

XL6084 - 2003 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-6084, a proven name in the rock-picking field, is manufactured by Highline Mfg. Inc. The XL-6084 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-6084 rock picker, as the machine for your rocking picking needs.

*Chuck Lepage, President
Highline Mfg. Inc.*

PO Box 307, Vonda, Saskatchewan, S0K 4N0

Phone 1-800-665-2010 Fax (306) 258-2010

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-6084 Rock Picker

The XL-6084 rock picker covers a width of 60" and has a dumping height of 84". One set of hydraulic lines is required for dumping the bucket and for lowering the picker's collecting apron. The other set of hydraulic lines is required to drive the reel, which 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-6084 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	XL 6084 ROCK PICKER	
2	WHEEL, COMPLETE, XL 6084, WHITE	32994
2	AXLE COMPLETE	70602
8	BOLT, HEX, 3/4X2-1/2, UNC, GR5, ZP	31040
2	NUT, NYLOCK, 3/4, UNC, ZP	31175
8	NUT, HEX, 3/4, UNC, GR5, ZP	31167
8	WASHER, LOCK, 3/4, ZP	31246

2.0 Operating Instructions

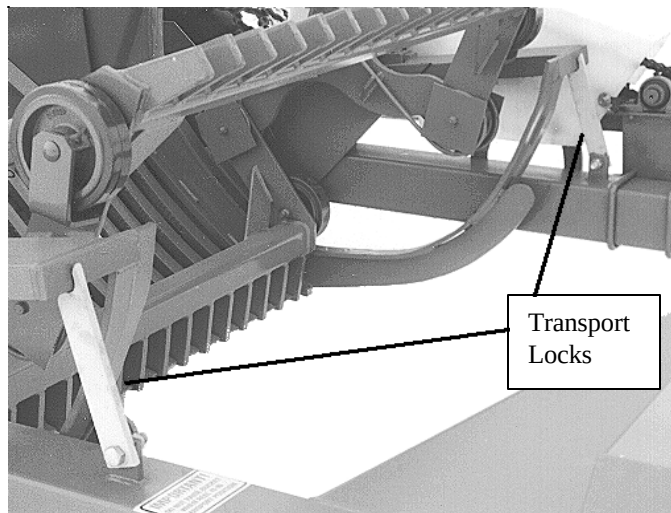
2.1 Field Preparation

Field preparation plays a major role in the picking performance of the XL-6084. 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 swivel 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

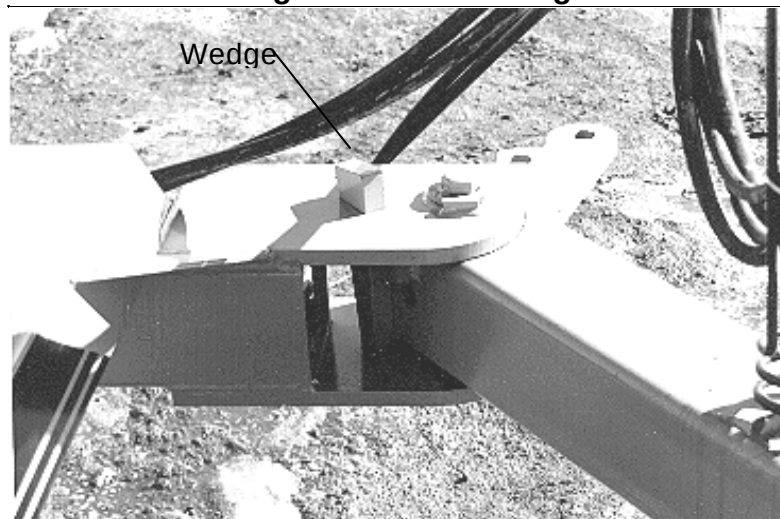


2.3 Transporting Instructions

To ensure safe transport of the XL-6084 rock picker, the transport locks and apron 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 apron frame. To lower transport locks, raise apron until locks are free and turn them forward.

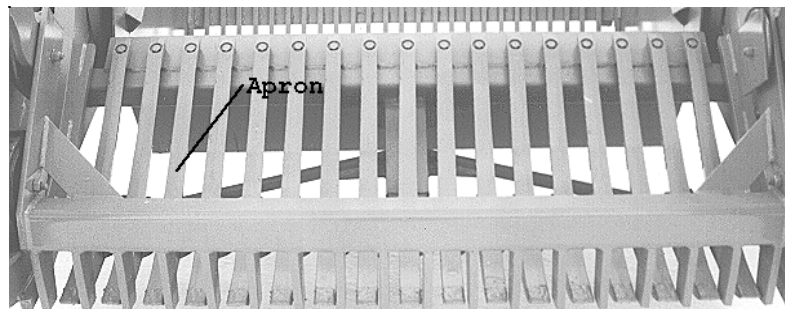
For road transport, the hitch may be turned to reduce the travel width of the rock picker. To change the position of the hitch, the wedge (Figure 2) is removed and the hitch is positioned for field or transport position. The wedge is then placed back into position and ready for field or transport.

***IF HYDRAULIC HITCH IS INSTALLED THE WEDGE MUST 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 level. By extending the cylinder, the apron will lower until it sits on the picker frame. Extending the cylinder more will raise the bucket into dumping position. The working height of the apron will depend upon the soil conditions and the size of rocks.

Figure 3 - Front View of Apron

2.5 Field Instructions

For proper operation, the XL-6084 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 to pick the stones while picking up a minimum of debris and be raised to a suitable level for larger stones.

2.6 Bucket Lock

Two bucket locks are stored at the back of the machine. These locks fit on the cylinder shafts and prevent the bucket from falling when raised to perform maintenance on the Rockpicker. Highline Mfg. Inc. does not recommend working under a loaded bucket.

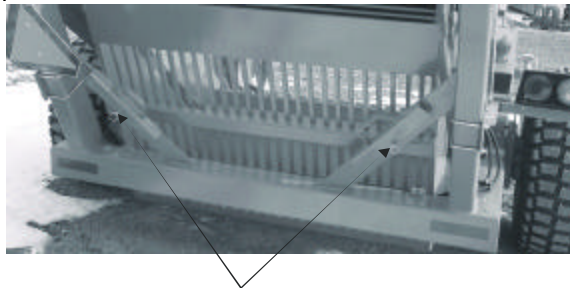
To use locks:

1. Unload bucket of all accumulated rocks.
2. Raise bucket high enough so locks fit on cylinder shafts.
3. Remove locks from storage location as shown below.
4. Install one lock on each cylinder and install retaining pin.

To remove locks:

1. Raise bucket to remove pressure from locks.
2. Remove locks from cylinders and return them to their storage position.

Both locks must be removed before hydraulic pressure is applied to lower the bucket. **FAILURE TO REMOVE BOTH LOCKS MAY RESULT IN DAMAGE TO THE ROCKPICKER.**

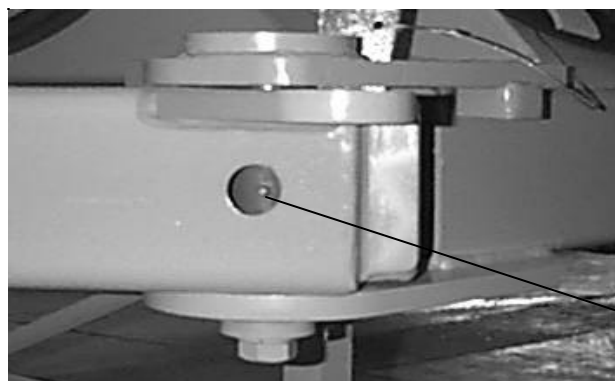


3.0 Maintenance Instructions

- To ensure a long operating life of your XL-6084 Rock Picker, follow this maintenance procedure.
- Ensure tire air pressure is maintained at 23 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

Figure 5 - Reel Greasing Location



GREASE NO.	DESCRIPTION	FREQUENCY
2	Reel Bearings	Yearly

Figure 6 - Apron and Tire Maintenance Locations



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

3

4

Figure 7 - Dump Mechanism Grease Locations



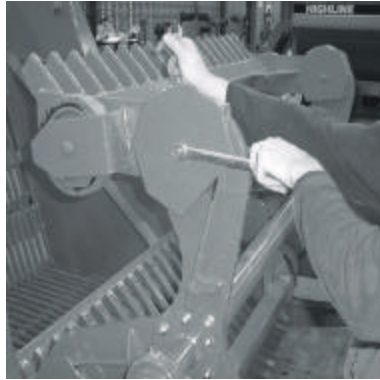
GREASE NO.	DESCRIPTION	FREQUENCY
5	Front Bucket Pivot	Daily

5

3.2 Rockpicker Reel Spring Removal Procedure

1. Loosen 9/16 reel pivot bolt to allow internal movement of spring. See Figure 1

Figure 1



2. Remove spring tool from storage location and place as shown in Figure 2.

Figure 2



3. Apply downwards force to release spring from catch as shown in Figure 3&4.

Figure 3

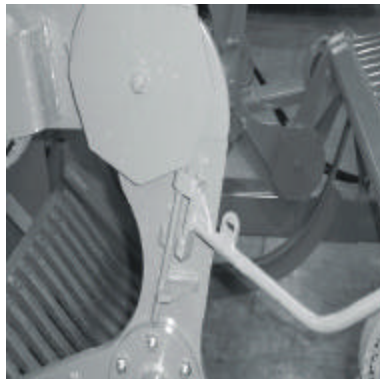
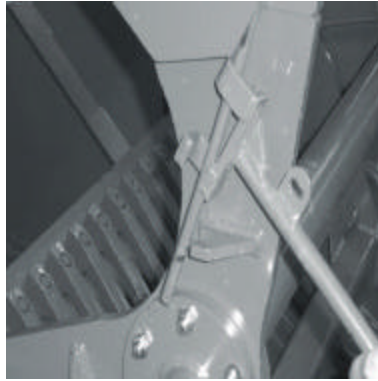


Figure 4



4. Slowly allow spring to return to released position as shown in Figure 5&6.
Release both springs on dual spring reel when replacing a broken/worn spring.

Figure 5

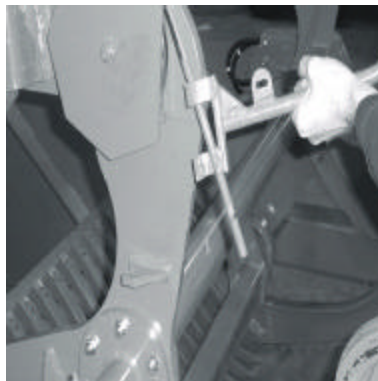


Figure 6



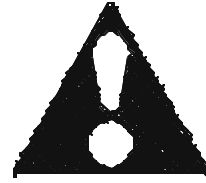
5. Remove bolt and spring retainer plate. Remove old/broken spring.
6. Install new spring and re-install bolt and spring retainer plate leaving bolt slightly loose.
7. Re-tension springs by reversing Step 1-4.
8. Retighten 9/16 bolt to hold spring retainers tight.
9. Return spring tool to storage location and re-secure with wing nut.

4.0 Safety Messages

General safety messages appear in this Safety Messages section. Specific safety messages are located in appropriate sections of the manual where a potential hazard may occur if the instructions or procedures are not followed.

Understand Safety Alert Symbol

This is the safety alert symbol. This symbol placed on your machine or in the manual is used to alert you to the potential for bodily injury or death.



Understand Signal Words.

A signal word “**Danger**”, “**Warning**”, or “**Caution**” is used with the safety alert symbol.

Safety signs with signal word “**Danger**”, “**Warning**” or “**Caution**” are located near specific hazards.

Danger – Imminent hazards which, if not avoided, will result in serious personal injury or death.

Warning – Potential hazards or unsafe practices which, if not avoided, could result in serious personal injury or death.

Caution – Potential hazards or unsafe practices which, if not avoided, could result in minor personal injury or product or property damage.

Read, Understand, and Follow Safety Instructions

Read, understand and follow all instructions and safety messages included in this manual and on decals attached to the machine. These instructions and safety messages contain important information.

Allow only responsible, properly instructed individuals to operate and service the machine.

Failure to follow the instructions and safety messages in this manual and on the decals attached to the machine could result in serious injury or death.

Keep all safety and instruction decals in good condition. Replace any missing or damaged decals.



Keep Machine in Good Condition

Be sure the machine is in good operating condition and that all safety devices are installed and functioning properly.

Visually inspect the machine daily before starting the machine.

Make no modifications to your equipment unless specifically recommended or requested by Highline Mfg Inc.

Keep Spectators Away From Machine

Keep all spectators and other workers away from the machine and work area while in operation.

Avoid Moving Parts

Contact with moving parts can cause death or serious injury.

Keep away from power-driven parts such as the reel.

Wear close-fitting clothing and confine long hair. Avoid wearing jewelry, such as rings, wrist watches, necklaces, or bracelets.

Avoid High Pressure Leaks

Pressurized fluid can penetrate body tissue and result in serious injury or death. Leaks can be invisible. Relieve pressure before working on system. When searching for a leak, use an object like cardboard – not your hand. Fluid injected under the skin must be removed immediately by a surgeon familiar with this type of injury.

Avoid Tire Explosion

Tire explosion can result if the following procedures are not followed:

- Maintain correct tire pressure. Do not inflated tire above recommended pressure.
- Low tire pressure can cause internal tire damage. Inflate to recommended pressure.
- Replace any tire with cuts or bubbles. Replace any damaged rims.
- Do not weld or heat wheel assembly. Heating will increase tire pressure.

Working on the Rock Picker

For your safety and safety of others, the Shutdown Procedure, see below, must be followed before dismounting from the tractor for inspecting, lubricating, cleaning, unplugging, servicing, or repairing the rock picker.

Warning: Failure to follow any of the above safety instructions, or those that follow within this manual, could result in serious injury or death. This machine is to be used only for those purposes for which it was intended, as explained in this Operator's manual.

Safety Decal Maintenance

Safety decals located on your machine contain important and useful information that will help you operate your equipment safely.

To assure that all decals remain in place and in good condition, follow these instructions.

- Keep decals clean. Use soap and water – not mineral spirits, abrasive cleaners, or other similar cleaners that will damage the decal
- Replace any damaged or missing decals. When attaching decals, the temperature of the mounting surface must be at least 5°C (40°F). The mounting surface must also be clean and dry.
- When replacing a machine component with a decal attached, replace the decal also.
- Replacement decals can be purchased from your Highline equipment dealer.

SHUTDOWN PROCEDURE

Important: For your safety and the safety of others, this procedure must be followed before dismounting from the tractor for repairing, servicing, cleaning, or lubricating the rock picker.

A variation of this procedure may be used if so instructed within this manual, or the tractor manual, or if an emergency requires it.

- Step 1: Reduce the engine speed to idle.
- Step 2: Fully lower bucket and apron.
- Step 3: Disengage the PTO/hydraulic motors.
- Step 4: Set the tractor park brake.
- Step 5: Shut off tractor engine and remove key.



Warning: Never carry riders on towed machine. Falling from machine can cause serious injury or death.

Danger: Contact with pickup reel can cause serious injury or death. Keep away from moving pickup reel.

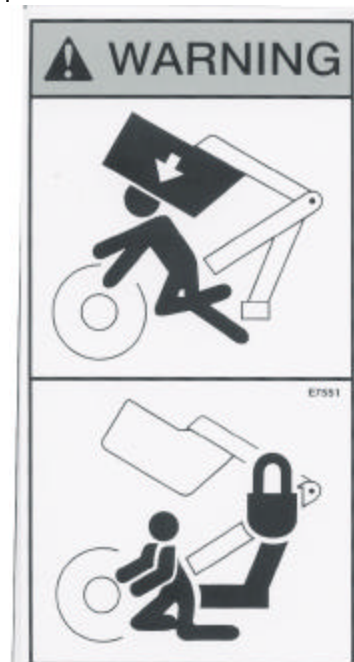


Warning: Raised bucket can fall and crush, causing serious injury or death. Before working under raised bucket, always lock the bucket for service. Do not work under loaded bucket.

