



**ROW UNIT MID-MOUNT
FERTILIZER INJECTION OPENER
MODELS 2968-020A, 2968-021A, 2968-026, & 2968-027 SINGLE WHEEL
MODELS 2968-040, 2968-041, 2968-044, & 2968-045 DUAL WHEEL
John Deere, Kinze, & Harvest International Row Units
SET UP & PARTS MANUAL
2565-951_REV_C – 03/2019**



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YETTER

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BOLT TORQUE



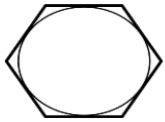


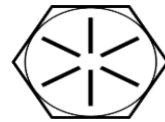
Important: Over-tightening hardware can cause just as much damage as under-tightening. Tightening hardware beyond the recommended range can reduce its shock load capacity.

All hardware is either Grade 5 unless otherwise noted. Grade 5 cap screws are marked with three radial lines on the head. Grade 8 cap screws are marked with six radial lines on the head. If hardware must be replaced, be sure to replace it with hardware of equal size, strength and thread type. Refer to the torque values chart when tightening hardware.

The chart below is a guide for proper torque. Use it unless a specified torque is called out elsewhere in the manual. Torque is the force applied to the end of the handle or cheater bar, times the length of the handle or bar. Tightening hardware beyond the recommended range can reduce its shock load capacity.

Use a torque wrench wherever possible

The following table shows torque in ft.-lbs. for coarse thread hardware.

| Bolt Diameter and Threads per Inch |  Grade 2 |  Grade 5 |  A-325 |  Grade 8 |
|------------------------------------|---|---|--|---|
| 1/4 | 6 | 10 | 14 | 14 |
| 5/16 | 12 | 20 | 30 | 30 |
| 3/8 – 16 | 25 | 35 | 50 | 50 |
| 7/16 – 14 | 35 | 55 | 80 | 80 |
| 1/2 – 13 | 55 | 85 | 125 | 125 |
| 9/16 – 12 | 75 | 125 | 175 | 175 |
| 5/8 – 11 | 105 | 170 | 235 | 235 |
| 3/4-10 | 185 | 305 | 425 | 425 |
| 7/8 – 9 | 170 | 445 | 690 | 690 |
| 1-8 | 260 | 670 | 1030 | 1030 |
| 1 1/8 – 7 | 365 | 900 | 1460 | 1460 |
| 1 1/4 - 7 | 515 | 1275 | 2060 | 2060 |
| 1 3/8 – 6 | 675 | 1675 | 2700 | 2700 |
| 1 1/2 - 6 | 900 | 2150 | 3500 | 3500 |
| 1 3/4 – 5 | 1410 | 3500 | 5600 | 5600 |

FOREWORD

You've just joined an exclusive but rapidly growing club.

For our part, we want to welcome you to the group and thank you for buying a Yetter product.

We hope your new Yetter products will help you achieve both goals-increase your productivity and increase your efficiency so that you may generate more profit.

This operator's manual has been designed into four major sections: Foreword, Safety Precautions, Installation Instructions and Parts Breakdown.

Important will apply to the same information as specified by note only of an immediate and urgent nature.

It is the responsibility of the user to read the operator's manual and comply with the safe and correct operating procedure and to lubricate and maintain the product according to the maintenance schedule in the operator's manual.

The user is responsible for inspecting his machine and for having parts repaired or replaced when continued use of the product would cause damage or excessive wear to the other parts.

It is the user's responsibility to deliver his machine to the Yetter dealer who sold him the product for service or replacement of defective parts, which are covered by the warranty policy.

If you are unable to understand or follow the instructions provided in this publication, consult your local Yetter dealer or contact:

YETTER MANUFACTURING CO.

309/776-4111

800/447-5777

309/776-3222 (FAX)

Website: www.yetterco.com

E-mail: info@yetterco.com



This **SAFETY ALERT SYMBOL** indicates important safety messages in the manual. When you see this symbol, be alert to the possibility of **PERSONAL INJURY** and carefully read the message that follows.

The word **NOTE** is used to convey information that is out of context with the manual text. It contains special information such as specifications, techniques and reference information of a supplementary nature.

The word **IMPORTANT** is used in the text when immediate damage will occur to the machine due to improper technique or operation.

WARRANTY

Yetter Manufacturing warrants all products manufactured and sold by it against defects in material. This warranty being expressly limited to replacement at the factory of such parts or products as shall appear to be defective after inspection. This warranty does not obligate the Company to bear cost of labor in replacement of parts. It is the policy of the Company to make improvements without incurring obligations to add them to any unit already sold. No warranty is made or authorized to be made, other than herein set forth. This warranty is in effect for one year after purchase.

DEALER: _____

Yetter Manufacturing warrants its own products only and cannot be responsible for damages to equipment on which mounted.

BE ALERT! YOUR SAFETY IS INVOLVED



WATCH FOR THIS SYMBOL. IT POINTS OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS “ATTENTION – BE ALERT!”

It is your responsibility as an owner, operator, or supervision to know and instruct everyone using this machine at the time of initial assignment and at least annually thereafter, of the proper operation, precautions, and work hazards which exist in the operation of the machine in accordance with OSHA regulations.

Safety Is No Accident

The following safety instructions, combined with common sense, will save your equipment from needless damage and the operator from unnecessary exposure to personal hazard. Pay special attention to the caution notes in the text. Review this manual at least once a year with all operators.








1. Read and understand the operator’s manual before operating this machine. Failure to do so is considered a misuse of the equipment.
2. Make sure equipment is secure before operating.
3. Always keep children away from equipment when operating.
4. Make sure everyone that is not directly involved with the operation is out of the work area before beginning operation.
5. Make sure all safety devices, shields, and guards are in place and functional before beginning operation
6. Shut off all power to adjust, service, or clean.
7. Keep hands, feet, and clothing away from moving parts. It is a good idea to remove all jewelry before operating.
8. Inspect the machine periodically during operation for signs of excessive wear, loose fasteners, and unusual noises.

BEFORE BEGINNING INSTALLATION, PLEASE GO THROUGH YOUR ORDER TO ENSURE THAT YOU HAVE THE CORRECT PARTS AND HARDWARE, AND THAT THE QUANTITIES ARE CORRECT. USE THE PICTORIAL PART LIST BELOW TO GUIDE YOU.






2968-020A Pictorial Parts List

For JD 1700, 7200, & 7300 Single Disc, Left or Right Hand

| | | | | |
|---|---|--|--|---|
|  <p>2968-140 QTY 1 Bolt Bag</p> |  <p>2968-222 QTY 1 Close Wheel Mount</p> |  <p>Only if -LH Ordered 2968-359-LH QTY 1 Short Fert. Wheel Mount, LH</p> |  <p>Only if -RH Ordered 2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-021A Pictorial Parts List

For JD 7000 & 7100, Kinze 2000 & 3000, Single Disc, Left or Right Hand

| | | | | |
|---|---|--|--|---|
|  <p>2968-148 QTY 1 Bolt Bag</p> |  <p>2968-223 QTY 1 Close Wheel Mount</p> |  <p>Only if -LH Ordered 2968-359-LH QTY 1 Short Fert. Wheel Mount, LH</p> |  <p>Only if -RH Ordered 2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-026 Pictorial Parts List

For Harvest International Single Disc, Left or Right Hand

| | | | | |
|---|---|--|--|---|
|  <p>2968-140 QTY 1 Bolt Bag</p> |  <p>2968-225 QTY 1 Close Wheel Mount</p> |  <p>Only if -LH Ordered 2968-359-LH QTY 1 Short Fert. Wheel Mount, LH</p> |  <p>Only if -RH Ordered 2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-027 Pictorial Parts List

For Kinze 4900 Single Disc, Left or Right Hand

| | | | | |
|---|---|--|--|---|
|  <p>2968-152 QTY 1 Bolt Bag</p> |  <p>2968-228 QTY 1 Close Wheel Mount</p> |  <p>Only if -LH Ordered 2968-359-LH QTY 1 Short Fert. Wheel Mount, LH</p> |  <p>Only if -RH Ordered 2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-040 Pictorial Parts List

For JD 1700, 7200, & 7300 Dual Disc

| | | | | |
|---|---|--|--|---|
|  <p>2968-145 QTY 1 Bolt Bag</p> |  <p>2968-222 QTY 1 Close Wheel Mount</p> |  <p>2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-360 QTY 1 Tall Fert. Wheel Mount</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-041 Pictorial Parts List

For JD 7000 & 7100, Kinze 2000 & 3000, Dual Disc

| | | | | |
|---|---|--|--|---|
|  <p>2968-147 QTY 1 Bolt Bag</p> |  <p>2968-223 QTY 1 Close Wheel Mount</p> |  <p>2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-360 QTY 1 Tall Fert. Wheel Mount</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|






2968-044 Pictorial Parts List

For Harvest International, Dual Disc


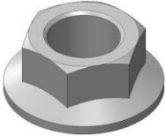




| | | | | |
|---|---|--|--|---|
|  <p>2968-145 QTY 1 Bolt Bag</p> |  <p>2968-225 QTY 1 Close Wheel Mount</p> |  <p>2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-360 QTY 1 Tall Fert. Wheel Mount</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|

