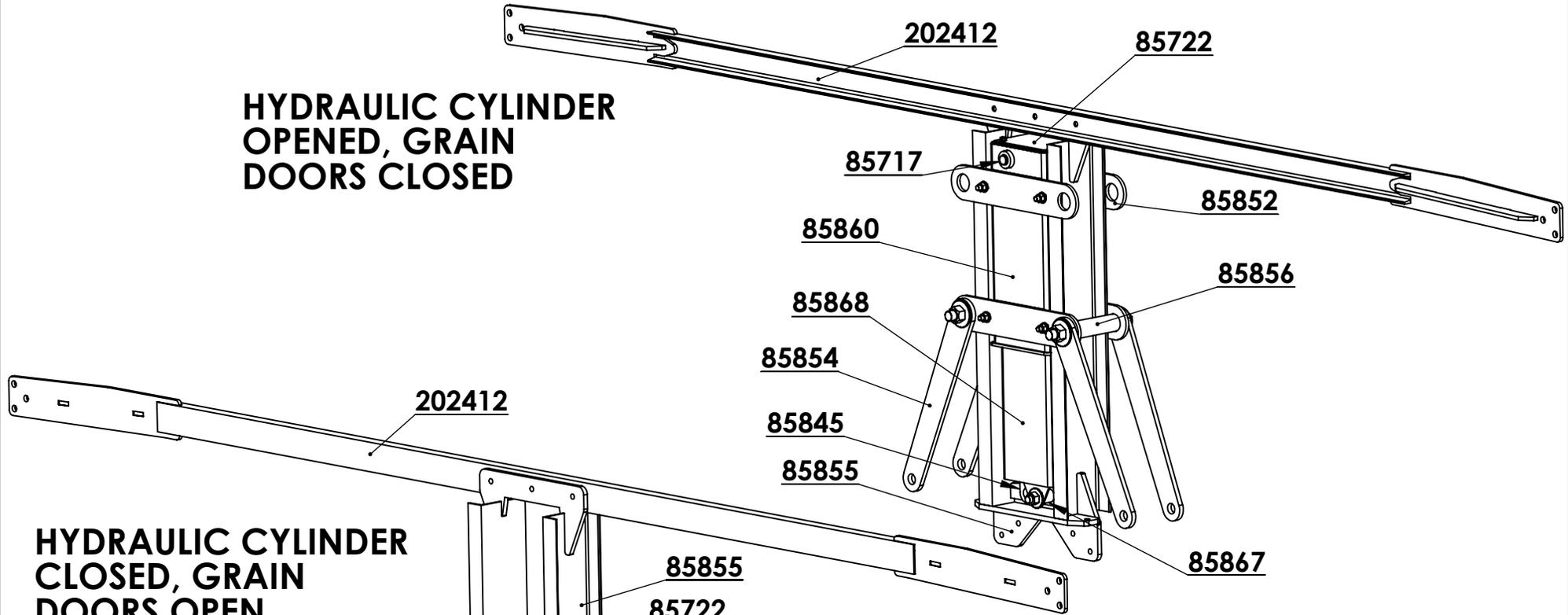


UPPER VERTICAL AUGER HOUSING #202100

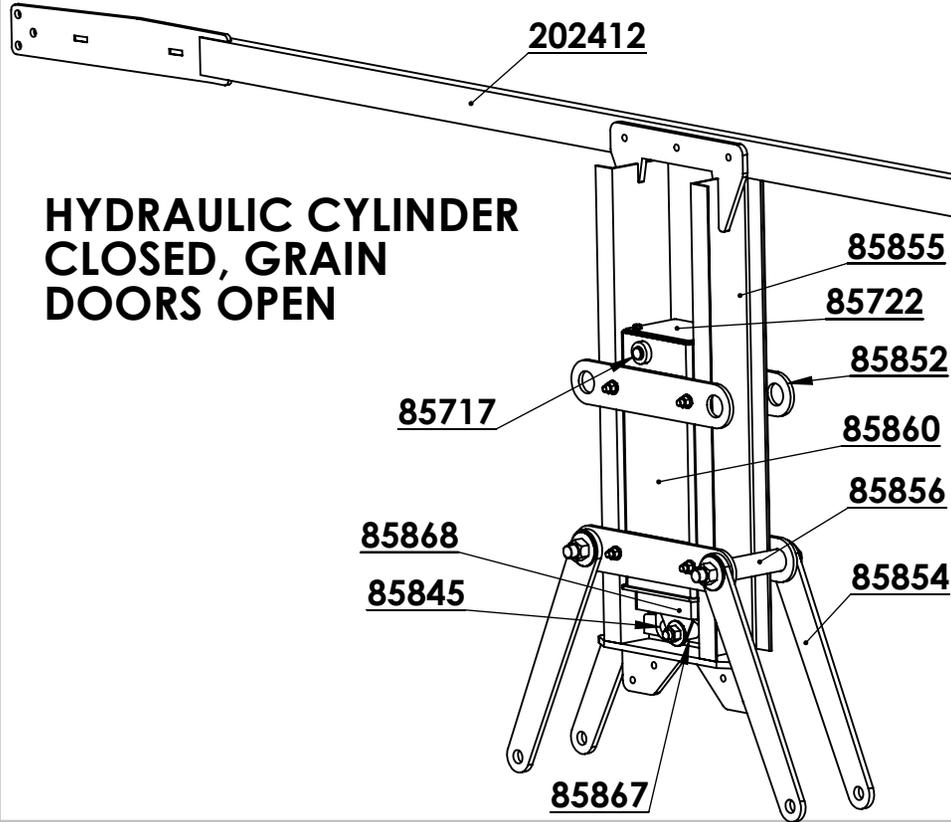


UPPER VERTICAL AUGER HOUSING #202100

**HYDRAULIC CYLINDER
OPENED, GRAIN
DOORS CLOSED**



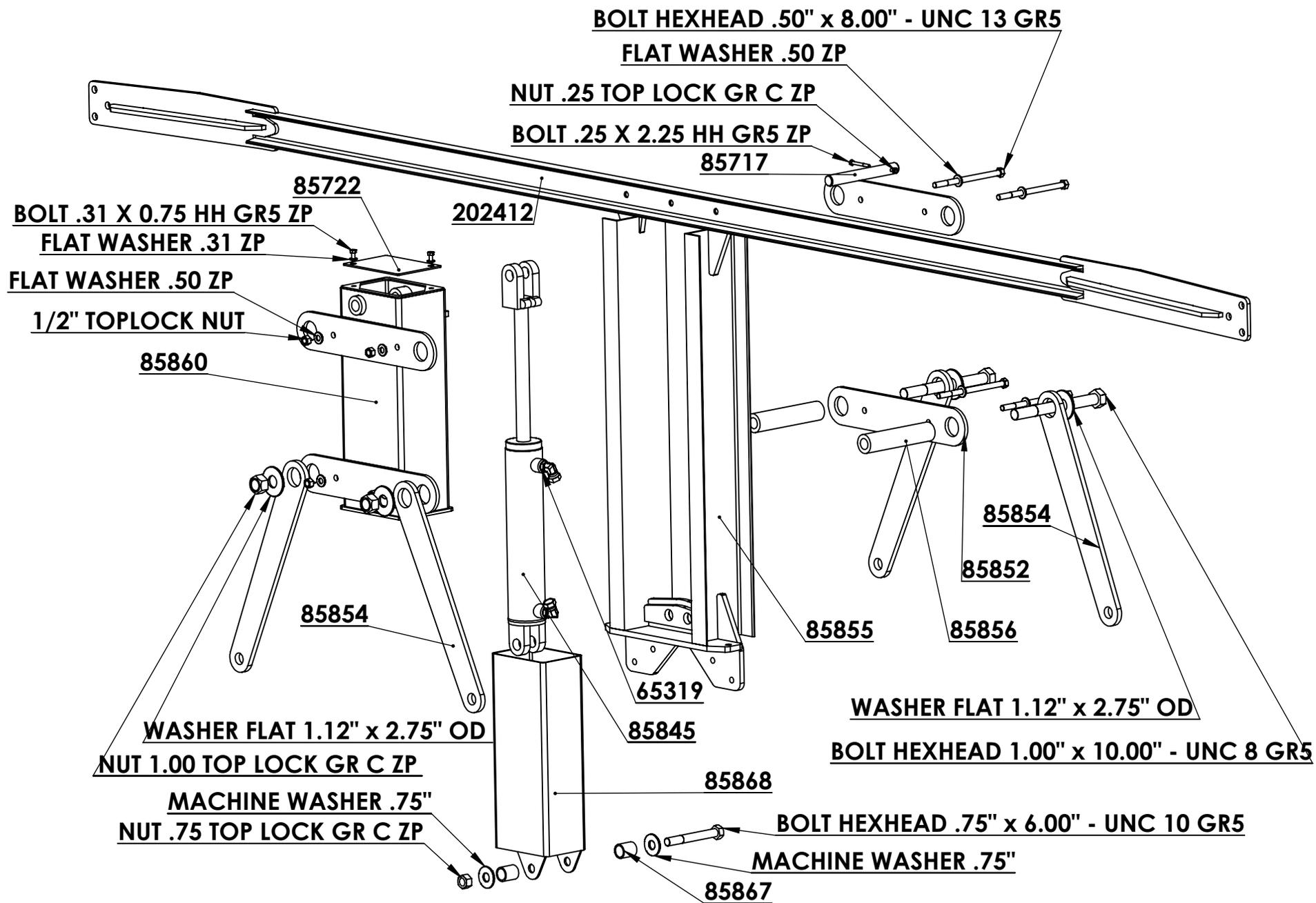
**HYDRAULIC CYLINDER
CLOSED, GRAIN
DOORS OPEN**



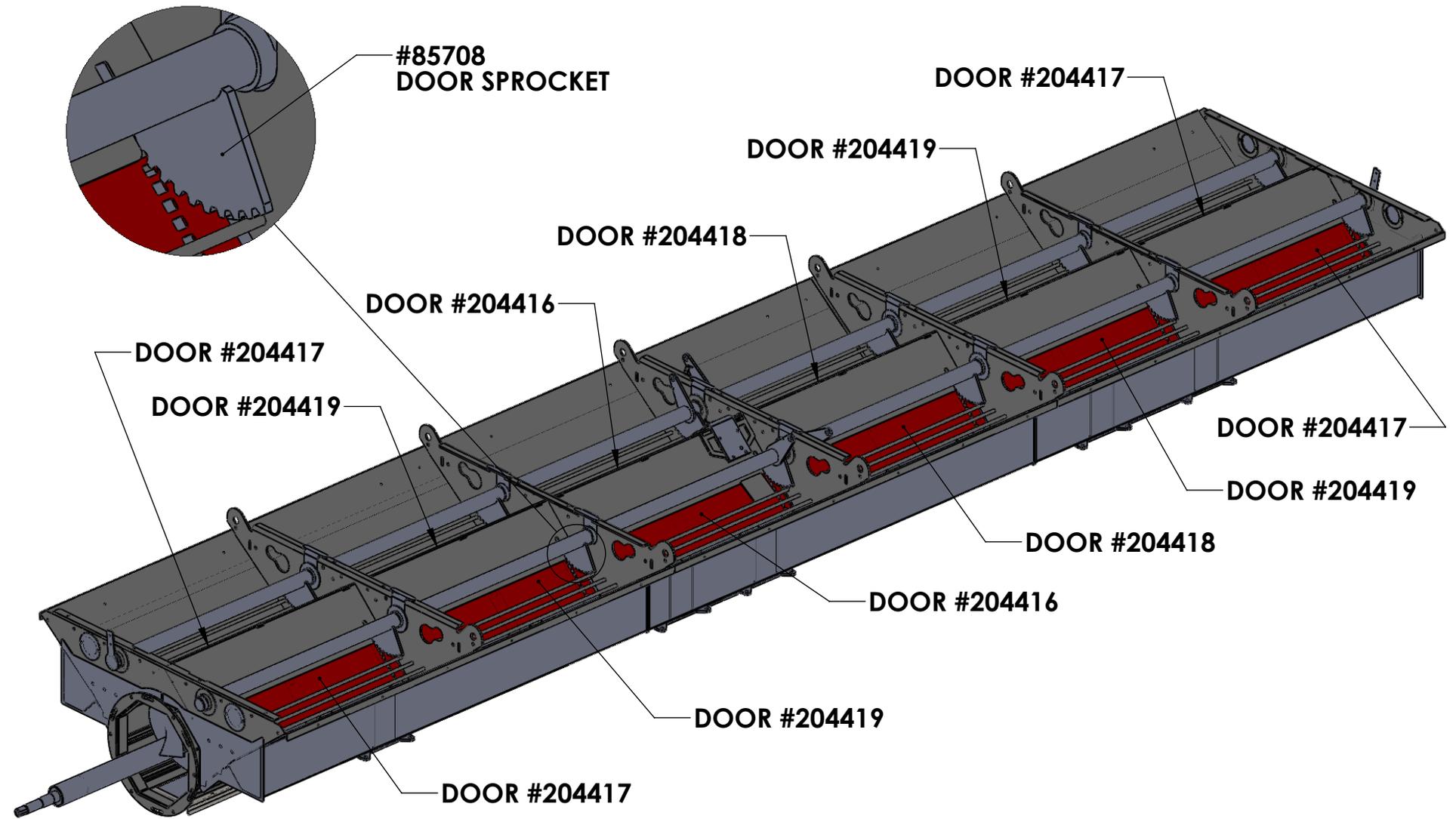
P/N	QTY	DESCRIPTION
65319	2	HYD ELBOW .75 ORMX.50FS 90 (6901-8-8)
85717	1	PIN 1.0" x 8.37"
85722	1	PLATE 10GA - .13" x 5.87" x 7.87"
85852	2	PLATE .37" x 3.5" x 18.31" w/2 SETS OF HOLES
85845	1	HYD CYL 3" BOREx 12" STROKEx 1.25" ROD - WELDED
85854	4	PLATE 1/2" x 3" x 19" HOLE TO HOLE
85855	1	WELDMENT FRAME
85856	2	PIPE 1.75" x.369" DOM x8.0" LG
85860	1	WELDMENT CYLINDER SLIDE OUTER
85867	2	SPACER PIPE 1" SCH 40 X 1 9/16" LG.
85868	1	WELDMENT CYLINDER SLIDE INNER
202412	1	TOP SUPPORT WELDMENT A-FRAME



A-FRAME #201200

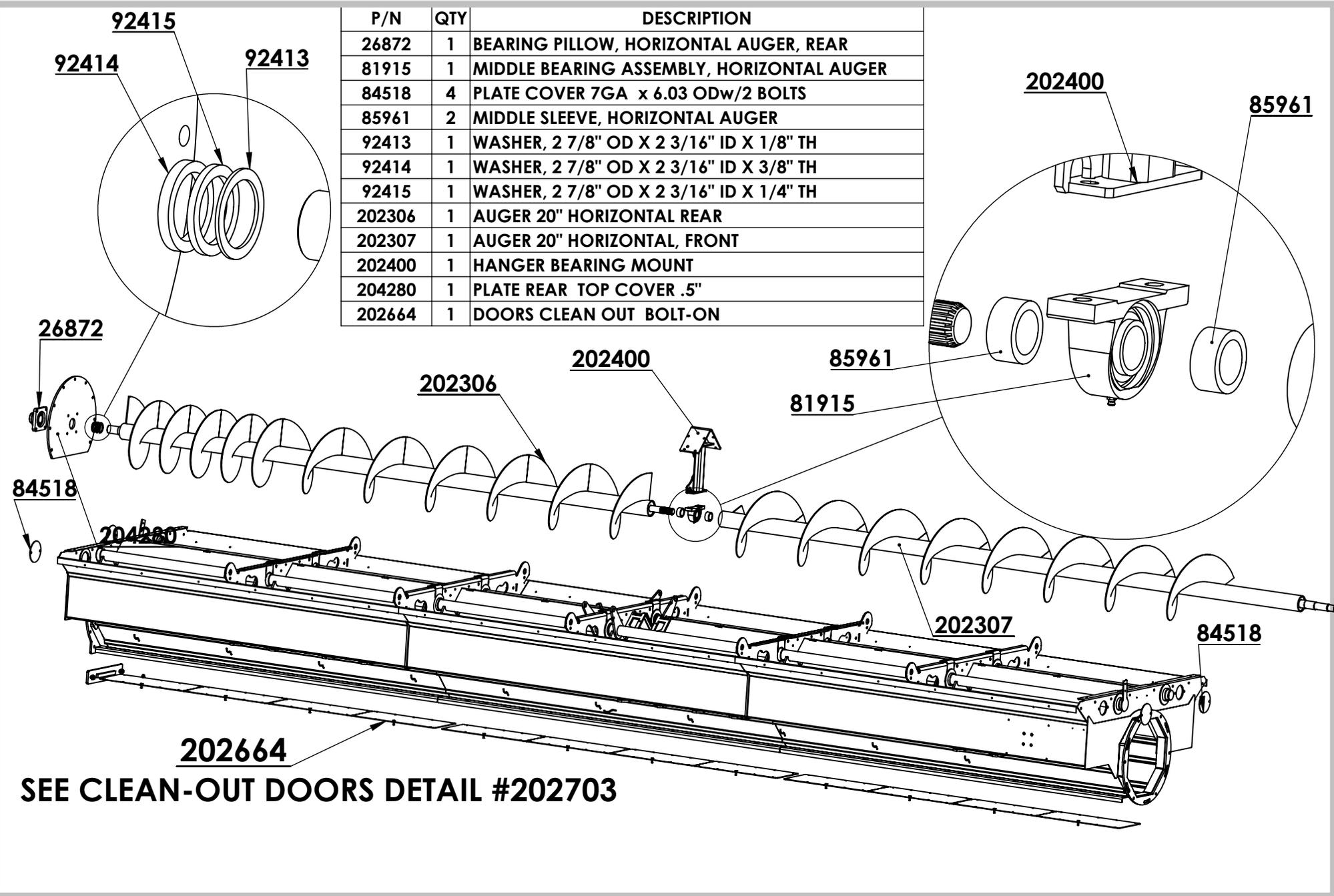


A-FRAME #201200



TROUGH #202703

#



P/N	QTY	DESCRIPTION
26872	1	BEARING PILLOW, HORIZONTAL AUGER, REAR
81915	1	MIDDLE BEARING ASSEMBLY, HORIZONTAL AUGER
84518	4	PLATE COVER 7GA x 6.03 ODw/2 BOLTS
85961	2	MIDDLE SLEEVE, HORIZONTAL AUGER
92413	1	WASHER, 2 7/8" OD X 2 3/16" ID X 1/8" TH
92414	1	WASHER, 2 7/8" OD X 2 3/16" ID X 3/8" TH
92415	1	WASHER, 2 7/8" OD X 2 3/16" ID X 1/4" TH
202306	1	AUGER 20" HORIZONTAL REAR
202307	1	AUGER 20" HORIZONTAL, FRONT
202400	1	HANGER BEARING MOUNT
204280	1	PLATE REAR TOP COVER .5"
202664	1	DOORS CLEAN OUT BOLT-ON

