BALE PRO 8000-6
2006 Owner's Manual

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Table of Contents

Warranty

Highline New Agricultural Equipment Limited Warranty

Effective January 1, 2004 One (1) Year / 12 Months

Parts and Labour

Highline Mfg. Inc (hereinafter "Highline") warrants this new Agricultural product of Highline's manufacturer to be free from defects in material and workmanship, under normal use and service for one (1) full year after initial purchase/retail sale. Highline will warrant its product for one (1) year parts and labour, if performed by a qualified Dealer. 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 one 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

Congratulations on your purchase of the *Bale Pro 8000-6*! 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 8000-6*. 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 8000-6* as the livestock feed handling equipment for your 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!

- 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 transport lock 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.

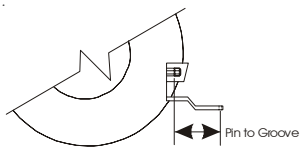
⚠ Before operating the Bale Pro 8000-6, be sure to review *all* of the instructions and familiarize yourself with its features.

1.0 Operating Instructions

1.1 General Operating Instructions

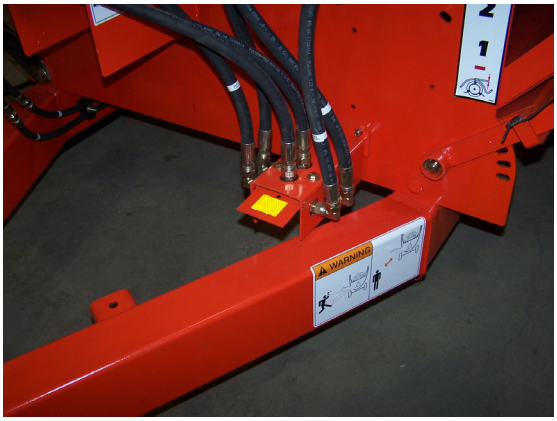
Successful operation of the Bale Pro 8000 is dependent upon the quality of the bale, the height of the feed rollers and flail guard rod and also upon the operator. The following steps ensure proper and efficient operation. Please read them all carefully before operating your new BP 8000.

1. Ensure that the drawbar on the tractor is extended so that the pin is 17" from the groove on the tractor PTO for the standard 1-3/8" diameter, 1000 rpm yoke. For the 1-3/8" diameter, 540 rpm optional yoke, the distance should be 15-1/2". For 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 so that the Bale Pro 8000 frame is level. This will ensure that the bale forks are low enough to load a bale. Depending on tractor drawbar height and the tire option selected with your Bale Pro 8000 it may be necessary to alter the position of the hitch bridles/tongue to ensure adequate clearance for the PTO shaft. If possible, the hitch bridles should extend below the Bale Pro frame to eliminate the possibility of PTO driveline contact.
3. Ensure that the machine stays properly greased at all recommended locations (See Maintenance Instructions).
4. The top discharge deflector door has a transport lock that must be released before the door can be lowered. Remove the hair pin and pull the transport lock link toward the hitch end of the bale processor. Rotate the short link of the transport lock clockwise away from the clevis end of the cylinder and reinstall the hair pin. The top discharge deflector door is operated by a hydraulic cylinder, which is linked to either the feed roller hydraulic circuit or has its own circuit from the tractor. The deflector door stroke has been preset at the factory to bring the door up to the fully raised position. The cylinder can be adjusted as necessary by removing the rod pin and turning the clevis in or out to adjust the stroke.

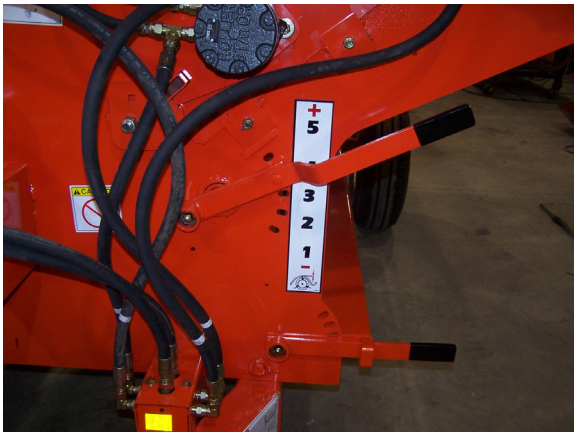
Note: *If your machine has the **Mechanical Valve Option** then the selection of door function is determined by the position of the bale forks. The normal mode is for the feed rollers to be operational, the door operation is enabled only when the bale forks are in the fully down position (a "fork down indicator" has been provided and is placed on the front of the hydraulic selector valve). With the selector valve shifted by the down position of the bale forks, the tractor hydraulic valve will control the door position cylinder.*



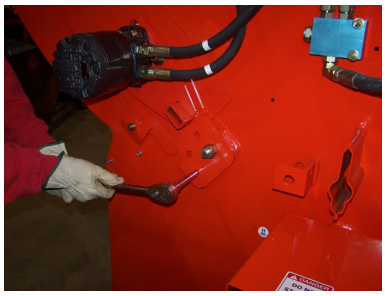
Note: The feed rollers should not operate with the bale forks in the full down position. If the feed rollers move while the door is actuated see Section 1.2 - Selector Valve Assembly Adjustment. The door cylinder and selector valve circuit are not "zero leakage" components and the weight of the door will cause the cylinder to slowly leak down over a long period of time. Use the door transport lock to prevent door leak down.

The door may drop a small amount (1/4") as the bale forks are brought to the fully down position and up again even if the door is not adjusted. This is caused by cross leakage inside the selector valve and should not be a problem except for repeated actuation of the selector valve. This leakage can be compensated for by noting the position of the door before raising the bale forks and adjusting the door height as required.

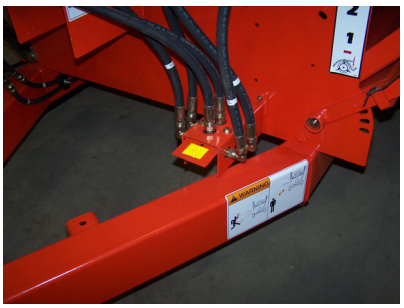
5. To adjust the bottom deflector, simply stand in front of the machine, pull the lower handle toward yourself, and raise or lower the door as required.



6. The adjustment of the flail guard rods is similar to the bottom deflector adjustment. Pull the upper handle (see previous photo) 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 a 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 roller position with the feed roller adjusting plates to accommodate the bale size. Using a 1/2" drive ratchet handle rotate the plates to one of the three avalible positions. 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. The feed roller speed should be set to a maximum of 40 rpm. Faster feed roller speeds will result in a faster discharge of material. Slower speeds will result in a slower discharge of material. The speed can be adjusted by changing the flow control setting on your tractor (if it is equipped with a flow control). If you do not have a flow control on your tractor, a flow control kit can be purchased from your Highline dealer. It is HIGHLY RECOMMENDED for first time users to run the feed rollers slower to become aquainted with the realtionship between the feed roller speed and material discharge rate. Running the feed rollers too fast may cause the feed rollers to dig into the bale to the point where the bale cannot be processed. The direction of the rollers can be changed by choosing the opposite postion on your tractor hydraulic lever.
9. Before loading the bale, engage the PTO at an idle. Ensure that the flail drum is operating properly. Start the feed rollers using the hydraulic controls and check to ensure the feed rollers turn in both directions.
10. To load bales, lower the forks **completely** (fork indicator) 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 you have selected the **Mechanical Valve Option**, a "fork down indicator" has been provided to show when the forks are fully down. The indicator plate is located on the discharge frame member in front of the tub. The normally vertical indicator pops out 45° when the bale forks are fully down and can be seen from the tractor seat.*



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. **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.**

12. When ready to process, engage the tractor PTO at an idle. Increase the tractor RPM until PTO speed is reached. NOTE: before processing, ensure that the bale forks or the carried bale are not interfering with the bale in the tub. To begin processing the current bale, start rotation using the feed rollers. NOTE: The top of the bale should rotate toward the discharge side. Rotational direction will be opposite for right and left hand discharge machines. If the bale stops moving, reverse the direction of the feed rollers.
13. Before stopping the PTO, idle down (tractors with PTO brakes) 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.

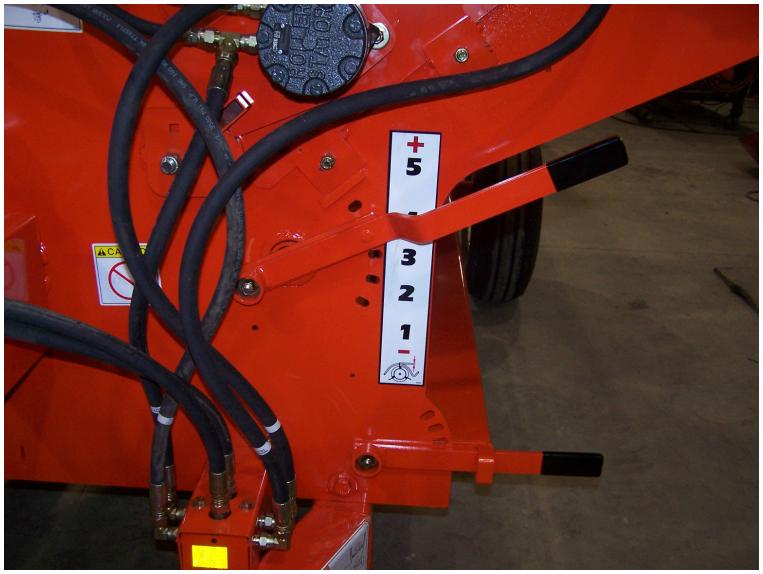
1.2 Twine Removal Procedure

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.

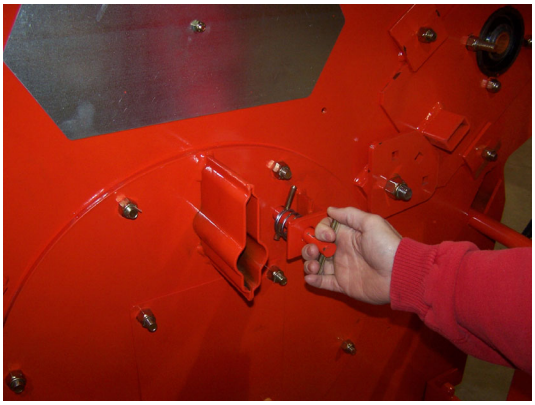
SHUT OFF THE TRACTOR ENGINE AND LET THE FLAIL ROTATION COME TO A COMPLETE STOP BEFORE ATTEMPTING TO REMOVE THE TWINE FROM THE FLAIL DRUM.

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

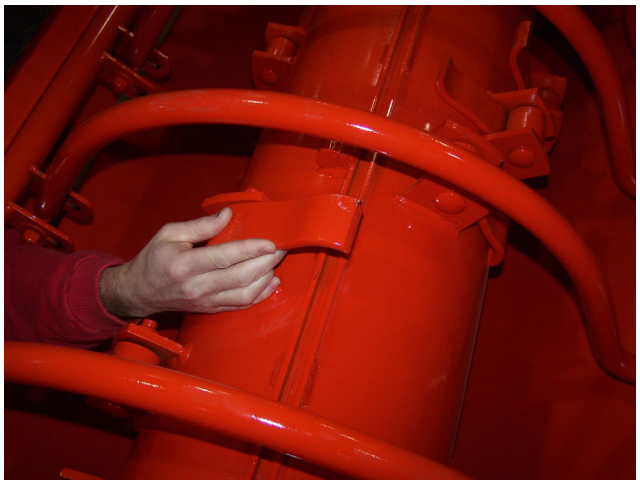
2. Ensure the flail guard rod adjustment lever is NOT in position #5. Failure to do so will result in damage to the twine cutter blade.



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. Remove the twine cutter from the storage position on the non-discharge side of the Bale Pro.

6. Align the twine cutter (as shown in figure A) in the twine cutter guide. (Figure A). Slide the tool into the groove on the flail drum and cut through the twine in a saw-like action (Figure B).

Figure A

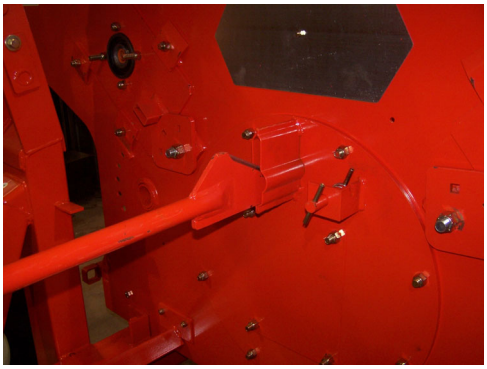
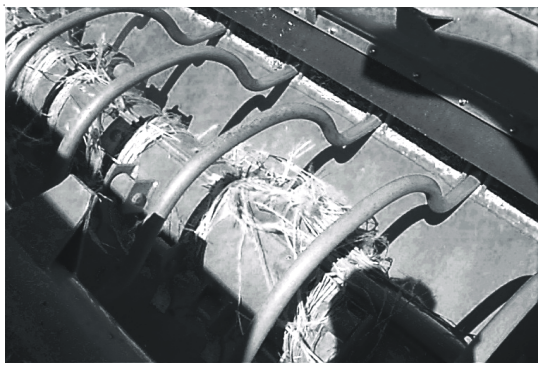
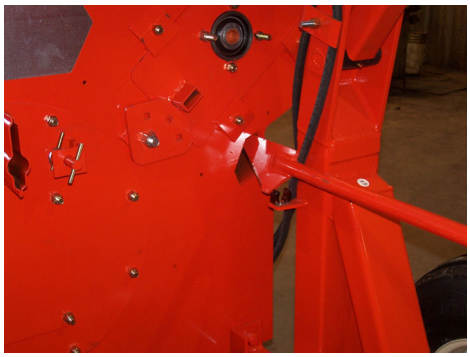
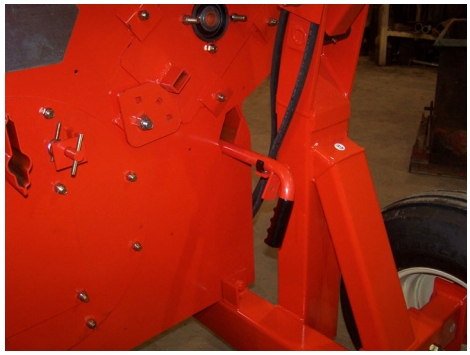


Figure B

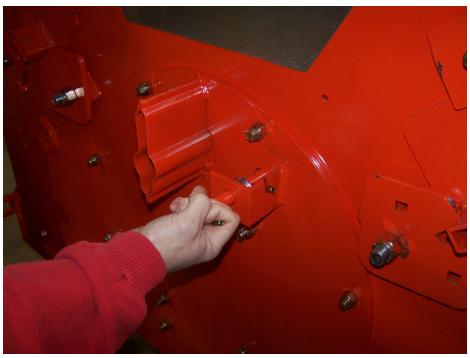


7. After cutting through all of the twine wrapped around the entire length of the drum, remove the twine cutter and place it back into the storage position. Ensure the handle is facing down and is locked into the spring clips - see below





8. Unlock the flail drum. Failure to do this will result in damage to the machine during start up.



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

10. Remove the hydraulic cylinder lock and store on the bale forks.

2.0 Maintenance Instructions

Please follow these maintenance procedures to ensure years of trouble free operation of your Bale Pro 8000-6.

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.

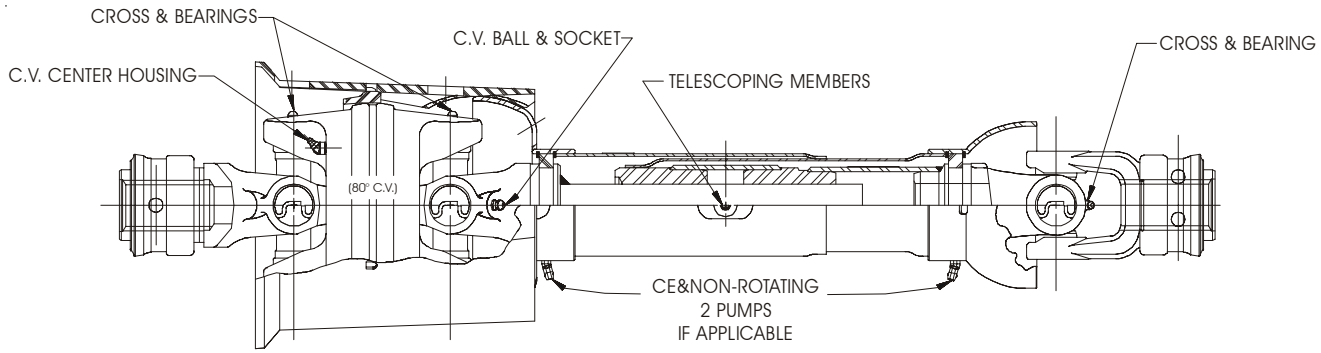
Maintaining proper lubrication of the Bale Pro 8000-6 is crucial for proper operation. Lubricate all fittings with a good quality lithium soap base E.P. grease meeting the N.L.G.I. #2 specifications and containing no more than 1% molyboenum disulfide.
An E.P. grease meeting the N.L.G.I. #2 specifications and containing 3% molyboenum disulfide may be substituted in the telescoping, CV Ball and socket, and CV centre housing member only. For applications operationg below 0°F (-18°C) a good quality polyurea grease, meeting the N.L.G.I. #2 specifications and containing no more than 1% molyboenum disulfide, may be subsituted for lubricating all fittings. 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. The first lube interval should be 16-24 hours of operation after initial start-up then follow the schedule below.

CAUTION: REPLACEMENT PARTS ARE NOT LUBRICATED

USE LEVER TYPE GREASE GUN

INTERVAL	LOCATION	AMOUNT
8 HRS**	CROSS AND BEARINGS	2-3 PUMPS
8 HRS	TELESCOPING MEMBERS	8-10 PUMPS
8 HRS**	CV BALL & SOCKET	4-6 PUMPS
24 HRS**	CV CENTER HOUSING	12-15 PUMPS

**Constant angle applications must have a lube interval of 4 hours.



Replacement parts must be lubricated at time of assembly. Use amount listed above per location then follow lube recommendations outlined above for lubing intervals.

1. Flail Drum Bearings (Front and Rear): Every 50 hrs.
2. Wheel Hub Bearings (Left and Right): Every 100 hrs.
3. Dump pivot locations (Left and Right): Every 10 hrs.
4. Lift Cylinders (Left and Right): Every 10 hrs.

For more details on location see Section 3.2 - Grease Zerk Locations.

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

3.0 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.
- Keep all shields and doors closed during operation.

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 Bale Processor

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 bale processor.

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 bale processor.

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

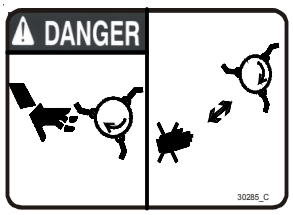
Step 1: Reduce the engine speed to idle.
Step 2: Disengage tractor power takeoff.
Step 3: Set tractor park brake.
Step 4: Lower bale loader forks to the ground
Step 5: Shut off tractor engine and remove key
Step 6: Cycle tractor controls to relieve any residual circuit pressure
Step 7: Wait for rotor to stop turning.

Stay Clear Of Rotating Driveline

Entanglement in rotating driveline can cause death or serious injury.

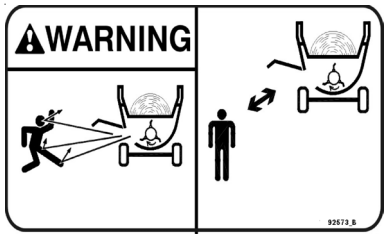
- Keep driveline shields in place at all times. Ensure shields turns and telecope freely.
- Wear close-fitting clothing and confine long hair.
- Stop engine and ensure the PTO driveline is stopped before working on driveline

DANGER: Contact with moving parts can result in death or serious injury. Always disengage power takeoff, set park brake, lower loader forks to the ground, shut off tractor engine, remove key, and wait for PTO to stop turning before un-plugging by hand.



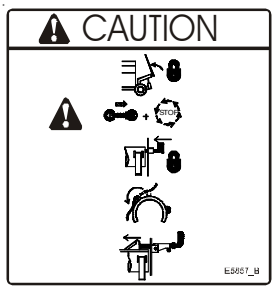
Avoid Discharge Area

Stay away from discharge side of Bale Processor when PTO is engaged. Injury of blindness is possible from material leaving discharge area.

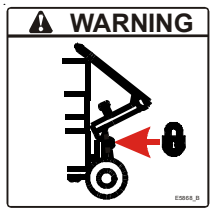


Twine Cutter

1. Lock forks in raised position.
   1.5 Ensure the flail guard rod adjustment lever is NOT in position #5
2. Engage flail drum lock and rotate drum until locked into position.
3. **Rotate any obstructing flails away from twine cutter guides to prevent damage to blade.**
4. Use twin cutter in saw-like action to cut the twine.
5. Store twine cutter in holder.
6. Unlock flail drum.
7. Remove twine from discharge side of Bale Pro.
8. Remove cylinder lock and store in position.



WARNING: Install and secure cylinder lock before using twine cutter.



CAUTION: Exceeding an 80° angle at tractor joint will void CV warranty.

Depth of Cut Lever

Controls depth of material cut by flails

Up ..... Increase depth of cut

Down ..... decrease depth of cut

Recommended intial setting ..... either of two bottom holes

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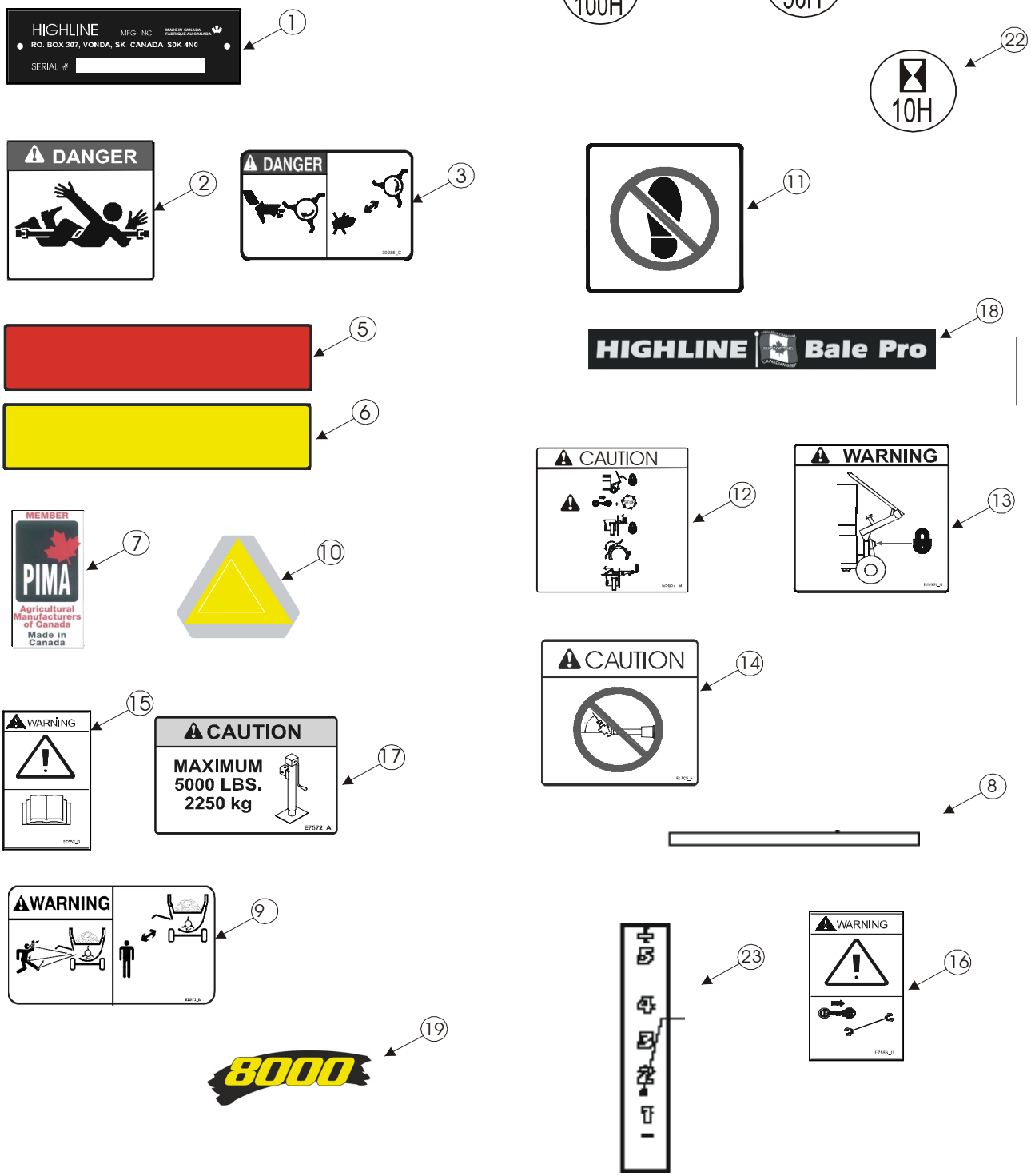
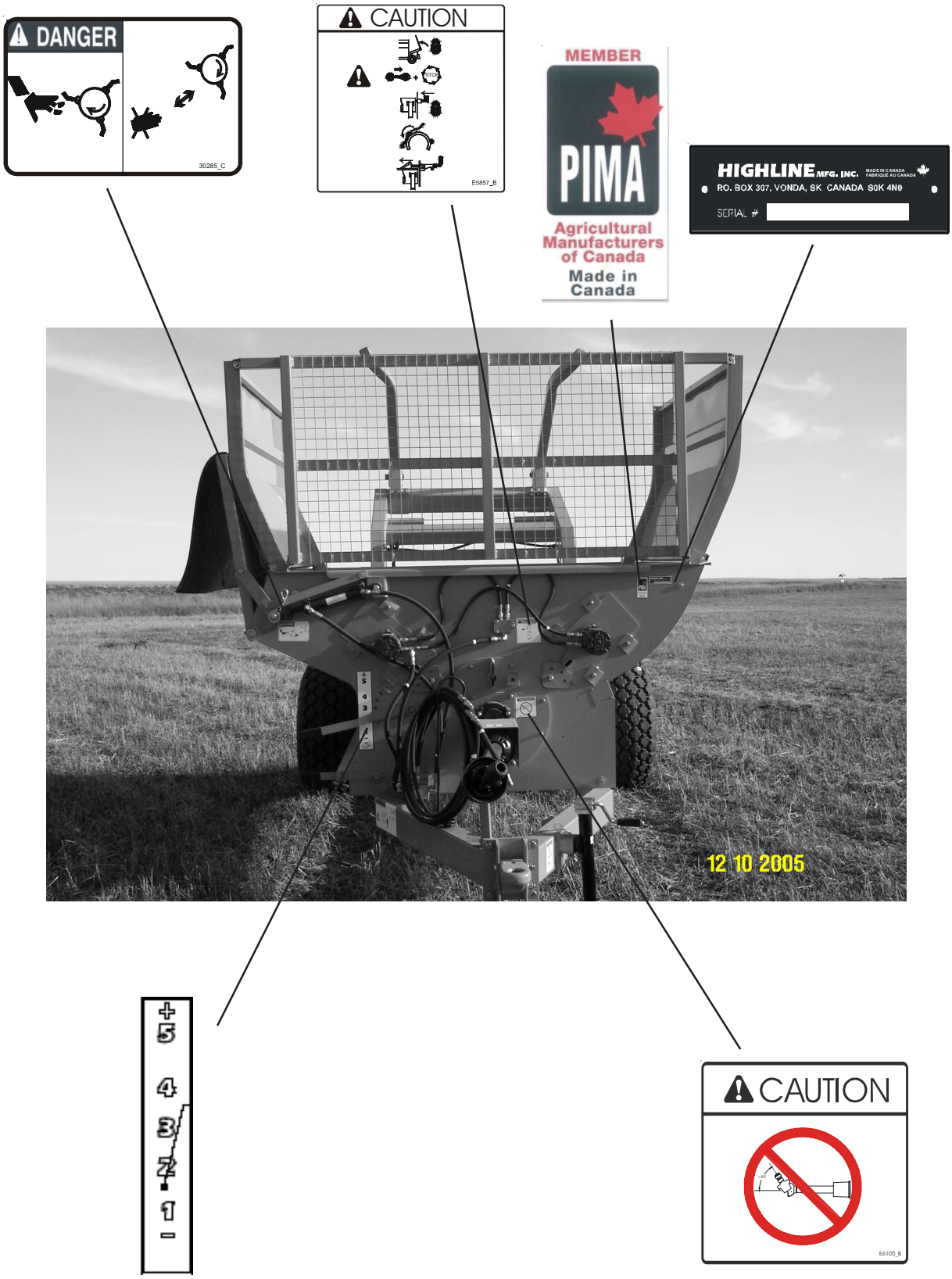
3.1 Decal Location (Part No. 49346)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30208	PLT,SERIAL#	1
2	30271	DECAL,DANGER,ROTATING DRIVE	2
3	30285	DECAL,DANGER,TO PREVENT	2
4	30288	RIVET,ST,1/8X.390,.250HEAD	2
5	30577	DECAL,RED REFL,2X9	3
6	30578	DECAL,AMBER REFL,2X9	2
7	32981	DECAL,PIMA	1
8	33927(22.7)	DECAL,PSTRP,22.7,BLK,1	1
9	92573	DECAL,WARNING,DISCHARGE	2
10	92028	SIGN,SLOWMOVING,S276.5	1
11	E3834	DECAL,DANGER,DO NOT STAND	1
12	E5857	DECAL,TWINE CUTTER	2
13	E5868	DECAL,LOCK,CYLINDER	1
14	E6105	DECAL,WARNING,CV ANGLE	1
15	E7552	DECAL,WARNING,OWNERS_MANUAL	2
16	E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	1
17	E7572	DECAL,CAUTION,JACK,5000LBS	1
18	E8493	DECAL,HIGHLINE,BALE_PRO,68X8	2
19	E8494	DECAL,8000,BP,31x11-3/16	2
20	E8497	DECAL,GREASEZERK,100H	2
21	E8590	DECAL,GREASEZERK,50H	2
22	E8591	DECAL,GREASEZERK,10H	4
23	E8592	DECAL,ADJ,FGR	1
24	31174	NUT,NYLOCK,1/4,UNC,ZP	2
25	37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	2

