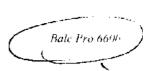
1996 MODEL
PARTS
HIGHLINE MFG.

## BALE PRO 6600

## Assembly-Operator Parts Manual



#### Warranty

High-Line Mfg. Inc. warrants its products to the original owner for a period of two years from date of purchase, subject to the following provisions:

•1st year

Parts & Labour

•2nd year

Parts Only

- All matters related with the warranty of products must be handled through an authorized High-Line Manufacturing dealer.
- Any labour subject to warranty must be authorized by a High-Line Mfg. Inc. Representative, before work is started.
- Machines used for rental, custom work, industrial or construction use will be warranted for a period of 30 days from date of purchase. (Parts and Labour)
- Warranty will be void if any component of this machine is altered or modified in any
  way, unless written permission is given by High-Line Mfg. Inc.
- High-Line Mfg. Inc. will not assume any responsibility for whatever damage may occur to equipment to which this machine may be attached.
- •Warranty terms and conditions are subject to provincial and state legislation.

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#### 2. President's Message

Congratulations on your purchase of the Bale Pro 6600! Bale Pro, a new name in livestock feed handling equipment, is manufactured by Highline Manufacturing Inc. A company with a manufacturing team that has 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 6600. In it you will find safety procedures, maintenance routines and detailed parts diagrams.

The Bale Pro 6600 was designed for controlled, more aggressive processing with less bunching. A little time and effort spent in proper maintenance will increase the performance and durability of your bale processor.

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

Should the need arise, this manual will assist you in acquiring replacement parts. Should your dealer not have the parts you require in stock, the dealer will be happy to order them for you. Also if you should find that you require information not covered in this manual, feel free to consult us or your local dealer.

Highline Manufacturing Inc. thanks and congratulates you for selecting a Bale Pro 6600 as the machine of your choice.

Sincerely,

May 1 D

Raymond J. Bussière, President

#### 3. Safety Precautions

#### WORK SAFELY - FOLLOW THESE RULES

#### 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 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 PTO is on. Disconnect PTO before unplugging or adjusting processor.
- Always keep safety PTO 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 processor while loading bales.

#### 4. Controls

Before operating the Bale Pro 6600, be sure to review all the instructions and familiarize yourself with the processor's features.

1. Discharge chute adjustment handle.

For feeding place down and for spreading bedding position up.

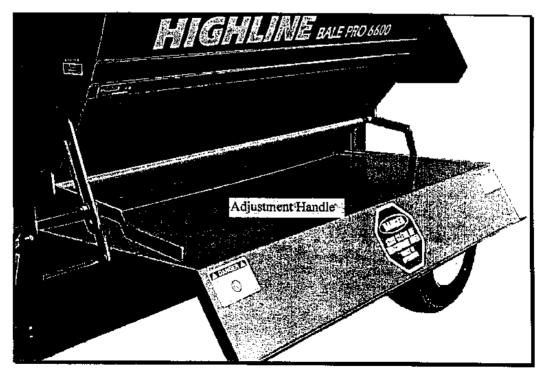


Figure 1 Discharge Chute

#### 2. Feeder drum height adjustment.

Using the feeder adjustment screws to change height of feeder drum changes the amount of bite taken from the bale. To avoid unnecessary strain on the motor take care to keep the drum level.

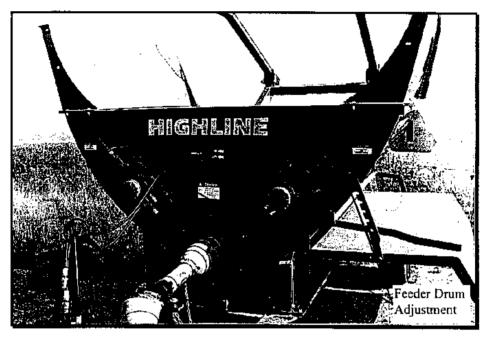


Figure 2 Feeder Drum

#### 3. Flail drum rod height adjustment.

Insert spacers provided to raise height of flail bar. This reduces the amount of bite taken from the bale.

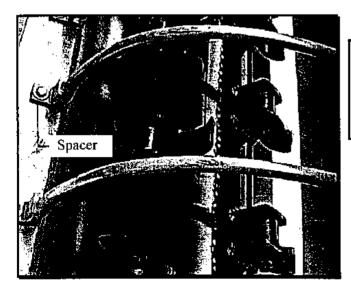


Figure 3 Flail Drum

#### Note:

Twine must be removed from the flail drum at least every 50 bales.

- 4. Flail drum activated through PTO control in your tractor.
- Feeder drum and fork lift operated through the hydraulic control in your tractor.

#### 5. Maintenance

Please follow these maintenance steps, to ensure trouble free operation of your Bale Pro 6600.

#### PTO Installation

Ensure that the U-joint cross on the front PTO shaft (A) is in line with the U-joint cross on the secondary PTO shaft (B). See Figure 4.

#### Lubrication

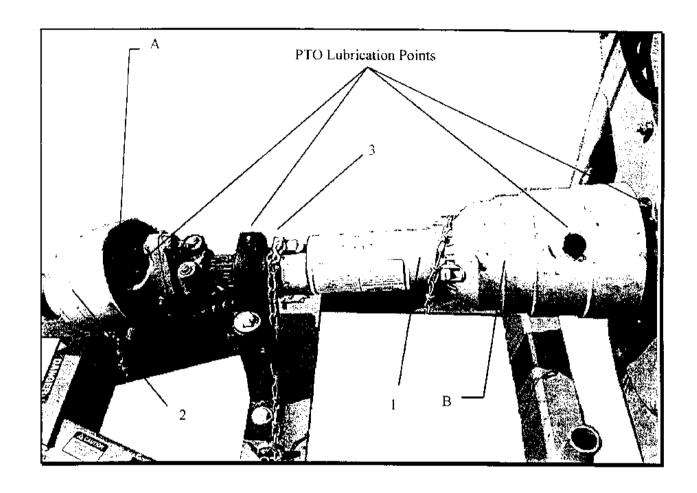
Maintaining proper lubrication of the Bale Pro 6600 is crucial for trouble free operation. Figures 4, 5 and 6 show 12 points which require regular greasing. Below is a list of the lubrication points and the frequency of greasing of these points.

١. PTO Shaft-front 7. Fork Pivot shaft-left 2. PTO Shaft-rear 8. Fork Pivot shaft-right Grease every ten bales. Grease every one hundred bales. 3. PTO Extension Shaft Bearing 9. Tire Hub-left Grease every fifty bales 10. Tire Hub-right 4. Feeder Drum bearing-right Greasing dependent upon travel 5 Feeder Drum Bearing-left 11. Fork-left Grease every fifty bales. 12. Fork-right 6. Flail drum bearing Grease every one hundred bales.

<u>Note</u>: Use low-temperature grease when the temperature reaches below 0 degrees Celsius (32 degrees Fahrenheit)

Grease every fifty bales.