2968-045 Pictorial Parts List


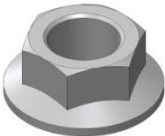




For Kinze 4900, Dual Disc

| | | | | |
|---|---|--|--|---|
|  <p>2968-151 QTY 1 Bolt Bag</p> |  <p>2968-228 QTY 1 Close Wheel Mount</p> |  <p>2968-359-RH QTY 1 Short Fert. Wheel Mount, RH</p> |  <p>2968-360 QTY 1 Tall Fert. Wheel Mount</p> |  <p>2968-361 QTY 1 Arm Clamp</p> |
|---|---|--|--|---|


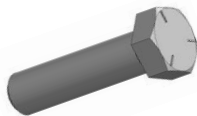
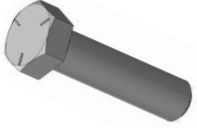
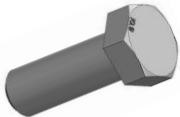




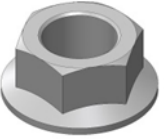








2968-132 Pictorial Parts List – 10” Fertilizer Wheel Assembly

| | | | | | |
|--|--|---|--|---|---|
|  <p>2505-207 QTY 4 5/16 X 1 ¼ Carriage Bolt</p> |  <p>2520-206 QTY 4 5/16 Flange Lock Nut</p> |  <p>2570-740 QTY 1 Flanged D-Bolt 5/8 X 2.812 GR 8</p> |  <p>2965-128 QTY 1 Hub & Bearing Assembly, 4 bolt</p> |  <p>2965-352 QTY 1 Hub Cap Casting</p> |  <p>2968-320 QTY 1 10” Notched Blade</p> |
|--|--|---|--|---|---|


2968-133 Pictorial Parts List – 11” Fertilizer Wheel Assembly

| | | | | | |
|--|--|---|--|---|---|
|  <p>2505-207 QTY 4 5/16 X 1 ¼ Carriage Bolt</p> |  <p>2520-206 QTY 4 5/16 Flange Lock Nut</p> |  <p>2570-740 QTY 1 Flanged D-Bolt 5/8 X 2.812 GR 8</p> |  <p>2965-128 QTY 1 Hub & Bearing Assembly, 4 bolt</p> |  <p>2965-352 QTY 1 Hub Cap Casting</p> |  <p>2968-364 QTY 1 11” Notched Blade</p> |
|--|--|---|--|---|---|

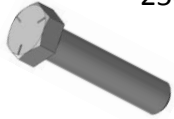
2968-140 Pictorial Parts List – Bolt Bag for 2968-020A & 2968-026

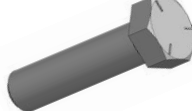
-  ← 2502-104 -1/4-20 X 1/2 HHCS GR. 5 ZYD.– QTY 2
- 2502-293 – ½ - 13 X 1 ¼ HHCS GR. 5 ZYD.– QTY 2 → 
-  ← 2502-351 -1/2-13 X 2 HHCS GR.5 ZP– QTY 5
- 2502-379 -M12 X 1.75 X 35 GRD 10.9 ZYD– QTY 2 → 
-  ← 2515-846 -MALE CONNECTOR - 3/8 X 1/4 NPTF– QTY 1
- 2520-151 -1/4-20 HEX NUT, GR 2, ZP– QTY 2 → 
-  ← 2520-253 -3/8-16 JAM HEX NUT, GR 2, ZP– QTY 2
- 2520-361 -1/2-13FLANGE WHZLCK HXNT, GR 5, ZP – QTY 2 → 
-  ← 2520-464 -5/8-11 WHIZLOCK ZP, GR 8– QTY 1
- 2525-151 - 1/4 MED. LOCKWASHER ZP – QTY 2 → 
-  ← 2525-251 -3/8 MED. LOCKWASHER ZP – QTY 1
- 2525-352 - 1/2 MED LOCKWASHER ZP – QTY 5 → 
-  ← 2526-253 - 3/8 SAE FLATWASHER ZP – QTY 2
- 2526-454 - 5/8SAE FLATWASHER HRD'ND ZP – QTY 1 → 
-  ← 2570-724 - 3/8 HOSE P-CLIP W/ VINYL CUSHION – QTY 1
- 2968-218 - INJECTOR HOLDER W.A. – QTY 1 → 
-  ← 2968-363 - HOSE HOLDER, FORMED – QTY 1

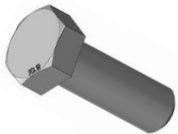
2968-145 Pictorial Parts List – Bolt Bag for 2968-040A & 2968-044


 ← 2502-104 -1/4-20 X 1/2 HHCS GR. 5 ZYD.– QTY 2


2502-293 -1/2-13 X 1 1/4" GRADE 5 HHCS ZYD – QTY 2 → 

← 2502-314 -1/2-13 X 2-1/4" GRADE 5 HHCS ZYD – QTY 3 

2502-351 -1/2-13 X 2 HHCS GR.5 ZP– QTY 2 → 

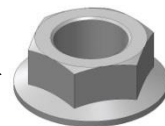
 ← 2502-379 -M12 X 1.75 X 35 GRD 10.9 ZYD– QTY 2

2515-846 -MALE CONNECTOR - 3/8 X 1/4 NPTF– QTY 2 → 

 ← 2520-151 -1/4-20 HEX NUT, GR 2, ZP– QTY 2


2520-253 -3/8-16 JAM HEX NUT, GR 2, ZP– QTY 4 → 

← 2520-361 -1/2-13 FLANGE WHZLCK HXNT, GR 5, ZP – QTY 2 


2520-464 -5/8-11 WHIZLOCK ZP, GR 8– QTY 2 → 


 ← 2525-151 - 1/4 MED. LOCKWASHER ZP – QTY 2


2525-251 -3/8 MED. LOCKWASHER ZP – QTY 2 → 


 ← 2525-352 - 1/2 MED LOCKWASHER ZP – QTY 5

2526-253 - 3/8 SAE FLATWASHER ZP – QTY 4 → 


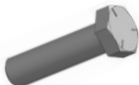
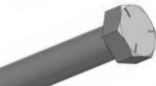

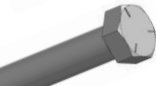

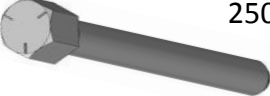

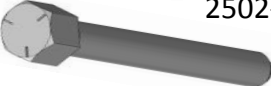

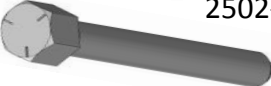



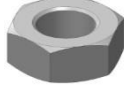

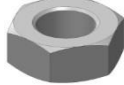

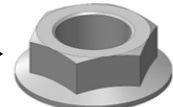

















 ← 2526-454 - 5/8 SAE FLATWASHER HRD'ND ZP – QTY 3

2570-724 - 3/8 HOSE P-CLIP W/ VINYL CUSHION – QTY 2 → 

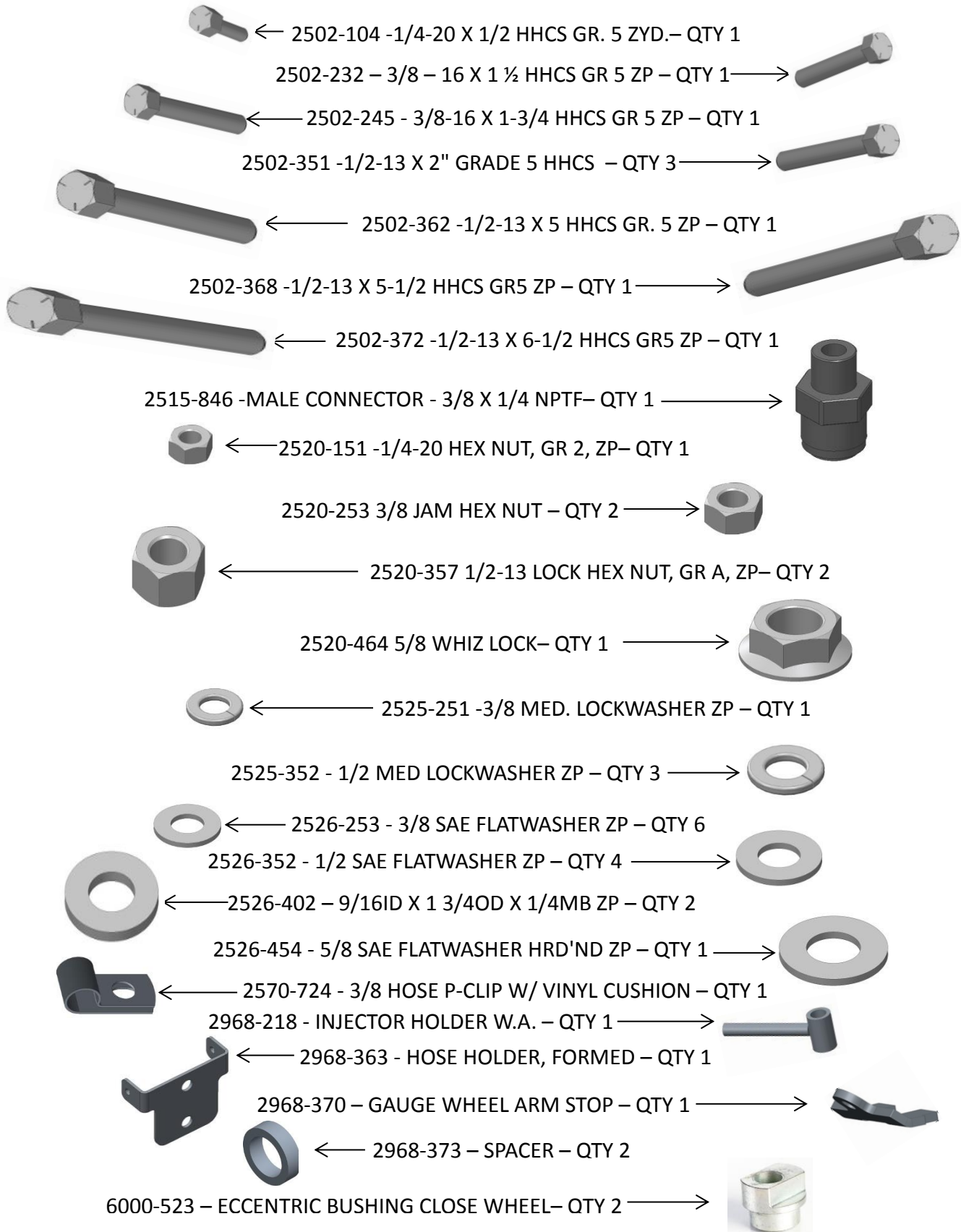
 ← 2968-218 - INJECTOR HOLDER W.A. – QTY 2

