

Bale Pro 7000+ Owner's Manual

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Warranty

HIGHLINE Mfg. Inc. warrants its product to the original owner for a period of two years from the date of purchase, subject to the following provisions:

First Year	Warranty covers parts and labour
Second Year	Warranty covers parts only

- “ Warranty registration must be submitted to Highline Mfg. Inc. within 30 days of purchase.
- “ Highline Mfg. Inc. is not liable for any damages to this equipment resulting from use that is inconsistent with this manual and such damages that are not covered under this warranty.
- “ Warranty will be void and Highline Mfg. Inc. will not be liable in any way if the equipment is used for any purpose other than the intended agricultural application.
- “ All warranty service must be handled through an authorized Highline Mfg. Inc. dealer. At the time of requesting warranty service, the purchaser must present evidence of the delivery date of the equipment. The purchaser shall pay any premium for requested overtime, any charge for making service calls, and any charges incurred in transporting the equipment to and from the location of the warranty service. Freight costs associated with warranty repairs are not reimbursable.
- “ A Highline Mfg. Inc. representative must authorize any labour subject to warranty before work is started.
- “ Warranty will be void if any component of this equipment is altered or modified in any way unless written permission is given by Highline Mfg. Inc.
- “ Equipment used for rental, custom work, industrial or construction use will not be warranted by Highline Mfg. Inc.
- “ Highline Mfg. Inc. will not assume any responsibility or liability for any damage occurring to the equipment to which Highline Mfg. Inc. equipment is attached.
- “ Warranty terms and conditions are subject to provincial and state legislation.
- “ Warranty is limited to the purchase price paid for the equipment up to the manufacturer's suggested retail price. ANY WARRANTY LIABILITY RESULTING FROM THE WORKMANSHIP OF THIS EQUIPMENT is limited to the purchase price paid. Highline Mfg. Inc. assumes no responsibility whatsoever for warranty liability resulting from the misuse or improper operation and maintenance of this equipment.

President's Message

Congratulations on your purchase of the *Bale Pro 7000+*! Bale Pro, a proven name in livestock feed handling equipment, is manufactured by Highline Mfg. Inc. Highline Mfg. Inc. is a company with over 25 years experience in the farm implement industry.

This operator's manual has been prepared to provide information necessary for safe and efficient operation of your *Bale Pro 7000+*. In this manual you will find safety procedures, maintenance routines and detailed parts diagrams. This bale processor model was designed for controlled, aggressive processing with less bunching. A little time and effort spent following the recommended maintenance procedures will increase the performance and durability of your bale processor.

In order to maintain our high standards, improvements are made from time to time. Highline Mfg. Inc. reserves the right to make such changes and improvements when practical to do so without incurring any obligation to make those changes and improvements 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 require in stock, they will be happy to order them for you. Also, if you find that you require information not covered in this manual, feel free to consult you local dealer or Highline Mfg. Inc.

Highline Mfg. Inc. thanks and congratulates you for choosing the *Bale Pro 7000+* as the livestock feed handling equipment for your needs.

Raymond J. Bussière, 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!

- Keep children and adults away from discharge area while processing.
- Know the controls and what they do.
- Check the machine to ensure nothing restricts moving or rotating parts.
- Ensure PTO is disengaged before starting tractor.
- Never leave tractor while PTO is engaged.
- Lower forks to ground after operation.
- Never attempt to manually remove debris while the PTO is activated.
- Do not transport Bale Pro on highway with CV extension shaft on machine or with bales in tub or on the forks.
- Disconnect CV before unplugging or adjusting processor.
- Always keep safety shields in place.
- Relieve pressure in hydraulic lines before disconnecting lines or performing other work on the hydraulic system.
- Never allow anyone to stand behind the processor while loading bales.
- Ensure the discharge door is raised completely with tether pin installed to lock it to the tub when transporting machine.
- Use twine cutter tool only as directed. The blade is very sharp and could cause serious injury if handled improperly.



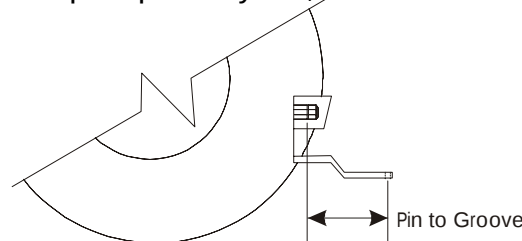
Before operating the Bale Pro 7000+, be sure to review *all* of the instructions and familiarize yourself with its features.

1.0 Operating Instructions

1.1 General Operating Instructions

Successful operation of the Bale Pro 7000+ is dependent upon the quality of the bale, the height of the feed rollers and flail guard rod and also upon the operator. The following steps ensure proper and efficient operation. Please read them all carefully before operating your new Bale Pro 7000+.

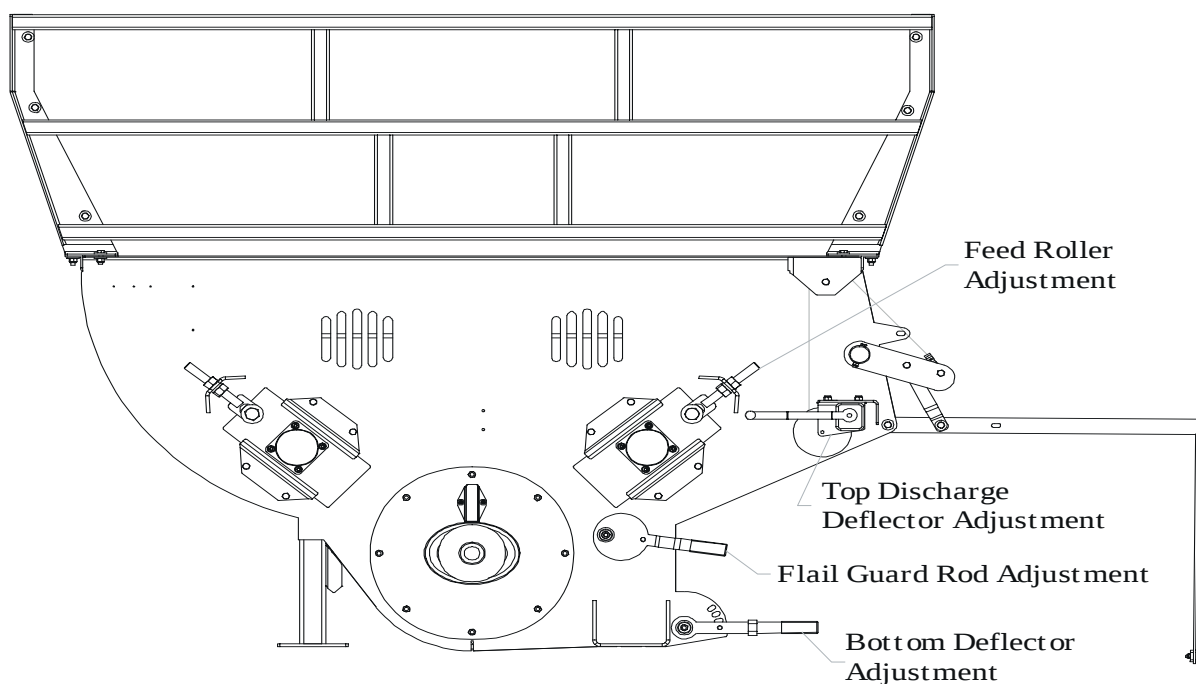
1. Ensure that the drawbar on the tractor is extended so that the pin is 17" from the groove on the PTO on the tractor for the standard 1-3/8" diameter, 1000 rpm yoke. If you have the 1-3/8" diameter, 540 rpm optional yoke, the distance should be 15-1/2". If you have the 1-3/4" diameter, 1000 rpm optional yoke, the distance should be 21-1/2".



2. It is recommended that the hitch tongue be placed in the second hole from the top of the BP 7000+ hitch frame. This will ensure proper drawbar location and extend the life of the CV.
3. Ensure that the machine stays properly greased at all recommended locations (See Maintenance Instructions).
4. The top discharge deflector is adjusted by means of the manual winch located at the front of the machine. Crank the winch clockwise to raise the deflector and counter clockwise to lower the deflector.
Note: After lowering the door, turn the winch handle clockwise until you hear it click twice. If you have the optional electric winch, follow the instructions included with the winch package.
5. To adjust the bottom deflector, simply stand in front of the machine, pull the handle toward yourself, and raise or lower the door as required.
6. The adjustment of the flail guard rods is similar to the bottom deflector adjustment. Pull the handle towards yourself and raise or lower the handle. Raising the handle will make the Bale Pro more aggressive while lowering the handle will make it less aggressive. There are five different settings for the flail guard rods as shown on the decal by the handle. If less aggressive settings are required, the flail guard rods can be adjusted to the top holes on the right hand side of the tub. If the processor is operated too aggressively, the flails will slap back on the flail drum. Continued 'backslap' can cause damage and unnecessary wear to the flail drum, flails, and flail bushings. Therefore, avoid excessive and prolonged 'backslap' whenever possible by adjusting the flail guard rods to a slightly less aggressive setting.
7. Adjust the feed rollers with the feed roller adjusting rods to accommodate the bale size. Generally the feed rollers should be raised for larger bales and lowered for smaller bales. Major adjustments may affect the aggressiveness of the processor.

8. Before loading the bale, engage the PTO to ensure that the flail drum is operating properly. Start feed rollers using the hydraulic controls and check to ensure the feed rollers turn in both directions. If your tractor has a hydraulic flow control, alter the flow so the feed rollers rotate at an equal speed for the condition of your bales.
9. To load bales, lower the forks **completely** and back up to the bale **slowly** until the forks are completely under the bale. Raise the forks until the bale falls into the processor. Another bale may be loaded onto the forks while a bale is in the processor. If a bale is loaded onto the forks while one is being shredded, raise the forks as high as possible, making sure the bale on the forks does not interfere with the bale already in the tub. Raising the forks will reduce the pressure on the hydraulic lift assembly. Orientation of the bale during loading causes the hay/straw to discharge from the processor differently. If the bale is shredded in the same direction in which it was baled, the hay/straw tends to come off in layers. If the bale is shredded in the opposite direction, feeding may be uneven.
10. **Do not dislodge frozen bales with forks. Damage to the lift mechanism may result. Likewise, do not use the twine cutter tool to dislodge jammed material.**
11. When ready, engage the tractor PTO at an idle. Increase the PTO speed until it reaches 1000rpm. Make sure that before the PTO is engaged, the forks are not interfering with the bale in the tub. To process bales, rotate the bale using the feed rollers. If the bale stops moving, reverse the direction of the feed rollers.
12. Before stopping the PTO, idle the tractor down to reduce flail 'backslap'.

**WARRANTY WILL BE VOID IF ANY COMPONENT OF THIS MACHINE IS
ALTERED OR MODIFIED IN ANY WAY WITHOUT WRITTEN
PERMISSION FROM HIGHLINE MFG. INC.**



1.2 Twine Removal Procedure

IT IS RECOMMENDED TO REMOVE THE TWINE FROM THE FLAIL DRUM EVERY 25 BALES. PREMATURE BEARING FAILURE CAN OCCUR IF TWINE IS ALLOWED TO BUILD UP ON THE FLAIL DRUM.



SHUT OFF THE TRACTOR ENGINE AND LET THE FLAIL ROTATION COME TO A COMPLETE STOP BEFORE ATTEMPTING TO REMOVE THE TWINE FROM THE FLAIL DRUM.

1. Ensure the forks are in the fully raised position. Lock the forks in the raised position with the cylinder lock.



2. Ensure the flail guard rod adjustment lever is NOT in position #5. Failure to do so will result in damage to the twine cutter blade.



3. Engage the flail drum lock and rotate the flail drum slowly from the discharge side until the flail drum is locked into position. If it is not possible to rotate the flail drum, the PTO must be disconnected from the tractor.



4. Ensure that no flails are obstructing the path of the knife on the flail drum. Failure to do so will result in damage to the twine cutter blade.



5. Lower the extension guide.



6. Remove the twine cutter from the storage position on the right side of the Bale Pro.



7. Align the twine cutter with the groove on the extension guide (Figure A). Slide the tool into the groove and cut through the twine in a saw-like action (Figure B).

Figure A



Figure B



8. After cutting through all of the twine wrapped around the entire length of the drum, remove the twine cutter and place it back into the storage position. Ensure the handle is locked into the spring clips.
- 9(a). Unlock the flail drum. Failure to do this will result in damage to the machine during start up.
- 9 (b). Lock the extension guide in the upright position.



10. Remove the twine from the flail drum on the discharge side of the Bale Pro.



11. Remove the hydraulic cylinder lock and store on the bale forks. Install the pin from the bottom side.



2.0 Maintenance Instructions

Please follow these maintenance procedures to ensure years of trouble free operation of your Bale Pro 7000+.

Twine must be removed from the flail drum *at least* every 25 bales. Premature bearing failure can occur if twine is allowed to build up on the flail drum.

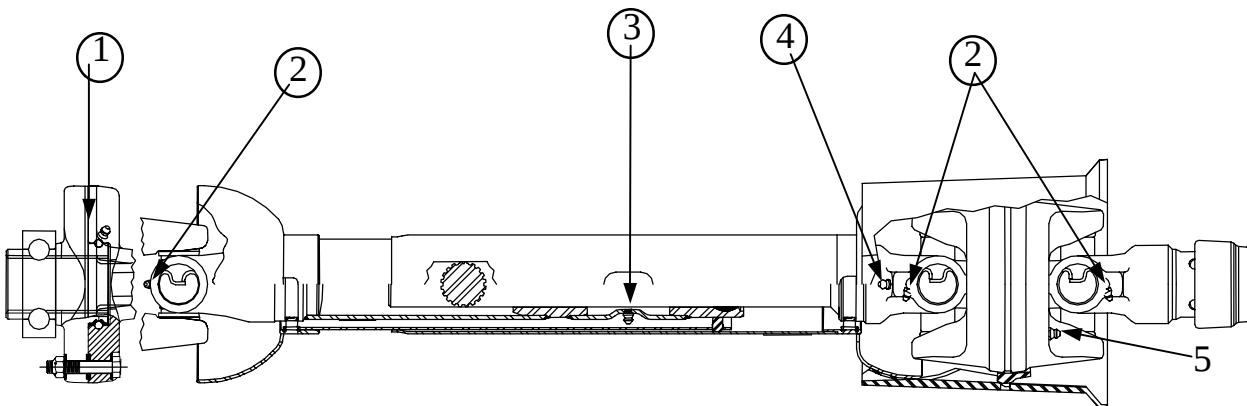
Flail bolts should be tightened after the first ten bales and rechecked after approximately 200 bales.

Casted pipe clamps for the bale forks should be checked every 50 bales and tightened if necessary.

Maintaining proper lubrication of the Bale Pro 7000+ is crucial for proper operation. Below is a list of the points and the frequency with which these points should be greased. Also shown are figures indicating the points that require lubrication.

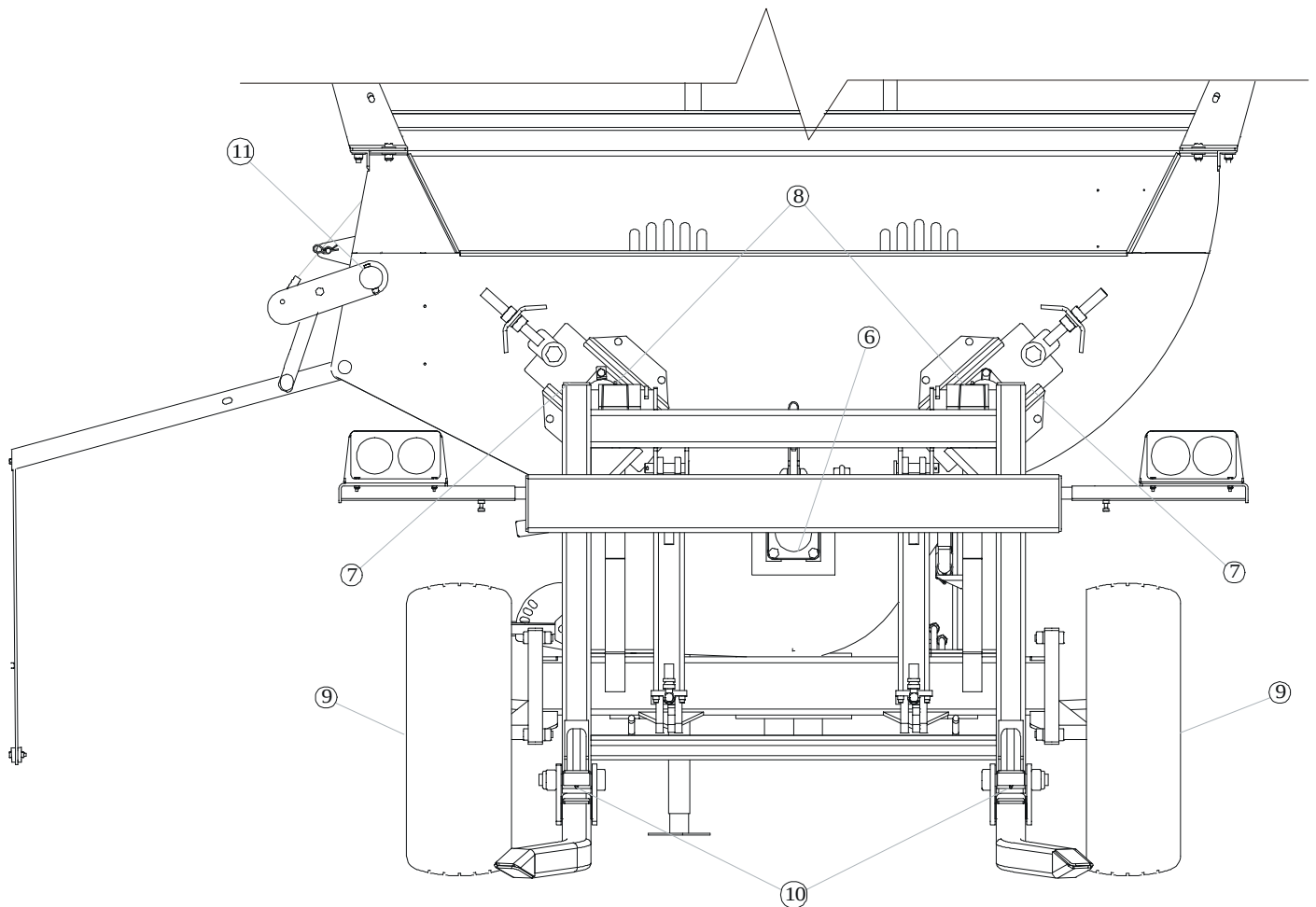
1. Ball Shear Assembly: Every eight hours.
2. Cross and Bearing: Every eight hours.
3. Telescopic Members: Every eight hours.
4. Ball and Socket: Every eight hours.
5. Center Housing: Every 24 hours.

