

XL78 - 2002 ROCKPICKER OWNER'S MANUAL

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Warranty

Highline New Agricultural Equipment Limited Warranty

Effective July 1, 2000 Two (2) Year / 24 Months

1st Year Parts and Labour – 2nd Year Parts Only

Highline Mfg. Inc (hereinafter "Highline") warrants each new Agricultural product of Highline's manufacturer to be free from defects in material and workmanship, under normal use and service for two (2) full years after initial purchase/retail sale. Highline will warrant its product for one (1) year parts and labour, if performed by a qualified Dealer and on the second year parts only. This Limited Warranty shall apply only to complete machines of Highline's manufacture, parts are covered by a separate Limited Warranty.

EQUIPMENT AND ACCESSORIES NOT OF HIGHLINE'S MANUFACTURE ARE WARRANTED ONLY TO THE EXTENT OF THE ORIGINAL MANUFACTURER'S WARRANTY AND SUBJECT TO THEIR ALLOWANCE TO HIGHLINE ONLY IF FOUND DEFECTIVE BY SUCH MANUFACTURER.

During the Limited Warranty period specified above, any defect in material or workmanship in any warranted item of Highline Agricultural Equipment not excluded below shall be repaired or replaced at Highline's option without charge by any authorized independent Highline Dealer. An authorized Dealer must make the warranty repair or replacement. Labour in accordance with Highline's labour reimbursement policy. Highline reserves the right to supply remanufactured replacement parts as it deems appropriate.

RETAIL PURCHASER RESPONSIBILITY: This Limited Warranty requires proper maintenance and periodic inspections of the Agricultural Equipment as indicated in the Operator's Manual furnished with each new Agricultural Equipment. The cost of routine or required maintenance and services is the responsibility of the retail purchaser. The retail purchaser is required to keep documented evidence that these services were performed. This Highline New Agricultural Equipment Limited Warranty may be subject to cancellation if the above requirements are not performed

EXCLUSIONS AND LIMITATIONS

The warranties contained herein shall **NOT APPLY TO:**

- (1) Any defect which was caused (in Highline's sole judgement) by other than normal use and service of the Agricultural Equipment, or by any of the following: (i) accident (ii) misuse or negligence (iii) overloading (iv) lack of reasonable and proper maintenance (v) improper repair or installation (vi) unsuitable storage (vii) non-Highline approved alteration or modification (viii) natural calamities (ix) vandalism (x) parts or accessories installed on Agricultural Equipment which were not manufactured or installed by Highline authorized Dealers (xi) the elements (xii) collision or other accident.
- (2) Any Agricultural Equipment whose identification numbers or marks have been altered or removed.
- (3) Any Agricultural Equipment which any of the required or recommended periodic inspection or services have been performed using parts not manufactured or supplied by Highline or meeting Highline Specifications including, but without limitation, lubricants (oil, grease), belt lacings, and hydraulic fluids.
- (4) Equipment used for rental, custom work, industrial and construction or if equipment is used for any other purpose than the intended agricultural application.
- (5) Any Agricultural Equipment used in demonstrations not performed by a Highline Dealer. Warranty will be at the discretion of Highline for all other demonstration warranty.
- (6) **New Agricultural Equipment delivered to the retail purchaser in which the warranty registration has not been completed and returned to Highline within ten (10) days from the date of purchase**
- (7) Any defect that was caused (in Highline's sole judgement) by operation of the Agricultural Equipment not abiding by standard operating procedures outlined in the Operator's Manual.
- (8) Tire Limited Warranties and support are the responsibility of the respective product's manufacturer.
- (9) Transportation costs, if any, of transporting to the Highline Dealer.
- (10) In no event shall Highline's liability exceed the purchase price of the product.
- (11) Highline shall not be liable to any person under any circumstances for any incidental or consequential damages (including but not limited to, loss of profits, out of service time and damage to equipment which this equipment may be attached) occurring for any reason at any time.
- (12) Diagnostic and overtime labour premiums are not covered under this Limited Warranty Policy.
- (13) Depreciation damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, and/or lack of proper protection during storage.
- (14) Accessory systems and electronics not of Highline's manufacture are warranted only to the extent of such manufacturer's respective Limited Warranty if any.
- (15) Wear items which are listed by product group below:

COMMON WEAR ITEMS: roller chain, sprockets, clutches, shear bolts, clutch components, chains, gearbox housings bolts/torqued parts, flails, feed roller belting, coupler chain, DRV couplers, bogie wheels, apron tines and hoses.

PARTS WARRANTY

Parts replaced in the warranty period will receive the balance of the two year New Agricultural Equipment Limited Warranty. Replacement parts after the original machine warranty are warranted to be free from defects of material for ninety (90) days or the part will be repaired or replaced, without labour coverage for removal and reinstallation.

EXCLUSION OF WARRANTIES. UNLESS OTHERWISE REQUIRED BY LAW, AND EXCEPT FOR THE WARRANTIES EXPRESSLY AND SPECIFICALLY MADE HEREIN, HIGHLINE MAKES NO OTHER WARRANTIES, AND ANY POSSIBLE LIABILITY OF HIGHLINE HEREIN UNDER IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HIGHLINE RESERVES THE RIGHT TO MODIFY, ALTER AND IMPROVE ANY PRODUCT WITHOUT INCURRING ANY OBLIGATION TO REPLACE ANY PRODUCT PREVIOUSLY SOLD WITH SUCH MODIFICATION. NO PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY, OR TO ASSUME ANY ADDITIONAL OBLIGATION ON HIGHLINE'S BEHALF.

President's Message

The XL-78, a proven name in the rock-picking field, is manufactured by Highline Mfg. Inc. The XL-78 rock picker was designed to work in the most difficult of rock picking situations. A little time and effort spent in proper maintenance will ensure the performance and durability of your rock picker.

This Operator's Manual has been prepared to provide information necessary for the safe and efficient operation of your Rock Picker. In it, you will find safety procedures, maintenance routines, and detailed parts diagrams.

In order to maintain our high standards, changes or improvements are made from time to time. Highline Mfg. Inc. reserves the right to make changes and add improvements when practical to do so without incurring any obligation to make such changes on previously sold machines.

Should the need arise, this manual will assist you in acquiring replacement parts. If your dealer does not have the parts you need in stock, they will be happy to order them in for you. Feel free to contact Highline Mfg. Inc. or your local dealer if you need information that is not included in this manual.

Highline Mfg. Inc. thanks and congratulates you for selecting a XL-78 rock picker, as the machine for your rocking picking needs.

*Chuck Lepage, President
Highline Mfg. Inc.*

PO Box 307, Vonda, Saskatchewan, S0K 4N0

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Internet Address: <http://www.highlinemfg.com>

Safety Precautions

WORK SAFELY – FOLLOW THESE INSTRUCTIONS

CAREFUL OPERATION IS THE BEST INSURANCE AGAINST AN ACCIDENT!

- Always disengage PTO and hydraulic motors before dismounting tractor.
- Do not operate unless guards are in place.
- Keep yourself and others clear of rotating parts to prevent injury.
- Never allow anyone to stand near rock picker while dumping or picking rocks.
- Never attempt to manually remove rocks from tines while hydraulic motor is engaged.
- Lower transport locks before raising bucket. To remove transport locks, raise apron slightly and lower brackets. DO NOT lift bucket when transport locks are in position otherwise sever damage WILL occur.
- Relieve pressure in hydraulic lines before disconnecting lines or performing maintenance on the hydraulic system.

1.0 Introduction & Pre-Delivery

1.1 General Description of XL-78 Rock Picker

The XL-78 rock picker covers a width of 84" and has a dumping height of 90". One set of hydraulic lines are required for dumping and lowering the picker's collecting apron. The rock picker is hydraulically driven, however, the reel may be reversed if the rock picker becomes plugged.

1.2 Pre-Delivery Check List

The following is a list of parts required if the XL-78 rock picker has not been assembled prior to delivery. If any parts are not included, contact your authorized Highline dealer or **Highline Mfg. Inc.**

Qty.	Description	Part Number
1	XL78 ROCKPICKER	
2	TIRE ASSY, 21 IN, 10 PLY	33036
2	AXLE ASSEMBLY	70601
8	BOLT, HEX, 3/4" X 2-1/2", UNC, GR5	31040
8	NUT, NYLOCK, 3/4", UNC	31175
8	WASHER, LOCK, 3/4", PLATED	31246

2.0 Operating Instructions

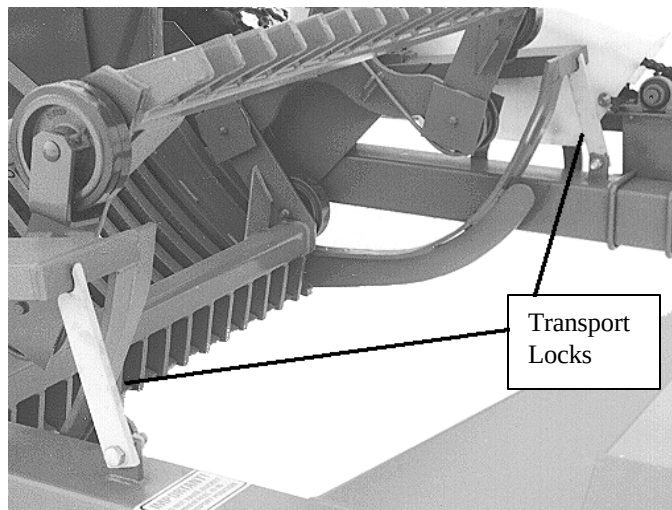
2.1 Field Preparation

Field preparation plays a major role in the picking performance of the XL-78. For best picking conditions, the field should be cultivated prior to picking. This operation brings stones to the surface and buries field residue.

2.2 Pre-Start Instructions

Transport locks need to be lowered before operation. To lower transport locks, raise apron slightly and lower transport locks towards the front of the machine. DO NOT lower apron when transport locks are in position otherwise severe damage WILL occur.

Figure 1 - Locks in Transport Position

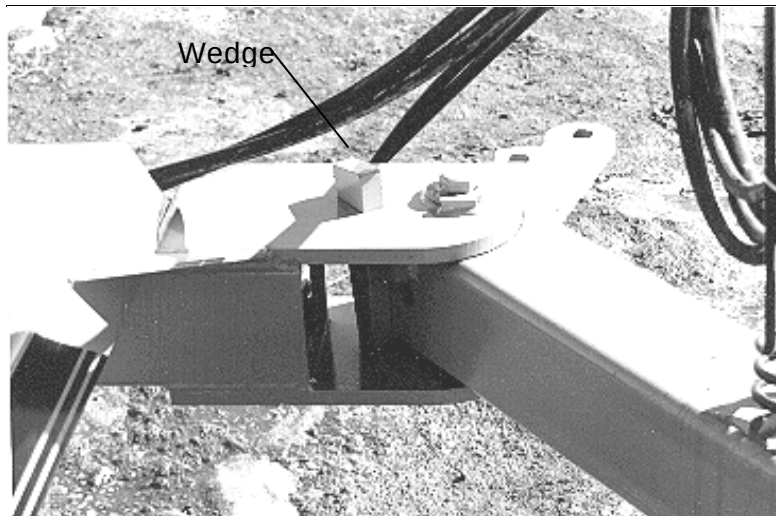


2.3 Transporting Instructions

To ensure safe transport of the XL-78 rock picker, the transport locks and reel should be raised to prevent the apron from dragging. To put transport locks in place, raise the apron until the transport locks catch on the reel frame. To lower transport locks, raise apron until locks are free and turn them forward.

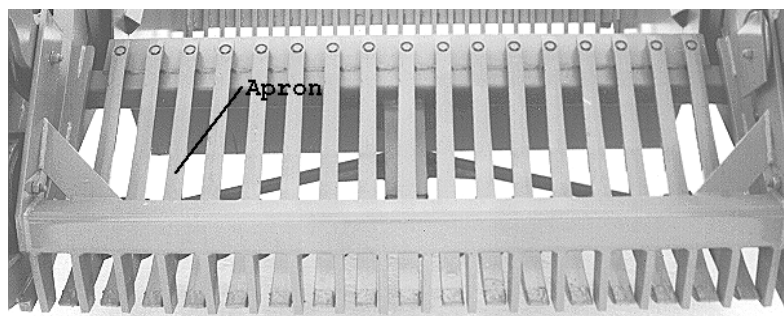
For road transport, the hitch may be turned to reduce the travel width of the rock picker. To change the position of the hitch, the wedge (Figure 2) is removed and the hitch is positioned for field or transport position. The wedge is then placed back into position and ready for field or transport.

*If hydraulic hitch is installed the wedge should still be used to prevent cylinder lug cracking/breakage. Remove wedge before moving hitch with hydraulic cylinder.

Figure 2 - Hitch Wedge

2.4 Apron Height Adjustment & Bucket Dumping

The apron (Figure 3) height is adjustable through the hydraulic cylinders. By retracting the cylinders completely, the apron will be at its highest picking level. The working height of the apron will depend upon the soil conditions and the size of rocks. By extending the cylinder, the apron will lower. Extending the cylinder more will raise the bucket into dumping position.

Figure 3 - Front View of Apron

2.5 Bucket Lock Valve

The Bucket Lock Valve is located at the rear left of the RockPicker. Moving the lock valve to the LOCKED position will prevent the bucket from falling when raised.

Always engage the Bucket Lock Valve before working under the raised bucket.

Fully disengage Lock Valve before operating RockPicker or damage may occur.

- Push valve in - LOCK POSITION
- Pull valve out - WORKING POSITION



2.6 Field Instructions

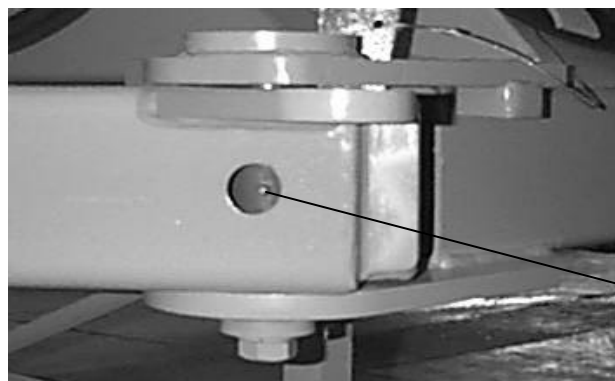
For proper operation, the XL-78 should run at a field speed of 3-4 mph (4.8-6.5 km/h) with the reel rotating at 35 rpm. When picking large rocks, field speed should be decreased to reduce possible damage due to large impacts. The operating height of the apron varies depending on the size of stones picked. For small stones, the apron should be as low as possible to the ground and be raised to a suitable level for larger stones.