Figure 4 PTO Installation & Lubrication



# ENSURE THAT THE U-JOINT CROSS ON THE FRONT P.T.O. SHAFT IS IN LINE WITH THE U-JOINT CROSS ON THE SECONDARY P.T.O. SHAFT.

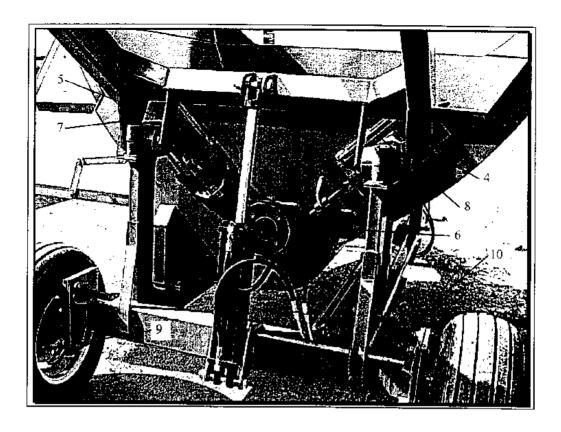


Figure 5 Assorted Lubrication Points

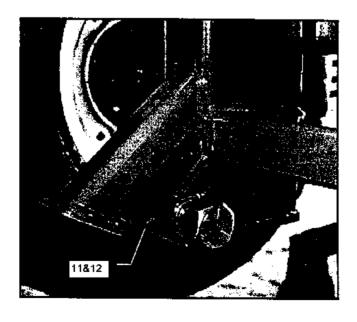


Figure 6 Fork Lubrication Points

#### General

Flail bolts should be tightened after the first ten bales then rechecked after approximately 200 bales, Figure 7. If twine is not cut from the bale before processing, it will wrap around the flail drum. Periodic removal of this twine is required to allow free movement of the flail. If a flail requires replacing, also replace the opposite flail to keep the drum in balance.

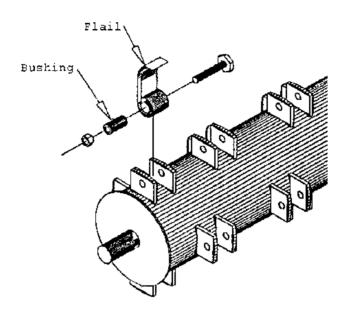


Figure 7. Flail Drum

#### Note:

Check the space between the frame and the hydraulic cylinder <u>daily</u> to ensure that it remains unclogged. (Figure 8)

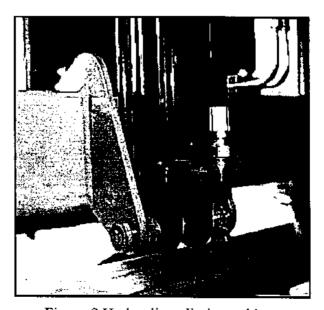


Figure 8 Hydraulic cylinder and lugs

#### 6. Operating Instructions

Successful operation of the Bale Pro 6600 is dependent upon the quality of the bale, height of the feeder drum and flail guard and also on the operator. The following steps ensure proper operation.

- 1. Before loading bale, engage PTO drive to check the flail drum if it is operating adequately. Start feed rollers using the hydraulies and check if the feed rollers turn clockwise and counter clockwise. If your tractor has hydraulic flow control, alter flow so the feed rollers rotate at an adequate speed for the conditions of your bales.
- 2. To load, lower forks **completely** and back up to bale **slowly**. Raise forks until 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 on the forks while one is shredded, raise the forks approximately to a 45° angle to reduce pressure on the hydraulic cylinder lift. 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 as it was baled, the hay/straw will generally come off in layers. If the bale is shredded in the opposite way, feeding may be uneven.
- 3. Before engaging flail drum, check that the forks are not interfering with the rotating bale and position the discharge deflector for your application. For spreading bedding the deflector is placed up and for feeding in rows the deflector is placed down.
- 4. When ready, rotate feed rollers in one direction before starting the flail drum. Once the PTO is engaged, increase engine speed until the PTO rotates at 1100 rpm. 1100 rpm is a recommended flail drum operating speed however this varies depending upon the bale quality, hay/straw type and weather. In most cases the feed drums need to be turning periodically to prevent the flail drum from overloading.

- 5. If the feed rate is too fast, three items may be changed.
  - a. Decrease tractor RPM, however make sure the flails remain extended so they don't "back slap" on the drum. Severe damage may occur if the flails repeatedly hit the drum.

b. Raise feeder drum using adjusting bolts on the front and rear side of the processor (Figure 9 below). This decreases the amount the flail penetrates the bale.



Figure 9

c. Raise flail guard bars using spacers (Figure 10). This raises the bale decreasing the amount the flail penetrates the bale.

#### In all three cases, do not allow the flail to "back slap" on the drum.

- 6. If the feed rate is too slow, the same three items may be altered however "back slap" may occur if the feed rate is too high.
- 7. If the bale quits turning or straw bunches up one side, reverse feed drums in opposite direction and periodically alternate direction. If the bale is loaded on end rather than on its side, it is better to keep reversing the feed drums back and forth to prevent spillage.
- 8. Before stopping PTO, idle tractor down to reduce flail "black slap".

WARNING: Warranty will be void if any component of this machine is altered or modified in any way, unless written permission is given by Highline Mfg. Inc.