***When the CV is under constant angle applications, there must be a lubrication interval of four hours for components 1 through 5.**



- 6. Flail Drum Bearings (Front and Rear): Every 50 bales.
- 7. Feed Roller Bearings (Left and Right): Every 100 bales.
- 8. Casted Pipe Clamps (Left and Right): Every 100 bales.
- 9. Wheel Hub Bearings (Left and Right): Every 100 bales.
- 10. Forks (Left and Right): Every 100 bales.
- 11. Discharge Deflector Pipe (Front and Rear): Every 100 bales.

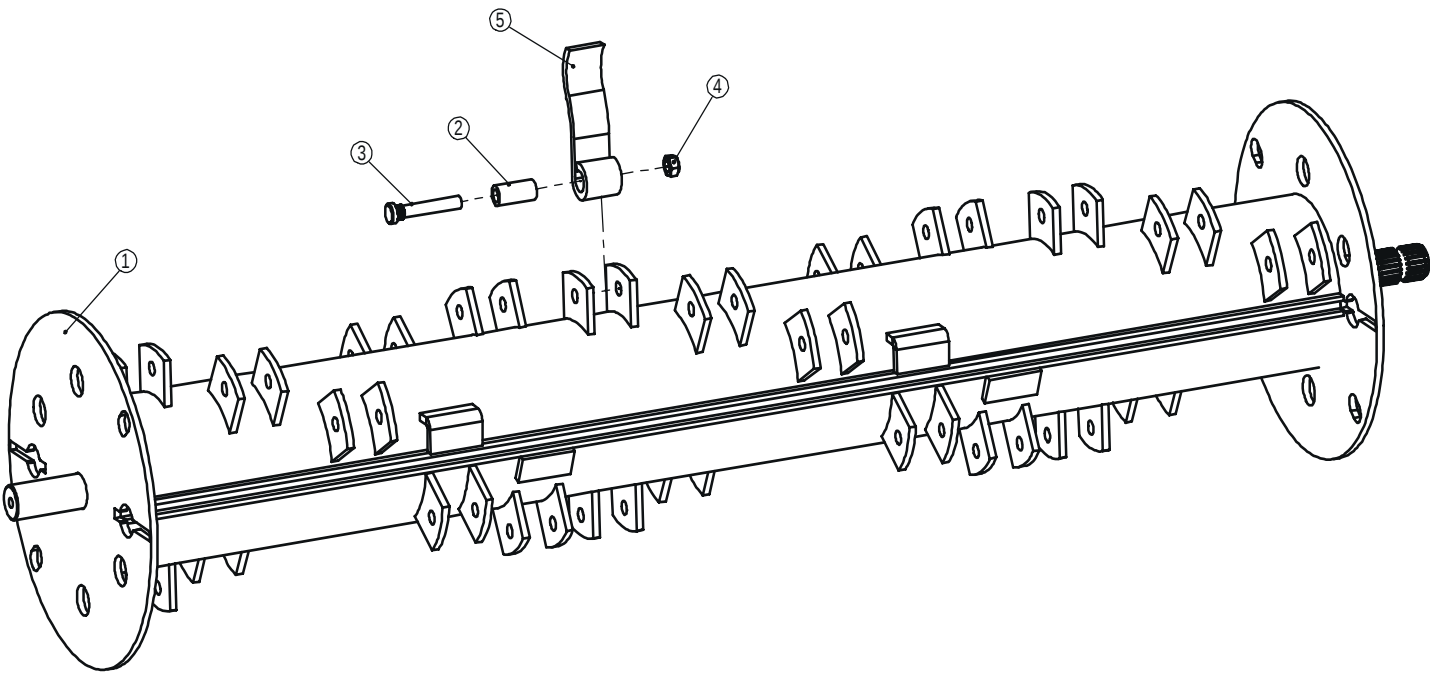
***Use low temperature grease when the temperature reaches below 0° Celsius (32° Fahrenheit).**



3.0 Parts Information

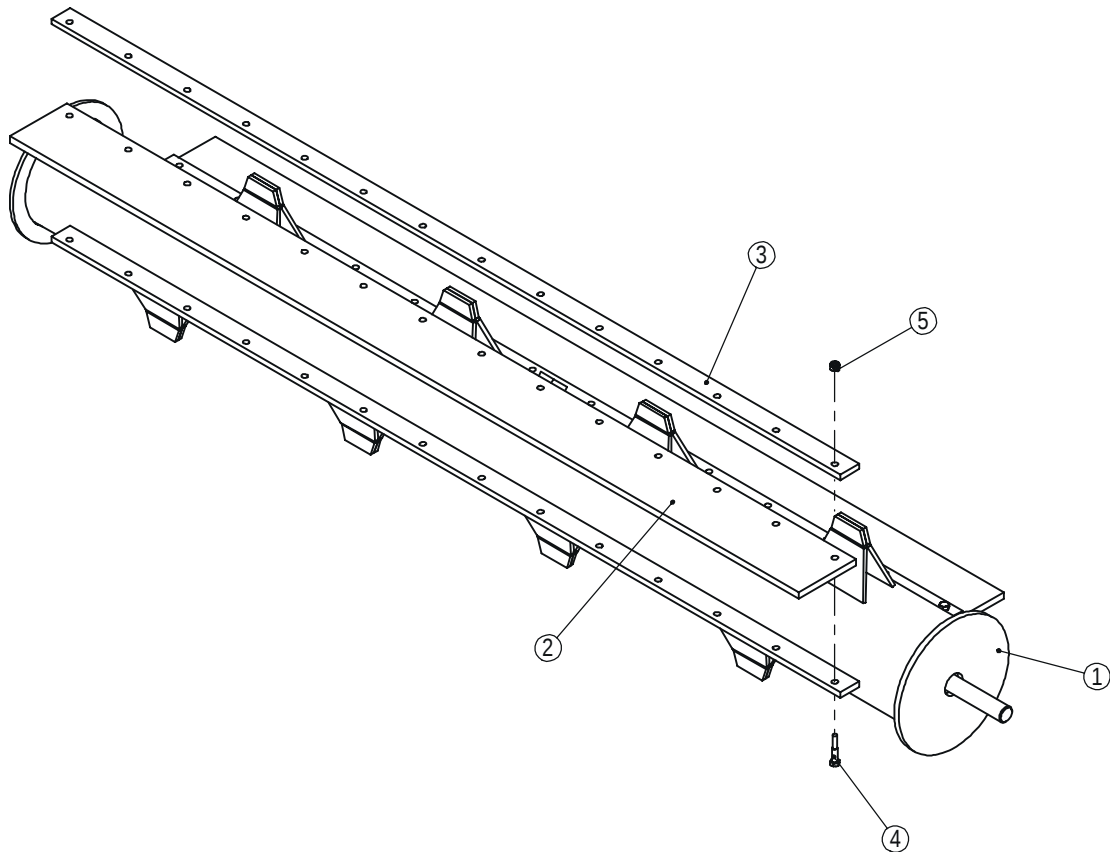
3.1 Flail Drum Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49159	DRUM,FLAIL,WITH CUTTER	1
2	E2083	PIPE,1x.188Wx2-1/8L	26
3	45099	BOLT,STUD,5/8X3-3/4,UNF,GR8	26
4	31170	NUT,UNI-TORQUE,3/4,UNF,GR8,ZP	26
5	E3694	FLAIL	26



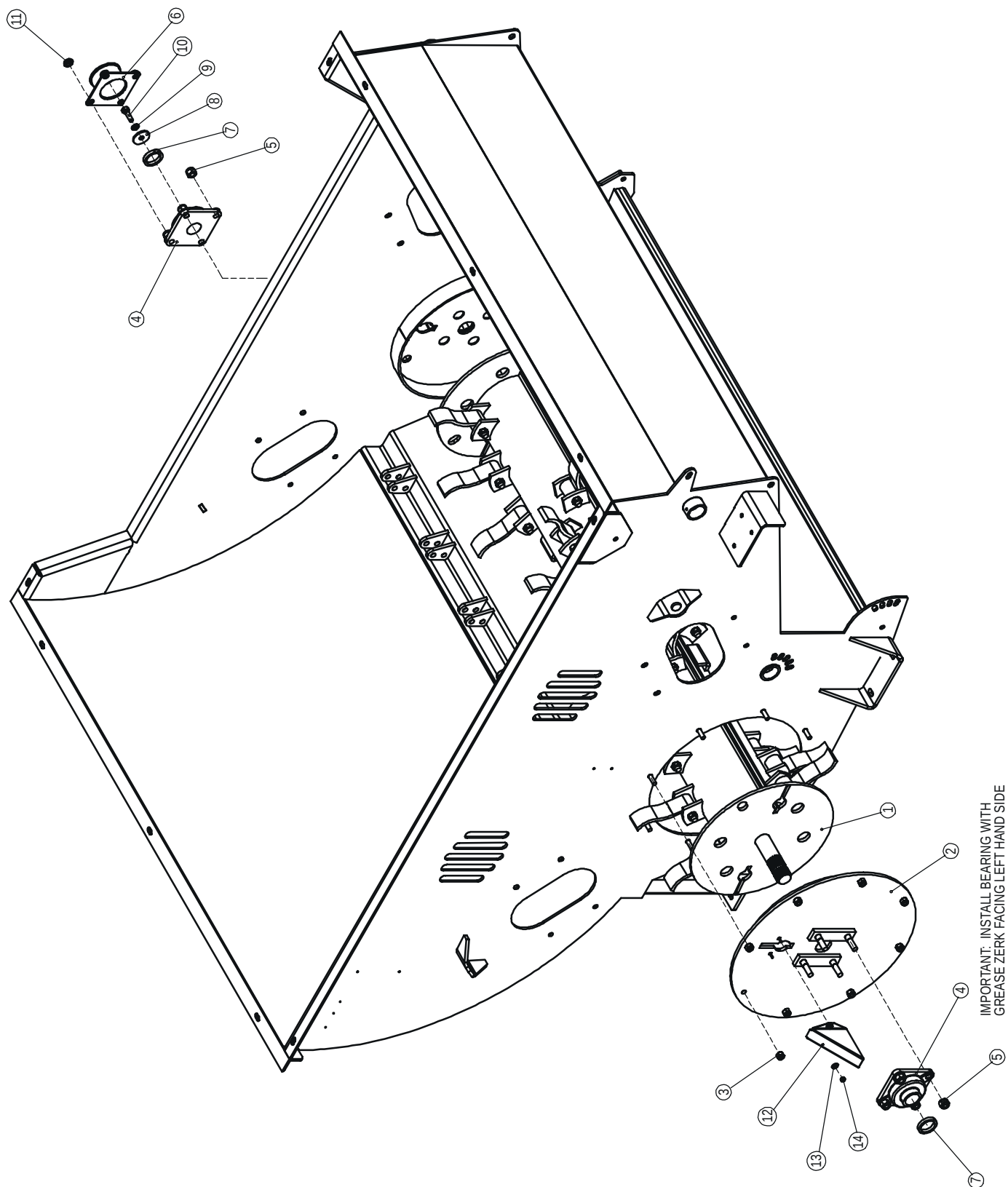
3.2 Feed Roller Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49027	ROLLER, FEED	1
2	E3581	BELTING, ROLLER, FEED, 14 HOLE	2
3	E3582	PLT,SCRAPER,RUBBER	2
4	31047	BOLT,HEX,5/16X1-3/4,UNC,GR5,ZP	28
5	31177	NUT,NYLOCK,5/16,UNC,ZP	28



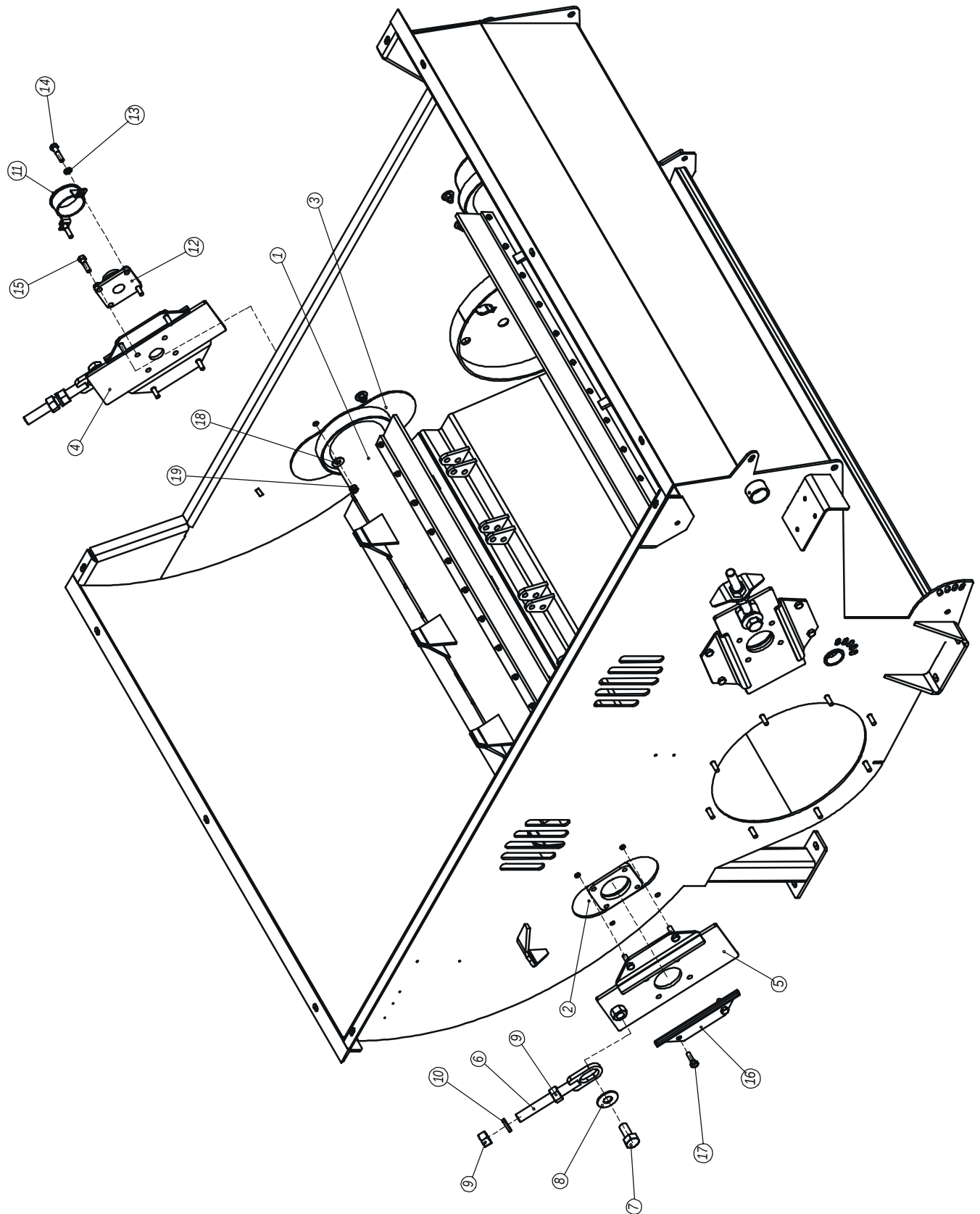
3.3 Flail Drum Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49160	DRUM, FLAIL, WITH CUTTER, COMPLETE	1
2	49163	PLATE, BEARING, FRONT	1
3	31173	NUT,NYLOCK,1/2,UNC,ZP	8
4	92091	DRV, BRG, FLANGE, 1-3/4"	2
5	31178	NUT,NYLOCK,5/8,UNC,ZP	8
6	49054	GUARD, DRUM, FLAIL	1
7	E3646	PIPE,2-1/4x.240Wx3/8L	2
8	92081	WASHER,FLAT,3/16X2ODX9/16ID	1
9	31244	WASHER,LOCK,1/2,ZP	1
10	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	1
11	31168	NUT,NYLOCK,JAM,5/8,UNC,ZP	4
12	E5856	GUARD,CUTTER,FRONT	1
13	31237	WASHER,FLAT,1/4,ZP	2
14	31174	NUT,NYLOCK,1/4,UNC,ZP	2