Danger: Do not transport the rock picker on public roadways with rocks in the bucket. Rocks may fall out of the bucket, resulting in an accident. Deposit the rocks on a pile in the field, or load them directly onto a truck or trailer.

Warning: Do not transport the rock picker with the bucket raised. Machine damage is possible.

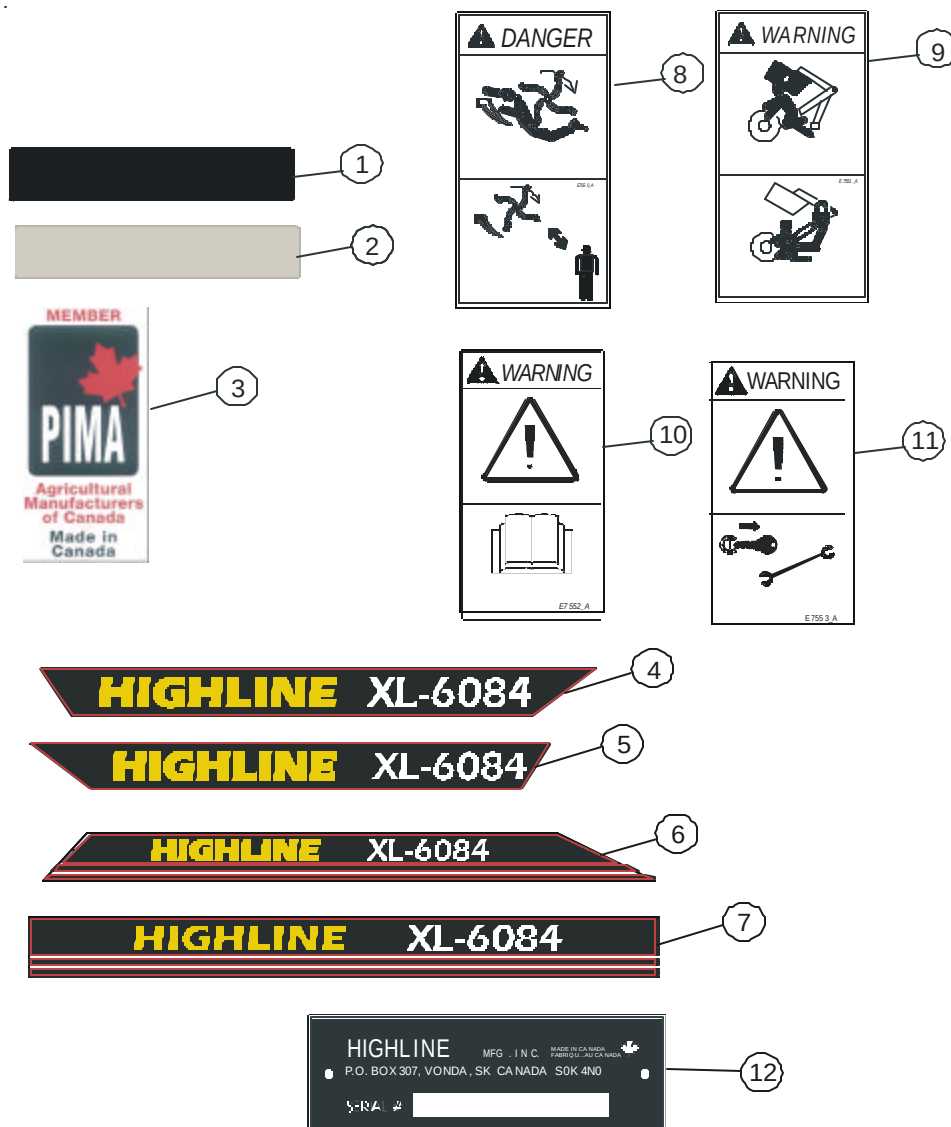
Warning: Always use both locks provided with the machine.

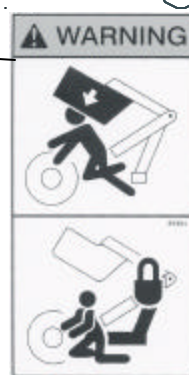


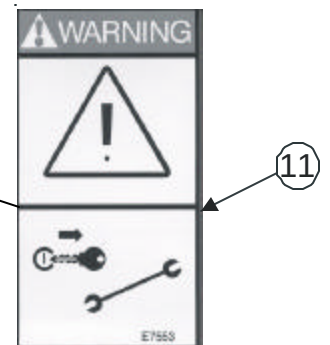
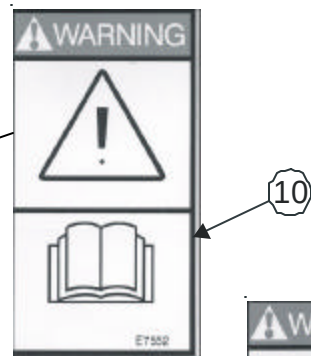
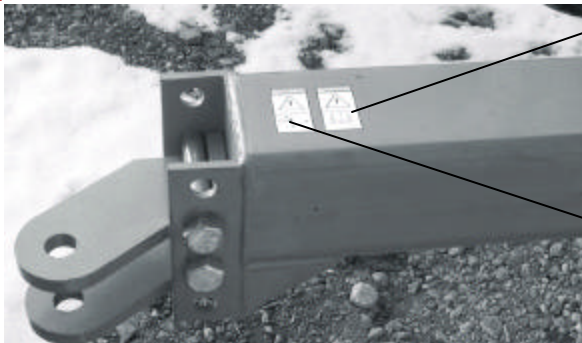
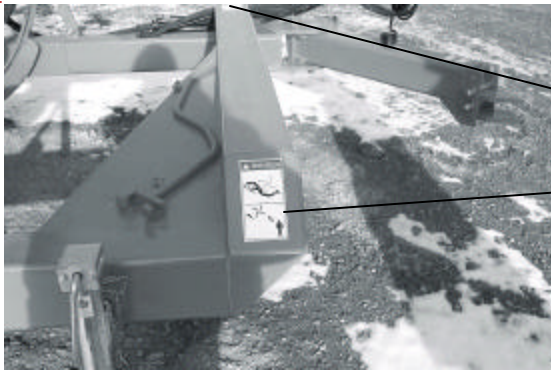
4.1 Decal Location and Placement (Part No. 70619)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30577	DECAL,RED REFL,2X9	2
2	30578	DECAL,AMBER REFL,2X9	2
3	32981	DECAL,PIMA	1
4	92594	DECAL,HIGHLINE,XL6084,LEFT	1
*5	92595	DECAL,HIGHLINE,6084,RIGHT	1
6	92596	DECAL,HIGHLINE,6084,FRONT	1
7	92597	DECAL,HIGHLINE,6084.BACK	1
8	E7550	DECAL,DANGER,REEL_CRUSH	2
9	E7551	DECAL,WARNING,BUCKET_CRUSH	2
10	E7552	DECAL,WARNING,OWNERS_MANUAL	1
11	E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	1
12	30208	PLT,SERIAL #	1

*Not shown







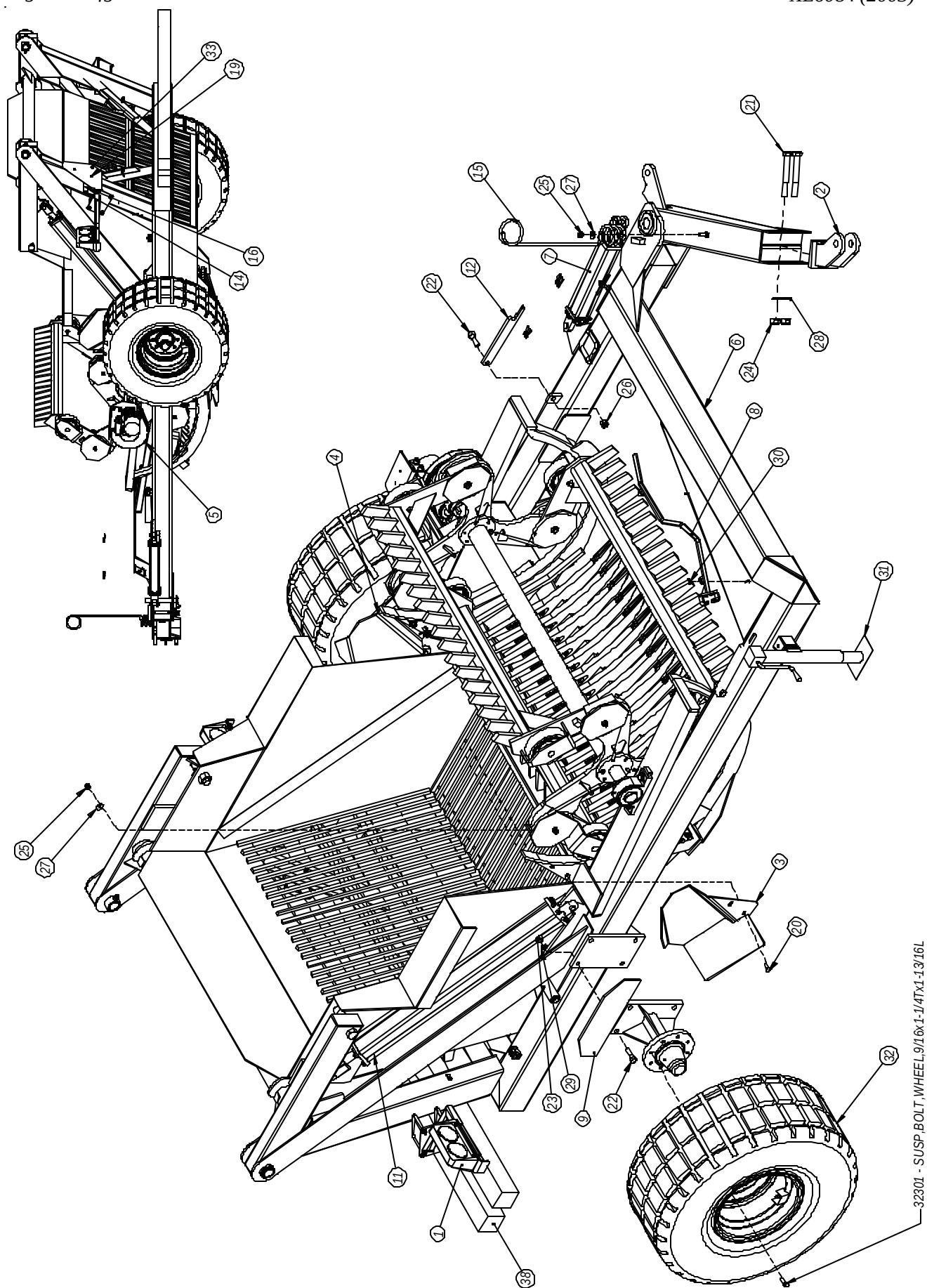
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5.0 Parts Information

5.1 Main Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	48107	KIT,LIGHT,XL6084	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	70132	ASSEMBLY,PRE-PAINT,6	1
7	70178	XL,OPTION,SWING HITCH-2	1
8	70179	TOOL,ROCKPICKER	1
9	70602	ASSY,AXLE,COMPLETE,6084	2
10	70619*	ASSY,DECALS,HIGHLINE,XL6084	1
11	70622	ASSY,HYD,CYL,6	1
12	E4638	PLT,LOCK,TRANSPORT	2
13	E7489*	MANUAL,HIGHLINE,XL6084-3	1
14	30161	RIVET,ST,5/32x.665,.312 HEAD	2
15	30206	HYD,HOLDER,HOSE,1/2	1
16	30208	PLT,SERIAL#	1
17	30295(22)*	PAINT,ORANGE,HIGHLINE	1
18	30296(2)*	PAINT,CATALYST,SPO3937P2	1
19	30552	RIVET,ST,3/16x.565,.625 HEAD	2
20	31008	BOLT,CARR,1/2X1-1/2,UNC,GR5,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	32994	WHEEL,16.5x16.1,-1.5,8,WH	2
33	92028	SIGN,SLOWMOVING,S276.5	1
34	33443(65)*	WIRE,WELDING,.045	1
35	31613*	TIE,CABLE,NYLON,BLACK,11 1/2"	1
36	31747*	BAG,PLASTIC,6x9	1
37	33316(12)*	OIL,HYDRAULIC,UTF	1
38	E7028	LUMBER,4X4X8FT,PINE,ROUGH	2