3.0 Maintenance Instructions

- To ensure a long operating life of your XL-78 Rock Picker, follow this maintenance procedure.
- Ensure tire air pressure is maintained at 27 psi. If tire pressure is not maintained, severe tire damage may result.
- Check gearbox oil and add #90 gear oil if needed.
- Periodically check all bolts and set screws for tightness.
- Grease the following points as described:

3.1 Grease Locations

Figure 4 - Hitch Grease Location



GREASE NO.	DESCRIPTION	FREQUENCY
1	Hitch Pivot	Monthly

1

Figure 5 - Reel Greasing Location



GREASE NO.	DESCRIPTION	FREQUENCY
2	Reel Bearings	Yearly

2

Figure 6 - Apron and Tire Maintenance Locations



3

4

GREASE NO.	DESCRIPTION	FREQUENCY
3	Apron Pivot	Daily
4	Wheel Hub	4 Times/Year

Figure 7 - Dump Mechanism Grease Locations

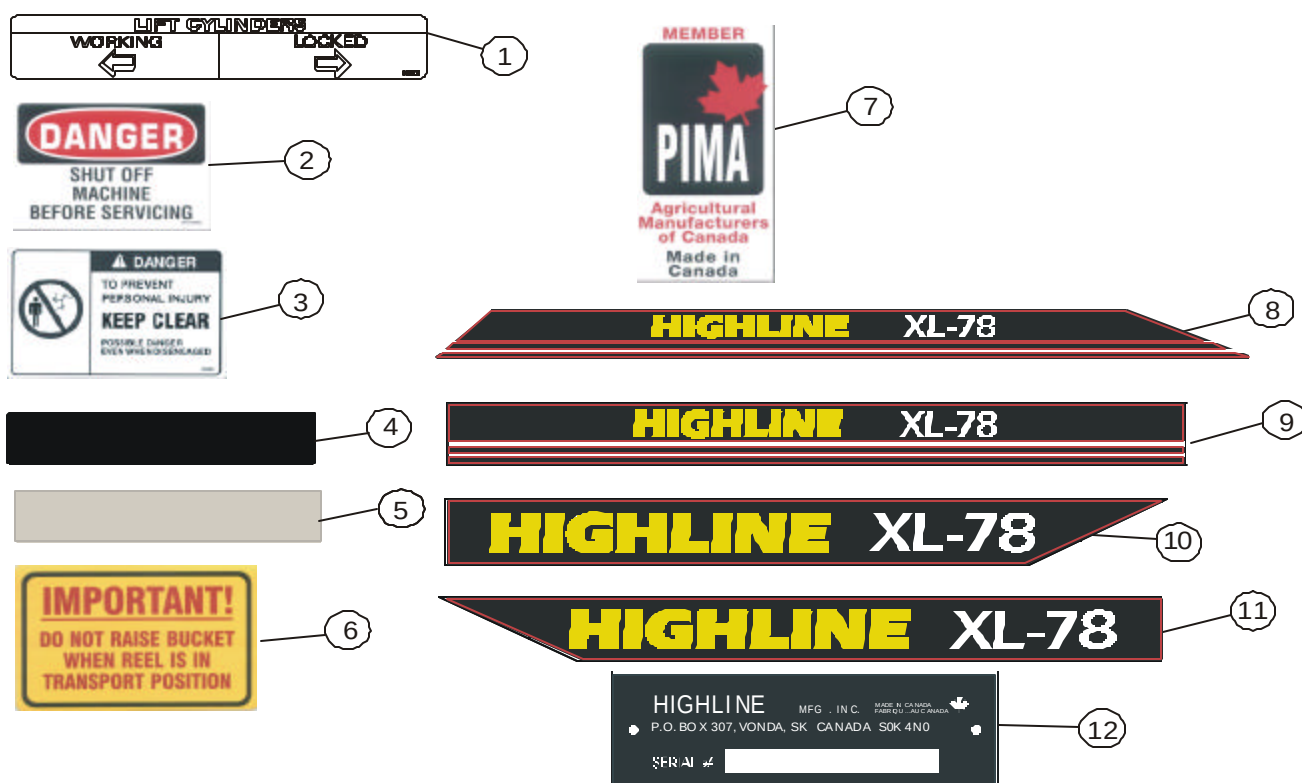


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GREASE NO.	DESCRIPTION	FREQUENCY
5	Front Bucket Pivot	Daily

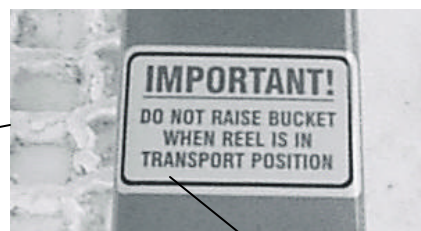
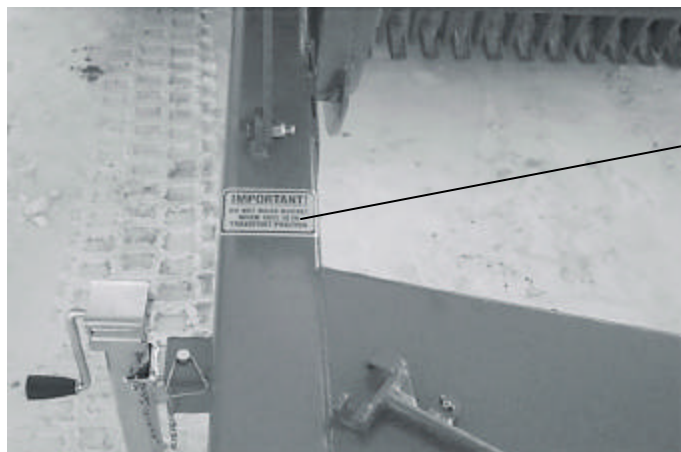
4.0 Decal Location and Placement (Part No. 70185)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E5073	DECAL,RP,CYLINDER	1
2	30135	DECAL,DANGER,SHUT OFF MACHINE	1
3	30285	DECAL,DANGER,TO PREVENT	2
4	30577	DECAL,RED REFL,2X9	2
5	30578	DECAL,AMBER REFL,2X9	2
6	32937	DECAL,WARNING,DO NOT RAISE	2
7	32981	DECAL,PIMA	1
8	92598	DECAL,HIGHLINE,XL78,FRONT	1
9	92599	DECAL,HIGHLINE,XL78,BACK	1
10	92600	DECAL,HIGHLINE,XL78,LEFT	1
11	92601	DECAL,HIGHLINE,XL78,RIGHT	1
12	30200	PLT,SERIAL #	1





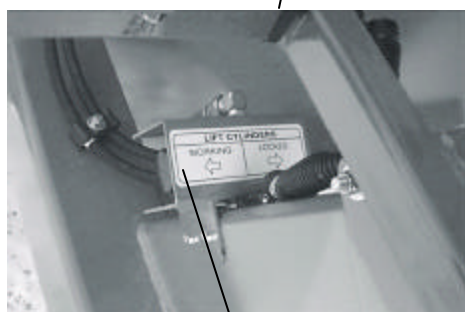
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7



8



9



10

11

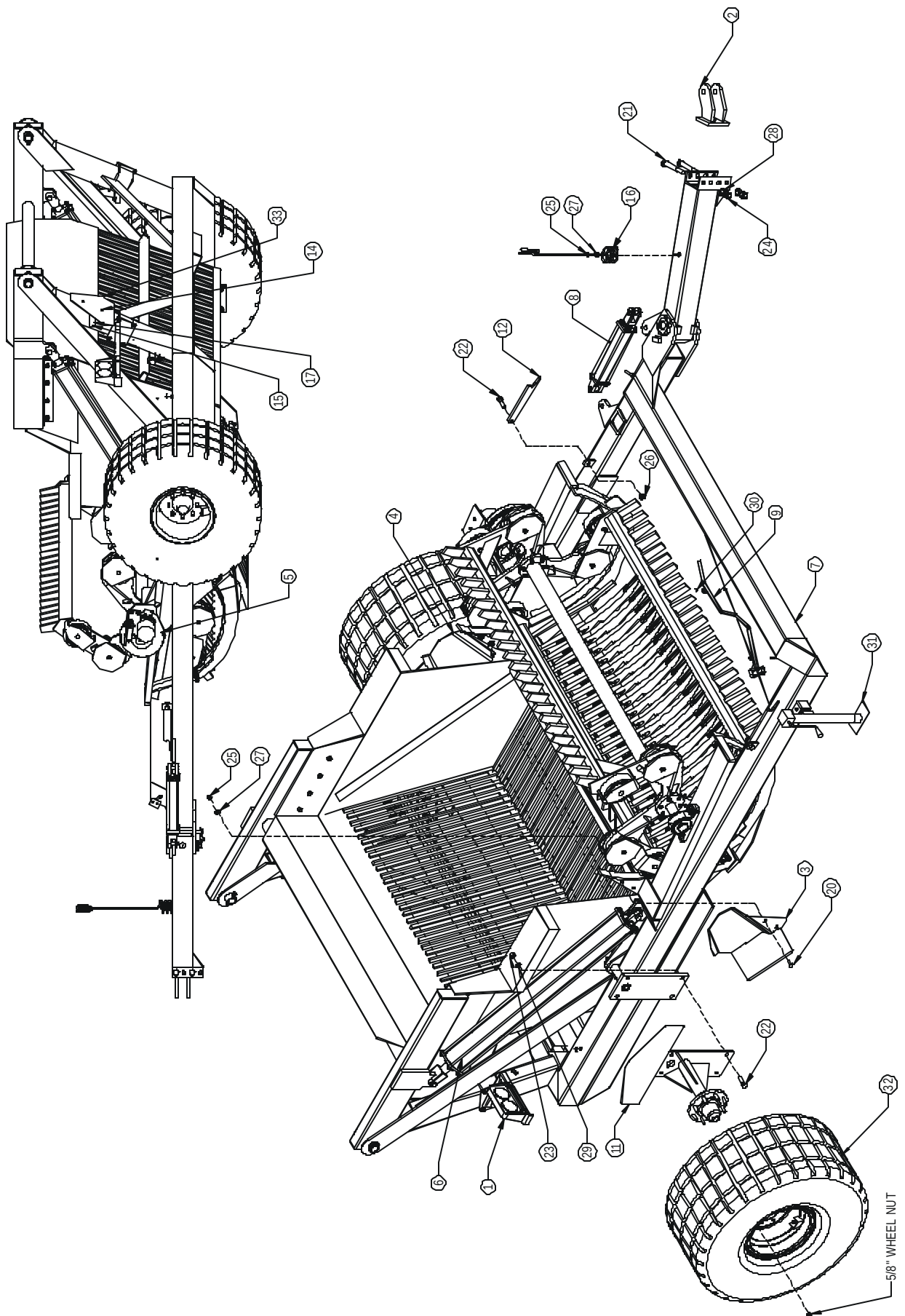
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5.0 Parts Information

5.1 Main Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	48106	KIT,LIGHT,XL78	1
2	70003	HITCH, CLEVIS,DOUBLE,ANGLE	1
3	70051	GUARD,CYL,DUMP ,RIGHT	1
4	70052	GUARD,CYL,DUMP,LEFT	1
5	70083	HYDRAULIC MOTOR ASSEMBLY	1
6	70102	HYD,CYL,ASSEMBLY, 7	1
7	70134	ASSEMBLY,PRE-PAINT,7	1
8	70178	XL,OPTION,SWING HITCH-2	1
9	70179	TOOL,ROCKPICKER	1
10	70185*	DECALS,HIGHLINE,XL78	1
11	70601	ASSY,AXLE,COMPLETE,78	2
12	E4638	PLT,LOCK,TRANSPORT	2
13	E6415*	MANUAL,HIGHLINE,XL78-2	1
14	30040	RIVET,ST,3/16x.815,.625 HEAD	2
15	30161	RIVET,ST,5/32x.665,.312 HEAD	2
16	30206	HYD,HOLDER,HOSE,1/2	1
17	30208	PLT,SERIAL#	1
20	31007	BOLT,CARR,1/2X1-1/2,UNC,GR2,ZP	4
21	31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	2
22	31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	10
23	31167	NUT,HEX,3/4,UNC,GR5,ZP	8
24	31172	NUT,NYLOCK,1,UNC,ZP	2
25	31173	NUT,NYLOCK,1/2,UNC,ZP	5
26	31175	NUT,NYLOCK,3/4,UNC,ZP	2
27	31236	WASHER,FLAT,1/2,ZP	5
28	31243	WASHER,LOCK,1,ZP	2
29	31246	WASHER,LOCK,3/4,ZP	8
30	31532	NUT,WING,1/4,UNC,ZP	2
31	31800	JACK,5000LBX15,SQ MNT,SIDEWIND	1
32	33036	WHEEL,21.5Lx16.1,+1.125,8,WH	2
33	92028	SIGN,SLOWMOVING,S276.5	1

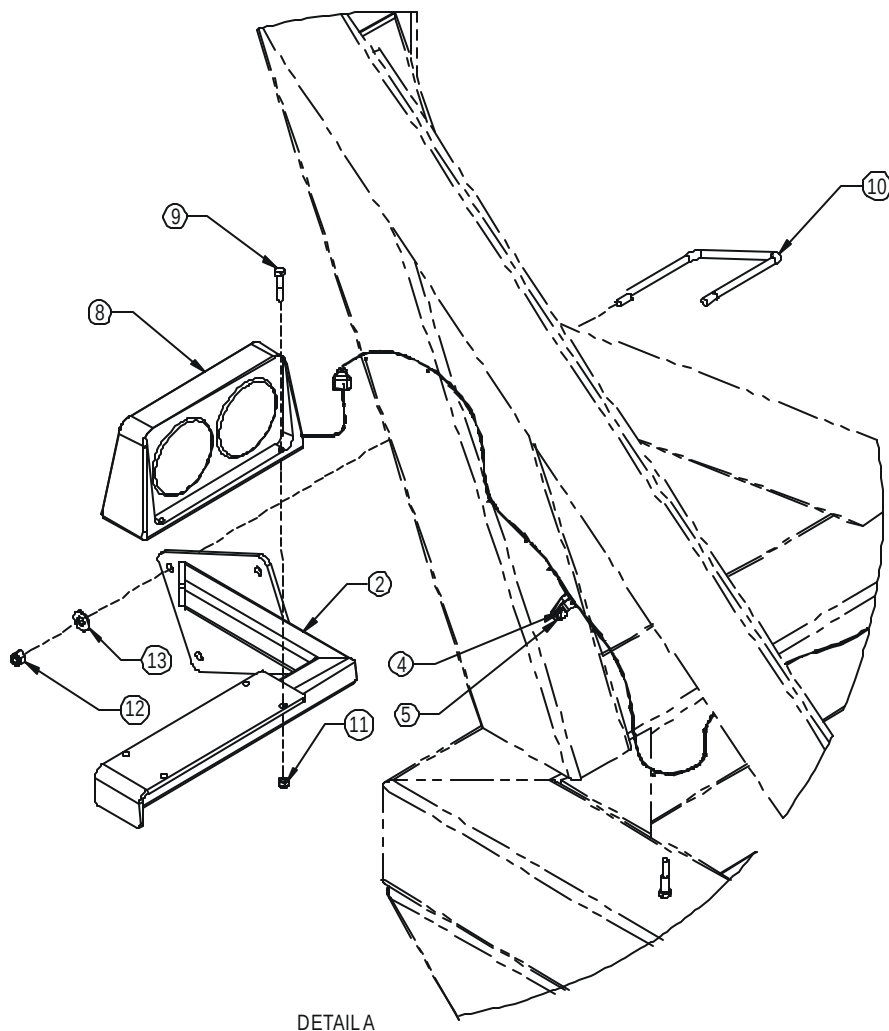
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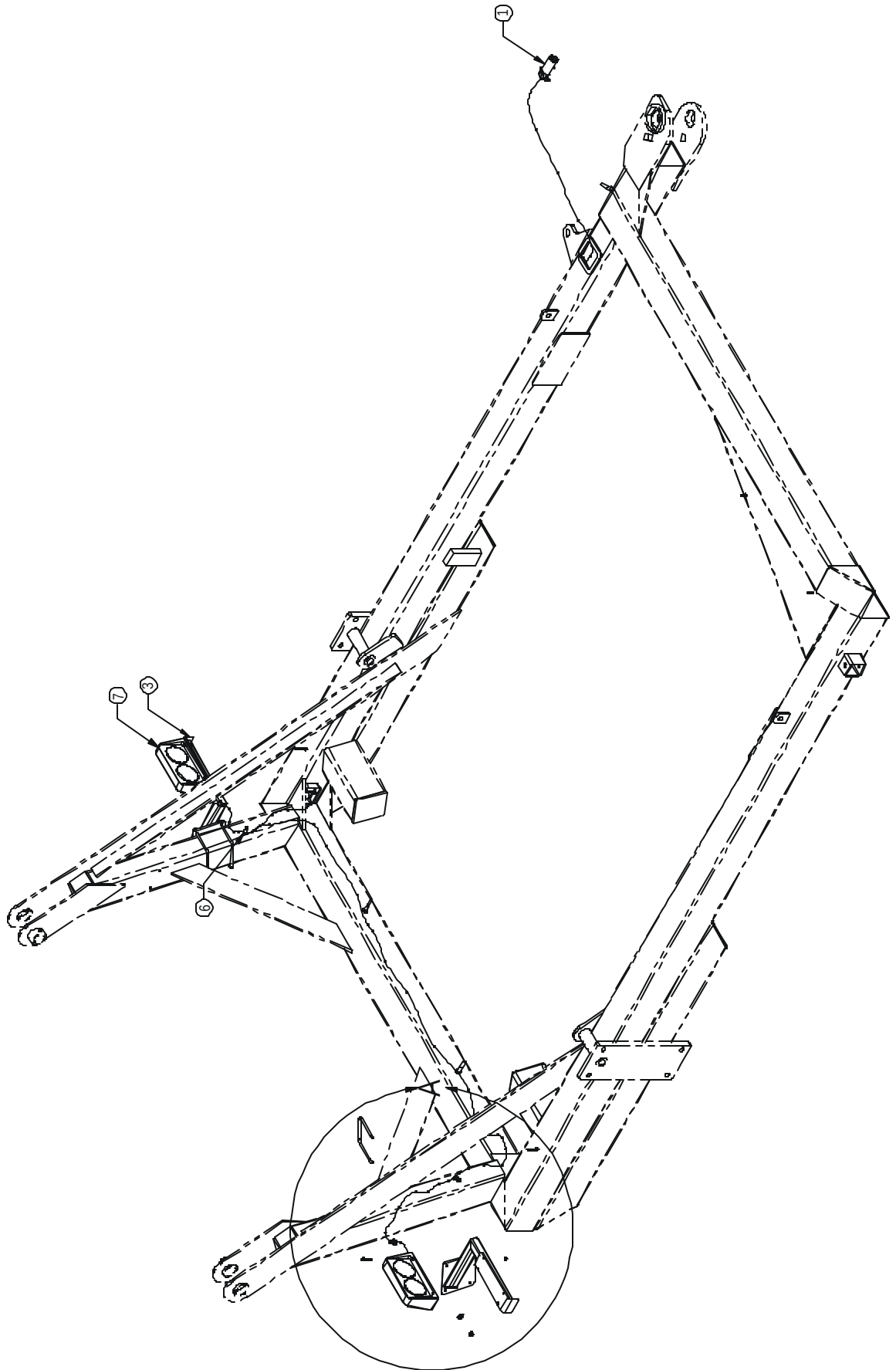