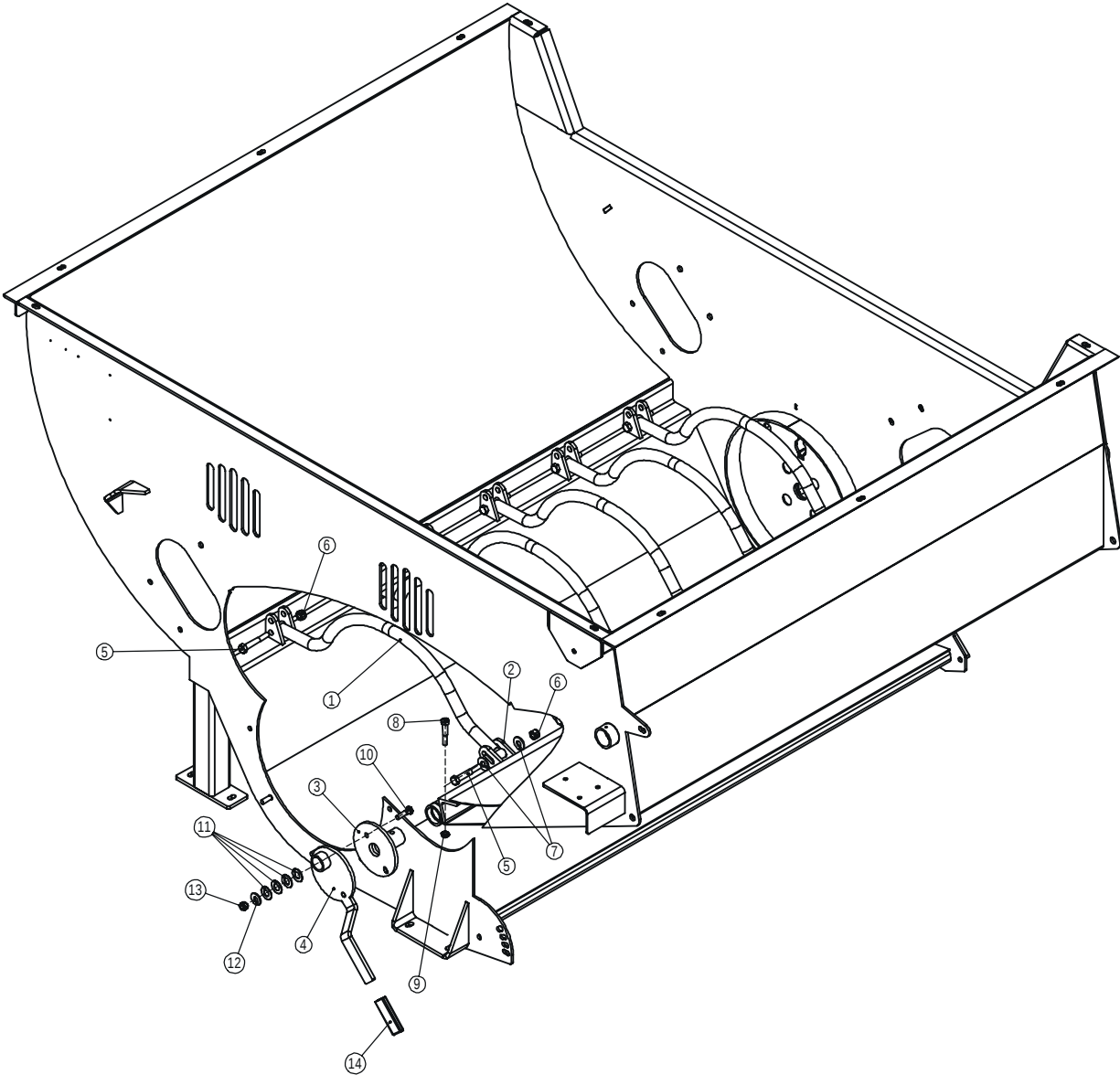
3.4 Feed Roller Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49017	ROLLER, FEED, COMPLETE	2
2	47019	GUARD, TWINE, FRONT	2
3	47012	GUARD, TWINE, REAR	2
4	49015	PLATE, SLIDE, REAR	2
5	49096	PLATE, SLIDE, FRONT	2
6	49107	ROD, ADJ, ROLLER, FEED	4
7	31448	BOLT,HEX,1X2,UNC,GR8,ZP	4
8	31235	WASHER,FLAT,1,ZP	4
9	31159	NUT,ACME,1,5TPI,RH	8
10	31243	WASHER,LOCK,1,ZP	4
11	49053	GUARD, ROLLER, FEED	2
12	92094	DRV, BRG, FLANGE, 1-3/8"	2
13	31244	WASHER,LOCK,1/2,ZP	8
14	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	4
15	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	4
16	E2138	PLATE, RETAINER, SLIDE	8
17	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	16
18	31236	WASHER,FLAT,1/2,ZP	8
19	31173	NUT,NYLOCK,1/2,UNC,ZP	16



3.5 Flail Guard Rod Assembly

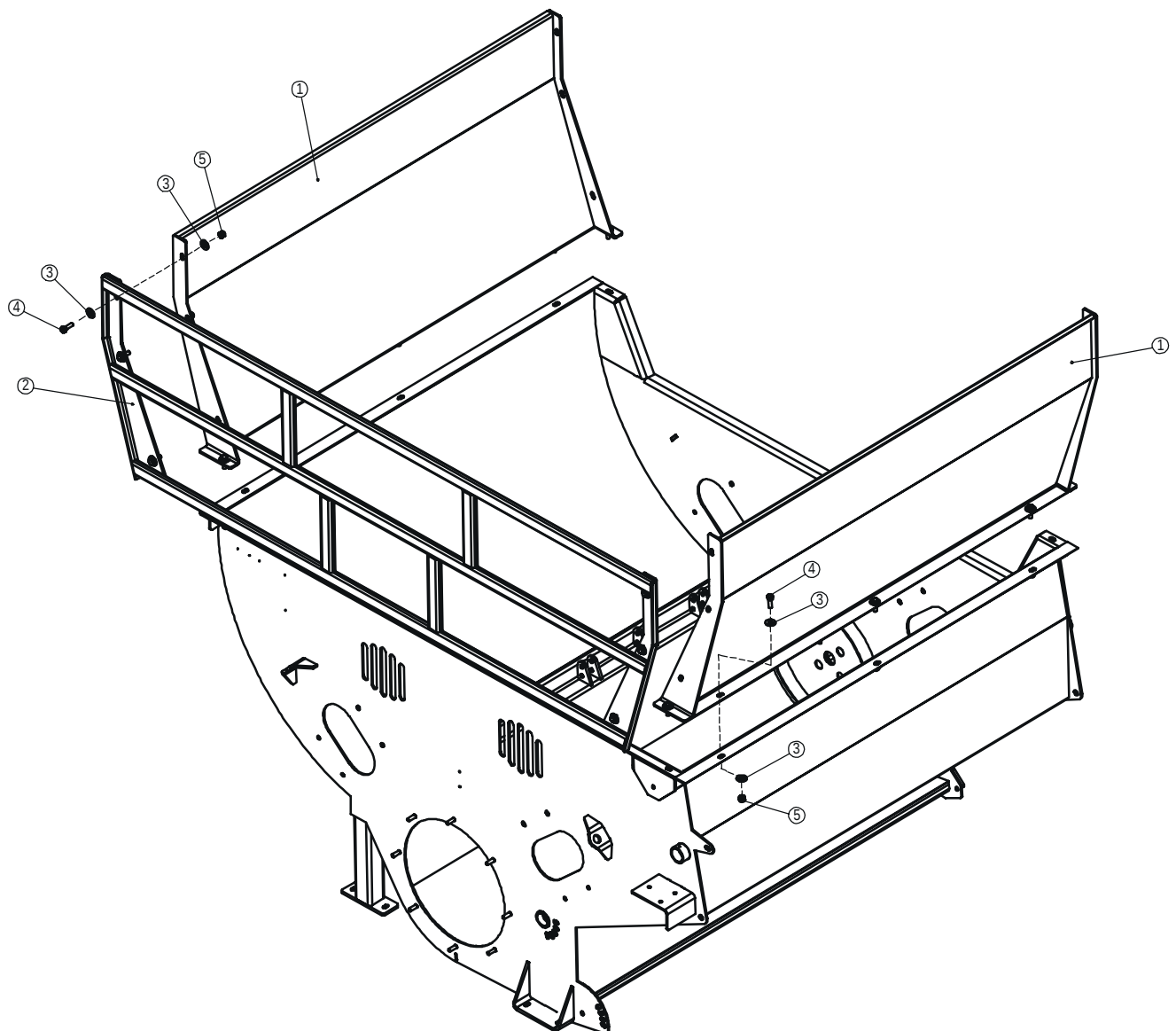
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49108	GUARD, FLAIL	6
2	49110	BAR, ADJ, GUARD, FLAIL	1
3	49100	PIN, ADJUSTMENT, ROD, FLAIL	1
4	49101	HANDLE, ADJ, ROD, FLAIL	1
5	31058	BOLT,HEX,9/16X3-1/2,UNC,GR5,ZP	12
6	31179	NUT,NYLOCK,9/16,UNC,ZP	12
7	31242	WASHER,FLAT,9/16,ZP	12
8	31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	1
9	30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	1
10	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	1
11	31668	WASHER,SPRING,3/4,342	4
12	31236	WASHER,FLAT,1/2,ZP	1
13	31173	NUT,NYLOCK,1/2,UNC,ZP	1
14	92127	COVER,VINYL,3/8X1-1/2	1



3.6 Bale Deflector and Spill Screen Assembly

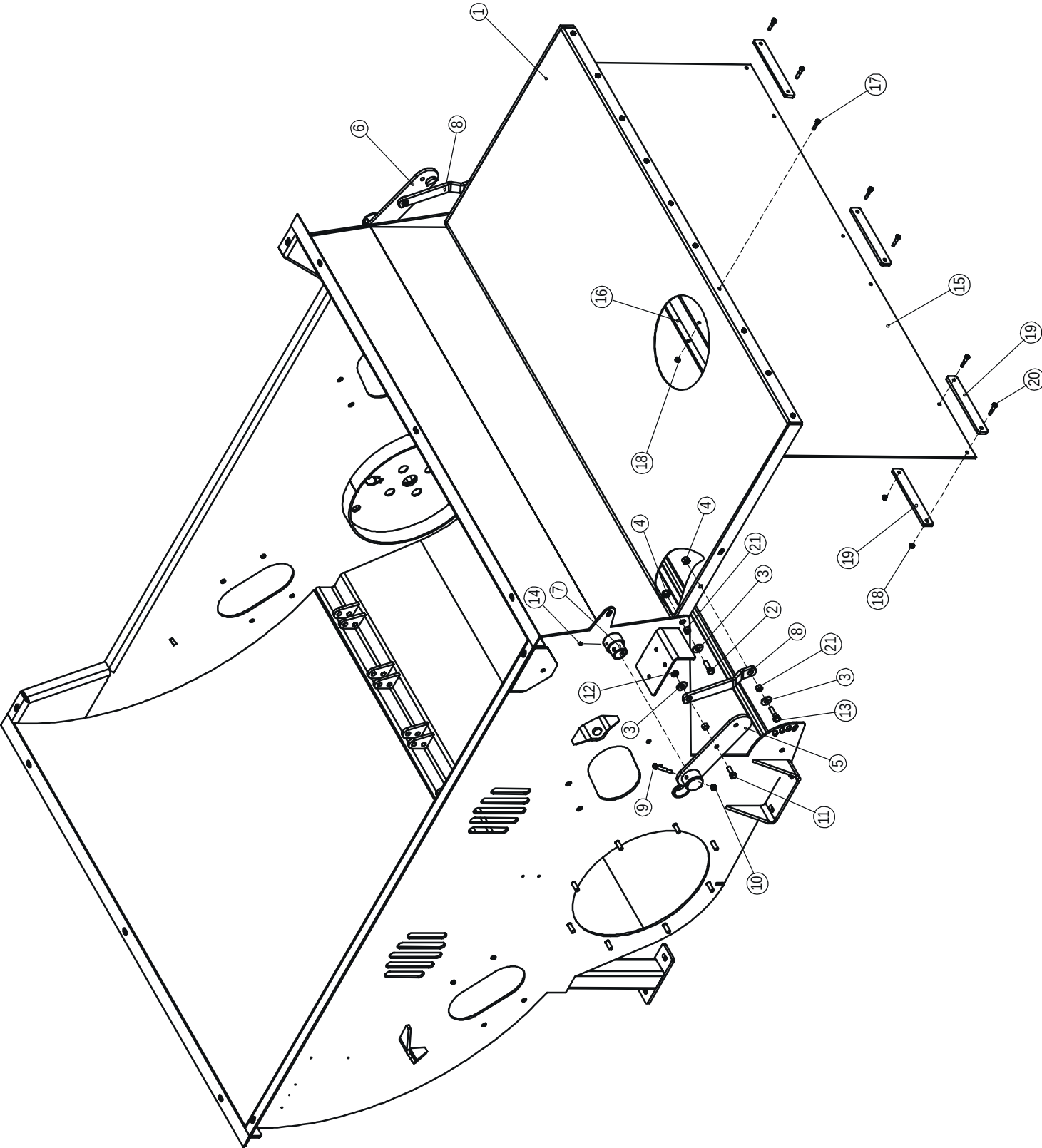
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49014	DELFECTOR, BALE	2
2	49007	SCREEN, SPILL	1
3	31236	WASHER,FLAT,1/2,ZP	32
4	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	16
5	31173	NUT,NYLOCK,1/2,UNC,ZP	16

* Mesh not shown on Spill Screen



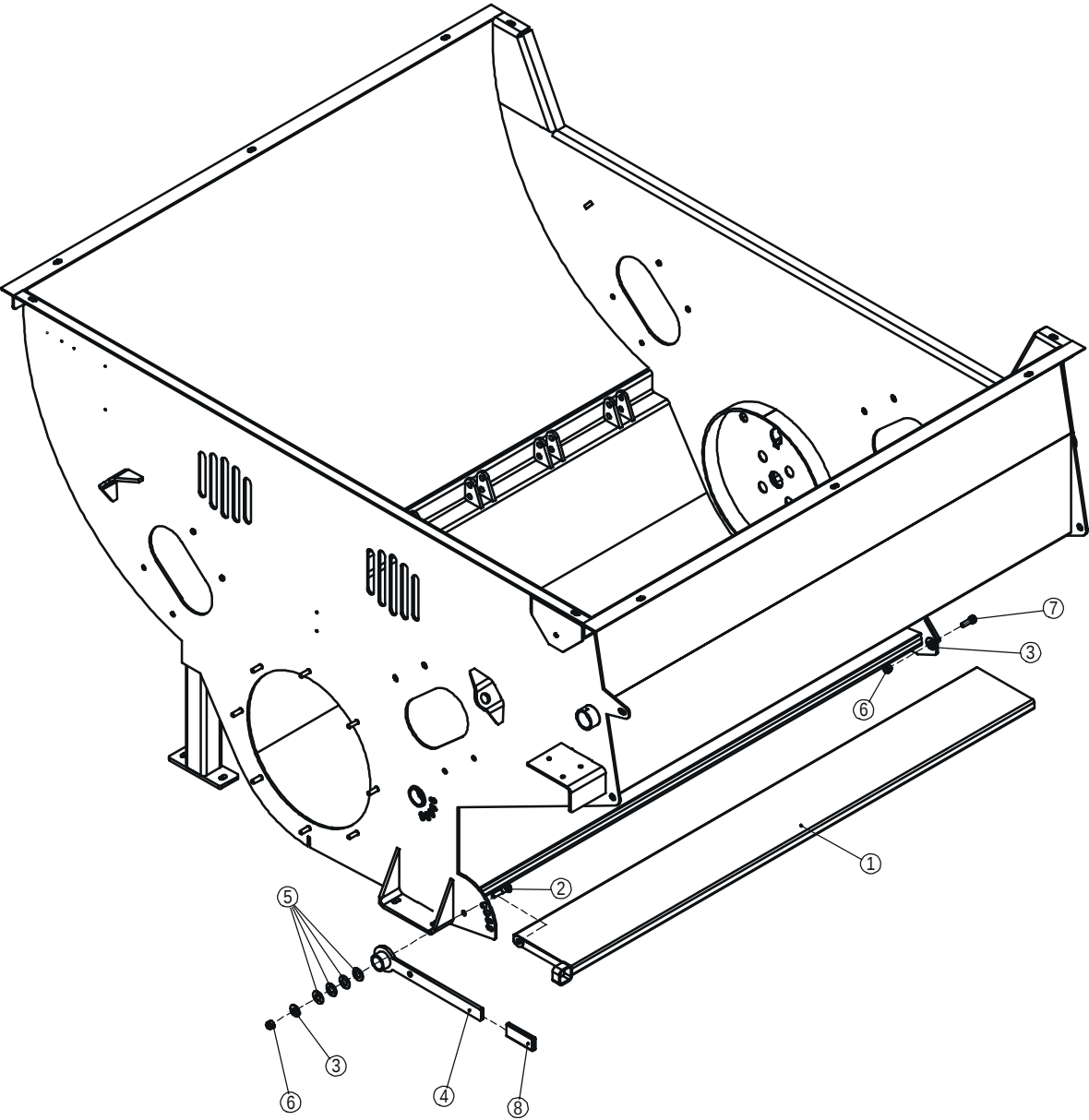
3.7 Top Discharge Door Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49098	DOOR, DISCHARGE	1
2	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	2
3	31236	WASHER,FLAT,1/2,ZP	6
4	31173	NUT,NYLOCK,1/2,UNC,ZP	4
5	49103	ARM, LINKAGE, FRONT	1
6	49104	ARM, LINKAGE, REAR	1
7	E5019	PIPE,ADJ.DOOR,DISCHARGE	1
8	E5867	LINKAGE, CONNECTING	2
9	30374	BOLT,HEX,3/8X3,UNC,GR5,ZP	2
10	31176	NUT,NYLOCK,3/8,UNC,ZP	2
11	31332	BOLT,HEX,1/2X1-1/4,UNC,GR5,ZP	2
12	30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	2
13	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	2
14	30207	ZERK,1/4-28,GF641,STRAIGHT	2
15	E5018	BELTING,DISCHARGE	1
16	E5017	PLT,RETAINING,BELTING	1
17	31443	BOLT,HEX,5/16X1-1/4,UNC,GR5,ZP	10
18	31177	NUT,NYLOCK,5/16,UNC,ZP	16
19	E3003	PLT,WEIGHT,BELTING	6
20	31046	BOLT,HEX,5/16X1-1/2,UNC,GR5,ZP	6
21	E5858	PIPE,3/4x.120Wx7/16L	6