26872

92414

92415

92413

202306

202400

85961

81915

202400

85961

84518

204280

202307

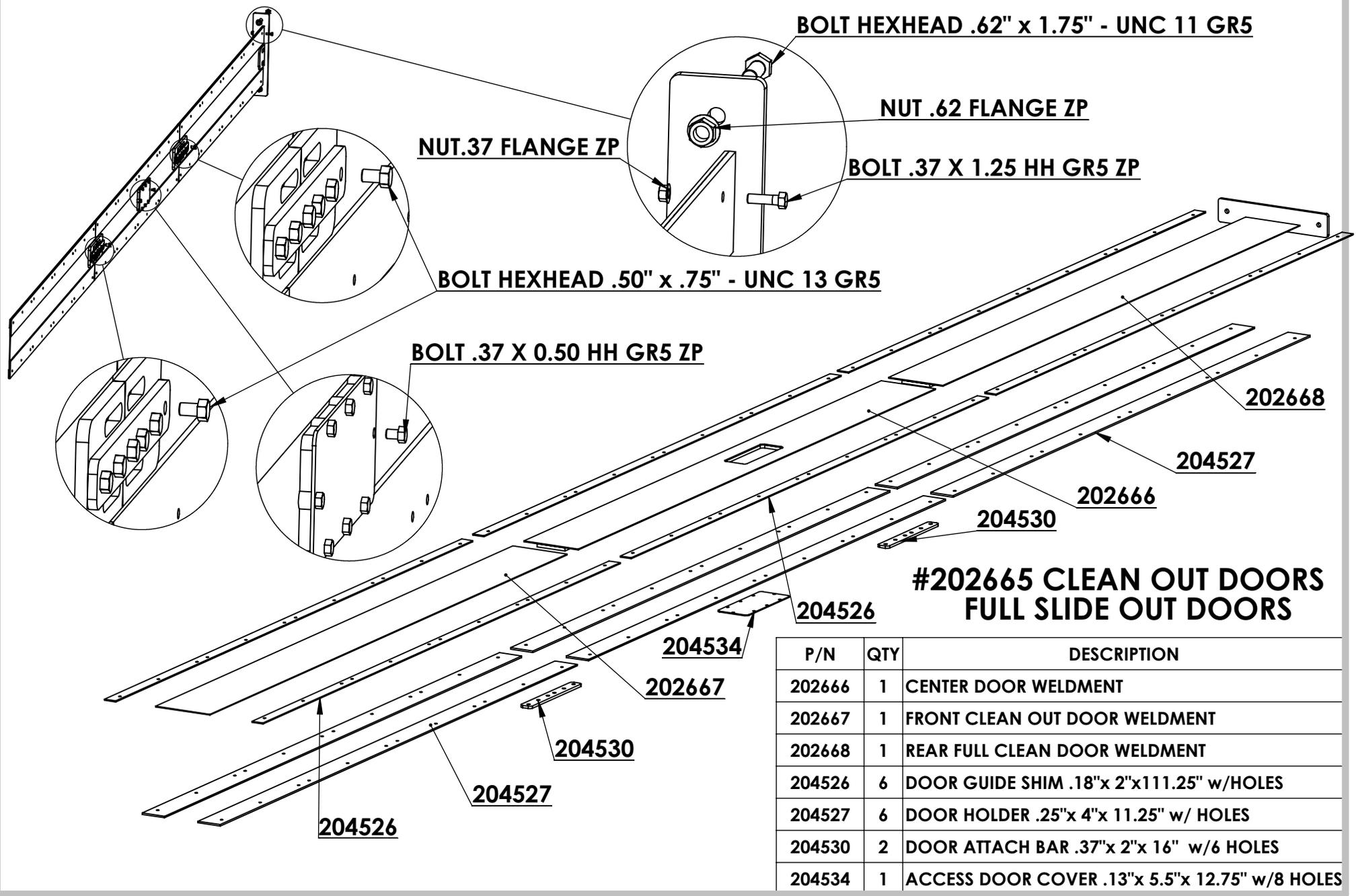
84518

202664

SEE CLEAN-OUT DOORS DETAIL #202703



TROUGH #202703

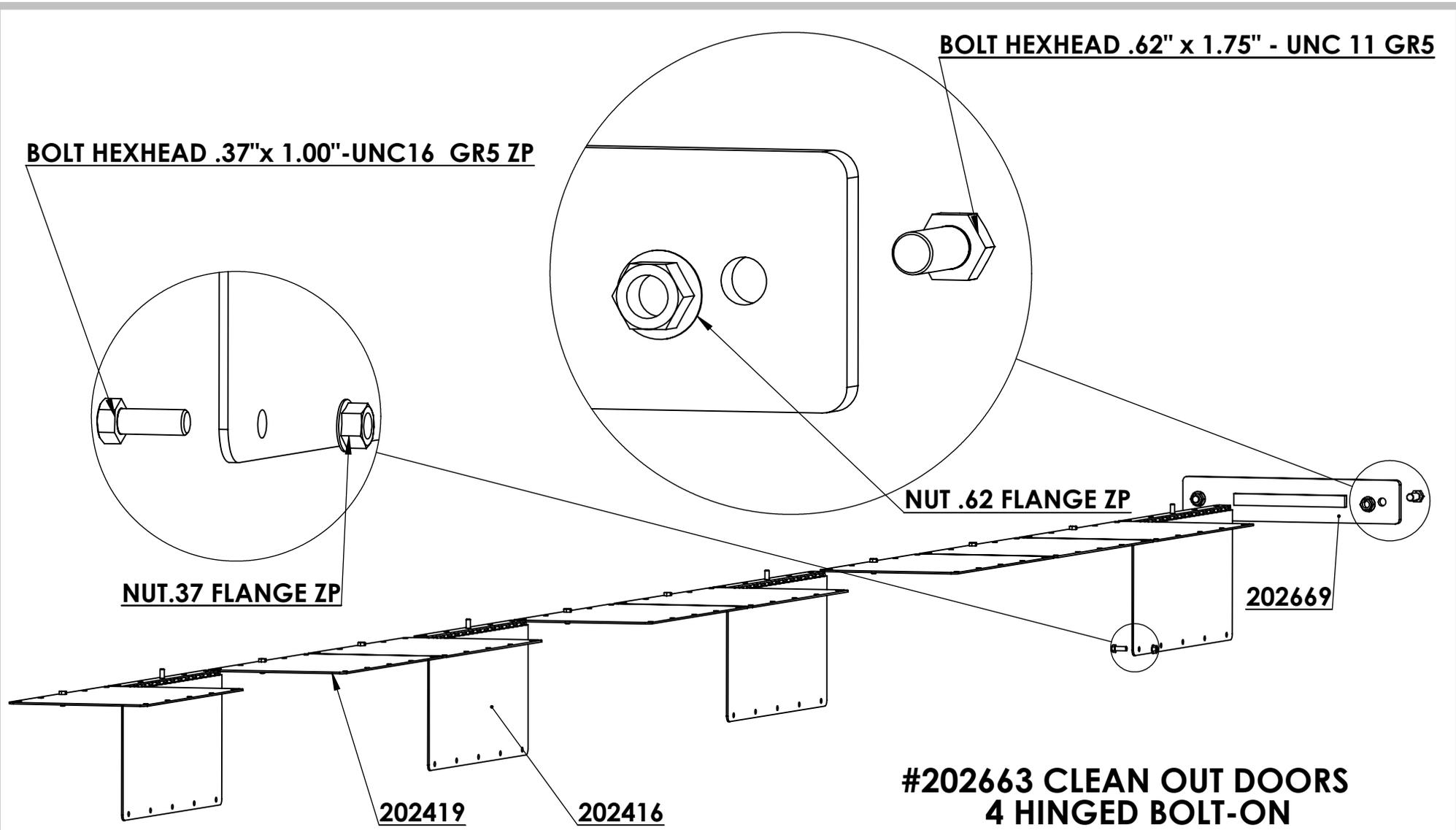


**#202665 CLEAN OUT DOORS
FULL SLIDE OUT DOORS**

P/N	QTY	DESCRIPTION
202666	1	CENTER DOOR WELDMENT
202667	1	FRONT CLEAN OUT DOOR WELDMENT
202668	1	REAR FULL CLEAN DOOR WELDMENT
204526	6	DOOR GUIDE SHIM .18"x 2"x11.25" w/HOLES
204527	6	DOOR HOLDER .25"x 4"x 11.25" w/ HOLES
204530	2	DOOR ATTACH BAR .37"x 2"x 16" w/6 HOLES
204534	1	ACCESS DOOR COVER .13"x 5.5"x 12.75" w/8 HOLES



CLEAN-OUT DOOR OPTION #202703

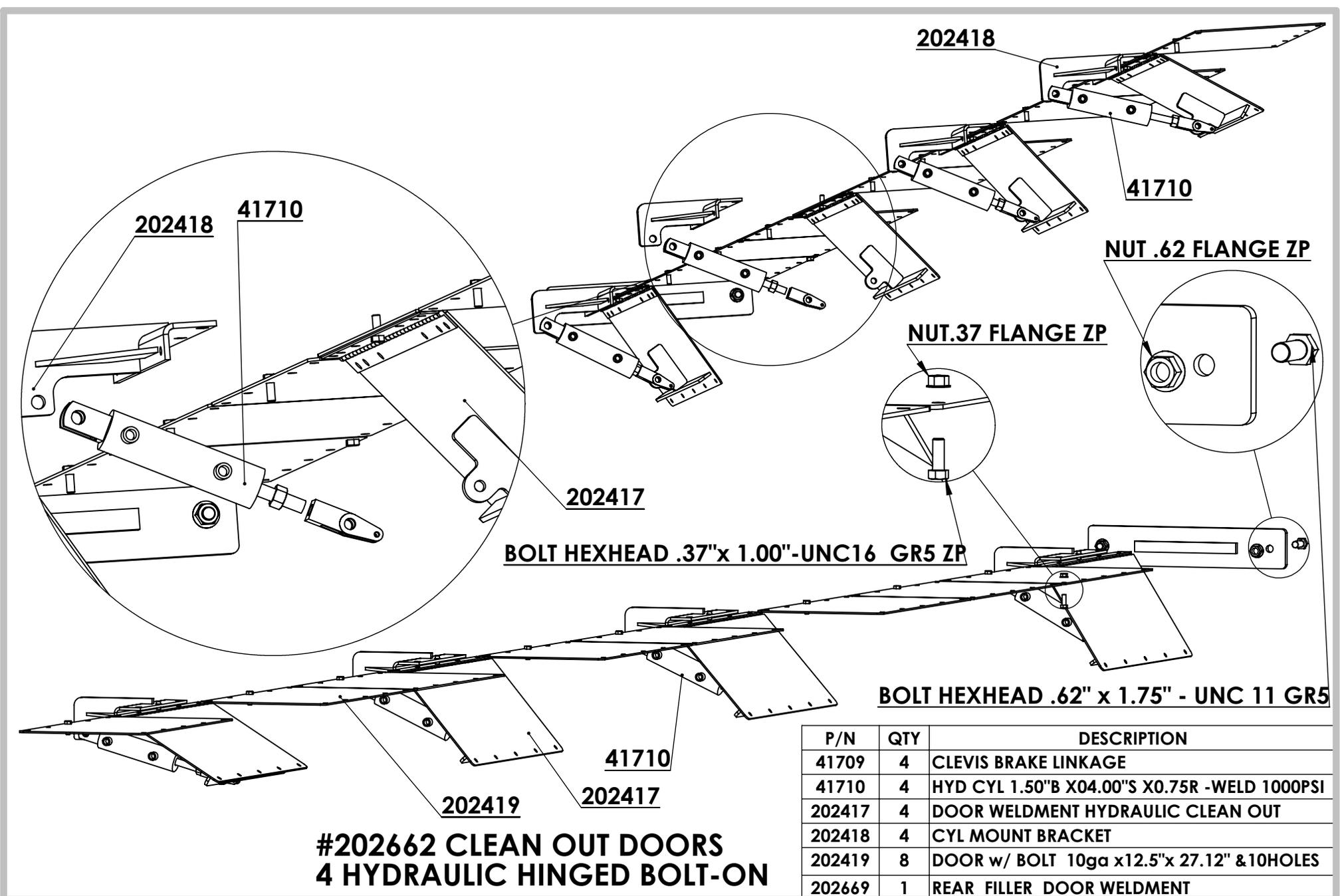


**#202663 CLEAN OUT DOORS
4 HINGED BOLT-ON**

P/N	QTY	DESCRIPTION
202416	4	DOOR WELDMENT CLEAN OUT
202419	8	DOOR w/ BOLT 10ga x12.5"x 27.12" & 10HOLES
202669	1	REAR FILLER DOOR WELDMENT