2968-363 - HOSE HOLDER, FORMED – QTY 1 → 

2968-147 Pictorial Parts List – Bolt Bag for 2968-041

-  ← 2502-104 -1/4-20 X 1/2 HHCS GR. 5 ZYD – QTY 2
  →
- 2502-232 – 3/8-16 X 1 ½ HHCS GR 5 ZP – QTY – 1
  →
-  ← 2502-245 - 3/8-16 X 1 ¾ HHCS GR 5 ZP – QTY 1
  →
- 2502-314 -1/2-13 X 2-1/4" GRADE 5 HHCS ZYD – QTY 3
  →
-  ← 2502-362 -1/2-13 X 5 HHCS GR. 5 ZP – QTY 1
  →
-  ← 2502-368 -1/2-13 X 5-1/2 HHCS GR5 ZP – QTY 1
  →
-  ← 2502-372 -1/2-13 X 6-1/2 HHCS GR5 ZP – QTY 1
  →
- 2515-846 -MALE CONNECTOR - 3/8 X 1/4 NPTF– QTY 2
  →
-  ← 2520-151 -1/4-20 HEX NUT, GR 2, ZP– QTY 2
  →
- 2520-253 3/8 JAM HEX NUT – QTY 4
  ←
  →
-  ← 2520-357 1/2-13 LOCK HEX NUT, GR A, ZP– QTY 2
  →
- 2520-464 5/8 WHIZ LOCK– QTY 2
  →
-  ← 2525-251 -3/8 MED. LOCKWASHER ZP – QTY 2
  →
- 2525-352 - 1/2 MED LOCKWASHER ZP – QTY 3
  ←
  →
-  ← 2526-253 - 3/8 SAE FLATWASHER ZP – QTY 8
  →
- 2526-352 - 1/2 SAE FLATWASHER ZP – QTY 4
  ←
  →
-  ← 2526-402 – 9/16ID X 1 3/4OD X 1/4MB ZP – QTY 2
  →
- 2526-454 - 5/8SAE FLATWASHER HRD'ND ZP – QTY 2
  →
-  ← 2570-724 - 3/8 HOSE P-CLIP W/ VINYL CUSHION – QTY 2
  →
- 2968-218 - INJECTOR HOLDER W.A. – QTY 2
  →
-  ← 2968-363 - HOSE HOLDER, FORMED – QTY 1
  →
- 2968-370 – GAUGE WHEEL ARM STOP – QTY 1
  →
-  ← 2968-373 – SPACER – QTY 2
  →
- 6000-523 – ECCENTRIC BUSHING CLOSE WHEEL– QTY 2
  →

2968-148 Pictorial Parts List – Bolt Bag for 2968-021A



2968-151 Pictorial Parts List – Bolt Bag for 2968-045



2968-152 Pictorial Parts List – Bolt Bag for 2968-027



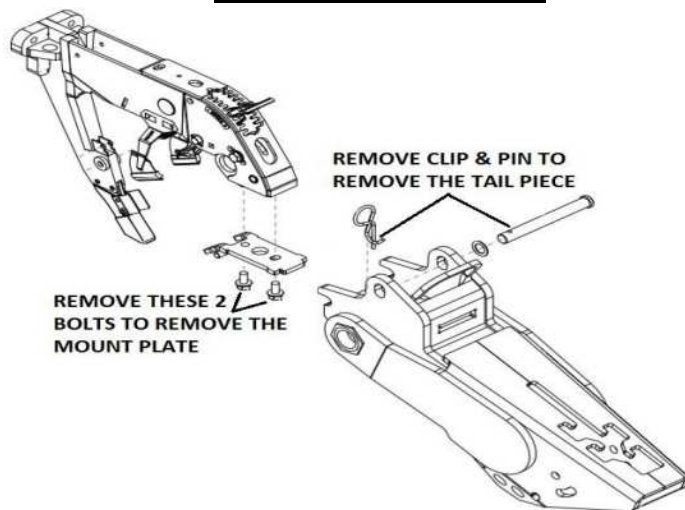
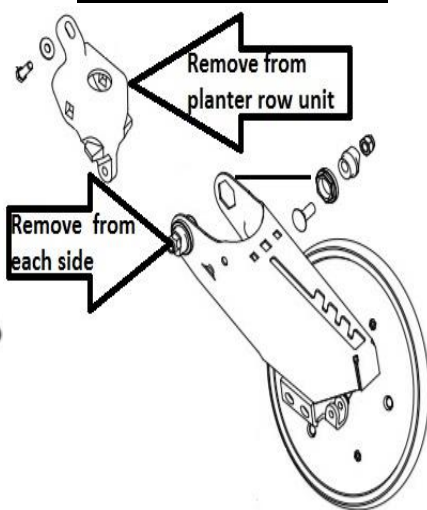
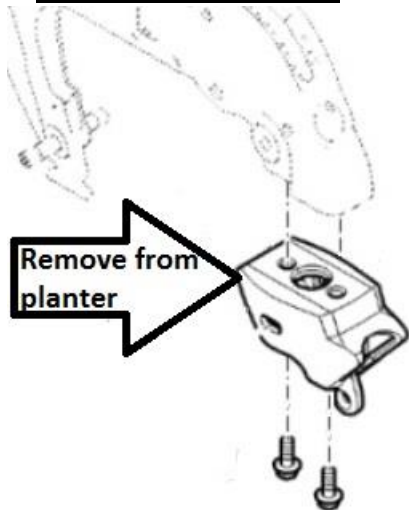
INSTALLATION INSTRUCTIONS

Step 1: Remove the V-Closing Wheel Tail Piece from the row unit.

JD 1700/7200/7300

Kinze/JD 7000/7100

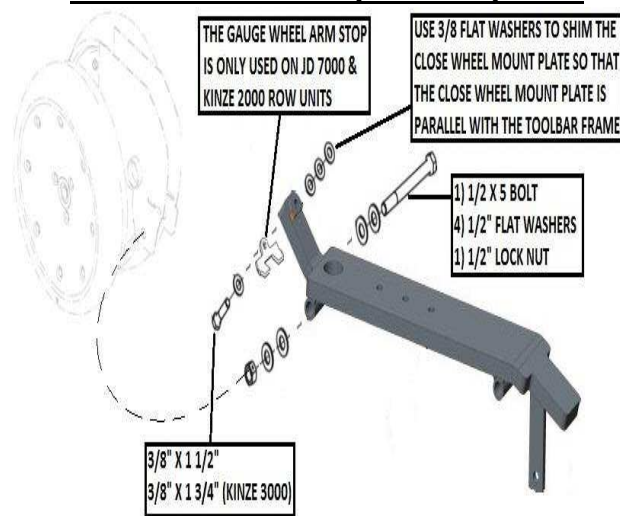
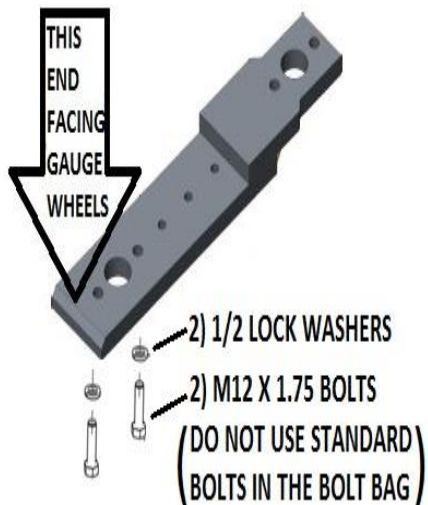
Harvest International



Step 2: Install the Fertilizer Mount Plate for the Yetter 2968 unit.