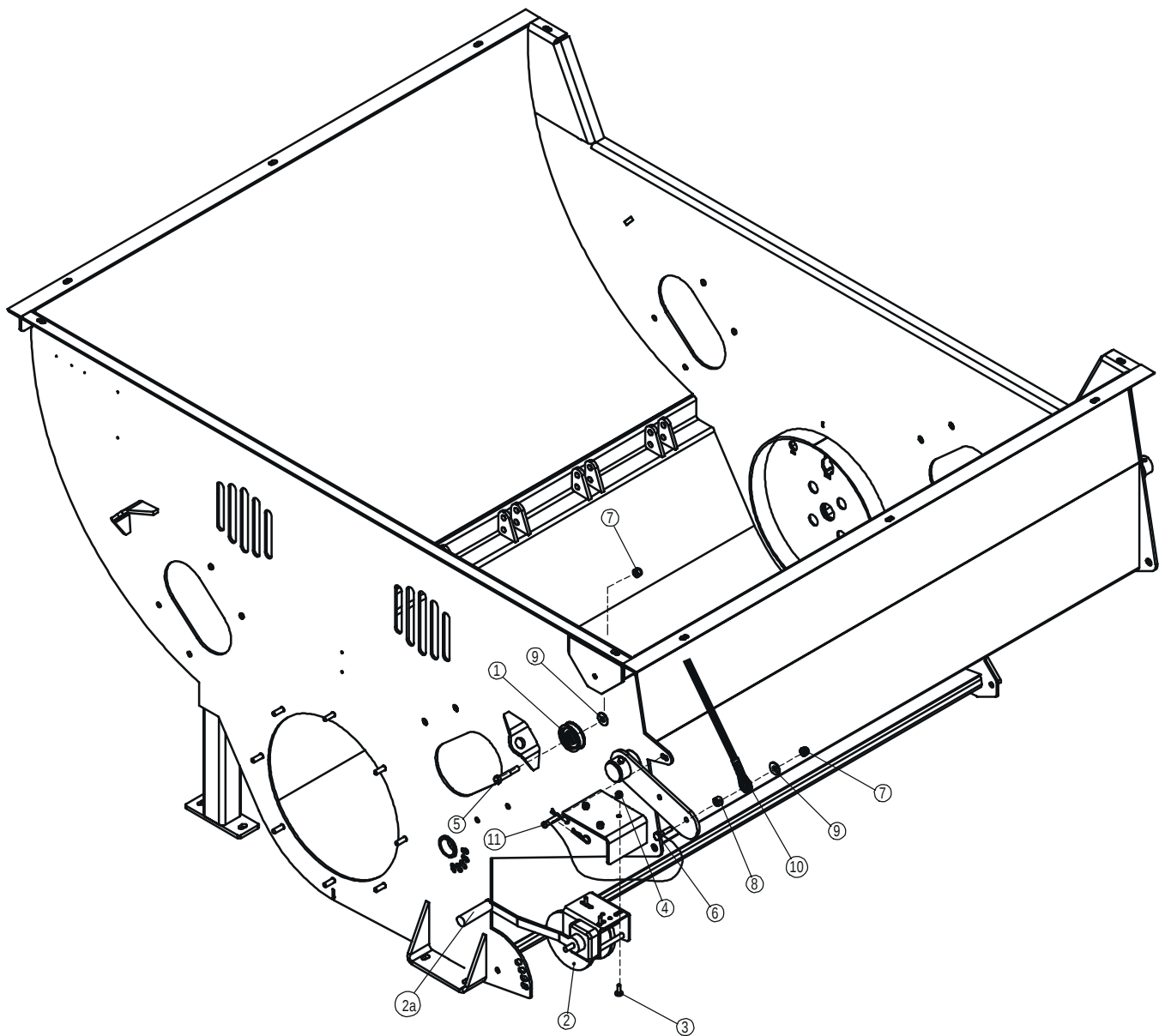
3.8 Bottom Discharge Door Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49099	DOOR, DISCHARGE, BOTTOM	1
2	31431	BOLT, CARR, 1/2X2-1/4, UNC, GR5, ZP	1
3	31236	WASHER, FLAT, 1/2, ZP	3
4	49102	HANDLE, DEFLECTOR, BOTTOM	1
5	31668	WASHER, SPRING, 3/4, 342	4 </td
6	31173	NUT, NYLOCK, 1/2, UNC, ZP	2
7	31016	BOLT, HEX, 1/2X1-1/2, UNC, GR5, ZP	1
8	92127	COVER, VINYL, 3/8X1-1/2	1



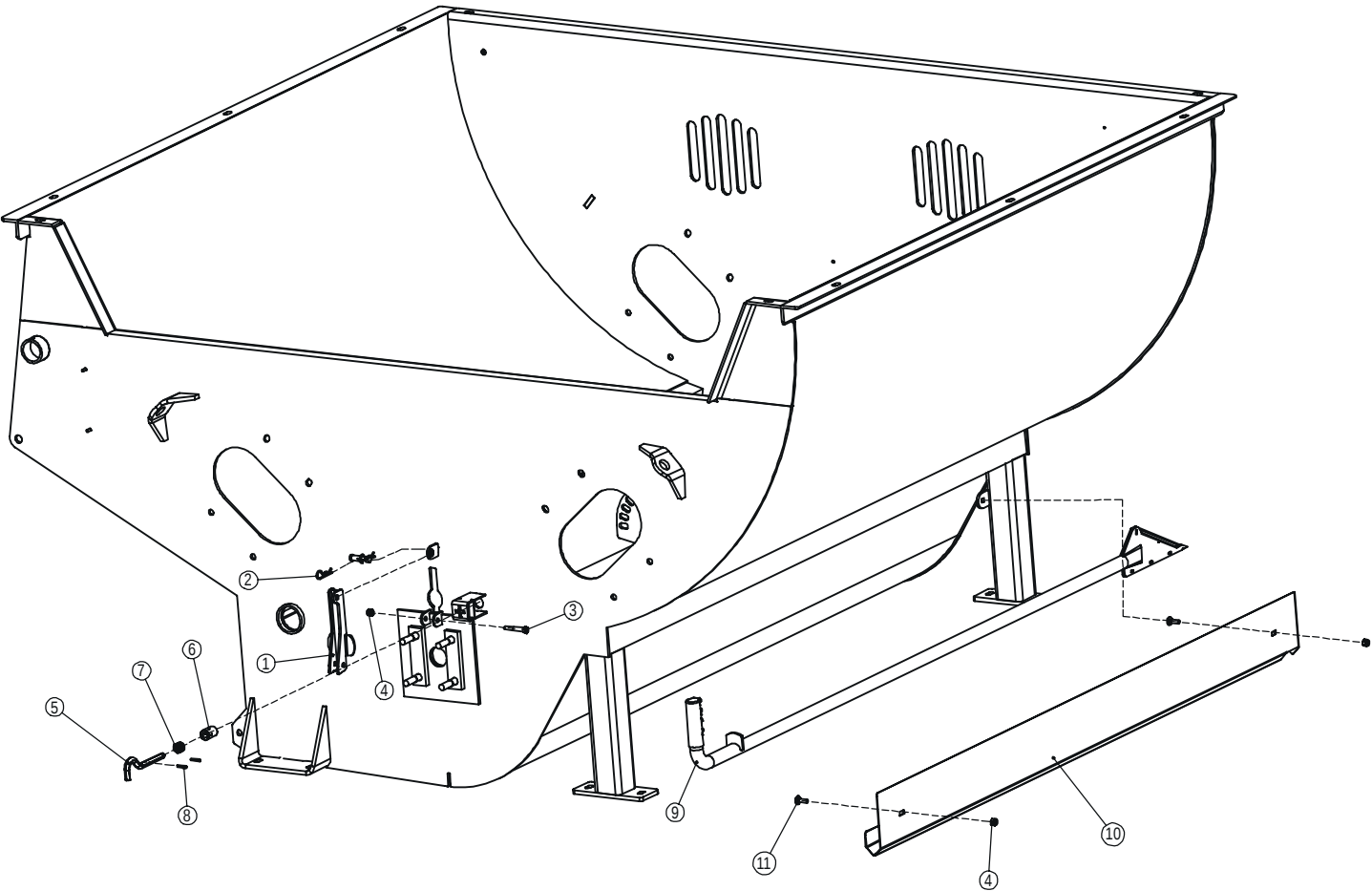
3.9 Discharge Winch Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30610	PULLEY,CABLE,1/4-3/8,3,1500	1
2	30608	WINCH,HAND	1
2a	49245	WINCH,HANDLE ASSEMBLY	1
3	31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	3
4	31176	NUT,NYLOCK,3/8,UNC,ZP	3
5	31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	1
6	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	1
7	31173	NUT,NYLOCK,1/2,UNC,ZP	2
8	E5037	PIPE,7/8X.188WX1/2L	1
9	31236	WASHER,FLAT,1/2,ZP	2
10	E5038	CABLE,WINCH	1
11	49113	LOCK,TETHERED,DOOR,DISCHARGE	1



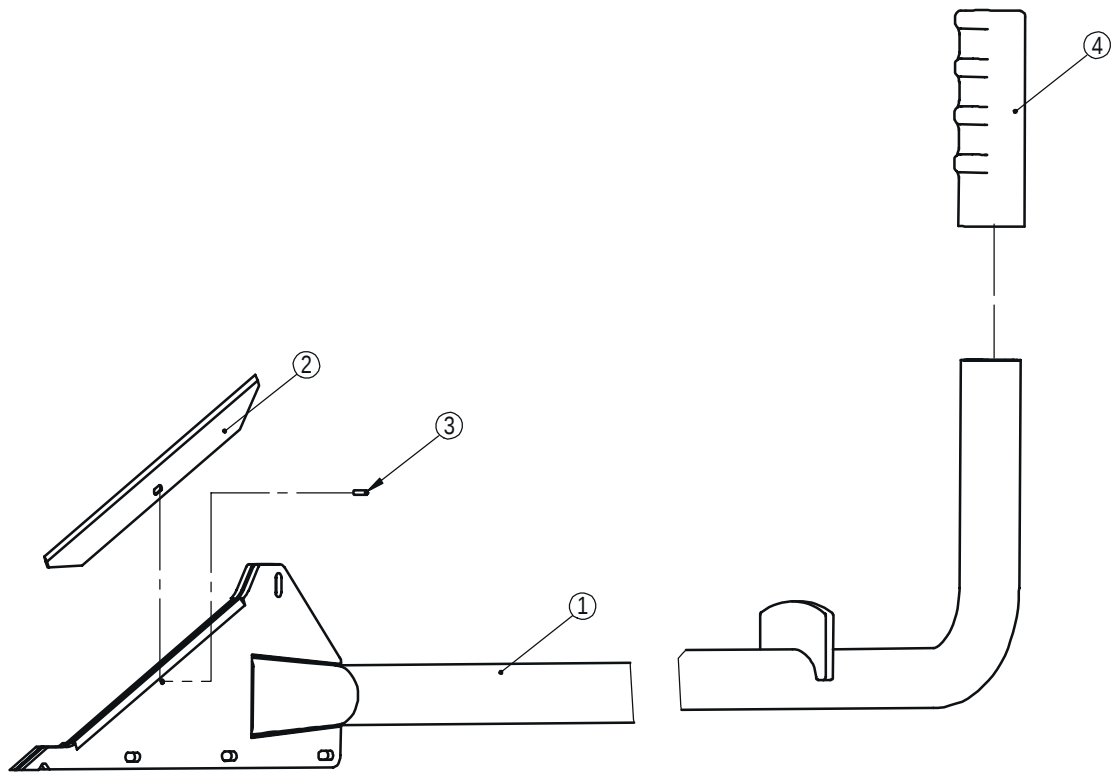
3.10 Twine Cutter Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49170	EXTENSION,GUIDE	1
2	49113	LOCK, TETHERED, DOOR, DISCHARGE	1
3	31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	1
4	31176	NUT,NYLOCK,3/8,UNC,ZP	3
5	E5848	LOCK,HANDLE,DRUM,FLAIL	1
6	E5850	LOCK,DRUM,FLAIL	1
7	31811	SPRING,COMPRESSION,7/8X2	1
8	31805	PIN,SPRING,3/16X1-1/2	2
9	49165	CUTTER,TWINE,COMPLETE	1
10	E5845	SHT,HOLDER,TWINE CUTTER	1
11	31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	2



3.10.1 Twine Cutter Tool Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49164	CUTTER, TWINE	1
2	E5838	BLADE, TWINE CUTTER	1
3	31809	PIN, SPRING, 3/32X5/16	1
4	31810	GRIP, HANDLE, 1-1/4IDX4-1/2	1

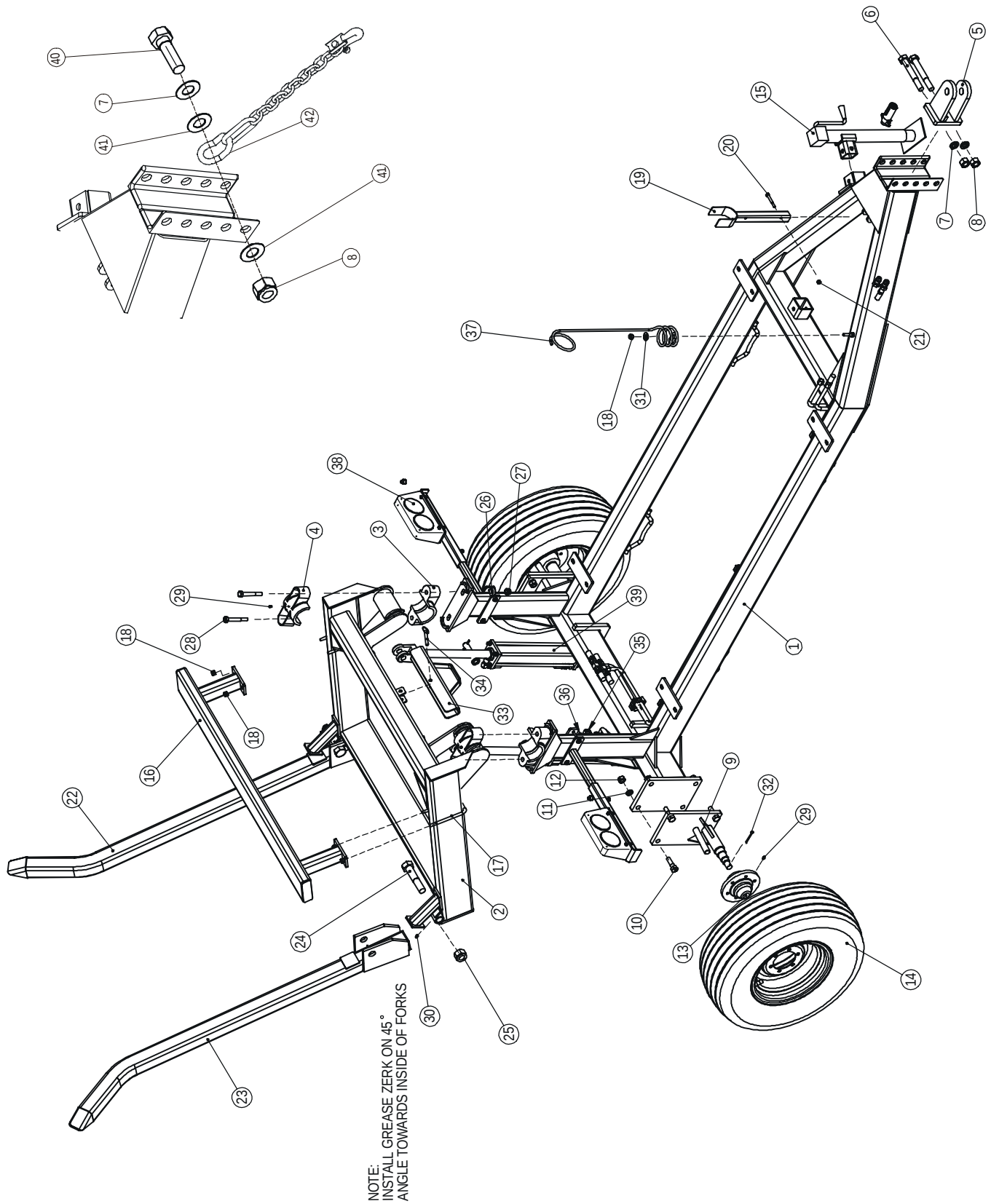


3.11 Cart Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49171	FRAME, BP	1
2	45192	DUMP	1
3	30231	CLAMP, PIPE, BOTTOM	2
4	30230	CLAMP, PIPE, TOP	2
5	45060	TONGUE, HITCH	1
6	31038	BOLT, HEX, 1X7-1/2, UNC, GR5, ZP	2
7	31243	WASHER, LOCK, 1, ZP	2
8	31162	NUT, HEX, 1, UNC, GR5, ZP	2
9	49022	AXLE	2
10	31040	BOLT, HEX, 3/4X2-1/2, UNC, GR5, ZP	8
11	31246	WASHER, LOCK, 3/4, ZP	8
12	31167	NUT, HEX, 3/4, UNC, GR5, ZP	8
13	45224	SUSP, HUB, H611, 3600lbs	2
14	49089	WHEEL, COMPLETE, BP, OFF-WHITE	2
15	31800	JACK, 5000LBX15, SQ MNT, SIDEWIND	1
16	49095	BUMPER	1
17	31061	BOLT, U, SQ, 1/2-13, 3x7	2
18	31173	NUT, NYLOCK, 1/2, UNC, ZP	5
19	49020	SUPPORT, CV	1
20	30374	BOLT, HEX, 3/8X3, UNC, GR5, ZP	1
21	31176	NUT, NYLOCK, 3/8, UNC, ZP	1
22	49093	FORK, LEFT	1
23	49094	FORK, RIGHT	1
24	31034	BOLT, HEX, 1-1/4X6, UNC, GR5, ZP	2
25	31171	NUT, NYLOCK, 1-1/4, UNC, ZP	2
26	31240	WASHER, FLAT, 5/8, ZP	4
27	31178	NUT, NYLOCK, 5/8, UNC, ZP	4
28	31205	BOLT, HEX, 5/8X4-1/2, UNC, GR8, ZP	4
29	30207	ZERK, 1/4-28, GF641, STRAIGHT	4
30	91703	ZERK, 1/4-28 X 45 °	2
31	31236	WASHER, FLAT, 1/2, ZP	1
32	31183	PIN, COTTER, 3/16X2	2
33	49196	LOCK, CYLINDER, DUMP	1
34	31813	PIN, QUICK RELEASE, 1/2X3, ZP	1
35	31814	CLIP, GRIPPER, 1 - 1-1/2	2
36	31739	RIVET, ST, 3/16x.565, .375 HEAD	2
37	30206	HYD, HOLDER, HOSE, 1/2	1
38	49186	KIT, LIGHT, BP	1
39	49184	HYD, CYLINDER	1