CLEAN-OUT DOOR OPTION #202703

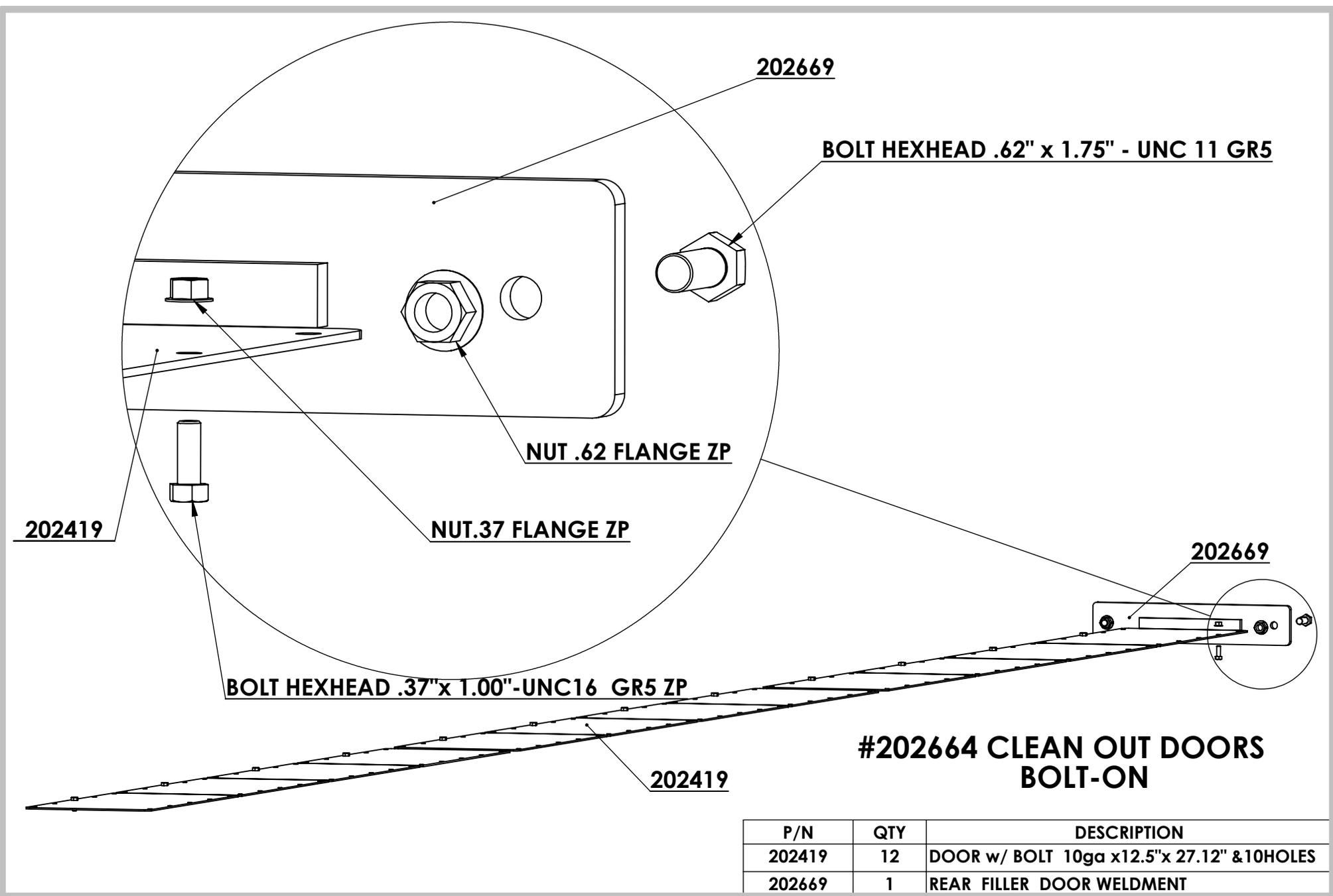


**#202662 CLEAN OUT DOORS
4 HYDRAULIC HINGED BOLT-ON**

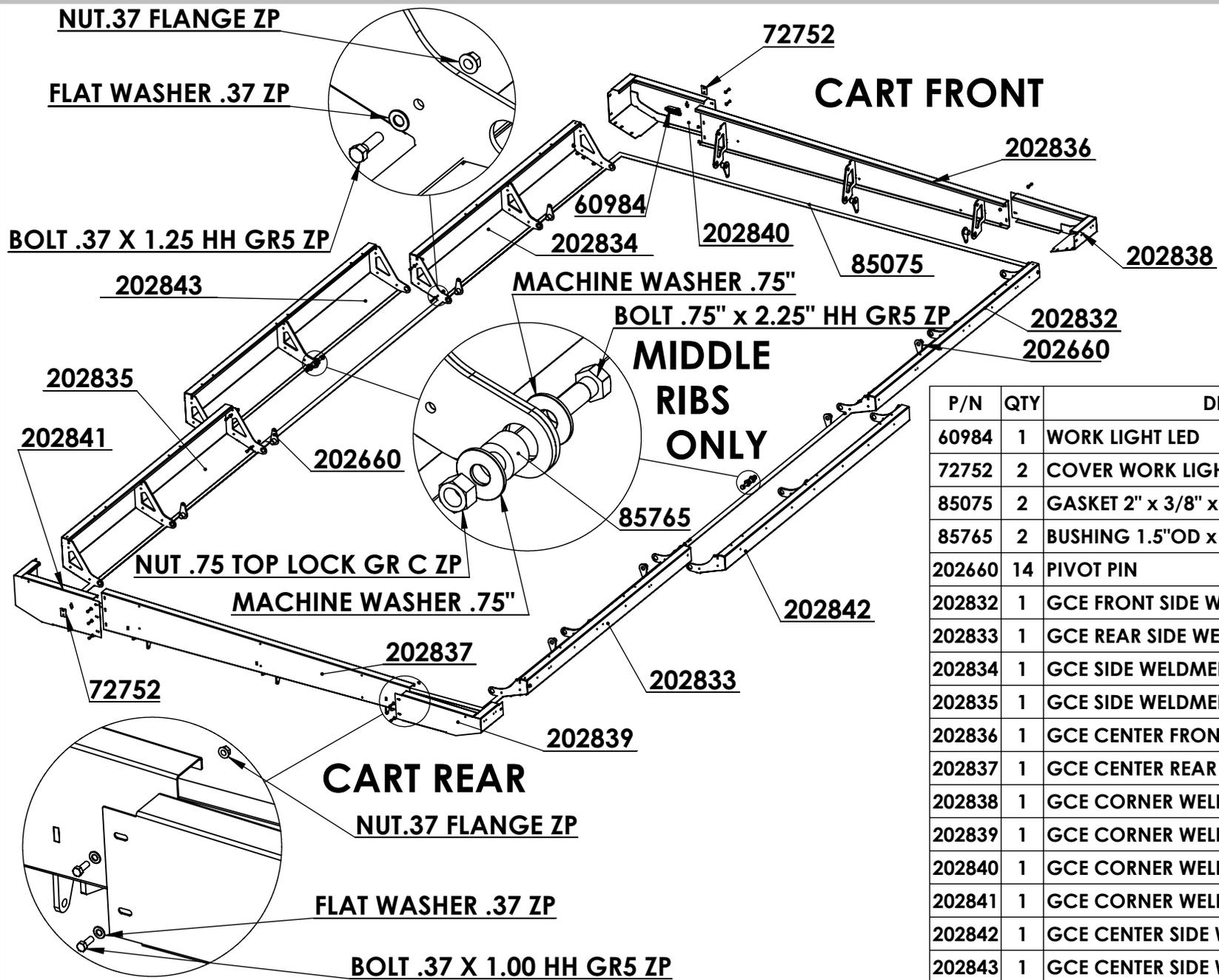
P/N	QTY	DESCRIPTION
41709	4	CLEVIS BRAKE LINKAGE
41710	4	HYD CYL 1.50"B X04.00"S X0.75R -WELD 1000PSI
202417	4	DOOR WELDMENT HYDRAULIC CLEAN OUT
202418	4	CYL MOUNT BRACKET
202419	8	DOOR w/ BOLT 10ga x12.5"x 27.12" & 10HOLES
202669	1	REAR FILLER DOOR WELDMENT



CLEAN-OUT DOOR OPTION #202703



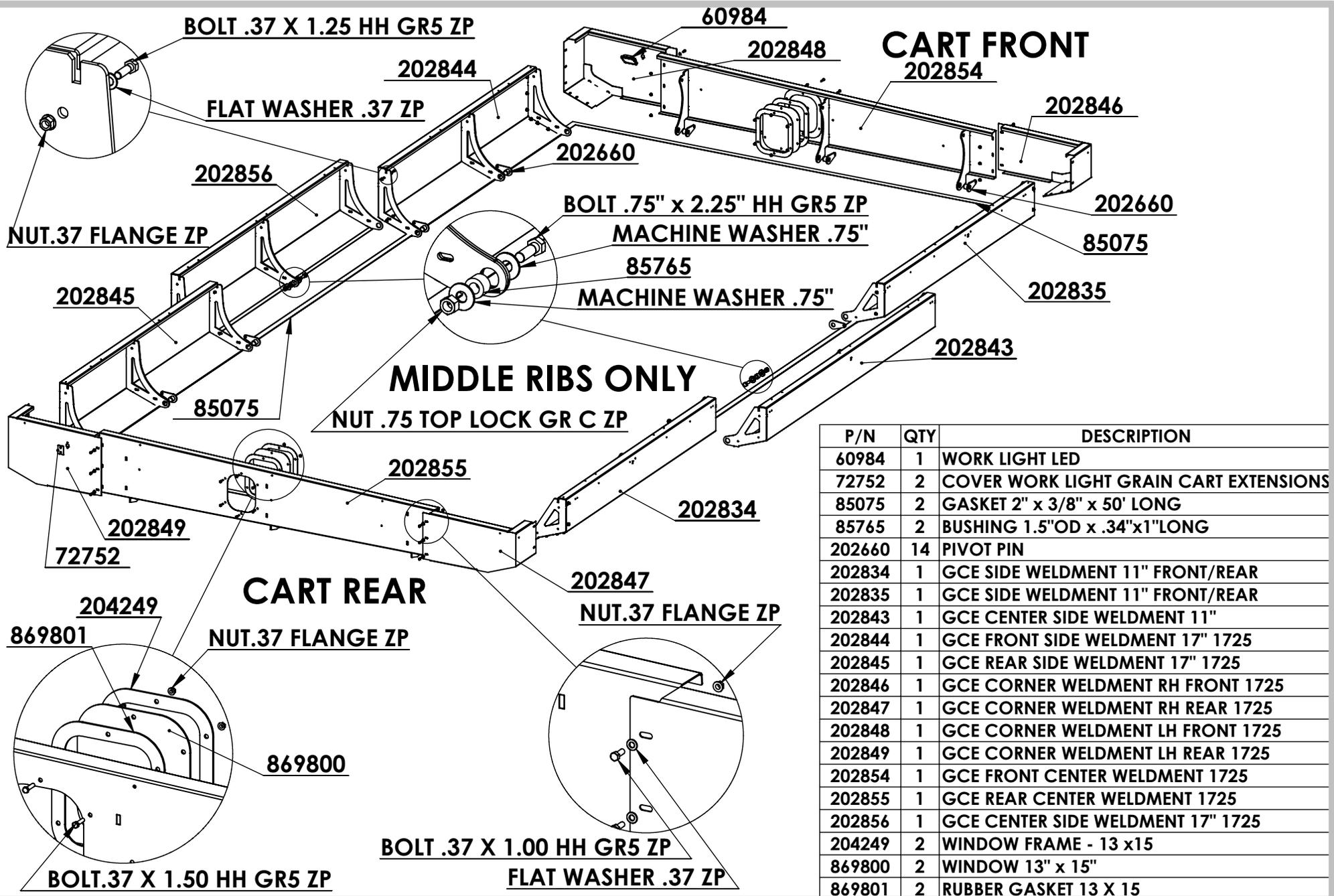
CLEAN-OUT DOOR DETAILS #202703



P/N	QTY	DESCRIPTION
60984	1	WORK LIGHT LED
72752	2	COVER WORK LIGHT GRAIN CART EXTENSIONS
85075	2	GASKET 2" x 3/8" x 50' LONG
85765	2	BUSHING 1.5"OD x .34"x1"LONG
202660	14	PIVOT PIN
202832	1	GCE FRONT SIDE WELDMENT 1550
202833	1	GCE REAR SIDE WELDMENT 5" 1550
202834	1	GCE SIDE WELDMENT 11" FRONT/REAR
202835	1	GCE SIDE WELDMENT 11" FRONT/REAR
202836	1	GCE CENTER FRONT WELDMENT 1550
202837	1	GCE CENTER REAR WELDMENT 1550
202838	1	GCE CORNER WELDMENT RH FRONT 1550
202839	1	GCE CORNER WELDMENT RH REAR 1550
202840	1	GCE CORNER WELDMENT LH FRONT 1550
202841	1	GCE CORNER WELDMENT LH REAR 1550
202842	1	GCE CENTER SIDE WELDMENT 5" 1550
202843	1	GCE CENTER SIDE WELDMENT 11"



**EXTENSION #201335
1550**



**EXTENSION #201336
1725**

BOLT HEXHEAD .37" x 1.00" - UNC 16 GR5 SELFTAPPING

BOLT .37 x 1.75 HH GR5 ZP

FLAT WASHER .37 ZP

NUT.37 FLANGE ZP

72752

202864

CART FRONT

202860

202862

DETAIL A

202866

60984

202811

A

202868

202867

85765

BOLT .75" x 2.25" HH GR5 ZP

MACHINE WASHER .75"

202810

85075

202803

202803

202810

NUT .75 TOP LOCK GR C ZP

MIDDLE RIBS ONLY

202811

CART REAR

202861

202863

NUT.37 FLANGE ZP

204249

869801

869800

FLAT WASHER .37 ZP

202861

BOLT .37 X 1.00 HH GR5 ZP

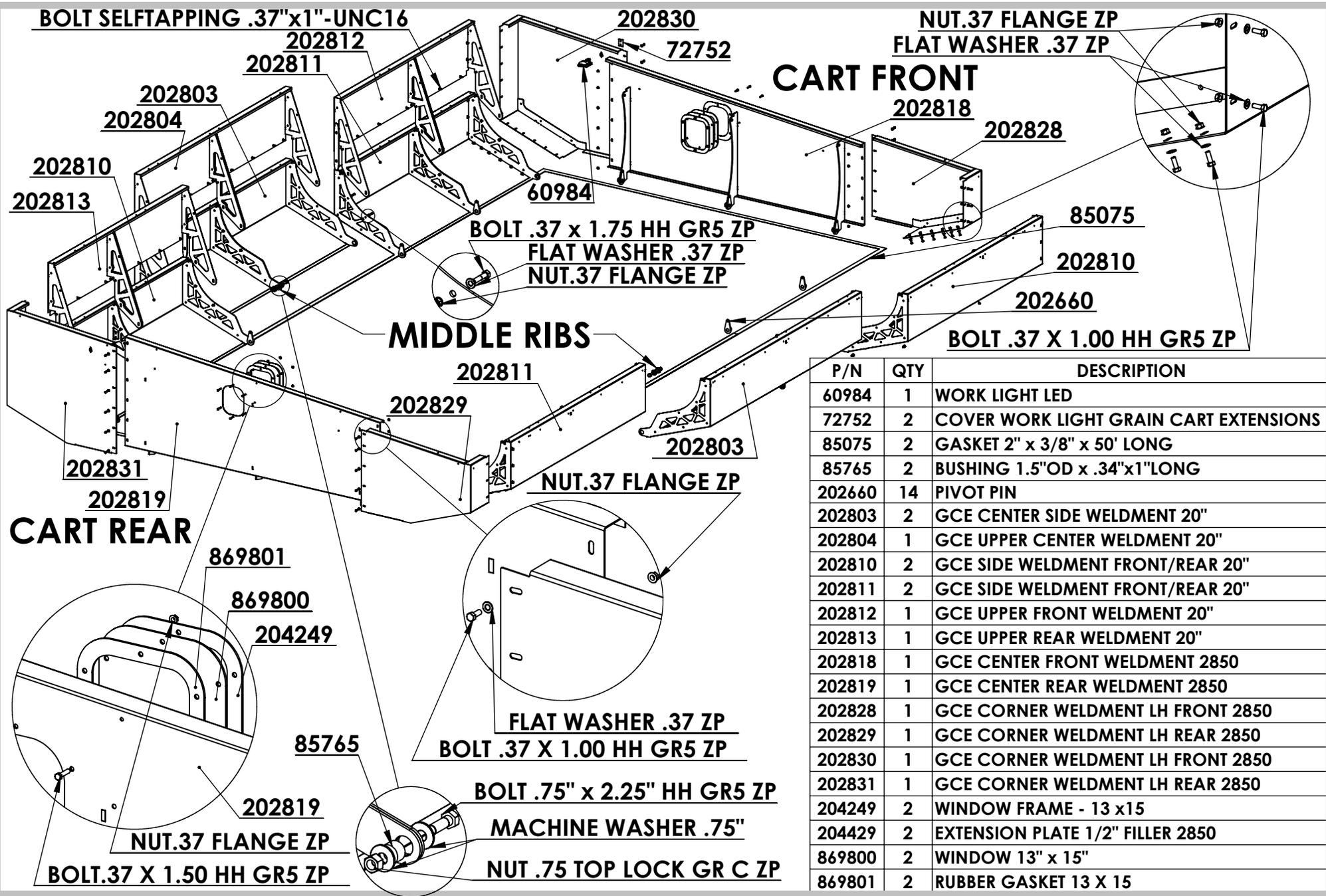
BOLT .37 X 1.25 HH GR5 ZP

NUT.37 FLANGE ZP

P/N	QTY	DESCRIPTION
60984	1	WORK LIGHT LED
72752	2	COVER WORK LIGHT GRAIN CART EXTENSIONS
85075	2	GASKET 2" x 3/8" x 50' LONG
85765	2	BUSHING 1.5"OD x .34"x1"LONG
202660	14	PIVOT PIN
202803	2	GCE CENTER SIDE WELDMENT 20"
202810	2	GCE SIDE WELDMENT FRONT/REAR 20"
202811	2	GCE SIDE WELDMENT FRONT/REAR 20"
202860	1	GCE CENTER FRONT WELDMENT 2550
202861	1	GCE CENTER REAR WELDMENT 2550
202862	1	GCE CORNER WELDMENT RH FRONT 2550
202863	1	GCE CORNER WELDMENT RH REAR 2550
202864	1	GCE CORNER WELDMENT LH FRONT 2550
202865	1	GCE CORNER WELDMENT LH REAR 2550
202866	1	GCE UPPER FRONT WELDMENT 2550
202867	1	GCE UPPER REAR WELDMENT 2550
202868	1	GCE UPPER CENTER WELDMENT 2550
204249	2	WINDOW FRAME - 13 x15
204495	2	GCE PLATE 1/2" FILLER 2550
869800	2	WINDOW 13" x 15"
869801	2	RUBBER GASKET 13 X 15