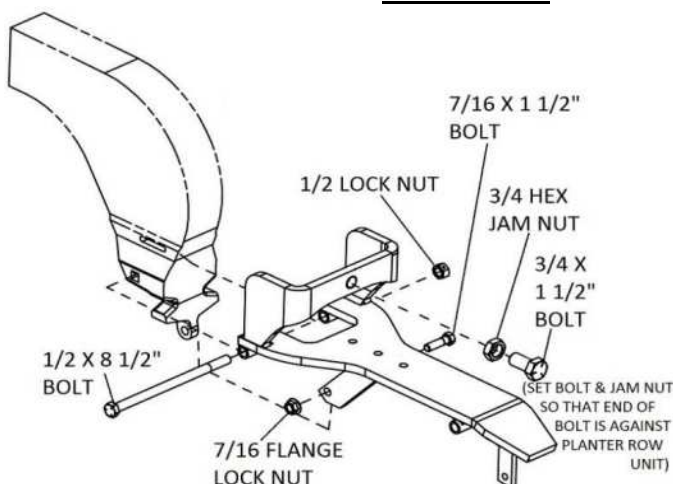
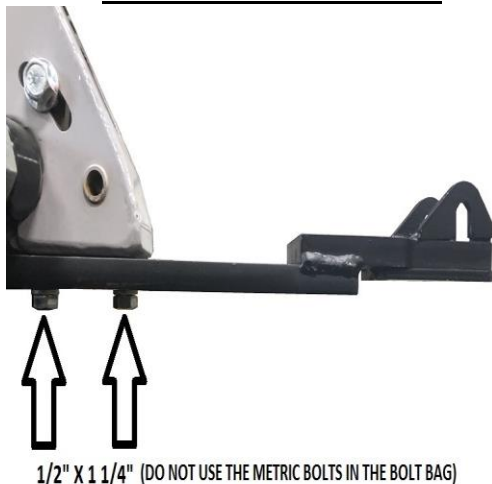
JD 1700/7200/7300

Kinze 2000 & 3000/JD 7000/7100



Harvest International

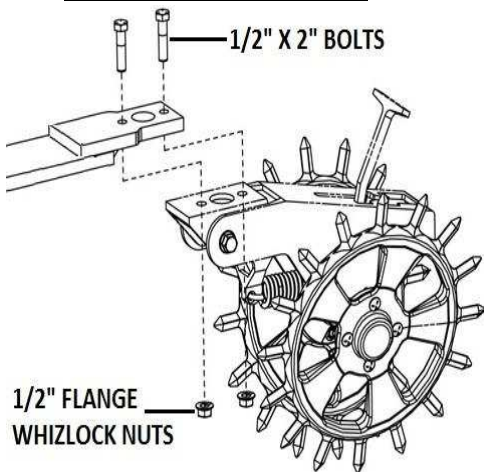
Kinze 4900



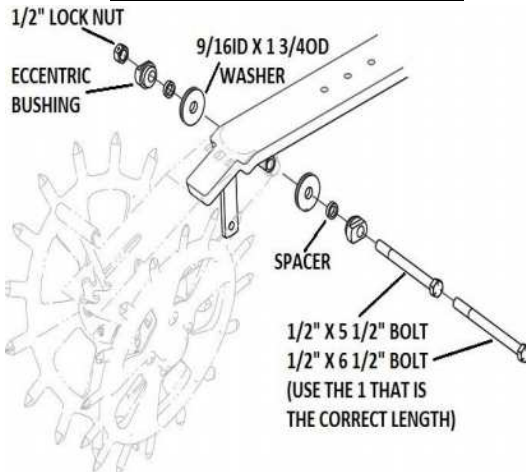
INSTALLATION INSTRUCTIONS

Step 3: Attach V-Closing Wheel Tail Piece to the Fertilizer Mount Plate. Reattach the spring.

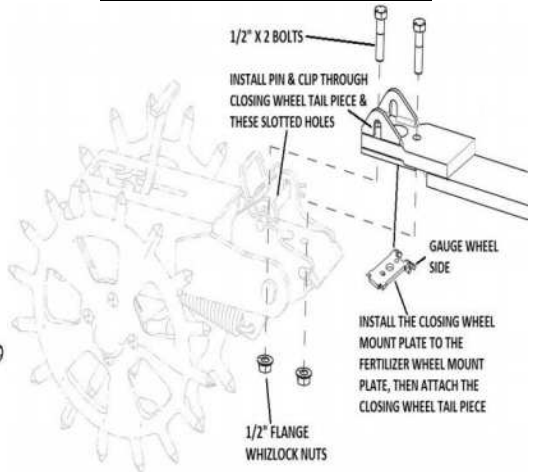
JD 1700/7200/7300



All Kinze/JD 7000/7100



Harvest International



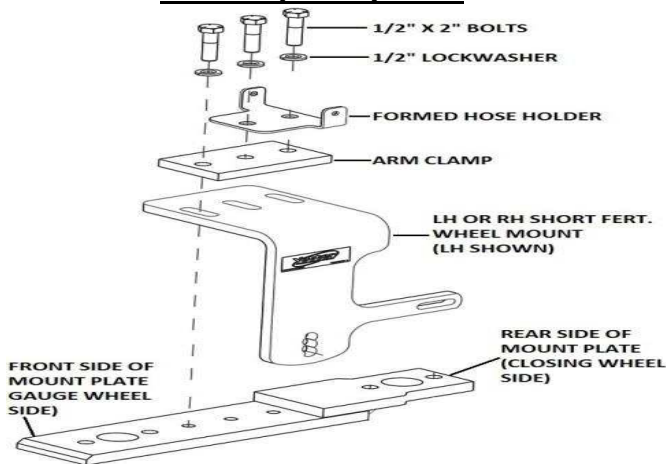
(2968-020A, 2968-021A, 2968-026A, & 2968-027A MODELS, SINGLE DISC)

(IF INSTALLING 2968-040, 2968-041, 2968-044, OR 2968-045 DUAL DISC, SKIP TO 4B)

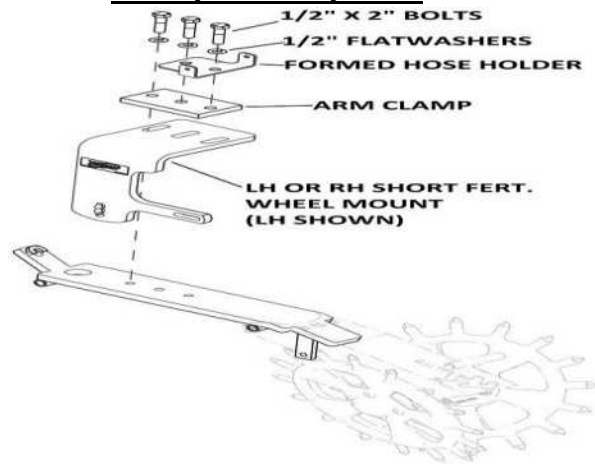
Step 4A: Install the 2968-359-LH or 2968-359-RH L-Mount bracket, Arm Clamp, & Formed Hose Holder to the Fertilizer Mount Plate using 3) 1/2" X 2" Bolts & 3) 1/2" Lock Washers.

NOTE: DO NOT tighten the 3) 1/2" X 2" Bolts until after the wheel are installed.

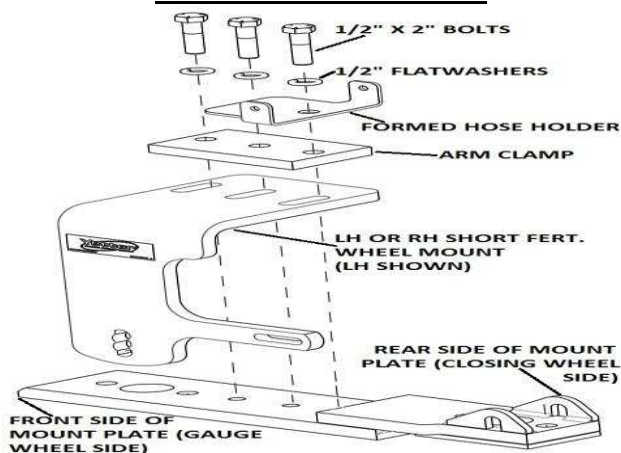
JD 1700/7200/7300



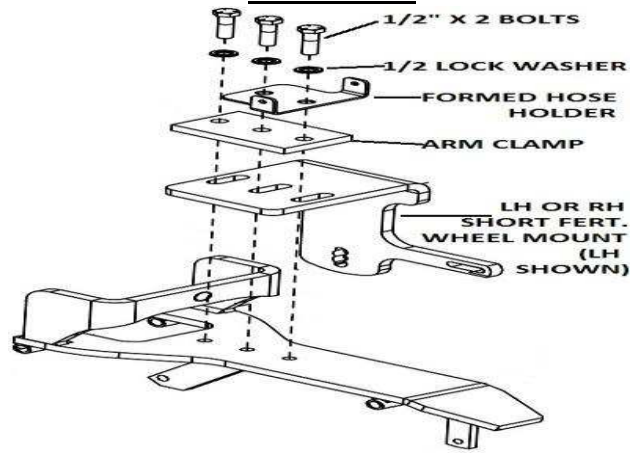
Kinze/JD 7000/7100



Harvest International



Kinze 4900



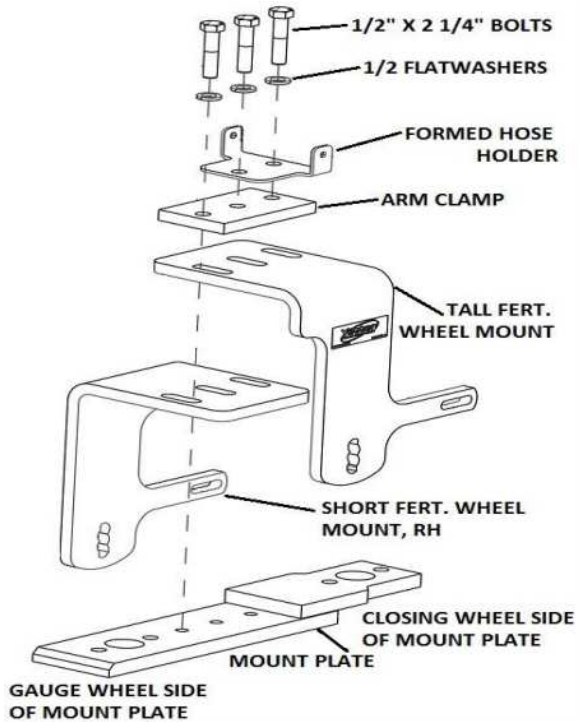
INSTALLATION INSTRUCTIONS

(2968-040A, 2968-041A, 2968-044A, & 2968-045 MODELS, DUAL DISC)