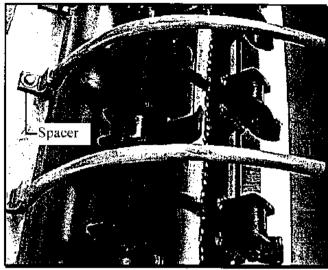


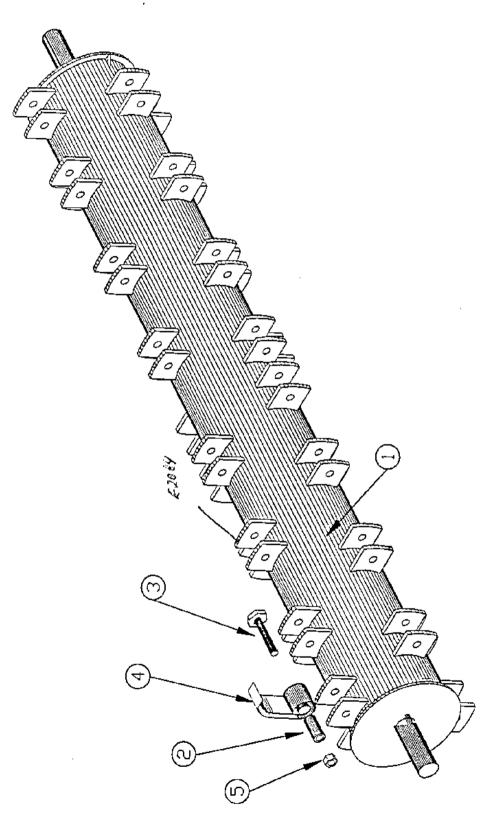
Figure 10

#### Operating Notes

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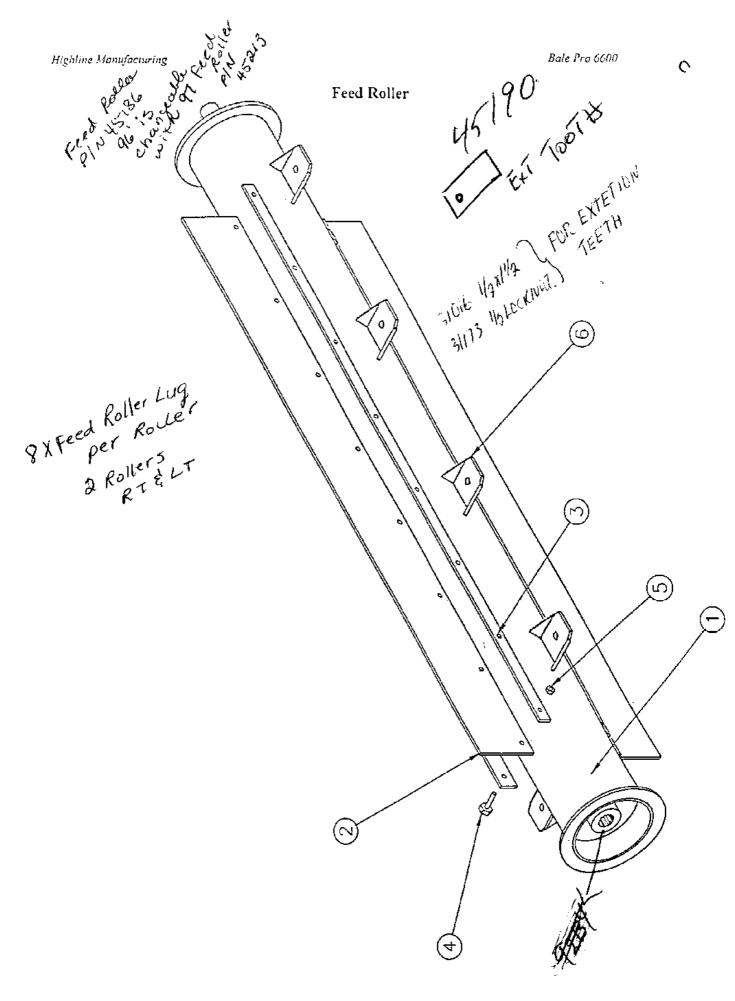
### 7. Assembly & Installations Flail Assembly



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| Item No. | Part No. | Description                 |
|----------|----------|-----------------------------|
| 1        | 45165    | Flail Drum 6600 Model       |
| 2        | 45072    | Flail Bushing               |
| 3        | 45099    | 5/8" x 3-3/4" UNF GR 8 Stud |
| 4        | 45075    | Flail                       |
| 5        | SLNF10   | 5/8" UNF Locknut            |
| 6        | 45146    | Flail Drum Complete         |

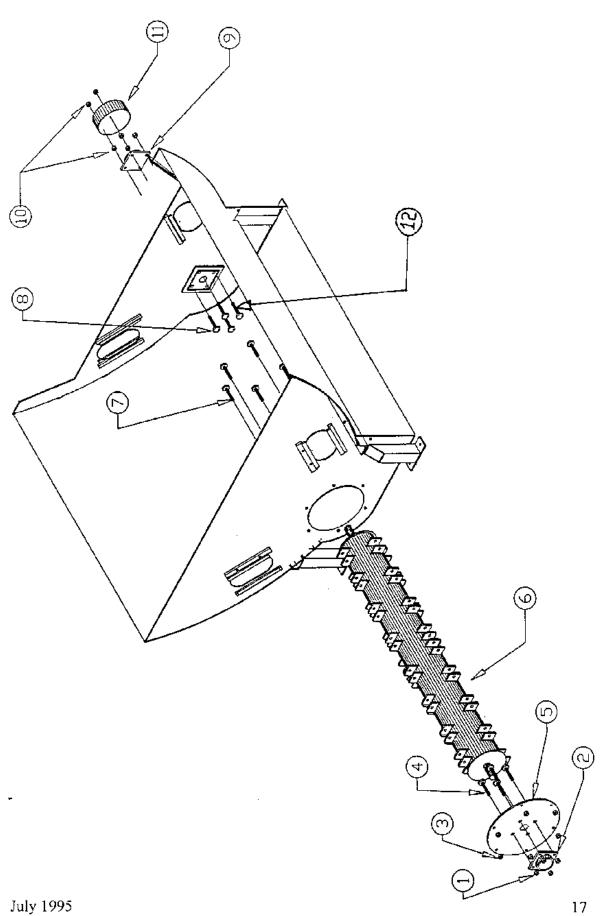
NOTE: If a flail requires replacing, also replace the opposite flail to keep the drum in balance.



| ltem No. | Part No. | Description                 |
|----------|----------|-----------------------------|
| 1        | 45186    | Feed Drum Complete          |
| 2        | 45155    | 3/8"x5"X55" Belting         |
| 3        | 45156    | 1/4"x1"x55" Back Plate      |
| 4        | B5C0524P | 5/16"x1 1/2" Bolt UNC Gr. 5 |
| 5        | LNC05    | 5/16" UNC Lock Nut          |
| 6        | 45154    | Feed Roller Lug             |