5.2 Light Kit Assembly (Part No. 48106)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	48105	ELEC,HARNESS,LIGHTS,XL78	1
2	48109	BRACKET,LIGHT,RIGHT,RP	1
3	48110	BRACKET,LIGHT,LEFT,RP	1
4	30294	SCREW,TEK,1/4X1	2
5	31649	ELEC,CLAMP,CABLE,1/2	1
6	31650	ELEC,CLAMP,CABLE,3/4	1
7	30526	ELEC,LIGHT,RED&AMBER,LEFT	1
8	30527	ELEC,LIGHT,RED&AMBER,RIGHT	1
9	31535	BOLT,HEX,1/4X1-1/2,UNC,GR5,ZP	8
10	31686	BOLT,U,SQ,3/8-16,6x5	4
11	31174	NUT,NYLOCK,1/4,UNC,ZP	8
12	31176	NUT,NYLOCK,3/8,UNC,ZP	8
13	31351	WASHER,FLAT,3/8,ZP	8
*14	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	12
*15	E3794	ELEC,LOOM,1/2,SPLIT,CORRUGATED	2

* NOT SHOWN

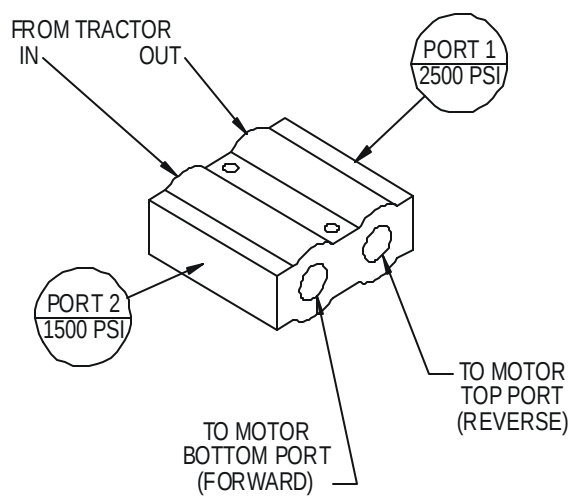




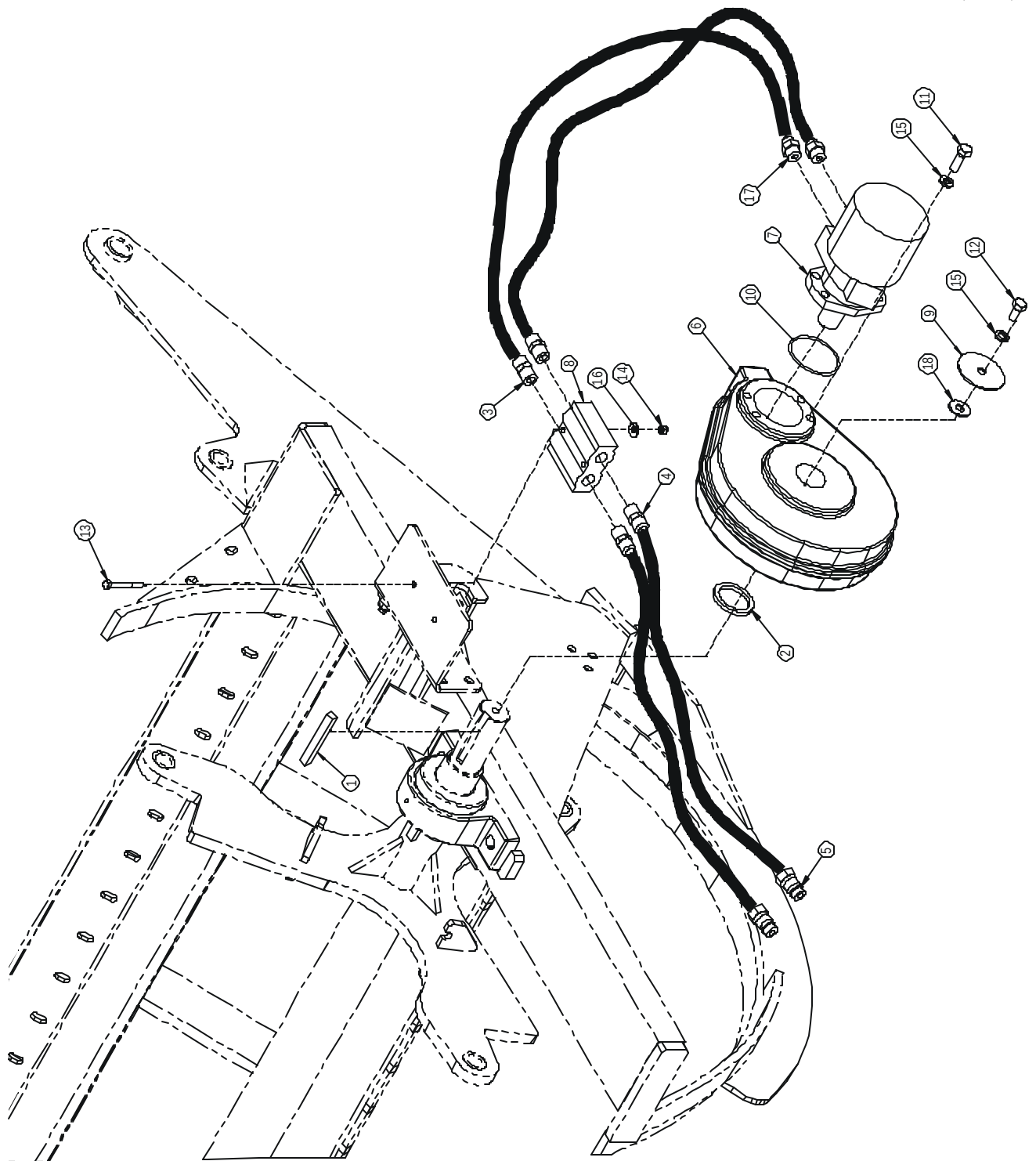
5.3 Hydraulic Motor Assembly (Part No. 70083)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E3045	KEY, SHAFT, DRIVE, REEL	1
2	E4571	PIPE, SMLS, 2-5/8x.281x1/4L	1
3	30586	HYD, HOSE, 1/2X20, 8FJX-8MP, 1W	2
4	31784	HYD, HOSE, 1/2X164, 8MP-8MP, 1W	2
5	30209	HYD, FIT, PIONEER, MALE, 8FP	2
6	32209	DRV, GEARBOX, COMPLETE, 590	1
7	32644	HYD, MOTOR, 18.3, 316RPM, 3000PSI	1
8*	32660	HYD, VALVE, CUSHION	1
9	32734	WASHER, FLAT, 3-1/8ODX1/2	1
10	32786	O-RING, #151	1
11	31016	BOLT, HEX, 1/2X1-1/2, UNC, GR5, ZP	4
12	31069	BOLT, HEX, 1/2X1, UNC, GR5, ZP	1
13	31048	BOLT, HEX, 5/16X2-1/2, UNC, GR5, ZP	2
14	31177	NUT, NYLOCK, 5/16, UNC, ZP	2
15	31244	WASHER, LOCK, 1/2, ZP	5
16	31239	WASHER, FLAT, 5/16, ZP	2
17	30204	HYD, FIT, ADAPTER, 10MB-8MJ	2
18	31236	WASHER, FLAT, 1/2, ZP	1

*Internal pressure relief set to 2500 psi forward, 1500 psi reverse

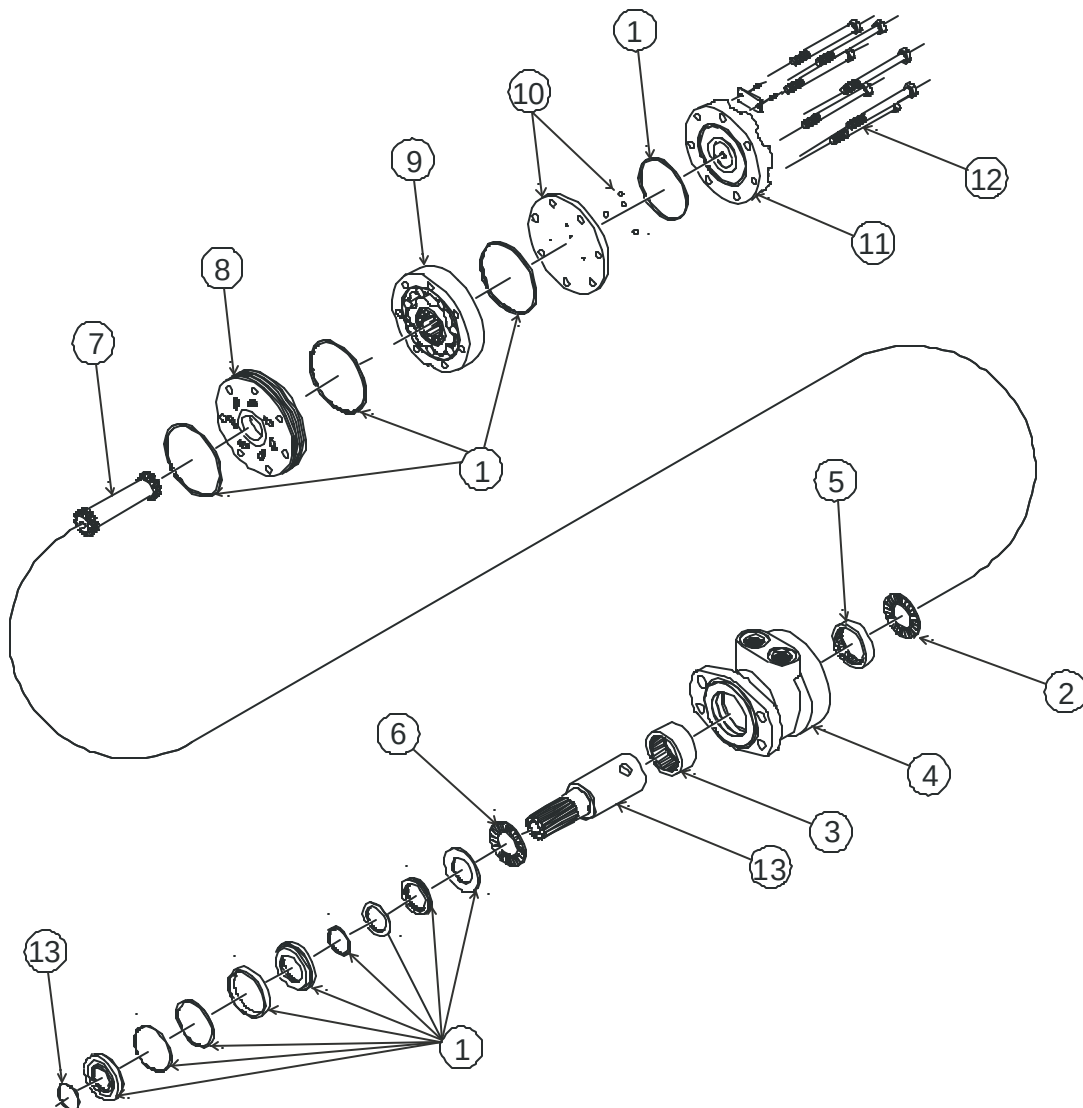


CUSHION VALVE ORIENTATION



5.3.1 Hydraulic Motor (Part No. 32644)

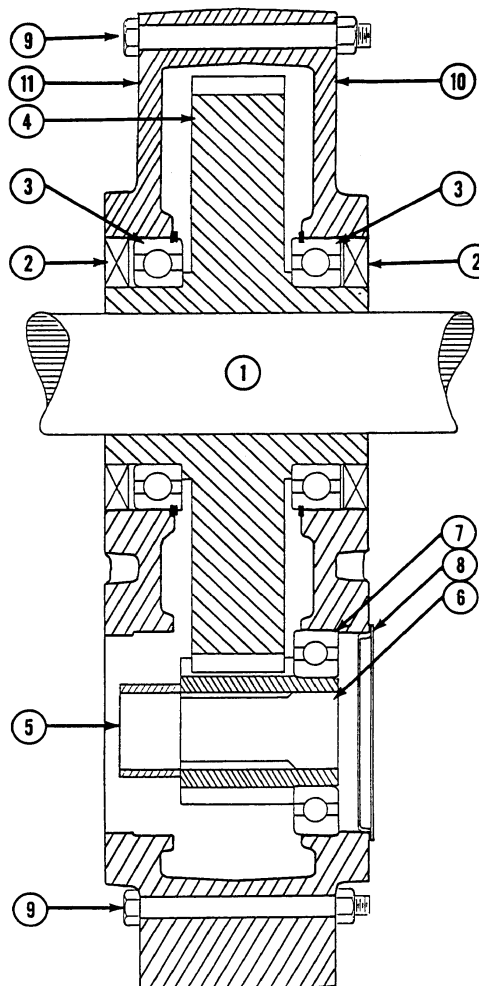
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32647	SEAL KIT,ROLLER STAT OR	1
2	32651	BEARING,THRUST,REAR	1
3	32720	BEARING,HOUSING,FRONT	1
4	33047	HOUSING KIT	1
5	32649	BEARING,HOUSING,REAR,1/2	1
6	32639	BEARING,THRUST,FRONT	1
7	33048	DRIVE LINK	1
8	32725	MANIFOLD	1
9	33049	ROTOR KIT	1
10	32726	BALANCE PLATE & BALLS	1
11	32727	END COVER	1
12	33050	BOLT KIT,18	1
13	32653	SHAFT KIT	1