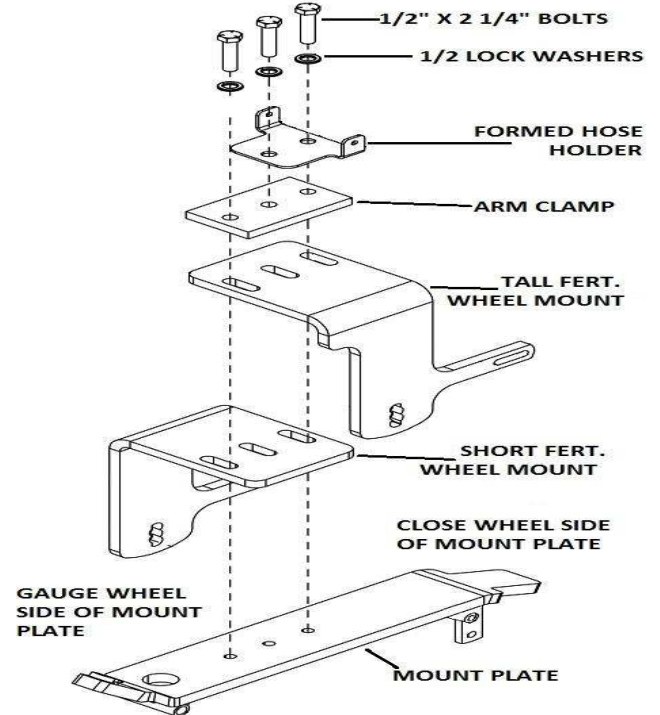
Step 4B: Install the 2968-359-RH L-Mount bracket, 2968-360 Tall L-Mount Bracket, Arm Clamp, & Formed Hose Holder to Fertilizer Mount Plate using 3) 1/2" X 2 1/4" Bolts & 3) 1/2" Lock Washers.

NOTE: DO NOT tighten the 3) 1/2" X 2 1/4" Bolts until after the wheel are installed.

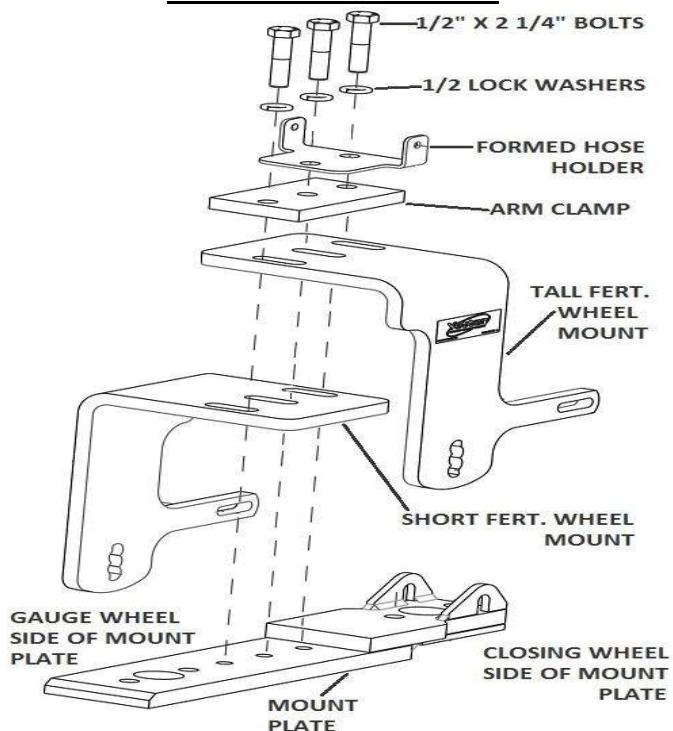
JD 1700/7200/7300



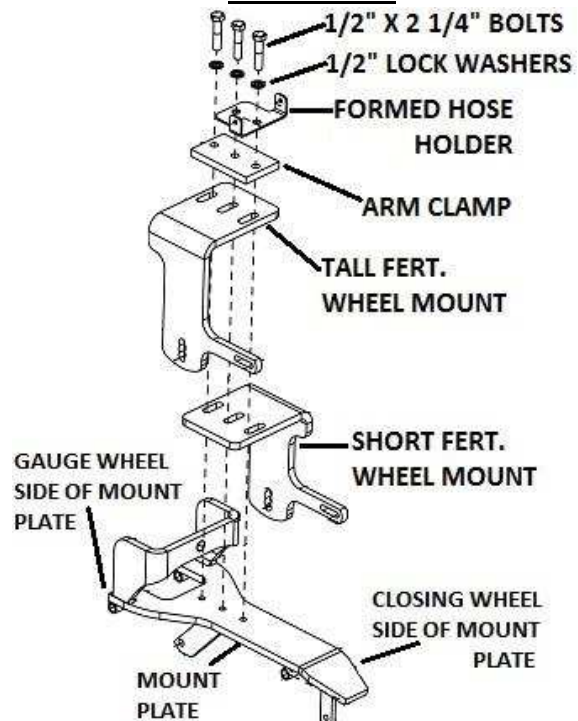
Kinze/JD 7000/7100



Harvest International



Kinze 4900



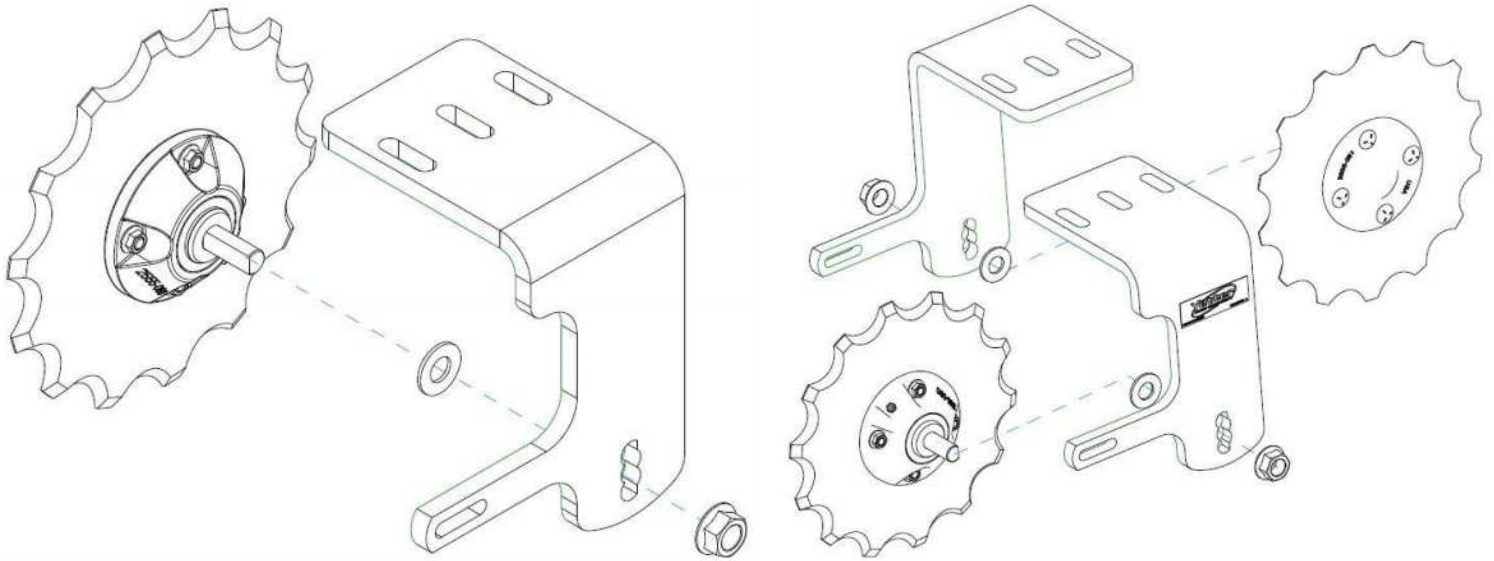
INSTALLATION INSTRUCTIONS

NOTE: If installing 2968-090 Rear Knife Option, use that manual to finish installation from this point.

Step 5: Place a 5/8 flat washer over the D-bolt & install the Fertilizer Wheel Assembly to the Fertilizer Wheel Mount Plate & tighten 5/8 flange whiz lock nut. See **page 19** to determine which D-bolt hole to install the wheel assembly to achieve your desired depth.