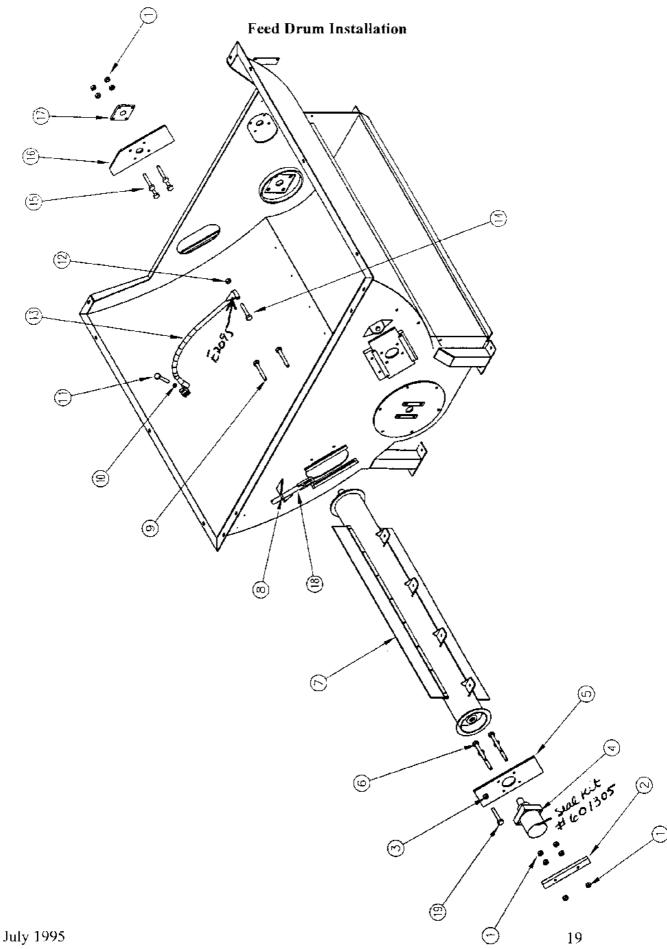
Simple Broken

#### Flail Drum Installation



Highline Manufacturing

| Item No. | Part No. | Description                   |
|----------|----------|-------------------------------|
| 1        | SLNC10   | 5/8" Stover Locknut           |
| 2        | 92091    | 1-3/4" Flange Bearing         |
| 3        | LNC08    | 1/2" Locknut                  |
| 4        | C5C1040  | 5/8"x2-1/2" UNC Carriage Bolt |
| 5        | 45089    | Flail Drum Mounting Plate     |
| 6        | 45146    | Flail Drum Complete           |
| 7        | B5C0824P | 1/2"x1-1/2" UNC GR 5 Bolt     |
| 8        | C5C1048  | 5/8"x3" UNC Carriage Bolt     |
| 9        | 92091    | 1-3/4" Flange Bearing         |
| 10       | SLNC10   | 5/8" Stover Locknut           |
| 11       | 45135    | Rear Bearing Guard            |
| 12       | C5C1040  | 5/8"x2 1/2" UNC Carriage Bolt |



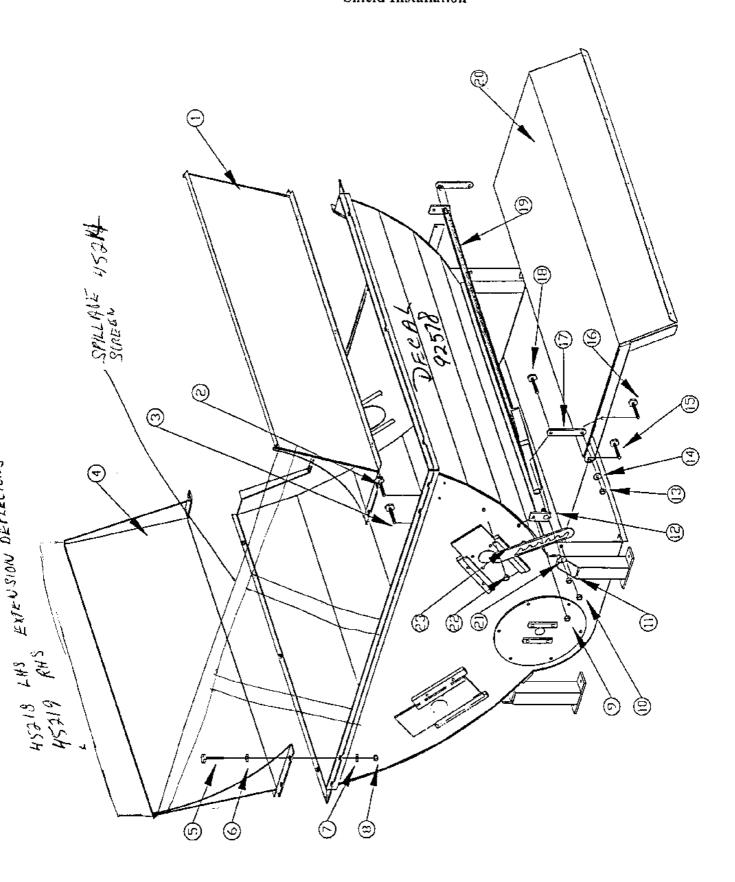
| Item No. | Part No.       | Description                |
|----------|----------------|----------------------------|
| 1        | LNC08          | 1/2" Lock Nut              |
| 2        | 45158          | Motor Slide Plate Retainer |
| 3        | NC16P          | I" Nut                     |
| 4        | 92 <b>(</b> 45 | Hydraulic Motor            |
| 5        | 45124          | Feed Roller Motor Mounts   |
| 6        | B5C0840P       | 1/2"x2-1/2" UNC GR 5 Bolt  |
| 7        | 45186          | Feed Roller                |
| 8        | NRAHCME16      | 1" ACME Right Hand Nut     |
| 9        | B5C0828P       | 1/2"x1-3/4" UNC GR 5 Bolt  |
| 10       | FW08           | 1/2" Flatwasher            |
| 11       | B5C0856P       | 1/2"x3-1/2" UNC GR 5 Bolt  |
| 12       | LNC09          | 9/16" Locknut              |
| 13       | 45159          | Flail Guard Rod            |
| 14       | B5C0964P       | 9/16"x4" UNC GR 5 Bolt     |
| 15       | B5C0828P       | 1/2"x1-3/4" UNC GR 5 Bolt  |
| 16       | 45123          | Feed Roller Bearing Mount  |
| 17       | 92094          | 1-3/8" Flange Bearing      |
| 18       | 45127          | Feed Drum Adjusting Rod    |
| 19       | B5C1624P       | 1"x1-1/2" UNC GR 5 Bolt    |

HUB SPLINED 20 701028 OR 30274 GOBOS OR 32647 SEALKIT 21 GO1311 OR 32653 SPLINED SHAFT 22 SEAL 601314 OR 32656 23 24 601309 OR 32651 THRUST BEARING. OR 34650 TORRINGTON BEARING 25 60 130 B 26 60B07 OR 32649

BEARING.