5.3.2 590 Parallel Drive Gearbox (Part No. 32209)

ITEM	PART NO.	DESCRIPTION	QTY
1	70094	DRIVE ARM REEL	1
2	32210	SEAL	2
3	32211	BEARING	2
4	32216	GEAR	1
5	32214	SPACER	1
6	32215	PINION	1
7	32212	BRG	2
8	32213	COVER	1
9	31050	BOLT, HEX, 5/16X3, UNC, GR5, ZP	12
10	31177	NUT, NYLOCK, 5/16, UNC ZP	12
11	32218	SHELL-BACK-PLAIN	1
12	32217	SHELL-FRONT-W/OIL PLUGS	1
*13		INTERNAL KEY	1
*14	31308	VENT PLUG - 1/4 NPT	1
*15	33022	KEY, GEAR - 58T	1
*16	33065	SLEEVE 2" BORE	1
*17	33066	SNAP RING (5100-300)	1

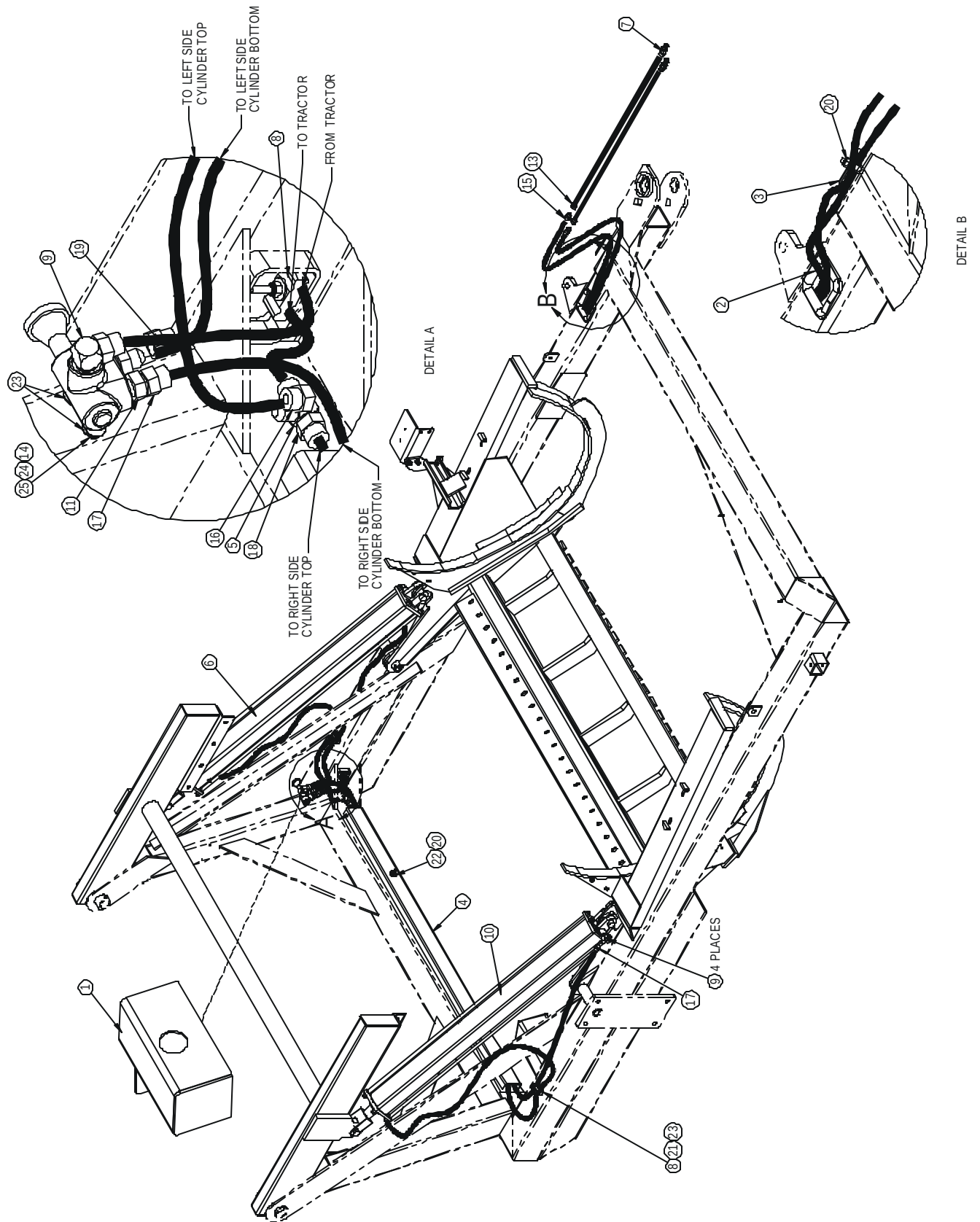
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5.4 Hydraulic Cylinder Assembly (Part No. 70102)

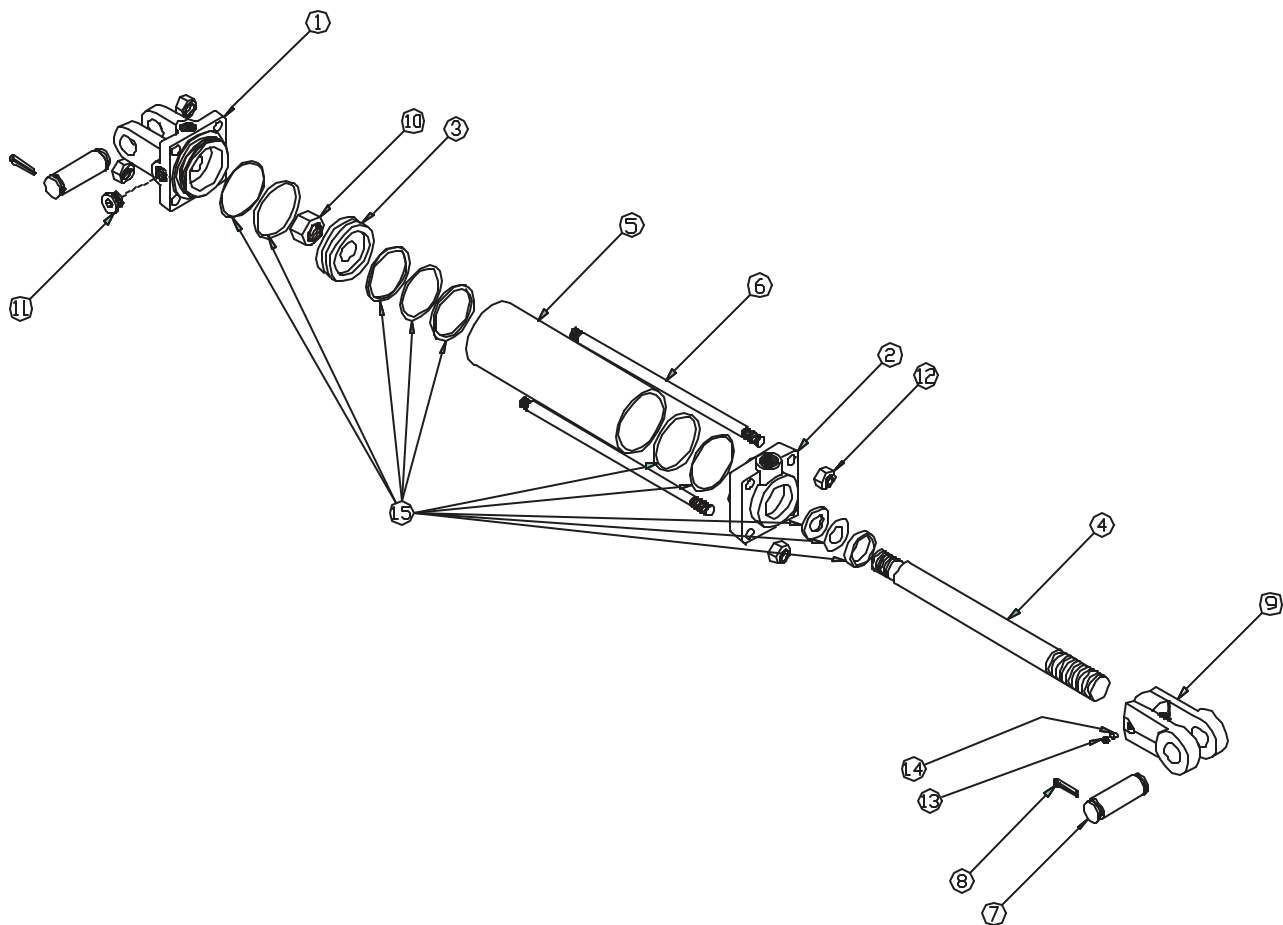
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70197	COVER,VALVE, SAFETY	1
2	E4247	ELEC,LOOM,SPLIT,3/4X18	1
3	E5553	CLAMP,HOSE,HYD	1
4	E5563	GUARD,LINE,HYDRAULIC	1
5	30151	HYD,FIT,TEE,8MJ	1
6	30160	HYD,CYL,4.5X42,2.0,3/4-16UNF ORB,LHS	1
7	30209	HYD,FIT,PIONEER,MALE,8FP	2
8	30210	HYD,CLAMP,HOSE,1/2	5
9	30211	HYD,FIT,ELBOW,8MB-8MJ90	5
10	30213	HYD,CYL,4.5X42,2.0,3/4-16UNF ORB,RHS	1
11	30215	HYD,FIT,ADAPTER,8MB-8MJ	2
12	30294*	SCREW,TEK,1/4X1	2
13	30159	HYD,HOSE,1/2x96,8MP-8MJ, 1W	2
14	31922	HYD,VALVE, SELECTOR,08,KNOB,RS	1
15	30139	HYD,HOSE,1/2x169,8FJX-8FJX,1W	2
16	32972	HYD,HOSE,3/8x66,8FJX-1W	1
17	31791	HYD,HOSE,3/8x142,8FJX-1W	1
18	31792	HYD,HOSE,3/8x139,8FJX-1W	1
19	32054	HYD,HOSE,3/8x54,8FJX-1W	1
20	31173	NUT,NYLOCK,1/2,UNC,ZP	3
21	31177	NUT,NYLOCK,5/16,UNC,ZP	3
22	31236	WASHER,FLAT,1/2,ZP	2
23	31239	WASHER,FLAT,5/16,ZP	5
24	31346	WASHER,LOCK,5/16,ZP	2
25	31533	BOLT,HEX,5/16X3/4,UNC,GR5,ZP	2

* NOT SHOWN



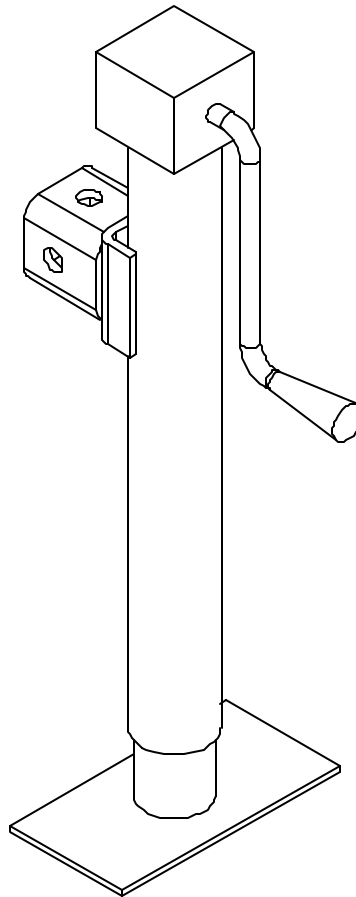
5.4.1 4-1/2x42 Cylinder (Part No. 30160 - LHS, 30213 - RHS)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30175	CAP,CLEVIS,4-1/2",3/4 ORB	1
2	30176	CAP,ROD,4-1/2" x 2",3/4 ORB	1
3	30177	PISTON,4 1/2" DIA,TC	1
4	30178	ROD,2" x 51 3/4"	1
5	30179	TUBE,CYL,4 1/2 x 51 9/16,TC	1
6	30180	ROD,TIE,5/8" x 51 9/16"	4
7	30181	PIN,1 1/4"DIA,H 2094	2
8	30182	COTTERPIN,3/16" x 1 1/4"	4
9	31796	HYD,CAP,CLEVIS,4 1/2 X 42,HARD	1
10	30192	NUT,HEX,1 1/4-12 UNF GRB	1
11	30193	FITTING,PLUG,3/4"-16 UNF, STR THD	1
12	30663	NUT,HEX,5/8" UNF GRADE 5	8
13	30239	SCREW,SET,SC KT,3/8 UNC X 1/2 KNURL	1
14	30261	LOCK,THREAD,NYLON	1
15	30338	HYD,CYL,SEALKIT,4-1/2,2" ROD	1