SINGLE WHEEL (RH Shown)

DUAL WHEEL

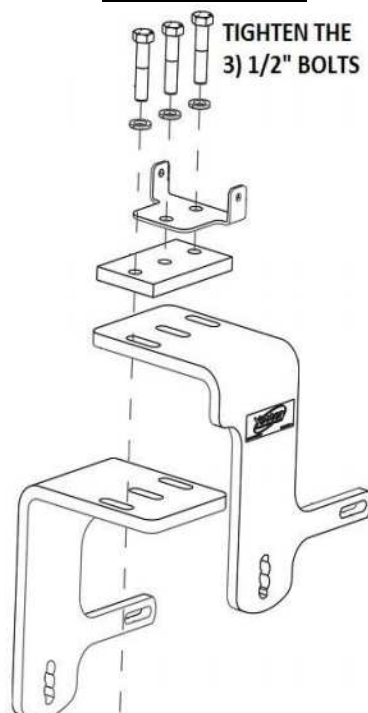
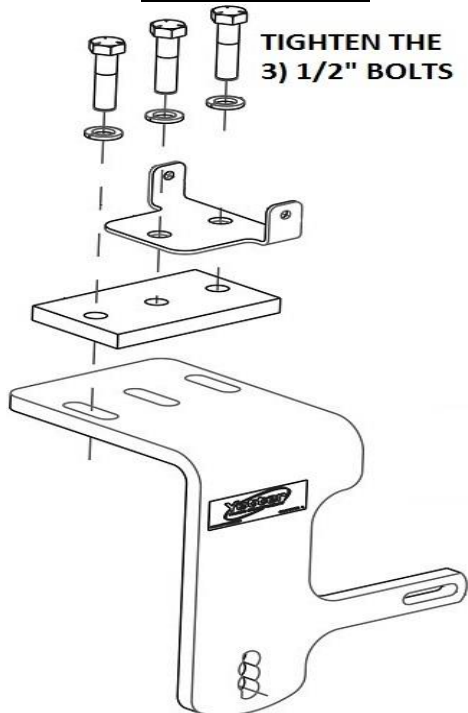


Step 6: Set each Fertilizer Wheel Assembly to the desired spacing off the row (2" – 3") & then tighten the 3) 1/2" bolts from **STEP 4**.

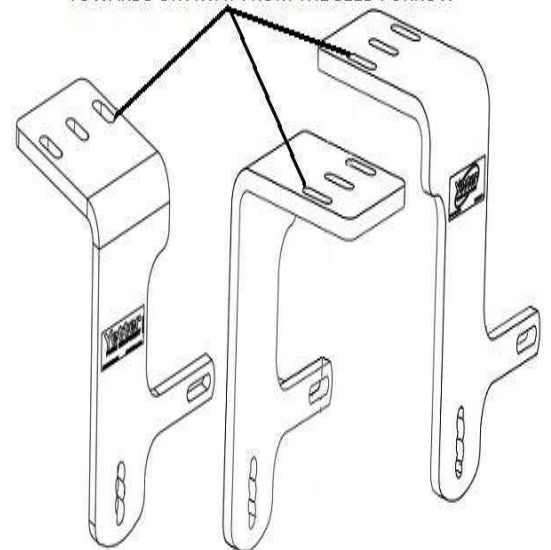
SINGLE WHEEL

DUAL WHEEL

WHEEL ADJUSTMENT



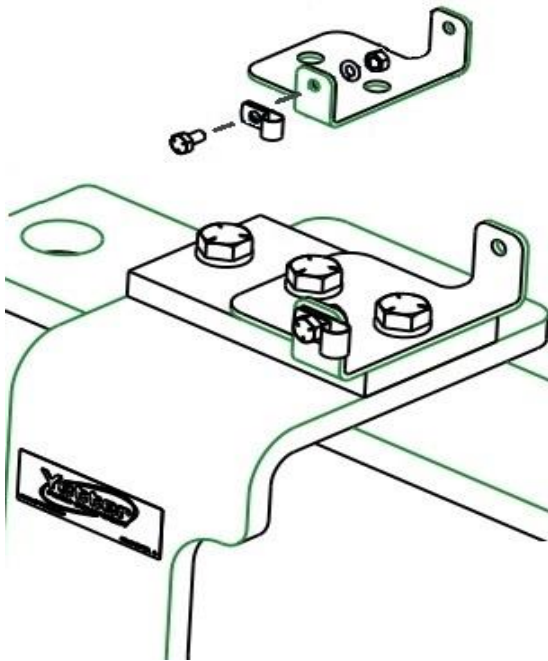
USE THE SLOTTED HOLES IN THE FERTILIZER WHEEL MOUNT TO ADJUST EACH BLADE TOWARDS OR AWAY FROM THE SEED FURROW



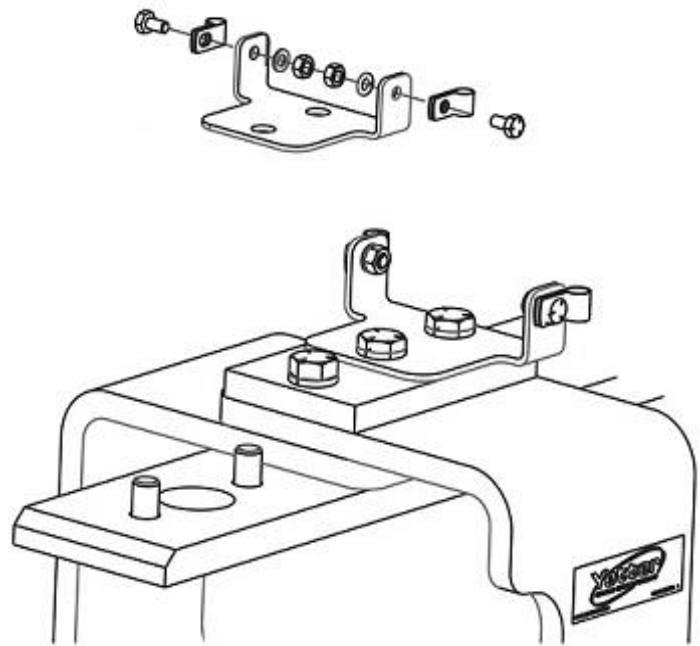
INSTALLATION INSTRUCTIONS

STEP 7: Install each P-Clip to the Formed Hose Holder using $\frac{1}{4}$ " X $\frac{1}{2}$ " bolts, $\frac{1}{4}$ " lock washers, & $\frac{1}{4}$ " hex nuts. A P-Clip should be placed on the side with blade for single wheel placement & on both sides for dual wheel placement.