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#### Shield Installation

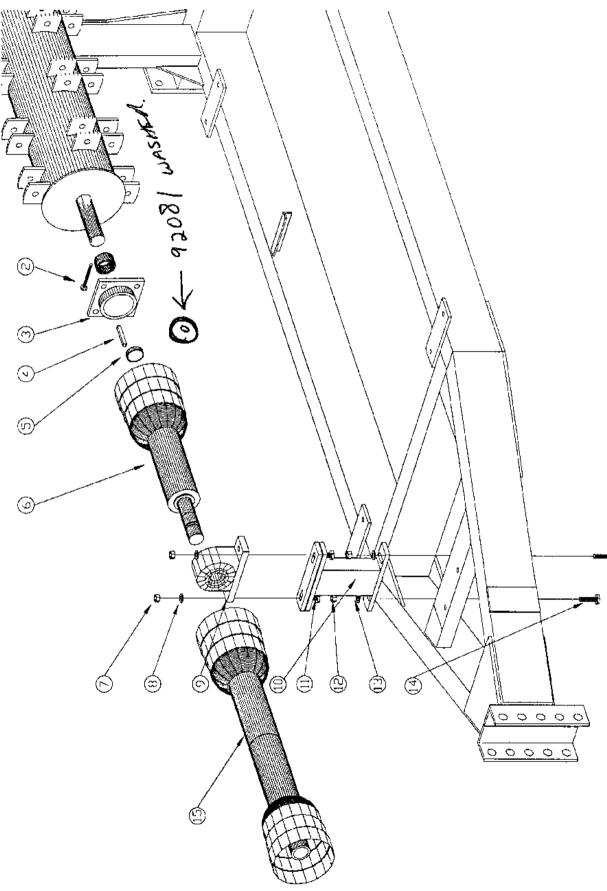


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| Item No. | Part No. | Description  |
|----------|----------|--|
| j        | 45065    | Left Bale Deflector  |
| 2 3      | C5C0824P | 1/2"x1-1/2" UNC GR 5 Carriage Bolt                                 |
|          | C5C0824P | 1/2"x1-1/2" UNC GR 5 Carriage Bolt                                 |
| 4<br>5   | 45083    | Right Bale Deflector   |
| 5        | B5C0824P | 1/2"x1-1/2" UNC GR 5 Bolt  |
| 6        | FW08P    | 1/2" Flat Washer   |
| 7        | FW08P    | 1/2" Flat Washer   |
| 8        | LNC08    | 1/2" UNC Lock Nut  |
| 9        | LNC08    | 1/2" UNC Lock Nut  |
| 10       | LNC08    | 1/2" UNC Lock Nut  |
| 11       | LNC08    | 1/2" UNC Lock Nut  |
| 12       | 45162    | Deflector Arm Pivot  |
| 13       | LNC08    | 1/2" UNC Lock Nut  |
| 14       | FW08P    | 1/2" Flat Washer   |
| 15       | C5C0824P | 1/2"x1-1/2" UNC GR 5 Carriage Bolt                                 |
| 16       | C5C0832P | 1/2"x2 UNC GR 5 Bolt Carriage Bolt                                 |
| 17       | 45164    | Deflector Link   |
| 18       | C5C0836P | 1/2"x2-1/4" UNC GR 5 Carriage Bolt                                 |
| 19       | 45160    | Deflector Shield Lever New # 45/96                                 |
| 20       | 45163    | Deflector Shield Lever New # 45/96  Discharge Deflector pivo 45/97 |
| 21       | FW08P    | 1/2" Flat Washer   |
| 22       | LNC08    | 1/2" UNC Lock Nut  |
| 23       | 45119    | Deflector Adjusting Bar  |

Highline Manufacturing Bale Fro 660%

#### PTO Installation



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| Item No. | Part No.    | Description                            |      |
|----------|-------------|--|------|
| 1        |             | Omitted                                |      |
| 2        | 801732      | 5/16" x 3" Spring Pin 52794            |      |
| 3        | 92091       | 1-3/4" Flange Bearing                  |      |
| 4        | 45170/E2976 | 3/8"x3/8"x2" Key                       |      |
| 5        | E2973       | 2-1/4OD x .240" x 1/4" Seamless        |      |
| 6        | 901154      | PTO Shaft Extension - Complete Fock 3. | 2899 |
| 7        | LNC09       | 9/16" UNC Lock Nut                     |      |
| 8        | FW09        | 9/16" Flat Washer                      |      |
| 9        | 92031       | 1-3/4" Pillow Bearing                  |      |
| 10       | 45149       | PTO Stub Stand                         |      |
| 11       | B5C0948P    | 9/16"x2-1/2" UNC Gr. 5 Bolt            |      |
| 12       | LNC09       | 9/16" UNC Lock Nut                     |      |
| 13       | FW09        | 9/16" Flat Washer                      |      |
| 14       | B5C0932P    | 9/16"x2" UNC Gr. 5 Bolt                |      |
| 15       | 901161      | PTO Shaft suplete Front 30906          |      |

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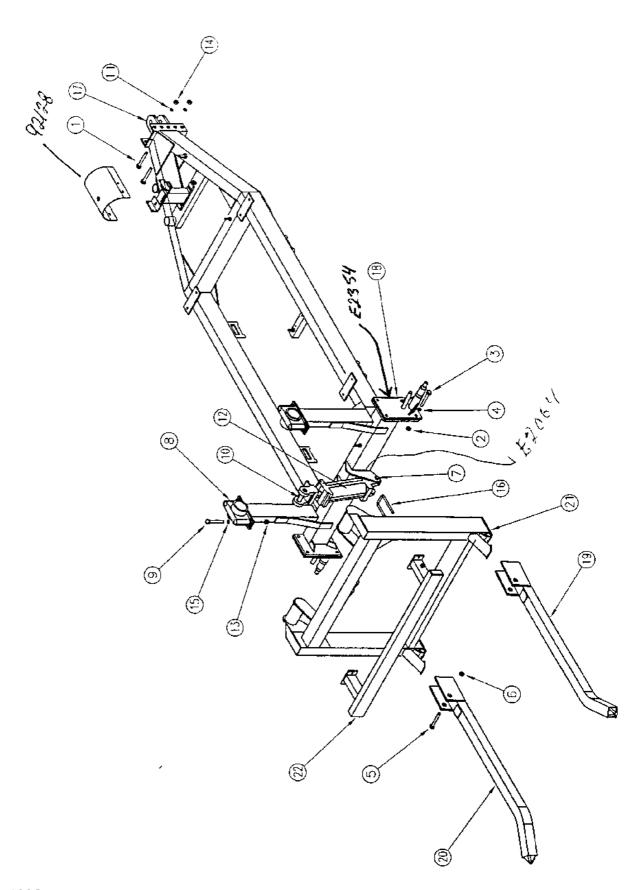
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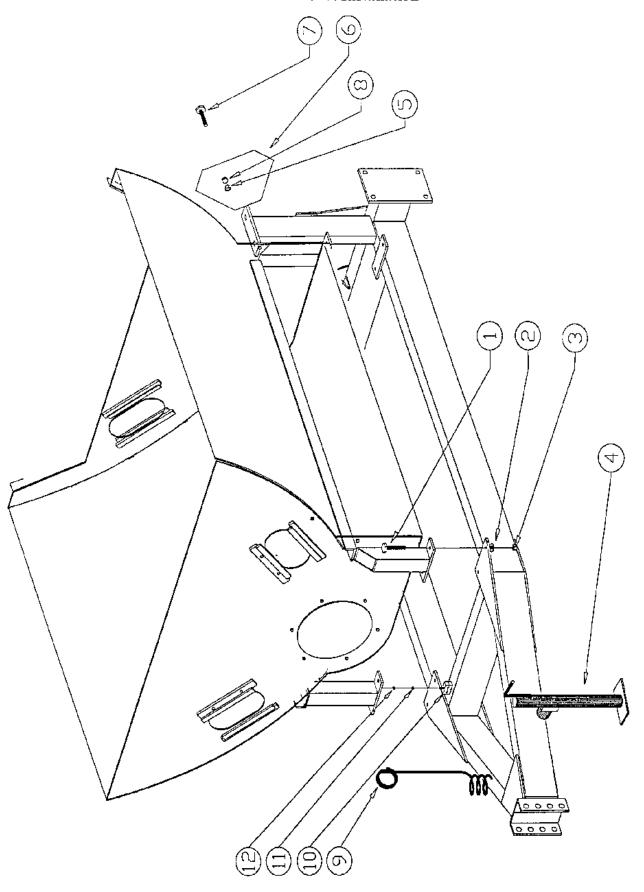
#### **Cart Assembly**