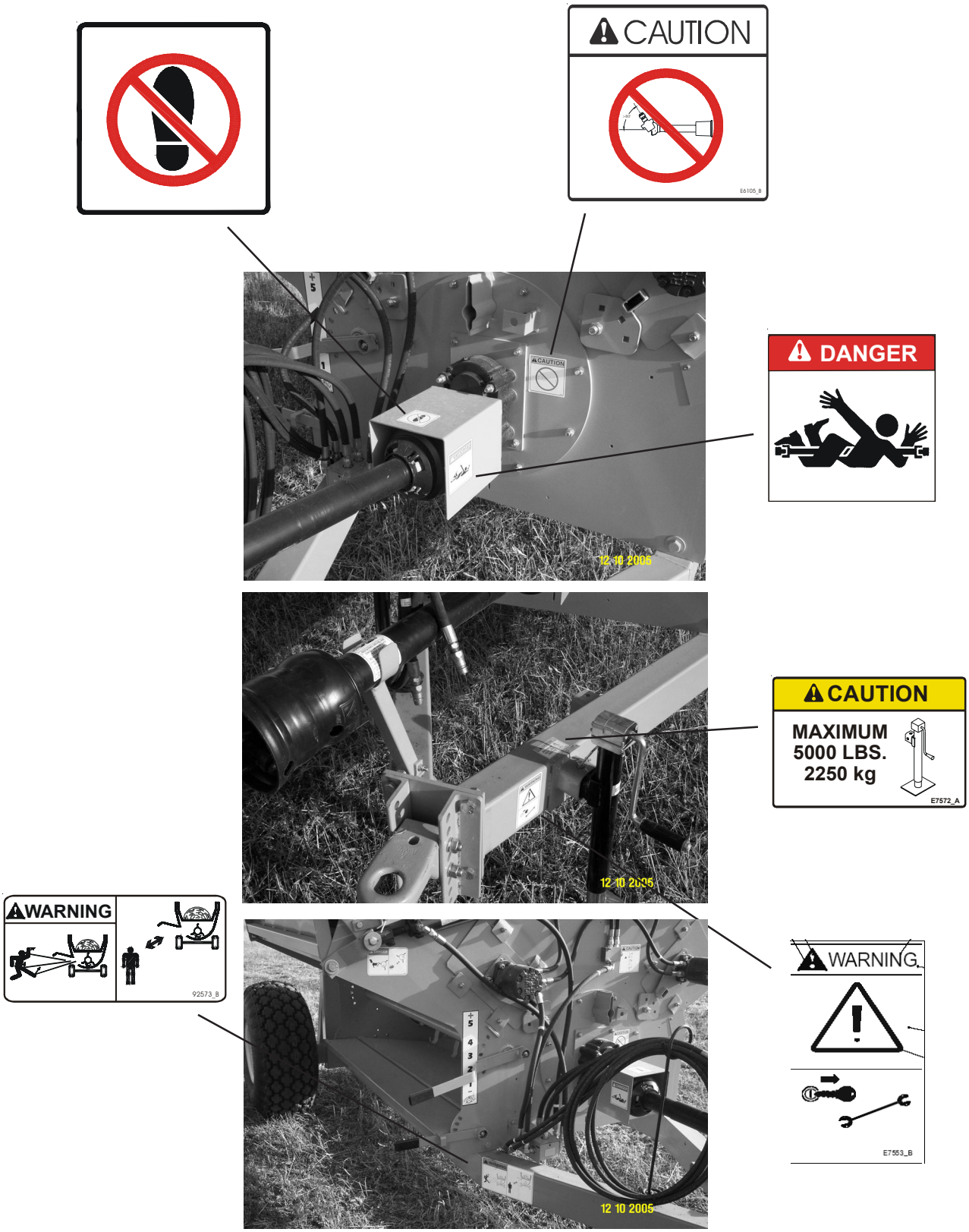
Decals are featured on a right hand Bale Pro 8000


HIGHLINE MFG. INC.
P.O. BOX 307, VONDA, SK CANADA S0K 4N0
SERIAL #
1
100H
20
50H
21
10H
22
DANGER
2
DANGER
3
11
HIGHLINE Bale Pro
18
5
6
MEMBER
PIMA
Agricultural Manufacturers of Canada
Made in Canada
7
10
CAUTION
12
WARNING
13
CAUTION
14
WARNING
15
CAUTION
MAXIMUM
5000 LBS.
2250 kg
17
8
WARNING
9
8000
19
23
WARNING
16

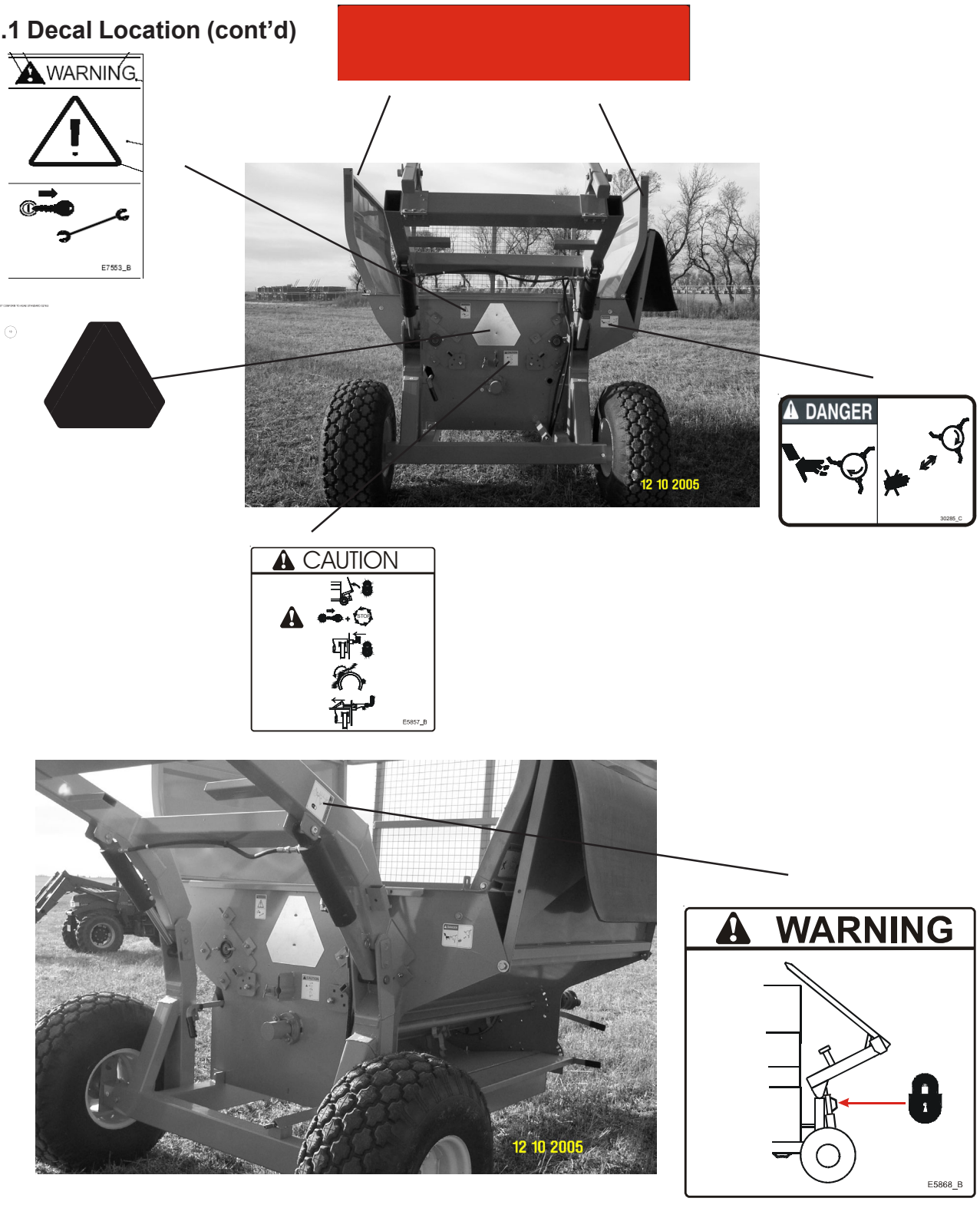
3.1 Decal Location (cont'd)



3.1 Decal Location (cont'd)



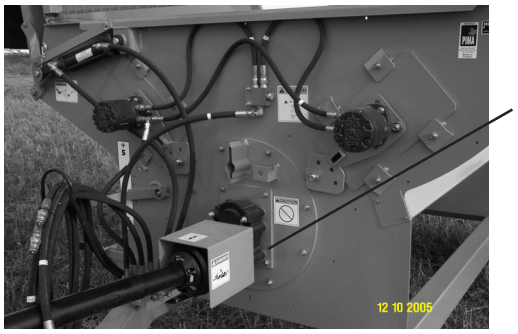
3.1 Decal Location (cont'd)



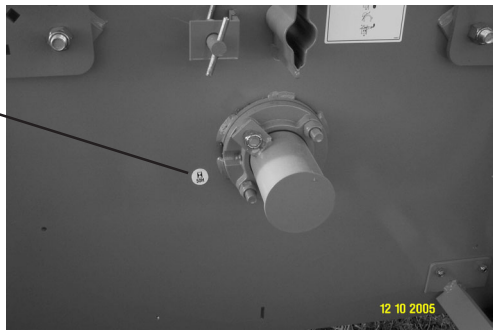
3.1 Decal Location (cont'd)

3.2 Grease Zerk Locations

1. Flail Drum Bearings



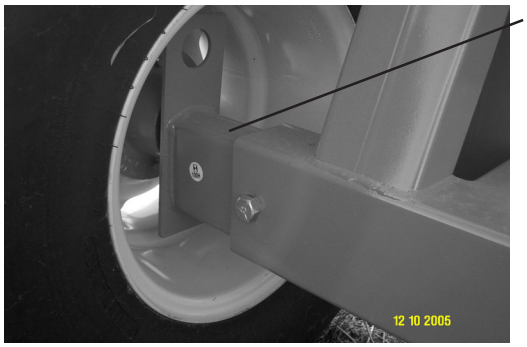
50 hours



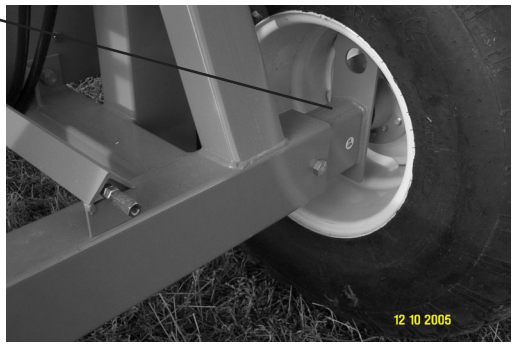
2. Bale Dump Lift Cylinders

10 hours

3. Wheel Hub Bearings



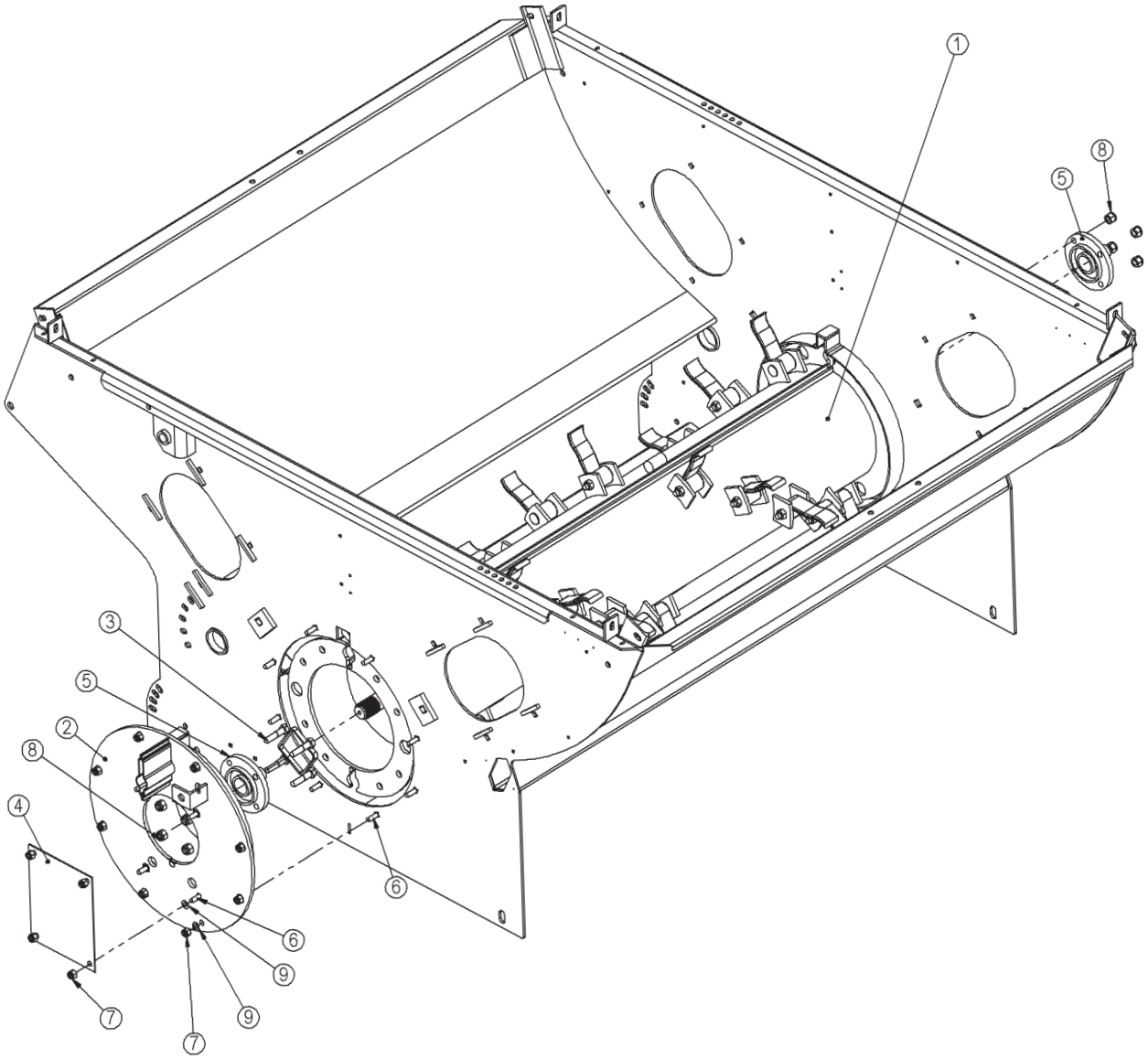
100 hours



4.0 Parts Information

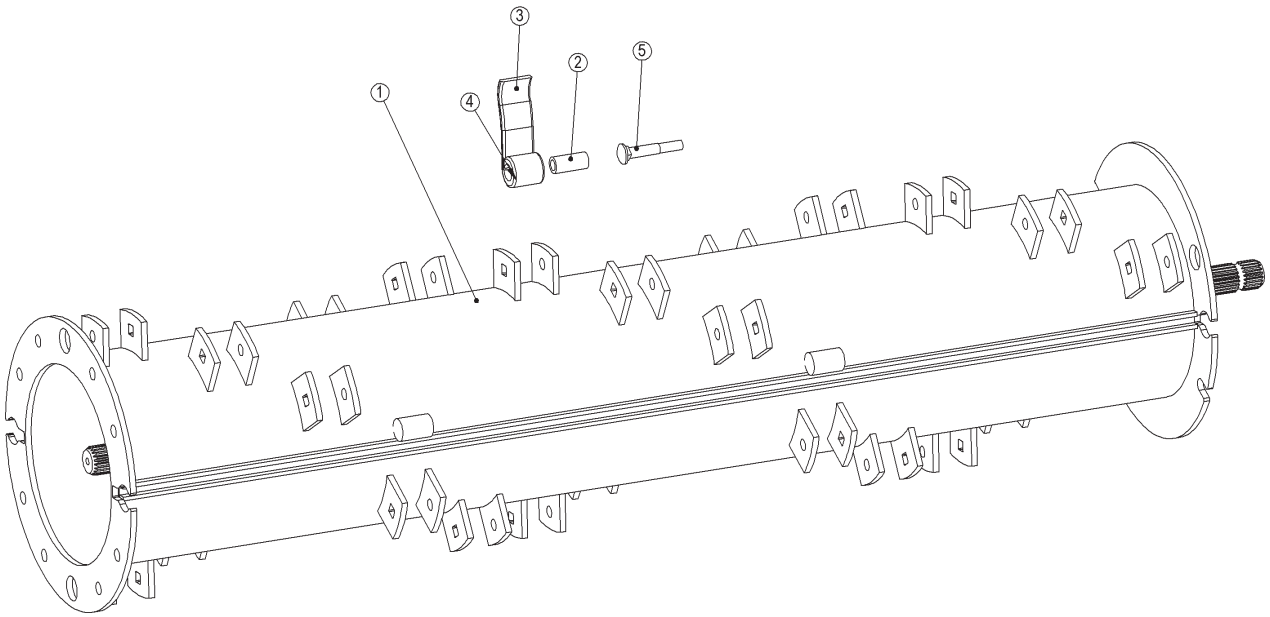
4.1 Flail Drum Assembly (Part No. 49332)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49559	ASSY,FLAIL DRUM,COMPLETE	1
2	49283	WLDT,PLATE, BEARING, FRONT	1
3	49675	WLDT,BOLT,BEARING	1
4	E8584	PLT,COVER,SHAFT	1
5	33655	BEARING,CARTRIDGE,FLANGE,1-3/4"	2
6	31008	BOLT,CARR,1/2X1-1/2,UNC,GR5,ZP	12
7	31173	NUT,NYLOCK,1/2,UNC,ZP	12
8	31178	NUT,NYLOCK,5/8,UNC,ZP	8
9	31894	RETAINER,BOLT,1/2	12



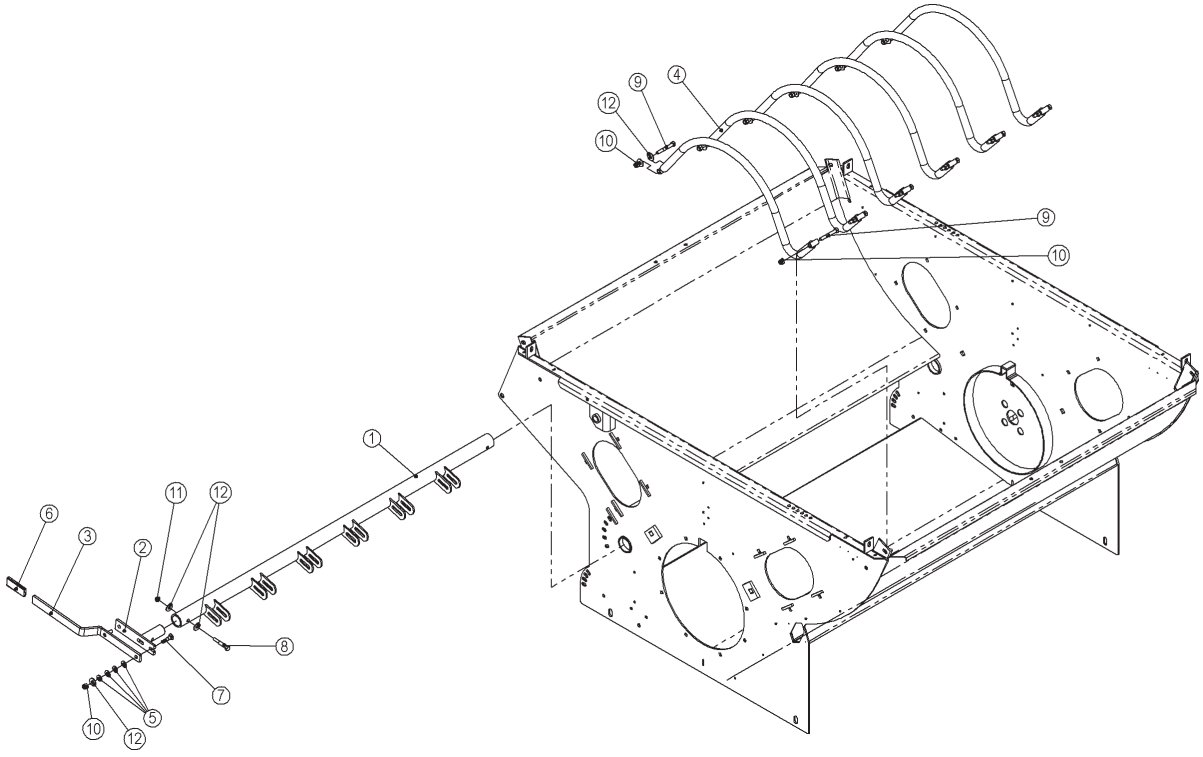
4.2 Flail Drum Assembly (Part No. 49559)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49553	WLDT,DRUM,FLAIL,BP8	1
2	E2083	PIPE,DOM,1x.180x2-1/8L,HARD	26
3	E3714	FLAIL,2X5-1/2	26
4	31170	NUT,LOCK,STOVER,5/8,UNF,ZP	26
5	33696	BOLT,CARR,5/8X3-3/4,F,GR8,BLK	26



4.3 Flail Guard Rod Assembly (Part No. 49333)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49280	WLDT,BAR,ADJ,GUARD,FLAIL	1
2	49894	WLDT,PIN, ADJUSTMENT,FGR	1
3	49562	WLDT,HANDLE,ADJUSTMENT	1
4	49930	WLDT,GUARD ROD,FORMED	6
5	31668	WASHER,SPRING,3/4,342	4
6	92127	COVER,VINYL,3/8X1-1/2	1
7	31009	BOLT,CARR,1/2X2,UNC,GR5,ZP	1
8	31021	BOLT,HEX,1/2X3,UNC,GR5,ZP	1
9	31023	BOLT,HEX,1/2X3-1/2,UNC,GR5,ZP	12
10	31173	NUT,NYLOCK,1/2,UNC,ZP	13
11	30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	1
12	31236	WASHER,FLAT,1/2,ZP	15