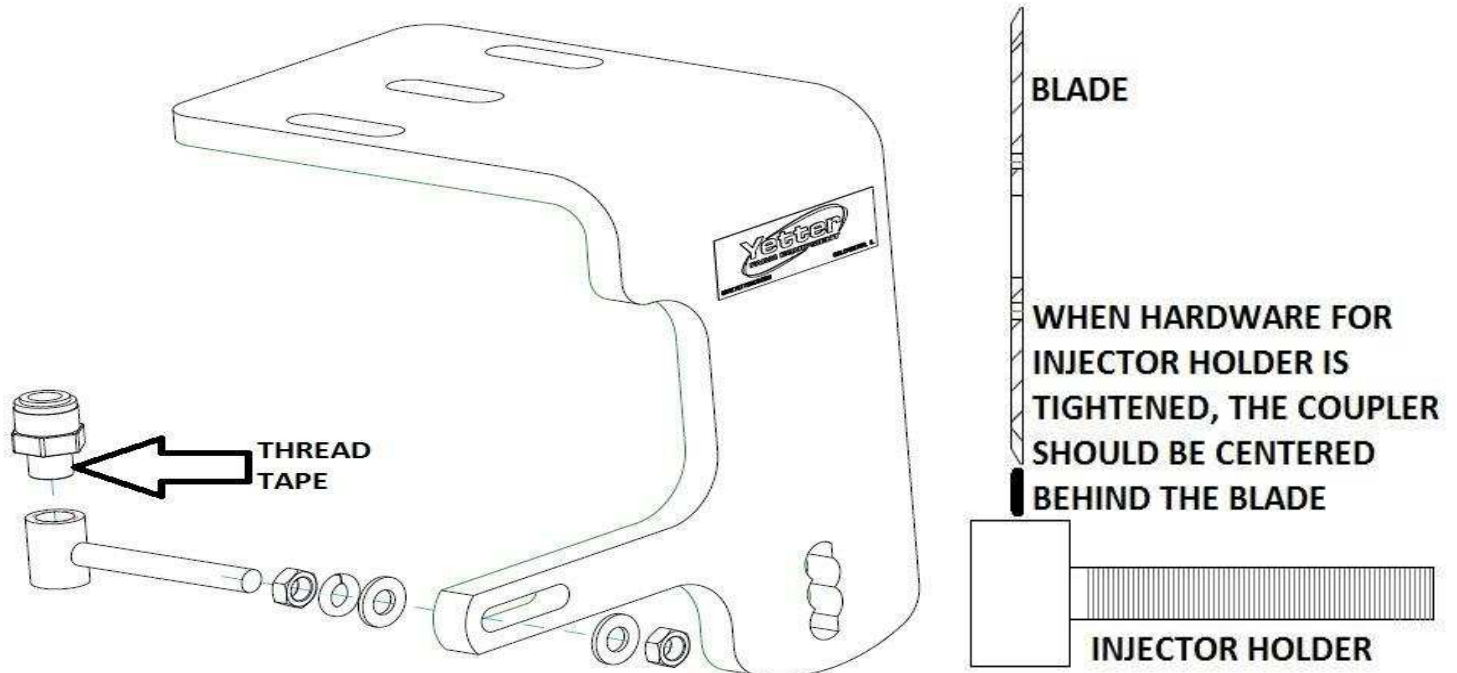
SINGLE WHEEL



DUAL WHEEL

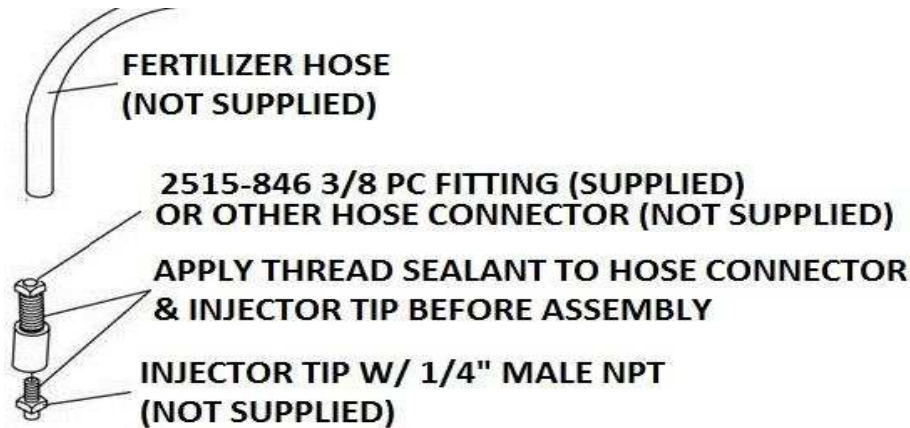


STEP 8: Install each Injector Holder behind each blade. Thread a $\frac{3}{8}$ " hex jam nut on the threaded rod roughly 2", place a $\frac{3}{8}$ " lock washer & $\frac{3}{8}$ " flat washer over the threaded rod against the hex jam nut. Slide the threaded rod through the horizontal slotted hole on the fertilizer wheel mount so that the threaded rod end is on the outside of the fertilizer wheel mount. Place a $\frac{3}{8}$ " flat washer over the end & thread another $\frac{3}{8}$ " hex jam nut. Before tightening, center the coupler behind the blade & point the bottom of the coupler slightly forward. Install the push connect fitting on the top side of the coupler if you wish to use it.



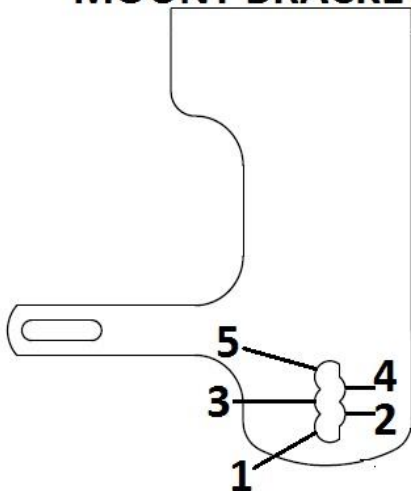
INSTALLATION INSTRUCTIONS

STEP 9: Assemble nozzle tip (not supplied) to each 2968-218 injector holder. Injector tips can be ordered through fertilizer equipment dealer. Calibrate the fertilizer pump and tips to **maximum recommended pressure of 30PSI and minimum 20PSI at the tip**. Attach the fertilizer hose to the top side of each coupler.



OPERATION

FERTILIZER WHEEL MOUNT BRACKET



- On dual fertilizer placement, the wheels are staggered front to back to keep the soil from heaving.
- Fertilizer can be placed 2" – 3" off the seed furrow. Please see your agronomist to determine best spacing on the rate that's being applied.
- Calibrate the fertilizer pump and tips to **maximum pressure of 30PSI and minimum 20PSI at the tip**.
- Residue managers are recommended if residue in planting conditions to eliminate hair pinning.
- Blade replacement is necessary when the depth cannot be achieved or the blade struggles to penetrate the ground.
- If there is buildup of damp soil on the planter gauge wheels or opener disks, then conditions are less than ideal & some problems may also be encountered with the fertilizer wheel.
- Seed depth will need rechecked after fertilizer unit installation.
- More row unit down force will be needed to maintain fertilizer wheel depth.

| <u>POSITION</u> | <u>DEPTH (USING 10" NOTCHED BLADE)</u> |
|-----------------|--|
| 1 | 3/4" BELOW DOUBLE DISC OPENERS |
| 2 | 1/2" BELOW DOUBLE DISC OPENERS |
| 3 | 1/4" BELOW DOUBLE DISC OPENERS |
| 4 | EVEN WITH DOUBLE DISC OPENERS |
| 5 | 1/4" ABOVE DOUBLE DISC OPENERS |

| <u>POSITION</u> | <u>DEPTH (USING 11" NOTCHED BLADE)</u> |
|-----------------|--|
| 1 | 1 1/4" BELOW DOUBLE DISC OPENERS |
| 2 | 1" BELOW DOUBLE DISC OPENERS |
| 3 | 3/4" BELOW DOUBLE DISC OPENERS |
| 4 | 1/2" BELOW DOUBLE DISC OPENERS |
| 5 | 1/4" BELOW DOUBLE DISC OPENERS |

OPERATION

LIQUID FERTILIZER APPLICATION RATE & PRESSURE CHART – TABLES BASED ON 30” NOZZLE SPACING

| TIP # | LIQUID PRESSURE IN PSI | CAPACITY 1 NOZZLE IN GPM | GALLONS PER ACRE (USING WATER) | | | | | |
|--------|------------------------|--------------------------|--------------------------------|-----------|-------------|-----------|-----------|----------|
| | | | 4 MPH H2O | 5 MPH H2O | 5.5 MPH H2O | 6 MPH H2O | 7 MPH H2O | 8MPH H2O |
| #00015 | 20 | 0.11 | 5.45 | 4.36 | 3.96 | 3.63 | 3.11 | 2.72 |
| | 25 | 0.12 | 5.94 | 4.75 | 4.32 | 3.96 | 3.39 | 2.97 |
| | 30 | 0.13 | 6.44 | 5.15 | 4.68 | 4.29 | 3.68 | 3.22 |
| | 40 | 0.15 | 7.43 | 5.94 | 5.40 | 4.95 | 4.24 | 3.71 |
| | 50 | 0.17 | 8.42 | 6.73 | 6.12 | 5.61 | 4.81 | 4.21 |
| | 60 | 0.18 | 8.91 | 7.13 | 6.48 | 5.94 | 5.09 | 4.46 |
| #0002 | 20 | 0.14 | 6.93 | 5.54 | 5.04 | 4.62 | 3.96 | 3.47 |
| | 25 | 0.16 | 7.92 | 6.34 | 5.76 | 5.28 | 4.53 | 3.96 |
| | 30 | 0.17 | 8.42 | 6.73 | 6.12 | 5.61 | 4.81 | 4.21 |
| | 40 | 0.20 | 9.90 | 7.92 | 7.20 | 6.60 | 5.66 | 4.95 |
| | 50 | 0.23 | 11.39 | 9.11 | 8.28 | 7.59 | 6.51 | 5.69 |
| | 60 | 0.25 | 12.38 | 9.90 | 9.00 | 8.25 | 7.07 | 6.19 |
| #0003 | 20 | 0.21 | 10.40 | 8.32 | 7.56 | 6.93 | 5.94 | 5.20 |
| | 25 | 0.24 | 11.88 | 9.50 | 8.64 | 7.92 | 6.79 | 5.94 |
| | 30 | 0.26 | 12.87 | 10.30 | 9.36 | 8.58 | 7.35 | 6.44 |
| | 40 | 0.30 | 14.85 | 11.88 | 10.80 | 9.90 | 8.49 | 7.43 |
| | 50 | 0.34 | 16.83 | 13.46 | 12.24 | 11.22 | 9.62 | 8.42 |
| | 60 | 0.37 | 18.32 | 14.65 | 13.32 | 12.21 | 10.47 | 9.16 |
| #0004 | 20 | 0.28 | 13.86 | 11.09 | 10.08 | 9.24 | 7.92 | 6.93 |
| | 25 | 0.32 | 15.84 | 12.67 | 11.52 | 10.56 | 9.05 | 7.92 |
| | 30 | 0.35 | 17.33 | 13.86 | 12.60 | 11.55 | 9.90 | 8.66 |
| | 40 | 0.40 | 19.80 | 15.84 | 14.40 | 13.20 | 11.31 | 9.90 |
| | 50 | 0.45 | 22.28 | 17.82 | 16.20 | 14.85 | 12.73 | 11.14 |
| | 60 | 0.49 | 24.26 | 19.40 | 17.64 | 16.17 | 13.86 | 12.13 |
| #0005 | 20 | 0.35 | 17.33 | 13.86 | 12.60 | 11.55 | 9.90 | 8.66 |
| | 25 | 0.40 | 19.80 | 15.84 | 14.40 | 13.20 | 11.31 | 9.90 |
| | 30 | 0.43 | 21.29 | 17.03 | 15.48 | 14.19 | 12.16 | 10.64 |
| | 40 | 0.50 | 24.75 | 19.80 | 18.00 | 16.50 | 14.14 | 12.38 |
| | 50 | 0.56 | 27.72 | 22.18 | 20.16 | 18.48 | 15.84 | 13.86 |
| | 60 | 0.61 | 30.20 | 24.16 | 21.96 | 20.13 | 17.25 | 15.10 |
| #0006 | 20 | 0.42 | 20.79 | 16.63 | 15.12 | 13.86 | 11.88 | 10.40 |
| | 25 | 0.47 | 23.27 | 18.61 | 16.92 | 15.51 | 13.29 | 11.63 |
| | 30 | 0.52 | 25.74 | 20.59 | 18.72 | 17.16 | 14.71 | 12.87 |
| | 40 | 0.60 | 29.70 | 23.76 | 21.60 | 19.80 | 16.97 | 14.85 |
| | 50 | 0.67 | 33.17 | 26.53 | 24.12 | 22.11 | 18.95 | 16.58 |
| | 60 | 0.74 | 36.63 | 29.30 | 26.364 | 24.42 | 20.93 | 18.32 |
| #0008 | 20 | 0.57 | 28.22 | 22.57 | 20.52 | 18.81 | 16.12 | 14.11 |
| | 25 | 0.63 | 31.19 | 24.95 | 22.68 | 20.79 | 17.82 | 15.59 |
| | 30 | 0.69 | 34.16 | 27.32 | 24.84 | 22.77 | 19.52 | 17.08 |
| | 40 | 0.80 | 39.60 | 31.68 | 28.80 | 26.40 | 22.63 | 19.80 |
| | 50 | 0.89 | 44.06 | 35.24 | 32.04 | 29.37 | 25.17 | 22.03 |
| | 60 | 0.98 | 48.51 | 38.81 | 35.28 | 32.34 | 27.72 | 24.26 |
| #0010 | 20 | 0.71 | 35.15 | 28.12 | 25.56 | 23.43 | 20.08 | 17.57 |
| | 25 | 0.79 | 39.11 | 31.28 | 28.44 | 26.07 | 22.35 | 19.55 |
| | 30 | 0.87 | 43.07 | 34.45 | 31.32 | 28.71 | 24.61 | 21.53 |
| | 40 | 1.00 | 49.50 | 39.60 | 36.00 | 33.00 | 28.29 | 24.75 |
| | 50 | 1.12 | 55.44 | 44.35 | 40.32 | 36.96 | 31.68 | 27.72 |
| | 60 | 1.23 | 60.89 | 48.71 | 44.28 | 40.59 | 34.79 | 30.44 |
| #0015 | 20 | 1.06 | 52.47 | 41.98 | 38.16 | 34.98 | 29.98 | 26.24 |
| | 25 | 1.19 | 58.91 | 47.12 | 42.84 | 39.27 | 33.66 | 29.45 |
| | 30 | 1.30 | 64.35 | 51.48 | 46.80 | 42.90 | 36.77 | 32.18 |
| | 40 | 1.50 | 74.25 | 59.40 | 54.00 | 49.50 | 42.43 | 37.13 |
| | 50 | 1.68 | 83.16 | 66.53 | 60.48 | 55.44 | 47.52 | 41.58 |
| | 60 | 1.81 | 89.60 | 71.68 | 65.16 | 59.73 | 51.20 | 44.80 |