| Item No. | Part No.  | Description   |                   |
|----------|-----------|---|-------------------|
| 1        | B5C16120P | 1"x7-1/2" UNC GR 5 Bolt   |                   |
| 2        | NC12P     | 3/4" UNC Nut  |                   |
| 3        | B5C1240P  | 3/4"x2-1/2" UNC GR 5 Bolt                                       |                   |
| 4        | LW12P     | 3/4" Lockwasher   |                   |
| 5        | B5C2096P  | 1-1/4" x 6" UNC GR 5 Bolt                                       |                   |
| 6        | LNC20     | 1-1/4 " UNC Locknut   |                   |
| 7        | 45185     | Bottom Cylinder Pin 70P 3023                                    | C 130/7041 302 30 |
| 8        | 500201    | Pipe Clamp  | CROSS#37          |
| 9        | B5C1080P  | 5/8"x5" UNC GR 5 Bolt   |                   |
| 10       | 45184     | Top Cylinder Pin  |                   |
| 11       | LW16P     | 1" Lockwaher  |                   |
| 12       | 90103     | 3-1/2" x 16" Hydraulic Cylinder                                 |                   |
| 13       | LNC10     | 5/8" UNC Lock Nut   |                   |
| 14       | NC16P     | 1" UNC Nut  |                   |
| 15       | FW10P     | 5/8" Flatwasher   |                   |
| 16       | UB0848112 | 3"x7" Clamp   |                   |
| 17       | 45060     | Double Hitch Tongue   | / ///             |
| 18       | 45081     | Axle Plate and Spindle – CW Right Fork Left Fork Fork Mechanism | Hub - 194. 2      |
| 19       | 45143     | Right Fork  | out hub chara     |
| 20       | 45142     | Left Fork   | and the cruity    |
| 21       | 45079     | Fork Mechanism  | 144-90-21.4       |
| 22       | 45087     | Bumper  | , , , - , .       |

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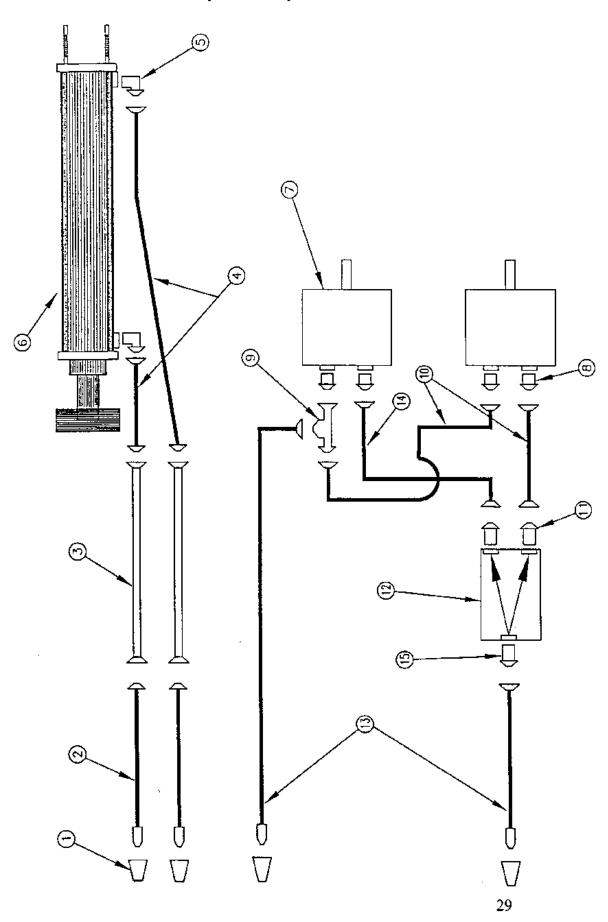
#### Tub on Cart Installation



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| Item No. | Part No. | Description                 |
|----------|----------|-----------------------------|
| 1        | B5C0824P | 1/2"x1-1/2" UNC GR 5 Bolt   |
| 2        | FW08P    | 1/2" Flat Washer            |
| 3        | LNC08P   | 1/2" UNC Locknut            |
| 4        | 92095    | 5000 lb. x 15" Hitch Jack   |
| 5        | B5C0412P | 1/4" Locknut                |
| 6        | 92028    | Slow Moving Sign            |
| 7        | B5C0412P | 1/4"x3/4" UNC GR 5 Bolt     |
| 8        | FW04     | 1/4" Flat Washer            |
| 9        | 500001   | Hose Holder 30206           |
| 10       | 801702   | Frame Hydraulic Line Clamps |
| 11       | LNC05    | 5/16" UNC Locknut           |
| 12       | FW05     | 5/16" Flat Washer           |