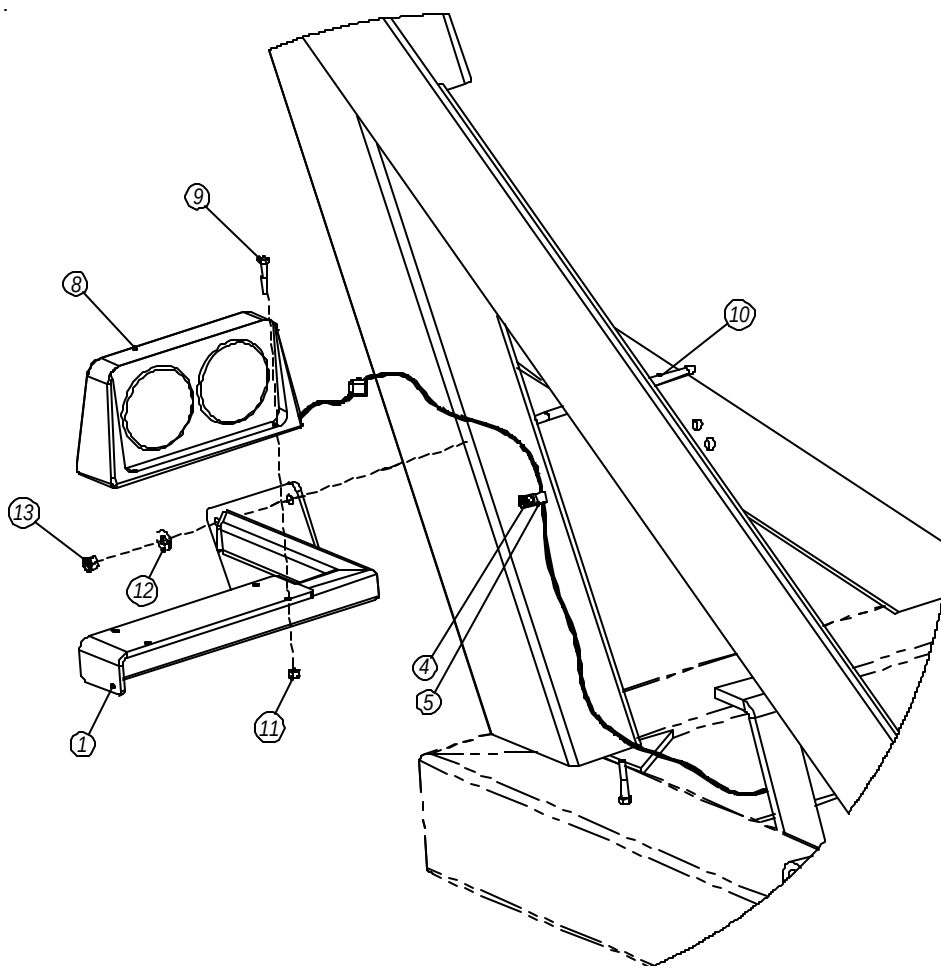
* NOT SHOWN



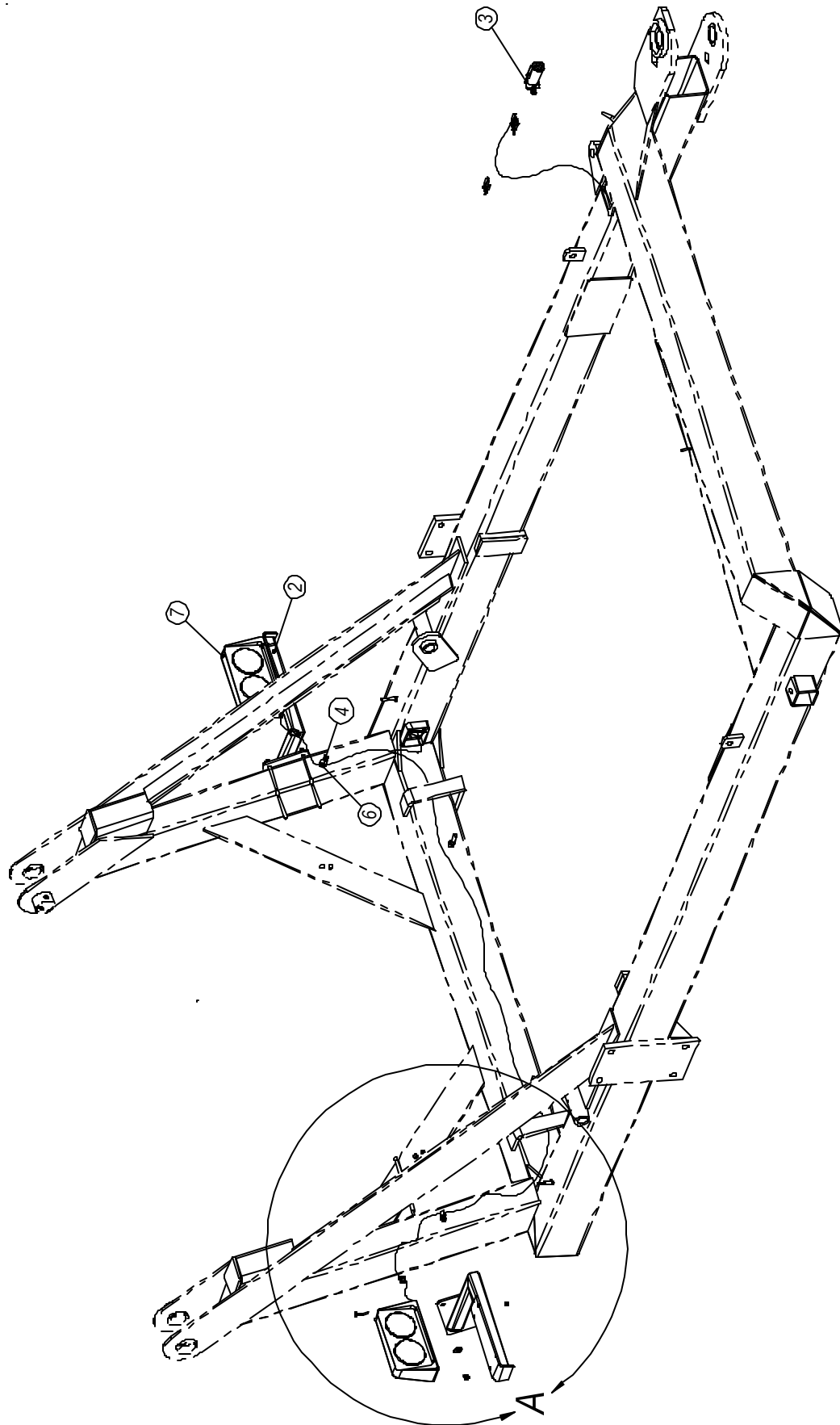
5.2 Light Kit (Part No. 48107)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	48109	BRACKET,LIGHT,RIGHT,RP	1
2	48110	BRACKET,LIGHT,LEFT,RP	1
3	48108	ELEC,HARNESS,LIGHTS,XL6084	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	31351	WASHER,FLAT,3/8,ZP	8
13	31176	NUT,NYLOCK,3/8,UNC,ZP	8
14	31613*	TIE,CABLE,NYLON,BLACK,11 1/2"	12
15	92143(3.5)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	2

* NOT SHOWN



DETAIL A



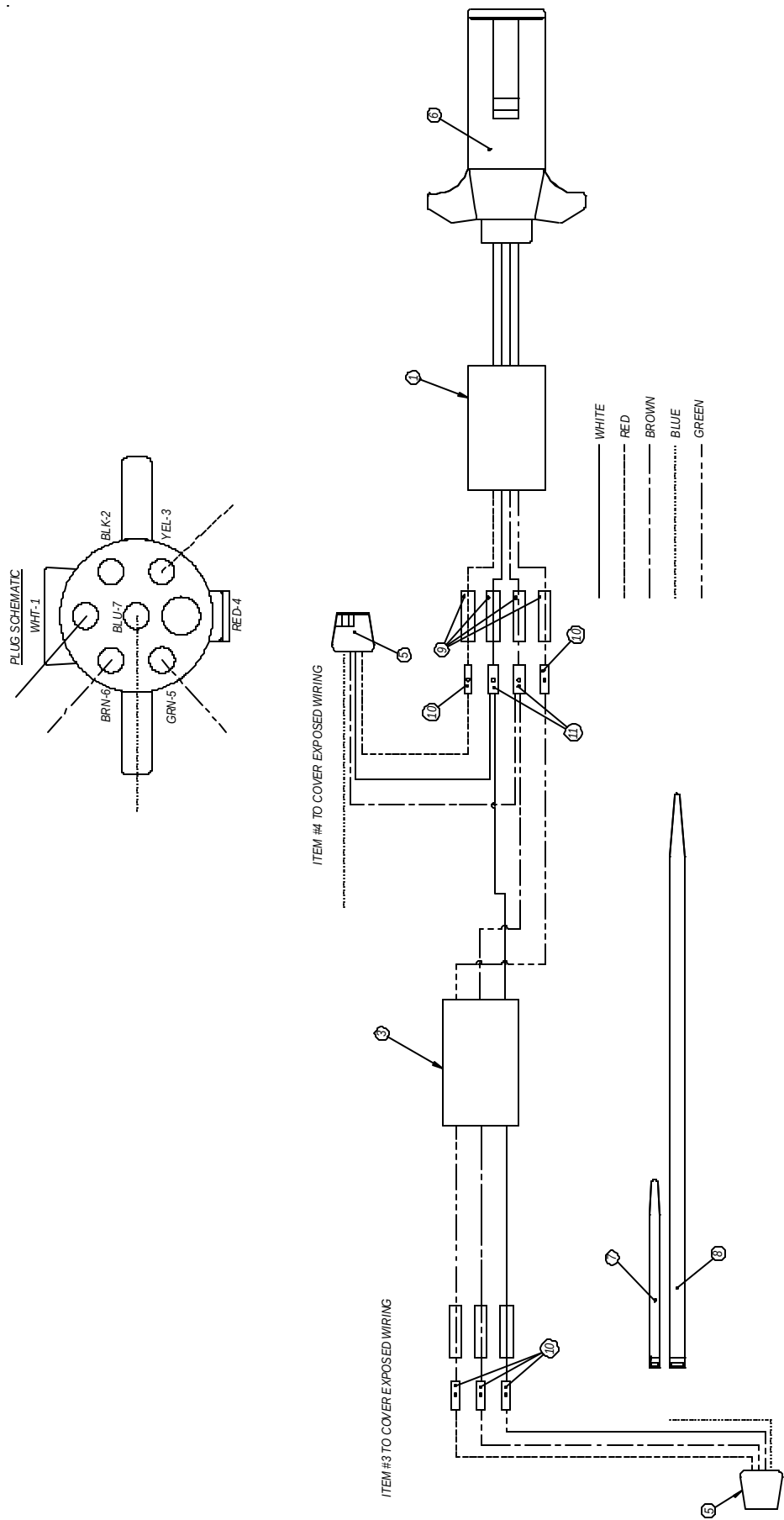
5.2.1 Light Harness Assembly (Part No. 48108)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E3792(7.33)	ELEC,CABLE,4-14,ULTRA-FLEX	1
2	E4244(25)	ELEC,CABLE,4-14,ULTRA-FLEX	1
3	E4246(1.5)*	ELEC,LOOM,1/2,SPLIT,CORRUGATED	1
4	E4247(1.5)*	ELEC,LOOM,3/4,SPLIT,CORRUGATED	1
5	30555	ELEC,CONNECTOR,LIGHT,FEMALE	2
6	30556	ELEC,CONN,7 WIRE,FEMALE	1
7	92170	TIE,CABLE,4",BLACK	8
8	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	4
9	31976**	ELEC,HEAT SHRINK,DUAL WALL,TUBE,1/4X48	7
10	31977	ELEC,CONN,BUTT,16-14GA,NON INSULATED	5
11	31978	ELEC,CONN,BUTT,12-10GA,NON INSULATED	2

*ITEMS NOT SHOWN

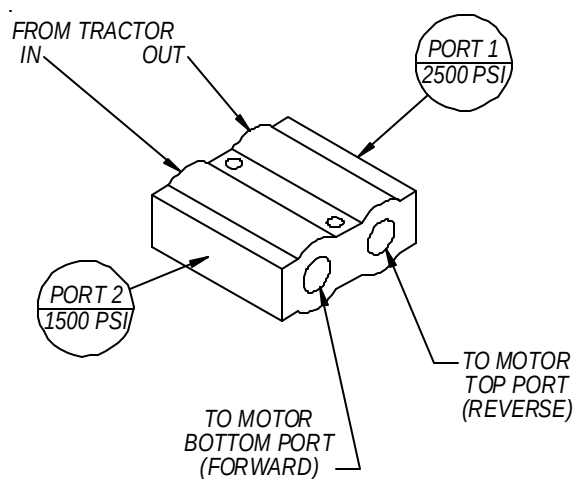
WIRE AND LOOM LENGTHS ARE IN FEET

**HEAT SHRINK TUBE DIMENSION IN INCHES

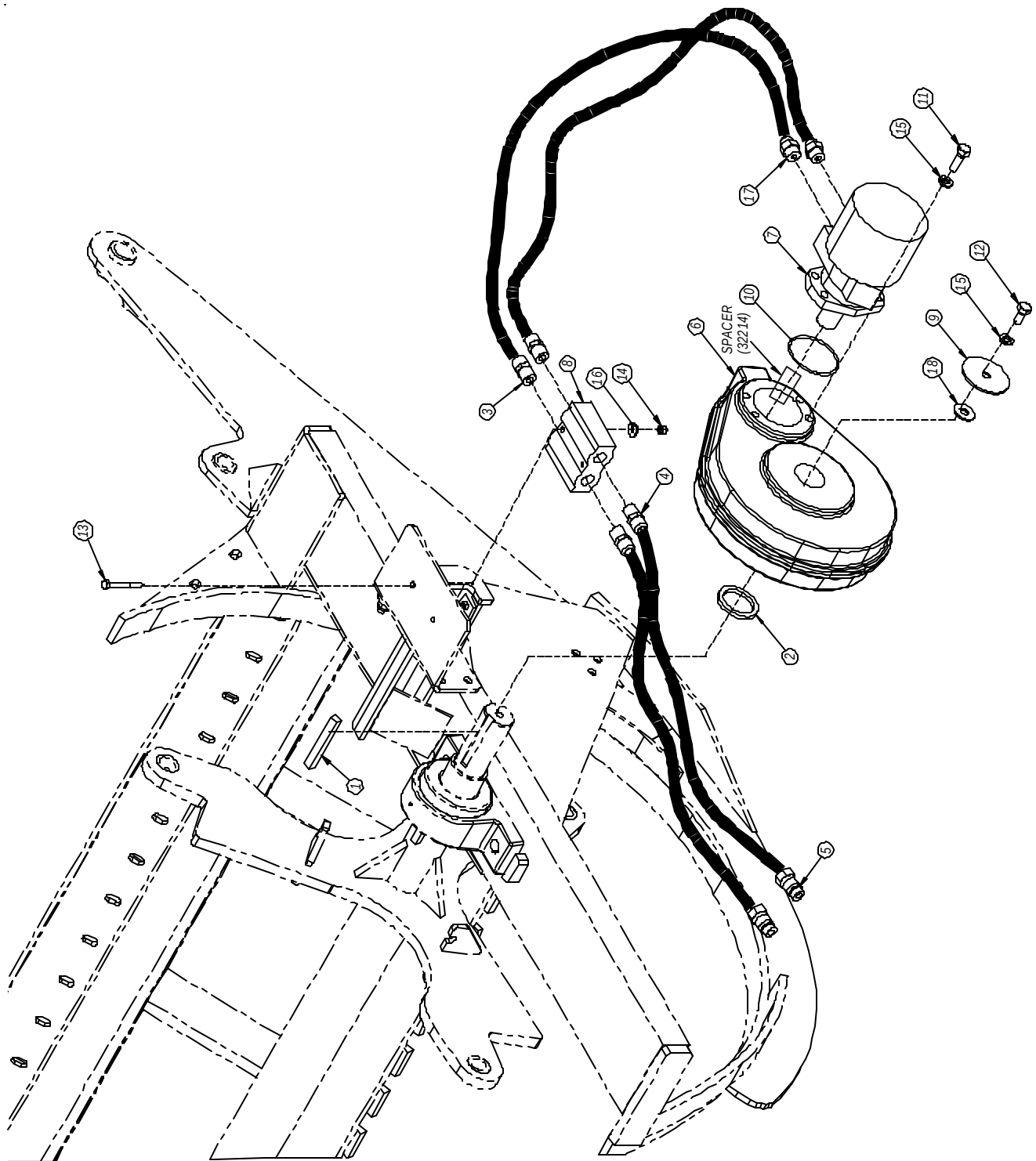


5.3 Hydraulic Motor Assembly (Part No. 70083)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E3045	KEY, SHAFT, DRIVE, REEL	1
2	E3044	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