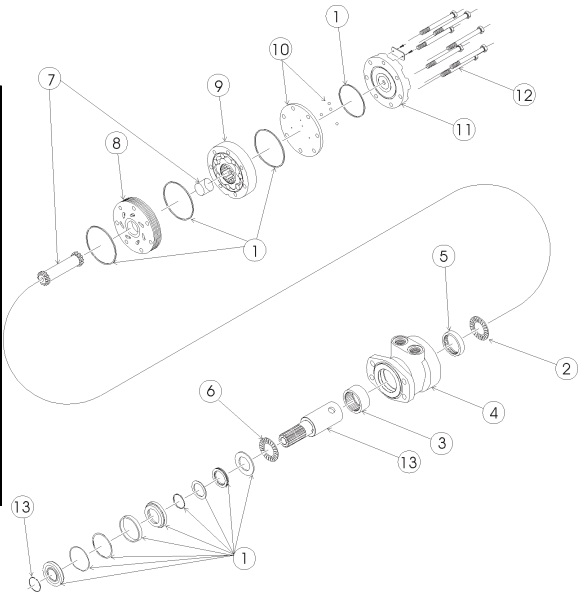
4.4 Feed Roller Assembly (Part No. 49334)

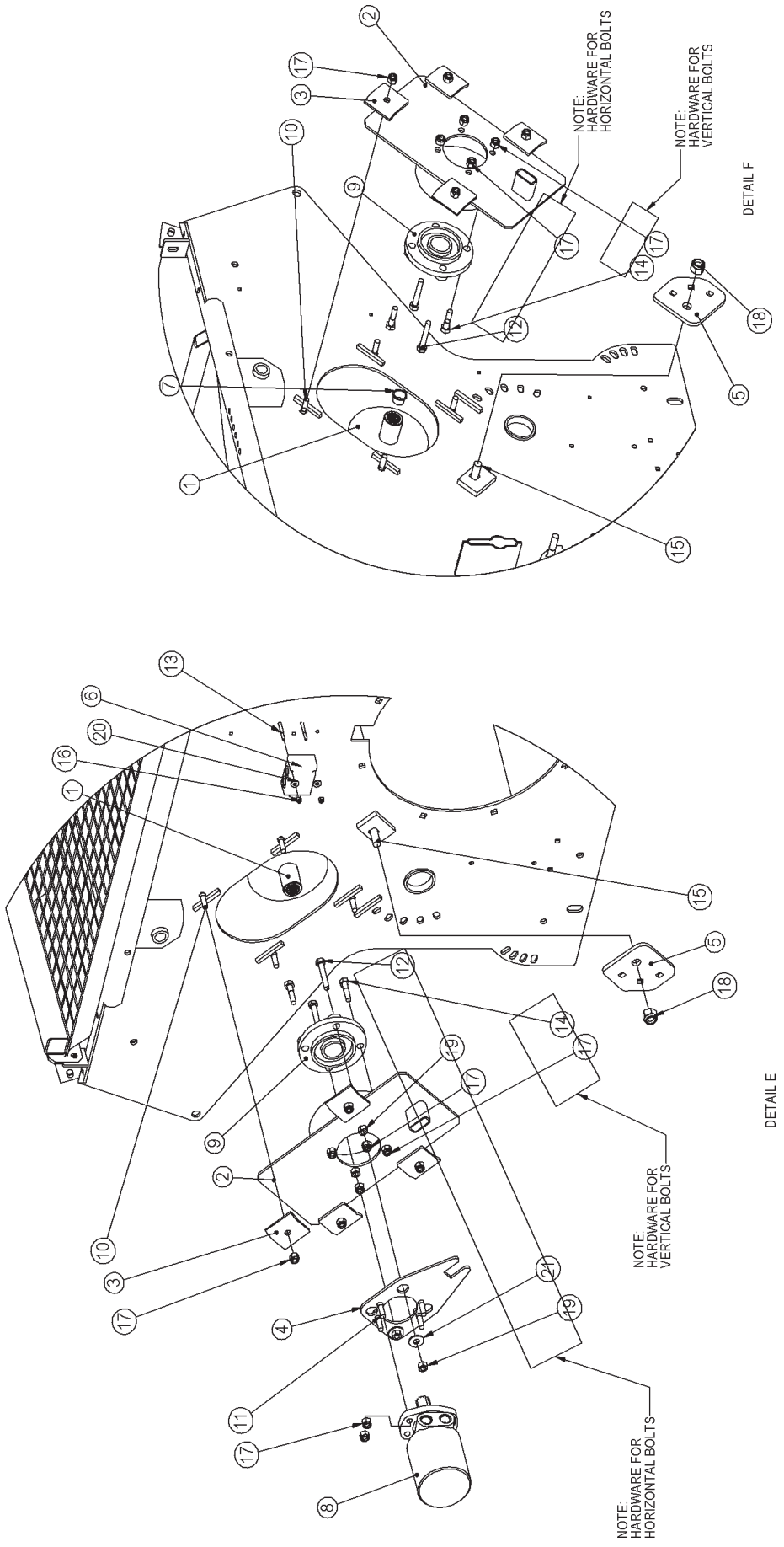
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49506	ASSY,FEEDROLLER,6'	2
2	49574	WLDT,MOUNT,TWINE/BEARING	4
3	E6665	CLIP,PLATE,ADJUSTMENT	16
4	E6699	PLT,MOTOR,MOUNT	2
5	E7327	LUG,ADJUST,FEEDROLL	4
6	33149	HYD,VALVE,FLOW_DIVIDER	1
7	33169	PLUG,PLASTIC,TAPERED,1-1/16"	2
8	33343	HYD,MOTOR,32,2000	2
9	33655	BEARING,CARTRIDGE,FLANGE,1-3/4"	4
10	33678	BOLT,CARR,1/2X1-3/4,UNC,GR5,ZP	16
11	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	8
12	33921	BOLT,HEX,1/2X3,UNC,GR5,ZP,FT	8
13	31032	BOLT,HEX,1/4X2-1/4,UNC,GR5,ZP	2
14	31070	BOLT,HEX,1/2X2,UNC,GR5,ZP	8
15	33449	BOLT,CARR,3/4x2-1/4,UNC,GR5,ZP	4
16	31174	NUT,NYLOCK,1/4,UNC,ZP	2
17	31173	NUT,NYLOCK,1/2,UNC,ZP	40
18	31175	NUT,NYLOCK,3/4,UNC,ZP	4
19	31163	NUT,HEX,1/2,UNC,GR5,ZP	8
20	31237	WASHER,FLAT,1/4,ZP	2
21	31236	WASHER,FLAT,1/2,ZP	4

see next page for drawing

4.4.1 Hydraulic Motor Assembly (Part No. 33343)

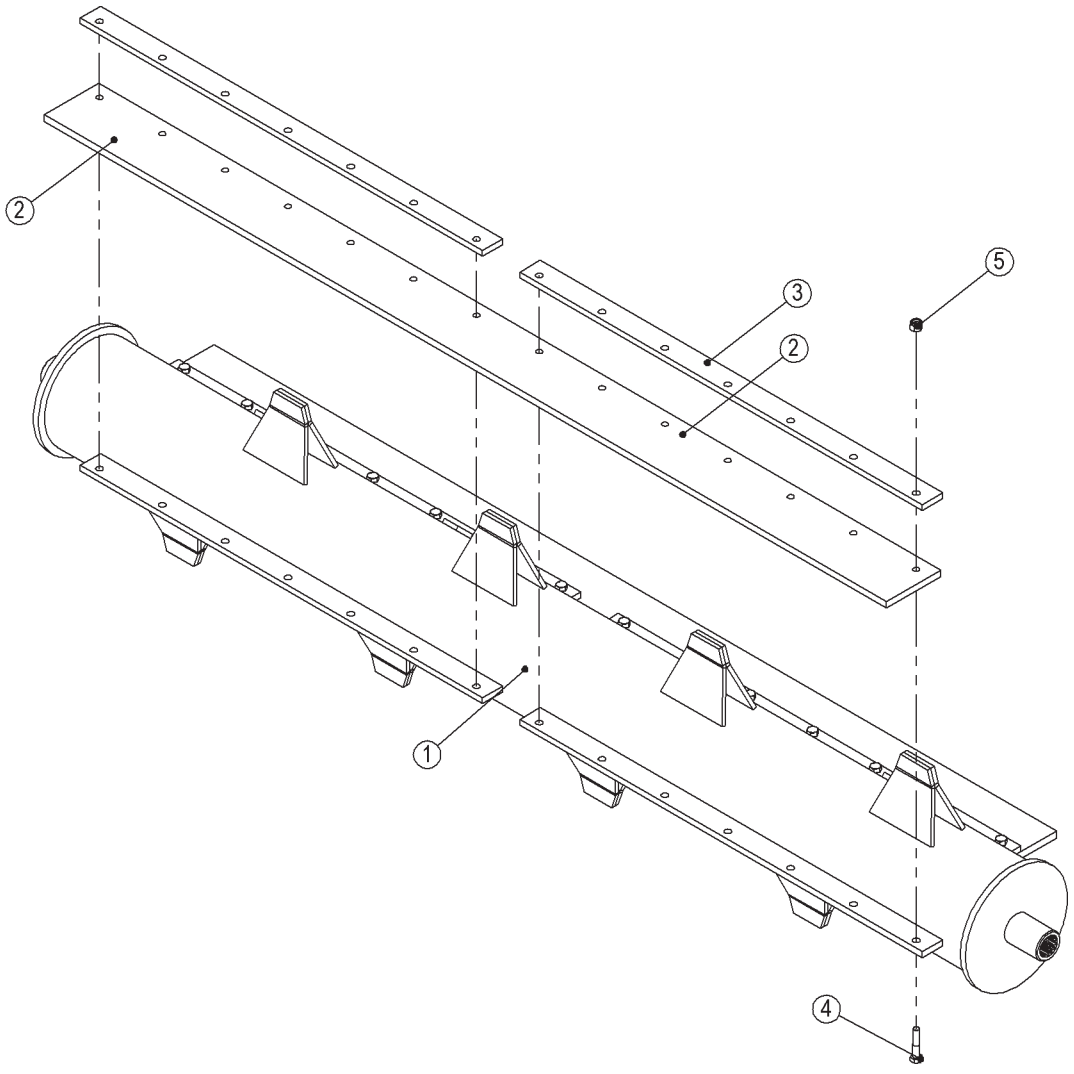
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32647	SEAL KIT,ROLLER STATOR	1
2	32651	BEARING,THRUST,REAR	1
3	32650	BEARING,HOUSING,FRONT	1
4	33653	HOUSING KIT	1
5	32649	BEARING,HOUSING,REAR,1/2	1
6	32639	BEARING,THRUST,FRONT	1
7	32722	DRIVE LINK KIT	1
8	32725	MANIFOLD (CW)	1
9	32643	ROTOR KIT	1
10	32726	BALANCE PLATE & BALLS	1
11	32727	END COVER	1
12	32655	BOLT KIT	1
13	32653	SHAFT KIT	1




NOTE:
HARDWARE FOR
HORIZONTAL BOLTS
NOTE:
HARDWARE FOR
VERTICAL BOLTS
DETAIL F
NOTE:
HARDWARE FOR
VERTICAL BOLTS
DETAIL E
NOTE:
HARDWARE FOR
HORIZONTAL BOLTS

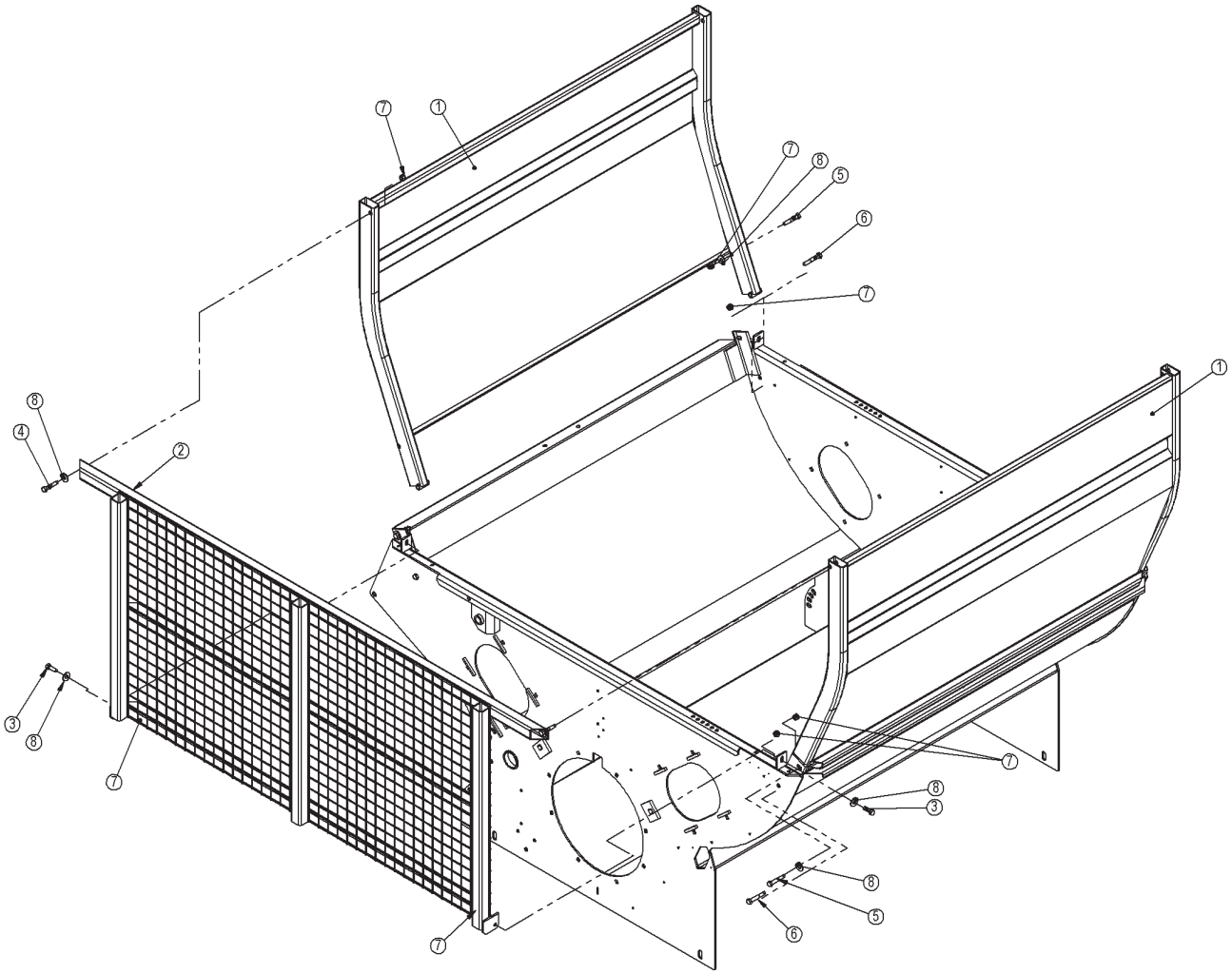
4.5 Feed Roller Assembly (Part No. 49506)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49507	WLDT,FEEDROLLER,6'	1
2	E3581	BELTING,ROLLER,FEED,14 HOLE	2
3	E6526	PLT,SCRAPER,RUBBER	4
4	31066	BOLT,HEX,3/8X1-3/4,UNC,GR5,ZP	28
5	31176	NUT,NYLOCK,3/8,UNC,ZP	28



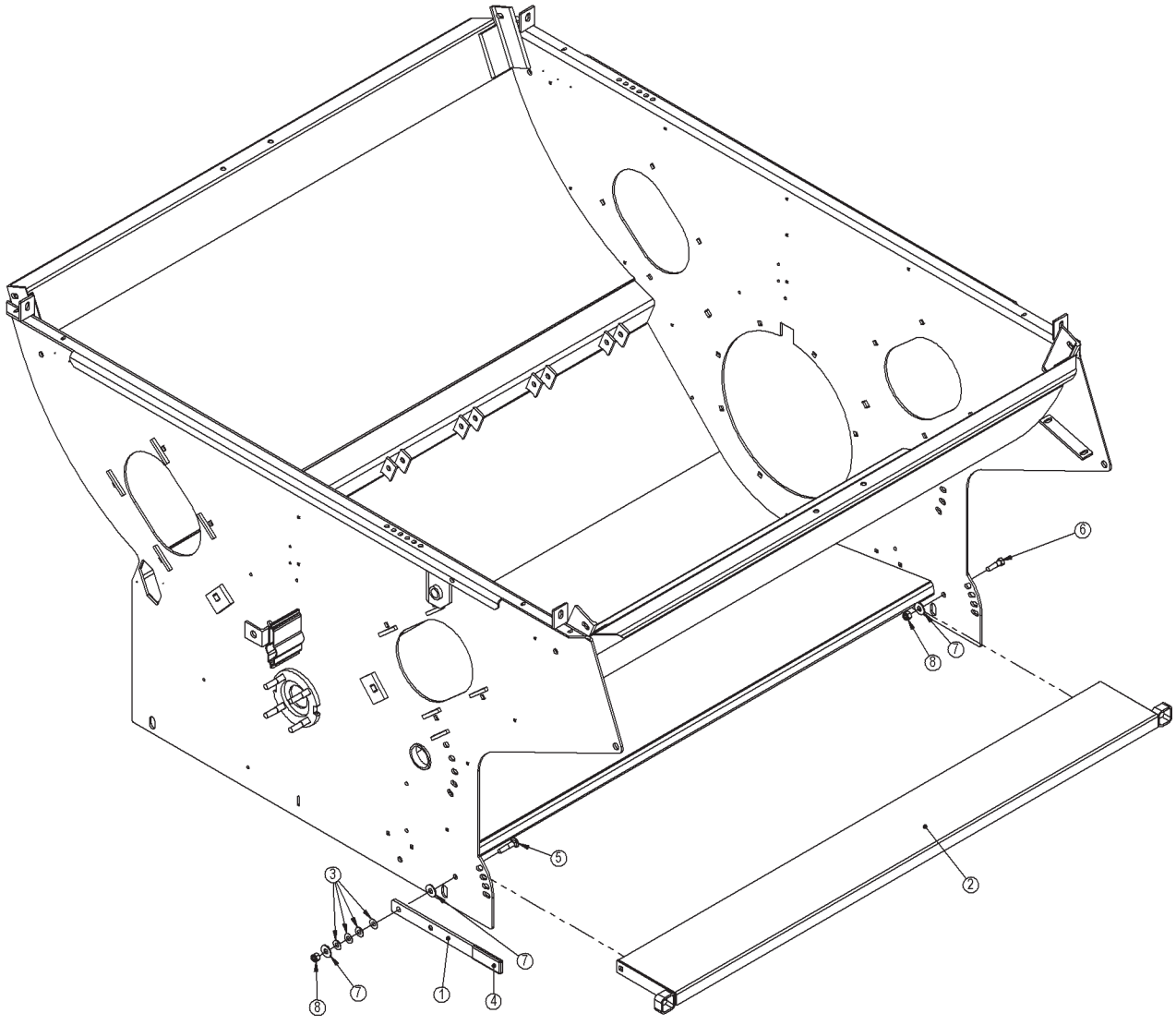
4.6 Bale Deflector Assembly (Part No. 49335)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49363	WLDT,DEFLECTOR,BALE	2
2	49515	WLDT,SCREEN	1
3	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	2
4	31018	BOLT,HEX,1/2X2-1/2,UNC,GR5,ZP	2
5	31020	BOLT,HEX,1/2X2-3/4,UNC,GR5,ZP	4
6	31021	BOLT,HEX,1/2X3,UNC,GR5,ZP	4
7	31173	NUT,NYLOCK,1/2,UNC,ZP	12
8	31236	WASHER,FLAT,1/2,ZP	11



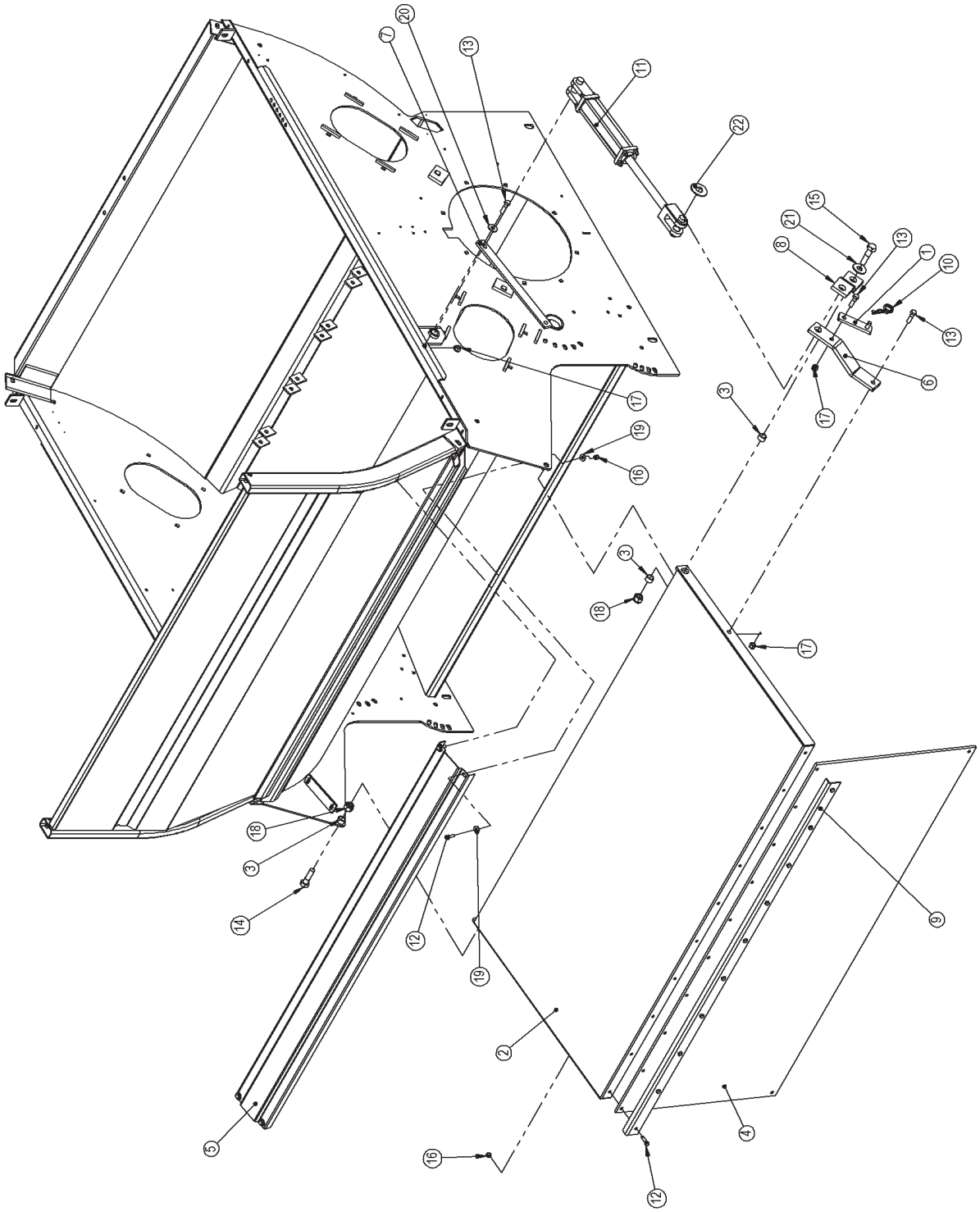
4.7 Bottom Discharge Door Assembly (Part No. 49336)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	42159	WLDT,HANDLE,BOTTOMDD	1
2	49892	WLDT,DOOR, DISCHARGE, BOTTOM	1
3	33562	WASHER,SPRING,1/2,517	4
4	92127	COVER,VINYL,3/8X1-1/2	1
5	31431	BOLT,CARR,1/2X2-1/4,UNC,GR5,ZP	1
6	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	1
7	31236	WASHER,FLAT,1/2,ZP	3
8	31173	NUT,NYLOCK,1/2,UNC,ZP	2



4.8 Top Discharge Door Assembly (Part No. 49337)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49677	WLDT,LOCK,DOOR,PINNED	1
2	49893	WLDT,DOOR,DISCHARGE	1
3	E8610	PIPE,SCH40,3/4x5/8L	3
4	E5018	BELTING,DISCHARGE	1
5	E6653	PANEL,DISCHARGE,FALSE	1
6	E7426	LUG,OFFSET,DEFLECTOR	1
7	E8383	LOCK,DOOR,LONG	1
8	E8611	ARM,OFFSET,DOOR	1
9	E8573	ANGLE,DOOR,DISCHARGE	1
10	33873	PIN,HITCH,.2X3.625,DBL_LOOP,ZP	1
11	90104	HYD,CYL,2X8,1.125,8FB,90D	1
12	31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	14
13	31017	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	3
14	31040	BOLT,HEX,3/4X2-1/2,UNC,GR5,ZP	1
15	31041	BOLT,HEX,3/4X3,UNC,GR5,ZP	1
16	31176	NUT,NYLOCK,3/8,UNC,ZP	14
17	31173	NUT,NYLOCK,1/2,UNC,ZP	3
18	31175	NUT,NYLOCK,3/4,UNC,ZP	2
19	31351	WASHER,FLAT,3/8,ZP	8
20	31236	WASHER,FLAT,1/2,ZP	1
21	31238	WASHER,FLAT,3/4,ZP	1
22	31235	WASHER,FLAT,1,ZP	1


7
20
13
11
22
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1
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3
19
16
3
18
17
18
3
14
12
19
9
2
5
16
4
12