#### Hydraulic Layout

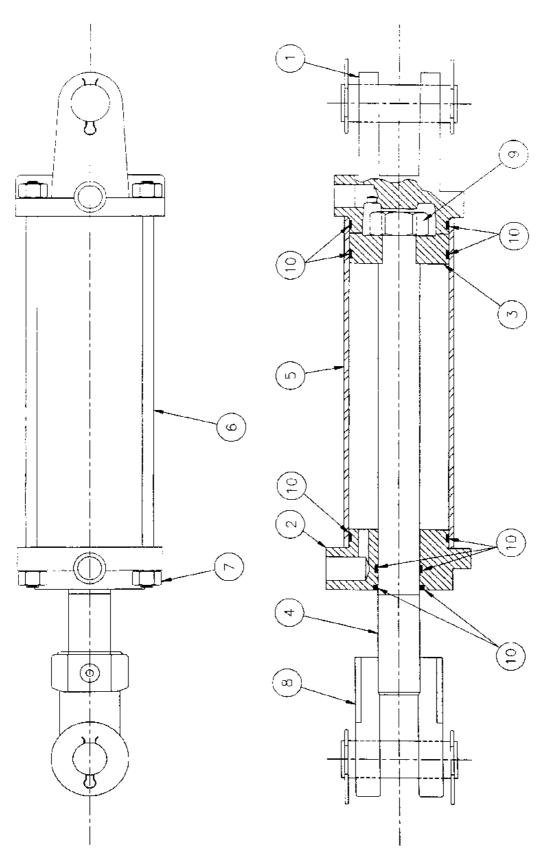


| Item No.    | Part No.    | Description                              |     |
|-------------|-------------|--|-----|
| 1           | 601217      | 1/2" Pioneer end 30209                   |     |
| <b>,</b> 2  | 601003      | 3/8"x96" 1/2" MNPT - 1/2" МЛС hose       | 325 |
| 3           | 90442       | 1/2"x108" Steel Lines                    |     |
| 4           | 90245       | 3/8"x28" 1/2" FJIC 1/2" MJIC hose        |     |
| 5           | 849FS0808   | 90 deg. 1/2" MNPT - 1/2" MJIC            |     |
| 6           | 90103       | 3-1/2" x 16" Hydraulic Cylinder          |     |
| 7           | 92145       | Hydraulic Motor RE 32070 500             |     |
| 8           | 848FS00810  | 1/2" MJIC - 7/8" MORB                    |     |
| 9           | 871FS08     | 1/2" FJIC - 1/2" MJIC - 1/2" MJIC" Tee   |     |
| <b>/</b> 10 | 90240       | 3/8"x36" 1/2" FJIC - 1/2" FJJC hose      |     |
| 11          | 848FS00806  | 1/2" MJIC -9/16" MORB                    |     |
| 12          | 92101       | Flow Divider                             |     |
| <b>4</b> 3  | 601034      | 3/8"x96" 1/2" MNPT - 1/2" FJIC hose 3260 | )   |
| <b>1</b> 14 | 90271       | 3/8"x42" 1/2" FJIC - 1/2" FJIC hose      |     |
| 15          | 849FSO0806  | 90 deg. 1/2" МЛС <b>-</b> 9/16" MORB     |     |
| Optional    | 61SA0808062 | Restrictor                               |     |

32647

SEAL KIT

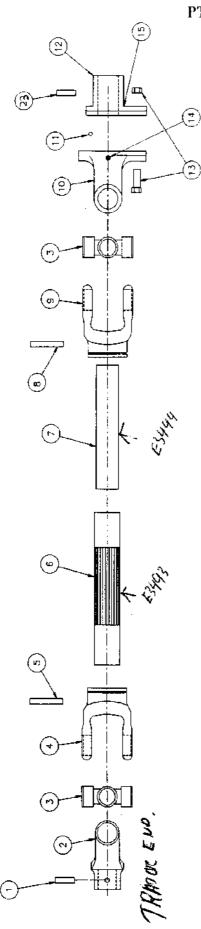
#### Cylinder Assembly

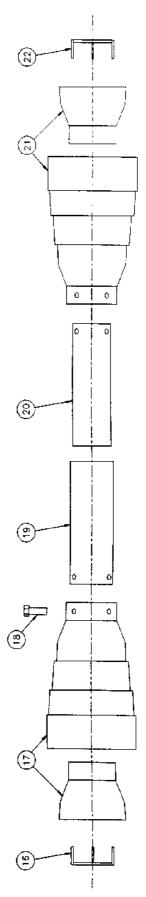


| Item No. | Part No. | Description                             |
|----------|----------|---|
| 1        | 90844    | Clevis Cap                              |
| 2        | 90845    | Rod Cap                                 |
| 3        | 90700    | Piston                                  |
| 4        | 90846    | 1-1/2" Rod                              |
| 5        | 90740    | Cylinder Tube                           |
| 6        | 90847    | 5/8" Tie Rod                            |
| 7        | 90848    | 5/8" UNF Nut                            |
| 8        | 90849    | Rod Clevis                              |
| 9        | 90722    | 1-14 UNS Nut                            |
| 10       | 90685    | Seal Kit                                |
| NA       | 90103    | 3-1/2"x16" 1-1/2" Rod Cylinder Complete |

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PTO Assembly

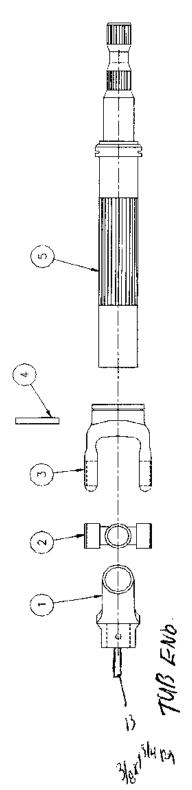


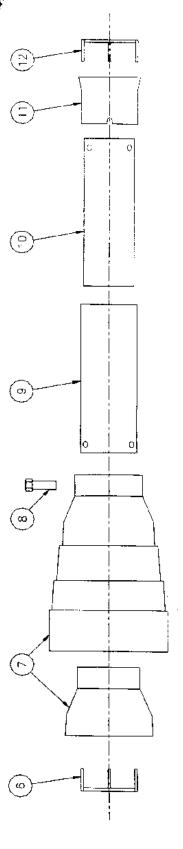


|          | pmplele PTO | 32906 OR 901161   |
|----------|-------------|---|
| Item No. | Part No.    | Description   |
| 1        | 901123      | Push Pin Set 1-3/8" 32860   |
| 2 3      | 901152      | Push Pin Yoke 113 - 32897   |
| 3        | 901118      | Cross Journal Set 32863   |
| 4        | 901119      | Outer Yoke 32 46#   |
| 5        | 901120      | Roll Pin for Outer Tube 32865   |
| 6        | 901121      | Outer Tube £3443  |
| 7        | 901122      | Inner Tube E3494  |
| 8        | 901124      | Roll Pin for Inner Tube 32869   |
| 9        | 901128      | Inner Yoke 32973  |
| 10       | 901162      | Yoke for B05 32407  |
| 11       | 901155      | Ball 5/16" 32980 (24BBLS)   |
| 12       | 901158      | Hub B05 32 403  Bolt M10x60 cl. 8.8 & Nute plant plo 33893  Grease Nipple 32401 |
| 13       | 901148      | Bolt M10x60 cl.8.8 & Nut place 010 33893  |
| 14       | 901156      | Grease Nipple 32901   |
| 15       | 901159      | Complete Shear Bolt B05 32404   |
| 16       | 901136      | Guard Retaining Collar for Outer Tube 32881                                     |
| 17       | 901163      | Cone for Outer Tube 32406   |
| 18       | 901137      | Bolt 32,982   |
| 19       | 901164      | Outer Shield 32407  |
| 20       | 901165      | Inner Shield 329/0  |
| 21       | 901166      | Cone for Inner Tube 329//   |
| 22       | 901143      | Guard Retaining Collar for Inner Tube 32 488                                    |
| 23       | 901173      | Push pin set 1-3/4" 329/7   |
| 24       | 32866       | DRV. TUBE, OUTER, EG 160200, 3M   |
| 25       | 32867       | DRU, 14DE, INNEK, EG 150100, 3M   |