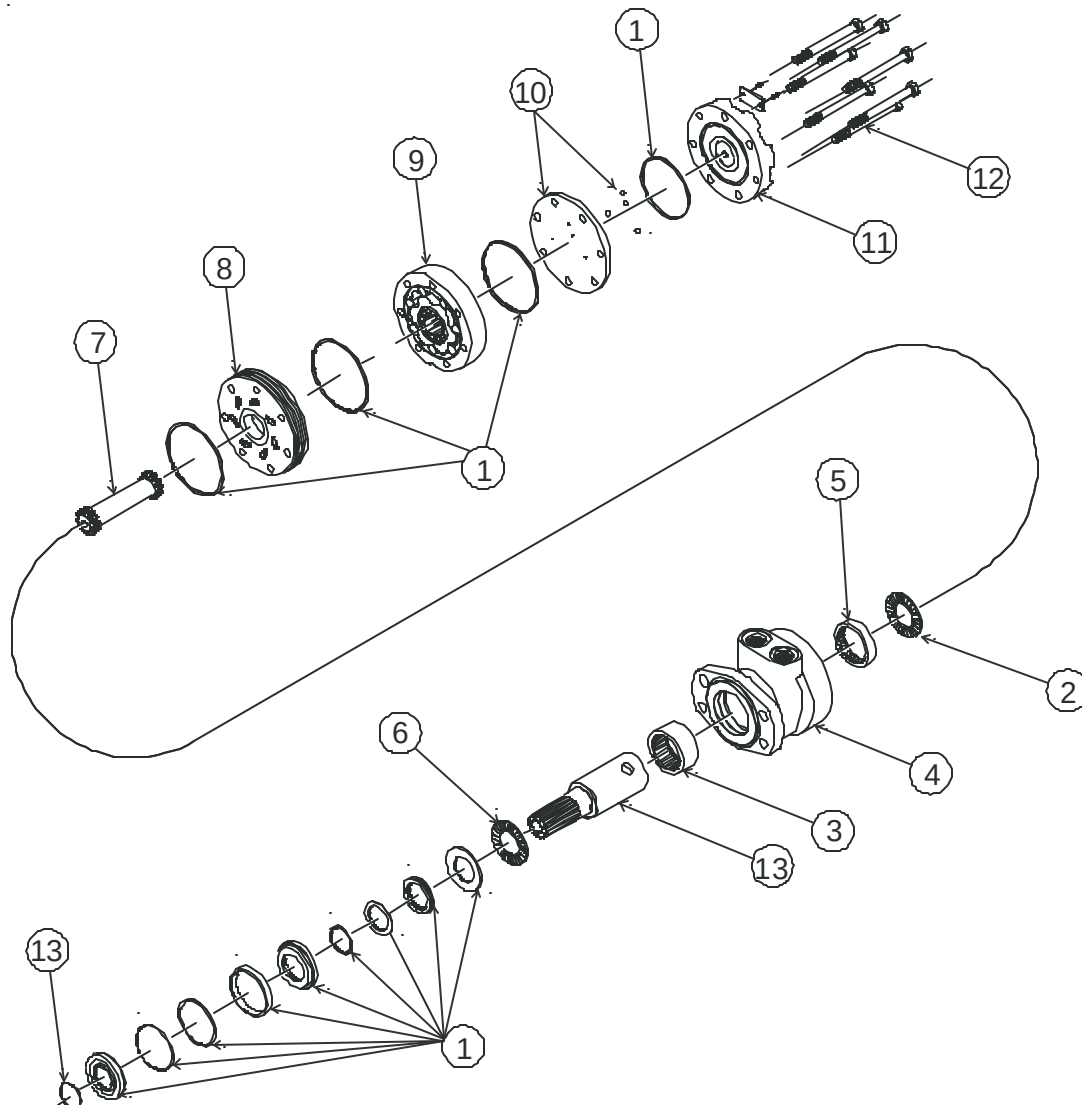


CUSHION VALVE ORIENTATION



5.3.1 Hydraulic Motor (Part No. 32644)

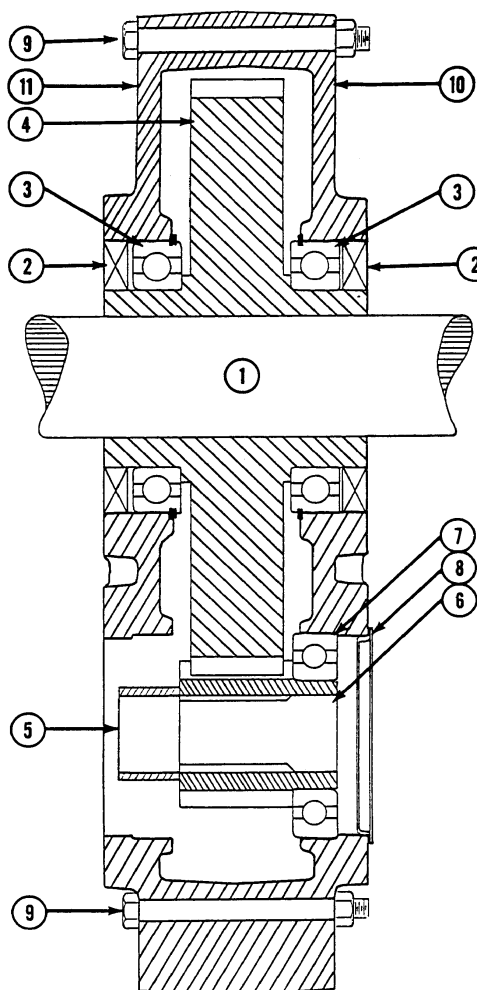
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32647	SEAL KIT,ROLLER STATOR	1
2	32651	BEARING,THRUST,REAR	1
3	32720	BEARING,HOUSING,FRONT	1
4	33047	HOUSING KIT	1
5	32649	BEARING,HOUSING,REAR,1/2	1
6	32639	BEARING,THRUST,FRONT	1
7	33048	DRIVE LINK	1
8	32725	MANIFOLD	1
9	33049	ROTOR KIT	1
10	32726	BALANCE PLATE & 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)

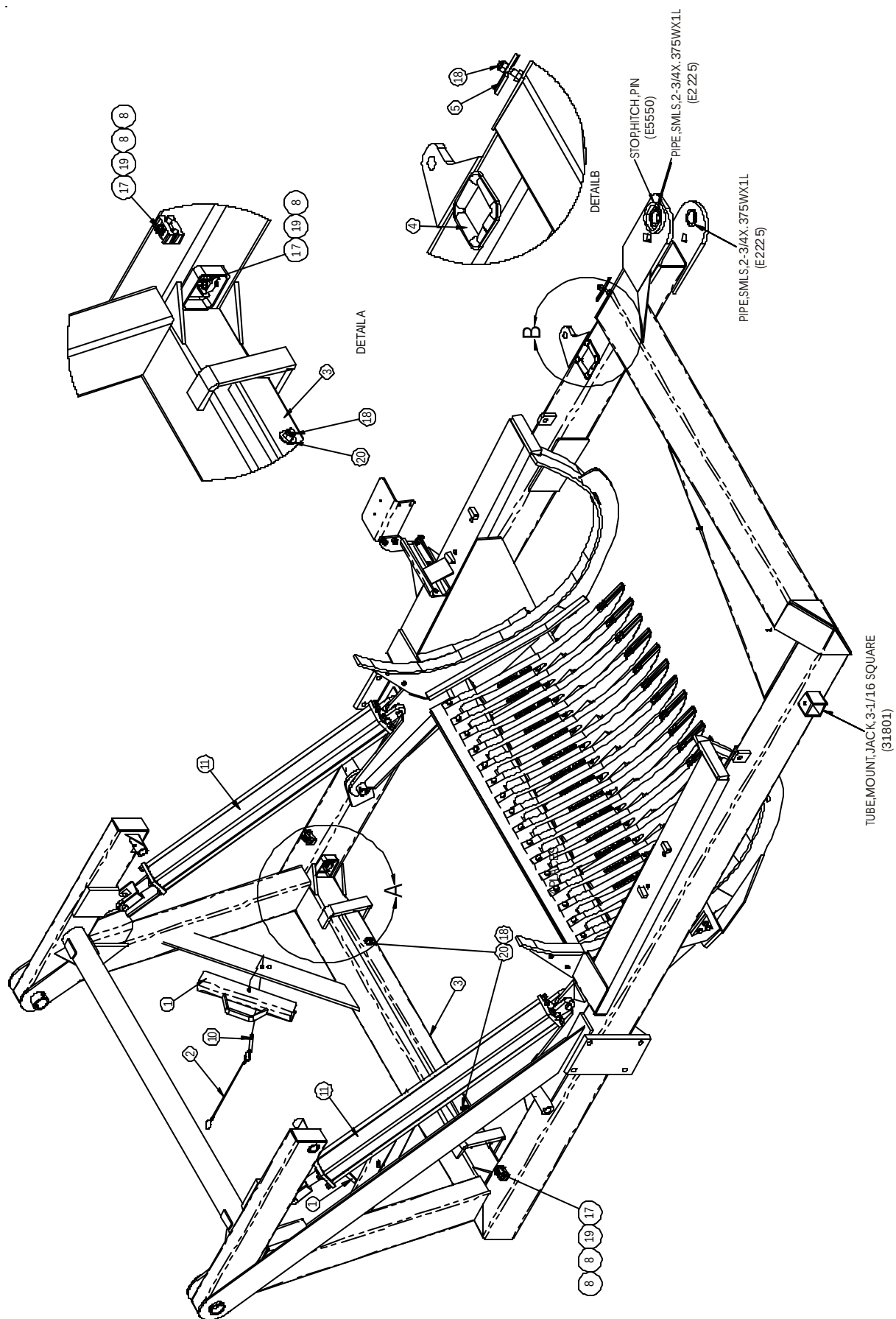
ITEM	PART NO.	DESCRIPTION	QTY
1	70094	DRIVE.ARM.REEL	1
2	32210	SEAL	2
3	32211	BEARING	2
4	32216	GEAR	1
5	32214	SPACER	1
6	32215	PINION	1
7	32212	BRG	2
8	32213	COVER	1
9	31050	BOLT.HEX.5/16X3.UNC.GR5.ZP	12
10	31177	NUT.NYLOCK.5/16.UNC.ZP	12
11	32218	SHELL-BACK-PLAIN	1
12	32217	SHELL-FRONT-W/OIL PLUGS	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

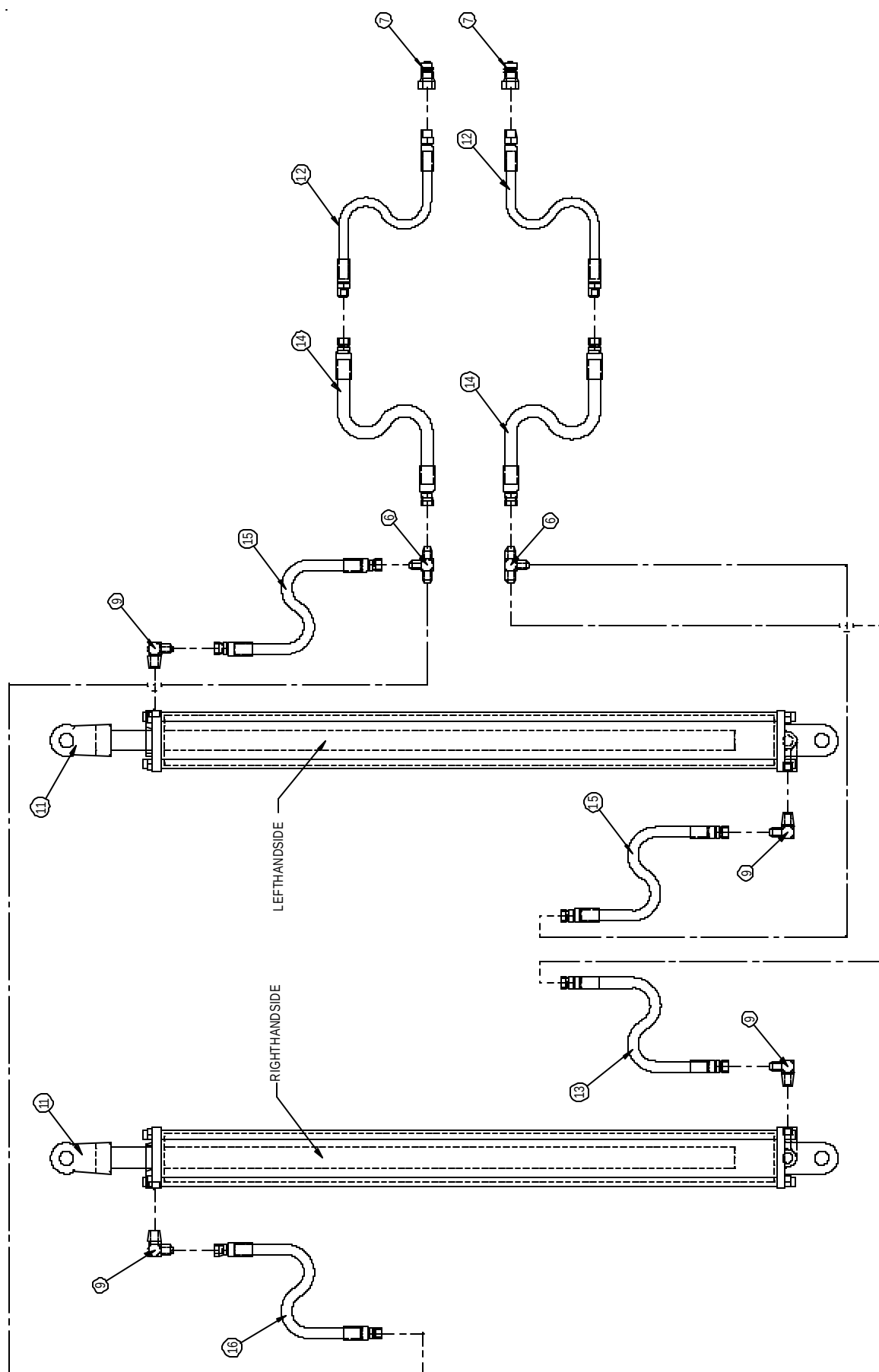
*Not Shown



5.4 Hydraulic Cylinder Assembly (Part No. 70622)

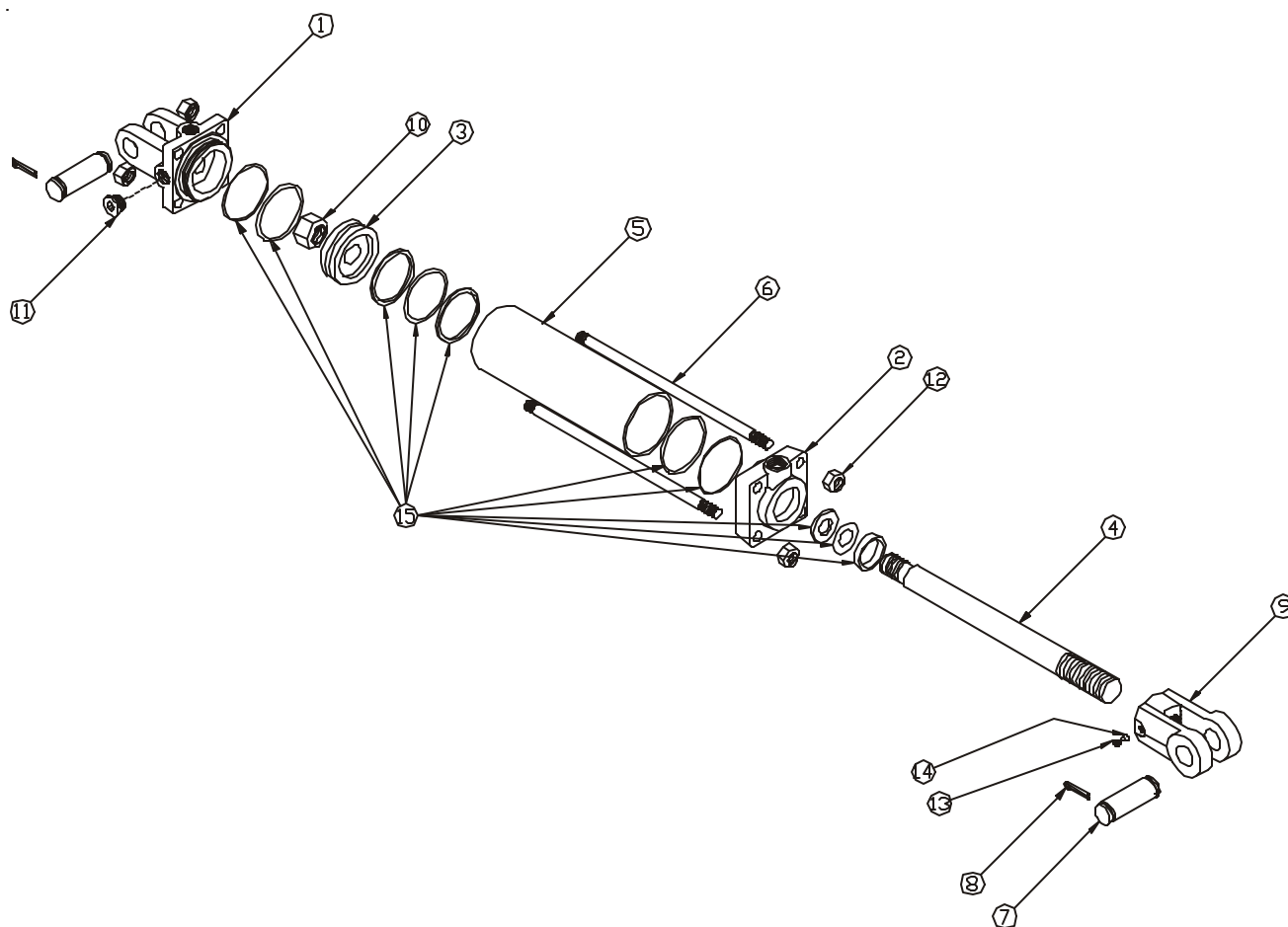
ITEMNO.	PARTNO.	DESCRIPTION	QTY.
1	49196	LOCK,CYLINDER,DUMP	2
2	70632	TETHER,CABLE,12"	2
3	E2636	GUARD,LINE,HYDRAULIC	1
4	E4247	ELEC,LOOM,SPLIT,3/4X18	1
5	E5553	CLAMP,HOSE,HYD	1
6	30151	HYD,FIT,TEE,8MJ	2
7	30209	HYD,FIT,PIONEER,MALE,8FP	2
8	30210	HYD,CLAMP,HOSE,1/2	5
9	30212	HYD,FIT,ELBOW,8MP-8MJ90	4
10	31813	PIN,QUICKRELEASE,1/2X3,ZP	2
11	32260	HYD,CYL,3.5x42,1.5,8FP	2
12	30159	HYD,HOSE,1/2X96,8MP-8MJ,1W	2
13	30561	HYD,HOSE,3/8X122,8FJX-8FJX,1W	1
14	31665	HYD,HOSE,1/2X156,8FJX-8FJX,1W	2
15	32054	HYD,HOSE,3/8X54,8FJX-8FJX,1W	2
16	32614	HYD,HOSE,3/8X109,8FJX-8FJX,1W	1
17	31177	NUT,NYLOCK,5/16,UNC,ZP	3
18	31173	NUT,NYLOCK,1/2,UNC,ZP	3
19	31239	WASHER,FLAT,5/16,ZP	3
20	31236	WASHER,FLAT,1/2,ZP	2