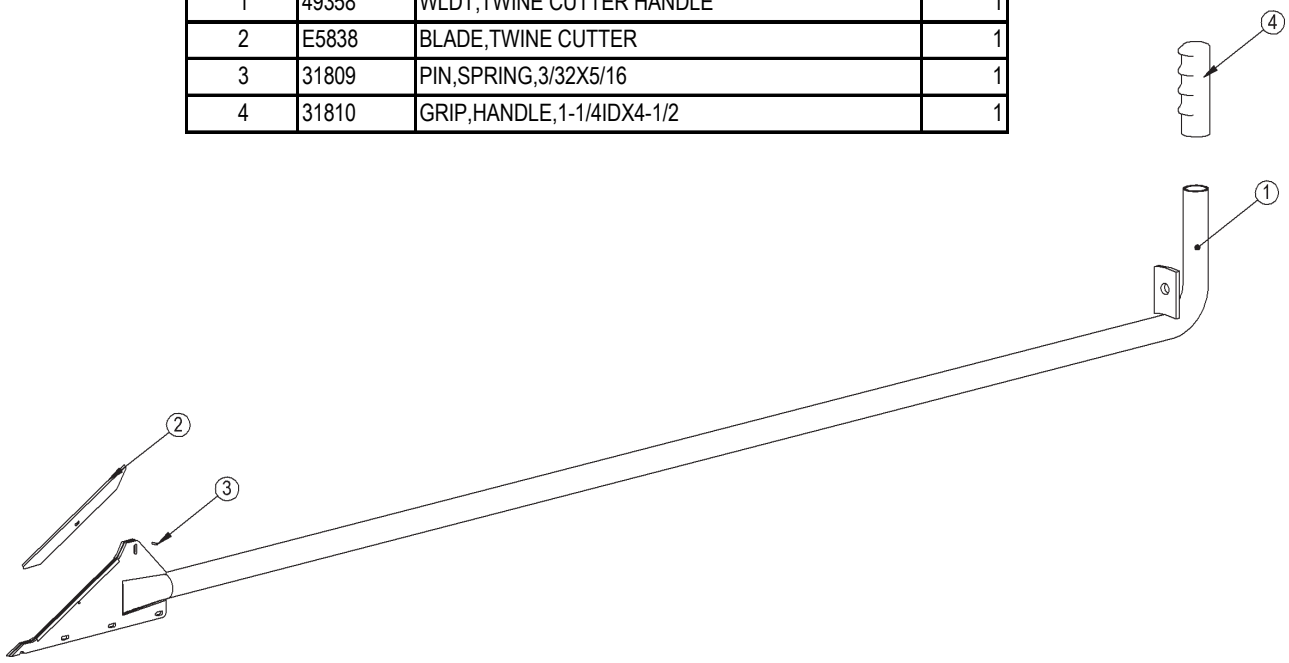
4.9 Twine Cutter Assembly (Part No. 49338)

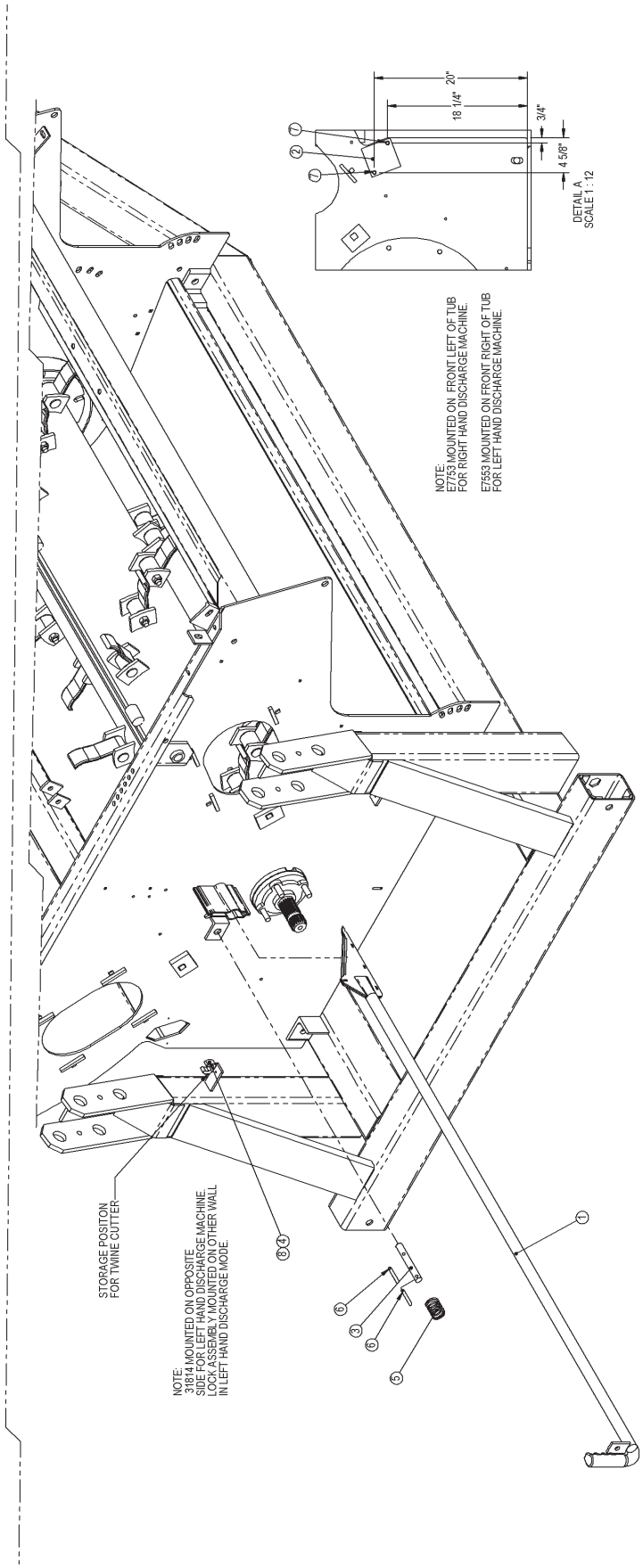
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49357	ASSY,TWINE CUTTER HANDLE	1
2	E7753	PLT,S,COVER	1
3	E7833	LOCK,SHAFT	1
4	31814	CLIP,GRIPPER,1 - 1-1/2	1
5	31959	SPRING,1.5X2.38X0.12	1
6	32794	PIN,SPRING,5/16x3	2
7	30294	SCREW,TEK,1/4X1	2
8	31739	RIVET,ST,3/16x.565,.375 HEAD	1

see next page
for drawing

4.9.1 Twine Cutter Handle Assembly (Part No. 49357)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49358	WLDT,TWINE CUTTER HANDLE	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



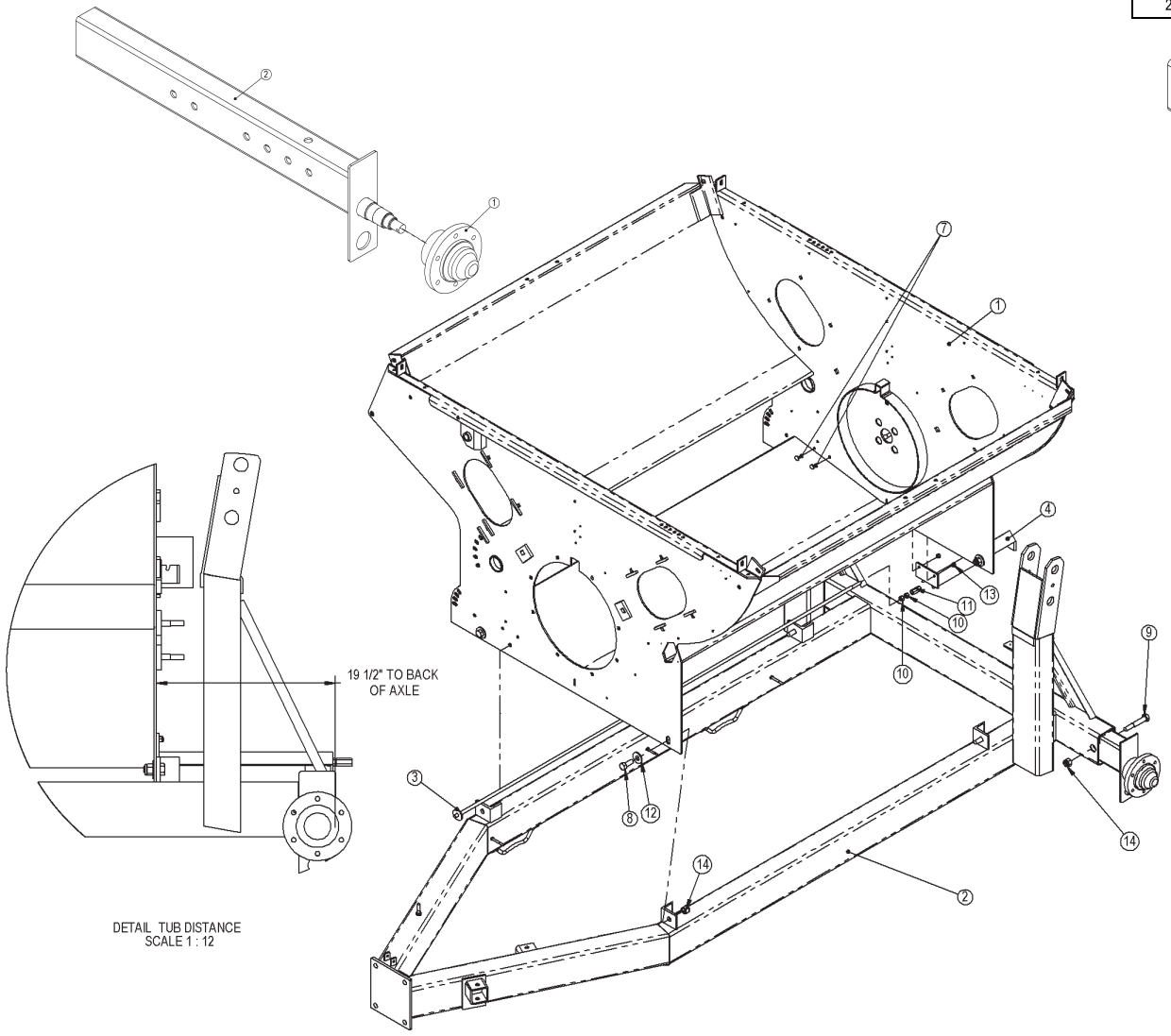

20"
18 1/4"
3/4"
4 5/8"
DETAIL A
SCALE 1 : 12
NOTE:
E7751 MOUNTED ON FRONT LEFT OF TUB
FOR RIGHT HAND DISCHARGE MACHINE.
E7553 MOUNTED ON FRONT RIGHT OF TUB
FOR LEFT HAND DISCHARGE MACHINE.
STORAGE POSITON
FOR TWINE CUTTER
NOTE:
31814 MOUNTED ON OPPOSITE
SIDE FOR LEFT HAND DISCHARGE MACHINE.
LOCK ASSEMBLY MOUNTED ON OTHER WALL
IN LEFT HAND DISCHARGE MODE.

4.10 Tub to Frame and Axle Assembly (Part No. 49340)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49330	WLDT,TUB,BP	1
2	49331	WLDT,FRAME, BP	1
3	49514	WLDT,ROD,PUSH	1
4	49577	WLDT,GUARD,ROD	1
5	49859	ASSY,AXLE, ADJUST,S614	1
6	49870	ASSY,AXLE, ADJ,S614,XL	1
7	31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	2
8	31338	BOLT,HEX,3/4X1-3/4,UNC,GR5,ZP	4
9	31488	BOLT,HEX,3/4X4-1/2,UNC,GR5,ZP	2
10	31163	NUT,HEX,1/2,UNC,GR5,ZP	2
11	31987	NUT,COUPLING,1/2,UNC,ZP	1
12	31238	WASHER,FLAT,3/4,ZP	4
13	31176	NUT,NYLOCK,3/8,UNC,ZP	2
14	31175	NUT,NYLOCK,3/4,UNC,ZP	6

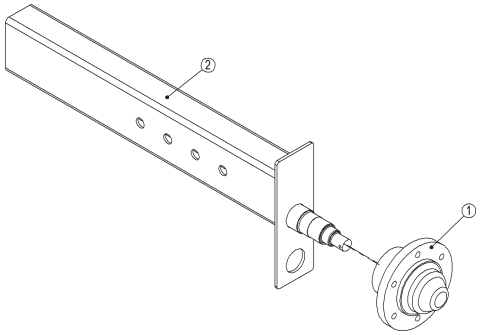
4.10.1 Axel Assembly (Part No. 49870)

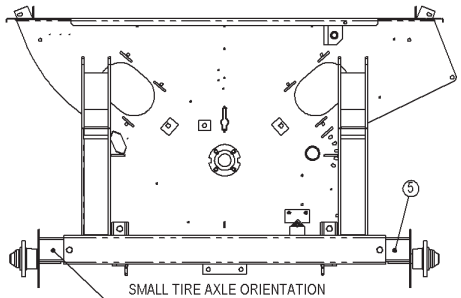
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45224	SUSP,HUB,H611,3600lbs	1
2	49380	AXLE,ADJ,W/O_HUB	1

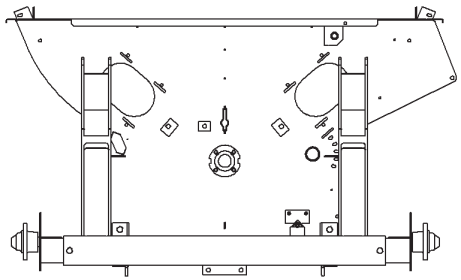


4.10.2 Axel Assembly (Part No. 49859)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45228	SUSP,HUB,H614,5000LBS	1
2	49858	WLDT,AXLE,ADJ,S614	1

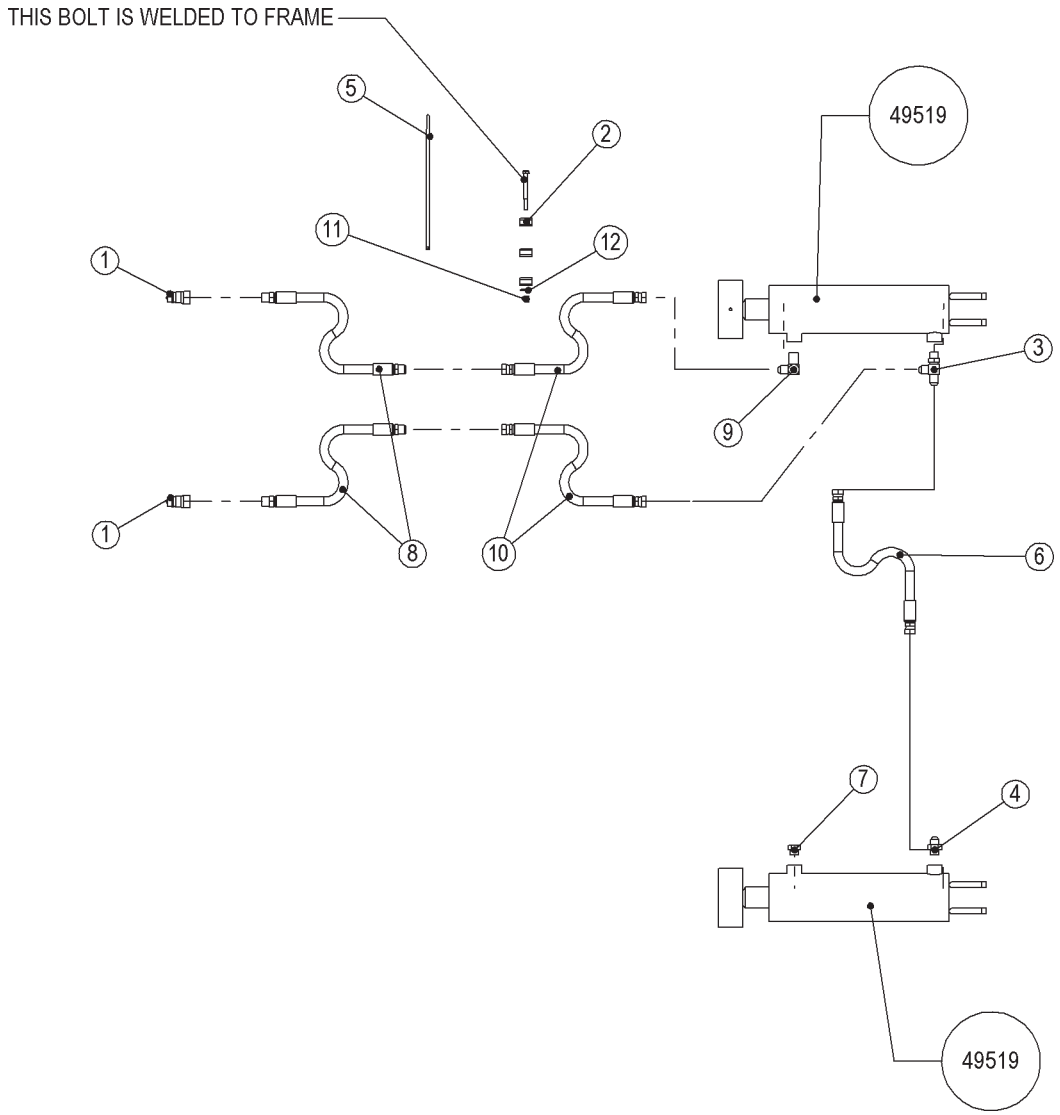






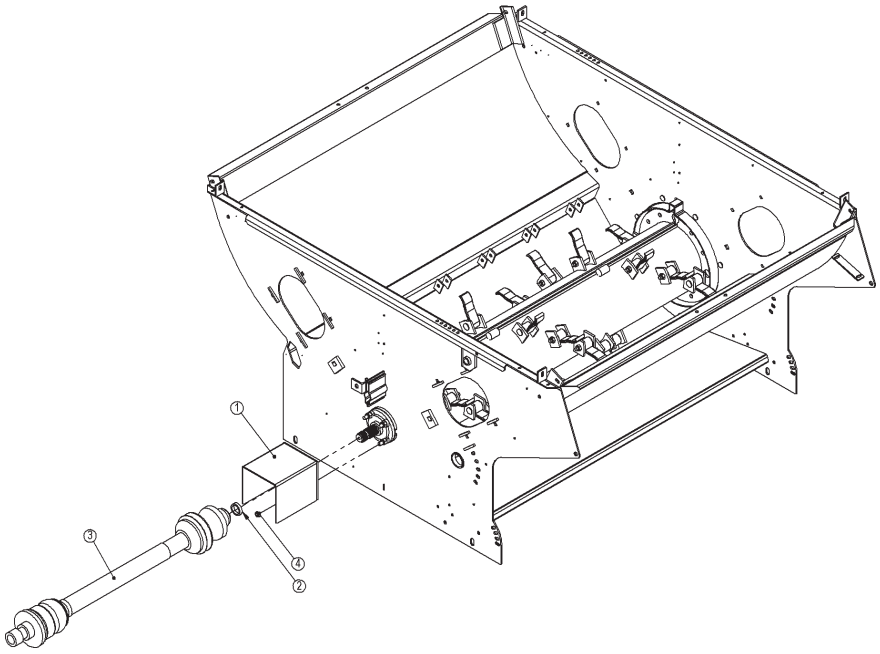
4.11 Hydraulic Cylinder Assembly (Part No. 49344)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30209	HYD,FIT,PIONEER,MALE,8FP	2
2	30210	HYD,CLAMP,HOSE,1/2	9
3	30214	HYD,FIT,TEE,8MB-8MJ-8MJ	1
4	30215	HYD,FIT,ADAPTER,8MB-8MJ	1
5	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	5
6	33171	HYD,HOSE,3/8X48,8FJX-8FJX,2W	1
7	33211	HYD,FIT,VENT,8MB	1
8	33328	HYD,HOSE,3/8X102,8MP-8MJ,2W	2
9	30211	HYD,FIT,ELBOW,8MB-8MJ90	1
10	33899	HYD,HOSE,3/8X150,8FJX-8FJX,2W	2
11	31177	NUT,NYLOCK,5/16,UNC,ZP	3
12	31239	WASHER,FLAT,5/16,ZP	3



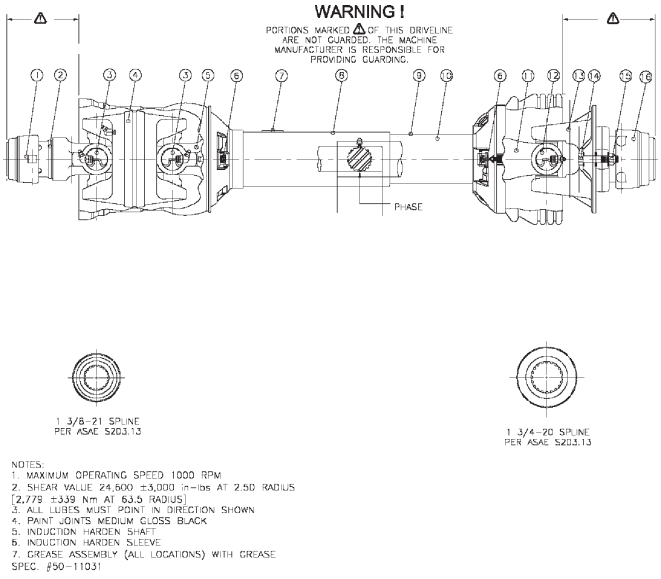
4.12 Drive Assembly (Part No. 49345)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49929	WLDT,GUARD,DRIVELINE	1
2	E7831	PIPE,SMLS,2-1/4X.240X1/2L	1
3	33904	DRV,DL,CV,35R,CAT4,ROT,SL	1
4	31168	NUT,NYLOCK,JAM,5/8,UNC,ZP	4



4.12.1 Drive Line Assembly (Part No. 33904)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30352	AUTO LOCK REPAIR KIT	1
2	30353	AUTO LOCK YOKE ASSEMBLY	1
3	30354	CAT4 80 DEGREE CROSS & BEARING	2
4	33806	CENTER HOUSING	1
5	30357	YOKE AND SHAFT	1
6	33811	NYLON REPAIR KIT	2
7	30359	SAFETY SIGN	1
8	33796	OUTER GUARD	1
9	33797	INNER GUARD	1
10	30363	SAFETY SIGN	1
11	30364	YOKE,TUBE, & SLIP SLEEVE	1
12	30365	35R CROSS AND BEARING KIT	1
13	33855	BALL SHEAR ASSEMBLY	1
14	30367	3/8 x 2-16 GR 5 BOLT	1
15	30368	3/8-16 LOCK NUT	1
16	33856	SSL/AUTO LOK REPAIR KIT	1
17	33812	J&S HALF ASM W/FULLGUARDSET - TRACTOR END	
18	33956	J&T W/GUARD - HALF ASM - MACHINE END	
19	33814	ROTATING GUARD SET	



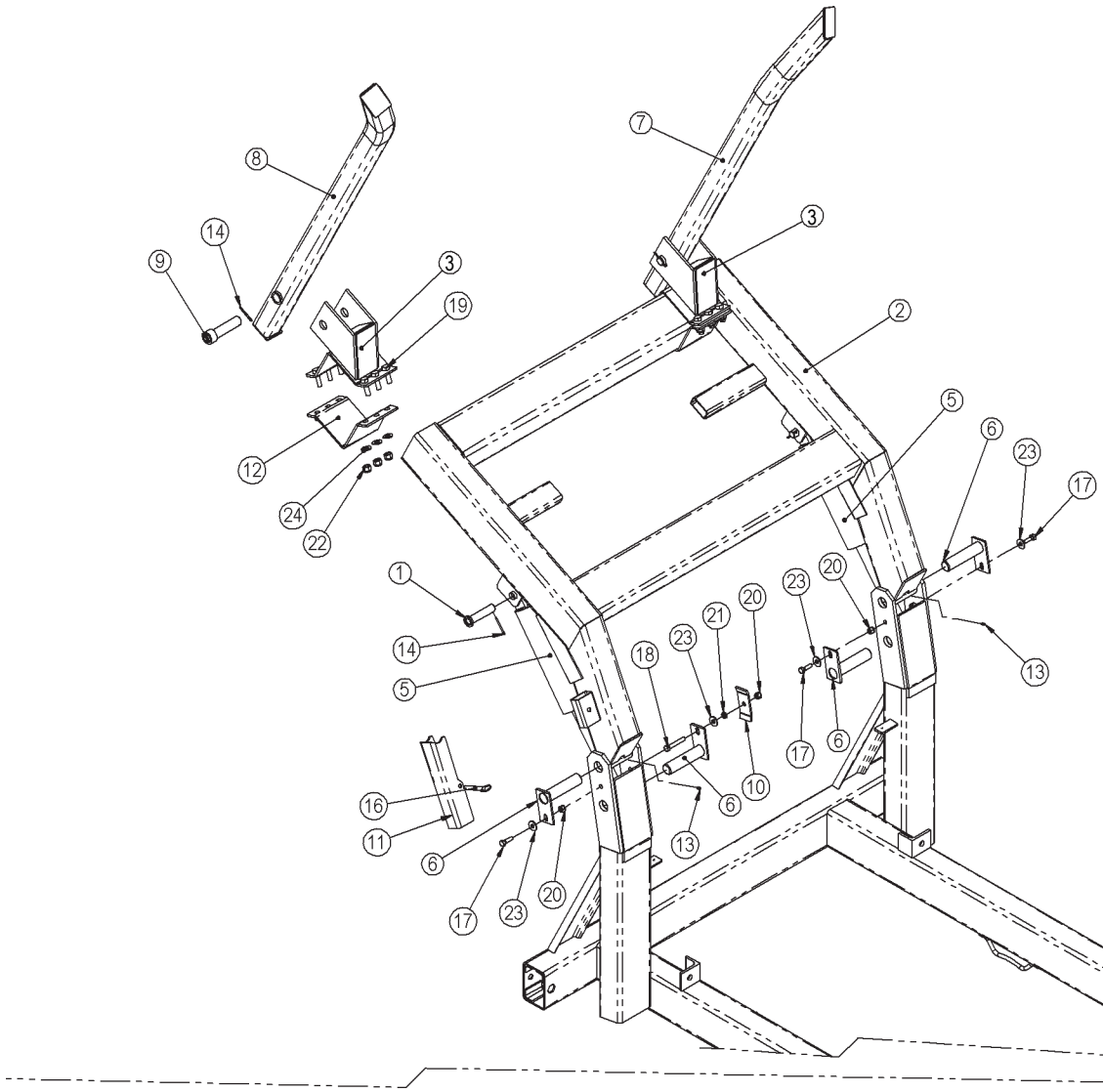
NOTES:
1. MAXIMUM OPERATING SPEED 1000 RPM.
2. SHEAR VALUE 24,600 ±3,000 in-lbs AT 2.50 RADIUS [2,779 ±339 Nm AT 63.5 RADIUS]
3. ALL LUBES MUST POINT IN DIRECTION SHOWN
4. PAINT JOINTS MEDIUM GLOSS BLACK
5. INDUCTION HARDEN SHAFT
6. INDUCTION HARDEN SLEEVE
7. GREASE ASSEMBLY (ALL LOCATIONS) WITH GREASE SPEC. #50-11031