**EXTENSION #201330
2550**



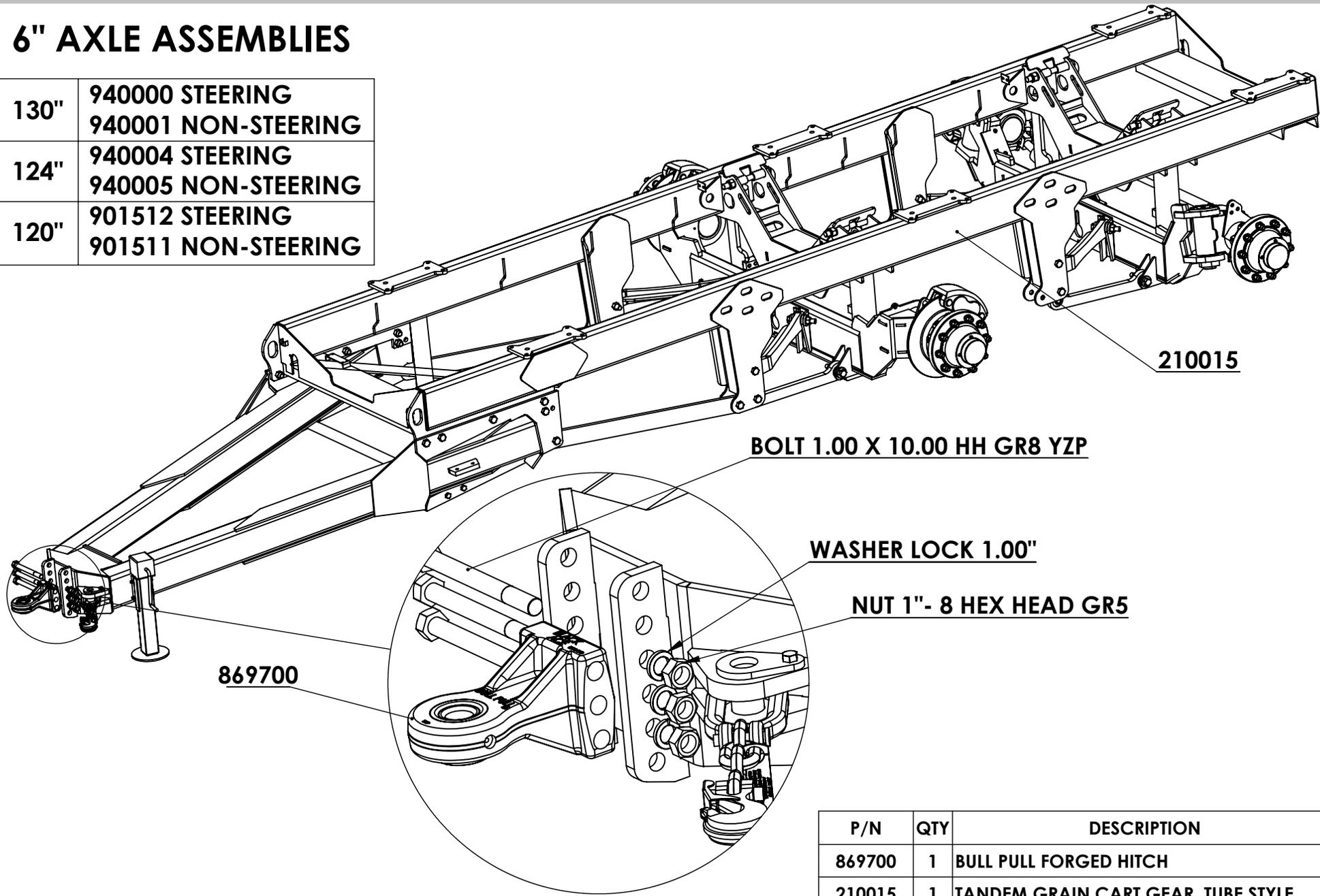
P/N	QTY	DESCRIPTION
60984	1	WORK LIGHT LED
72752	2	COVER WORK LIGHT GRAIN CART EXTENSIONS
85075	2	GASKET 2" x 3/8" x 50' LONG
85765	2	BUSHING 1.5"OD x .34"x1"LONG
202660	14	PIVOT PIN
202803	2	GCE CENTER SIDE WELDMENT 20"
202804	1	GCE UPPER CENTER WELDMENT 20"
202810	2	GCE SIDE WELDMENT FRONT/REAR 20"
202811	2	GCE SIDE WELDMENT FRONT/REAR 20"
202812	1	GCE UPPER FRONT WELDMENT 20"
202813	1	GCE UPPER REAR WELDMENT 20"
202818	1	GCE CENTER FRONT WELDMENT 2850
202819	1	GCE CENTER REAR WELDMENT 2850
202828	1	GCE CORNER WELDMENT LH FRONT 2850
202829	1	GCE CORNER WELDMENT LH REAR 2850
202830	1	GCE CORNER WELDMENT LH FRONT 2850
202831	1	GCE CORNER WELDMENT LH REAR 2850
204249	2	WINDOW FRAME - 13 x 15
204429	2	EXTENSION PLATE 1/2" FILLER 2850
869800	2	WINDOW 13" x 15"
869801	2	RUBBER GASKET 13 X 15



EXTENSION #201334 2850

6" AXLE ASSEMBLIES

130"	940000 STEERING 940001 NON-STEERING
124"	940004 STEERING 940005 NON-STEERING
120"	901512 STEERING 901511 NON-STEERING

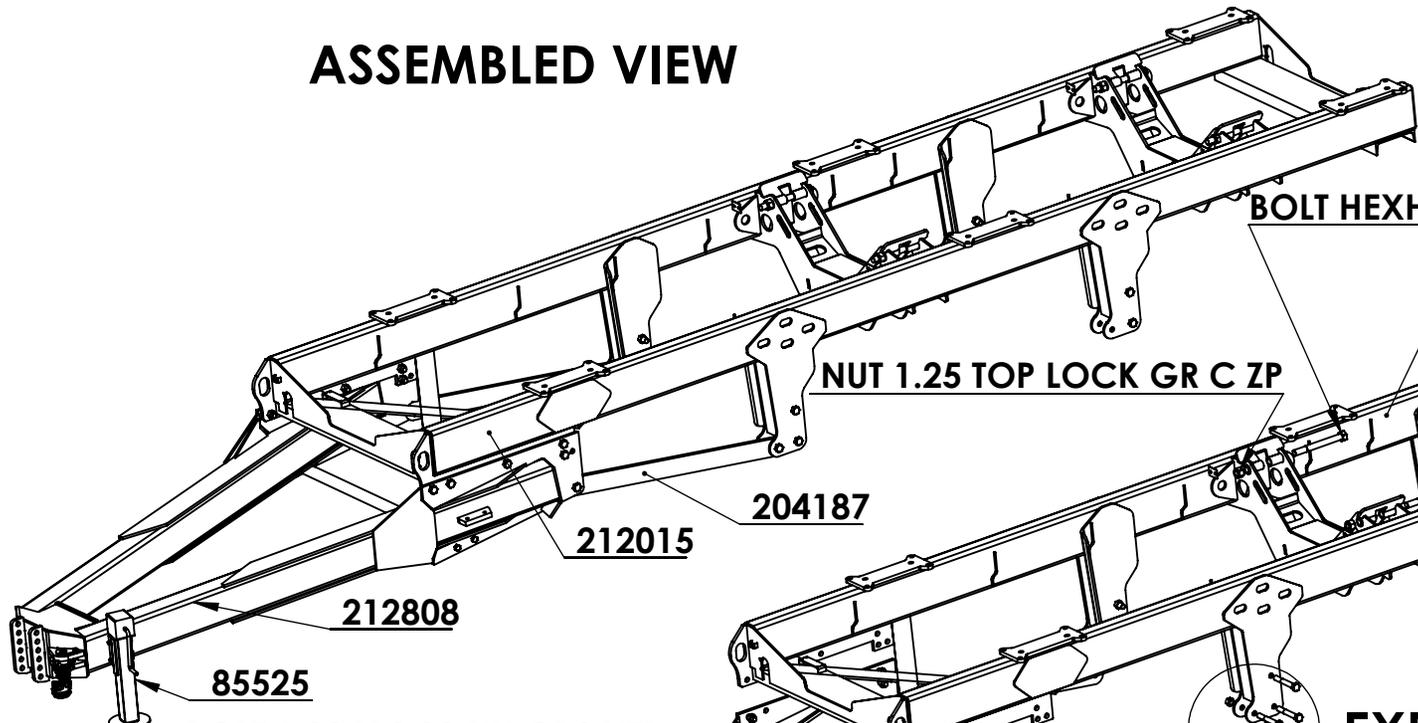


P/N	QTY	DESCRIPTION
869700	1	BULL PULL FORGED HITCH
210015	1	TANDEM GRAIN CART GEAR TUBE STYLE



TANDEM GEAR #210015

ASSEMBLED VIEW



BOLT HEXHEAD 1.25" x 12.00" - UNC 7 GR8

212015

NUT 1.25 TOP LOCK GR C ZP

212015

204187

212808

85525

BOLT 1.00 X 3.00 HH GR8 YZP

BOLT .50 X 1.25 HH GR5 ZP

212808

85525

204187

EXPLODED VIEW

911005

BOLT 1.00 x 7.00 HH GR8 YZP

BOLT 1.00 x 7.00 HH GR8 YZP

P/N	QTY	DESCRIPTION
85525	1	MANUAL JACK ASSY
96169	1	CHAIN SAFETY 80,000 LB
204187	2	TOWER SUPPORT BAR TANDEM
212015	1	TANDEM TRAILER WELDMENT TUBE STYLE
212808	1	TONGUE GRAIN CART 30.5 TIRES
900327	1	HYD KIT TANDEM SUS & STEER
902500	1	SAFETY CHAIN PIN
911005	8	PIPE 1.5" OD x 1.03" ID x 1.18" LONG
911018	2	PIPE 1.5" OD x 1.03" ID x 2.87" LONG

NUT, 1" TOPLOCK

911005

911018

204187

902500

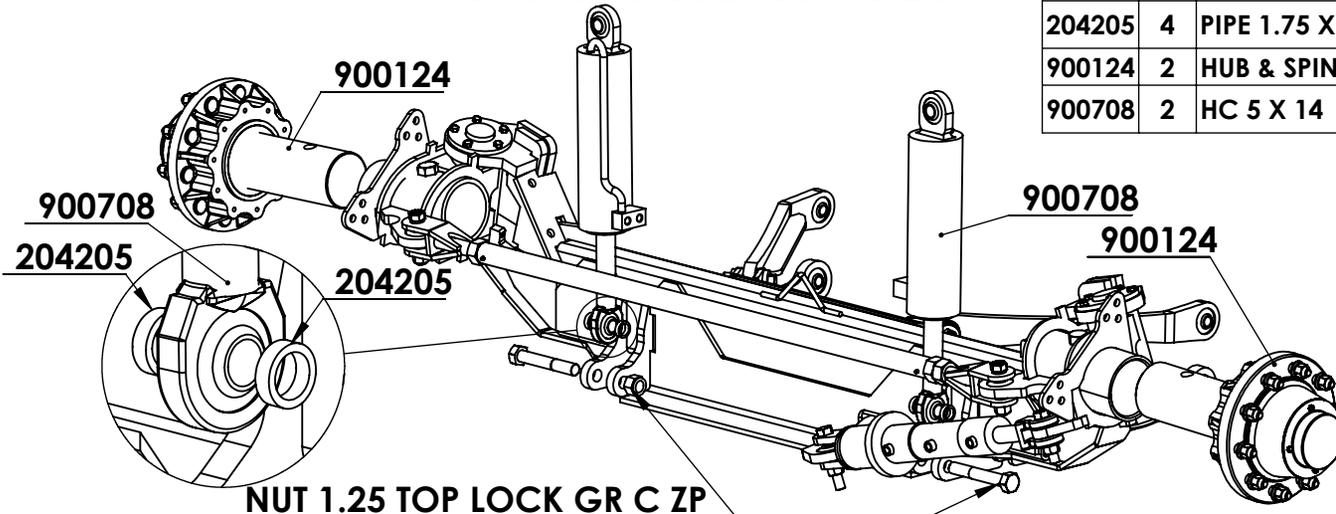
96169



TANDEM GEAR #210015

6" HUBS NO BRAKES

P/N	QTY	DESCRIPTION
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900124	2	HUB & SPINDLE 6"/25,000 LBS /10 BOLT /13.18"BC /13.81 /BRAKE
900708	2	HC 5 X 14 1 1/4" BAL SOC

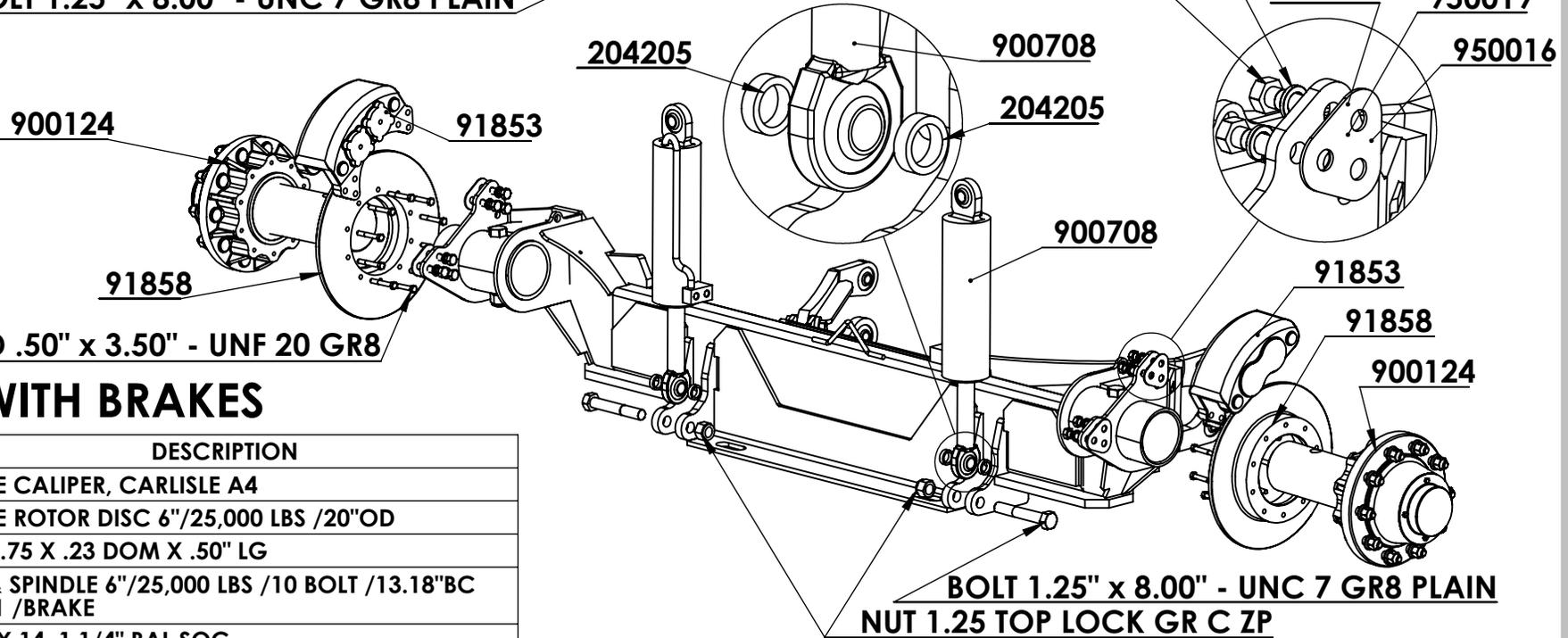


NUT 1.25 TOP LOCK GR C ZP
BOLT 1.25" x 8.00" - UNC 7 GR8 PLAIN

Use appropriate spacer below to center caliper on rotor.

P/N	DESCRIPTION
950015	SPACER 10 GAUGE BRAKE CALIPER
950019	SPACER 1/4" BRAKE CALIPER
950016	SPACER 3/8" BRAKE CALIPER

BOLT .75" x 2.25" HH GR5 ZP
WASHER LOCK .75"



BOLT HEXHEAD .50" x 3.50" - UNF 20 GR8

6" HUBS WITH BRAKES

P/N	QTY	DESCRIPTION
91853	2	BRAKE CALIPER, CARLISLE A4
91858	2	BRAKE ROTOR DISC 6"/25,000 LBS /20"OD
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900124	2	HUB & SPINDLE 6"/25,000 LBS /10 BOLT /13.18"BC /13.81 /BRAKE
900708	1	HC 5 X 14 1 1/4" BAL SOC

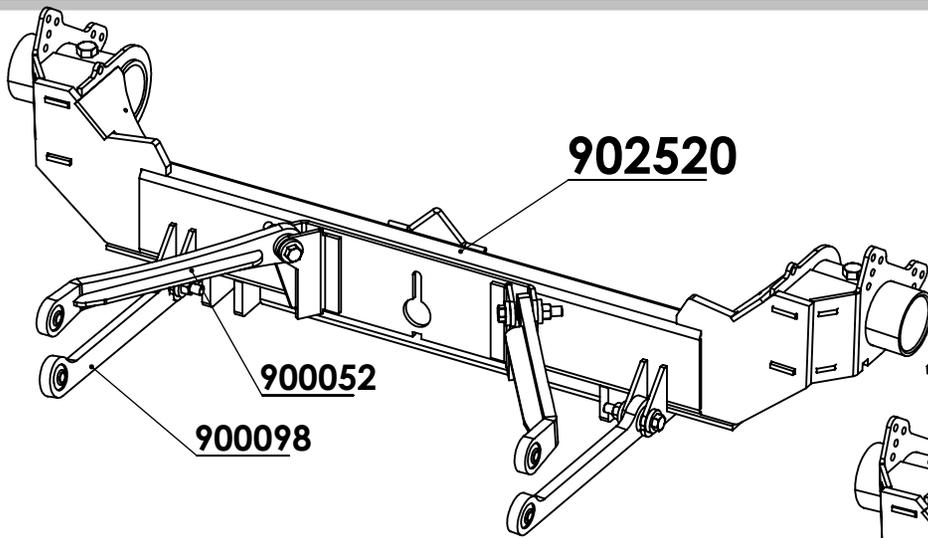
BOLT 1.25" x 8.00" - UNC 7 GR8 PLAIN
NUT 1.25 TOP LOCK GR C ZP



UNIVERSAL AXLE ASSEMBLIES 6" HUBS AND BRAKES

P/N	QTY	DESCRIPTION
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
902520	1	AXLE IND TUBE SOLID WELD 6" 60"

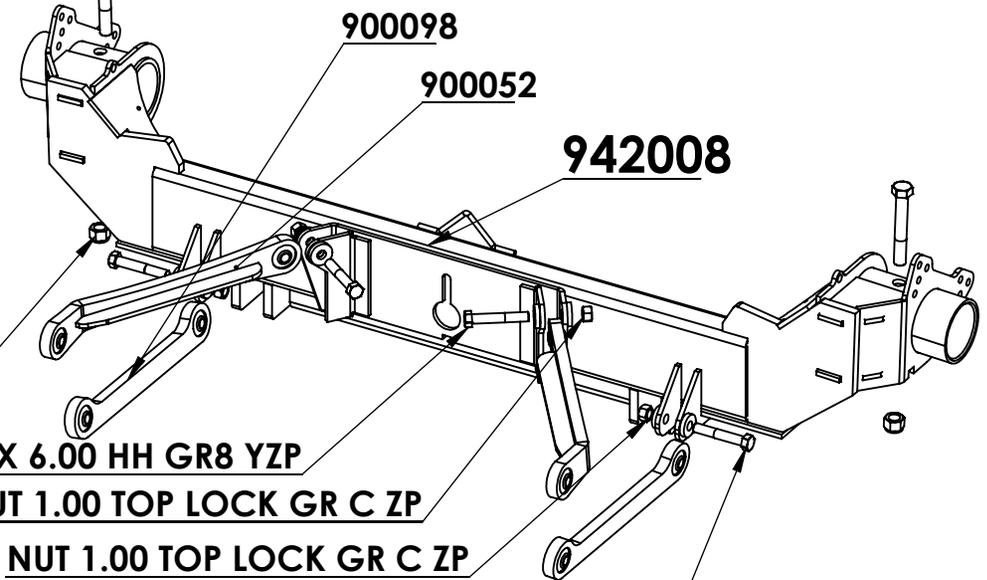
120"