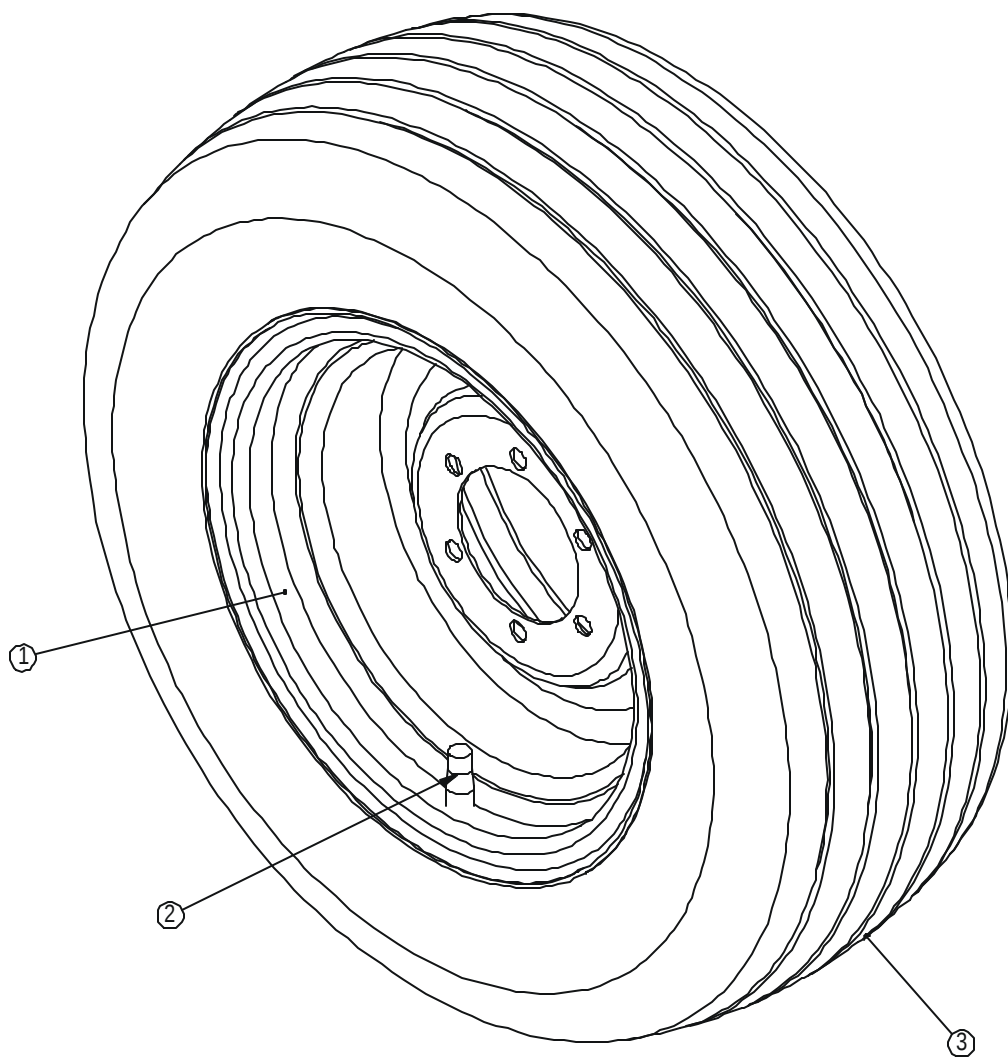
Optional Safety Chain

ITEM NO.	PART NO.	DESCRIPTION	QTY.
7	31243	WASHER, LOCK, 1, ZP	1
8	31162	NUT, HEX, 1, UNC, GR5, ZP	1
40	31471	1"X3" HEX BOLT, UNC, GR5	1
41	31235	1" FLAT WASHER	2
42	31590	CHAIN, SAFETY, ASAE, 10100LB, 5'4"	1



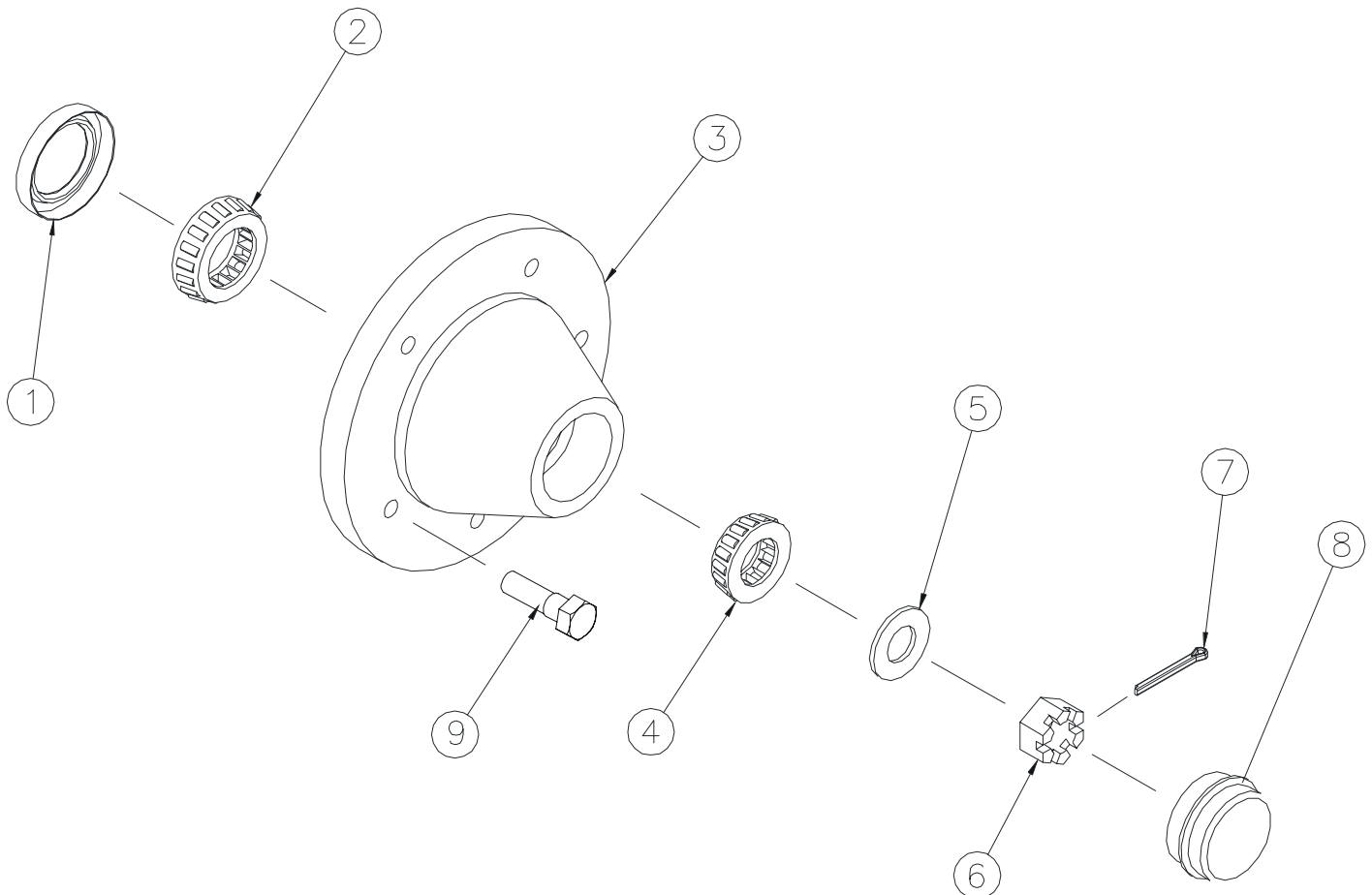
3.11.1 Wheel Assembly

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	45223	SUSP,WHEEL,15X9LB,1.12OFF,6
2	1	91048	SUSP,STEM,VALVE,TR415
3	1	45222	SUSP,TIRE,11LX15FI



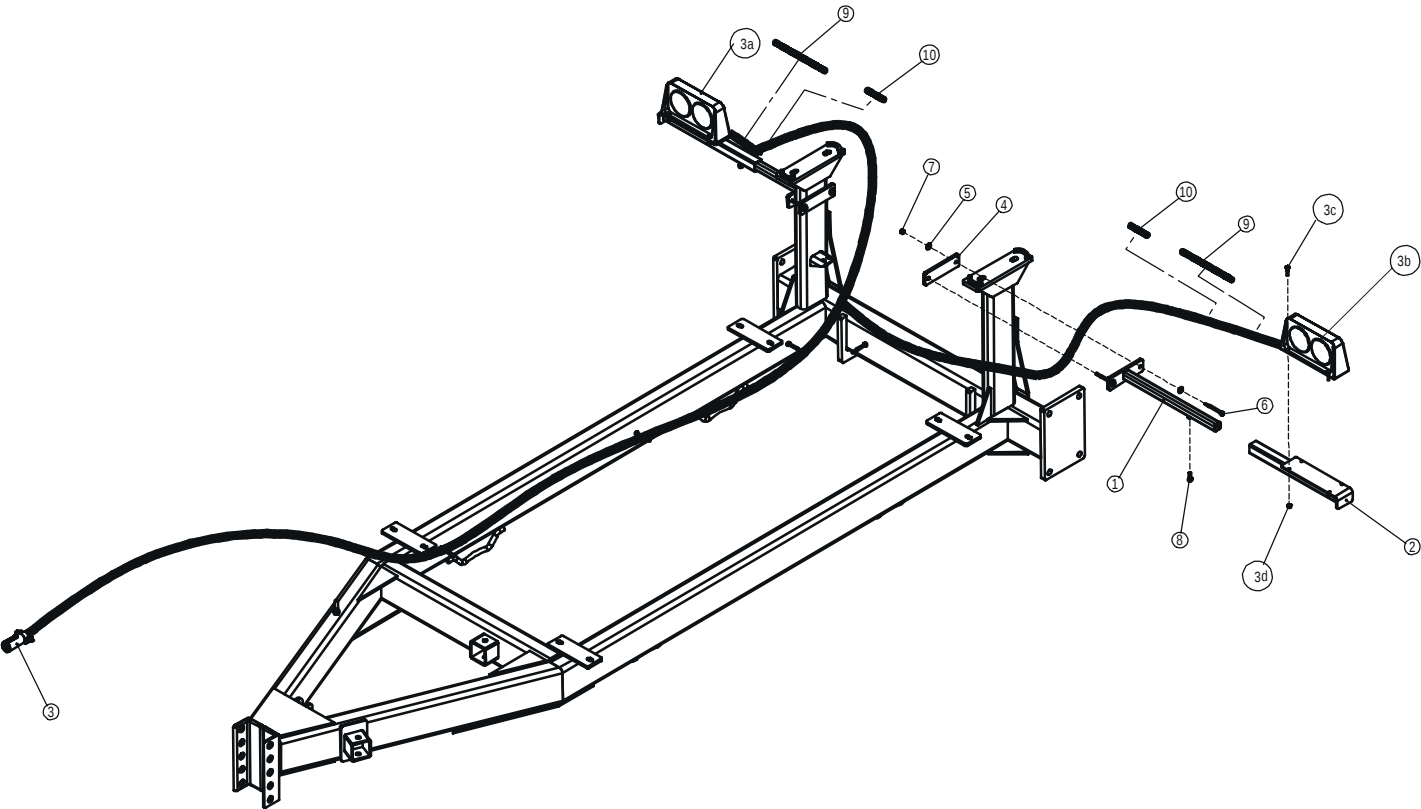
3.11.2 Hub Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30346	OIL SEAL	1
2	30345	BEARING, 1-1/4" BORE	1
3	30373	HUB	1
4	30344	BEARING, 1-1/2" BORE	1
5	30371	FLAT WASHER	1
6	30372	CASELLATED NUT	1
7	31183	3/16" x 2" COTTER PIN	1
8	30342	DUST CAP	1
9	30347	1/2" WHEEL BOLT	6



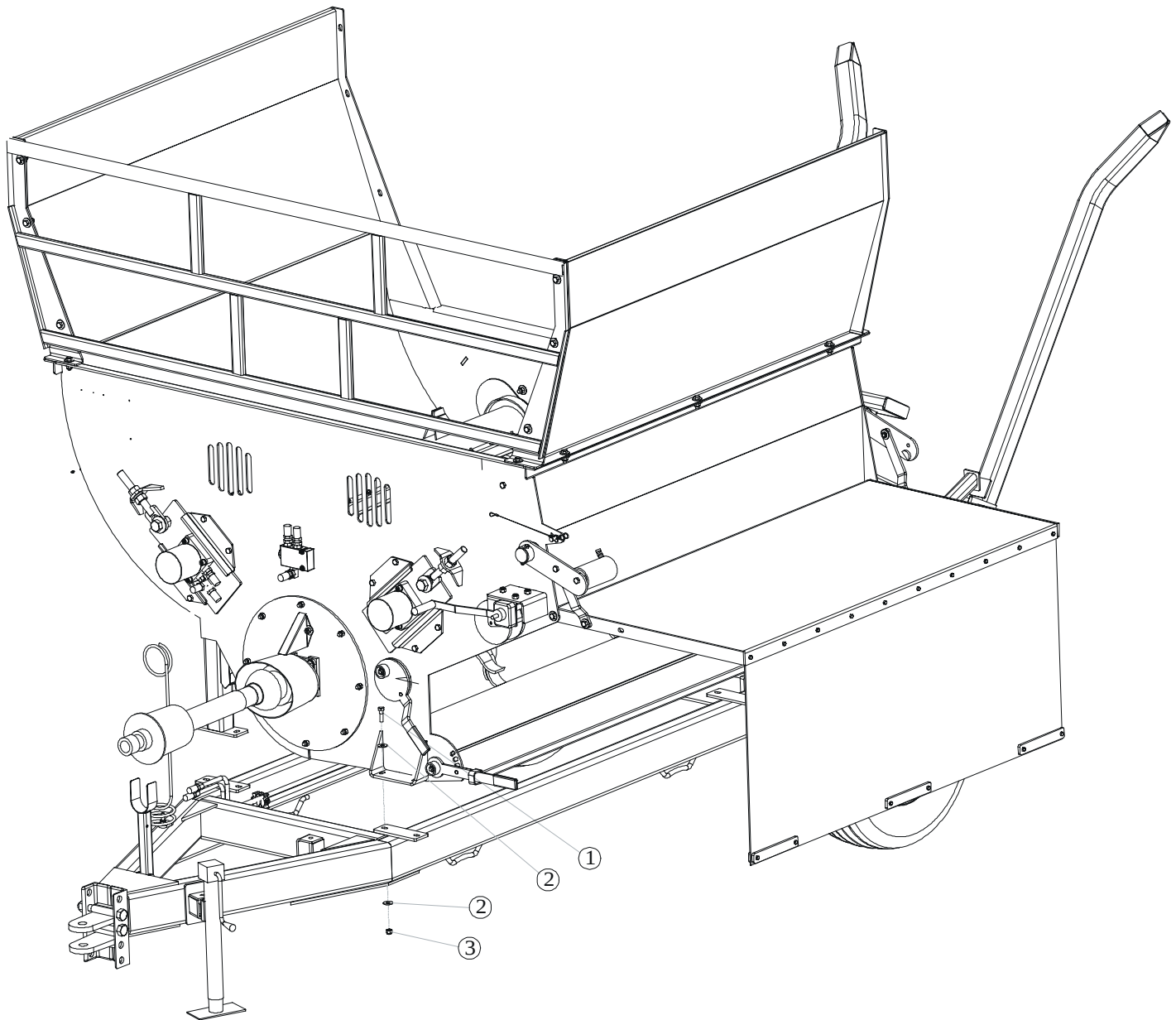
3.12 Light Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49081	MOUNT,LIGHT,TELESCOPIC,INNER	2
2	49082	MOUNT,LIGHT,TELESCOPIC,OUTER	2
3	37985	ELEC,LIGHT KIT BP7000+	1
3a	30527	RIGHT LIGHT	1
3b	30526	LEFT LIGHT	1
3c	31581	1/4X1-1/4 HEX BOLT, UNC,GR5	8
3d	31174	1/4 NYLOCK LOCKNUT,UNC,GR5	8
4	E3759	PLT,MOUNT,LIGHT	2
5	31239	WASHER,FLAT,5/16,ZP	8
6	31324	BOLT,HEX,5/16X3-1/4,UNC,GR5,ZP	4
7	31177	NUT,NYLOCK,5/16,UNC,ZP	4
8	31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	2
9	92143 (10)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	2
10	92143 (3.5)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	2