4.13 Bale Pro 8000 Decals (Part No. 49346)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30208	PLT,SERIAL#	1
2	30271	DECAL,DANGER,ROTATING DRIVE	2
3	30285	DECAL,DANGER,TO PREVENT	2
4	30288	RIVET,ST,1/8X.390,.250HEAD	2
5	30577	DECAL,RED REFL,2X9	3
6	30578	DECAL,AMBER REFL,2X9	2
7	32981	DECAL,PIMA	1
8	33927(22.7)	DECAL,PSTRP,22.7,BLK,1	1
9	92573	DECAL,WARNING,DISCHARGE	2
10	92028	SIGN,SLOWMOVING,S276.5	1
11	E3834	DECAL,DANGER,DO NOT STAND	1
12	E5857	DECAL,TWINE CUTTER	2
13	E5868	DECAL,LOCK,CYLINDER	1
14	E6105	DECAL,WARNING,CV ANGLE	1
15	E7552	DECAL,WARNING,OWNERS_MANUAL	2
16	E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	1
17	E7572	DECAL,CAUTION,JACK,5000LBS	1
18	E8493	DECAL,HIGHLINE,BALE_PRO,68X8	2
19	E8494	DECAL,8000,BP,31x11-3/16	2
20	E8497	DECAL,GREASEZERK,100H	2
21	E8590	DECAL,GREASEZERK,50H	2
22	E8591	DECAL,GREASEZERK,10H	4
23	E8592	DECAL,ADJ,FGR	1
24	31174	NUT,NYLOCK,1/4,UNC,ZP	2
25	37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	2

4.14 Bale Lift Assembly (Part No. 49352)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45185	PIN, CYL, TOP	2
2	45293	WLDT,FRAME,LIFT	1
3	45294	WLDT,MOUNT,FORK,LT	1
4	45295	WLDT,MOUNT,FORK,RT	1
5	49519	HYD,CYL,3.5X10,CLVXTUBE,8FBIL	2
5.1	33925	HYD,CYL,SEALKIT,3-1/2X10,HS	1
5.2	33926	HYD,CYL,ROD,1-3/4X10,HS	1
6	49522	WLDT,PIN,ANTIROTATE,1-1/2DIA,6	4
7	49897	WLDT,FORK,LEFT	1
8	49898	WLDT,FORK,RIGHT	1
9	49899	WLDT,PIN,FORK,1-1/4DX4-7/16U	2
10	E5553	CLAMP,HOSE,HYD	1
11	E8544	LOCK,CYL,1-3/4X10	1
12	E8601	PLT,TUBE,CLAMP	2
13	30207	ZERK,1/4-28,GF641,STRAIGHT	2
14	31183	PIN,COTTER,3/16X2	4
15	31650	ELEC,CLAMP,CABLE,3/4	1
16	31813	PIN,QUICK RELEASE,1/2X3,ZP	1
17	31016	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	3
18	33921	BOLT,HEX,1/2X3,UNC,GR5,ZP,FT	1
19	31052	BOLT,HEX,5/8X2,UNC,GR5,ZP	12
20	31173	NUT,NYLOCK,1/2,UNC,ZP	4
21	30611	NUT,NYLOCK,JAM,1/2,UNC,ZP	1
22	31178	NUT,NYLOCK,5/8,UNC,ZP	12
23	31236	WASHER,FLAT,1/2,ZP	4
24	33736	WASHER,FLAT,5/8SAE,ZP	12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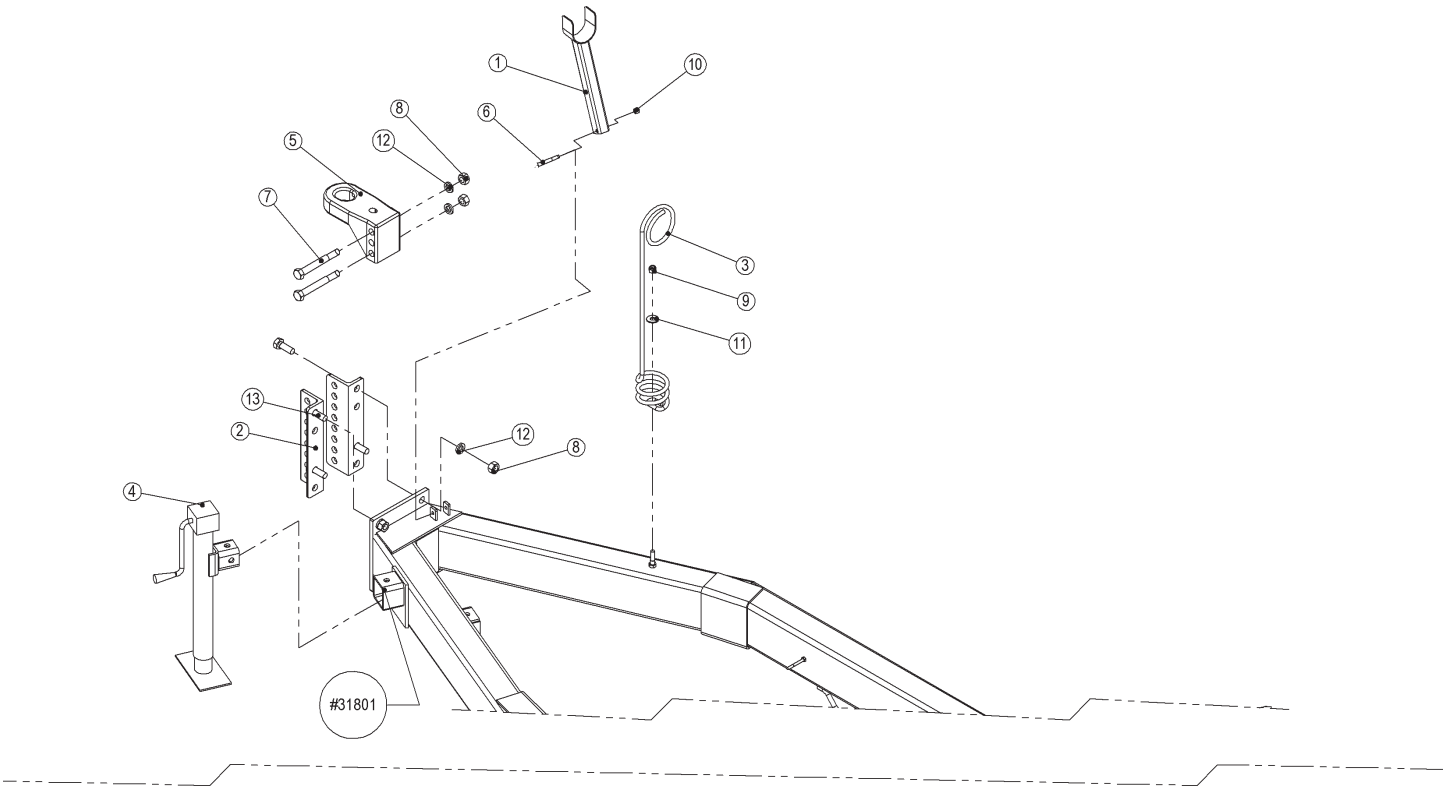
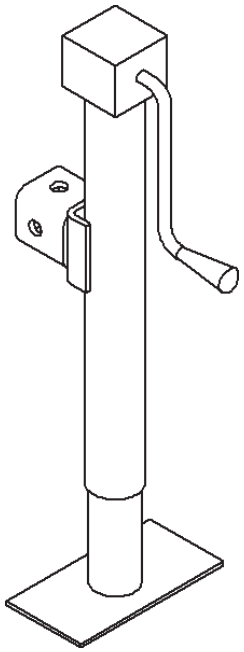
4.15 Hitch & Jack Assembly (Part No. 49597)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49586	WLDT,HOLDER,CV	1
2	E6546	ANGLE,BRIDLE,HITCH,LT	2
3	30206	HYD,HOLDER,HOSE,1/2	1
4	33737	JACK,5000LBX15,SQMT,SW,DYNA	1
5	31861	HITCH,BASE,3 IN 1	1
6	30374	BOLT,HEX,3/8X3,UNC,GR5,ZP	1
7	31042	BOLT,HEX,3/4X6,UNC,GR5,ZP	2
8	31167	NUT,HEX,3/4,UNC,GR5,ZP	6
9	31173	NUT,NYLOCK,1/2,UNC,ZP	1
10	31176	NUT,NYLOCK,3/8,UNC,ZP	1
11	31236	WASHER,FLAT,1/2,ZP	1
12	31246	WASHER,LOCK,3/4,ZP	6
13	31339	BOLT,HEX,3/4X2,UNC,GR5,ZP	4
14	31801	JACK MOUNT ASSY	1



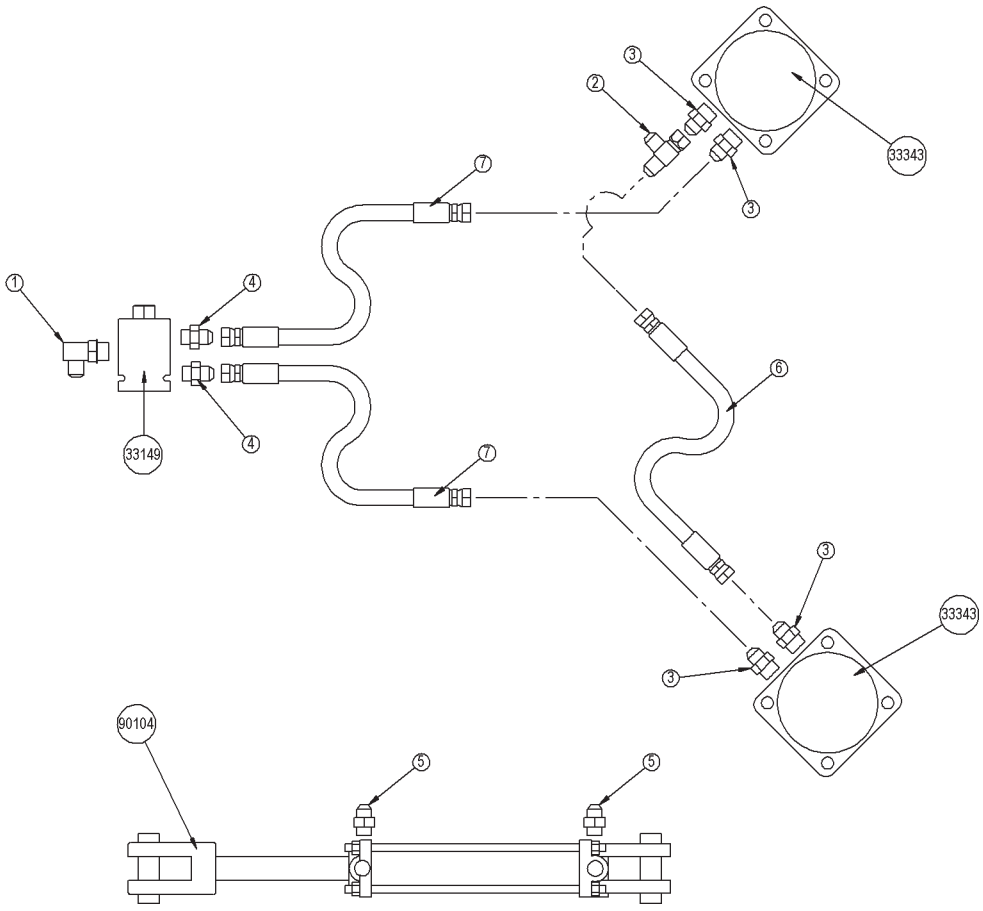
4.15.1 Jack Assembly (Part No. 31801)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	33569	SIDE WIND HANDLE	1
2	33570	BEVEL GEAR SET	1
3	33566	HANDLE RETAINER RING	1
4	33567	MACH BUSH; 9/169X1X18GA	2
5	33568	FLANGED HANDLE BUSING	1



4.16 Hydraulic Door, Front Assembly (Part No. 49598)

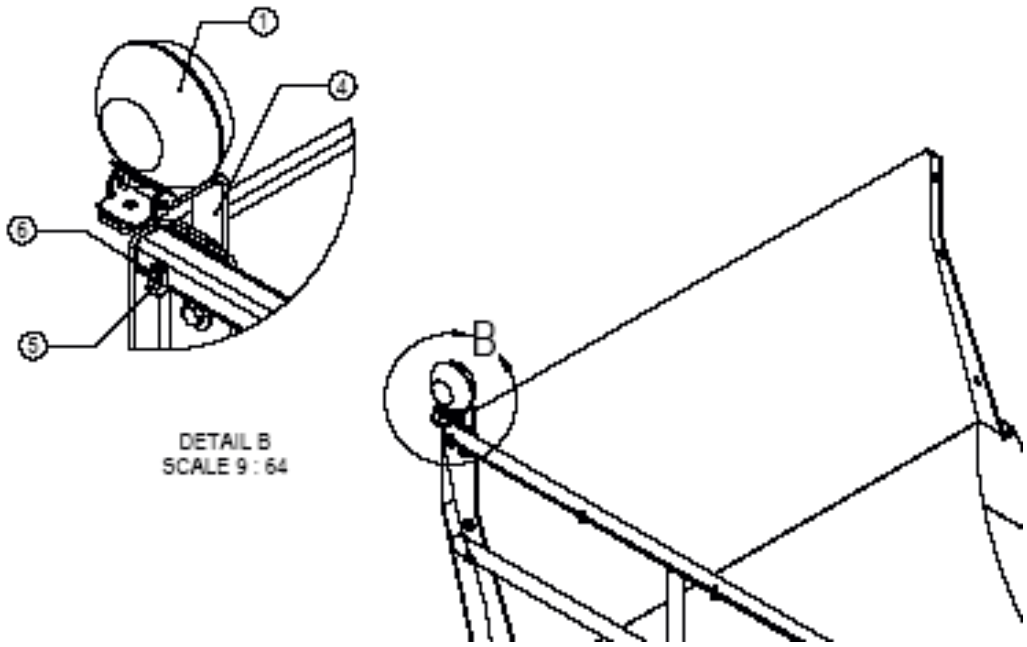
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30145	HYD, FIT, ELBOW, 10MB-8MJ90	1
2	30150	HYD,FIT,TEE,8FJX-8MJ-8MJ	1
3	30204	HYD,FIT,ADAPTER,10MB-8MJ	4
4	30215	HYD,FIT,ADAPTER,8MB-8MJ	2
5	33224	HYD,FIT,ADAPTER,8MB-8MJ,031ORIFICE	2
6	31955	HYD,HOSE,3/8X40,8FJX-8FJX,2W	1
7	31962	HYD,HOSE,3/8X36,8FJX-8FJX,2W	2



5.0 Options

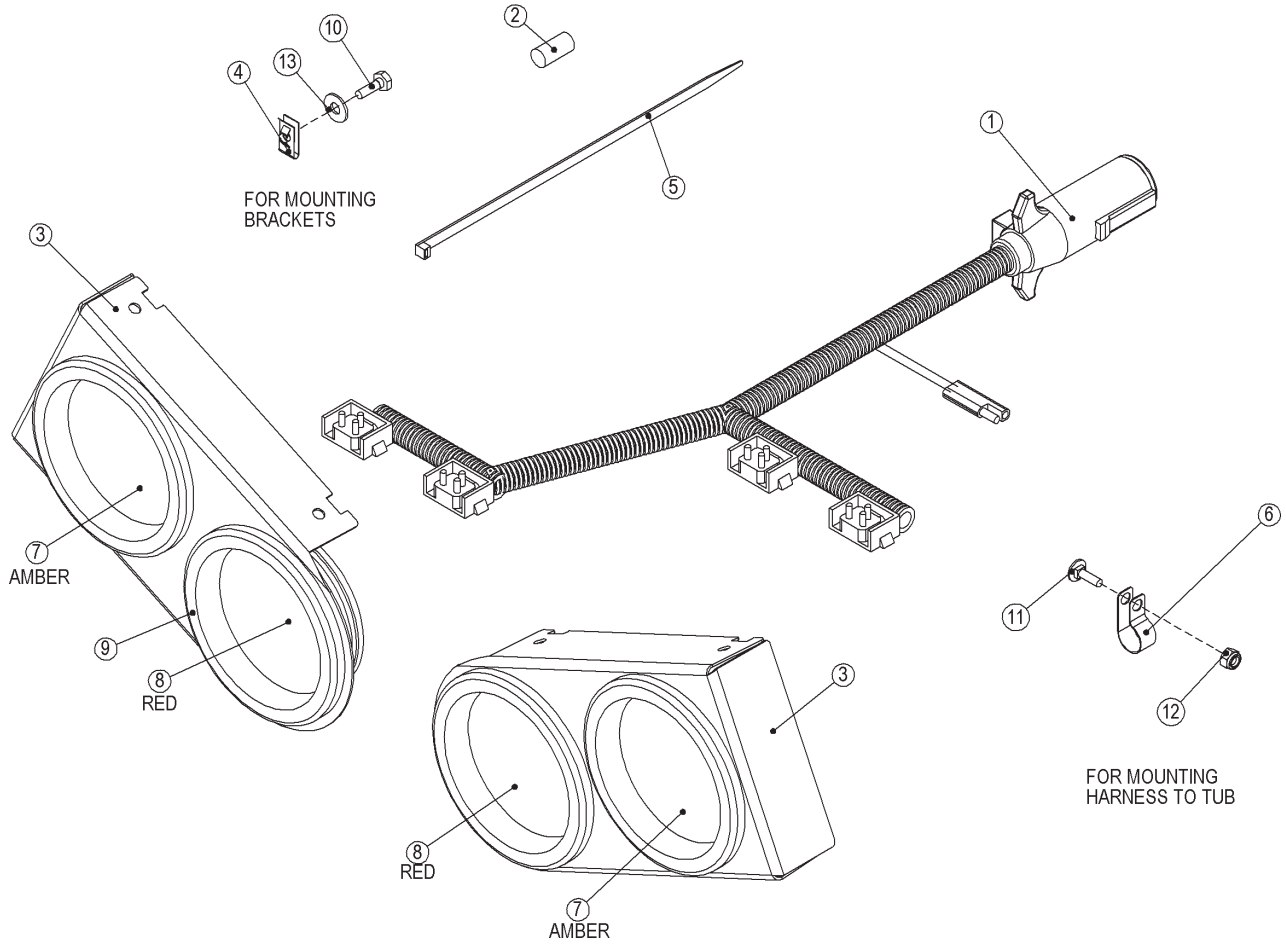
5.1 Field Light Option (Part No. BPORFL-6 (89003))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49204	ELEC,LIGHT,12V,REWORKED	2
2	49205	ELEC,HARNESS,LIGHT,OPTIONAL	1
3	49420	ELEC,HARNESS,TRACTOR_RFLIGHT	1
4	E5673	BRACKET,MOUNT,LIGHT	2
5	31649	ELEC,CLAMP,CABLE,1/2	11
6	30294	SCREW,TEK,1/4X1	11
7	31741	BOX,CARDBOARD,21X4X4	1



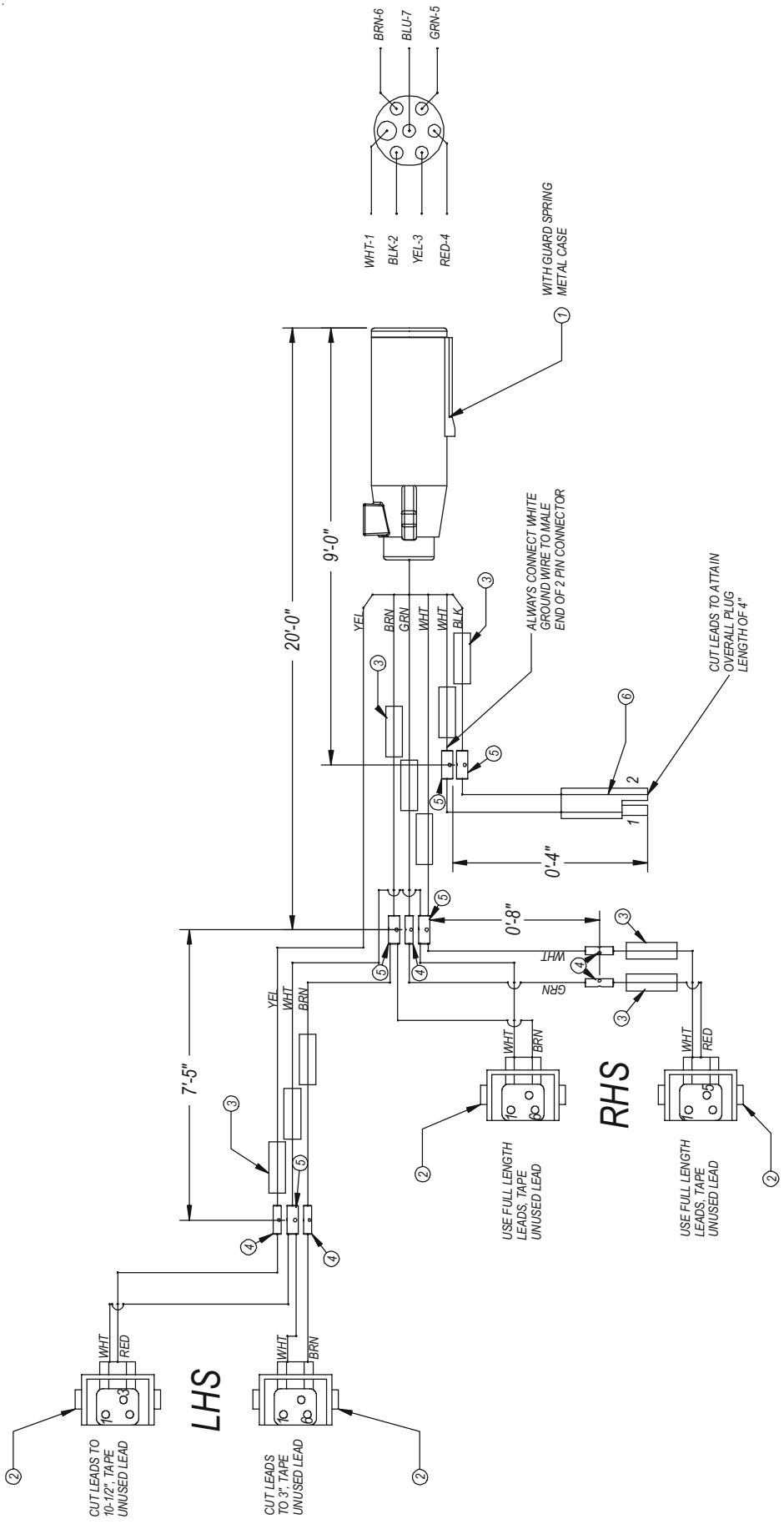
5.2 Clearance Light Option (Part No. BPOCL-6 (89002))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49364	ELEC,HARNESS,LIGHT,BP	1
2	E3669	SHAFT,1/2x1	4
3	E6259	MOUNT,LAMP,GROMMET,2X4-1/2	2
4	31593	CLIP,AUTOMOTIVE,1/4,GR5,ZP	4
5	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	4
6	31650	ELEC,CLAMP,CABLE,3/4	9
7	31951	ELEC_LIGHT,AMBER,4DIA,S/T/T	2
8	31952	ELEC_LIGHT,RED,4DIA,S/T/T	2
9	31953	GROMMET,LIGHT,4X4-1/2	4
10	31033	BOLT,HEX,1/4X3/4,UNC,GR5,ZP	4
11	37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	9
12	31174	NUT,NYLOCK,1/4,UNC,ZP	9
13	31237	WASHER,FLAT,1/4,ZP	4



5.2.1 Harness Schematic for Clearance Light Option (Part No. 49364)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30556	ELEC,CONN,7 WIRE,FEMALE	1
2	31853	ELEC,PLUG,STOP/TURN,RIGHT ANGL	4
3	31976	ELEC,HEAT_SHRINK_TUBE,DUAL_WALL,1/4X48	12IN
4	31977	ELEC,CONN,BUTT,16-14GA,NON_INSULATED	5
5	31978	ELEC,CONN,BUTT,12-10GA,NON_INSULATED	5
6	37686	ELEC,PLUG,2_POLE,10GA	0.5
7	37980	ELEC,WIRE,14GA,STAND,BLACK	9FT
8	37981	ELEC,WIRE,14GA,STAND,WHITE	37.25FT
9	92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	30.42FT
10	92153	ELEC,WIRE,16,GREEN,STRAND	20.83FT
11	92154	ELEC,WIRE,16,YELLOW,STRAND	27.42FT
12	92155	ELEC,WIRE,16,BROWN	27.42FT
13	92170	TIE,CABLE,4",BLACK	13


BRN-6
BLU-7
GRN-5
WHT-1
BLK-2
YEL-3
RED-4
WITH GUARD SPRING METAL CASE
20'-0"
9'-0"
ALWAYS CONNECT WHITE GROUND WIRE TO MALE END OF 2 PIN CONNECTOR
CUT LEADS TO ATTAIN OVERALL PLUG LENGTH OF 4"
0'-4"
0'-8"
7'-5"
YEL
BRN
GRN
WHT
BLK
RED
RHS
LHS
USE FULL LENGTH LEADS, TAPE UNUSED LEAD
CUT LEADS TO 10-1/2", TAPE UNUSED LEAD
CUT LEADS TO 3", TAPE UNUSED LEAD

5.2.2 Mounting Clearance Light Option

Please refer to Clearance Light Option on the previous page.