BOLT HEXHEAD 1.25" x 8.50" - UNC 7 GR5

P/N	QTY	DESCRIPTION
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
942008	1	AXLE IND TUBE SOLID WELD 6" 124"

124"



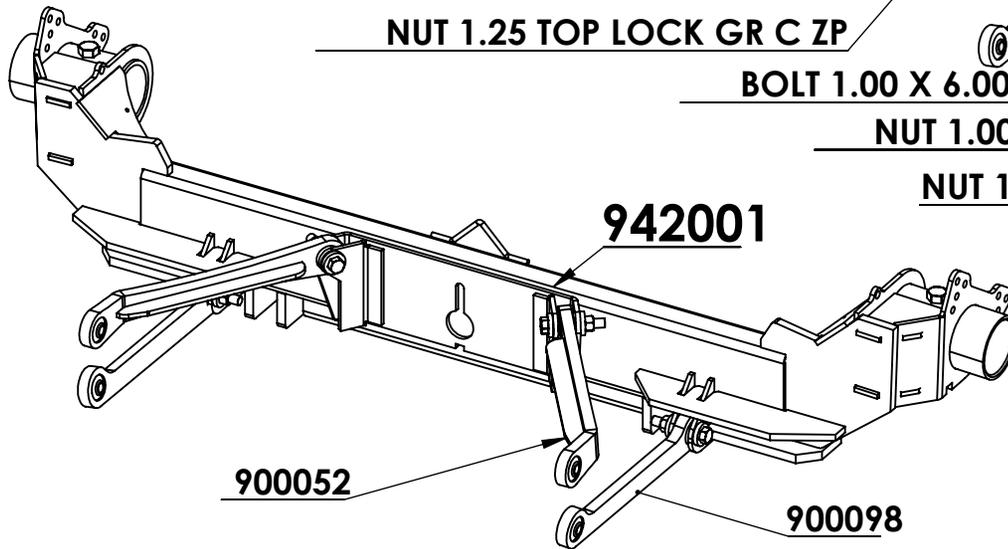
NUT 1.25 TOP LOCK GR C ZP

BOLT 1.00 X 6.00 HH GR8 YZP

NUT 1.00 TOP LOCK GR C ZP

NUT 1.00 TOP LOCK GR C ZP

BOLT 1.00 X 6.00 HH GR8 YZP

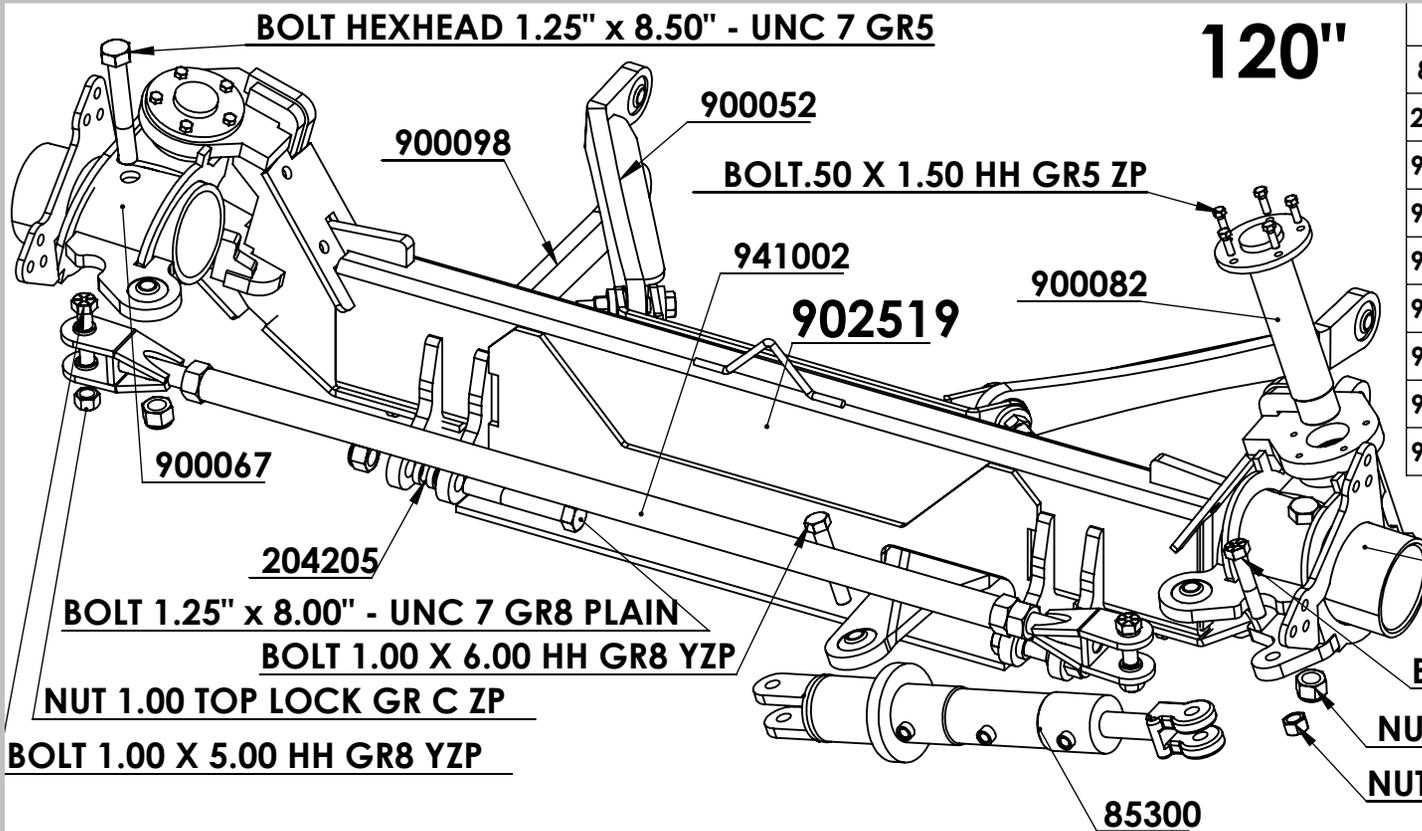


130"

P/N	QTY	DESCRIPTION
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
942001	1	AXLE IND TUBE SOLID WELD 6" 130"



NON-STEERING AXLE ASSEMBLIES for 6" HUBS



120"

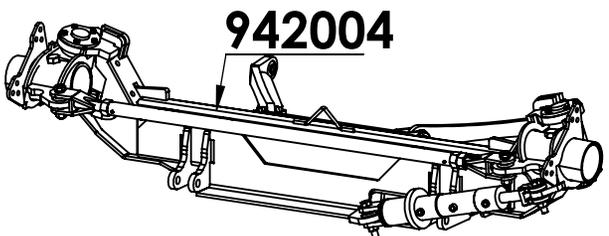
P/N	QTY	DESCRIPTION
85300	1	CLYINDER, STEERING 3000 PSI
204205	4	PIPE 1.75 X .23 DOM X .50" LG
902519	1	AXLE IND. TUBE STEER WELD 60"
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
900082	2	AXLE KING PIN BOLT
900067	1	AXLE KING PIN RECEIVER LH 6
900068	1	AXLE KING PIN RECEIVER RH 6
941002	1	AXLE TIE ROD ASSEMBLY

#901512 120" AXEL ASSEMBLY

P/N	QTY	DESCRIPTION
942004	1	AXLE TUBE INT STEER WELD 124"

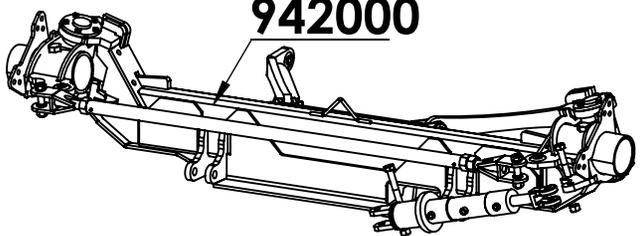
P/N	QTY	DESCRIPTION
942000	1	AXLE TUBE INT STEER WELD 130"

124"



#940004 124" AXEL ASSEMBLY

130"



#940000 130" AXEL ASSEMBLY



**STEERING AXLE ASSEMBLIES
for 6" HUBS**

BOLT.50 X 1.50 HH GR5 ZP

900082

900116

70123

70123

865045

865045

900085

900117

P/N	QTY	DESCRIPTION
70123	4	THRUST WASHER
865045	4	BUSHING POLYGON BM4571
900082	2	AXLE KING PIN BOLT
900085	2	NUT JAM 2.75" -12 UNF
900116	2	O-RING QUAD 4.12" OD x 0.21"TH -346
900117	2	SEAL 3.00" x4.50" x0.43" -TA BUNA
33488	2	BOLT 1.00 X 5.00 HH GR8 YZP
1779	2	NUT 1.00 TOP LOCK GR C ZP

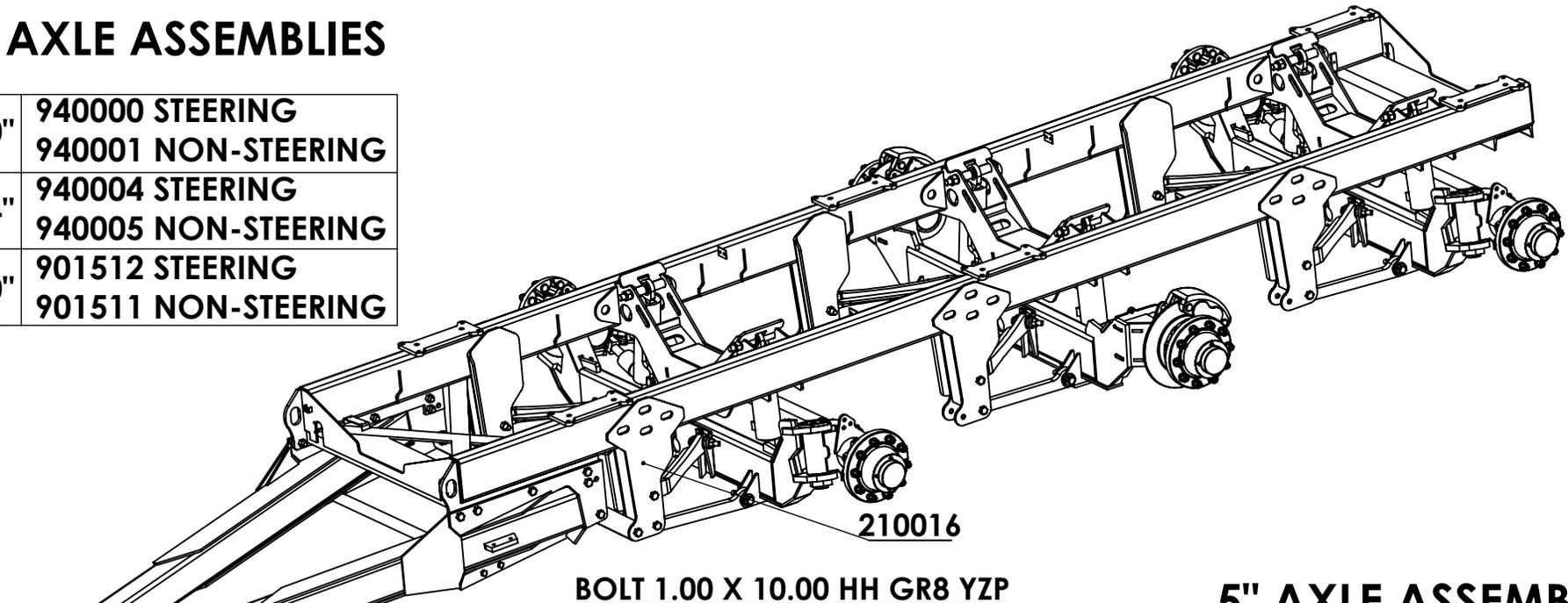
- #900065 5" RECEIVER LH**
- #900066 5" RECEIVER RH**
- #900067 6" RECEIVER LH**
- #900068 6" RECEIVER RH**



STEERING PARTS LIST for 5" & 6" HUBS

6" AXLE ASSEMBLIES

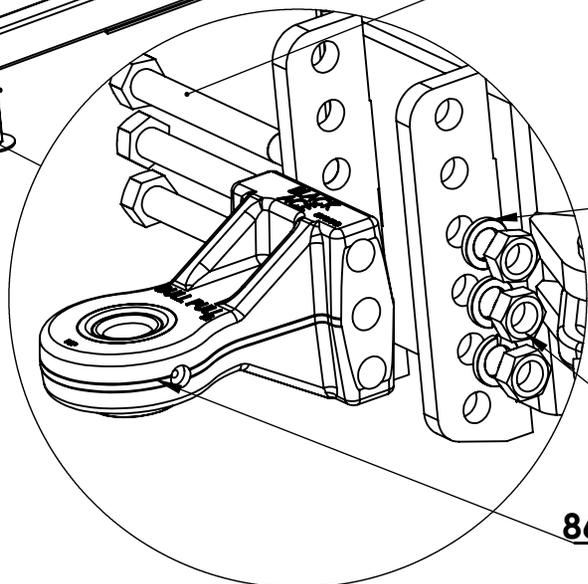
130"	940000 STEERING 940001 NON-STEERING
124"	940004 STEERING 940005 NON-STEERING
120"	901512 STEERING 901511 NON-STEERING



BOLT 1.00 X 10.00 HH GR8 YZP

5" AXLE ASSEMBLIES

124"	940006 STEERING 940007 NON-STEERING
120"	901510 STEERING 901509 NON-STEERING



WASHER LOCK 1.00"