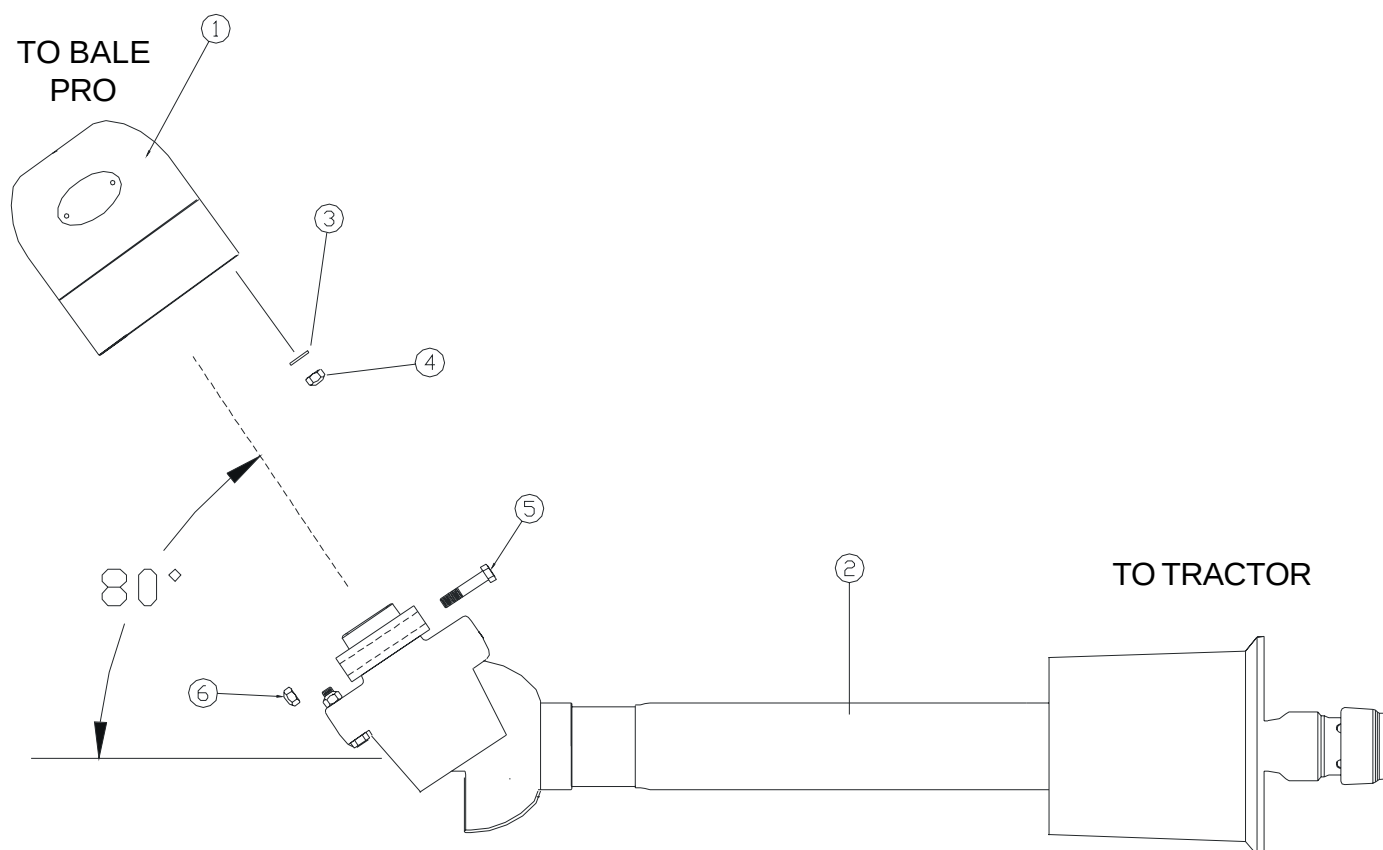
3.13 Tub to Cart Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	8
2	31236	WASHER,FLAT,1/2,ZP	16
3	31173	NUT,NYLOCK,1/2,UNC,ZP	8



3.14 CV Installation

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30284	CV SHIELD	1
2	45275	CV	1
3	31240	5/8" FLAT WASHER	8
4	31168	5/8" NYLOCK JAM NUT	4
5	31056	5/8" x 3-1/2" HEX BOLT	2
6	31178	5/8" NYLOCK LOCK NUT	2

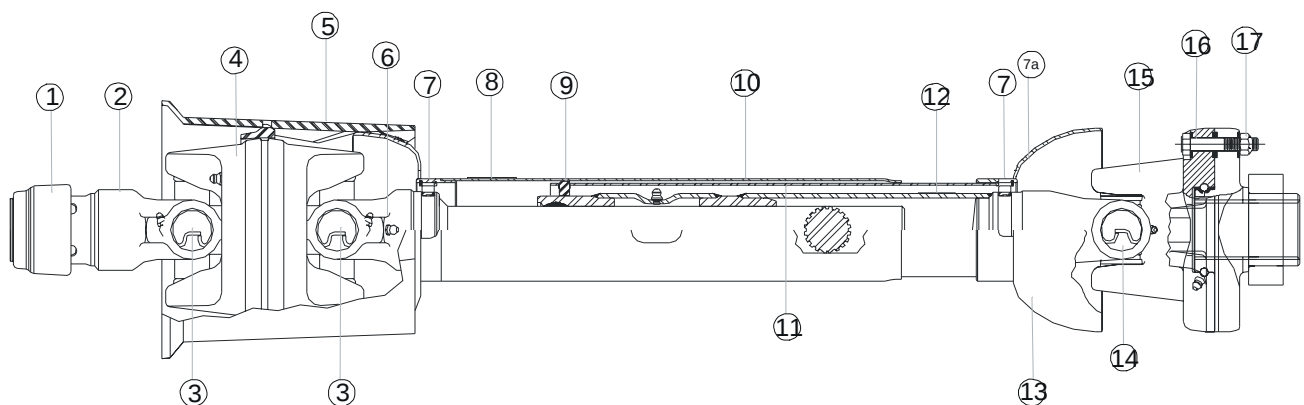


WARNING: EXCEEDING AN 80 DEGREE ANGLE BETWEEN THE BALE PROCESSOR AND THE TRACTOR WILL VOID THE CV WARRANTY.

CV IS NOT TO BE USED ON THE FRONT OF A BI-DIRECTIONAL TRACTOR. THIS WILL VOID WARRANTY.

3.15 CV Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30352	AUTO LOCK REPAIR KIT	1
2*	30353	AUTO LOCK YOKE ASSEMBLY (STANDARD)	1
2**	30499	1-3/8", 540rpm, AUTO LOCK (OPTIONAL)	
2***	31685	1-3/4", 1000rpm, AUTO LOCK (OPTIONAL)	
3	30354	CAT 4 80° CROSS AND BEARING	2
4	30355	CENTER HOUSING	1
5	30356	BELL EXTENSION (WITH CENTRALIZER)	1
6	30357	YOKE AND SHAFT	1
7	30616	NON-ROTATION GUARD REPAIR KIT	2
7a (Not shown)	31824	DRV,DL,CHAIN,NON-ROTATING	1
8	30359	SAFETY SIGN	1
9	30617	CENTRALIZER	1
10	30618	OUTER GUARD	1
11	30619	INNER GUARD	1
12	30363	SAFETY SIGN	1
13	30364	YOKE, TUBE AND SLIP SLEEVE	1
14	30365	35R CROSS AND BEARING KIT	1
15	30366	BALL AND SHEAR ASSEMBLY	1
16	30367	3/8" x 2" HEX BOLT, UNC, Gr5	1
17	30368	3/8" LOCKNUT, UNC, Gr5	1
	30612	JOINT AND SHAFT HALF ASSEMBLY (WITH GUARD)	
	30613	JOINT AND SHAFT HALF ASSEMBLY	
	30614	JOINT AND TUBE HALF ASSEMBLY (WITH GUARD)	
	30615	JOINT AND TUBE HALF ASSEMBLY	



IMPORTANT:

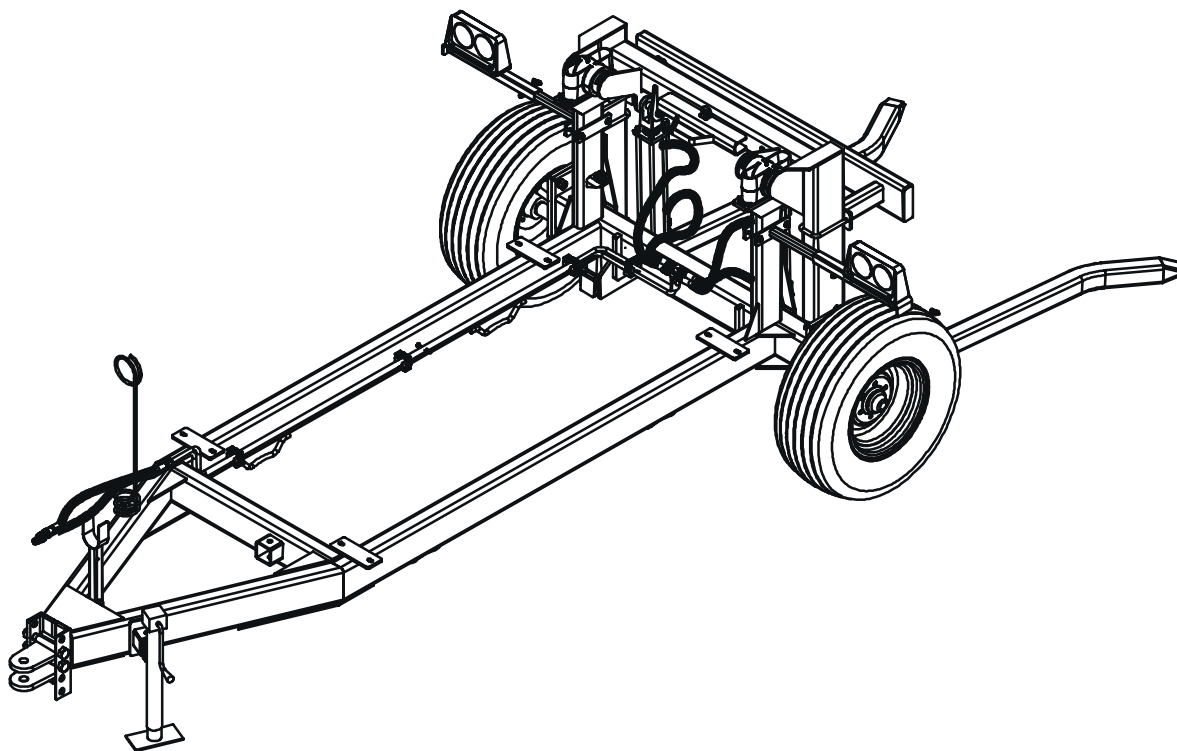
*Ensure that the drawbar on the tractor is extended so that the drawbar pin is 17" from the groove on the tractor's PTO.

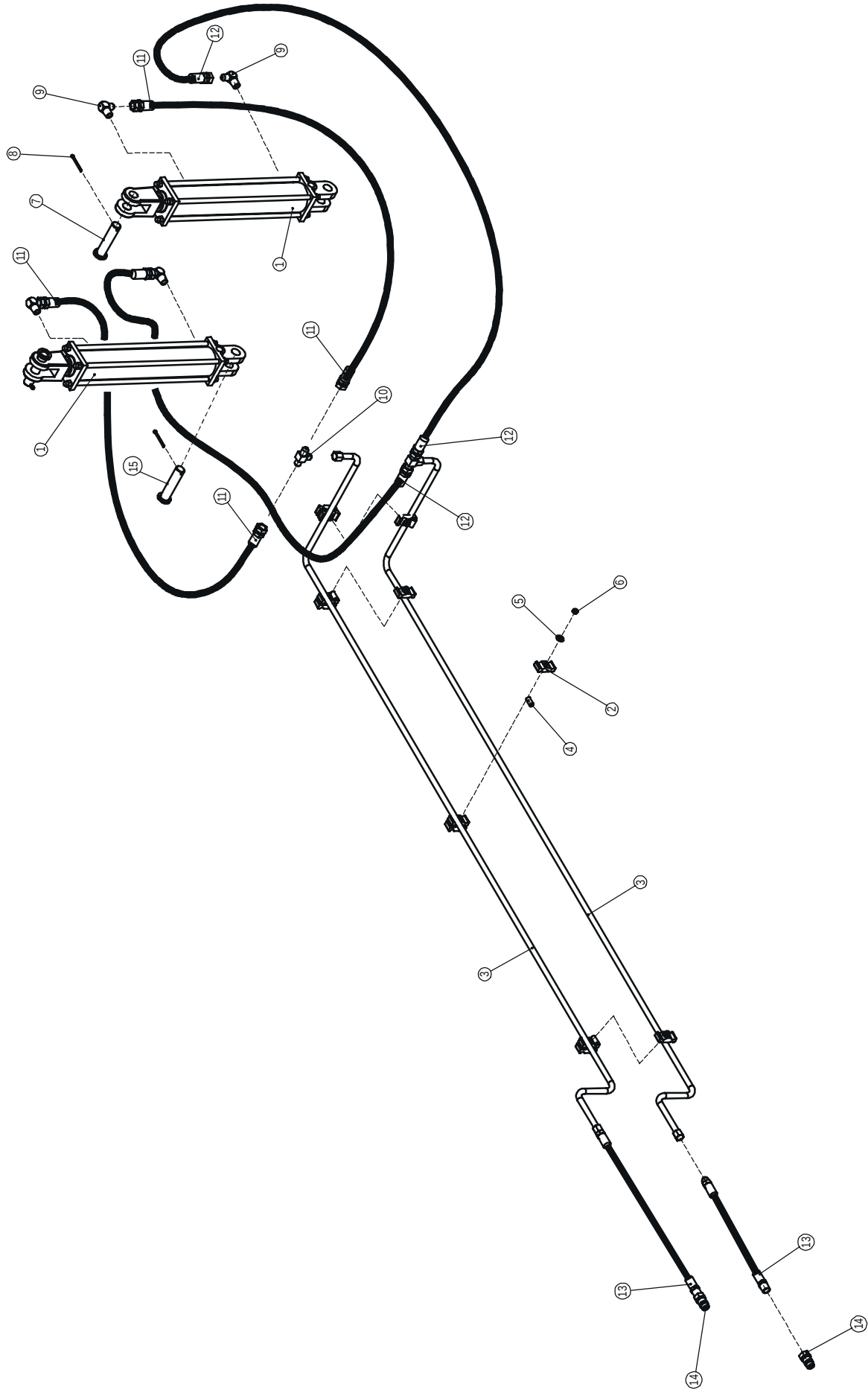
**Ensure that the drawbar on the tractor is extended so that the drawbar pin is 15-1/2" from the groove on the tractor's PTO.

***Ensure that the drawbar on the tractor is extended so that the drawbar pin is 21-1/2" from the groove on the tractor's PTO.

3.16 Cylinder Hydraulics

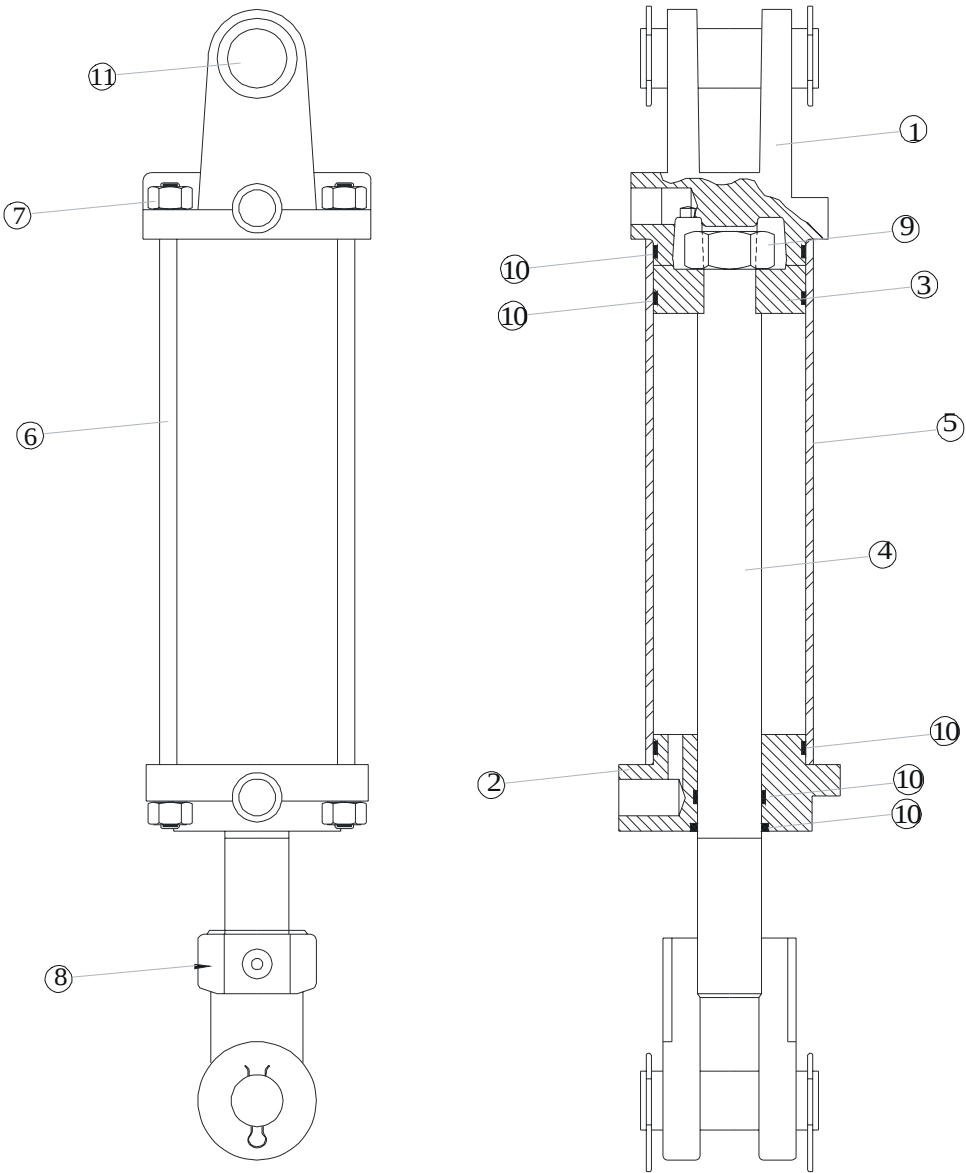
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	90133	Hyd,Cyl,3X16,1.5,8FP	2
2	30210	HOSECLAMP, 1/2	12
3	31802	HYD,LINE,STEEL,115,1/2X.049,8FJ	2
4	E3669	PIPE,1/2x.049Wx1L	5
5	31239	WASHER,FLAT,5/16,ZP	4
6	31177	NUT,NYLOCK,5/16,UNC,ZP	4
7	45185	PIN, CYL, TOP	2
8	31183	PIN,COTTER,3/16X2	6
9	30212	HYD,FIT,ELBOW,8MP-8MJ90	4
10	30313	HYD,FIT,TEE,8MJ-8MJ-8MJ	2
11	90333	HYD,HOSE,3/8X28,8FJX-8FJX,2W	2
12	90332	HYD,HOSE,3/8X20,8FJX-8FJX,2W	2
13	30280	HYD,HOSE,3/8X96,8MP-8MJ,2W	2
14	30209	HYD,FIT,PIONEER,MALE,8FP	2
15	32250	BOTTOM CYLINDER PIN	2