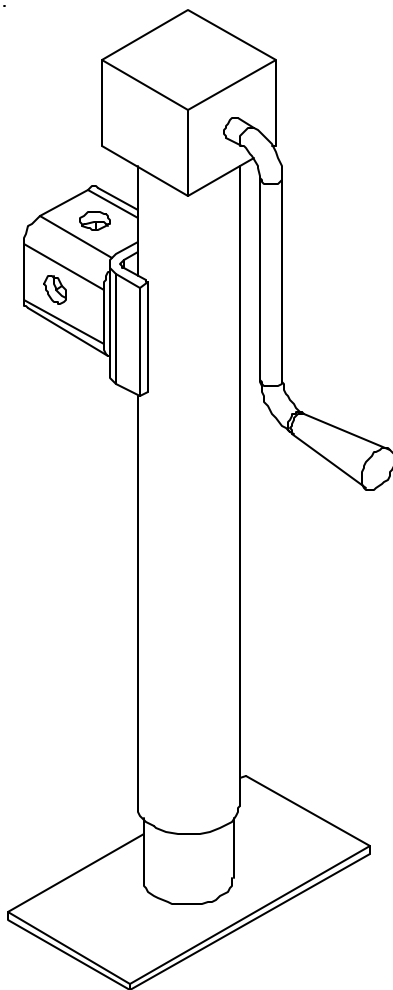
5.4.1 3-1/2x42 Cylinder (Part No. 32260)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30258	HYD,CYL,CLEVIS,CAP,3-1/2,NPTF	1
2	30259	HYD,CYL,CAP,ROD,3-1/2X11/2,8FP,3000PSI	1
3	30251	HYD,CYL,PISTON,3-1/2,H6688	1
4	32265	HYD,CYL,ROD,1-1/2" FOR 3.5X42CYL	1
5	32262	HYD,CYL,TUBE	1
6	32267	HYD,CYL,TIEROD,1/2X46-1/2,UNC	4
7	32250	HYD,CYL,PIN,1	2
8	30238	PIN,COTTER,3/16X1-1/2	4
9	30253	HYD,CYL,CLEVIS,1-1/4,1PIN	1
10	30237	NUT,HEX,1,UNS,GR5	1
11	30240	HYD,FIT,PLUG,1/2-14 NPTF, DRY SEAL	1
12	30663	NUT,HEX,5/8,UNF,GR5,ZP	8
13	30239	SETSCREW, SOCKET, 3/8X1/2KNUR	1
14	30261	LOCK, THREAD, NYLOCK	1
15	30263	HYD,CYL,SEAL KIT,3-1/2	1



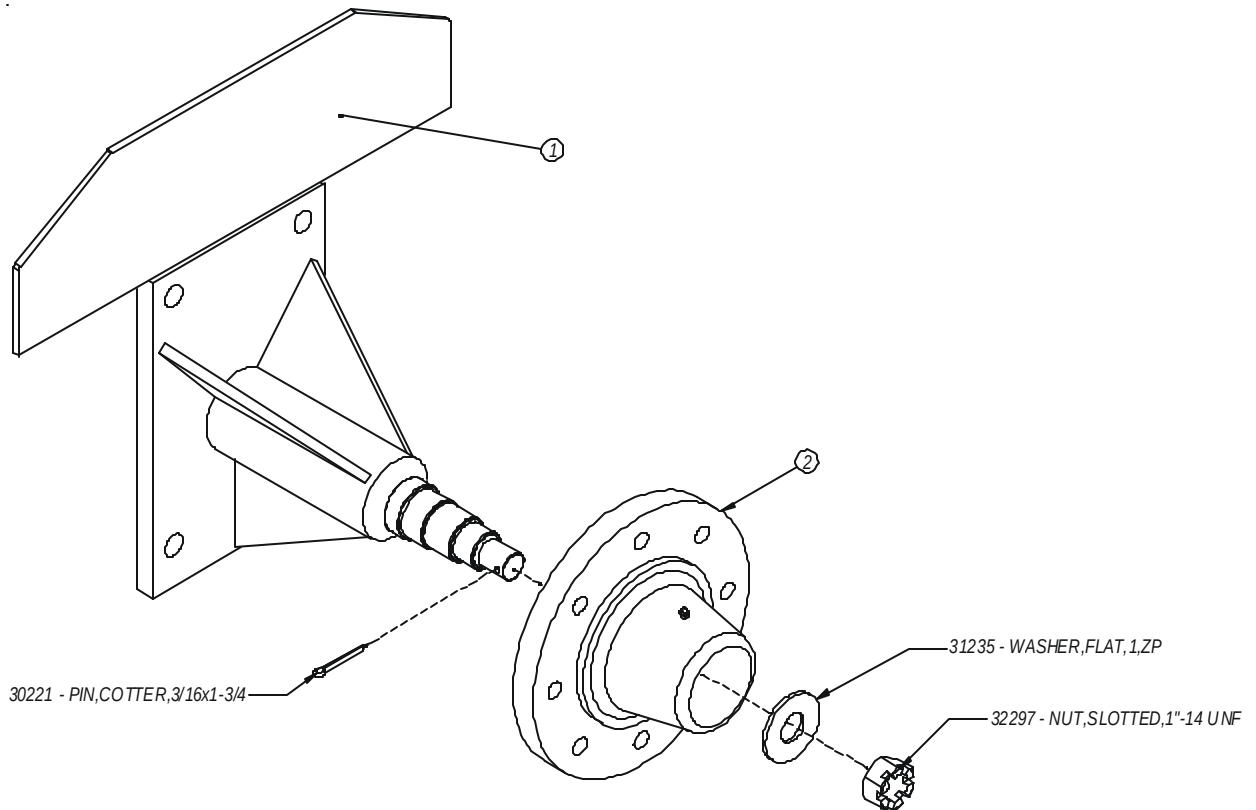
5.5 Jack Assembly (Part No. 31800)

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. 70602)

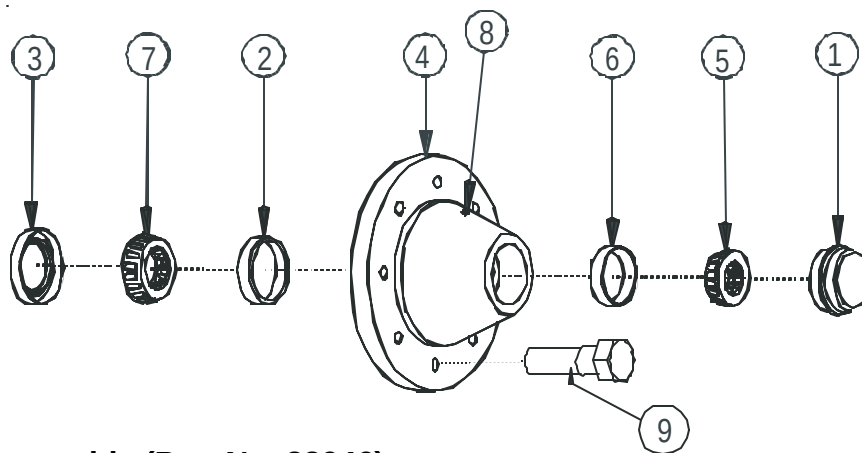
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70603	WLDT,AXLE,6084	1
2	30102	SUSP,HUB,COMPLETE,EM5500	1



PARTS REMOVED FOR CLARITY

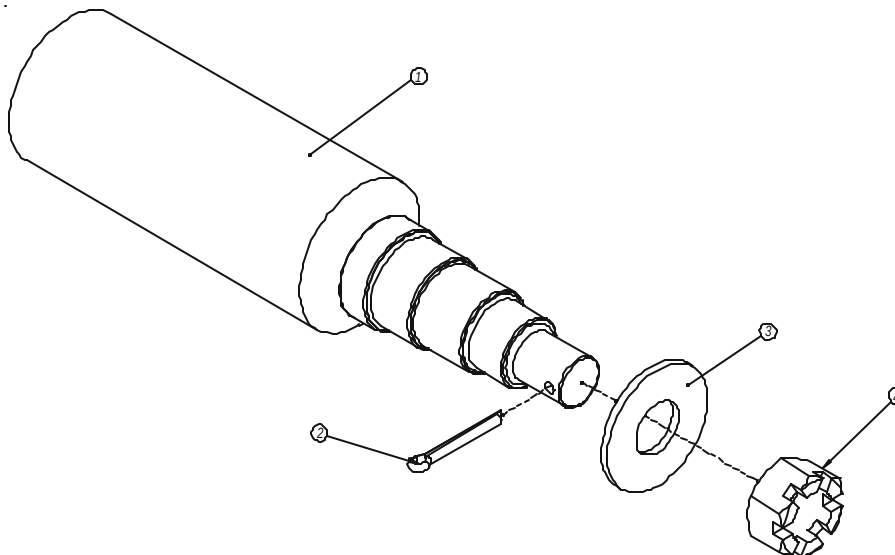
5.6.1 EM5500 Hub (Part No. 30102)

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	30220	SUSP,CAP,DUST	1
2	30226	DRV,BRG,RACE,INNER,1.781	1
3	30228	DRV,BRG,SEAL,1.98	1
4	30229	SUSP,HUB,EM5500,8BOLT	1
5	91111	DRV,BRG,TAPERED,OUTER,1.375	1
6	91131	DRV,BRG,RACE,OUTER,1.375	1
7	91133	DRV,BRG,TAPERED,INNER,1.781	1
8	30207	ZERK,1/4-28,GF641,STRAIGHT	1
9	32301	SUSP,BOLT,WHEEL,9/16X1-1/4TX1-13/16L	8



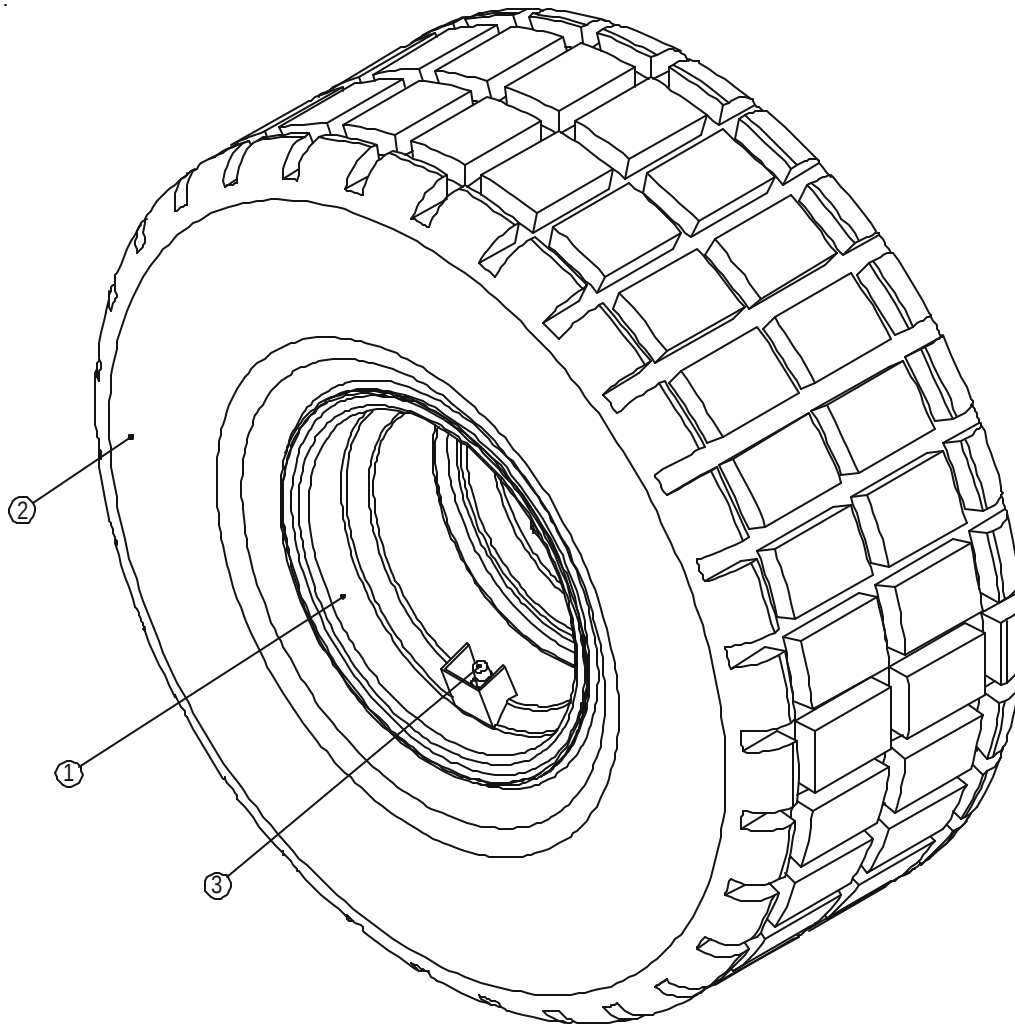
5.6.2 Spindle Assembly (Part No. 33046)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	33046	SUSP,SPINDLE,EM5500,12-3/4"x3"	1
2	30221	PIN,COTTER,3/16X1-3/4	1
3	31235	WASHER,FLAT,1,ZP	1
4	32297	NUT,SLOTTED,1"-14 UNF	1