The clearance light kit you have purchased has the grommets (Item 9), lights (Item 7 & 8), and clips (Item 4) already installed in the light brackets (Item 3).

Plug wiring harness pin connectors into lights making sure that red lights are connected to the inside connector on each branch. The branches of the harness will be fastened to the rear wall of the tub after you mount the light brackets.

The wiring harness is designed in the shape of a “Y”. The branches of the wiring harness mount on the tub wall in different positions depending on the discharge model you have purchased. The longer branch of the harness has excess wire for the EZ Feed Option. If you do not have this option, wrap the excess harness inside the light bracket. (To determine amount of excess harness position light in its mount location; it should be approx 16”).

Fasten the light brackets to the rear wall with the fasteners provided. Bolt (Item10), washer (Item 13) and nut (item 12). See Figure B

As shown in Figure C, fasten the wiring harness to the tub using the fasteners and holes provided, keeping the bolt heads to the inside of the tub. Leave the fasteners loose so you can adjust the harness later. Bolt (Item 11), clamp (Item 6), and nut (Item 12)

After connecting the wire harness to the rear wall locate the hydraulic lines running under the tub. See Figure C, there are extra positions available in the hydraulic line clamps to run the harness to the front of the Bale Pro. Loosen the hydraulic line clamp (30210) and install the wire harness as shown. Install (Item 2, Fig C) in the opposing clamp hole as a spacer to keep the clamp vertical.

Plug wire harness into the tractor plug and check that the lights are operating correctly.

Tighten all fasteners down securely after adjusting harness for proper slack.

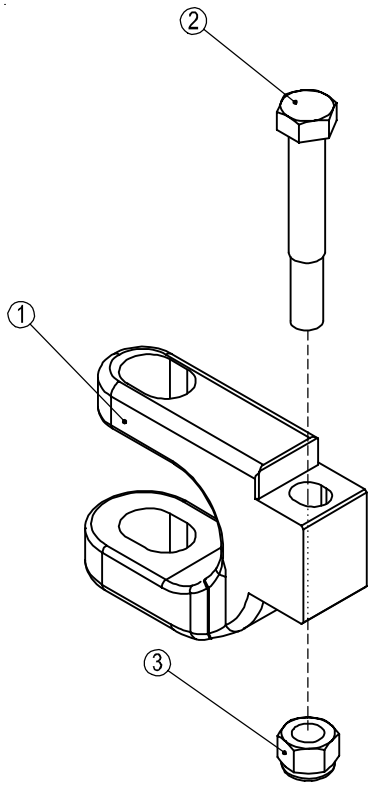
Figure A

Figure B

Figure C

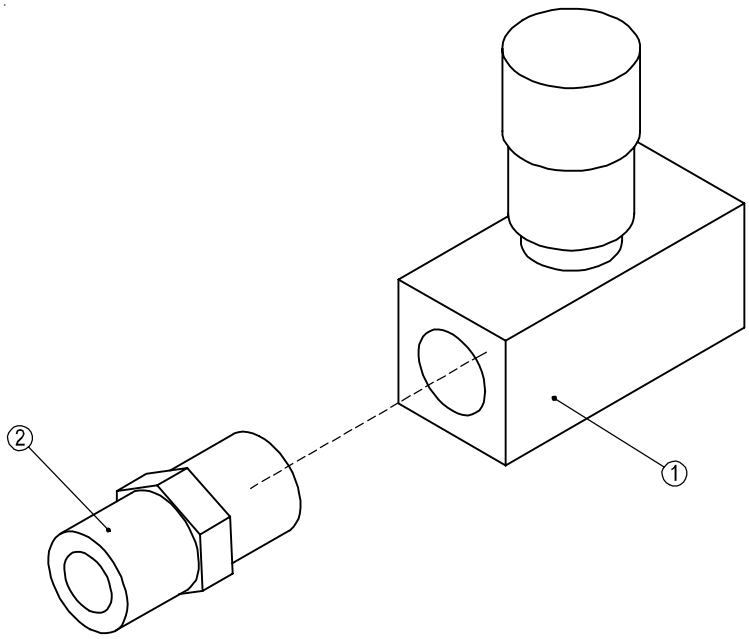
5.3 Hitch Clevis Option (Part No. BPOHC-6 (89004))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31862	CLEVIS,HITCH,3 IN 1	1
2	31486	BOLT,HEX,3/4X5,UNC,GR5,ZP	1
3	31175	NUT,NYLOCK,3/4,UNC,ZP	1



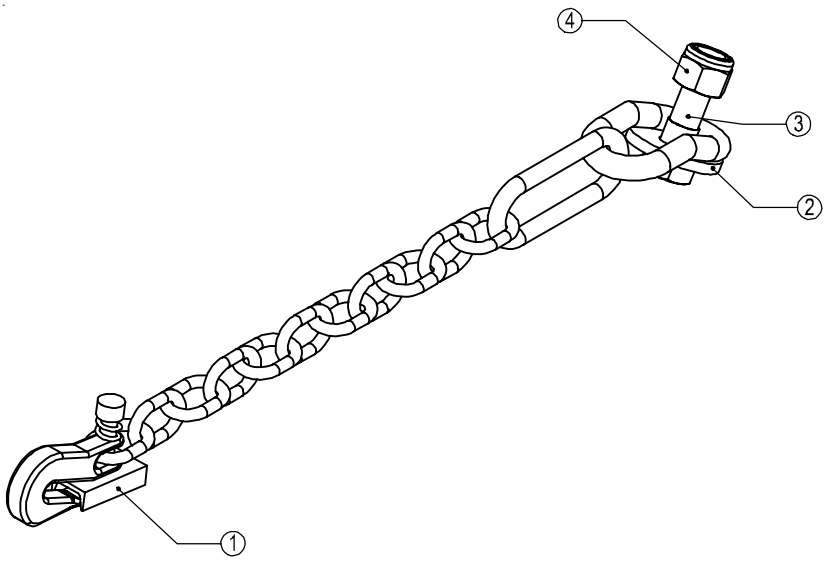
5.4 Flow Control Option (Part No. BPOFC-6 (89005))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	32975	HYD,VALVE,CONTROL,FLOW,8FP	1
2	32082	HYD,FIT,ADAPTOR,8MP-8MP	1



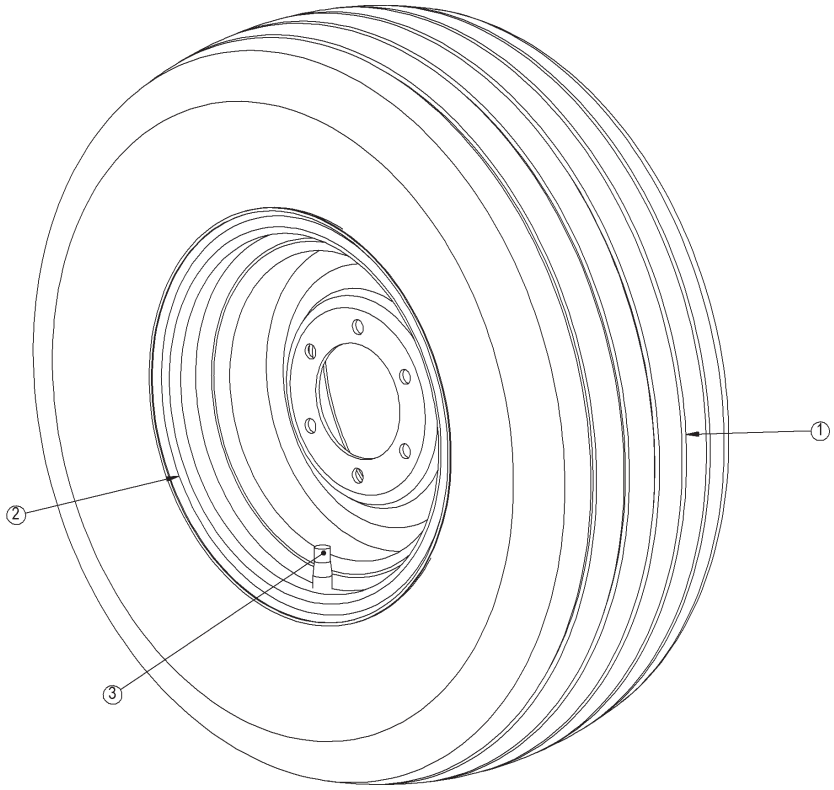
5.5 Safety Chain Option (Part No. BPOSC-6 (89006))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31590	CHAIN,SAFETY,ASAE,10100LB,5'4"	1
2	E6150	PLT,C,1/4x13/16x2-1/4	1
3	31315	BOLT,HEX,3/4X2-1/2,GR8,ZP	1
4	31175	NUT,NYLOCK,3/4,UNC,ZP	1



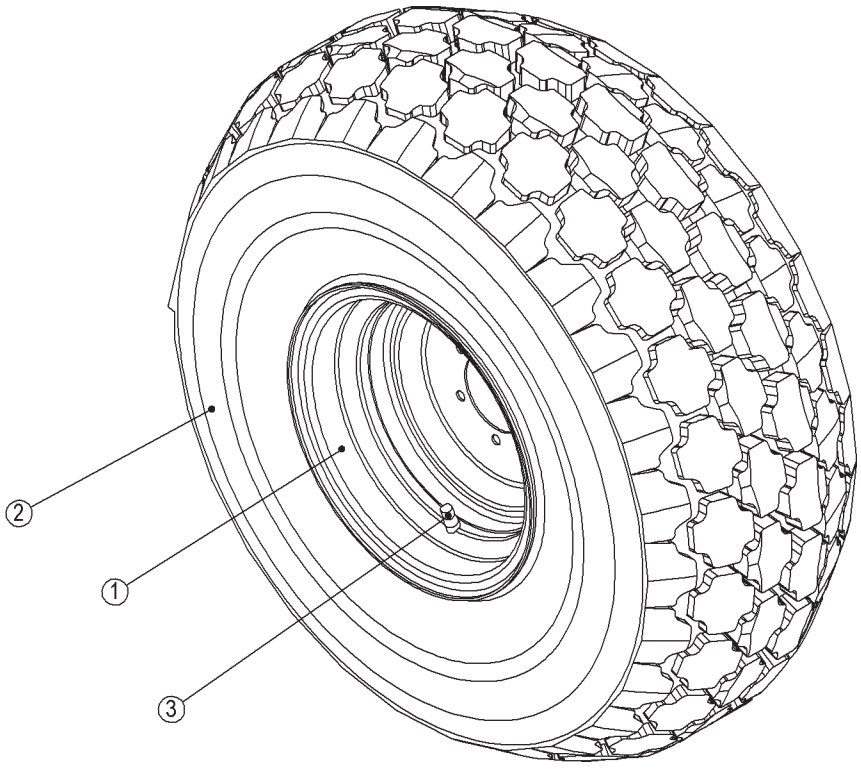
5.6 Standard Tire (Part No. BPOST-6 (49089))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	45222	SUSP,TIRE,11LX15FI,6PLY	1
2	45223	SUSP,WHEEL,15X9LB,1.12OFF,6	1
3	91048	SUSP,STEM,VALVE,TR801HP	1



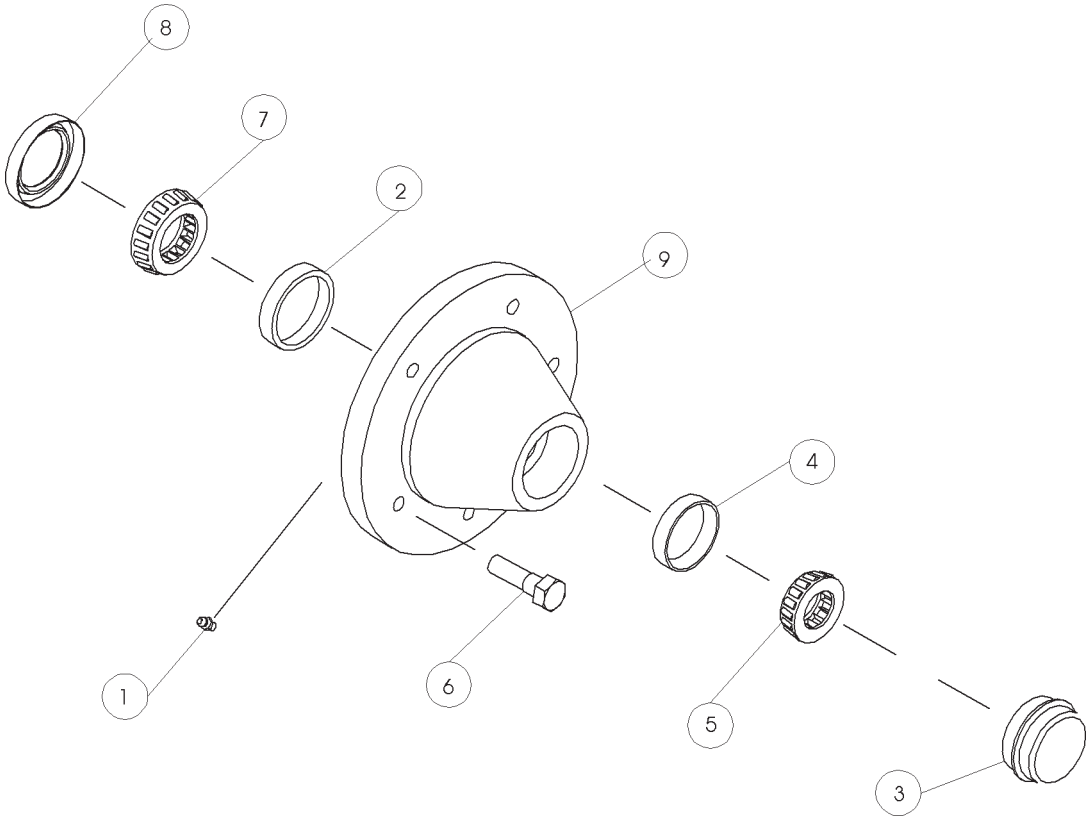
5.7 Large Tire Option (Part No. BPOLT-6 (49348))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	31897	SUSP,RIM,W14CX16.1,+1.12,6,WH	1
2	33880	SUSP,TIRE,16.5LX16.1,ANS,6PLY	1
3	91048	SUSP,STEM,VALVE,TR801HP	1



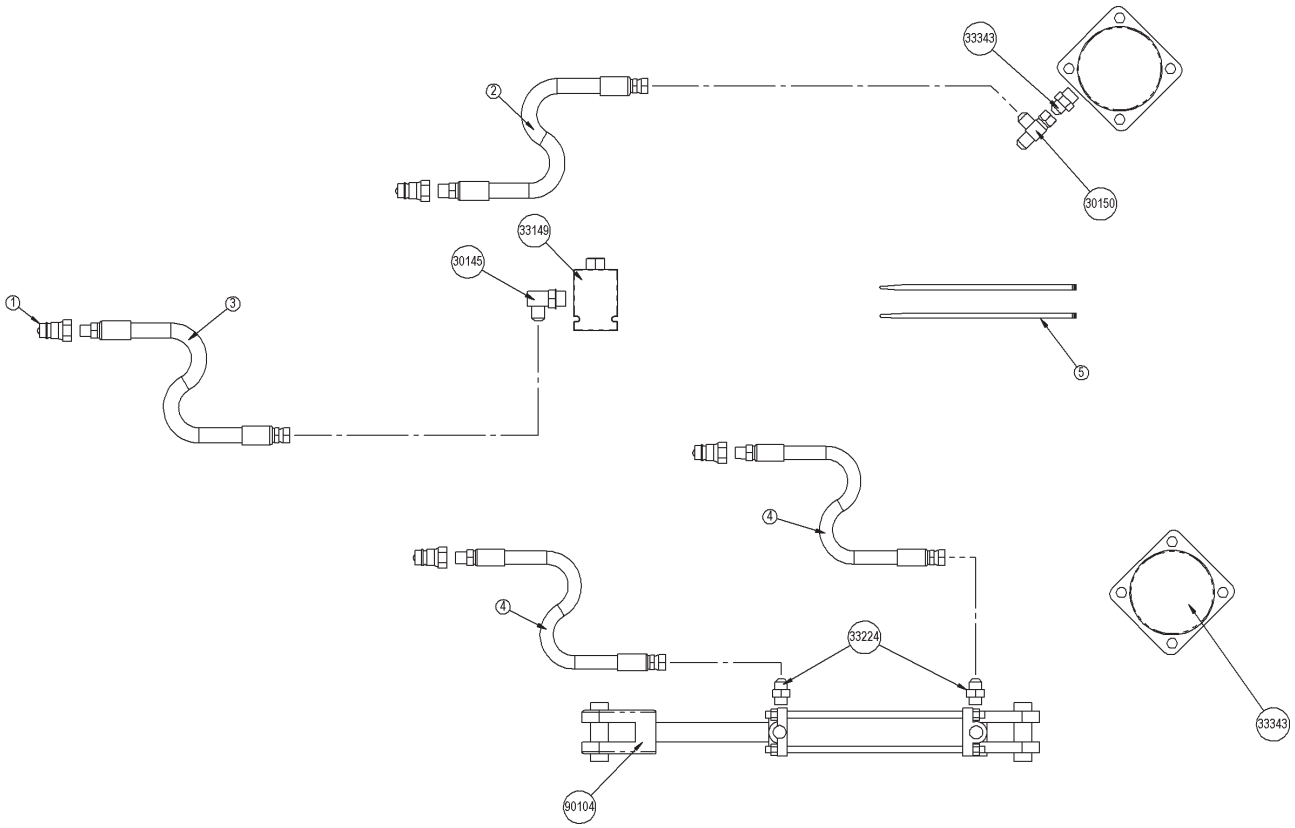
5.7.1 EM5500 Hub Assembly (Part No. 45228)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30207	ZERK,1/4-28,STRAIGHT	1
2	30226	DRV,BRG,RACE,INNER,1.781	1
3	32296	CAP,DUST	1
4	32299	BRG,RACE,OUTER	1
5	32300	BEARING,OUTER	1
6	32301	SUSP,BOLT,WHEEL,9/16X1-1/4	1
7	32305	BEARING,INNER	1
8	32306	SEAL,GREASE	1
9	32312	HUB,H614	1

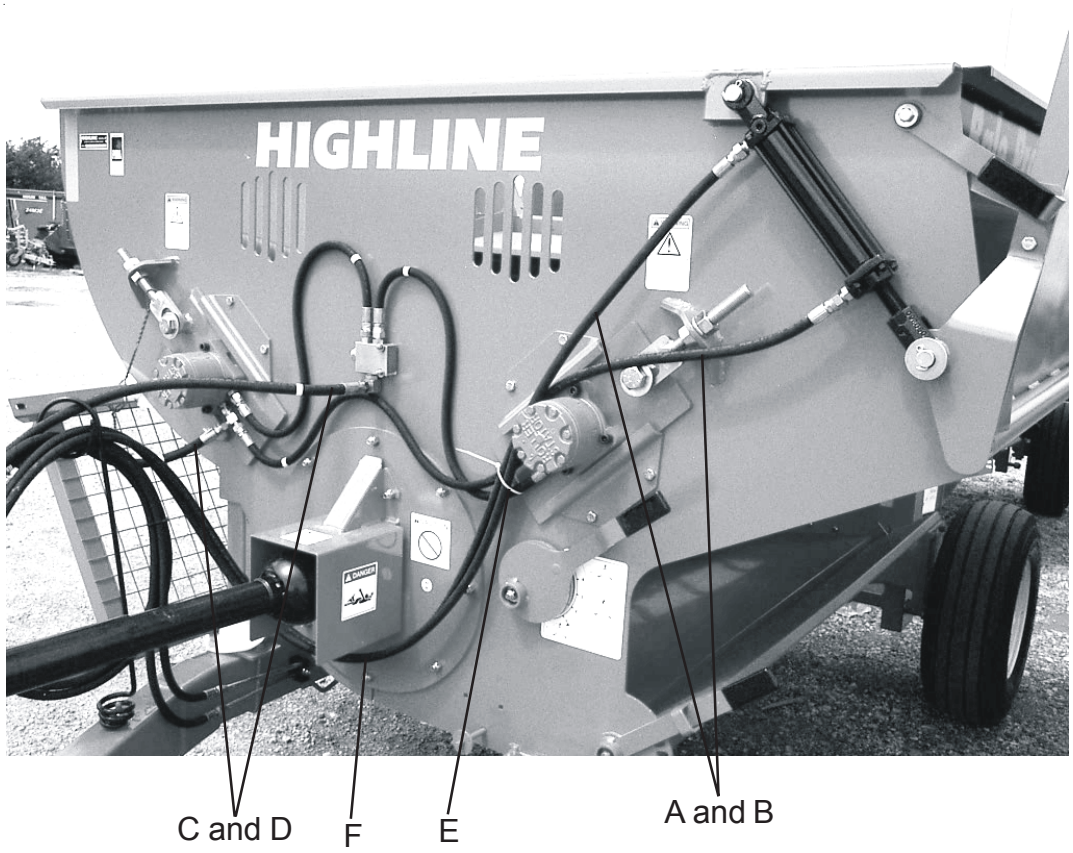


5.8 Three Remote Hydraulic Option (Part No. BPO3RH-6 (89009))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30209	HYD,FIT,PIONEER,MALE,8FP	4
2	30281	HYD,HOSE,1/2X96,8MP-8FJX,2W	1
3	33147	HYD,HOSE,1/2X108,8MP-8FJX,2W	1
4	33148	HYD,HOSE,3/8X180,8MP-8FJX,2W	2
5	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	2



HOSE ROUTING INSTRUCTIONS
(Three Remote Hydraulic)



- Route the hoses (A and B) from door cylinder as shown.

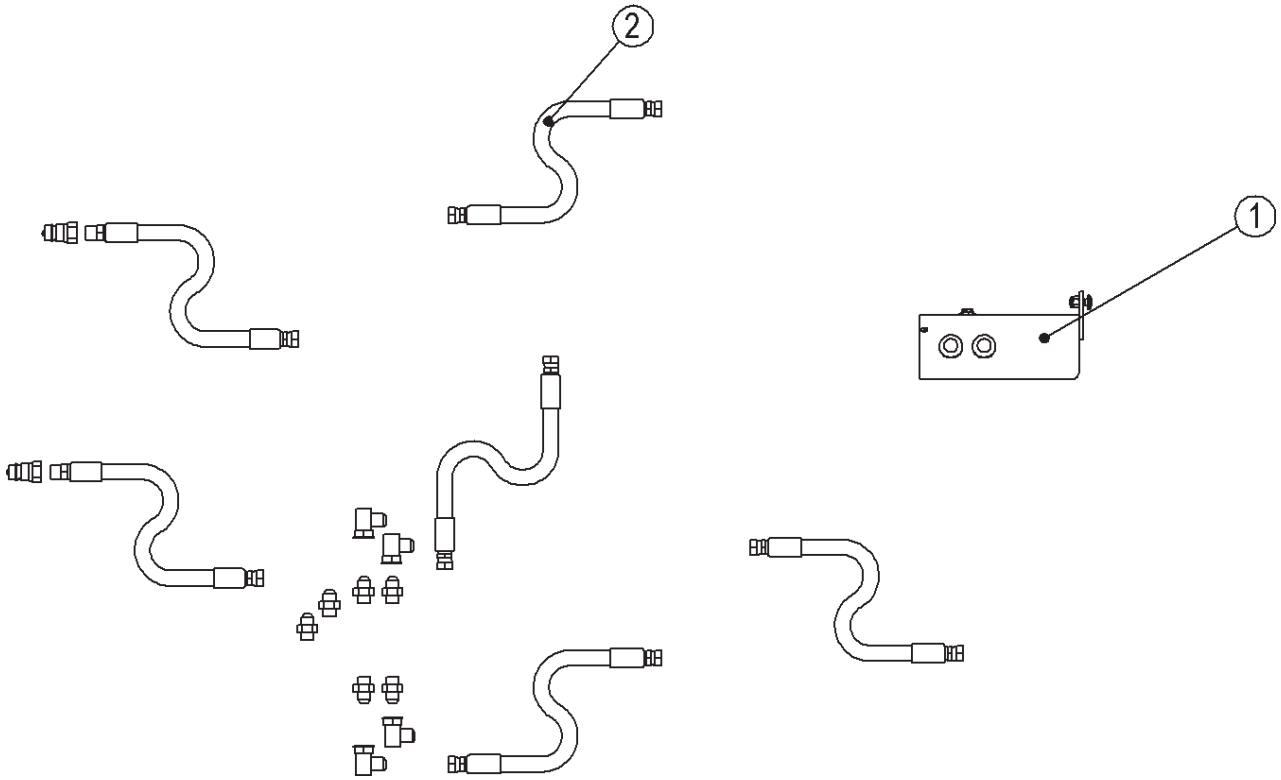
- They should run above the hydraulic motor and then underneath the PTO guard; keeping the hoses as close to the front wall as possible.

- Cable tie the hoses near the motor (E) and near the steel lines (F). Leave some slack near motor so when feed roll floats the hoses do not interfere.