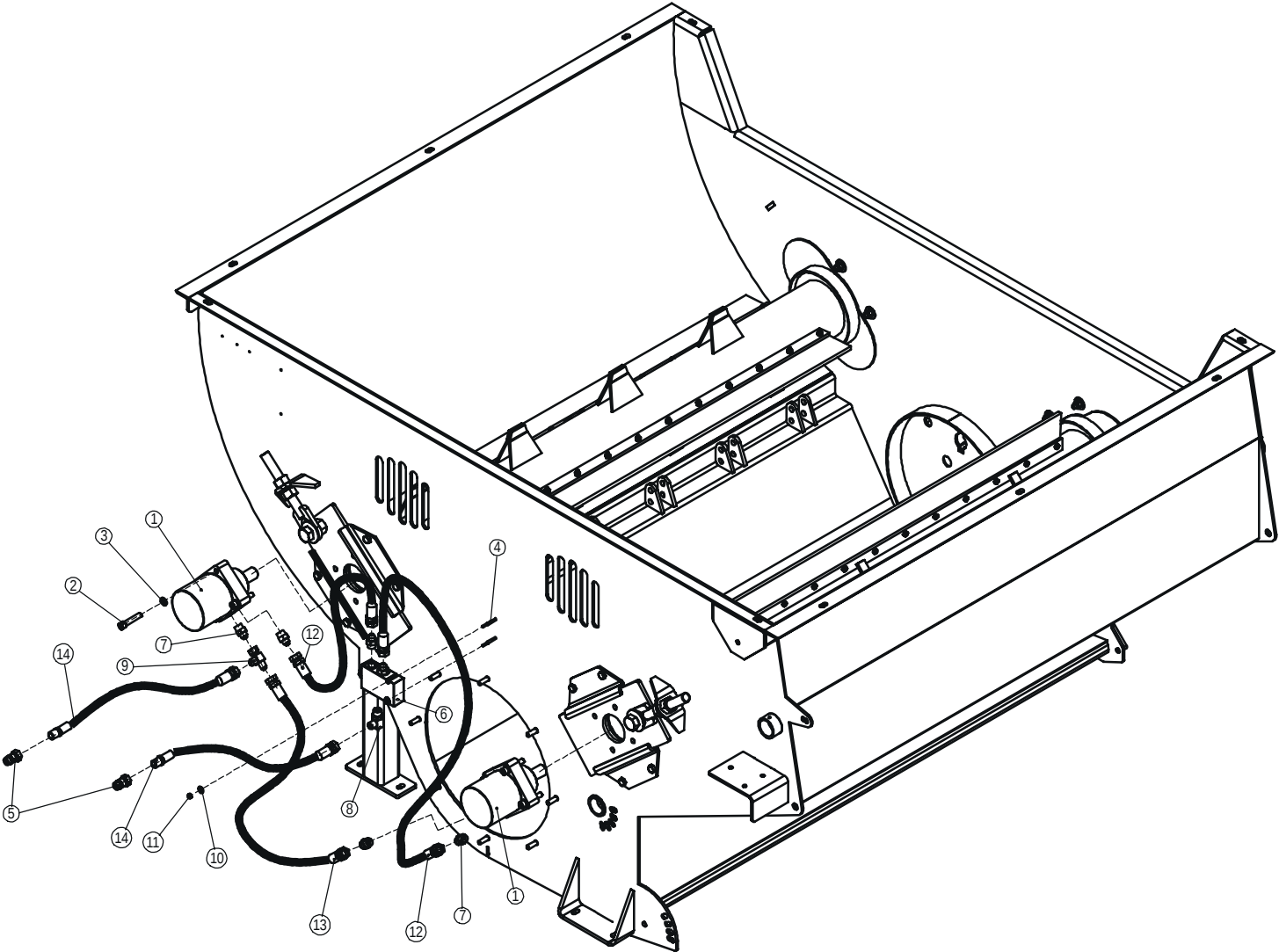
3.17 Cylinder Assembly

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	90991	CLEVIS CAP	1
2	32257	ROD CAP	1
3	90706	PISTON	1
4	90846	1-1/2" ROD	1
5	90993	CYLINDER TUBE	1
6	90802	1/2" TIE ROD	4
7	90800	1/2" NUT, UNF	8
8	90849	ROD CLEVIS	1
9	90722	1-14 NUT, UNF	1
10	90676	SEAL KIT	1
11	45185	TOP CYLINDER PIN	2



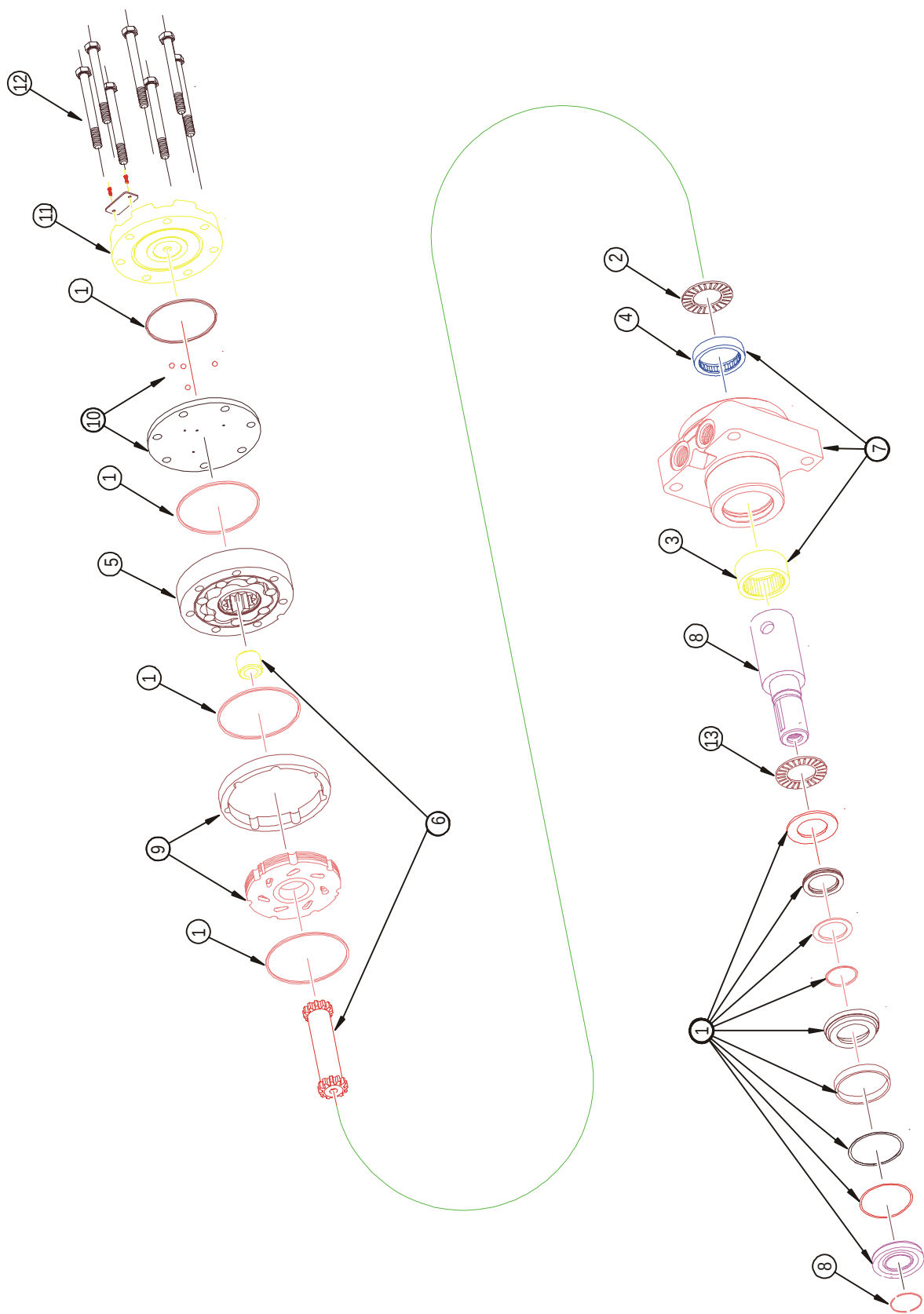
3.18 Motor Hydraulics

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	92145	HYD,MOTOR,RE3207050	2
2	31059	BOLT,SHCS,1/2X2-1/2,UNC,GR5,ZP	8
3	31244	WASHER,LOCK,1/2,ZP	8
4	31032	BOLT,HEX,1/4X2-1/4,UNC,GR5,ZP	2
5	30209	HYD,FIT,PIONEER,MALE,8FP	2
6	45232	HYD,VALVE,DIVIDER	1
7	30204	HYD,FIT,ADAPTER,10MB-8MJ	6
8	30145	HYD, FIT, ELBOW, 10MB-8MJ90	1
9	30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	1
10	31237	WASHER,FLAT,1/4,ZP	2
11	31174	NUT,NYLOCK,1/4,UNC,ZP	2
12	90240	HYD,HOSE,3/8X36,8FJX-8FJX,2W	2
13	90271	HYD,HOSE,3/8X42,8FJX-8FJX,2W	1
14	30281	HYD,HOSE,1/2X96,8MP-8FJX,2W	2



3.18.1 Orbit Motor Assembly

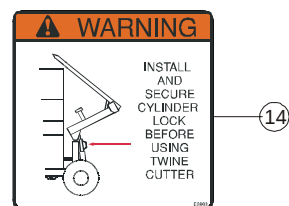
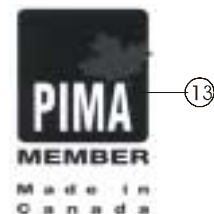
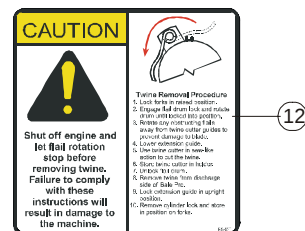
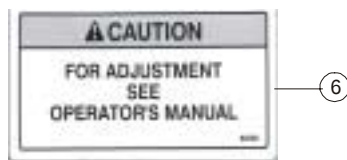
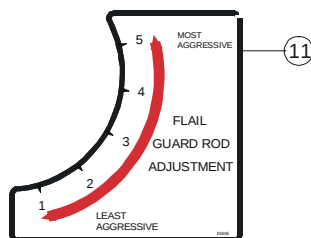
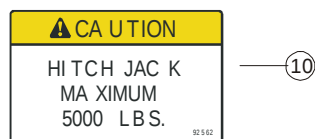
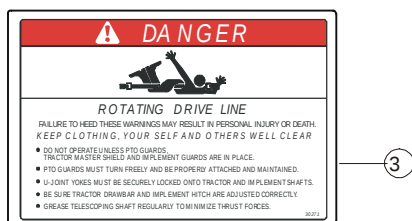
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32647	SEAL KIT, ROLLER STATOR	1
2	32651	BEARING, THRUST, REAR	1
3	32720	BEARING, HOUSING, FRONT	1
4	32649	BEARING, HOUSING, REAR, 1/2"	1
5	32643	ROTOR KIT	1
6	32722	DRIVE LINK KIT	1
7	32723	HOUSING KIT	1
8	32653	SHAFT KIT	1
9	32725	MANIFOLD KIT	1
10	32726	BALANCE PLATE AND BALLS	1
11	32727	END COVER	1
12	32655	BOLT	7
13	32639	BEARING, THRUST, FRONT	1



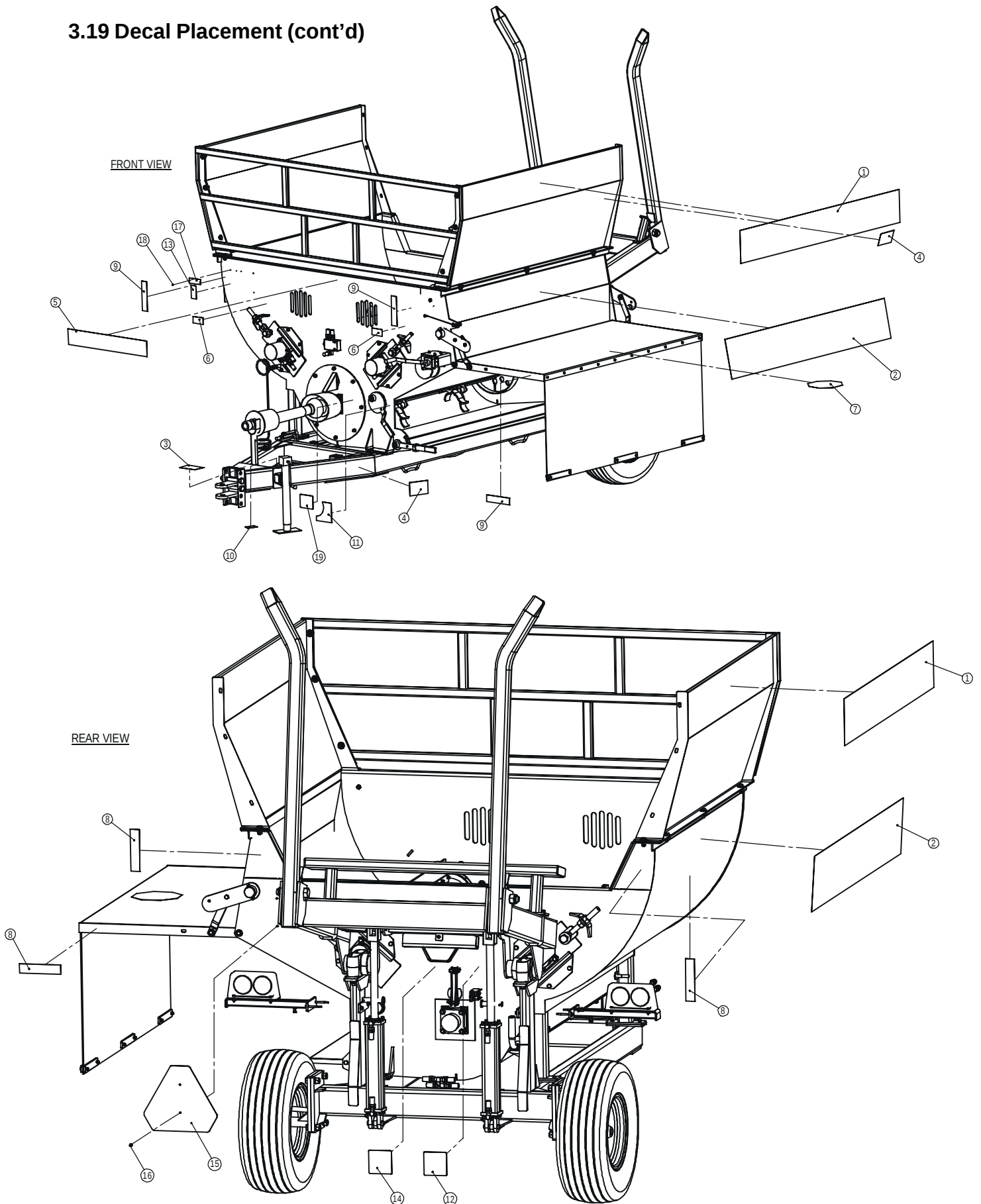
3.19 Decal Placement

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	E5057	DECAL,HIGHLINE,72X10	2
2	E5860	DECAL,BP7000 PLUS	2
3	30271	DECAL,DANGER,ROTATING DRIVE	1
4	30285	DECAL,DANGER,TO PREVENT	2
5	92579	DECAL,HIGHLINE,4X30	1
6	92558	DECAL,WARNING,FOR ADJUSTMENT	2
7	92573	DECAL,DANGER,OCTAGON	1
8*	30577	DECAL,RED REFL,2X9	3
9*	30578	DECAL,AMBER REFL,2X9	3
10	92562	DECAL,WARNING,HITCH,JACK	1
11	E5865	DECAL,ROD ADJ	1
12	E5857	DECAL,TWINE CUTTER	1
13	32981	DECAL,PIMA	1
14	E5868	DECAL,LOCK,CYLINDER	1
15	92028	SIGN,SLOWMOVING,S276.5	1
16	31174	NUT,NYLOCK,1/4,UNC,ZP	2
17	30208	PLT,SERIAL#	1
18	30288	RIVET,ST,1/8X.390,.250HEAD	2
19	E6105	DECAL,WARNING,CV ANGLE	1

*Not Shown



3.19 Decal Placement (cont'd)



4.0 Part Index

PartNum	DESCRIPTION	PAGE	ITEM
30145	HYD,FIT,ELBOW,10MB-8MJ90	41	8
30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	41	9
30204	HYD,FIT,ADAPTER,10MD-8MJ	41	7
30206	HYD,HOLDER,HOSE,1/2	30	37
30207	ZERK,1/4-28,GF641,STRAIGHT	24	14
30207	ZERK,1/4-28,GF641,STRAIGHT	30	29
30208	PLT,SERIAL #	44	17
30209	HYD,FIT,PIONEER,MALE,8FP	38	14
30209	HYD,FIT,PIONEER,MALE,8FP	41	5
30210	HOSECLAMP,1/2	38	2
30212	HYD,FIT,ELBOW,8MP-8MJ90	38	9
30230	CLAMP,PIPE,TOP	30	4
30231	CLAMP,PIPE,BOTTOM	30	3
30271	DECAL,DANGER,ROTATING DRIVE	44	3
30280	HYD,HOSE,3/8X96,8MP-8MJ,2W	38	13
30281	HYD,HOSE,1/2X96,8MP-8FJX,2W	41	14
30284	CV SHIELD	36	1
30285	DECAL,DANGER,TO PREVENT	44	4
30288	RIVET,ST,1/8X.390,.250HEAD	44	18
30313	HYD,FIT,TEE,8MJ-8MJ-8MJ	38	10
30342	DUST CAP	33	8
30344	BEARING,1-1/2 BORE	33	4
30345	BEARING,1-1/4 BORE	33	2
30346	OIL SEAL	33	1
30347	1/2 WHEEL BOLT	33	9
30352	AUTO LOCK REPAIR KIT	37	1
30353	AUTO LOCK YOKE ASSEMBLY (STANDARD)	37	2*
30354	CAT4 80° CROSS AND BEARING	37	3
30355	CENTER HOUSING	37	4
30356	BELL EXTENSION (WITH CENTRALIZER)	37	5
30357	YOKE AND SHAFT	37	6
30359	SAFETY SIGN	37	8
30363	SAFETY SIGN	37	12
30364	YOKE,TUBE,AND SLIP SLEEVE	37	13
30365	35R CROSS AND BEARING KIT	37	14
30366	BALL AND SHEAR ASSEMBLY	37	15
30367	3/8X2 HEX BOLT,UNC,GR5	37	16
30368	3/8 LOCK NUT,UNC,GR5	37	17
30371	FLAT WASHER	33	5
30372	CASELLATED NUT	33	6
30373	HUB	33	3
30374	BOLT,HEX,3/8X3,UNC,GR5,ZP	24	9
30374	BOLT,HEX,3/8X3,UNC,GR5,ZP	30	20
30499	1-3/8,540RPM,AUTO LOCK (OPTIONAL)	37	2**
30526	LEFT LIGHT	34	3b
30527	RIGHT LIGHT	34	3a
30577	DECAL,RED REFL,2X9	44	8
30578	DECAL,AMBER REFL,2X9	44	9