NUT 1"- 8 HEX HEAD GR5

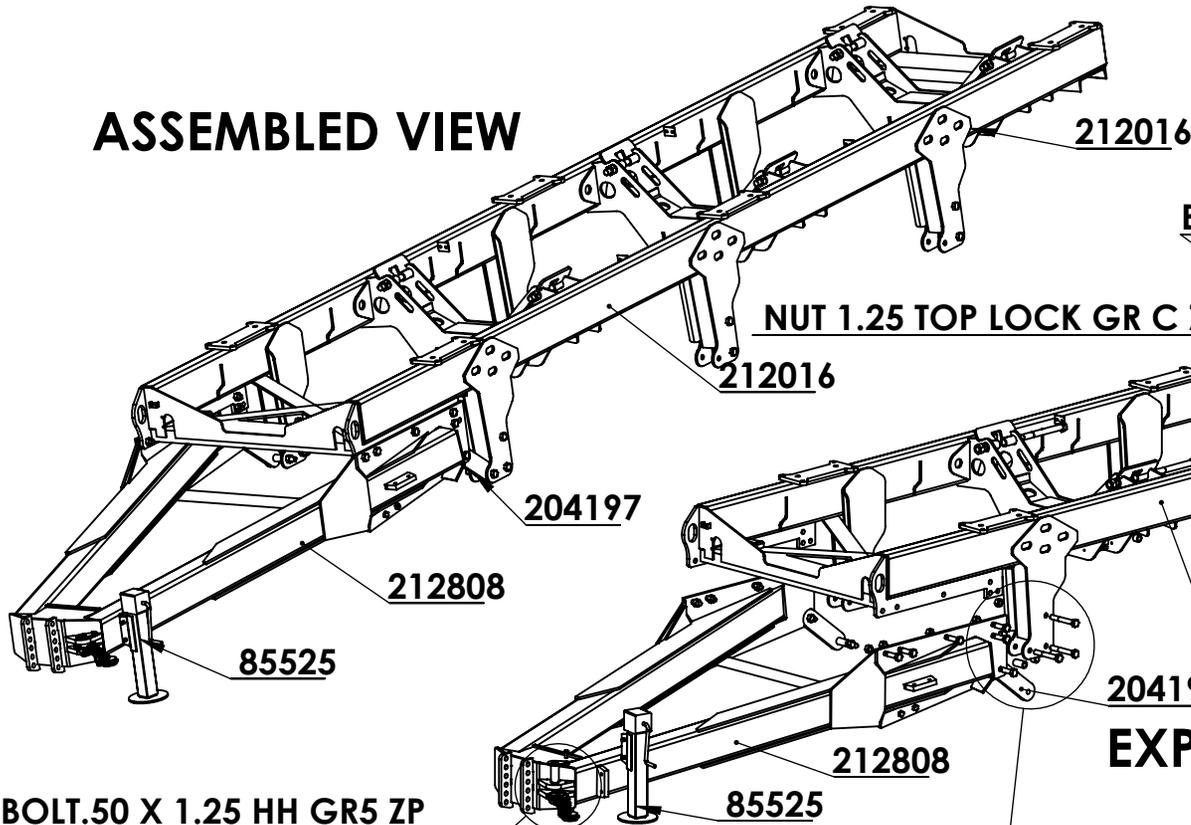
869700

P/N	QTY	DESCRIPTION
869700	1	BULL PULL FORGED HITCH
210016	1	TRIDEM GRAIN CART GEAR ASSEMBLY



TRIDEM GEAR #210016

ASSEMBLED VIEW



BOLT HEXHEAD 1.25" x 12.00" - UNC 7 GR8

NUT 1.25 TOP LOCK GR C ZP

EXPLODED VIEW

911005

NUT, 1" TOPLOCK

BOLT 1.00 x 7.00 HH GR8 YZP

BOLT 1.00 X 3.00 HH GR8 YZP

BOLT 1.00 x 7.00 HH GR8 YZP

NUT, 1" TOPLOCK

902500

96169

BOLT 1.00 X 3.00 HH GR8 YZP

911018

204197

911005

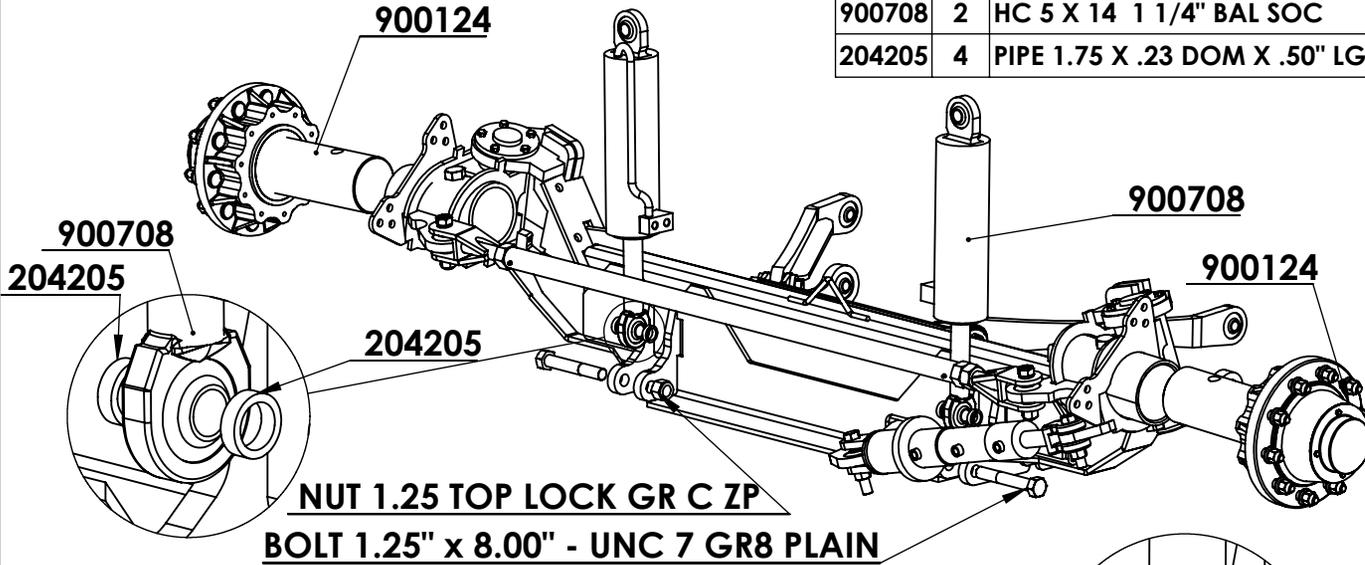
P/N	QTY	DESCRIPTION
85525	1	MANUAL JACK ASSY
96169	1	CHAIN SAFETY 80,000 LB
212016	1	TRAILER WELD TRIDEM W/ FLAT WEIGH BARS
212808	1	TONGUE GRAIN CART 30.5 TIRES
204197	2	TOWER SUPPORT BAR TRIDEM
900321	1	HYD. KIT TRIDEM GEAR
902500	1	SAFETY CHAIN PIN
911005	12	PIPE 1.5" OD x 1.03" ID x 1.18" LONG
911018	2	PIPE 1.5" OD x 1.03" ID x 2.87" LONG



TRIDEM GEAR #210016

6" HUBS NO BRAKES

P/N	QTY	DESCRIPTION
900124	2	HUB & SPINDLE 6"/25,000 LBS /10 BOLT /13.18"BC /13.81 /BRAKE
900708	2	HC 5 X 14 1 1/4" BAL SOC
204205	4	PIPE 1.75 X .23 DOM X .50" LG



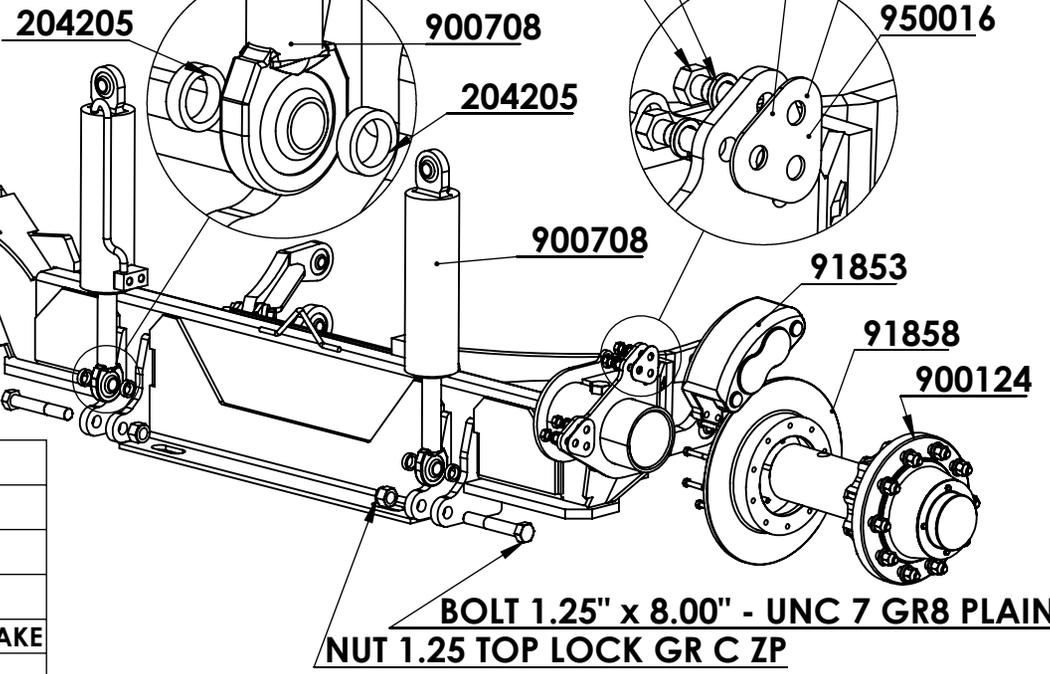
Use appropriate spacer below to center caliper on rotor.

P/N	DESCRIPTION
950015	SPACER 10 GAUGE BRAKE CALIPER
950019	SPACER 1/4" BRAKE CALIPER
950016	SPACER 3/8" BRAKE CALIPER

**BOLT .75" x 2.25" HH GR5 ZP
WASHER LOCK .75"**

950015 950019

950016



BOLT HEXHEAD .50" x 3.50" - UNF 20 GR8

6" HUBS WITH BRAKES

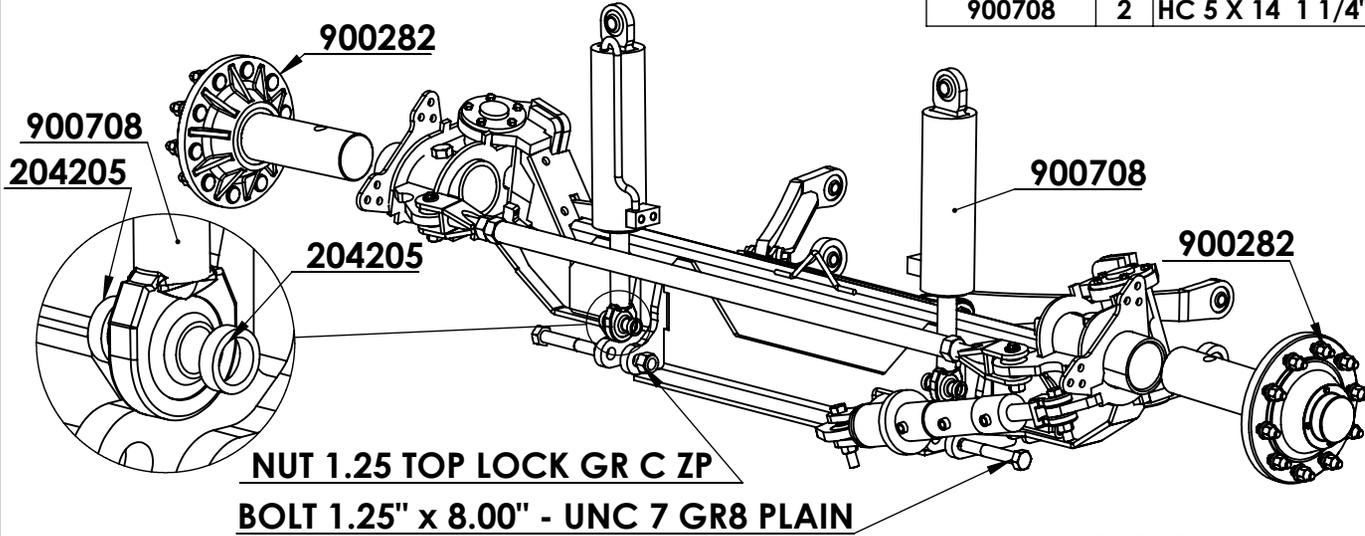
P/N	QTY	DESCRIPTION
91853	2	BRAKE CALIPER, CARLISLE A4
91858	2	BRAKE ROTOR DISC 6"/25,000 LBS /20"OD
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900124	2	HUB & SPINDLE 6"/25,000 LBS /10 BOLT /13.18"BC /13.81 /BRAKE
900708	1	HC 5 X 14 1 1/4" BAL SOC



UNIVERSAL AXLE ASSEMBLIES 6" HUBS AND BRAKES

5" HUBS NO BRAKES

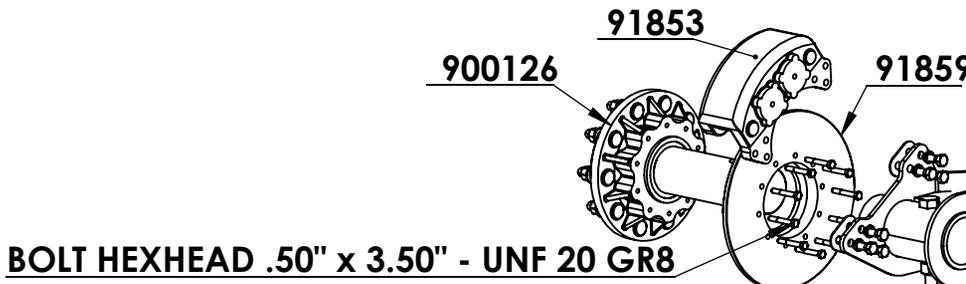
P/N	QTY	DESCRIPTION
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900282	2	HUB & SPINDLE 5" /20,000LBS /10BOLT /13.18"BC /13.81 /NO BRAKE
900708	2	HC 5 X 14 1 1/4" BAL SOC



Use appropriate spacer below to center caliper on rotor.

P/N	DESCRIPTION
950015	SPACER 10 GAUGE BRAKE CALIPER
950019	SPACER 1/4" BRAKE CALIPER
950016	SPACER 3/8" BRAKE CALIPER

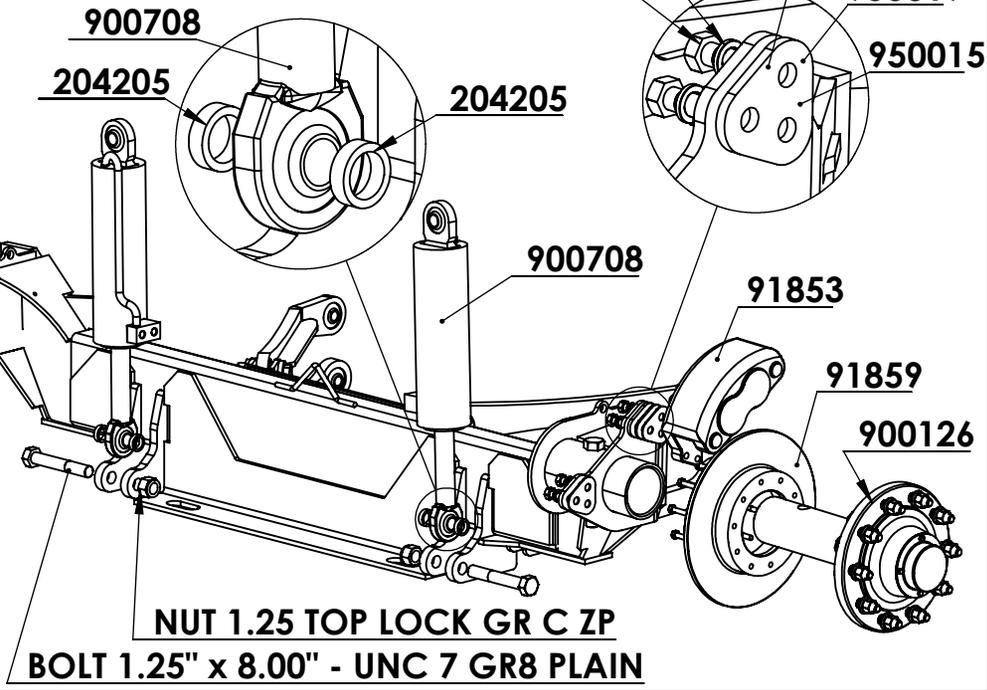
BOLT .75" x 2.25" HH GR5 ZP
WASHER LOCK .75"



BOLT HEXHEAD .50" x 3.50" - UNF 20 GR8

5" HUBS WITH BRAKES

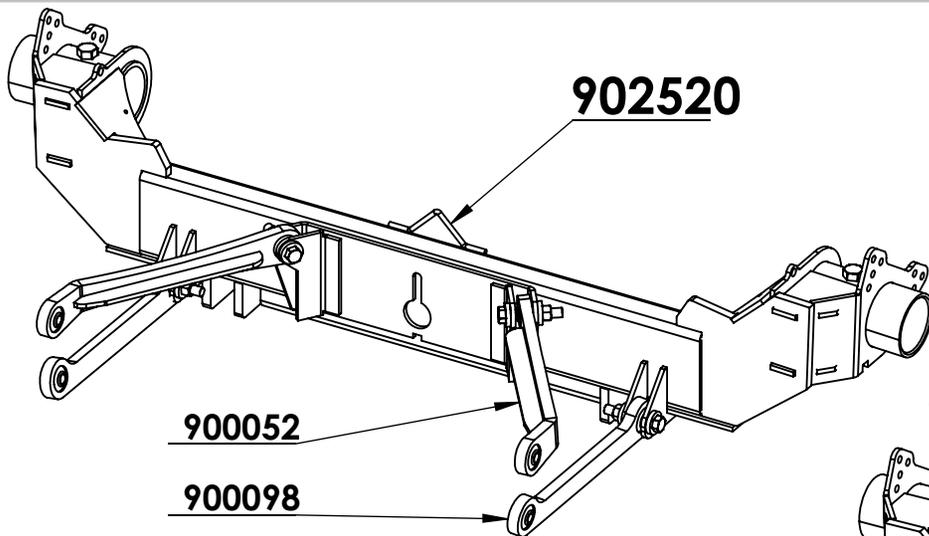
P/N	QTY	DESCRIPTION
91853	2	BRAKE CALIPER, CARLISLE A4
91859	2	BRAKE ROTOR DISC 5.00 / 19.00 OD / 26-32 RIM
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900126	2	HUB & SPINDLE 5" /20,000 LBS /10BOLT /13.18"BC /13.81 /BRAKE
900708	2	HC 5 X 14 1 1/4" BAL SOC



NUT 1.25 TOP LOCK GR C ZP
BOLT 1.25" x 8.00" - UNC 7 GR8 PLAIN



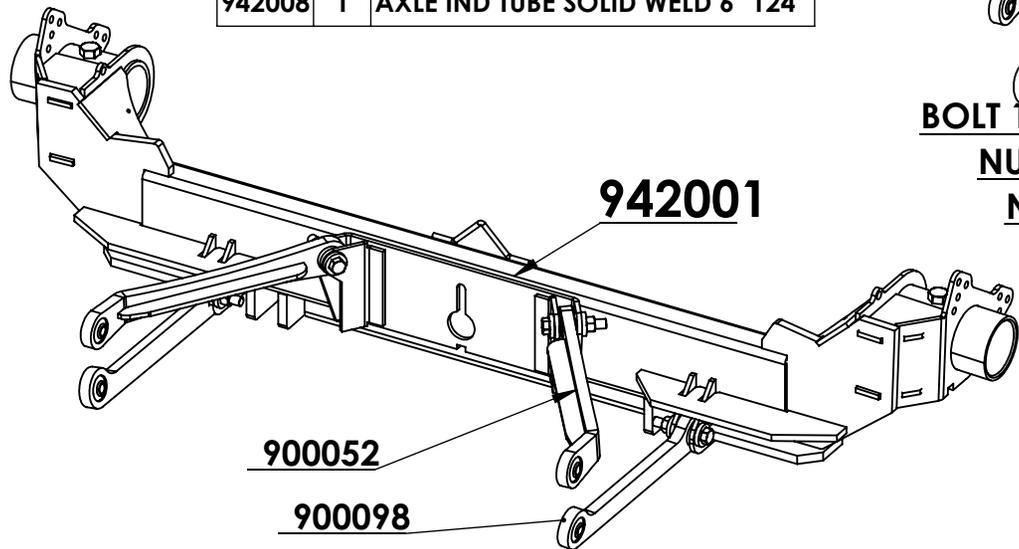
UNIVERSAL AXLE ASSEMBLIES 5" HUBS WITH BRAKES AND 5" HUBS



120"