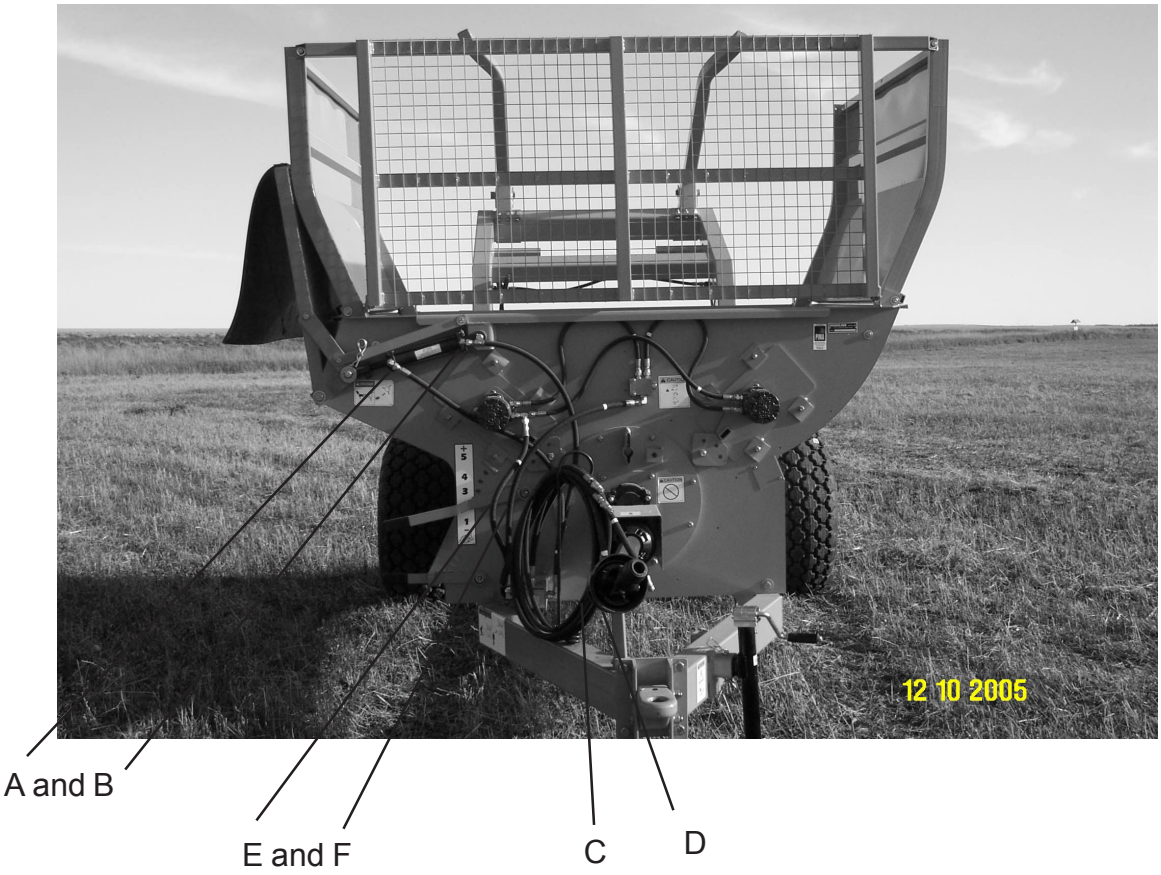
- Route the hoses (C and D) through the pigtail to the front of the machine.

5.9 Mechanical Valve Option (Part No. BPOMAV-6 (89072))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49596	ASSY,ROD,SELECTOR	1
2	49864	ASSY,HYD,SELECTOR	1



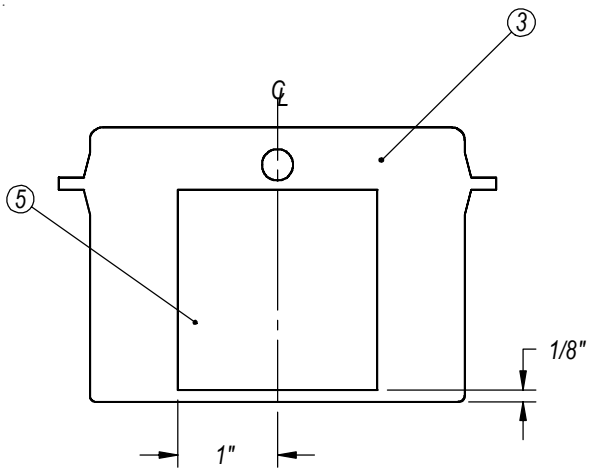
HOSE ROUTING INSTRUCTIONS
(Mechanical Valve)



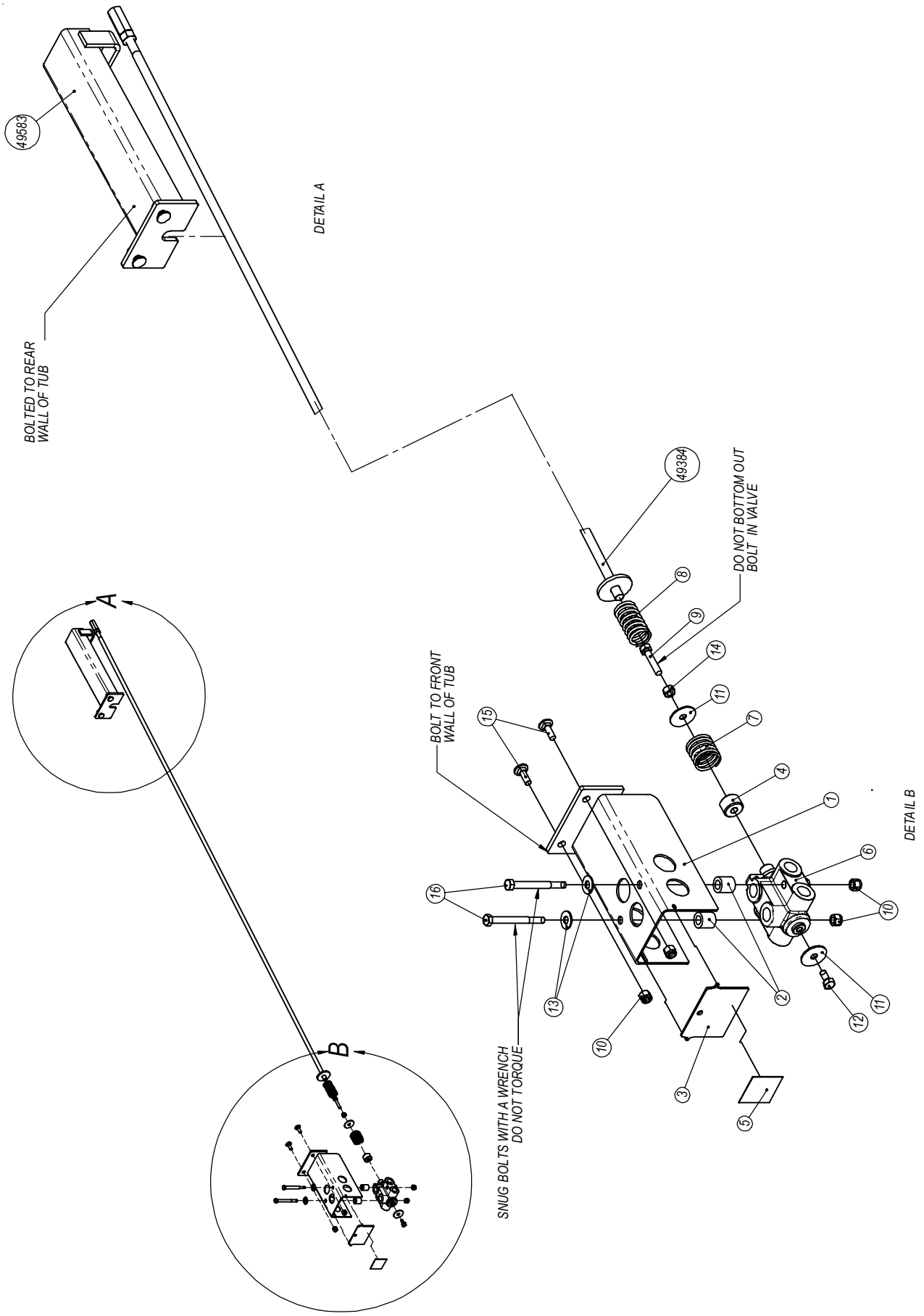
- Route the hoses (A and B) from door cylinder as shown.
- Feed roller hoses should be routed as shown (E and F)
- Supply and return lines should be routed as shown on right hand discharge machines above (E and F) or on a left hand discharge machines hydraulic lines should be above the PTO guard (not shown).
- Route all hoses through the hose holder at the front of the machine.

5.9.1 Selector Rod Assembly (Part No. 49596)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49397	WLDT,SELECTOR,SHIELD	1
2	E7504	PIPE,SMLS,7/8X.188X7/8L	2
3	E6264	PLT,INDICATOR,SELECTOR	1
4	E6327	BUSHING,SELECTOR	1
5	E6328	REFLECTIVE,TAPE,SELECTOR	1
6	31965	HYD,VALVE,DOUBLE_SELECTOR	1
7	32998	SPRING,1.5X2.50X0.135	1
8	32999	SPRING,1.25X2.31X0.148	1
9	30669	BOLT,HEX,3/8X1-3/4,UNC,GR5,ZP,FT	1
10	31176	NUT,NYLOCK,3/8,UNC,ZP	4
11	31234	WASHER,SP,FLAT,25/64IDX1-1/2OD	2
12	31345	BOLT,HEX,3/8X3/4,UNC,GR5,ZP	1
13	31351	WASHER,FLAT,3/8,ZP	2
14	31485	NUT,HEX,3/8,UNC,GR5,ZP	1
15	31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	2
16	31781	BOLT,HEX,3/8X3-1/2,UNC,GR5,ZP	2



DECAL POSTION VIEW


49583
BOLTED TO REAR WALL OF TUB
DETAIL A
49384
DO NOT BOTTOM OUT BOLT IN VALVE
BOLT TO FRONT WALL OF TUB
SNUG BOLTS WITH A WRENCH DO NOT TORQUE
DETAIL B
A
B

5.9.2 Mechanical Valve Installation Instructions

1. Hook the processor to a tractor and connect the bale lift hoses to the tractor. Raise the bale lift and install the cylinder lock.

2. Install item 11 and 12 on the on end of selector valve (item 6). Be sure not to bottom out item 15 inside the spool. Bottoming out the bolt could result in spool not shifting properly

3. Install item 4,7,11 and 14 into the valve (item 6). Fasten in place with item 11 keeping in mind again not to bottom bolt out in valve spool.

4. Take cover (item 1) and install indicator door (item 3) then fasten bushings (item 2), and valve (item 6) to the cover using the fasteners provided (items 10,16,13). Snug the bolts holding the valve to the cover. If these bolts are over torqued valve will no shift properly.

5. Refer to diagram 5.11.3.Connect all the adapter fittings to the valve and tighten them ¼ turn past snug. Connect all elbows to appropriate adapters on the valve. Attach the hoses to the valve as shown in the diagram and tighten securely.

6. Refer to 5.11.1 Install selector rod through the front and rear wall of tub using the holes provided. They can be found toward the discharge side of the machine close to the frame member.

7. Refer to 5.11.1 diagram. Install the valve/cover/hose combination to the front of the tub wall at the location provided. Install spring (item 8) between valve washer (item 11) and selector rod. Fasten cover to front wall with fasteners provided (item 10, 15).

8. Refer to 5.11.1 diagram. Install rear cover to back tub wall using the fasteners provided (items 10,15).

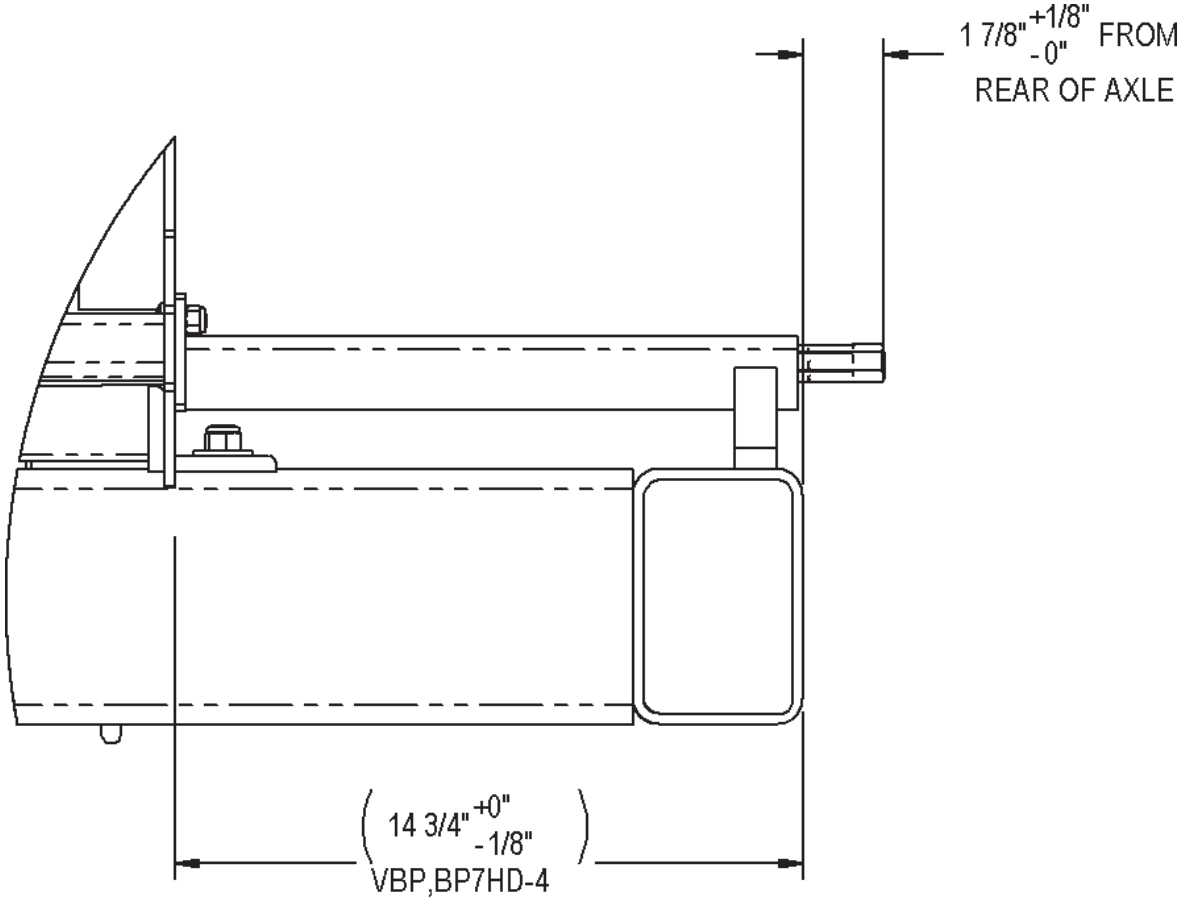
9. Connect opposite hose ends as shown in figure 5.11.3.

10. Install coupler nut and 1/2" regular nut on the end of the selector rod.

11. The selector rod assembly should be set at 2" from the end of the coupling nut to the edge of the selector rod cover at the point of engagement on the small spring. This should shift the valve fully to the door circuit, and allow, while the forks are completely lowered, for discharge door operation without any feed-roller movement. As well, you should not be able to "pull" the selector valve forward at all. See 5.11.2 diagram.

12. If the above conditions are not met then the selector rod may need adjusting. In most cases the selector rod will need to be lengthened. This is done by raising the forks, loosening the jam nut and threading the coupling nut out (making the rod longer). The coupling nut should be adjusted in small increments, one full turn or 1/16" at a time. The jam nut should be retightened, and then the forks lowered and the circuit rechecked for proper operation. If the circuit is still not operating properly repeat the above steps until proper operation is achieved.

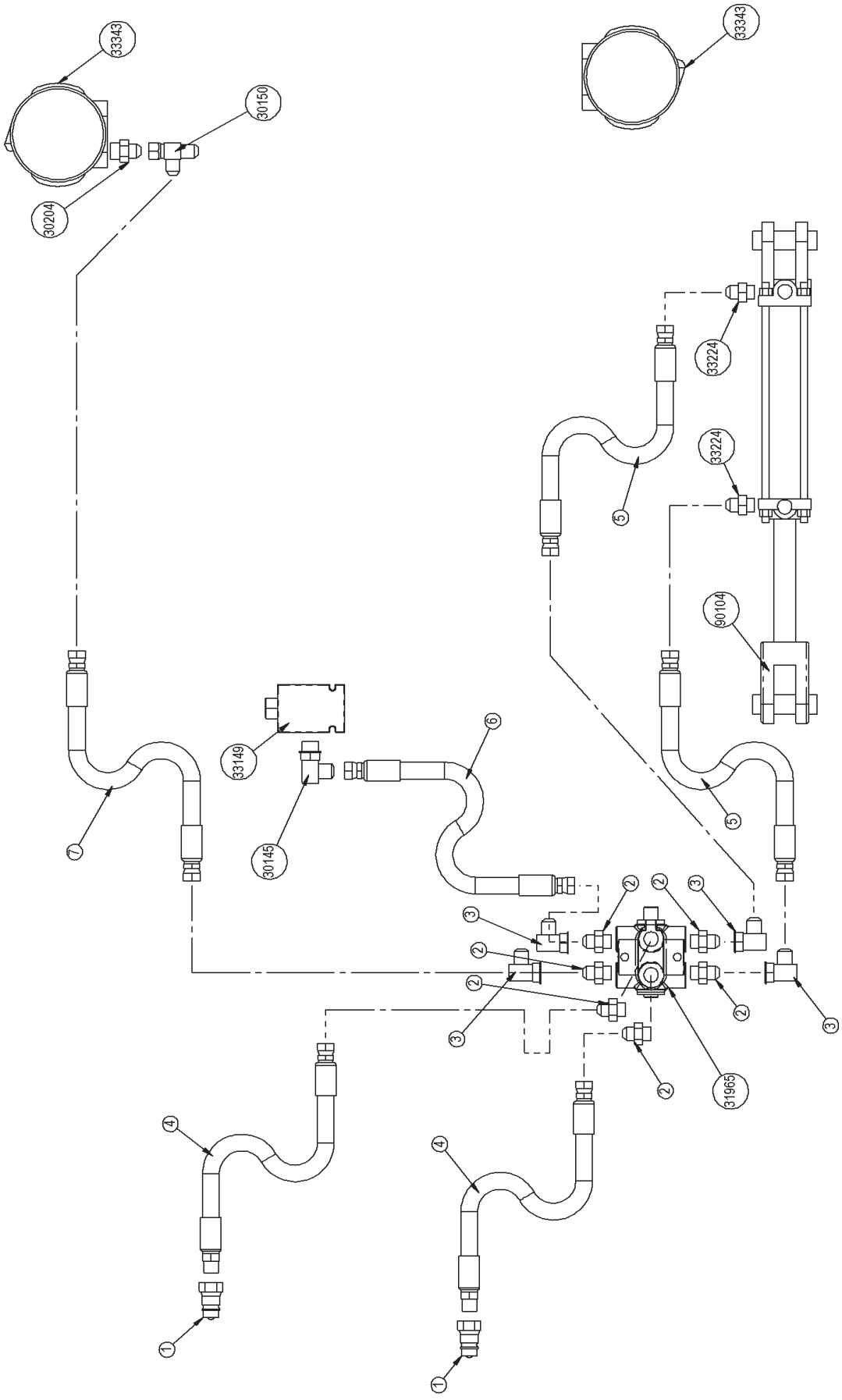
13. Large adjustments made to the selector rod without checking circuit operation may result in damage to the selector rod, valve, and springs.



COUPLER NUT SETTING

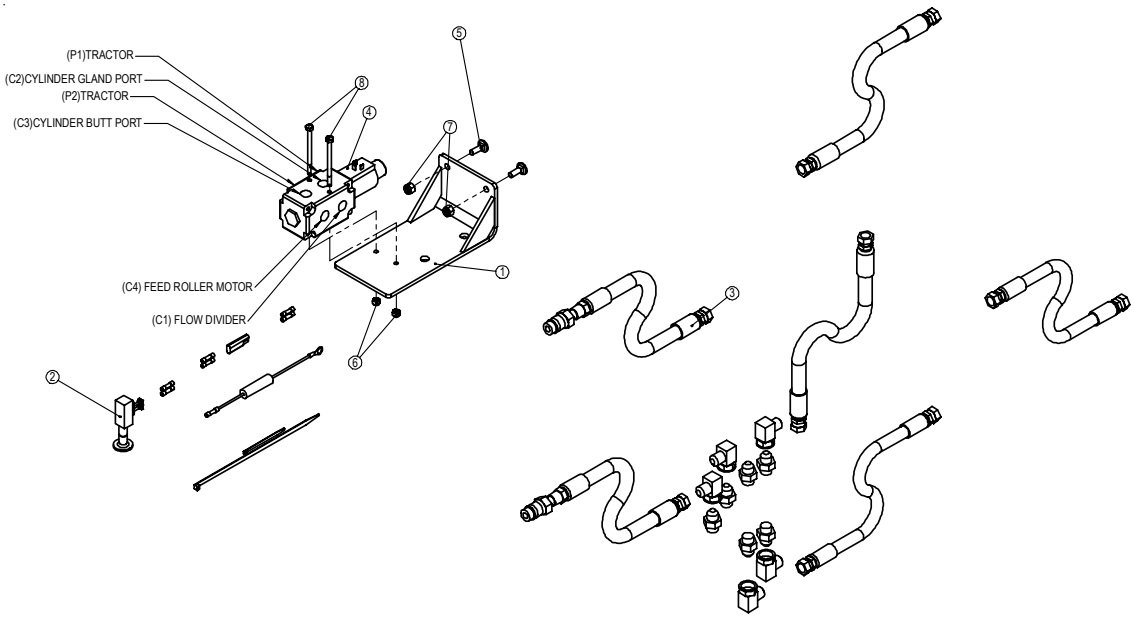
5.9.3 Selector Hydraulics Schematic (Part No. 49864)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30209	HYD,FIT,PIONEER,MALE,8FP	2
2	30215	HYD,FIT,ADAPTER,8MB-8MJ	6
3	30436	HYD, FIT, ELBOW,8FJX-8MJ90	4
4	31954	HYD,HOSE,1/2X120,8MP-8FJX,2W	2
5	33791	HYD,HOSE,1/2X48,8FJX-8FJX,2W	2
6	30437	HYD,HOSE,1/2X42,8FJX-8FJX,2W	1
7	33923	HYD,HOSE,1/2X30,8FJX-8FJX,2W	1


33343
30150
30204
33343
33224
33224
5
90104
33149
6
7
30145
5
2
2
3
3
2
2
2
3
2
2
31965
4
4
1
1

5.10 Electric/Hydraulic Selector Valve Option (Part No. BPOEH-6 (89045))

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	49419	WLDT,MOUNT,ELEC_HYD,7010	1
2	49421	ELEC,HARNESS,SELECTOR VALVE	1
3	49599	ASSY,HYD,SELECTOR	1
4	33201	HYD,VALVE,ELEC_DOUBLE_SELECTOR	1
5	31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	2
6	31174	NUT,NYLOCK,1/4,UNC,ZP	2
7	31176	NUT,NYLOCK,3/8,UNC,ZP	2
8	33200	BOLT,HEX,1/4X3-1/2,UNC,GR5,ZP	2



5.10.1 Electric/Hydraulic Selector Valve Option Installation Instructions

1. Unbolt valve with cover from the front wall and set it to the side.

2. Remove the hex and coupling nut from the end of the selector rod. See next page for the position of the coupling nut in relation to the rod end (for later installation).

3. Pull rod out at front of tub until only a few inches is left sticking through the from wall. Go to the discharge side of the machine and slide the spring and the end of the link bar onto the rod.

4. Reinstall the rod through the rear wall.

5. Install the nut and coupling nut on the selector rod end and set the coupling nut at its previous position in relation to the rod end.

6. Remove the bolts that hold the cover to the selector valve. Install the bracket on the bottom of the selector valve as shown. Reinstall bolts and nuts.

7. Remount the valve to the front wall.

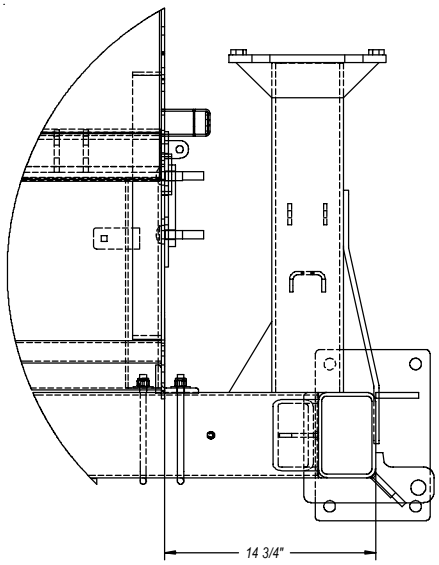
8. Connect the wire harness to the actuator connector. Route the wire harness through the hose holder to the front of the processor.

9. Run the harness to the tractor and mount the switch in a suitable location inside the cab.

10. Route the red wire to the tractors accessory power and the white wire to ground. You may need to adjust the length of the red or white wire that is inside the loom for easier routing.

11. When unhooking from the processor use the quick disconnect on the harness.

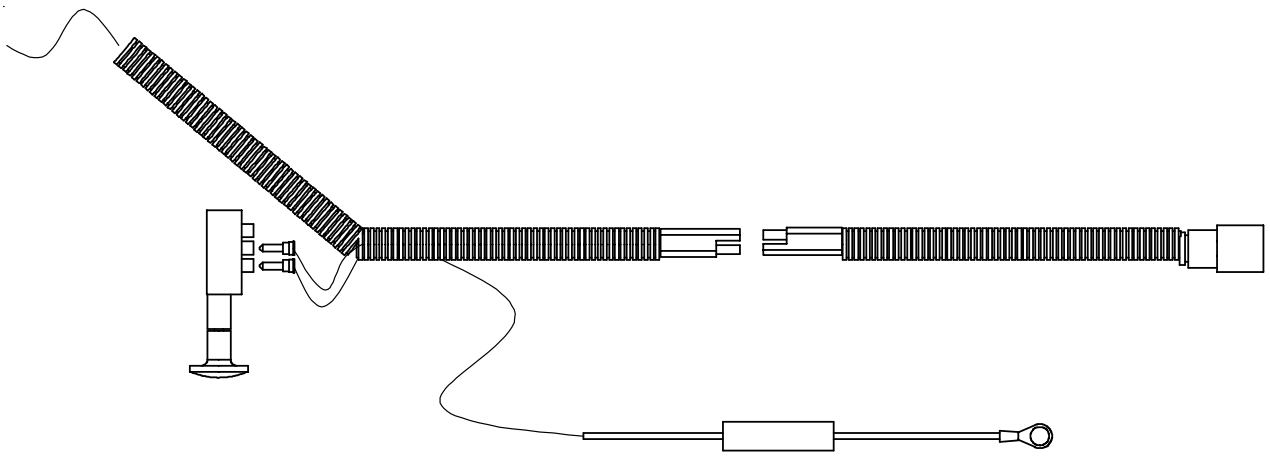
12. Attach the shaft collar on the rod at the distance shown on the next page.