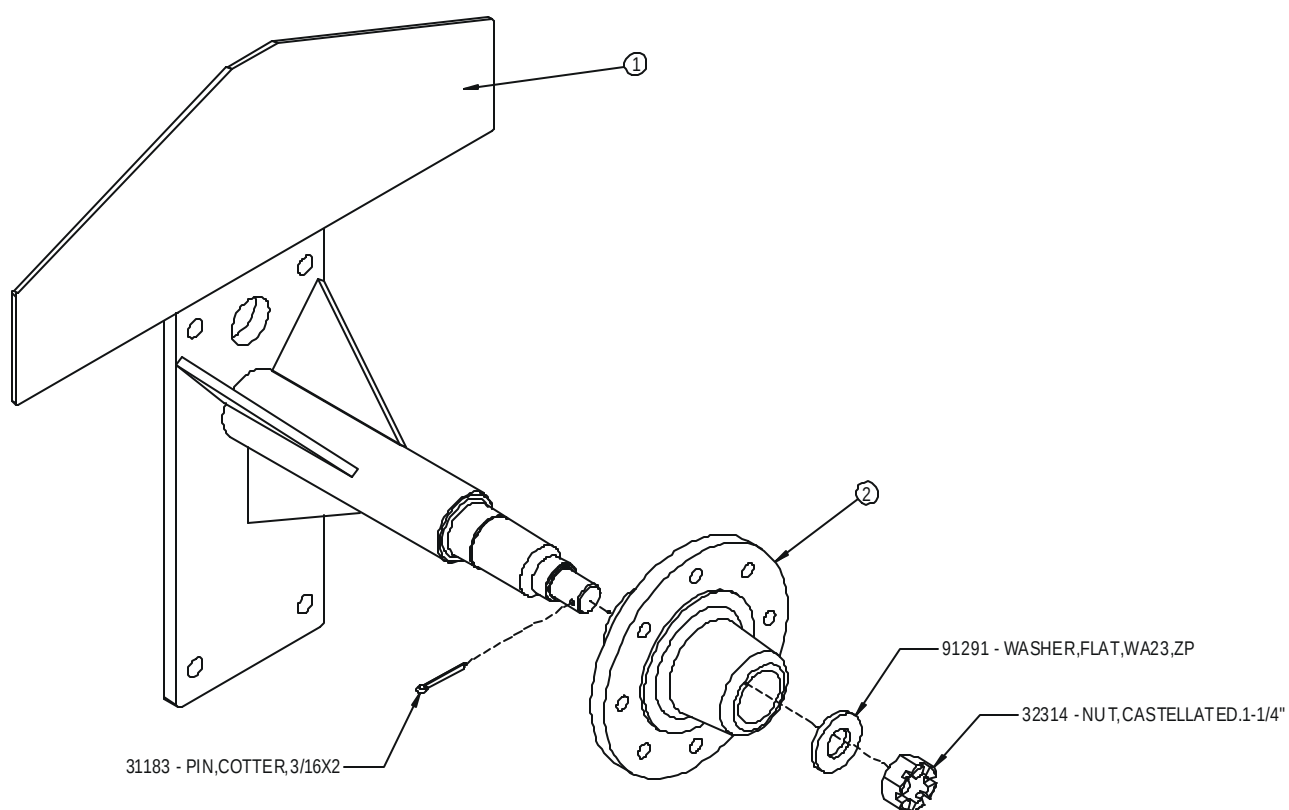
5.5 Jack Assembly (Part No. 31800)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31800	JACK,5000LBX15,SQ MNT,SIDEWIND	1
2	33438	KIT,PIN & CHAIN-5/8"X4.25"	1
3	33439	KIT,5K BEARING REPLACEMENT	1
4	33440	KIT,STD BEVEL GEAR REPLAC.	1
5	33441	KIT,SW CRN CRANK REPLAC.	1
6	33442	COVER,GEARBOX	1



5.6 Axle Assembly (Part No. 70601)

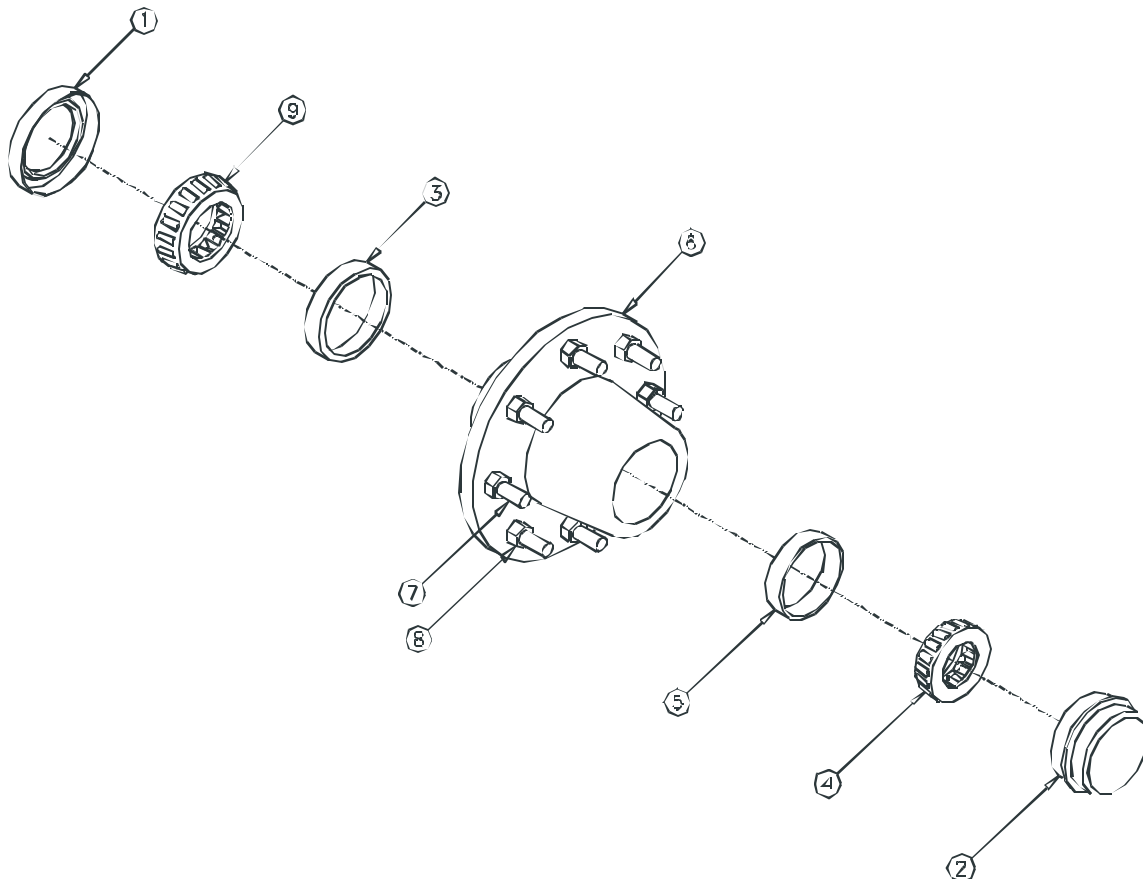
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70600	WLDT,AXLE,78	1
2	32327	SUSP,HUB,HA817-3,COMPLETE	1



5.6.1 H817 Hub (Part No. 32327)

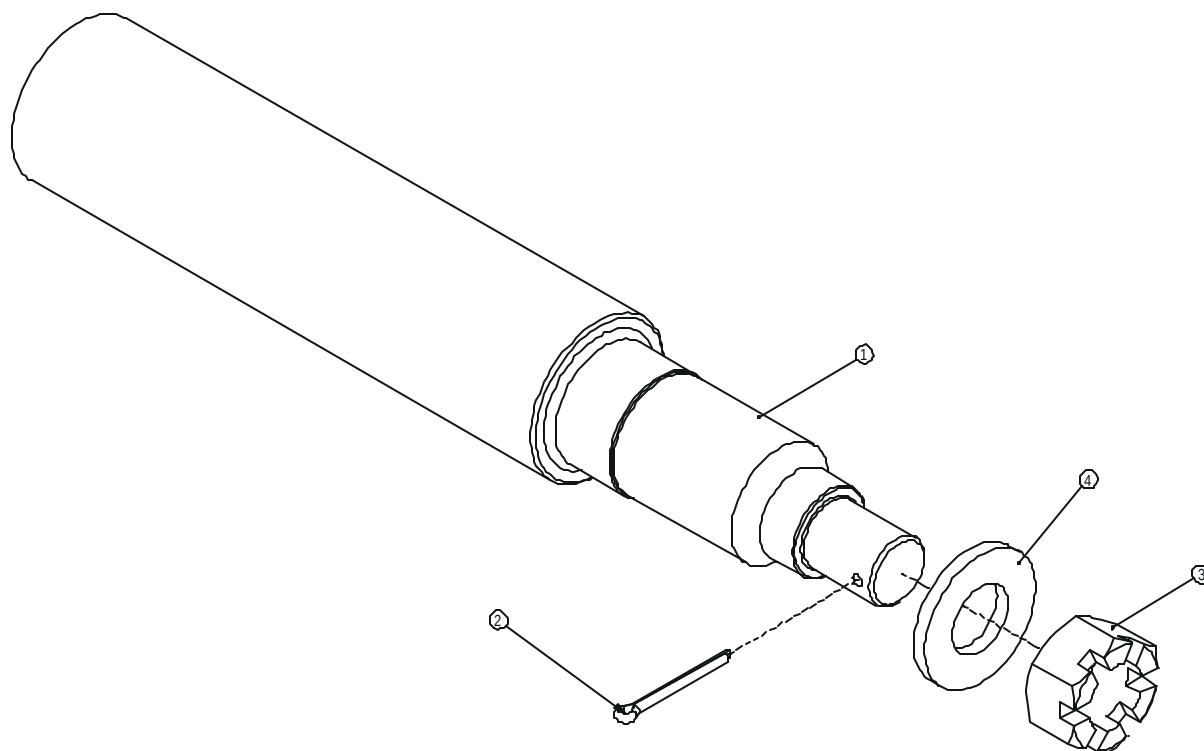
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32323	SUSP,SEAL,SE42 (CR 29952)	1
2	32313	SUSP,CAP,DUST,DC26	1
3	32322	SUSP,CUP,INNER,#301110 382A	1
4	32315	SUSP,BRG,OUTER,LM501349	1
5	32316	BRG,RACE,OUTER,LM501310	1
6	32318	SUSP,HUB,H817	1
7	32320	SUSP,STUD,WHEEL,5/8	8
8	32319	SUSP,NUT,WHEEL,5/8	8
9	32321	SUSP,BRG,387AS	1
*10	30207	ZERK,1/4-28,GF641,STRAIGHT	1

*Not Shown



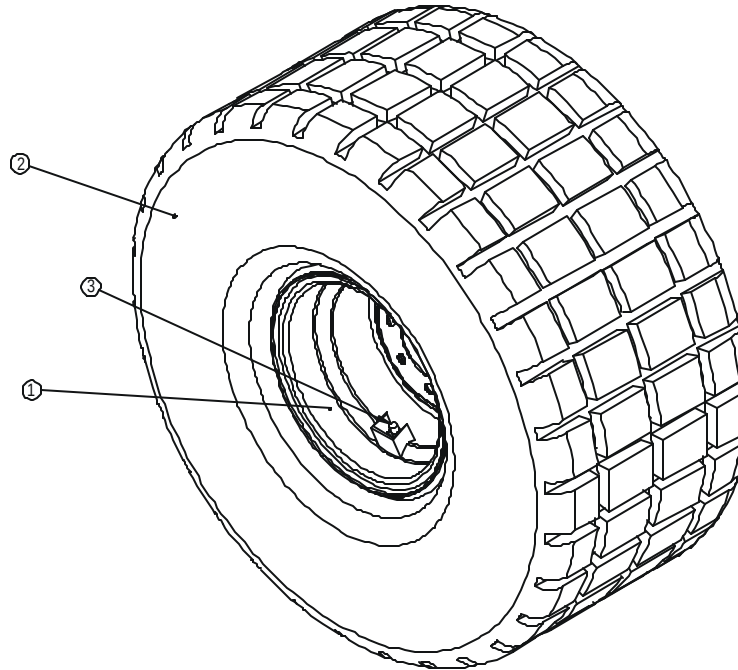
5.6.2 Spindle Assembly (Part No. 33045)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	33045	SUSP, SPINDLE, S817, 18.5, COMPLETE	1
2	31183	PIN, COTTER, 3/16X2	1
3	32314	NUT, CASTELLATED, 1-1/4	1
4	91291	WASHER, FLAT, WA23, ZP	1



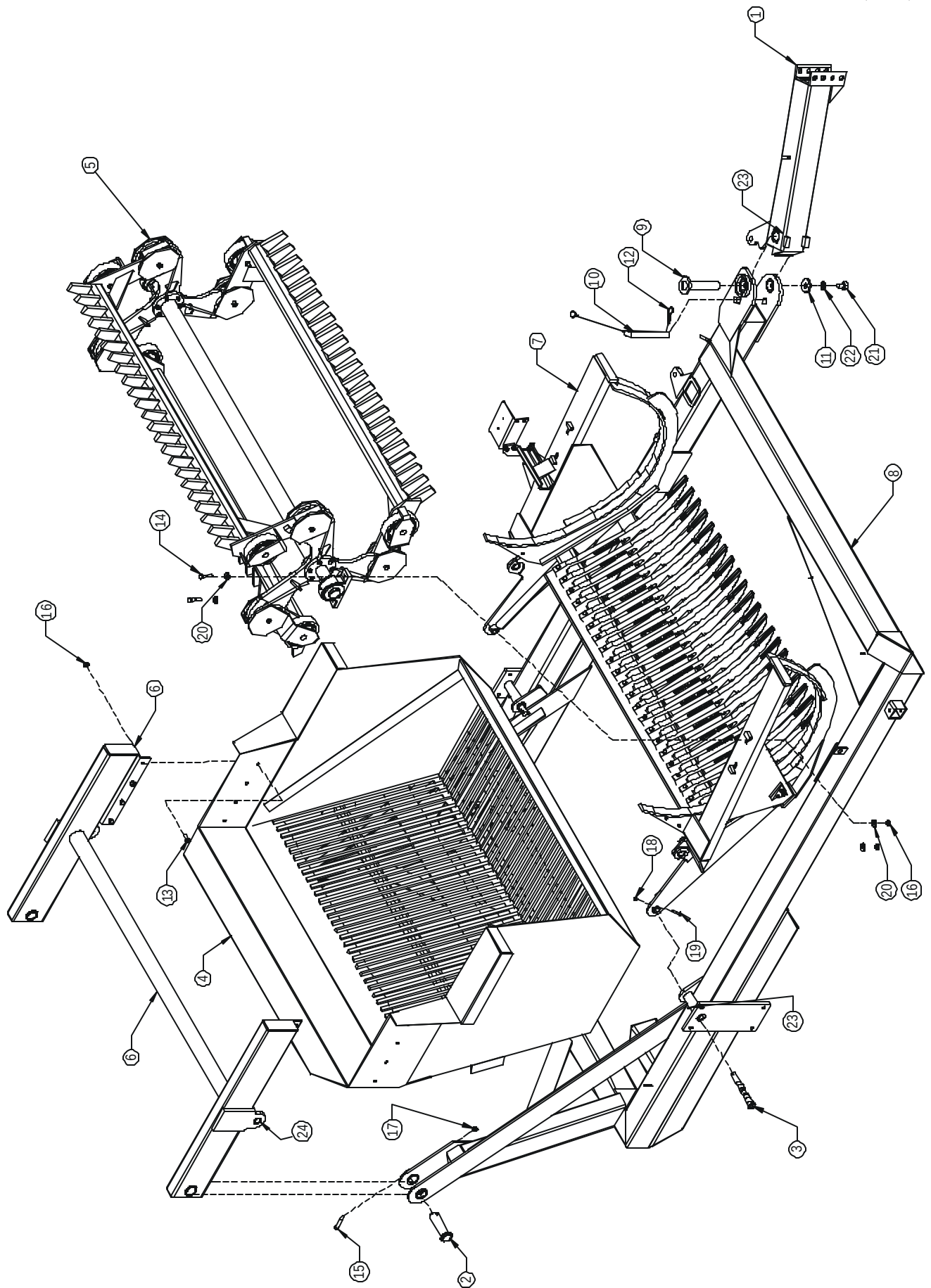
5.7 Wheel Assembly (Part No. 33036)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	33035	SUSP, RIM,W16CX16.1,+1.125,8,WH	1
2	30136	SUSP,TIRE,21.5LX16.1,ST 2,10 PLY	1
3	91048	SUSP,STEM,VALVE,TR801HP	1