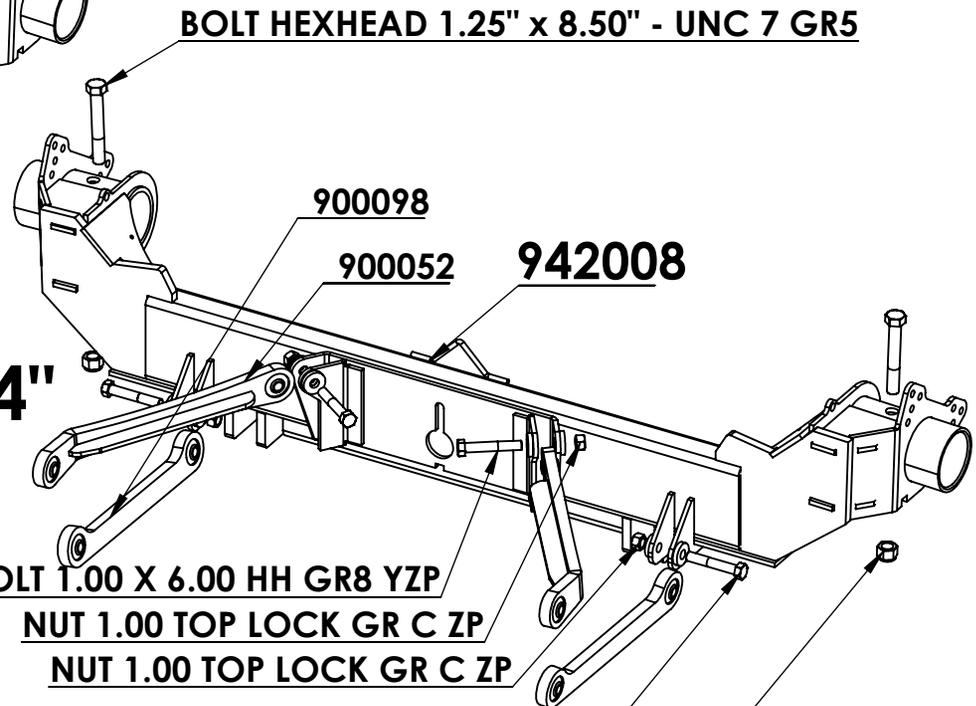
P/N	QTY	DESCRIPTION
902520	1	AXLE IND TUBE SOLID WELD 6" 60"
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD

P/N	QTY	DESCRIPTION
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
942008	1	AXLE IND TUBE SOLID WELD 6" 124"



124"

BOLT HEXHEAD 1.25" x 8.50" - UNC 7 GR5
BOLT 1.00 X 6.00 HH GR8 YZP
NUT 1.00 TOP LOCK GR C ZP
NUT 1.00 TOP LOCK GR C ZP
BOLT 1.00 X 6.00 HH GR8 YZP
NUT 1.25 TOP LOCK GR C ZP

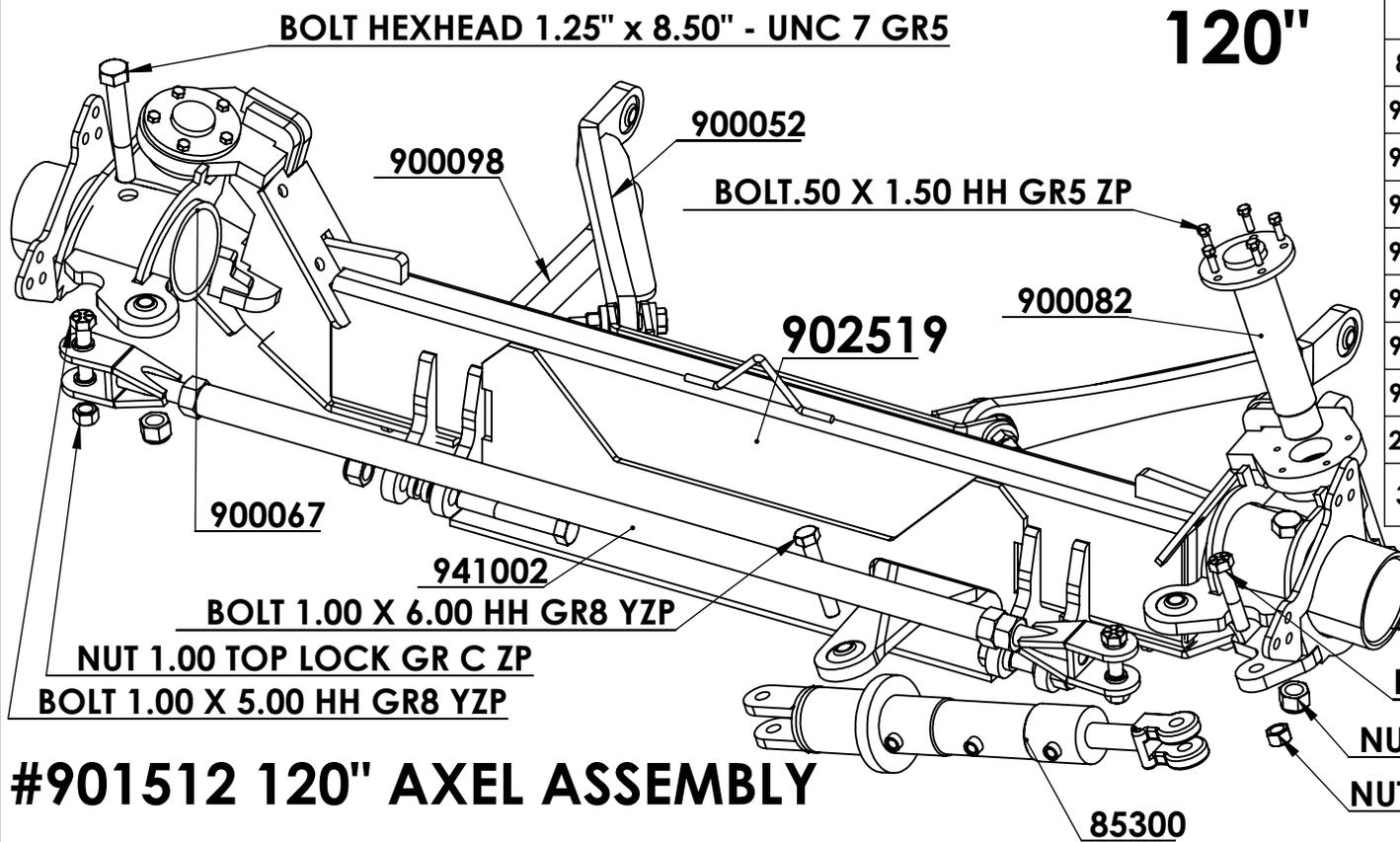


130"

P/N	QTY	DESCRIPTION
900052	2	AXLE DRAG LINK UPPER BAR WELD
900098	2	AXLE DRAG LINK LOWER BAR WELD
942001	1	AXLE IND TUBE SOLID WELD 6" 130"



**NON-STEERING AXLE ASSEMBLIES
for 6" HUBS**



BOLT HEXHEAD 1.25" x 8.50" - UNC 7 GR5

120"

BOLT .50 X 1.50 HH GR5 ZP

900067

941002

BOLT 1.00 X 6.00 HH GR8 YZP

NUT 1.00 TOP LOCK GR C ZP

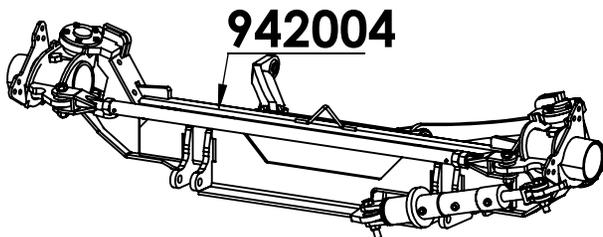
BOLT 1.00 X 5.00 HH GR8 YZP

P/N	QTY	DESCRIPTION
85300	1	CLYINDER, STEERING 3000 PSI
900052	2	AXLE DRAG LINK UPPER BAR WELD
900067	1	AXLE KING PIN RECEIVER LH 6
900068	1	AXLE KING PIN RECEIVER RH 6
900082	2	AXLE KING PIN BOLT
900098	2	AXLE DRAG LINK LOWER BAR WELD
902519	1	AXLE IND. TUBE STEER WELD 60"
941002	1	AXLE TIE ROD ASSEMBLY
204205	4	PIPE 1.75 X .23 DOM X .50" LG
33875	2	BOLT 1.25" x 8.00" - UNC 7 GR8 PLAIN

#901512 120" AXEL ASSEMBLY

P/N	QTY	DESCRIPTION
942004	1	AXLE TUBE INT STEER WELD 124"

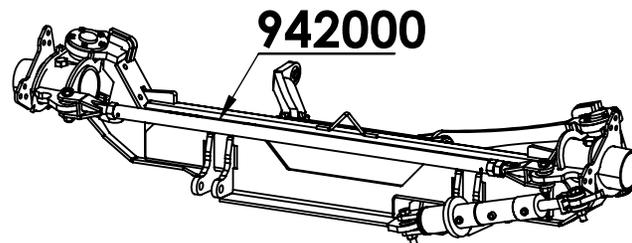
124"



#940004 124" AXEL ASSEMBLY

P/N	QTY	DESCRIPTION
942000	1	AXLE TUBE INT STEER WELD 130"

130"



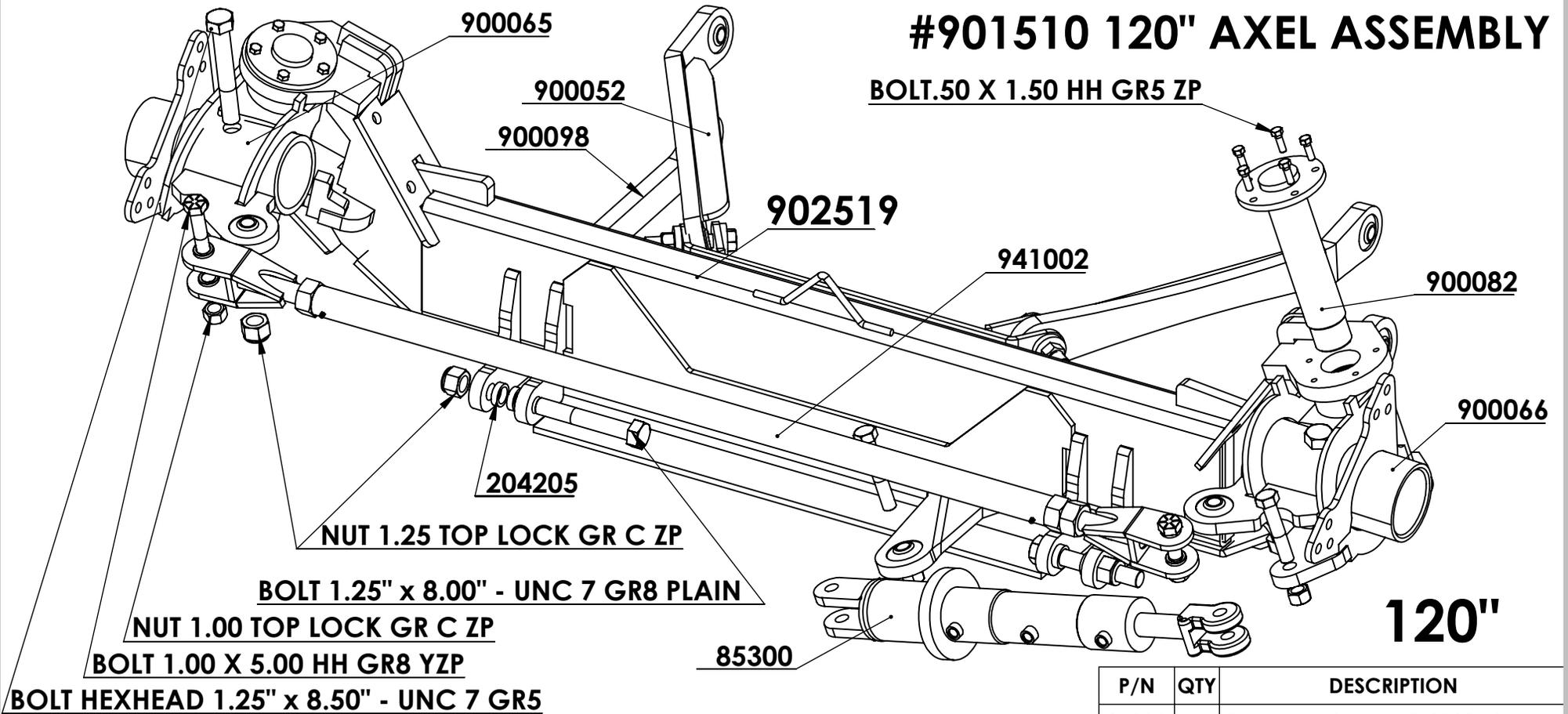
#940000 130" AXEL ASSEMBLY



**STEERING AXLE ASSEMBLIES
for 6" HUBS**

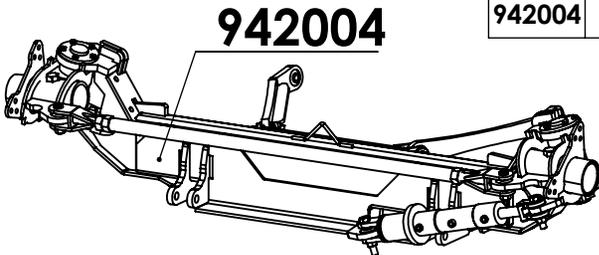
#901510 120" AXEL ASSEMBLY

BOLT.50 X 1.50 HH GR5 ZP



P/N	QTY	DESCRIPTION
942004	1	AXLE TUBE INT STEER WELD 124"

P/N	QTY	DESCRIPTION
85300	1	CLYINDER, STEERING 3000 PSI
204205	4	PIPE 1.75 X .23 DOM X .50" LG
900052	2	AXLE DRAG LINK UPPER BAR WELD
900065	1	AXLE KING PIN RECEIVER LH 5
900066	1	AXLE KING PIN RECEIVER RH 5
900082	2	AXLE KING PIN BOLT
900098	2	AXLE DRAG LINK LOWER BAR WELD
902519	1	AXLE IND. TUBE STEER WELD 60"
941002	1	AXLE TIE ROD ASSEMBLY



124"

#940006 124" AXEL ASSEMBLY



STEERING AXLE ASSEMBLIES for 5" HUBS

BOLT.50 X 1.50 HH GR5 ZP

900082

900116

70123

70123

865045

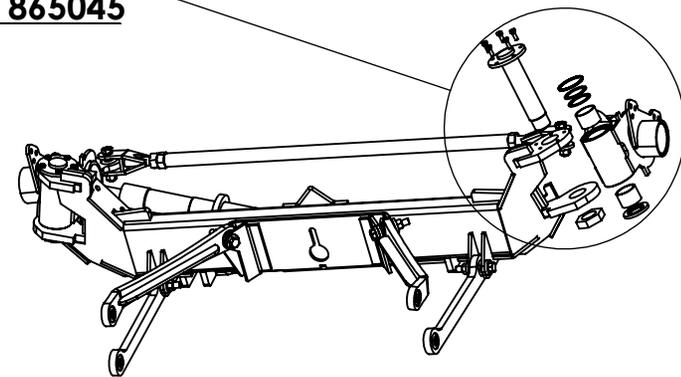
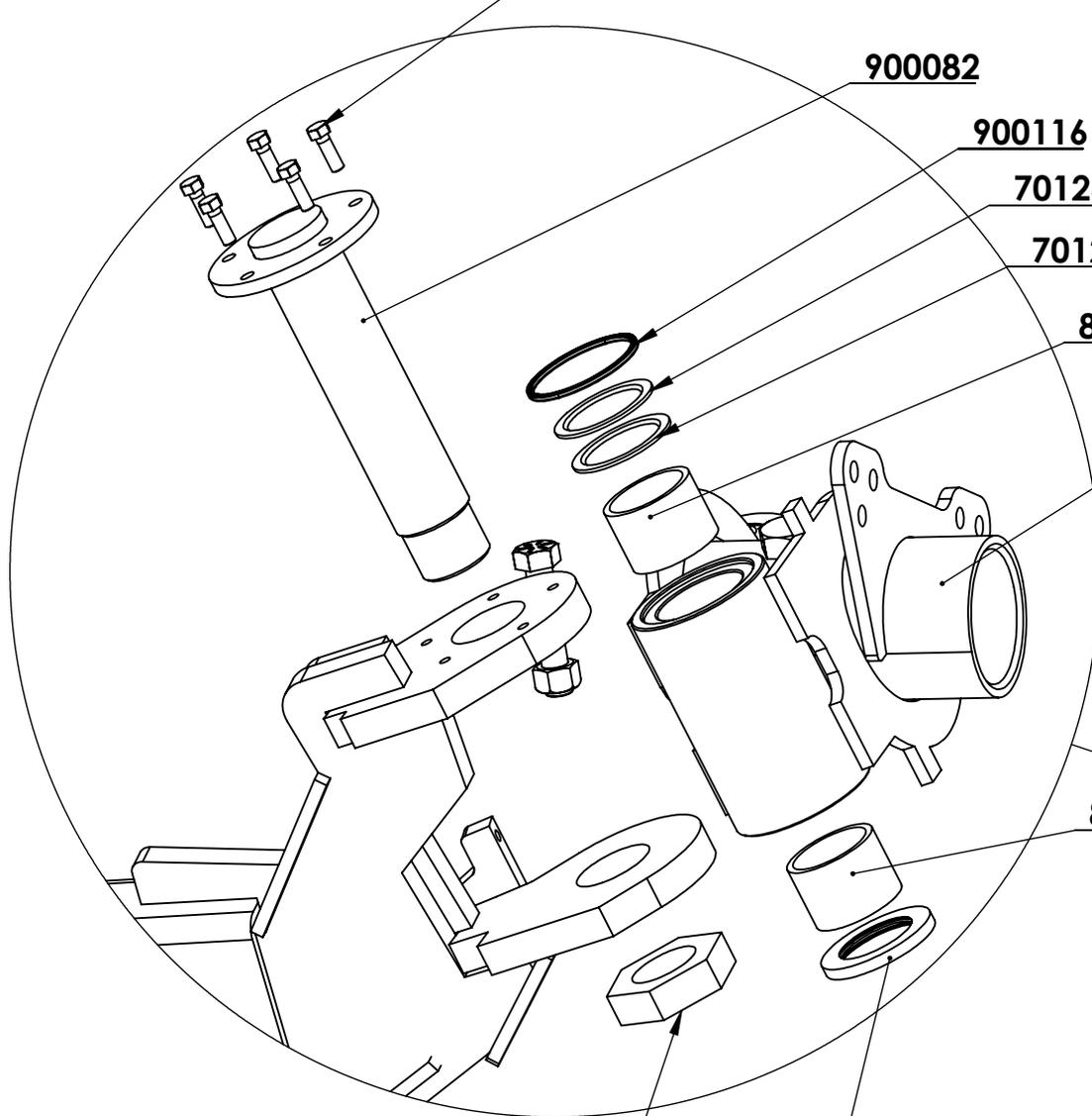
865045