**PTO Extension Assembly** 

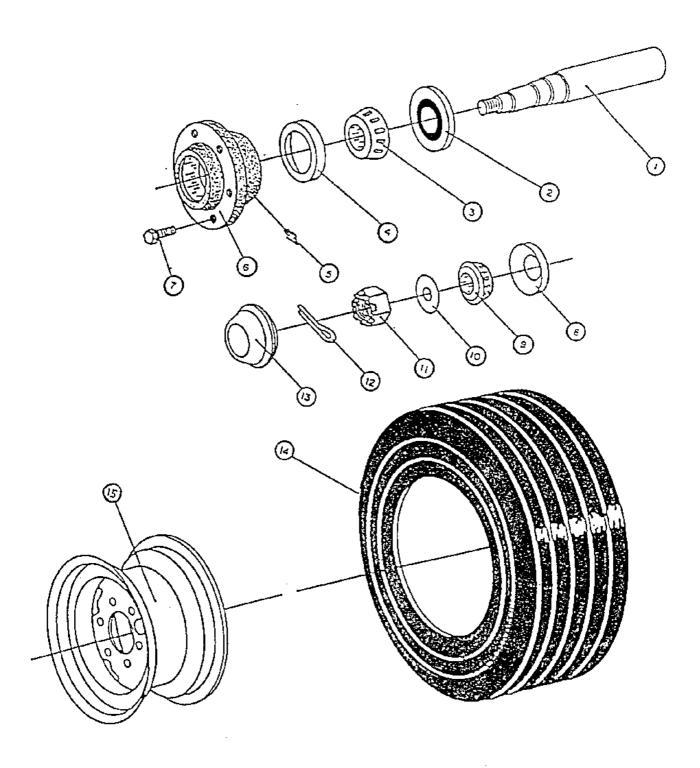
901154 Extension Complete.
PTO Extension





| 901154 OK | <u> </u> | Complete Extention                    |       |
|-----------|----------|---------------------------------------|-------|
| Item No.  | Part No. | Description                           | _     |
| 1         | 901147   | Special Yoke 32892                    | 7     |
| 2         | 901118   | Cross Journal Set 72 863              |       |
| 3         | 901119   | Yoke for Outer Tube 32864             |       |
| 4         | 901120   | Roll Pin for Outer Tube 32865         | - [   |
| 5         | 901168   | Outer Tube With Splined Shaft 329/2   |       |
| 6         | 901136   | Guard Retaining Collar for Outer Tube | 3283/ |
| 7         | 901169   | Extended Cone for Outer Tube 32413    |       |
| 8         | 901137   | Bolt 32882                            |       |
| 9         | 901170   | Outer Shield 3244                     | }     |
| 10        | 901171   | Inner Shield 32915                    | 1     |
| 11        | 901172   | Centering Ring 324/6                  | -     |
| 12        | 901143   | Guard Retaining Collar for Inner Tube | 32888 |
| <u></u>   | F2971.   | 3/0 x/3/4 Da                          |       |

#### Hub & Wheel Assembly



| Item No. | Part No. | Description                     |
|----------|----------|---------------------------------|
| 1        | 301008   | SE16 Spindle only 32303         |
| 2        | 301011   | SE16 Grease Seal 32306          |
| 3        | 301010   | LM603049 Inner cone 32305       |
| 4        | 301009   | LM603012 Inner cup 32304        |
| 5        | 91700    | 1/8 NPT Straight Zerk           |
| 6        | 301017   | H614 Hub 323/2                  |
| 7        | 301006   | WB12 Wheel Bolt 9/16" 32301     |
| 8        | 301004   | LM48510 Outer cup 32,244        |
| 9        | 301005   | LM48548 Outer Cone 32300        |
| 10       | 301003   | WA17 Washer 1" ID x 2"OD 32 246 |
| 11       | 301002   | Castellated Nut 1" 14 UNS 32247 |
| 12       | CP0324   | 3/16" x 1-1/2" Cotter Pin       |
| 13       | 301001   | DC15 Dust Cap 32 296            |
| 14       | 301013   | 11L x 15 6 PLY Tubeless 32308   |
| 15       | 91050    | 15 x 8 x 6 RIM                  |

301017 HUB WITH BEARINGS. 45228

#### 8. Specifications

| Recommended Minimum Horsepower Required: | 85 HP            |
|--|------------------|
| Capacity:                                | 6' diameter bale |
| Height:                                  | 90"              |
| Width                                    | 1 <b>0</b> 0"    |
| Weight                                   | 4000 lb.         |
| PTO Requirements:                        | 1000 R.P.M.      |
| Dual Hydraulies:                         | 2000 psi.        |

| Report    |   |
|-----------|---|
| BOM       | i |
| Level     |   |
| Single    |   |
| t         |   |
| Materials |   |
| Ħ         |   |
| Bill      |   |
| SWS       |   |
|           |   |

Report: BMC81R Date: 5/01/98 Time: 11:13:04 By: BJW @ QPADEV0008

| 1/07/07  | Stock<br>Location   | WRH                    | WRH                              | WRH                          | WRH                         | WRH                        | WRH              | WRH              | WRH  | WRH           | WRH                    | WRH                         |
|--|---|------------------------|----------------------------------|------------------------------|-----------------------------|----------------------------|------------------|------------------|--|---------------|------------------------|-----------------------------|
| Revision: 0  | Vendor #  |                        |                                  |                              |                             |                            |                  |                  |  |               |                        |                             |
| tomer Part #:<br>ECN #:<br>Eng. Drwg. #:<br>Location:    | Stock<br>Type ECN#  | ۵                      | <u>a</u>                         | <u>a</u> .                   | ۵                           | <u>a</u>                   | a.               | C.               | C4   | а             | Σ                      | Σ                           |
| Customer Part #:<br>ECW #:<br>Eng. Drwg. #:<br>Location: | Engineering<br>Units Drawing #  | ଝ୍ଞ                    | SA                               | ₹5                           | <b>5</b>                    | 40                         | 40               | 4                | <b>4</b>   | 40            | 5                      | Y.                          |
|  | Quantity<br>Per Uni   | 1.0000                 |                                  | 2.0000                       | 2.0000                      | 2.0000                     | 2.0000           | 4.0000           | _  |               |                        | 2.0000                      |
| UPDATE   | Quantity Engineering Stock  Description Per Units Drawing # Type ECN# Vendor # Location | HYD.CYL.3.5X16.1.5.8PP | HYD, HOSE, 3 / 8X28, 8FJX - 8FJX | HYD, HOSB, 3/8X20, BFJX-8FJX | HVD. LINE, 1/2X116-1/2, 8FJ | HYD. FIT. TEE. BMJ-8MJ-8MJ | Line CYL, Borrow | PROTEIN TRANSPER | OSCIENT THE CAME OF THE CAME O | Line Cvt. Top | PIN CYL, TOP, LONG, BP | PIN, CYL, BOTTOM, SHORT, BP |
| Parent Part #: 49052<br>*KIT,CYL,TWO,UPDATE<br>Customet: | Seq/Line Component Part #   | -                      | 1 1                              |                              | 1 4                         |                            | ) u              |                  | ٠.   | 0             | , -                    | 10- 11 45185                |