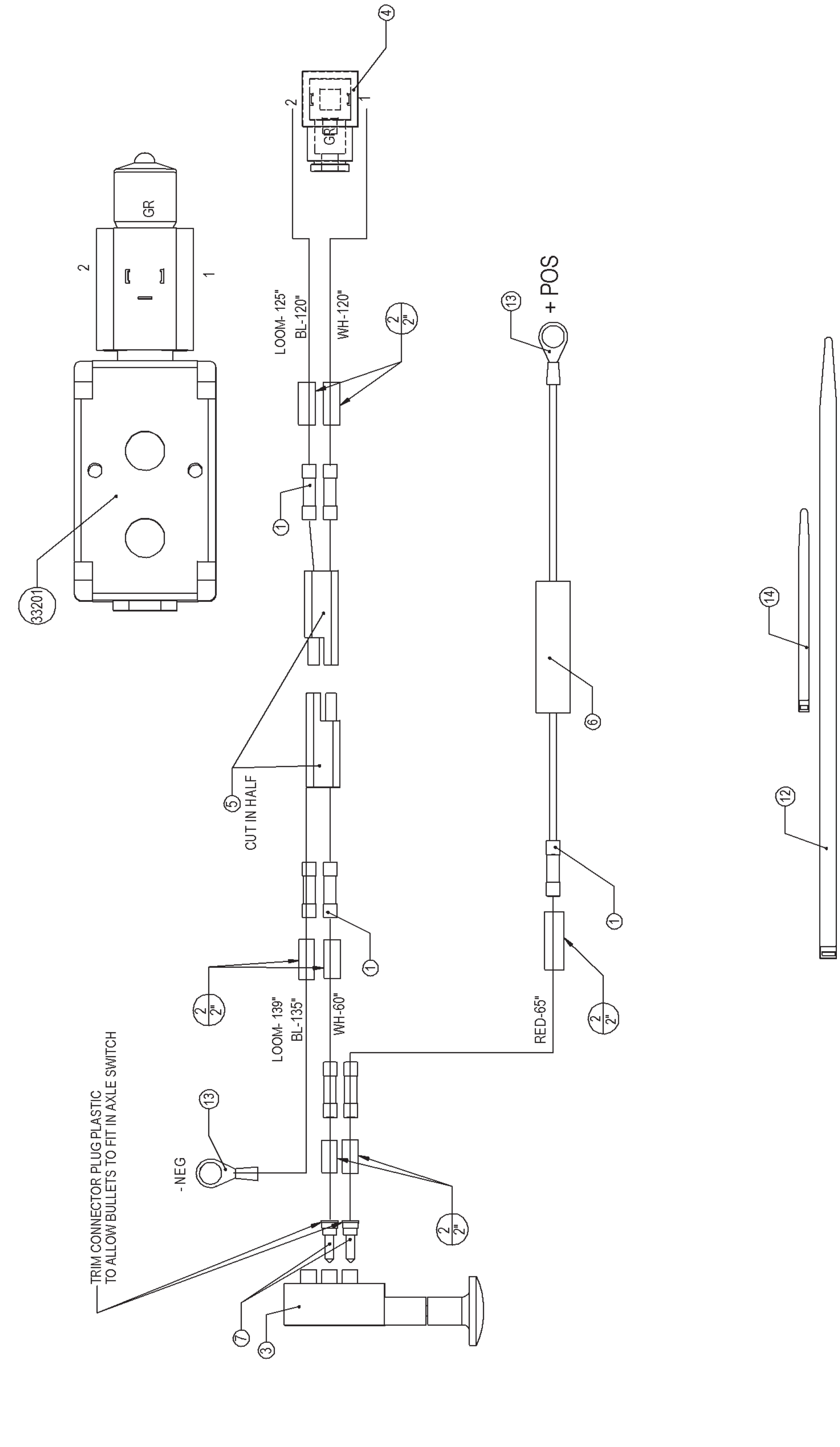


DETAIL- TUB LOCATION
(AXLE PLATE HIDDEN FOR CLARITY)

5.10.3 Harness Schematic for Elec/Hyd Selector Valve Option (Part No. 49421)

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	30408	ELEC,CONN,BUTT,16-14	7
2	31976(1.17)	ELEC,HEAT_SHRINK,DUAL_WALL,1/4	1
3	33123	ELEC,SWITCH,AXLE	1
4	33124	ELEC,CONNECTOR,DIN,MPM 182-09	1
5	33125	ELEC,CONN,2_POLE,FLAT,16GA	1
6	33127	ELEC,HOLDER,FUSE,15AMP	1
7	33130	ELEC,PLUG,BUL .156,90 DEG	2
8	37980(21.25)	ELEC,WIRE,14GA,STRAND,BLACK	1
9	37981(15)	ELEC,WIRE,14GA,STRAND,WHITE	1
10	92151(5.5)	ELEC,WIRE,16GA,STRAND,RED	1
11	92143(22)	ELEC,LOOM,1/2,SPLIT,CORRUGATED	1
12	31613	TIE,CABLE,NYLON,BLACK,11 1/2"	3
13	92166	ELEC_CONNECTOR,RING,3/8,16-14,ST,INS	2
14	92170	TIE,CABLE,4",BLACK	6




33201
GR
2
1
4
LOOM- 125"
BL-120"
WH-120"
2
2"
1
5
CUT IN HALF
13
+ POS
6
RED-65"
14
12
LOOM- 139"
BL-135"
WH-60"
- NEG
TRIM CONNECTOR PLUG PLASTIC
TO ALLOW BULLETS TO FIT IN AXLE SWITCH
7
3

6.0 Parts Index

31235	WASHER,FLAT,1,ZP	39
31236	WASHER,FLAT,1/2,ZP	33
31236	WASHER,FLAT,1/2,ZP	34
31236	WASHER,FLAT,1/2,ZP	37
31236	WASHER,FLAT,1/2,ZP	38
31236	WASHER,FLAT,1/2,ZP	39
31236	WASHER,FLAT,1/2,ZP	48
31236	WASHER,FLAT,1/2,ZP	50
31237	WASHER,FLAT,1/4,ZP	34
31237	WASHER,FLAT,1/4,ZP	54
31238	WASHER,FLAT,3/4,ZP	39
31238	WASHER,FLAT,3/4,ZP	43
31239	WASHER,FLAT,5/16,ZP	45
31246	WASHER,LOCK,3/4,ZP	50
31315	BOLT,HEX,3/4X2-1/2,GR8,ZP	60
31338	BOLT,HEX,3/4X1-3/4,UNC,GR5,ZP	43
31339	BOLT,HEX,3/4X2,UNC,GR5,ZP	50
31345	BOLT,HEX,3/8X3/4,UNC,GR5,ZP	68
31351	WASHER,FLAT,3/8,ZP	39
31351	WASHER,FLAT,3/8,ZP	68
31431	BOLT,CARR,1/2X2-1/4,UNC,GR5,ZP	38
31479	BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP	39
31485	NUT,HEX,3/8,UNC,GR5,ZP	68
31486	BOLT,HEX,3/4X5,UNC,GR5,ZP	59
31488	BOLT,HEX,3/4X4-1/2,UNC,GR5,ZP	43
31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	43
31573	BOLT,CARR,3/8X1,UNC,GR5,ZP	68
31590	CHAIN,SAFETY,ASAE,10100LB,5'4"	60
31593	CLIP,AUTOMOTIVE,1/4,GR5,ZP	54
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	45
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	54
31613	TIE,CABLE,NYLON,BLACK,11 1/2"	64
31649	ELEC,CLAMP,CABLE,1/2	53
31650	ELEC,CLAMP,CABLE,3/4	48
31650	ELEC,CLAMP,CABLE,3/4	54
31668	WASHER,SPRING,3/4,342	33
31739	RIVET,ST,3/16x.565,.375 HEAD	41
31741	BOX,CARDBOARD,21X4X4	53
31743	BOX,CARDBOARD,5X5X5	60
31781	BOLT,HEX,3/8X3-1/2,UNC,GR5,ZP	68
31801	JACK MOUNT ASSY	50
31809	PIN,SPRING,3/32X5/16	41
31810	GRIP,HANDLE,1-1/4IDX4-1/2	41
31813	PIN,QUICK RELEASE,1/2X3,ZP	48
31814	CLIP,GRIPPER,1 - 1-1/2	41
31853	ELEC,PLUG,STOP/TURN,RIGHT ANGL	55
31861	HITCH,BASE,3 IN 1	50
31862	CLEVIS,HITCH,3 IN 1	59
31894	RETAINER,BOLT,1/2	31
31897	SUSP,RIM,W14CX16.1,+1.12,6,WH	62
31951	ELEC_LIGHT,AMBER,4DIA,S/T/T	54
31952	ELEC_LIGHT,RED,4DIA,S/T/T	54
31953	GROMMET,LIGHT,4X4-1/2	54
31954	HYD,HOSE,1/2X120,8MP-8FJX,2W	32
31954	HYD,HOSE,1/2X120,8MP-8FJX,2W	72
31955	HYD,HOSE,3/8X40,8FJX-8FJX,2W	52
31956	HYD,HOSE,3/8X56,8FJX-8FJX,2W	32
31958	HYD,HOSE,1/2X36,8FJX-8FJX,2W	32
31959	SPRING,1.5X2.38X0.12	41
31961	HYD,HOSE,1/2X52,8FJX-8FJX,2W	32
31962	HYD,HOSE,3/8X36,8FJX-8FJX,2W	52
31965	HYD,VALVE,DOUBLE_SELECTOR	68
31976	ELEC,HEAT_SHRINK_TUBE,DUAL_WALL,1/4X48	55
31976	ELEC,HEAT_SHRINK,DUAL_WALL,TUBE,1/4X48	55
31977	ELEC,CONN,BUTT,16-14GA,NON_INSULATED	55
31978	ELEC,CONN,BUTT,12-10GA,NON_INSULATED	55
31987	NUT,COUPLING,1/2,UNC,ZP	43
32082	HYD,FIT,ADAPTOR,8MP-8MP	60
32296	CAP,DUST	63
32299	BRG,RACE,OUTER	63
32300	BEARING,OUTER	63
32301	SUSP,BOLT,WHEEL,9/16X1-1/4	63
32305	BEARING,INNER	63
32306	SEAL,GREASE	63
32312	HUB,H614	63
32639	BEARING,THRUST,FRONT	34
32643	ROTOR KIT	34
32647	SEAL KIT,ROLLER STATOR	34
32649	BEARING,HOUSING,REAR,1/2	34
32650	BEARING,HOUSING,FRONT	34
32651	BEARING,THRUST,REAR	34
32653	SHAFT KIT	34
32655	BOLT KIT	34
32722	DRIVE LINK KIT	34
32725	MANIFOLD (CW)	34
32726	BALANCE PLATE & BALLS	34
32727	END COVER	34
32794	PIN,SPRING,5/16x3	41
32975	HYD,VALVE,CONTROL,FLOW,8FP	60
32981	DECAL,PIMA	24
32981	DECAL,PIMA	47
32998	SPRING,1.5X2.50X0.135	68
32999	SPRING,1.25X2.31X0.148	68
33147	HYD,HOSE,1/2X108,8MP-8FJX,2W	64
33148	HYD,HOSE,3/8X180,8MP-8FJX,2W	64
33149	HYD,VALVE,FLOW_DIVIDER	34
33169	PLUG,PLASTIC,TAPERED,1-1/16"	34
33171	HYD,HOSE,3/8X48,8FJX-8FJX,2W	45
33211	HYD,FIT,VENT,8MB	45
33224	HYD,FIT,ADAPTER,8MB-8MJ,031ORIFICE	52
33328	HYD,HOSE,3/8X102,8MP-8MJ,2W	45
33343	HYD,MOTOR,32,2000	34
33449	BOLT,CARR,3/4x2-1/4,UNC,GR5,ZP	34
33562	WASHER,SPRING,1/2,517	38
33566	HANDLE RETAINING RING	51
33567	MACH BUSH; 9/169X1X18GA	51

33568	FLANGED HANDLE BUSHING	51
33569	SIDE WIND HANDLE	51
33570	BEVEL GEAR SET	51
33653	HOUSING KIT	34
33655	BEARING,CARTRIDGE,FLANGE,1-3/4"	31
33655	BEARING,CARTRIDGE,FLANGE,1-3/4"	34
33678	BOLT,CARR,1/2X1-3/4,UNC,GR5,ZP	34
33696	BOLT,CARR,5/8X3-3/4,F,GR8,BLK	31
33736	WASHER,FLAT,5/8SAE,ZP	48
33737	JACK,5000LBX15,SQMT,SW,DYNA	50
33783	BOX,FOL,12X12X12	64
33791	HYD,HOSE,1/2X48,8FJX-8FJX,2W	72
33796	OUTER GUARD	46
33797	INNER GUARD	46
33806	CENTER HOUSING	46
33811	NYLON REPAIR KIT	46
33812	J&S HALF ASM W/FULLGUARDSET	46
33814	ROTATING GUARD SET	46
33855	BALL SHEAR ASSEMBLY	46
33856	SSL/AUTO LOK REPAIR KIT	46
33873	PIN,HITCH,.2X3.625,DBL_LOOP,ZP	39
33880	SUSP,TIRE,16.5LX16.1,ANS,6PLY	62
33899	HYD,HOSE,3/8X150,8FJX-8FJX,2W	45
33904	DRV,DL,CV,35R,CAT4,ROT,SL	46
33921	BOLT,HEX,1/2X3,UNC,GR5,ZP,FT	34
33921	BOLT,HEX,1/2X3,UNC,GR5,ZP,FT	48
33923	HYD,HOSE,1/2X30,8FJX-8FJX,2W	72
33925	HYD,CYL,SEALKIT,3-1/2X10,HS	48
33926	HYD,CYL,ROD,1-3/4X10,HS	48
33956	J&T W/GUARD - HALF ASM	46
37686	ELEC,PLUG,2_POLE,10GA	55
37980	ELEC,WIRE,14GA,STAND,BLACK	55
37981	ELEC,WIRE,14GA,STAND,WHITE	55
37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	24
37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	47
37998	BOLT,CARR,1/4X3/4,UNC,GR5,ZP	54
42159	WLDT,HANDLE,BOTTOMDD	38
45185	PIN, CYL, TOP	48
45222	SUSP,TIRE,11LX15FI,6PLY	61
45223	SUSP,WHEEL,15X9LB,1.12OFF,6	61
45293	WLDT,FRAME,LIFT	48
45294	WLDT,MOUNT,FORK,LT	48
45295	WLDT,MOUNT,FORK,RT	48
49204	ELEC,LIGHT,12V,REWORKED	53
49205	ELEC,HARNESS,LIGHT,OPTIONAL	53
49280	WLDT,BAR,ADJ,GUARD,FLAIL	33
49283	WLDT,PLATE, BEARING, FRONT	31
49330	WLDT,TUB,BP	43
49331	WLDT,FRAME, BP	43
49357	ASSY,TWINE CUTTER HANDLE	41
49358	WLDT,TWINE CUTTER HANDLE	41
49363	WLDT,DEFLECTOR,BALE	37
49364	ELEC,HARNESS,LIGHT,BP	54
49397	WLDT,SELECTOR,SHIELD	68
49420	ELEC,HARNESS,TRACTOR_RFLIGHT	53
49506	ASSY,FEEDROLLER,6'	34
49507	WLDT,FEEDROLLER,6'	35
49514	WLDT,ROD,PUSH	43
49515	WLDT,SCREEN	37
49519	HYD,CYL,3.5X10,CLVXTUBE,8FBIL	48
49522	WLDT,PIN,ANTIROTATE,1-1/2DIA,6	48
49553	WLDT,DRUM,FLAIL,BP8	31
49559	ASSY,FLAIL DRUM,COMPLETE	31
49562	WLDT,HANDLE,ADJUSTMENT	33
49574	WLDT,MOUNT,TWINE/BEARING	34
49577	WLDT,GUARD,ROD	43
49586	WLDT,HOLDER,CV	50
49596	ASSY,ROD,SELECTOR	66
49675	WLDT,BOLT,BEARING	31
49677	WLDT,LOCK,DOOR,PINNED	39
49859	ASSY,AXLE, ADJUST,S614	43
49864	ASSY,HYD,SELECTOR	66
49870	ASSY,AXLE, ADJ,S614,XL	43
49892	WLDT,DOOR, DISCHARGE, BOTTOM	38
49893	WLDT,DOOR,DISCHARGE	39
49894	WLDT,PIN, ADJUSTMENT,FGR	33
49897	WLDT,FORK,LEFT	48
49898	WLDT,FORK,RIGHT	48
49899	WLDT,PIN,FORK,1-1/4DX4-7/16U	48
49929	WLDT,GUARD,DRIVELINE	46
49930	WLDT,GUARD ROD,FORMED	33
90104	HYD,CYL,2X8,1.125,8FB,90D	39
91048	SUSP,STEM,VALVE,TR801HP	61
91048	SUSP,STEM,VALVE,TR801HP	62
92028	SIGN,SLOWMOVING,S276.5	24
92028	SIGN,SLOWMOVING,S276.5	47
92127	COVER,VINYL,3/8X1-1/2	33
92127	COVER,VINYL,3/8X1-1/2	38
92143	ELEC,LOOM,1/2,SPLIT,CORRIGATED	55
92153	ELEC,WIRE,16,GREEN,STRAND	55
92154	ELEC,WIRE,16,YELLOW,STRAND	55
92155	ELEC,WIRE,16,BROWN	55
92170	TIE,CABLE,4",BLACK	55
92573	DECAL,WARNING,DISCHARGE	24
92573	DECAL,WARNING,DISCHARGE	47
33927(22.7)	DECAL,PSTRP,22.7,BLK,1	24
33927(22.7)	DECAL,PSTRP,22.7,BLK,1	47
E2083	PIPE,DOM,1x.180x2-1/8L,HARD	31
E3581	BELTING,ROLLER,FEED,14 HOLE	35
E3669	SHAFT,1/2x1	54
E3714	FLAIL,2X5-1/2	31
E3834	DECAL,DANGER,DO NOT STAND	24
E3834	DECAL,DANGER,DO NOT STAND	47
E5018	BELTING,DISCHARGE	39
E5553	CLAMP,HOSE,HYD	48
E5673	BRACKET,MOUNT,LIGHT	53

E5838	BLADE,TWINE CUTTER	41
E5857	DECAL,TWINE CUTTER	24
E5857	DECAL,TWINE CUTTER	47
E5868	DECAL,LOCK,CYLINDER	24
E5868	DECAL,LOCK,CYLINDER	47
E6105	DECAL,WARNING,CV ANGLE	24
E6105	DECAL,WARNING,CV ANGLE	47
E6150	PLT,C,1/4x13/16x2-1/4	60
E6259	MOUNT,LAMP,GROMMET,2X4-1/2	54
E6264	PLT,INDICATOR,SELECTOR	68
E6327	BUSHING,SELECTOR	68
E6328	REFLECTIVE,TAPE,SELECTOR	68
E6526	PLT,SCRAPER,RUBBER	35
E6546	ANGLE,BRIDLE,HITCH,LT	50
E6653	PANEL,DISCHARGE,FALSE	39
E6665	CLIP,PLATE,ADJUSTMENT	34
E6699	PLT,MOTOR,MOUNT	34
E7327	LUG,ADJUST,FEEDROLL	34
E7426	LUG,OFFSET,DEFLECTOR	39
E7504	PIPE,SMLS,7/8X.188X7/8L	68
E7552	DECAL,WARNING,OWNERS_MANUAL	24
E7552	DECAL,WARNING,OWNERS_MANUAL	47
E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	24
E7553	DECAL,WARNING,STOP_ENGINE/SERVICE	47
E7572	DECAL,CAUTION,JACK,5000LBS	24
E7572	DECAL,CAUTION,JACK,5000LBS	47
E7753	PLT,S,COVER	41
E7831	PIPE,SMLS,2-1/4X.240X1/2L	46
E7833	LOCK,SHAFT	41
E8383	LOCK,DOOR,LONG	39
E8493	DECAL,HIGHLINE,BALE_PRO,68X8	24
E8493	DECAL,HIGHLINE,BALE_PRO,68X8	47
E8494	DECAL,8000,BP,31x11-3/16	24
E8494	DECAL,8000,BP,31x11-3/16	47
E8497	DECAL,GREASEZERK,100H	24
E8497	DECAL,GREASEZERK,100H	47
E8544	LOCK,CYL,1-3/4X10	48
E8573	ANGLE,DOOR,DISCHARGE	39
E8584	PLT,COVER,SHAFT	31
E8590	DECAL,GREASEZERK,50H	24
E8590	DECAL,GREASEZERK,50H	47
E8591	DECAL,GREASEZERK,10H	24
E8591	DECAL,GREASEZERK,10H	47
E8592	DECAL,ADJ,FGR	24
E8592	DECAL,ADJ,FGR	47
E8601	PLT,TUBE,CLAMP	48
E8610	PIPE,SCH40,3/4x5/8L	39
E8611	ARM,OFFSET,DOOR	39

7.0 Specifications

Minimum Horse Power:	85 HP
Capacity:	2 bales - 6' long x 6' diameter - max. 2000 lbs each
Flail Drum Length:	71"
Flail Drum Diameter:	26 - 3/8" Balanced
Flails:	26 - 2" x 5 1/2" Tempered Spring Steel
Tires:	2 - 11L X 15 Highway Service (Inflate to 45 psi)
Floatation Tires (Optional):	2 - 16.5LX 16.1 Softrac (Inflate to 24 psi)
Height:	104 - 1/2" (Fully Assembled)
Width:	102-3/4" w/deflector door in transport position - no belting installed.
Length:	205 - 1/4" w/ forks lowered 176 - 3/4" w forks fully raised
Weight:	3741 lbs
Hitch Weight (Empty):	1246 lbs
Drawbar Weight (with bale in chamber):	2516 lbs
PTO Requirements:	1000 RPM PTO
Dual Hydraulics:	Dual remote, 2000 psi
Cylinders:	2 - 3 1/2" x 10", 1 3/4" Rod Diameter

Dealer Information

Dealer: _____

Address: _____

City: _____

Province / State: _____

Postal Code / Zip Code: _____

Phone: _____

Identification Numbers

Model Number: _____

Serial Number: _____

Dealer Checklist

Options: **BPOLT-6 _____ BPORFL-6 _____ BPORHD-6 _____ BPOEH-6 _____ BPOFC-6 _____ BPOHC-6 _____**
BPOMAV-6 _____ BPOST-6_____ BPOSC-6_____ BPO3RH-6 _____

N/A	✓	**PACKAGING LIST**
		1-49897 Fork,Left and 1-49898 Fork,Right
		2-49363 Wldt,Deflector,Bale 4 - 31020 Bolt, Hex, 1/2X2-3/4, GR5 4 - 31173 Nut, Nylock, 1/2 4 - 31236 Washer Flat 1/2
		1-E5018 Belting,Discharge, 1-E8573 Angle door discharge
		Mount 49515 Screen,Spill 2 - 31018 Bolt Hex 1/2X2-1/2 GR5 2 - 31236 Washer Flat 1/2 2 - Nut, Nylock, 1/2
		10 - 31479 BOLT,HEX,3/8X1-1/4,UNC,GR5,ZP 14 - 31176 NUT,NYLOCK,3/8,UNC,ZP
		1 - 45295 WLDT,MOUNT,FORK,RT 1 - 45294 WLDT,MOUNT,FORK,LT 2 - E8601 PLT,TUBE,CLAMP
		12 - 31052 BOLT,HEX,5/8X2,UNC,GR5,ZP 12 - 33736 WASHER,FLAT,5/8SAE,ZP 12 - 31178 NUT,NYLOCK,5/8,UNC,ZP
		E7381 PTO Spacer for left hand only
		2 - 49899 WLDT,PIN,FORK,1-1/4DX4-7/16U 2 - 31183 PIN,COTTER,3/16X2
N/A	✓	**Check List Item**
		Ensure bale forks are installed on the lift assembly as per assembly #49352.
		Rotate hitch bridle and tongue from shipping format. Place the top of the bridle links flush with the frame.
		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 movement of selector rod. Refer to Assembly Drawing 49596 and related manual information
		Transport lock for deflector door is installed and functional. Ensure clevis adjustment bolt is positioned down.
		Position feed rollers, using middle hole of lug adjust plate. Plate #E7327
		Ensure all grease points are lubricated and grease point decals installed
		Ensure bale lift assembly is against frame when cylinders are retracted.
		Guards installed on exposed rotating shafts (i.e. rotor, feed rollers). Also if needed plastic plugs on the feed rollers
		Safety decals & reflective stripes installed per specifications and drawings.
		Check tire pressure. (11LX15 - 45 PSI cold or 16.5LX16.1 - 24 PSI cold)
		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.
		Ensure twine cutter is secured in storage position.
		Full library of manuals (operators, and parts) shipped with machine (When applicable).
		Right hand gear box - check oil level, add if necessary.
N/A	✓	**OPERATIONAL CHECK**
		- Feed rollers activate (when dump is up)
		- Discharge door activates (when dump is down)
		- Feed rollers turn clockwise and counterclockwise - but both turn in the same direction.
		- Ensure free movement of Bale Processor forks through full range of operation.
		- Ensure cylinder transport lock fits with forks in transport position.
		- Hydraulic motors to be operated and checked for leaks and free movement.
		- Cycle bale lift cylinders a minimum of 3 times, check for leaks and clearance problems.
		- Dump - contacts frame with cylinders fully retracted
		- Test clearance lights - if equipped

Signature: _____ Date: _____