5.8 Pre-Paint Assembly (Part No. 70134)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70002	ARM,HITCH	1
2	70025	PIN,DUMP	2
3	70027	PIN,SIDE,APRON	2
4	70089	BUCKET,7	1
5	70090	REEL,COMPLETE,7	1
6	70091	DUMP,BUCKET,7	1
7	70099	APRON,COMPLETE,7	1
8	70103	FRAME,WLDT,7	1
9	70190	HITCH,PIN	1
10	70300	HITCH,STOP, ASSY	1
11	E2240	WASHER,HITCH,BOTTOM	1
12	91609	PIN,HITCH,5/32X3	1
13	31181	BOLT,HEX,5/8X1-1/2,UNC,GR8,ZP	8
14	31054	BOLT,HEX,5/8X2-1/2,UNC,GR5,ZP	4
15	31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	2
16	31169	NUT,STOVER,5/8,UNC,GR5,ZP	12
17	31173	NUT,NYLOCK,1/2,UNC,ZP	2
18	31176	NUT,NYLOCK,3/8,UNC,ZP	2
19	31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	2
20	32075	WASHER,FLAT,1-1/2X11/16X3/16	8
21	31037	BOLT,HEX,1X1-1/2,UNC,GR5,ZP	1
22	31243	WASHER,LOCK,1,ZP	1
23	30207	ZERK,1/4-28,GF641,STRAIGHT	3
24	E4527	BUSHING,LUG,DUMP	

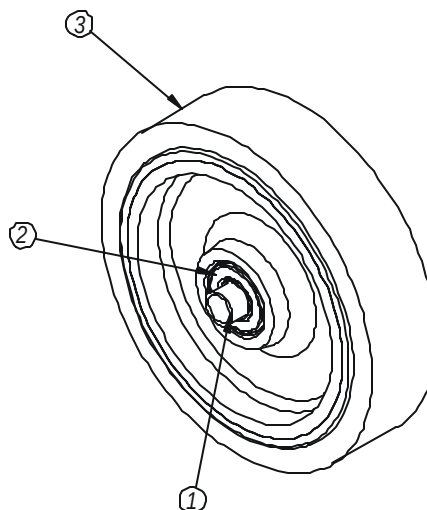


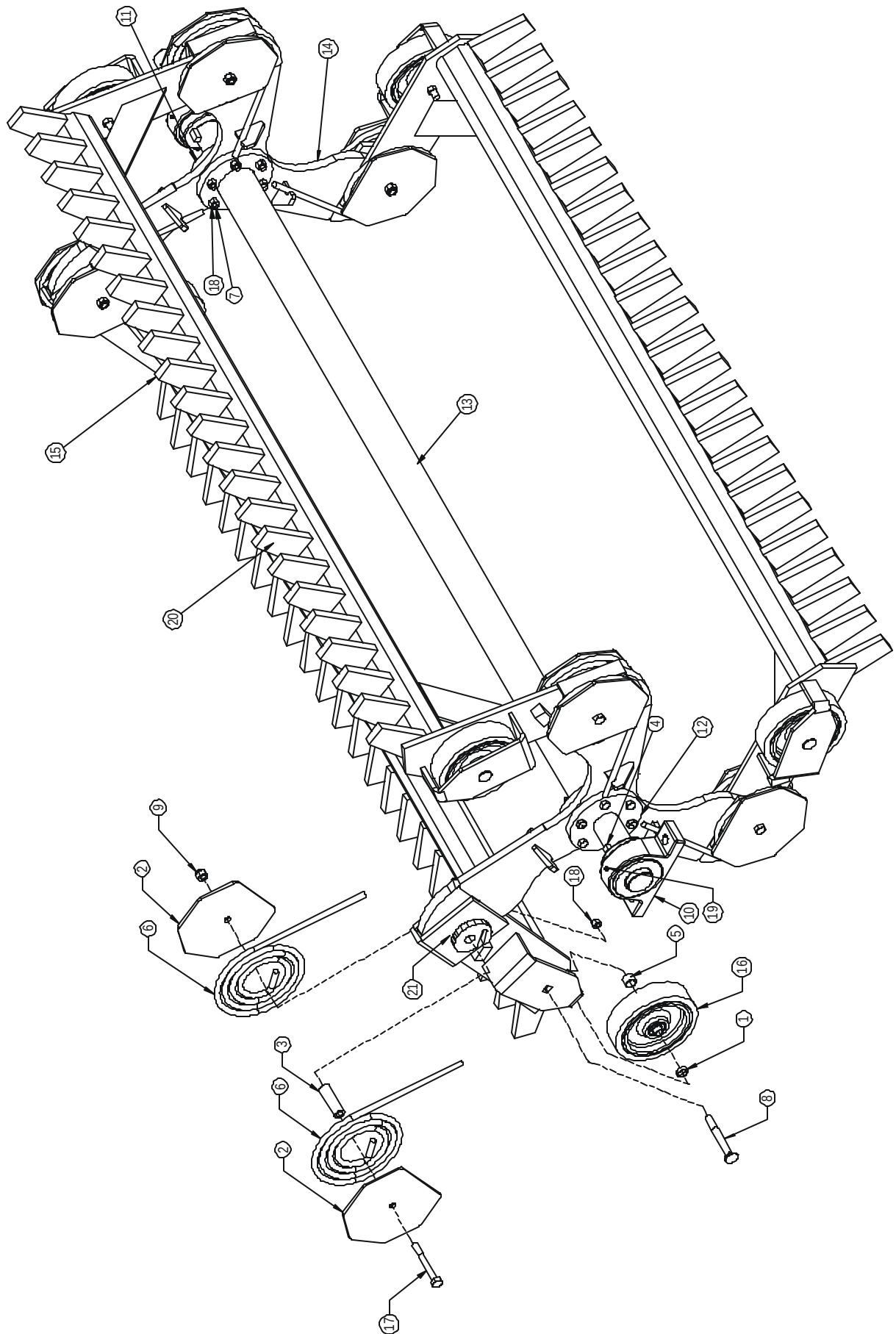
5.9 Reel Assembly (Part No. 70090)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E2304	PIPE,SCH40,3/4x1/4L	6
2	E4548	PLT,RETAINER,SPRING	12
3	E4549	PIPE,SMLS,1x.188x3-1/4L	6
4	E4559	PLT,R,1/2x1/2x1	2
5	E4626	PIPE,SCH40,3/4x11/16L	6
6	30138	SPRING,REEL	12
7	31022	BOLT,HEX,1/2X3,UNC,GR8,ZP	12
8	31642	BOLT,CARR,5/8X5,UNC,GR5,ZP	6
9	31646	NUT,NYLOCK,9/16,UNC,GRC,ZP	6
10	32373	DRV,BRG,PILLOW-BLOCK,2-7/16	2
11	70094	DRIVE,ARM,REEL	1
12	70095	IDLER,ARM,REEL	1
13	70096	TUBE,ARM,REEL	1
14	70097	ARM,REEL,7	2
15	70105	BATT,REEL,7	3
16	70106	WHEEL,BOGIE,COMPLETE	6
17	31644	BOLT,HEX,9/16X4-1/2,UNC,GR8,ZP	6
18	31612	NUT,STOVER,1/2,UNC,ZP	18
19	30207	ZERK,1/4-28,GF641,STRAIGHT	2
20	E2294	TOOTH,REEL	
21	E2308	PIPE,SMLS,1-1/2X.240X3/4L	

5.9.1 Bogie Wheel Assembly (Part No. 70106)

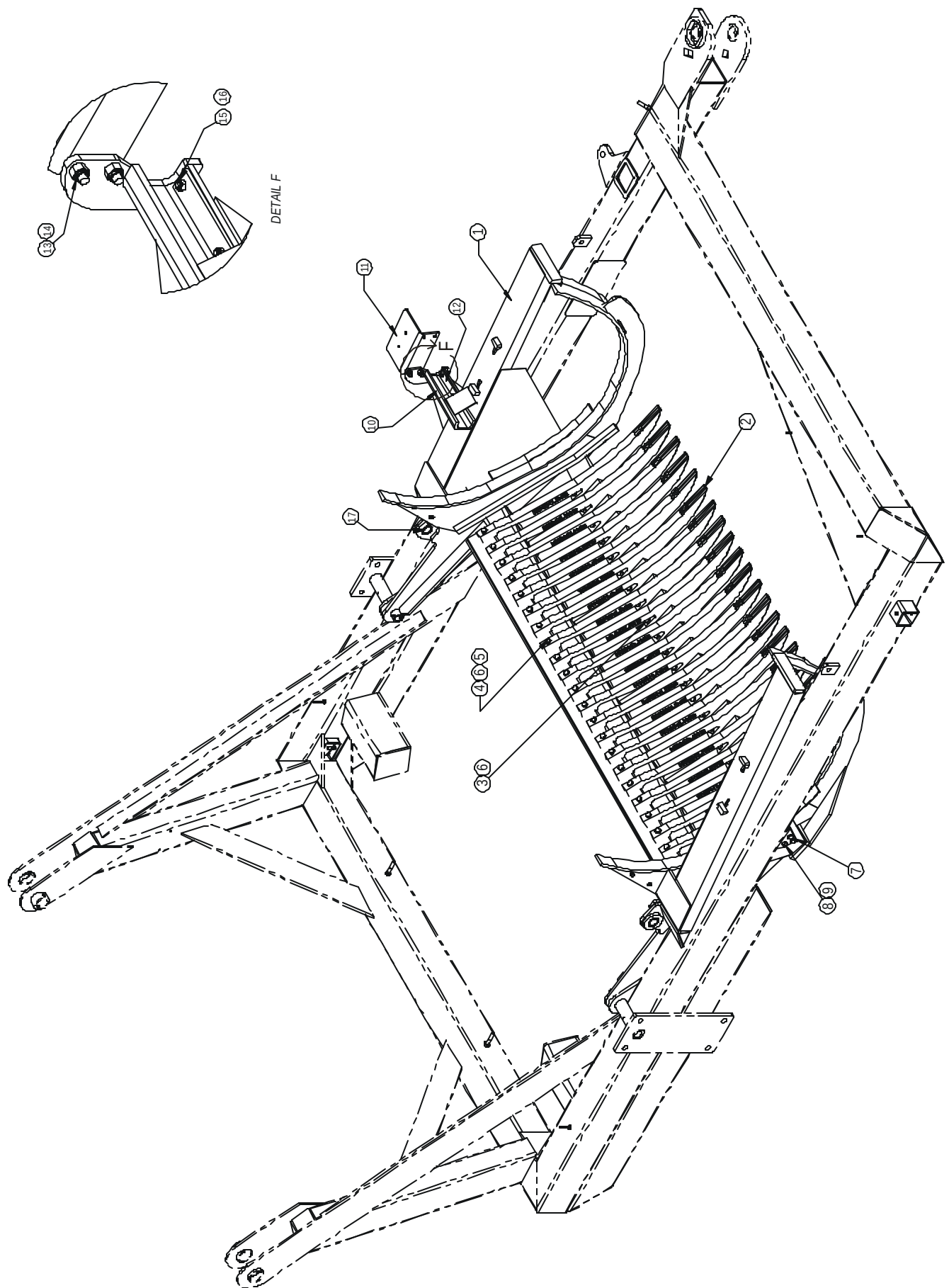
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E4627	BUSHING,WHEEL,BOGIE	1
2	32376	BEARING,BALL,.788,1.65	2
3	32357M	CASTING,RUBBERIZED	1





5.10 Apron Assembly (Part No. 70099)

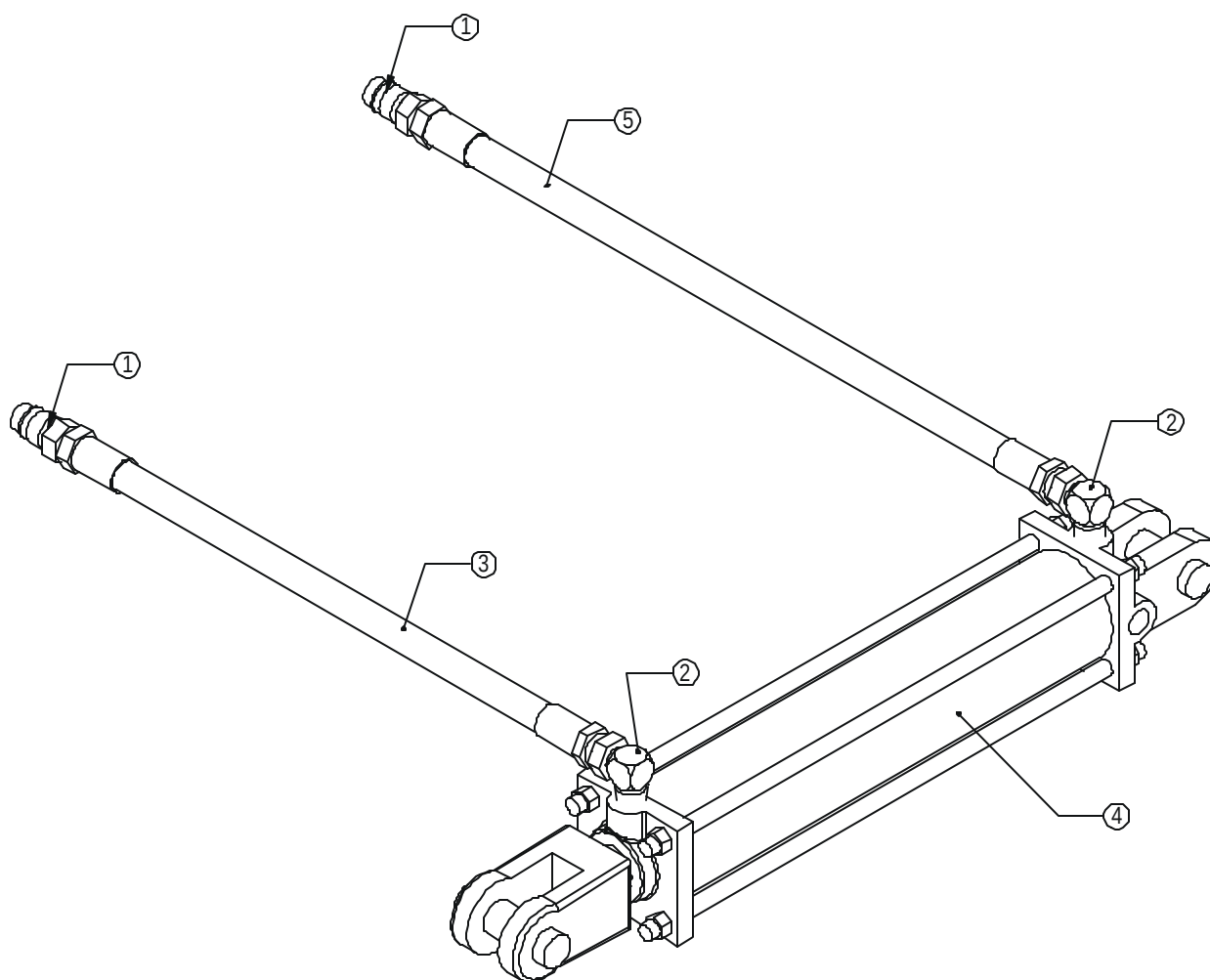
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70400	APRON,WLDT,7	1
2	32466M	TYNE,APRON	22
3	31024	BOLT,HEX,1/2X3-1/2,UNC,GR8,ZP	22
4	31019	BOLT,HEX,1/2X2-1/2,UNC,GR8,ZP	22
5	31236	WASHER,FLAT,1/2,ZP	22
6	31612	NUT,STOVER,1/2,UNC,ZP	44
7	E5356	STOP,APRON,DBL	4
8	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	6
9	31173	NUT,NYLOCK,1/2,UNC,ZP	6
10	70128	BUMPER,GEARBOX	1
11	E2339	ANCHOR,VALVE,CUSHION,HYDRAULIC	1
12	E4502	BUMPER,MOTOR,HYDRAULICS	1
13	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	2
14	31173	NUT,NYLOCK,1/2,UNC,ZP	2
15	31029	BOLT,HEX,1/4X1,UNC,GR5,ZP	2
16	31174	NUT,NYLOCK,1/4,UNC,ZP	2
17	E4534	PIPE,SMLS,1-3/4X.240WX1L	