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30608	WINCH,HAND	27	2
30610	PULLEY,CABLE,1/4-3/8,3,1500	27	1
30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	22	9
30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	24	12
30612	JOINT AND SHAFT HALF ASSEMBLY (WITH GUARD)	37	
30613	JOINT AND SHAFT HALF ASSEMBLY	37	
30614	JOINT AND TUBE HALF ASSEMBLY (WITH GUARD)	37	
30615	JOINT AND TUBE HALF ASSEMBLY	37	
30616	NON-ROTATION GUARD REPAIR KIT	37	7
30617	CENTRALIZER	37	9
30618	OUTER GUARD	37	10
30619	INNER GUARD	37	11
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	18	10
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	20	17
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	23	4
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	24	2
31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	26	7
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	20	15
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	22	10
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	24	13
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	27	6
31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	35	1
31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	22	8
31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	27	5
31032	BOLT,HEX,1/4X2-1/4,UNC,GR5,ZP	41	4
31034	BOLT,HEX,1-1/4X6,UNC,GR5,ZP	30	24
31038	BOLT,HEX,1X7-1/2,UNC,GR5,ZP	30	6
31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	30	10
31043	BOLT,HEX,3/8X1,UNC,GR5,ZP	34	8
31046	BOLT,HEX,5/16X1-1/2,UNC,GR5,ZP	24	20
31047	BOLT,HEX,5/16X1-3/4,UNC,GR5,ZP	17	4
31058	BOLT,HEX,9/16X3-1/2,UNC,GR5,ZP	22	5
31059	BOLT,SHCS,1/2X2-1/2,UNC,GR5,ZP	36	5
31059	BOLT,SHCS,1/2X2-1/2,UNC,GR5,ZP	41	2
31061	BOLT,U,SQ,1/2-13,3X7	30	17
31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	20	14
31159	NUT,ACME,1,5TPI,RH	20	9
31162	NUT,HEX,1,UNC,GR5,ZP	30	8
31167	NUT,HEX,3/4,UNC,GR5,ZP	30	12
31168	NUT,NYLOCK,JAM,5/8,UNC,ZP	18	11
31168	NUT,NYLOCK,JAM,5/8,UNC,ZP	36	4
31170	NUT,UNI-TORQUE,3/4,UNF,GR8,ZP	16	4
31171	NUT,NYLOCK,1-1/4,UNC,ZP	30	25
31173	NUT,NYLOCK,1/2,UNC,ZP	18	3
31173	NUT,NYLOCK,1/2,UNC,ZP	20	19
31173	NUT,NYLOCK,1/2,UNC,ZP	22	13
31173	NUT,NYLOCK,1/2,UNC,ZP	23	5
31173	NUT,NYLOCK,1/2,UNC,ZP	24	4
31173	NUT,NYLOCK,1/2,UNC,ZP	26	6
31173	NUT,NYLOCK,1/2,UNC,ZP	27	7
31173	NUT,NYLOCK,1/2,UNC,ZP	30	18
31173	NUT,NYLOCK,1/2,UNC,ZP	35	3
31174	NUT,NYLOCK,1/4,UNC,ZP	18	14

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31174	1/4 NYLOCK LOCKNUT,UNC,GR5	34	3d
31174	NUT,NYLOCK,1/4,UNC,ZP	41	11
31174	NUT,NYLOCK,1/4,UNC,ZP	44	16
31176	NUT,NYLOCK,3/8,UNC,ZP	24	10
31176	NUT,NYLOCK,3/8,UNC,ZP	27	4
31176	NUT,NYLOCK,3/8,UNC,ZP	28	4
31176	NUT,NYLOCK,3/8,UNC,ZP	30	21
31177	NUT,NYLOCK,5/16,UNC,ZP	17	5
31177	NUT,NYLOCK,5/16,UNC,ZP	24	18
31177	NUT,NYLOCK,5/16,UNC,ZP	34	7
31177	NUT,NYLOCK,5/16,UNC,ZP	38	6
31178	NUT,NYLOCK,5/8,UNC,ZP	18	5
31178	NUT,NYLOCK,5/8,UNC,ZP	30	27
31178	NUT,NYLOCK,5/8,UNC,ZP	36	6
31179	NUT,NYLOCK,9/16,UNC,ZP	22	6
31183	PIN,COTTER,3/16X2	30	32
31183	PIN,COTTER,3/16X2	33	7
31183	PIN,COTTER,3/16X2	38	8
31205	BOLT,HEX,5/8X4-1/2,UNC,GR8,ZP	30	28
31235	WASHER,FLAT,1,ZP	20	8
31235	1" FLAT WASHER	30	41
31236	WASHER,FLAT,1/2,ZP	20	18
31236	WASHER,FLAT,1/2,ZP	22	12
31236	WASHER,FLAT,1/2,ZP	23	3
31236	WASHER,FLAT,1/2,ZP	24	3
31236	WASHER,FLAT,1/2,ZP	26	3
31236	WASHER,FLAT,1/2,ZP	27	9
31236	WASHER,FLAT,1/2,ZP	30	31
31236	WASHER,FLAT,1/2,ZP	35	2
31237	WASHER,FLAT,1/4,ZP	18	13
31237	WASHER,FLAT,1/4,ZP	41	10
31239	WASHER,FLAT,5/16,ZP	34	5
31239	WASHER,FLAT,5/16,ZP	38	5
31240	WASHER,FLAT,5/8,ZP	30	26
31240	WASHER,FLAT,5/8,ZP	36	3
31242	WASHER,FLAT,9/16,ZP	22	7
31243	WASHER,LOCK,1,ZP	20	10
31243	WASHER,LOCK,1,ZP	30	7
31244	WASHER,LOCK,1/2,ZP	18	9
31244	WASHER,LOCK,1/2,ZP	20	13
31244	WASHER,LOCK,1/2,ZP	41	3
31246	WASHER,LOCK,3/4,ZP	30	11
31324	BOLT,HEX,5/16X3-1/4,UNC,GR5,ZP	34	6
31332	BOLT,HEX,1/2X1-1/4,UNC,GR5,ZP	24	11
31431	BOLT,CARR,1/2X2-1/4,UNC,GR5,ZP	26	2
31443	BOLT,HEX,5/16X1-1/4,UNC,GR5,ZP	24	17
31448	BOLT,HEX,1X2,UNC,GR8,ZP	20	7
31471	1X3 HEX BOLT,UNC,GR5	30	40
31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	27	3
31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	28	11
31581	1/4X1-1/4 HEX BOLT,UNC,GR5	34	3c
31590	CHAIN,SAFETY,ASAE,10100LB,5'4"	30	42
31668	WASHER,SPRING,3/4,342	22	11

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31668	WASHER,SPRING,3/4,342	26	5
31685	1-3/4,1000RPM,AUTO LOCK (OPTIONAL)	37	2***
31739	RIVET,ST,3/16X.565,.375 HEAD	30	36
31800	JACK,5000LBX15,SQ MNT,SIDEWIND	30	15
31802	HYD,LINE,STEEL,115,1/2X.049,8FJ	38	3
31805	PIN,SPRING,3/16X1-1/2	28	8
31809	PIN,SPRING,3/32X5/16	29	3
31810	GRIP,HANDLE,1-1/4IDX4-1/2	29	4
31811	SPRING,COMPRESSION,7/8X2	28	7
31813	PIN,QUICK RELEASE,1/2X3,ZP	30	34
31814	CLIP,GRIPPER,1 - 1-1/2	30	35
31830	BOLT,HEX,3/8X2-1/4,UNC,GR5,ZP	28	3
32250	BOTTOM CYLINDER PIN	38	15
32257	ROD CAP	40	2
32639	BEARING,THRUST,FRONT	42	13
32643	ROTOR KIT	42	5
32647	SEAL KIT,ROLLER,STATOR	42	1
32649	BEARING,HOUSING,REAR,1/2	42	4
32651	BEARING,THRUST,REAR	42	2
32653	SHAFT KIT	42	8
32655	BOLT	42	12
32720	BEARING,HOUSING,FRONT	42	3
32722	DRIVE LINK KIT	42	6
32723	HOUSING KIT	42	7
32725	MANIFOLD KIT	42	9
32726	BALANCE PLATE AND BALLS	42	10
32727	END COVER	42	11
32981	DECAL,PIMA	44	13
37985	ELEC,LIGHT KIT BP7000+	34	3
45060	TONGUE,HITCH	30	5
45099	BOLT,SUTD,5/8X3-3/4,UNF,GR8	16	3
45185	PIN,CYL,TOP	38	7
45185	PIN,CYL,TOP	40	11
45192	DUMP	30	2
45222	SUSP,TIRE,11LX15FI	32	3
45223	SUSP,WHEEL,15X9LB,1.12OFF,6	32	1
45224	SUSP,HUB,H611,3600LBS	30	13
45232	HYD,VALVE,DIVIDER	41	6
45275	CV	36	2
47012	GUARD,TWINE,REAR	20	3
47019	GUARD,TWINE,FRONT	20	2
49007	SCREEN,SPILL	23	2
49014	DEFLECTOR,BALE	23	1
49015	PLATE,SLIDE,REAR	20	4
49017	ROLLER,FEED,COMPLETE	20	1
49020	SUPPORT CV	30	19
49022	AXLE	30	9
49024	ROLLER,FEED	17	1
49053	GUARD,ROLLER,FEED	20	11
49054	GUARD,DRUM,FLAIL	18	6
49081	MOUNT,LIGHT TELESCOPIC,INNER	34	1
49082	MOUNT,LIGHT TELESCOPIC,OUTER	34	2
49089	WHEEL,COMPLETE,BP,OFF-WHITE	30	14

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49093	FORK,LEFT	30	22
49094	FORK,RIGHT	30	23
49095	BUMPER	30	16
49096	PLATE,SLIDE,FRONT	20	5
49098	DOOR,DISCHARGE	24	1
49099	DOOR,DISCHARGE,BOTTOM	26	1
49100	PIN,ADJUSTMENT,ROD,FLAIL	22	3
49101	HANDLE,ADJ,ROD,FLAIL	22	4
49102	HANDLE,DEFLECTOR,BOTTOM	26	4
49103	ARM,LINKAGE,FRONT	24	5
49104	ARM,LINKAGE,REAR	24	6
49107	ROD,ADJ,ROLLER,FEED	20	6
49108	GUARD,FLAIL	22	1
49110	BAR,ADJ,GUARD,FLAIL	22	2
49113	LOCK,TETHERED,DOOR,DISCHARGE	27	11
49113	LOCK,TETHERED,DOOR,DISCHARGE	28	2
49159	DRUM,FLAIL,WITH CUTTER	16	1
49160	DRUM,FLAIL,WITH CUTTER,COMPLETE	18	1
49163	PLATE,BEARING,FRONT	18	2
49164	CUTTER,TWINE	29	1
49165	CUTTER,TWINE,COMPLETE	28	9
49170	EXTENSION,GUIDE	28	1
49171	FRAME,BP	30	1
49184	HYD,CYLINDER	30	39
49186	KIT,LIGHT,BP	30	38
49196	LOCK,CYLINDER,DUMP	30	33
90133	HYD,CYL,3X16,1.5,8FP	38	1
90240	HYD,HOSE,3/8X36,8FJX-8FJX,2W	41	12
90271	HYD,HOSE,3/8X42,8FJX-8FJX,2W	41	13
90332	HYD,HOSE,3/8X20,8FJX-8FJX,2W	38	12
90333	HYD,HOSE,3/8X28,8FJX-8FJX,2W	38	11
90676	SEAL KIT	40	10
90706	PISTON	40	3
90722	1-14 NUT,UNF	40	9
90800	1/2 NUT,UNF	40	7
90802	1/2 TIE ROD	40	6
90846	1-1/2 ROD	40	4
90849	ROD CLEVIS	40	8
90991	CLEVIS CAP	40	1
90993	CYLINDER TUBE	40	5
91048	SUSP,STEM,VALVE,TR415	32	2
91703	ZERK,1/4-28X45°	30	30
92028	SIGN,SLOWMOVING,S276.5	44	15
92081	WASHER,FLAT,3/16X20DX9/16ID	18	8
92091	DRV,BRG,FLANGE,1-3/4	18	4
92094	DRV,BRG,FLANGE,1-3/8	20	12
92127	COVER,VINYL,3/8X1-1/2	22	14
92127	COVER,VINYL,3/8X1-1/2	26	8
92145	HYD,MOTOR,RE3207050	41	1
92558	DECAL,WARNING,FOR ADJUSTMENT	44	6
92562	DECAL,WARNING,HITCH,JACK	44	10
92573	DECAL,DANGER,OCTAGON	44	7
92579	DECAL,HIGHLINE,4X30	44	5

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92143(10)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	34	9
92143(3.5)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	34	10
E2083	PIPE,1X.188WX2-1/8L	16	2
E2138	PLATE,RETAINER,SLIDE	20	16
E3003	PLT,WEIGHT,BELTING	24	19
E3581	BELTING,ROLLER,FEED,14,HOLE	17	2
E3582	PLT,SCRAPER,RUBBER	17	3
E3646	PIPE,2-1/4X.240WX3/8L	18	7
E3669	PIPE,1/2X.049WX1L	38	4
E3694	FLAIL	16	5
E3759	PLT,MOUNT,LIGHT	34	4
E5017	PLT,RETAINING,BELTING	24	16
E5018	BELTING,DISCHARGE	24	15
E5019	PIPE,ADJ,DOOR,DISCHARGE	24	7
E5037	PIPE,7/8X.188WX1/2L	27	8
E5038	CABLE,WINCH	27	10
E5057	DECAL,HIGHLINE,72X10	44	1
E5838	BLADE,TWINE,CUTTER	29	2
E5845	SHT,HOLDER,TWINE CUTTER	28	10
E5848	LOCK,HANDLE,DRUM,FLAIL	28	5
E5850	LOCK,DRUM,FLAIL	28	6
E5856	GUARD,CUTTER,FRONT	18	12
E5857	DECAL,TWINE CUTTER	44	12
E5858	PIPE,3/4X.120WX7/16L	24	21
E5860	DECAL,BP7000 PLUS	44	2
E5865	DECAL,ROD ADJ	44	11
E5867	LINKAGE,CONNECTING	24	8
E5868	DECAL,LOCK,CYLINDER	44	14
E6105	DECAL,WARNING,CV ANGLE	44	19

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5.0 Specifications

Minimum Horse Power:	85 HP
Capacity:	2 bales - 6' long x 6' diameter
Flail Drum Length:	71"
Flail Drum Diameter:	24 1/4" Balanced
Flails:	26 - 7/16" x 6 7/16" Tempered Spring Steel
Tires:	2 - 11L X 15 Highway Service
Height:	105 - 1/2" (Fully Assembled)
Width:	106"
Length:	186 - 1/2"
Weight:	4200 lbs
Hitch Weight (Empty):	1380 lbs
Drawbar Weight (with bale in chamber):	2650 lbs
PTO Requirements:	1000 RPM PTO
Dual Hydraulics:	Dual remote, 2000 psi
Cylinders:	2 - 3" x 16", 1 1/2" Rod Diameter

6.0 Options

Big Tire Package:	Tires - 16.5L - 16.1 Hubs and Spindles - 5000 lbs Rim - 8 bolt, 6000 lbs.
Electric Winch Kit:	Raise and lower the discharge door from the cab of your tractor.
Field Lights:	2 lights, Shock absorbing, weather proof body, swivel mount.
Hydraulic Flow Control:	For controlling the speed of the Feed Rollers when the tractor does not have flow control capability.
EZ Feed:	28 Bushel tank with adjustable feed rate control (0-6 bushels per minute) and folding auger.

Dealer Information

Dealer: _____

Address: _____

City: _____

Province / State: _____

Postal Code / Zip Code: _____

Phone: _____



Identification Numbers

Model Number: _____

Serial Number: _____

Dealer Checklist

Bale Pro Dealer Checklist

Check	Check List Item
	Flail rod adjustment handle moves freely and will hit all 5 adjustment holes.
	Bottom deflector door moves freely and will hit all 4 adjustment holes.
	Free and proper operation of winch and deflector door (full movement range).
	Transport pin for deflector door is installed.
	Position feed rollers on center of adjustment rod.
	Ensure all grease points are lubricated.
	Ensure lift assembly is against frame when cylinders are retracted.
	Guards installed on exposed rotating shafts (ie. rotor,feed rollers)
	Tail/warning lights are working.
	Check tire pressure and adjust as required.(as specified on tire)
	Ensure flail drum lock engages the flail drum in both positions and disengages freely.
	Ensure twine cutter can be passed through the full length of tub (both top/bottom of flail drum)
	Ensure twine cutter is secured with nylon tie straps in storage position for shipping.
	Tether pin for twine cutter extension guide is installed.
	Full library of manuals (operators, and parts) shipped w/machine. When applicable
	Mini operators manual tethered into plastic box. When applicable
	Perform a full 1000 rpm operation test of all components:
	- feed rollers (slide easily in slide retainers)
	- flail drum (not binding on twine guards)
	- flails not hitting tub or rods
	Feed Rollers turn in both directions (not binding).
	Ensure free movement of BP forks (not binding).
	Ensure cylinder transport lock fits with forks in transport position.
	Hydraulic motors to be operated and checked for leaks and free movement.
	Cycle all cylinders a minimum of 3 times, check for leaks and clearance problems.