900085

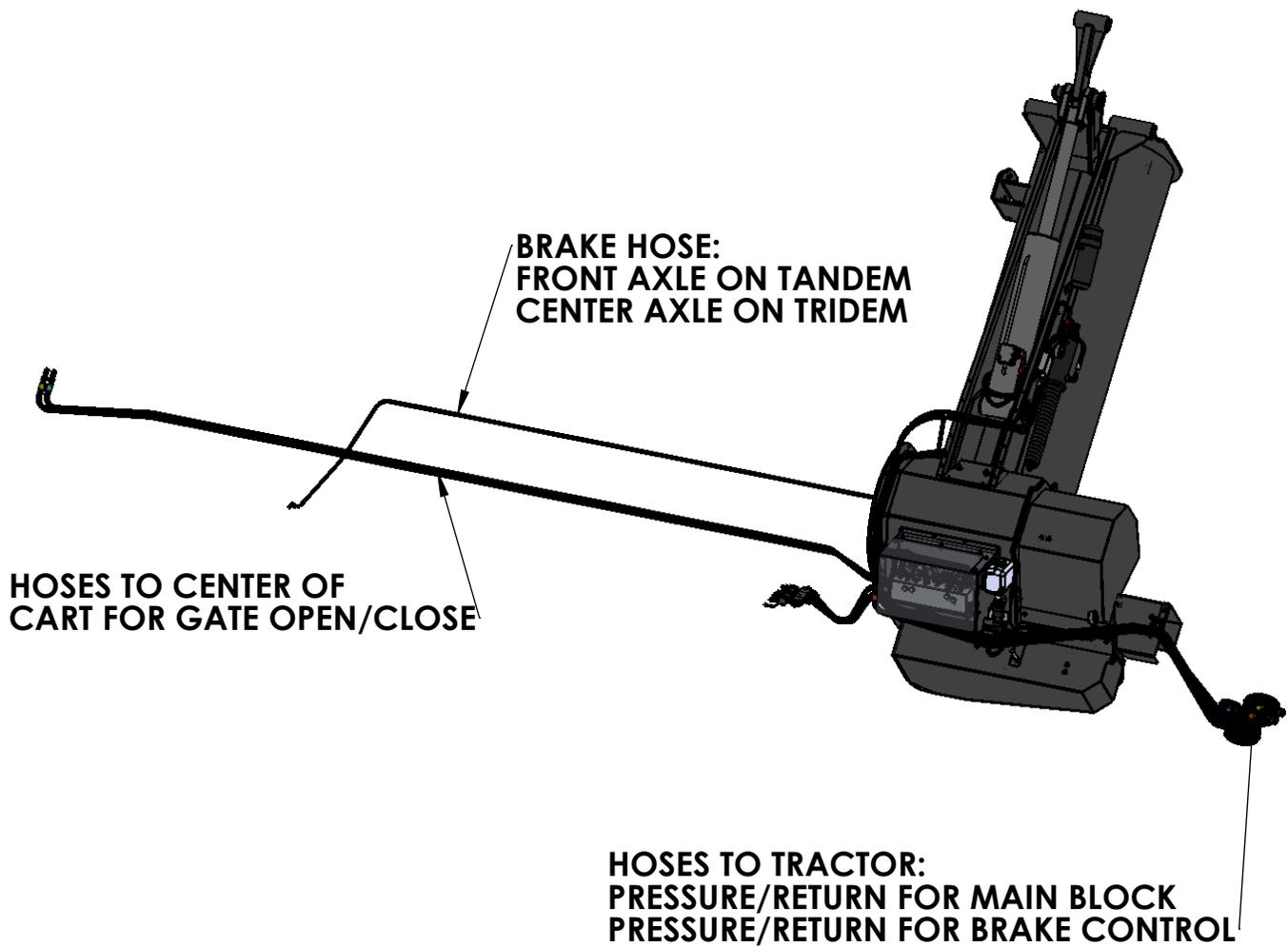
900117

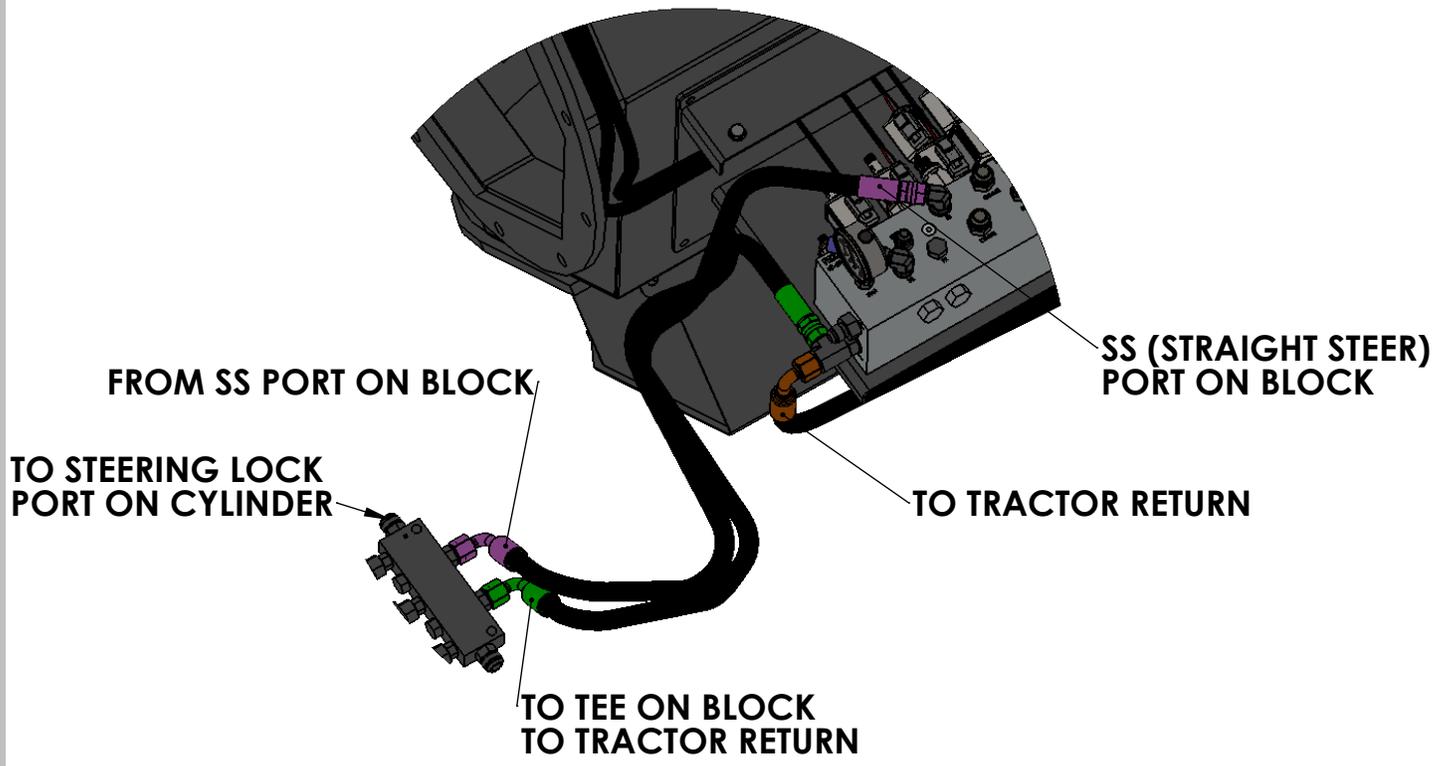
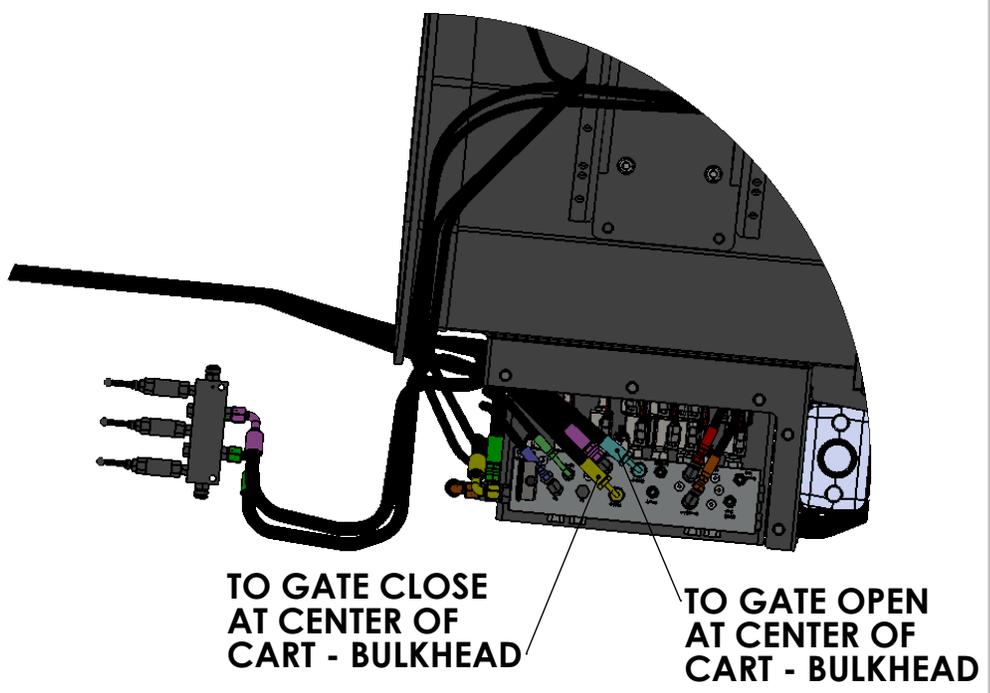
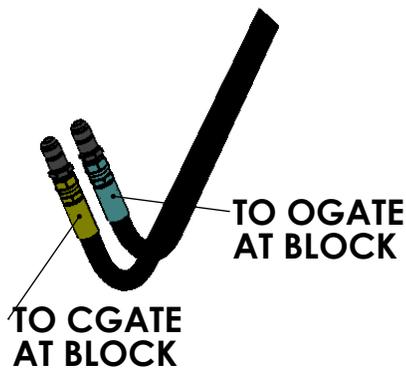
P/N	QTY	DESCRIPTION
70123	4	THRUST WASHER
865045	4	BUSHING POLYGON BM4571
900082	2	AXLE KING PIN BOLT
900085	2	NUT JAM 2.75" -12 UNF
900116	2	O-RING QUAD 4.12" OD x 0.21"TH -346
900117	2	SEAL 3.00" x4.50" x0.43" -TA BUNA
33488	2	BOLT 1.00 X 5.00 HH GR8 YZP
1779	2	NUT 1.00 TOP LOCK GR C ZP

- #900065 5" RECEIVER LH**
- #900066 5" RECEIVER RH**
- #900067 6" RECEIVER LH**
- #900068 6" RECEIVER RH**

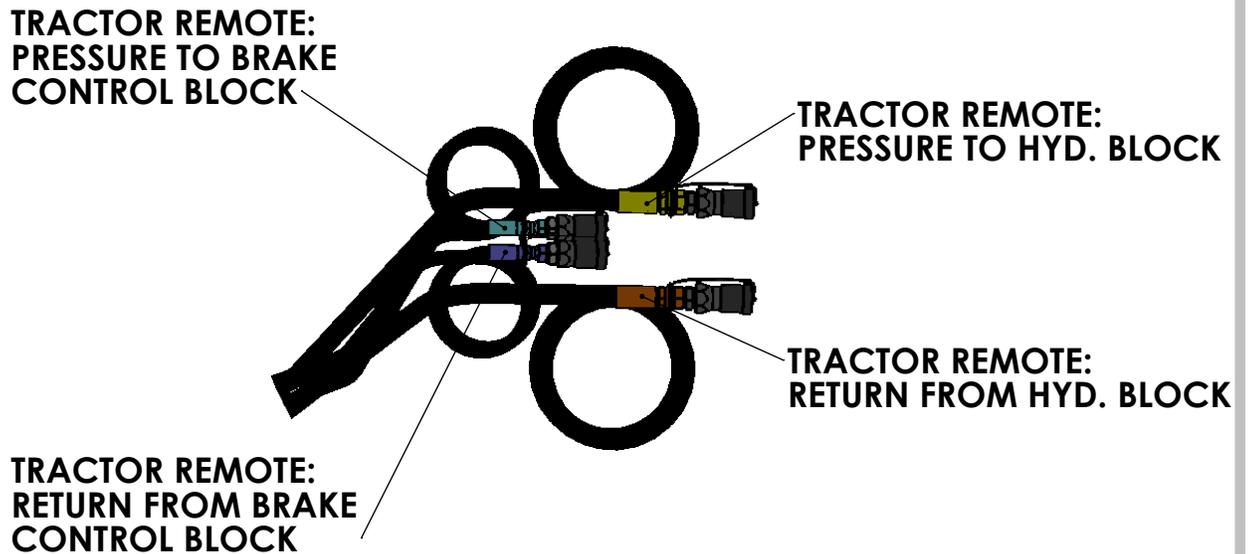
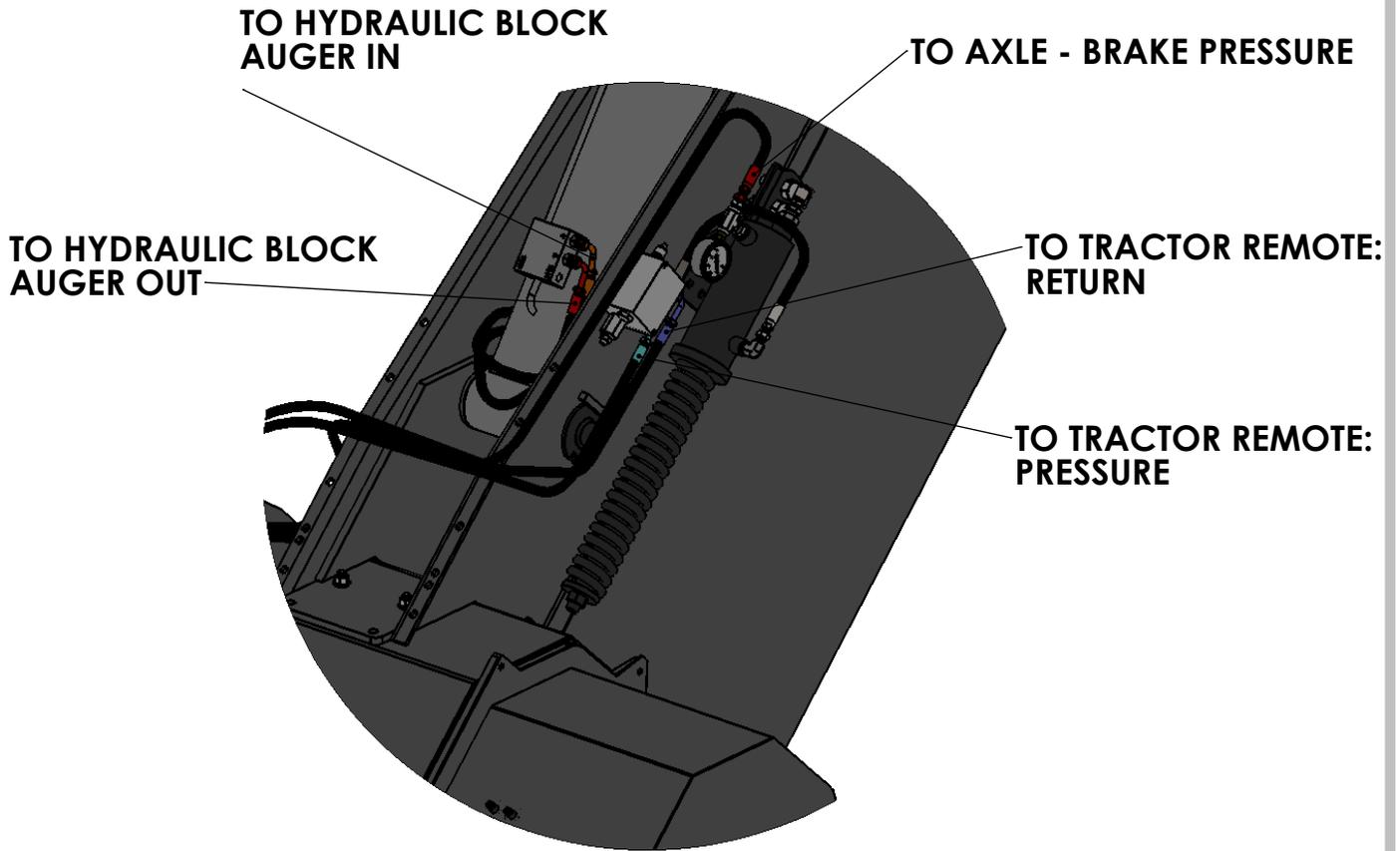


STEERING PARTS LIST for 5" & 6" HUBS





HYDRAULIC HOSE LOCATIONS



HYDRAULIC HOSE LOCATIONS