6.0 Options

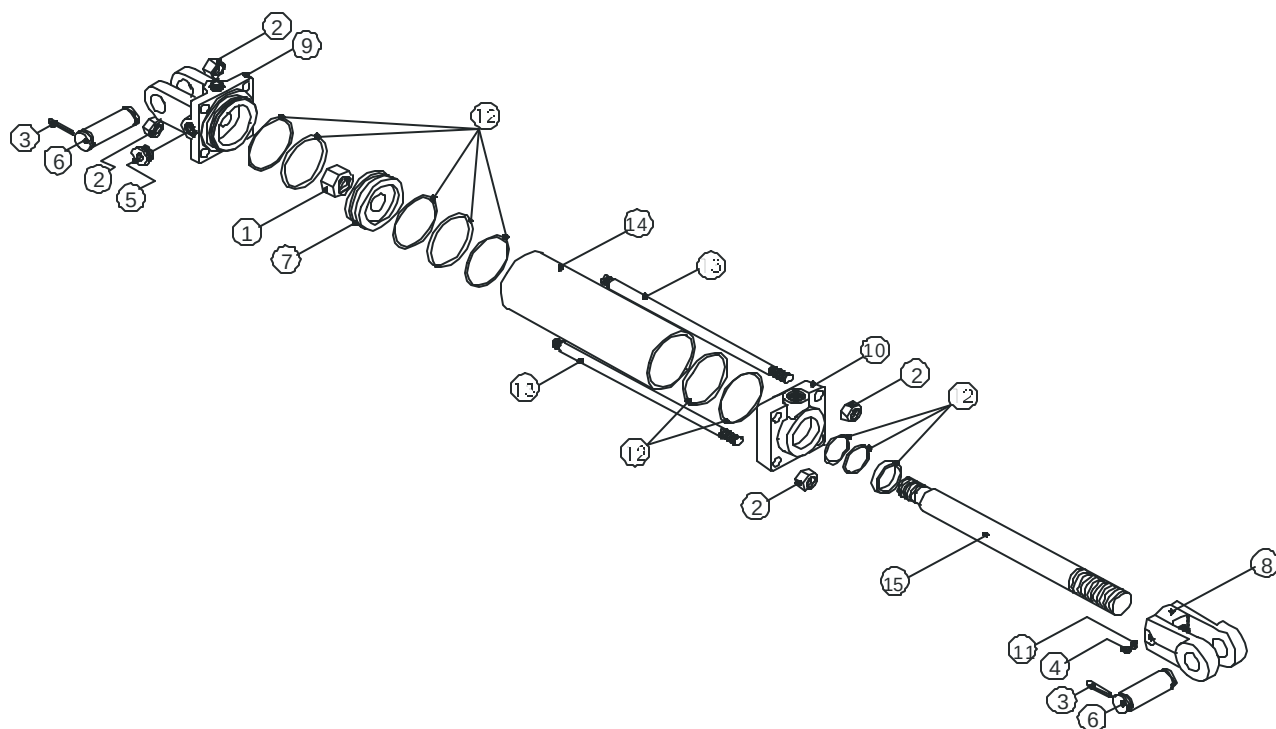
6.1 Swing Hitch Assembly (Part No. 70178)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30209	HYD,FIT,PIONEER,MALE,8FP	2
2	30212	HYD,FIT,ELBOW,8MP-8MJ90	2
3	31850	HYD,HOSE,3/8X108,8FJX-8MP,1W,1W	1
4	32247	HYD,CYL,3X14,1.25,8FP	1
5	90301	HYD,HOSE,3/8X120,8MP-8FJX,1W	1



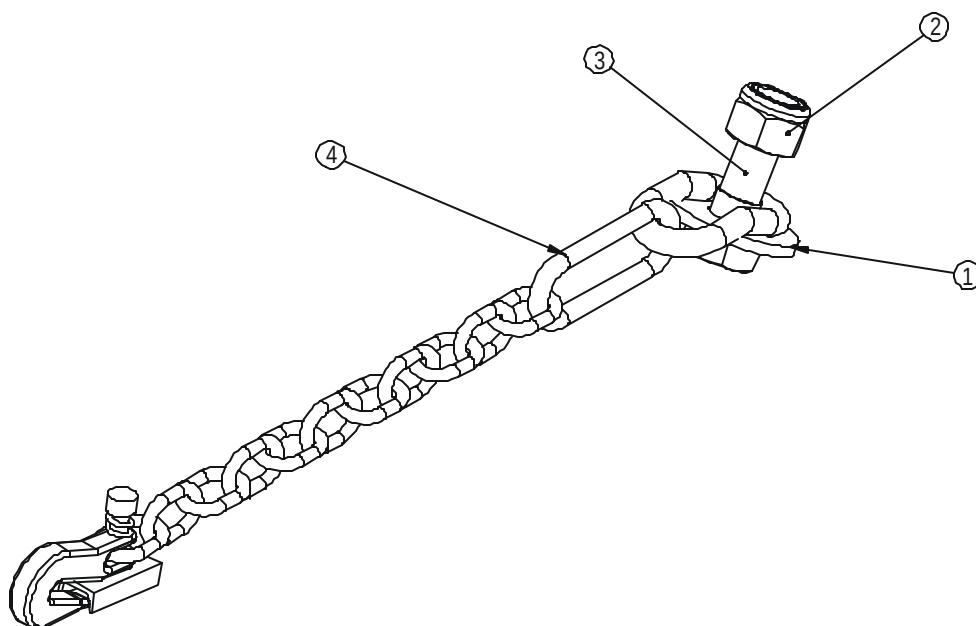
6.1.1 3x14 Cylinder (Part No. 32247)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
2	30237	NUT,HEX,1,UNS,GR5	1
3	30238	PIN,COTTER,3/16X1-1/2	4
4	30239	SETSCREW, SOCKET, 3/8X1-1/2KNUR	1
5	30240	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	1
6	32250	HYDCYL,PIN,1	2
7	30250	HYD,CYL,PISTON,3,H6680	1
8	30253	HYD,CLEVES,1-1/4,1PIN	1
9	30256	HYD,CYL,CLEVIS,CAP, 3,NPTF	1
10	30257	HYD,CYL,CAP, ROD,3X1-1/4,NPTF	1
11	30261	LOCK,THREAD,NYLOCK	1
12	30262	HYD,CYL,SEALKIT,3,1-1/4ROD	1
13	33023	HYD,CYL,TIEROD,1/2X14	4
14	33024	HYD,CYL,3X14,H6140	1
15	33025	HYD,CYL,ROD,1-1/4X16-5/8	1



6.2 Safety Chain Option (Part No. 70604)

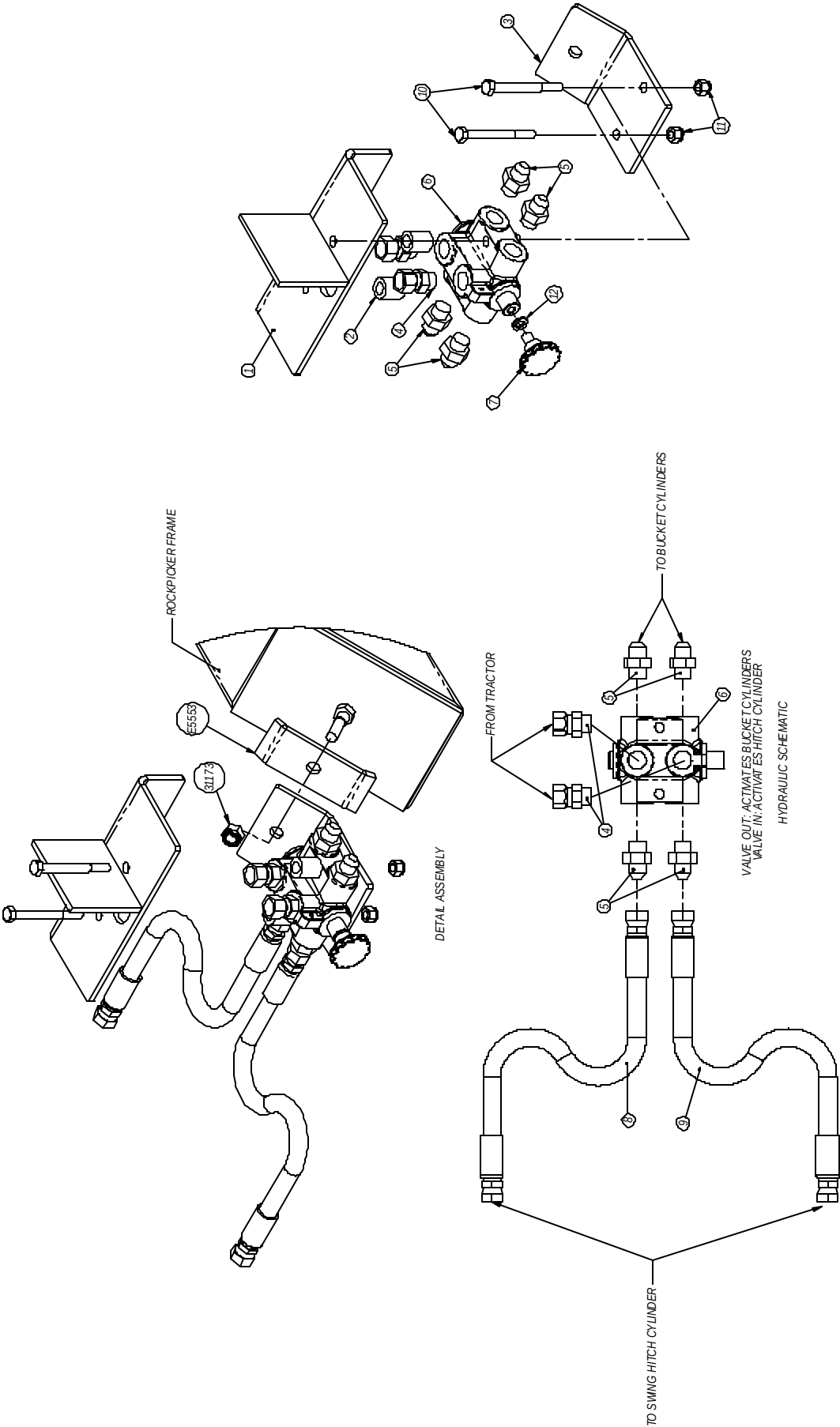
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E6151	PLT,C,1/4x3	1
2	31172	NUT,NYLOCK,1,UNC,ZP	1
3	31471	BOLT,HEX,1X3,UNC,GR5,ZP	1
4	31590	CHAIN,SAFETY, ASAE,10100LB,54"	1



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6.3 Selector Valve Option (Part No. RPOSV-2)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70605	WLDT, GUARD, DBL VALVE, RP	1
2	E6174	PIPE, SMLS, 7/8x.188x1L	2
3	E6879	BRACKET, DBL VALVE MOUNT, RP	1
4	30152	HYD, FIT, ADAPTER, 8MB-8FJX	2
5	30215	HYD, FIT, ADAPTER, 8MB-8MJ	4
6	31965	HYD, VALVE, DOUBLE SELECTOR	1
7	33236	KNOB, VALVE, SELECTOR, 3/8-16 UNC	1
8	33237	HYD, HOSE, 3/8X36, 8FJX-8FJX, 1W	1
9	90313	HYD, HOSE, 3/8X18, 8FJX-8FJX, 1W	1
10	31781	BOLT, HEX, 3/8X3-1/2, UNC, GR5, ZP	2
11	31176	NUT, NYLOCK, 3/8, UNC, ZP	2
12	31319	WASHER, LOCK, 3/8, ZP	1



7.0 Parts Index

Part No.	Description	Page	Item
30040	RIVET,ST,3/16X.815,.625 HEAD	18	14
30135	DECAL,DANGER,SHUT OFF MACHINE	14	2
30136	SUSP,TIRE,21.5LX16.1,ST2,10PLY	33	2
30138	SPRING,REEL	36	6
30139	HYD,HOSE,1/2X169,8FJX-8FJX,1W	26	15
30151	HYD,FIT,TEE,8MJ	26	5
30152	HYD,FIT,ADAPTER,8MB-8FJX	44	4
30159	HYD,HOSE,1/2X96,8MP-8MJ,1W	26	13
30160	HYD,CYL,4.5X42,2.0,3/4-16UNF ORB,LHS	26	6
30161	RIVET,ST,5/32X.665,.312 HEAD	18	15
30175	HYD,CYL,CAP,CLEVIS,4.5 ORB,1.25 PIN	28	1
30176	HYD,CYL,CAP,ROD,4-1/2X2,3/4 ORB	28	2
30177	HYD,CYL,PISTON,4-1/2	28	3
30178	HYD,CYL,ROD,2X51-3/4	28	4
30179	HYD,CYL,TUBE,4-1/2X51-9/16	28	5
30180	HYD,CYL,5/8X51-9/16"	28	6
30181	HYD,CYL,PIN,1-1/4,H2094	28	7
30182	PIN,COTTER,HAMERLCK,3/16X1-1/4	28	8
30192	NUT,HEX,1-1/4,UNF,GRB,ZP	28	10
30193	HYD,FIT,,PLG,3/4-16 UNF STRTHD	28	11
30204	HYD,FIT,ADAPTER,10MB-8MJ	22	17
30206	HYD,HOLDER,HOSE,1/2	18	16
30207	ZERK,1/4-28,GF641,STRAIGHT	31	10
30207	ZERK,1/4-28,GF641,STRAIGHT	34	23
30207	ZERK,1/4-28,GF641,STRAIGHT	36	19
30208	PLT,SERIAL #	14	12
30208	PLT,SERIAL#	18	17
30209	HYD,FIT,PIONEER,MALE,8FP	22	5
30209	HYD,FIT,PIONEER,MALE,8FP	26	7
30209	HYD,FIT,PIONEER,MALE,8FP	40	1
30210	HOSECLAMP,1/2	26	8
30211	HYD,FIT,ELBOW,8MB-8MJ90	26	9
30212	HYD,FIT,ELBOW,8MP-8MJ90	40	2
30213	HYD,CYL,4.5X42,2.0,3/4-16UNF ORB,RHS	26	10
30215	HYD,FIT,ADAPTER,8MB-8MJ	26	11
30215	HYD,FIT,ADAPTER,8MB-8MJ	44	5
30237	NUT,HEX,1,UNS,GR5	41	2
30238	PIN,COTTER,3/16X1-1/2	41	3
30239	SETSCREW,SOCKET,3/8X1/2 KNURL	28	13
30239	SETSCREW,SOCKET,3/8X1-1/2 KNURL	41	4
30240	HYD,FIT,PLUG,1/2-14,NPTF,DRYSEAL	41	5
30250	HYD,CYL,PISTON,3,H6680	41	7
30253	HYD,CLEVIS,1-1/4,1PIN	41	8
30256	HYD,CYL,CLEVIS,CAP,3,NPTF	41	9
30257	HYD,CYL,CAP,ROD,3X1-1/4,NPTF	41	10
30261	LOCK,THREAD,NYLOCK	28	14
30261	LOCK,THREAD,NYLOCK	41	11
30262	HYD,CYL,SEALKIT,3,1-1/4ROD	41	12
30285	DECAL,DANGER,TO PREVENT	14	3