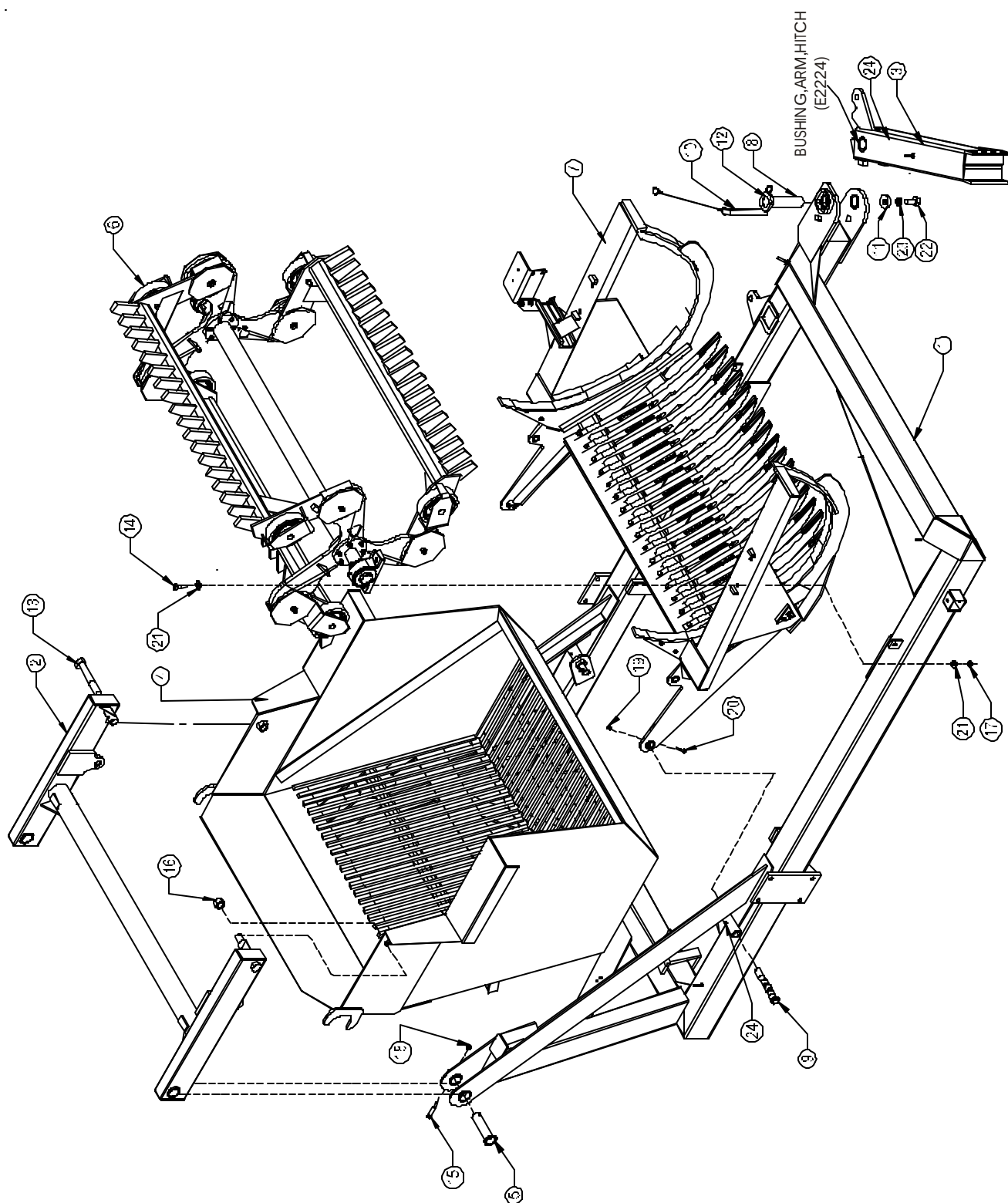
5.7 Wheel Assembly (Part No. 32994)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32992	SUSP, RIM, W14CX16.1, -1.5, 8, WH	1
2	32324	SUSP, TIRE, 16.5LX16.1, ST2, 6PLY	1
3	91048	SUSP, STEM, VALVE, TR801HP	1



5.8 Pre-Paint Assembly (Part No. 70132)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70000	FRAME,WLDT,6	1
2	70001	DUMP,BUCKET,6	1
3	70002	ARM,HITCH	1
4	70008	BUCKET,6	1
5	70025	PIN,DUMP	2
6	70702	ASSY,REEL,COMPLETE,6084	1
7	70081	APRON,COMPLETE,6	1
8	70190	HITCH,PIN	1
9	70193	PIN,PIVOT,APRON	2
10	70300	HITCH,STOP,ASSY	1
11	E2240	WASHER,HITCH,BOTTOM	1
12	91609	PIN,HITCH,5/32X3	1
13	31035	BOLT,HEX,1-1/4X8,UNC,GR8,ZP	2
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	31165	NUT,HEX,1-1/4,UNC,GR5,ZP	2
17	31169	NUT,STOVER,5/8,UNC,GR5,ZP	4
18	31173	NUT,NYLOCK,1/2,UNC,ZP	2
19	31176	NUT,NYLOCK,3/8,UNC,ZP	2
20	31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	2
21	32075	WASHER,FLAT,1-1/2X11/16X3/16	8
22	33083	BOLT,HEX,1X2,UNC,GR5,ZP	1
23	31243	WASHER,LOCK,1,ZP	1
24	30207	ZERK,1/4-28,GF641,STRAIGHT	3

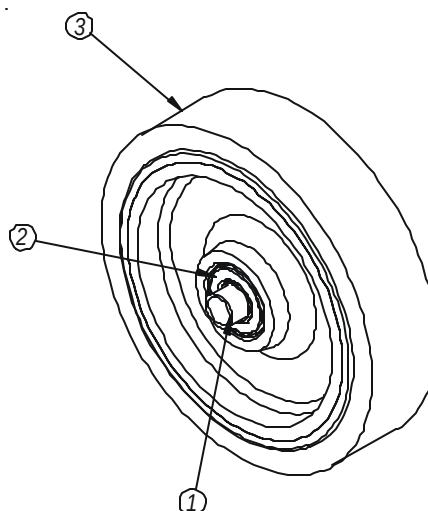


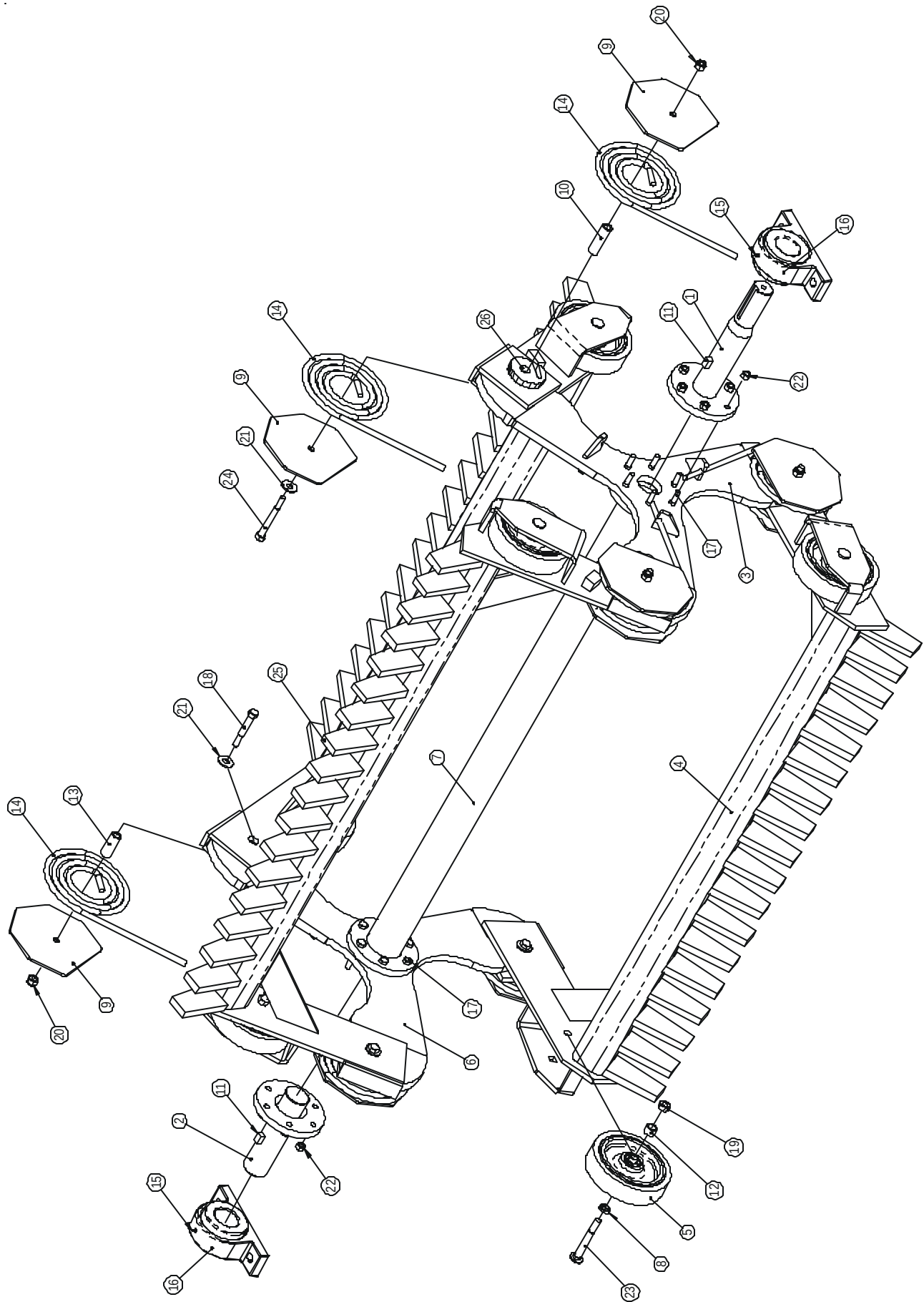
5.8.1 Reel Assembly (Part No. 70702)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70094	DRIVE,ARM,REEL	1
2	70095	IDLER,ARM,REEL	1
3	70097	ARM,REEL,7	1
4	70196	BATT,REEL,6,COMMON	3
5	70106	WHEEL,BOGIE,COMPLETE	6
6	70700	WLDT, ARM,REEL,6084,RT	1
7	70701	WLDT,TUBE,REEL,6084	1
8	E2304	PIPE,SCH40,3/4x1/4L	6
9	E4548	PLT,RETAINER,SPRING	9
10	E4549	PIPE,SMLS,1x.188x3-1/4L	3
11	E4559	PLT,R,1/2x1/2x1	2
12	E4626	PIPE,SCH40,3/4x11/16L	6
13	E5342	PIPE,SMLS,1x.188x2-1/2L	3
14	30138	SPRING,REEL	9
15	30207	ZERK,1/4-28,GF641,STRAIGHT	2
16	32373	DRV,BRG,PILLOW-BLOCK,2-7/16	2
17	31022	BOLT,HEX,1/2X3,UNC,GR8,ZP	12
18	31155	BOLT,HEX,9/16X4,UNC,GR5,ZP	3
19	31169	NUT,STOVER,5/8,UNC,GR5,ZP	6
20	31179	NUT,NYLOCK,9/16,UNC,ZP	6
21	31242	WASHER,FLAT,9/16,ZP	6
22	31612	NUT,STOVER,1/2,UNC,ZP	12
23	31642	BOLT,CARR,5/8X5,UNC,GR5,ZP	6
24	31643	BOLT,HEX,9/16X5,UNC,GR8,ZP	3
25	E2294	TOOTH,REEL	
26	E2308	PIPE,SMLS,1-1/2X.240X3/4L	

5.8.1.1 Bogie Wheel Assembly (Part No. 70106)

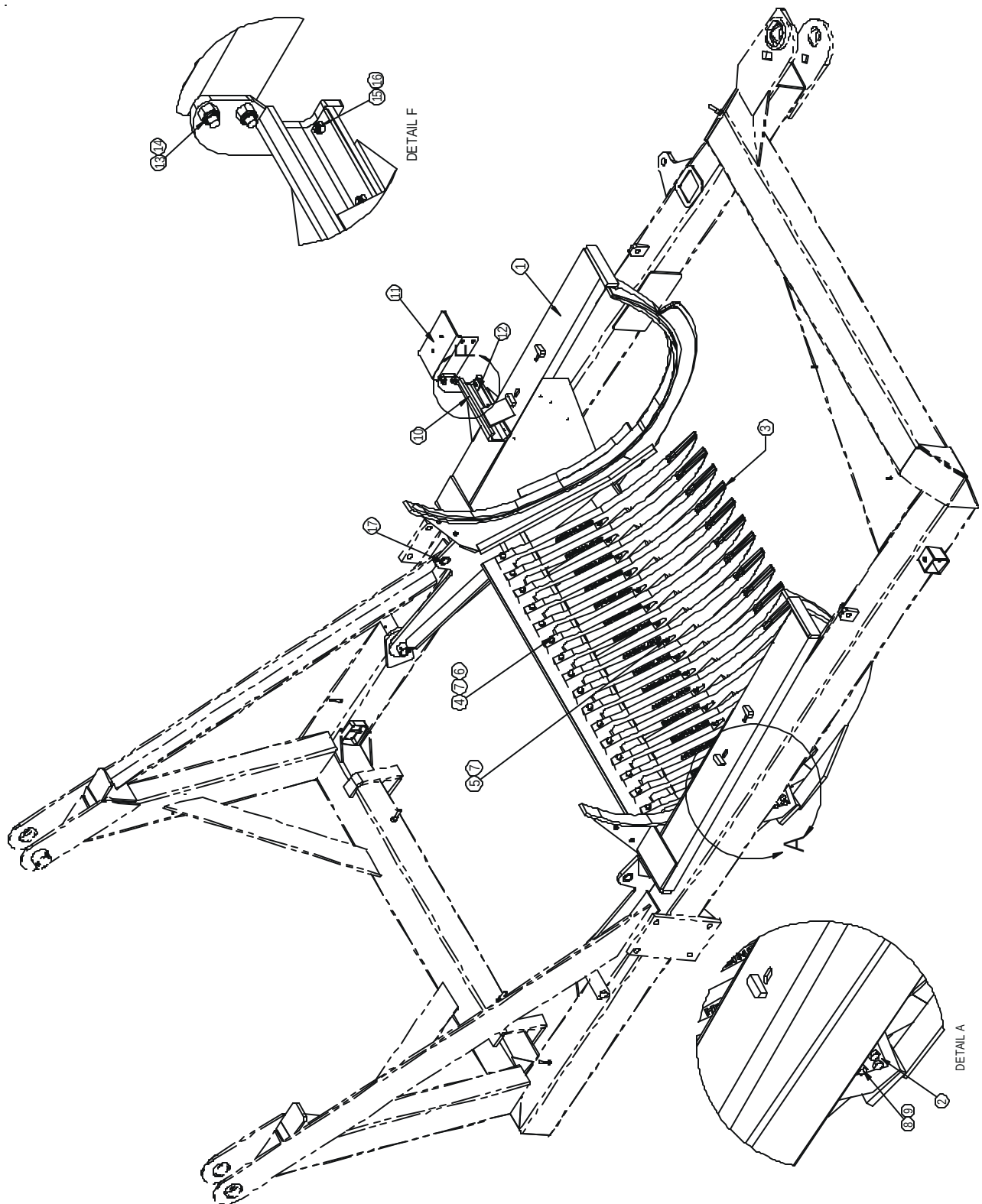
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E4627	BUSHING,WHEEL,BOGIE	1
2	32376	BEARING,BALL,.788,1.65	2
3	32357M	CASTING,RUBBERIZED	1