30294	SCREW,TEK,1/4X1	20	4
30294	SCREW,TEK,1/4X1	26	12
30338	HYD,CYL,SEALKIT,4-1/2,2"ROD	28	15
30526	ELEC,LIGHT,RED&AMBER,LEFT	20	7
30527	ELEC,LIGHT,RED&AMBER,RIGHT	20	8
30577	DECAL,RED REFL,2X9	14	4
30578	DECAL,AMBER REFL,2X9	14	5
30586	HYD,HOSE,1/2X20,8FJX-8MP,1W	22	3
30663	NUT,HEX,5/8,UNF GRADE 5	28	12
31007	BOLT,CARR,1/2X1-1/2,UNC,GR2,ZP	18	20
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	22	11
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	38	13
31019	BOLT,HEX,1/2X2-1/2,UNC,GR8,ZP	38	4
31022	BOLT,HEX,1/2X3,UNC,GR8,ZP	36	7
31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	34	15
31024	BOLT,HEX,1/2X3-1/2,UNC,GR8,ZP	38	3
31029	BOLT,HEX,1/4X1,UNC,GR5,ZP	38	15
31037	BOLT,HEX,1X1-1/2,UNC,GR5,ZP	34	21
31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	18	21
31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	18	22
31048	BOLT,HEX,5/16X2-1/2,UNC,GR5,ZP	22	13
31050	BOLT,HEX,5/16X3,UNC,GR5,ZP	25	9
31054	BOLT,HEX,5/8X2-1/2,UNC,GR5,ZP	34	14
31069	BOLT,HEX,1/2X1,UNC,GR5,ZP	22	12
31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	38	8
31163	NUT,HEX,1/2,UNC,GR5,ZP	41	1
31167	NUT,HEX,3/4,UNC,GR5,ZP	18	23
31169	NUT,STOVER,5/8,UNC,GR5,ZP	34	16
31172	NUT,NYLOCK,1,UNC,ZP	18	24
31172	NUT,NYLOCK,1,UNC,ZP	42	2
31173	NUT,NYLOCK,1/2,UNC,ZP	18	25
31173	NUT,NYLOCK,1/2,UNC,ZP	26	20
31173	NUT,NYLOCK,1/2,UNC,ZP	34	17
31173	NUT,NYLOCK,1/2,UNC,ZP	38	9
31173	NUT,NYLOCK,1/2,UNC,ZP	38	14
31174	NUT,NYLOCK,1/4,UNC,ZP	20	11
31174	NUT,NYLOCK,1/4,UNC,ZP	38	16
31175	NUT,NYLOCK,3/4,UNC,ZP	18	26
31176	NUT,NYLOCK,3/8,UNC,ZP	20	12
31176	NUT,NYLOCK,3/8,UNC,ZP	34	18
31176	NUT,NYLOCK,3/8,UNC,ZP	44	11
31177	NUT,NYLOCK,5/16,UNC,ZP	22	14
31177	NUT,NYLOCK,5/16,UNC,ZP	25	10
31177	NUT,NYLOCK,5/16,UNC,ZP	26	21
31181	BOLT,HEX,5/8X1-1/2,UNC,GR8,ZP	34	13
31183	PIN,COTTER,3/16X2	32	2
31236	WASHER,FLAT,1/2,ZP	18	27
31236	WASHER,FLAT,1/2,ZP	22	18
31236	WASHER,FLAT,1/2,ZP	26	22
31236	WASHER,FLAT,1/2,ZP	38	5
31239	WASHER,FLAT,5/16,ZP	22	16
31239	WASHER,FLAT,5/16,ZP	26	23

31243	WASHER,LOCK,1,ZP	18	28
31243	WASHER,LOCK,1,ZP	34	22
31244	WASHER,LOCK,1/2,ZP	22	15
31246	WASHER,LOCK,3/4,ZP	18	29
31308	VENT PLUG-1/4 NPT	25	14
31319	WASHER,LOCK,3/8,ZP	44	12
31346	WASHER,LOCK,5/16,ZP	26	24
31351	WASHER,FLAT,3/8,ZP	20	13
31471	BOLT,HEX,1X3,UNC,GR5,ZP	42	3
31532	NUT,WING,1/4,UNC,ZP	18	30
31533	BOLT,HEX,5/16X3/4,UNC,GR5,ZP	26	25
31535	BOLT,HEX,1/4X1-1/2,UNC,GR5,ZP	20	9
31590	CHAIN,SAFETY,ASAE,10100LB,5'4"	42	4
31612	NUT,STOVER,1/2,UNC,ZP	36	18
31612	NUT,STOVER,1/2,UNC,ZP	38	6
31613	TIE,CABLE,NYLON,BLACK,11-1/2	20	14
31642	BOLT,CARR,5/8X5,UNC,GR5,ZP	36	8
31644	BOLT,HEX,9/16X4-1/2,UNC,GR8,ZP	36	17
31646	NUT,NYLOCK,9/16,UNC,GRC,ZP	36	9
31649	ELEC,CLAMP,CABLE,1/2	20	5
31650	ELEC,CLAMP,CABLE,3/4	20	6
31686	BOLT,U,SQ,3/8-16,6X5	20	10
31781	BOLT,HEX,3/8X3-1/2,UNC,GR5,ZP	44	10
31784	HYD,HOSE,1/2X164,8MP-8MP,1W	22	4
31791	HYD,HOSE,3/8X142,8FJX,1W	26	17
31792	HYD,HOSE,3/8X139,8FJX,1W	26	18
31796	HYD,CAP,CLEVIS,4-1/2X42 HARD	28	9
31800	JACK,5000LBX15,SQ MNT,SIDEWIND	18	31
31800	JACK,5000LBX15,SQ MNT,SIDEWIND	29	1
31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	34	19
31850	HYD,HOSE,3/8X108,8FJX-8MP,1W	40	3
31922	HYD,VALVE,SELECTOR,08,KNOB,RS	26	14
31965	HYD,VALVE,DOUBLE_SELECTOR	44	6
32054	HYD,HOSE,3/8X54,8FJX,1W	26	19
32075	WASHER,FLAT,1-1/2X11/16X3/16	34	20
32209	DRV,GEARBOX,COMPLETE,590	22	6
32210	SEAL	25	2
32211	BEARING	25	3
32212	BRG	25	7
32213	COVER	25	8
32214	SPACER	25	5
32215	PINION	25	6
32216	GEAR	25	4
32217	SHELL-FRONT-W/OIL PLUGS	25	12
32218	SHELL-BACK-PLAIN	25	11
32247	HYD,CYL,3X14,1.25,8FP	40	4
32250	HYD,CYL,PIN,1	41	6
32313	SUSP,CAP,DUST,DC26	31	2
32314	NUT,CASTELLATED,1-1/4	32	3
32315	SUSP,BRG,OUTER	31	4
32316	SUSP,RACE,OUTER	31	5
32318	SUSP,HUB,H817	31	6

32319	SUSP,NUT,WHEEL,5/8	31	8
32320	SUSP,STUD,WHEEL,5/8	31	7
32321	SUSP,BRG,387AS	31	9
32322	SUSP,CUP,INNER,#301110 382A	31	3
32323	SUSP,SEAL,SE42 (CR29952)	31	1
32327	SUSP,HUB,HA817-3,COMPLETE	30	2
32373	DRV,BRG,PILLOW-BLOCK,2-7/16	36	10
32376	BEARING,BALL,.788,1.65	36	2
32639	BEARING,THRUST,FRONT	24	6
32644	HYD,MOTOR,18.3,316RPM,3000PSI	22	7
32647	SEAL,KIT,ROLLER,STATOR	24	1
32649	BEARING,HOUSING,REAR,1/2	24	5
32651	BEARING,THRUST,REAR	24	2
32653	SHAFT KIT	24	13
32660	HYD,VALVE,CUSHION	22	8
32720	BEARING,HOUSING,FRONT	24	3
32725	MANIFOLD	24	8
32726	BALANCE PLATE & BALLS	24	10
32727	END COVER	24	11
32734	WASHER,FLAT,3-1/8ODX1/2	22	9
32786	O-RING,#151	22	10
32937	DECAL,WARNING,DO NOT RAISE	14	6
32972	HYD,HOSE,3/8X66,8FJX,1W	26	16
32981	DECAL,PIMA	14	7
33022	KEY,GEAR - 58T	25	15
33023	HYD,CYL,TIEROD,1/2X14	41	13
33024	HYD,CYL,3X14,H6140	41	14
33025	HYD,CYL,ROD,1-1/4X16-5/8	41	15
33035	SUSP,RIM,W16CX16.1,+1.125,8,WH	33	1
33036	WHEEL,21.5LX16.1,+1.125,8,WH	18	32
33045	SUSP,SPINDLE,S817,18.5,COMPLETE	32	1
33047	HOUSING KIT	24	4
33048	DRIVE LINK	24	7
33049	ROTOR KIT	24	9
33050	BOLT KIT,18	24	12
33065	SLEEVE_2" BORE	25	16
33066	SNAP RING (5100-300)	25	17
33236	KNOB,VALVE,SELECTOR,3/8-16UNC	44	7
33237	HYD,HOSE,3/8X36,8FJX-8FJX,1W	44	8
33438	KIT,PIN&CHAIN-5/8"X4.25"	29	2
33439	KIT,5K BEARING REPLACEMENT	29	3
33440	KIT,STD BEVEL GEAR REPLAC.	29	4
33441	KIT,SW CRN CRANK REPLAC.	29	5
33442	COVER,GEARBOX	29	6
48105	ELEC,HARNESS,LIGHTS,XL78	20	1
48106	KIT,LIGHT,XL78	18	1
48109	BRACKET,LIGHT,RIGHT,RP	20	2
48110	BRACKET,LIGHT,LEFT,RP	20	3
70002	ARM,HITCH	34	1
70003	HITCH,CLEVIS,DOUBLE,ANGLE	18	2
70025	IN,DUMP	34	2
70027	PIN,SIDE,APRON	34	3

70051	GUARD,CYL,DUMP,RIGHT	18	3
70052	GUARD,CYL,DUMP,LEFT	18	4
70083	HYDRAULIC MOTOR ASSEMBLY	18	5
70089	BUCKET,7	34	4
70090	REEL,COMPLETE,7	34	5
70091	DUMP,BUCKET,7	34	6
70094	DRIVE,ARM,REEL	25	1
70094	DRIVE,ARM,REEL	36	11
70095	IDLER,ARM,REEL	36	12
70096	TUBE,ARM,REEL	36	13
70097	ARM,REEL,7	36	14
70099	APRON,COMPETE,7	34	7
70102	HYD,CYL,ASSEMBLY,7	18	6
70103	FRAME,WLDT,7	34	8
70105	BATT,REEL,7	36	15
70106	WHEEL,BOGIE,COMPLETE	36	16
70128	BUMPER,GEARBOX	38	10
70134	ASSEMBLY,PRE-PAINT,7	18	7
70178	XL,OPTION,SWING HITCH-2	18	8
70179	TOOL,ROCKPICKER	18	9
70185	DECALS,HIGHLINE,XL78	18	10
70190	HITCH,PIN	34	9
70197	COVER,VALVE,SAFETY	26	1
70300	HITCH,STOP,ASSY	34	10
70400	APRON,WLDT,7	38	1
70600	WLDT,AXLE,78	30	1
70601	ASSY,AXLE,COMPLETE,78	18	11
70605	WLDT,GUARD,DBL_VALVE,RP	44	1
90301	HYD,HOSE,3/8X120,8MP-8FJX,1W	40	5
90313	HYD,HOSE,3/8X18,8FJX-8FJX,1W	44	9
91048	SUSP,STEM,VALVE,TR801HP	33	3
91291	WASHER,FLAT,WA23,ZP	32	4
91609	PIN,HITCH,5/32X3	34	12
92028	SIGN,SLOWMOVING	18	33
92598	DECAL,HIGHLINE,XL78,FRONT	14	8
92599	DECAL,HIGHLINE,XL78,BACK	14	9
92600	DECAL,HIGHLINE,XL78,LEFT	14	10
92601	DECAL,HIGHLINE,XL78,RIGHT	14	11
32357M	CASTING,RUBBERIZED	36	3
32466M	TYNE,APRON	38	2
E2240	WASHER,HITCH,BOTTOM	34	11
E2294	TOOTH,REEL	36	20
E2304	PIPE,SCH40,3/4X1/4L	36	1
E2308	PIPE,SMLS,1-1/2X.240X3/4L	36	21
E2339	ANCHOR,VALVE,CUSHION,HYDRAULIC	38	11
E3045	KEY,SHAFT,DRIVE,REEL	22	1
E3794	ELEC,LOOM,1/2,SPLIT,CORRUGATED	20	15
E4247	ELEC,LOOM,SPLIT,3/4X18	26	2
E4502	BUMPER,MOTOR,HYDRAULICS	38	12
E4527	BUSHING,LUG,DUMP	34	24
E4534	PIPE,SMLS,1-3/4X.240WX1L	38	17
E4548	PLT,RETAINER,SPRING	36	2

E4549	PIPE,SMLS,1X.188X3-1/4L	36	3
E4559	PLT,R,1/2X1/2X1	36	4
E4571	PIPE,SMLS,2-5/8X.281X1/4L	22	2
E4626	PIPE,SCH40,3/4X11/16L	36	5
E4627	BUSHING,WHEEL,BOGIE	36	1
E4638	PLT,LCOK,TRANSPORT	18	12
E5073	DECAL,RP,CYLINDER	14	1
E5356	STOP,APRON,DBL	38	7
E5553	CLAMP,HOSE,HYD	26	3
E5563	GUARD,LINE,HYDRAULIC	26	4
E6151	PLT,C,1/4X3	42	1
E6174	PIPE,SMLS,7/8X.188X1L	44	2
E6415	MANUAL,HIGHLINE,XL78-2	18	13
E6879	BRACKET,DBL_VALVE_MOUNT,RP	44	3

8.0 Specifications

Weight:	Approximately 7250 lbs (3290 kg)
Total Length:	17'3"
Total Width:	12'6"
Total Height:	5'8"
Picking Width:	84"
Dumping Height:	Approximately 90"
Ground Clearance:	11"
Maximum Capacity:	3.3 cubic yards (2.52 m ³)
Tires:	21.5L x 16.1 Softrac Tires
Tire Pressure:	27 psi
Horsepower Required:	90-150 Horsepower 18 gpm flow required
Hydraulic Outlets:	2
Hydraulic Pressure:	3000 psi (20,680 kPa)

Dealer Information

Dealer: _____

Address: _____

City: _____

Province / State: _____

Postal Code / Zip Code: _____

Phone: _____



Identification Numbers

Model Number: _____

Serial Number: _____

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Dealer Checklist

Rock Picker Dealer Checklist

Checked	Check List Item
	Run the reel and raise and lower the bucket to ensure that all components run freely without binding and are free of excessive impact. Check all hydraulic components for leaks and test hydraulic line lock.
	Tail/warning lights installed with machine.
	SMV sign installed.
	Tongue pivot lock pin with tether installed.
	Apron transport lock bars installed.
	Ensure hitch arm moves freely from working position to transport position and that the hitch wedge can be installed in both positions.
	Ensure all grease points are lubricated.
	Check tire pressure and adjust as required.(as specified on tire).
	Cycle all cylinders a minimum of three times, check for leaks and clearance problems.
	Hydraulic motors to be operated and checked for leaks and free movement.
	Check tire hubs for proper bearing adjustments.
	Owners manual shipped with machine.