5.9 Apron Assembly (Part No. 70081)

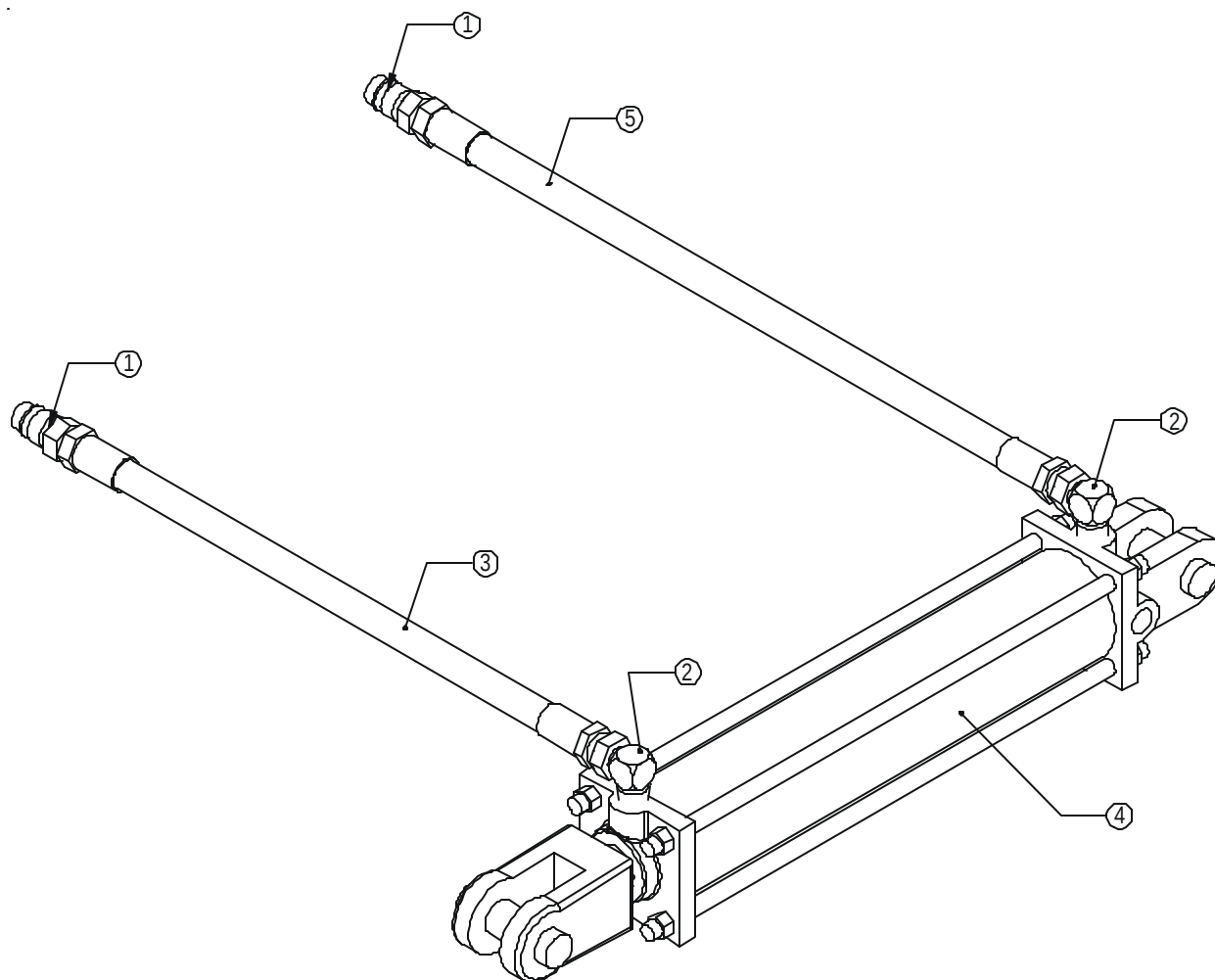
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	70200	APRON,WLDT,6	1
2	E5356	STOP,APRON,DBL	4
3	32466M	TYNE,APRON	17
4	31019	BOLT,HEX,1/2X2-1/2,UNC,GR8,ZP	17
5	31024	BOLT,HEX,1/2X3-1/2,UNC,GR8,ZP	17
6	31236	WASHER,FLAT,1/2,ZP	17
7	31612	NUT,STOVER,1/2,UNC,ZP	34
8	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	6
9	31173	NUT,NYLOCK,1/2,UNC,ZP	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	E2261	PIPE,SMLS,1-1/2X.240X3/4L	



6.0 Options

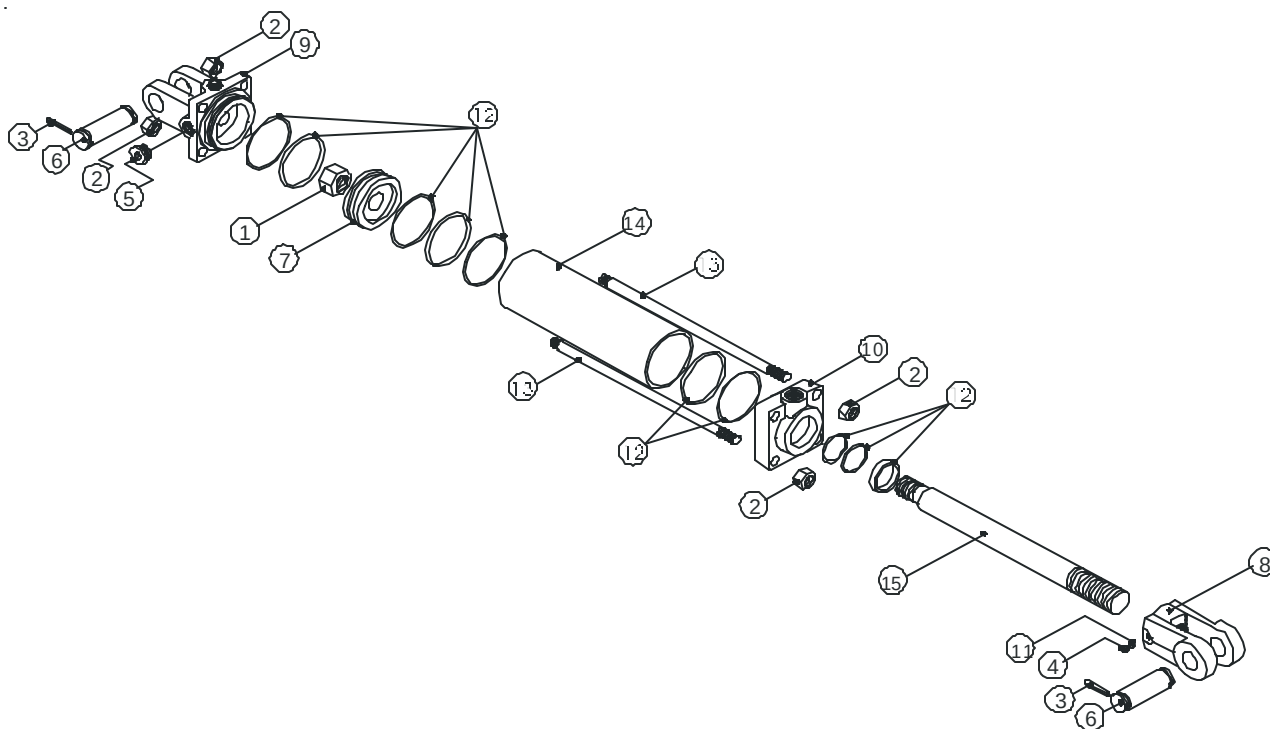
6.1 Swing Hitch Assembly (Part No. 70178)

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



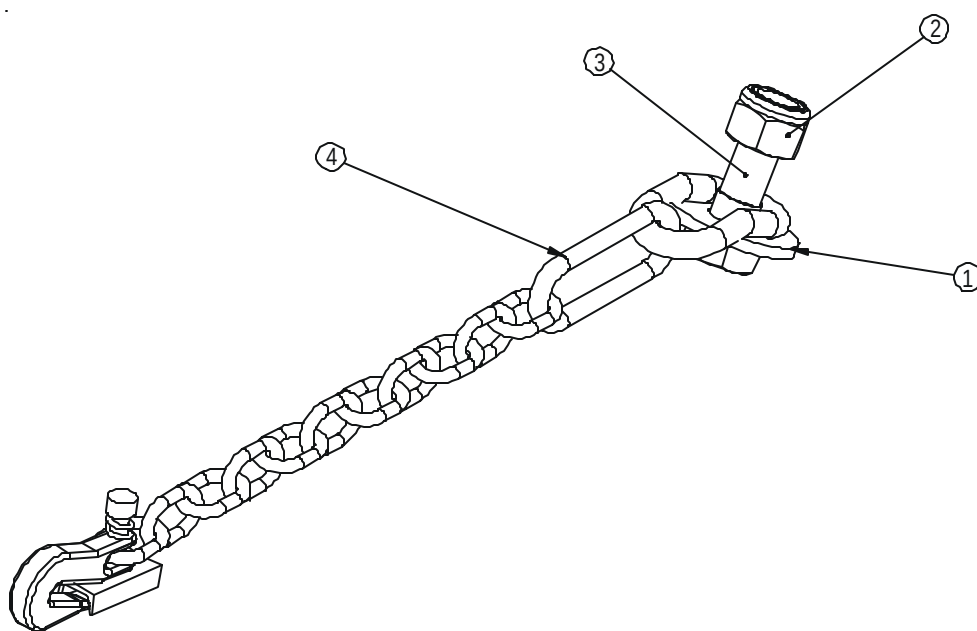
6.1.1 3x14 Cylinder (Part No. 32247)

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)

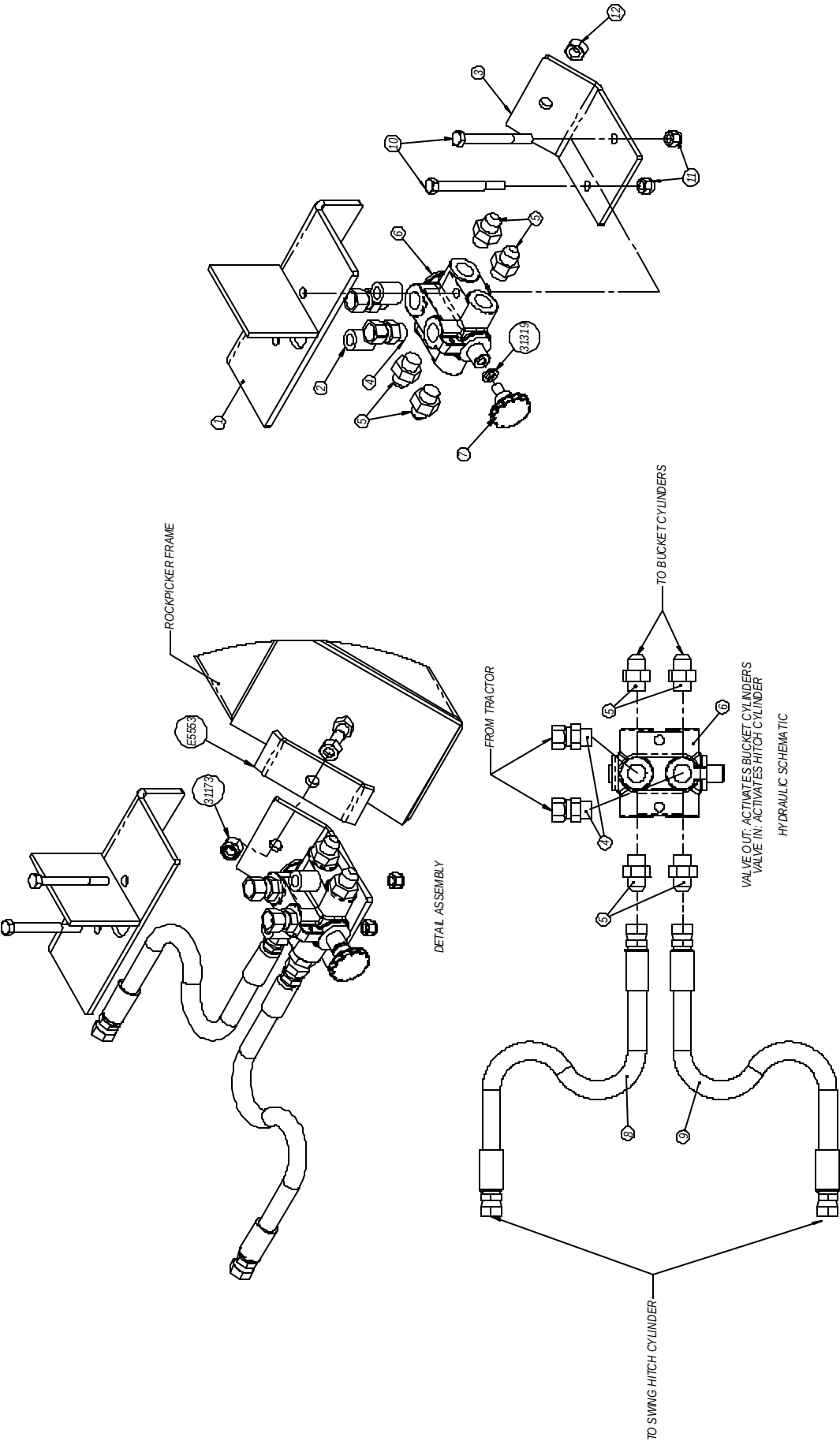
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E6151	PLT,C,1/4x3	1
2	31172	NUT,NYLOCK,1,UNC,ZP	1
3	31471	BOLT,HEX,1X3,UNC,GR5,ZP	1
4	31590	CHAIN,SAFETY,ASAE,10100LB,54"	1



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6.3 Selector Valve Option (Part No. RPOSV-3 (89042))

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, VALV E, 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	31163	NUT, HEX, 1/2, UNC, GR5, ZP	1



7.0 Parts Index

Part No.	Description	Page	Item
30102	SUSP,HUB,COMPLETE,EM5500	39	2
30138	SPRING,REEL	44	14
30151	HYD,FIT,TEE,8MJ	34	6
30152	HYD,FIT,ADAPTER,8MB-8FJX	52	4
30159	HYD,HOSE,1/2X96,8MP-8MJ,1W	34	12
30161	RIVET,ST,5/32X.665,.312 HEAD	24	14
30204	HYD,FIT,ADAPTER,10MB-8MJ	30	17
30206	HYD,HOSE,HOLDER,1/2	24	15
30207	ZERK,1/4-28,GF641,STRAIGHT	40	8
30207	ZERK,1/4-28,GF641,STRAIGHT	42	24
30207	ZERK,1/4-28,GF641,STRAIGHT	44	15
30208	PLT,SERIAL #	14	12
30208	PLT,SERIAL #	24	16
30209	HYD,FIT,PIONEER,MALE,8FP	30	5
30209	HYD,FIT,PIONEER,MALE,8FP	34	7
30209	HYD,FIT,PIONEER,MALE,8FP	48	1
30210	HOSECLAMP,1/2	34	8
30212	HYD,FIT,ELBOW,8MP-8MJ90	34	9
30212	HYD,FIT,ELBOW,8MP-8MJ90	48	2
30215	HYD,FIT,APAPTER,8MB-8MJ	52	5
30220	SUSP,CAP,DUST	40	1
30221	PIN,COTTER,3/16X1-3/4	40	2
30226	DRV,BRG,RACE,INNER,1.781	40	2
30228	DRV,BRG,SEAL,1.98	40	3
30229	SUSP,HUB,EM5500,8BOLT	40	4
30237	NUT,HEX,1,UNS,GR 5	37	10
30237	NUT,HEX,1,UNS,GR5	49	2
30238	PIN,COTTER,3/16X1-1/2	37	8
30238	PIN,COTTER,3/16X1-1/2	49	3
30239	SETSCREW,SOCKET,3/8X1/2KNUR	37	13
30239	SETSCREW,SOCKET,3/8X1-1/2KNUR	49	4
30240	HYD,FIT,PLUG,1/2-14 NPTF,DRY	37	11
30240	HYD,FIT,PLUG,1/2-14 NPTF,DRY	49	5
30250	HYD,CYL,PISTON,3,H6680	49	7
30251	HYD,CYL,PISTON,3-1/2,H6688	37	3
30253	HYD,CYL,CLEVIS,1-1/4,1 PIN	37	9
30253	HYD,CLEVIS,1-1/4,1PIN	49	8
30256	HYD,CYL,CLEVIS,CAP,3,NPTF	49	9
30257	HYD,CYL,CAP,ROD,3X1-1/4,NPTF	49	10
30258	HYD,CYL,CLEVIS,CAP,3-1/2,NPTF	37	1
30259	HYD,CYL,CAP,ROD,3-1/2X1-1/2	37	2
30261	LOCK, THREAD, NYLON	37	14
30261	LOCK,THREAD,NYLON	49	11
30262	HYD,CYL,SEALKIT,3,1-1/4ROD	49	12
30263	HYD,CYL,SEAL KIT,3-1/2,639578	37	15
30294	SCREW,TEK,1/4X1	26	4
30526	ELEC,LIGHT,RED&AMBER,LEFT	26	7
30527	ELEC,LIGHT,RED&AMBER,RIGHT	26	8
30552	RIVET,ST,3/16X.565,.625 HEAD	24	19
30555	ELEC,CONNECTOR,LIGHT,FEMALE	28	5

30556	ELEC,CONN,7 WIRE,FEMALE	28	6
30561	HYD,HOSE,3/8X122,8FJX,1W	34	13
30577	DECAL,RED REFL,2X9	14	1
30578	DECAL,AMBER REFL,2X9	14	2
30586	HYD,HOSE,1/2X20,8FJX-8MP,1W	30	3
30663	NUT,HEX,5/8,UNF,GR5,ZP	37	12
31008	BOLT,CARR,1/2X1-1/2,UNC,GR5,ZP	24	20
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	30	11
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	46	13
31019	BOLT,HEX,1/2X2-1/2,UNC,GR8,ZP	46	4
31022	BOLT,HEX,1/2X3,UNC,GR8,ZP	44	17
31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	42	15
31024	BOLT,HEX,1/2X3-1/2,UNC,GR8,ZP	46	5
31029	BOLT,HEX,1/4X1,UNC,GR5,ZP	46	15
31035	BOLT,HEX,1-1/4X8,UNC,GR8,ZP	42	13
31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	24	21
31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	24	22
31048	BOLT,HEX,5/16X2-1/2,UNC,GR5,ZP	30	13
31050	BOLT,HEX,5/16X3,UNC,GR5,ZP	33	9
31054	BOLT,HEX,5/82X2-1/2,UNC,GR5,ZP	42	14
31069	BOLT,HEX,1/2X1,UNC,GR5,ZP	30	12
31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	46	8
31155	BOLT,HEX,9/16X4,UNC,GR5,ZP	44	18
31163	NUT,HEX,1/2,UNC,GR5,ZP	49	1
31163	NUT,HEX,1/2,UNC,GR5,ZP	52	12
31165	NUT,HEX,1-1/4,UNC,GR5,ZP	42	16
31167	NUT,HEX,3/4,UNC,GR5,ZP	24	23
31169	NUT,STOVER,5/8,UNC,GR5,ZP	42	17
31169	NUT,STOVER,5/8,UNC,GR5,ZP	44	19
31172	NUT,NYLOCK,1,UNC,ZP	24	24
31172	NUT,NYLOCK,1,UNC,ZP	50	2
31173	NUT,NYLOCK,1/2,UNC,ZP	24	25
31173	NUT,NYLOCK,1/2,UNC,ZP	34	18
31173	NUT,NYLOCK,1/2,UNC,ZP	42	18
31173	NUT,NYLOCK,1/2,UNC,ZP	46	9
31173	NUT,NYLOCK,1/2,UNC,ZP	46	14
31174	NUT,NYLOCK,1/4,UNC,ZP	26	11
31174	NUT,NYLOCK,1/4,UNC,ZP	46	16
31175	NUT,NYLOCK,3/4,UNC	24	26
31176	NUT,NYLOCK,3/8,UNC,ZP	26	13
31176	NUT,NYLOCK,3/8,UNC,ZP	42	19
31176	NUT,NYLOCK,3/8,UNC,ZP	52	11
31177	NUT,NYLOCK,5/16,UNC,ZP	30	14
31177	NUT,NYLOCK,5/16,UNC,ZP	33	10
31177	NUT,NYLOCK,5/16,UNC,ZP	34	17
31179	NUT,NYLOCK,9/16,UNC,ZP	44	20
31235	WASHER,FLAT,1,ZP	40	3
31236	WASHER,FLAT,1/2,ZP	24	27
31236	WASHER,FLAT,1/2,ZP	30	18
31236	WASHER,FLAT,1/2,ZP	34	20
31236	WASHER,FLAT,1/2,ZP	46	6
31239	WASHER,FLAT,5/16,ZP	30	16
31239	WASHER,FLAT,5/16,ZP	34	19

31242	WASHER,FLAT,9/16,ZP	44	21
31243	WASHER,LOCK,1,ZP	24	28
31243	WASHER,LOCK,1,ZP	42	23
31244	WASHER,LOCK,1/2,ZP	30	15
31246	WASHER,LOCK,3/4,ZP	24	29
31308	VENT PLUG - 1/4 NPT	33	14
31351	WASHER,FLAT,3/8,ZP	26	12
31471	BOLT,HEX,1X3,UNC,GR5,ZP	50	3
31532	NUT,WING,1/4,UNC,ZP	24	30
31535	BOLT,HEX,1/4X1-1/2,UNC,GR5,ZP	26	9
31590	CHAIN,SAFETY,ASAE,10100LB,5'4"	50	4
31612	NUT,STOVER,1/2,UNC,ZP	44	22
31612	NUT,STOVER,1/2,UNC,ZP	46	7
31613	TIE,CABLE,NYLON,BLACK,11-1/2	24	35
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	26	14
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	28	8
31642	BOLT,CARR,5/8X5,UNC,GR5,ZP	44	23
31643	BOLT,HEX,9/16X5,UNC,GR8,ZP	44	24
31649	ELEC,CLAMP,CABLE,1/2	26	5
31650	ELEC,CLAMP,CABLE,3/4	26	6
31665	HYD,HOSE,1/2X44,8FJX-1W	34	14
31686	BOLT,U,SQ,3/8-16,6X5	26	10
31747	BAG,PLASTIC,6X9	24	36
31781	BOLT,HEX,3/8X3-1/2,UNC,GR5,ZP	52	10
31784	HYD,HOSE,1/2X164,8MP-8MP,1W	30	4
31800	JACK,5000LBX15,SQ MNT,SIDEWIND	24	31
31800	JACK,5000LBX15,SQ MNT,SIDEWIND	38	1
31813	PIN,QUICK RELEASE,1/2X3,ZP	34	10
31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	42	20
31850	HYD,HOSE,3/8X108,8FJX-8MP,1W,1W	48	3
31965	HYD,VALVE,DOUBLE_SELECTOR	52	6
31976	ELEC,HEAT_SHRINK,DUAL_WALL,TUBE,1/4X48	28	9
31977	ELEC,CONN,BUTT,16-14GA,NON_INSULATED	28	10
31978	ELEC,CONN,BUTT,12-10GA,NON_INSULATED	28	11
32054	HYD,HOSE,3/8X54,8FJX-1W	34	15
32075	WASHER,FLAT,1-1/2X11/16X3/16	42	21
32209	DRV,GEARBOX,COMPLETE,590	30	6
32210	SEAL	33	2
32211	BEARING	33	3
32212	BRG	33	7
32213	COVER	33	8
32214	SPACER	33	5
32215	PINION	33	6
32216	GEAR	33	4
32217	HYD,SIDE,MOTOR,1/2	33	12
32218	HYD,CASE,PLAIN SIDE,1/2	33	11
32247	HYD,CYL,3X14,1.25,8FP	48	4
32250	HYD,CYL,PIN,1	37	7
32250	HYD,CYL,PIN,1	49	6
32260	HYD,CYL,3.5X42,1.5,8FP	34	11
32262	HYD,CYL,TUBE	37	5
32265	HYD,CYL,ROD,1-1/2	37	4

32267	HYD,CYL,TIEROD,1/2X46-1/2,UNC	37	6
32297	NUT,SLOTTED,1"X14UNF	40	4
32301	SUSP,BOLT,WHEEL,9/16X1-1/4TX1-13/16L	40	9
32324	SUSP,TIRE,16.5LX16.1,ST2,6PLY	41	2
32357	CASTING,RUBBERIZED	44	3
32373	DRV,BRG,PILLOW-BLOCK,2-7/16	44	16
32376	BEARING,BALL,.788,1.65	44	2
32614	HYD,HOSE,3/8X109,8FJX-8FJX,1W	34	16
32639	BEARING,THRUST,FRONT	32	6
32644	HYD,MOTOR,18.3,316RPM,3000PSI	30	7
32647	SEAL KIT,ROLLER STRATOR	32	1
32649	BEARING,HOUSING,REAR,1/2	32	5
32651	BEARING,THRUST,REAR	32	2
32653	SHAFT KIT	32	13
32660	HYD,VALVE,CUSHION	30	8
32720	BEARING,HOUSING,FRONT	32	3
32725	MANIFOLD	32	8
32726	BALANCE PLATE & BALLS	32	10
32727	END COVER	32	11
32734	WASHER,FLAT,3-1/8ODX1/2	30	9
32786	O-RING,#151	30	10
32981	DECAL,PIMA	14	3
32992	SUSP,RIM,W14CX16.1,-1.5,8,WH	41	1
32994	WHEEL,16.5X16.1,-1.5,8,WH	24	32
33022	KEY,GEAR - 58T	33	15
33023	HYD,CYL,TIEROD,1/2X14	49	13
33024	HYD,CYL,3X14,H6140	49	14
33025	HYD,CYL,ROD,1-1/4X16-5/8	49	15
33046	SUSP,SPINDLE,EM5500,12-3/4"X3	40	1
33047	HOUSING KIT	32	4
33048	DRIVE LINK	32	7
33049	ROTOR KIT	32	9
33050	BOLT KIT,18	32	12
33065	SLEEVE_2" BORE	33	16
33066	SNAP RING (5100-300)	33	17
33083	BOLT,HEX,1X2,UNC,GR5,ZP	42	22
33236	KNOB,VALVE,SELECTOR,3/8-16 UNC	52	7
33237	HYD,HOSE,3/8X36,8FJX-8FJX,1W	52	8
33438	KIT,PIN&CHAIN-5/8"X4.25"	38	2
33439	KIT,5K BEARING REPLACEMENT	38	3
33440	KIT,STD BEVEL GEAR REPLAC.	38	4
33441	KIT,SW CRN CRANK REPLAC.	38	5
33442	COVER,GEARBOX	38	6
33443	WIRE,WELDING,.045	24	34
48107	KIT,LIGHT,XL6084	24	1
48108	ELEC,HARNESS,LIGHTS,XL6084	26	3
48109	BRACKET,LIGHT,RIGHT,RP	26	1
48110	BRACKET,LIGHT,LEFT,RP	26	2
49196	LOCK,CYLINDER,DUMP	34	1
70000	FRAME,WLDT,6	42	1
70001	DUMP,BUCKET,6	42	2
70002	ARM,HITCH	42	3

70003	HITCH,CLEVIS,DOUBLE,ANGLE	24	2
70008	BUCKET,6	42	4
70025	PIN,DUMP	42	5
70051	GUARD,CYLINDER, DUMP, RIGHT	24	3
70052	GUARD,CYLINDER, DUMP, LEFT	24	4
70081	APRON,COMPLETE,6	42	7
70083	HYDRAULIC MOTOR ASSEMBLY	24	5
70094	DRIVE,ARM,REEL	33	1
70094	DRIVE,ARM,REEL	44	1
70095	IDLER,ARM,REEL	44	2
70097	ARM,REEL,7	44	3
70106	WHEEL,BOGIE,COMPLETE	44	5
70128	BUMPER,GEARBOX	46	10
70132	ASSEMBLY,PRE-PAINT,6	24	6
70178	XL,OPTION,SWING HITCH-2	24	7
70179	TOOL,ROCKPICKER	24	8
70190	HITCH,PIN	42	8
70193	PIN,PIVOT,APRON	42	9
70196	BATT,REEL,6,COMMON	44	4
70200	APRON,WLDT,6	46	1
70300	HTICH,STOP,ASSY	42	10
70602	ASSY,AXLE,COMPLETE,6084	24	9
70603	WLDT,AXLE,6084	39	1
70605	WLDT,GUARD,DBL_VALVE,RP	52	1
70619	ASSY,DECALS,HIGHLINE,XL6084	24	10
70622	ASSY,HYD,CYL,6	24	11
70632	TETHER,CABLE,12"	34	2
70700	WLDT,ARM,REEL,6084,RT	44	6
70701	WLDT,TUBE,REEL,6084	44	7
70702	ASSY,REEL,COMPLETE,6084	42	6
90301	HYD,HOSE,3/8X120,8MP-8FJX,1W	48	5
90313	HYD,HOSE,3/8X18,8FJX-8FJX,1W	52	9
91048	SUSP,STEM,VAVLE,TR801HP	41	3
91111	DRV,BRG,TAPERED,OUTER,1.375	40	5
91131	DRV,BRG,RACE,OUTER,1.375	40	6
91133	DRV,BRG,TAPTERED,INNER,1.781	40	7
91609	PIN,HITCH,5/32X3	42	12
92028	SIGN,SLOWMOVING,S276.5	24	33
92143	ELEC,LOOM,1/2,SPLIT,CORRUGATED	26	15
92170	TIE,CABLE,4",BLACK	28	7
92594	DECAL,HIGHLINE,XL6084,LEFT	14	4
92595	DECAL,HIGHLINE,6084,RIGHT	14	5
92596	DECAL,HIGHLINE,6084,FRONT	14	6
92597	DECAL,HIGHLINE,6084,BACK	14	7
32466M	TYNE,APRON	46	3
E2240	WASHER,HITCH,BOTTOM	42	11
E2261	PIPE,SMLS,1-1/2X.240X3/4L	46	17
E2294	TOOTH,REEL	44	25
E2304	PIPE,SCH40,3/4X1/4L	44	8
E2308	PIPE,SMLS,1-1/2X.240X3/4L	44	26
E2339	ANCHOR,VALVE,CUSHION,HYDRAULIC	46	11
E2636	GUARD,LINE,HYDRAULIC	34	3

E3044	PIPE,SMLS,2-5/8X.281X1/4L	30	2
E3045	KEY,SHAFT,DRIVE,REEL	30	1
E3792	ELEC,CABLE,4-14,ULTRA-FLEX	28	1
E4244	ELEC,CABLE,4-14,ULTRA-FLEX	28	2
E4246	ELEC,LOOM,1/2,SPLIT,CORRUGATED	28	3
E4247	ELEC,LOOM,3/4,SPLIT,CORRUGATED	28	4
E4247	ELEC,LOOM,SPLIT,3/4X18	34	4
E4502	BUMPER,MOTOR,HYDRAULICS	46	12
E4548	PLT,RETAINER,SPRING	44	9
E4549	PIPE,SMLS,1X.188X3-1/4L	44	10
E4559	PLT,R,1/2X1/2X1	44	11
E4626	PIPE,SCH40,3/4X11/16L	44	12
E4627	BUSHING,WHEEL,BOGIE	44	1
E4638	PLT,LOCK,TRANSPORT	24	12
E5342	PIPE,SMLS,1X.188X2-1/2L	44	13
E5356	STOP,APRON,DBL	46	2
E5553	CLAMP,HOSE,HYD	34	5
E6151	PLT,C,1/4X3	50	1
E6174	PIPE,SMLS,7/8X.188X1L	52	2
E6879	BRACKET,DBL_VALVE_MOUNT,RP	52	3
E7489	MANUAL,HIGHLINE,XL6084-3	24	13
E7550	DECAL,DANGER,REEL_CRUSH	14	8
E7551	DECAL,WARNING,BUCKET_CRUSH	14	9
E7552	DECAL,WARNING,OWNERS_MANUAL	14	10
E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	14	11

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8.0 Specifications

Weight:	Approximately 5200 lbs (2360 kg)
Total Length:	16'3"
Total Width:	9'4"
Total Height:	6'8"
Picking Width:	60"
Dumping Height:	Approximately 84"
Ground Clearance:	17"
Maximum Capacity:	2.4 cubic yards (1.83 m ³)
Tires:	16.5L x 16.1 Softrac Tires
Tire Pressure:	23 psi
Horsepower Required:	70-135 Horsepower 18 gpm flow required
Hydraulic Outlets:	2
Hydraulic Pressure:	2500 psi (17,240 kPa)

Dealer Information

Dealer: _____

Address: _____

City: _____

Province / State: _____

Postal Code / Zip Code: _____

Phone: _____



Identification Numbers

Model Number: _____

Serial Number: _____

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.