Row Spacing Multiplier
10" X 3.3
15" X 2.0
20" X 1.5
36" X .83
38" X .79
40" X .75

Values in this chart area based on using water. To calculate nozzle size required for your fertilizer application, the weight of the fertilizer solution must be accounted for by using a conversion factor for specific gravity. The Conversion factor for 28% liquid nitrogen is 1.13. Example: desired rate of application is 10 GPA of 28% N multiply 10 gallons per acre of fertilizer you want to apply x the conversion factor for 28% N (1.13) to get an equivalent rate for water. 10 x 1.13 refers to the chart for 11.13 gallons per acre at your desired speed/MPH.

GPA = $\frac{5940 \times \text{GPM}}{\text{MPH} \times \text{W}}$
 (Per Nozzle)

H2O = WATER
GPA = GALLON PER ACRE
GPM = GALLON PER MINUTES
MPH = MILES PER HOUR
W = WIDTH

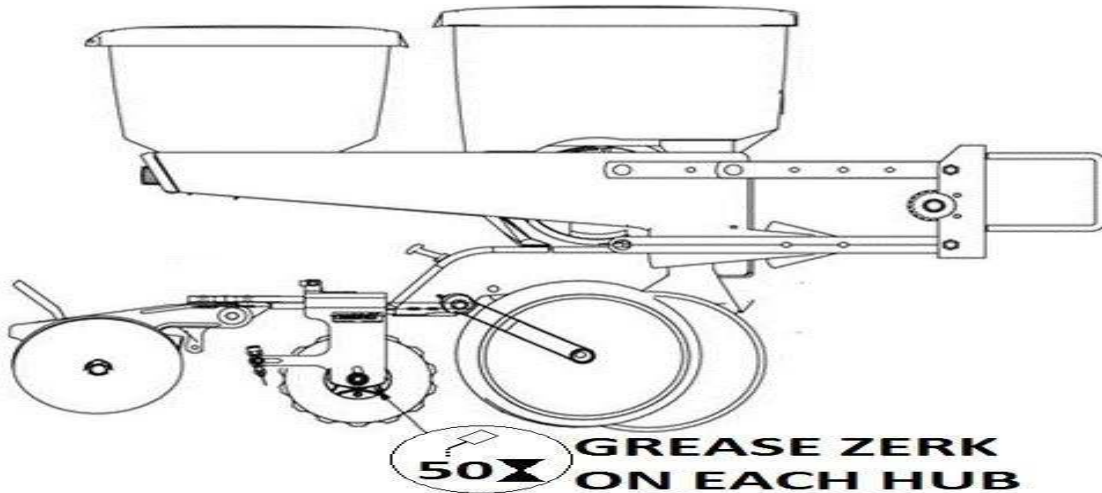
SOLUTION
28% = H2O/1.13
32% = H2O/1.15

This table is a reference only. Please calibrate your equipment to insure proper rate of application.

The information contained in this issue is offered in good faith by Yetter Mfg. Co. to further the understanding of liquid fertilizer application.

However, the use of the information provided is beyond the control of Yetter Mfg. Co. and in no case shall Yetter Mfg. Co. or any seller of its products be responsible for any damages that may occur from the use of this information.

MAINTENANCE



IMPORTANT: If seal is removed from hub/bearing assembly, grease bearing Every 50 hours. If seal is left assembled, 2-3 pumps of grease twice a year, depending on acres, is sufficient.



IMPORTANT: For proper operation, the planter frame must operate level (fore, aft & side to side) and at the correct height, typically 20"-22".

Regularly inspect the residue manager for loose or worn parts. Repair and replace as needed.

BEARING ASSEMBLY AND LUBRICATION

Practice Safety

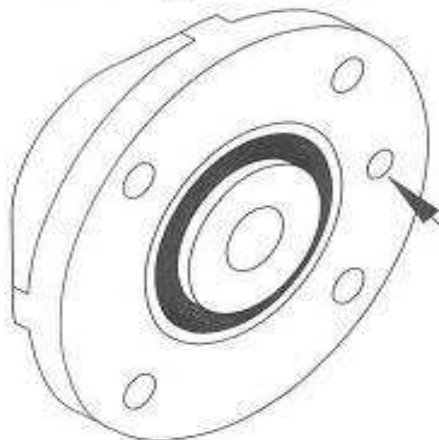
Understand and practice safe service procedures before doing work. Follow ALL the operating, maintenance and safety information in the equipment operator manual. Clear the area of bystanders, especially small children, when performing any maintenance or adjustments. Keep work area clean and dry. Use adequate lighting for the job. Use only tools, jacks and hoists of sufficient capacity for the job.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven moving and rotating parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground and stop the engine. Remove the key. Wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.

Securely support any machine elements with blocks or safety stands that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damaged equipment immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

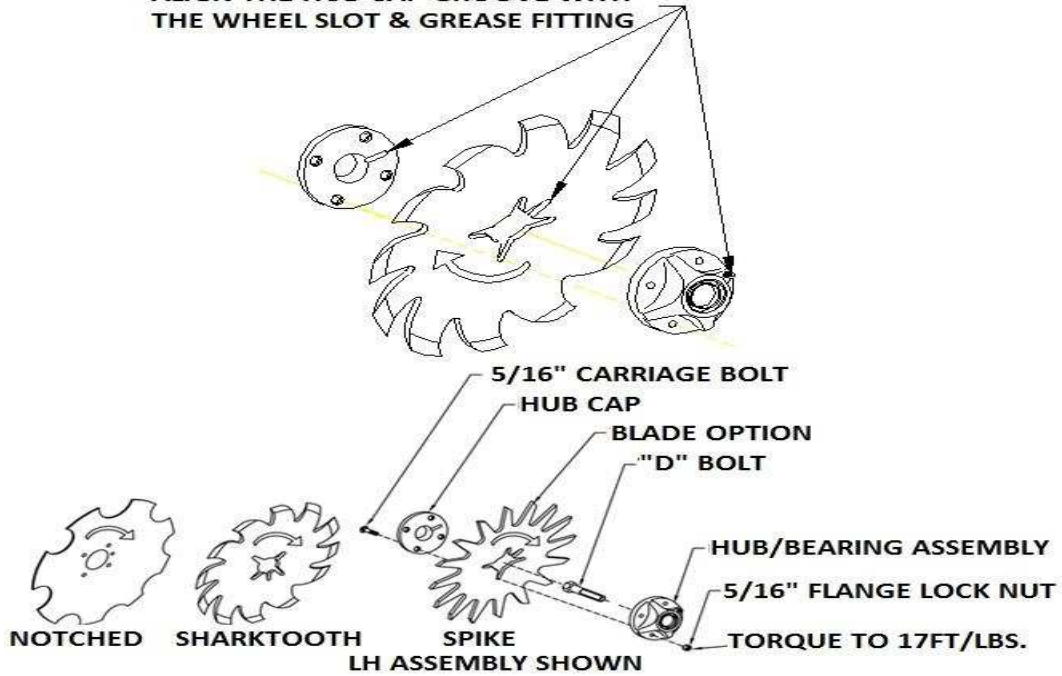
Make sure all guards are in place and properly secured when maintenance work is completed.



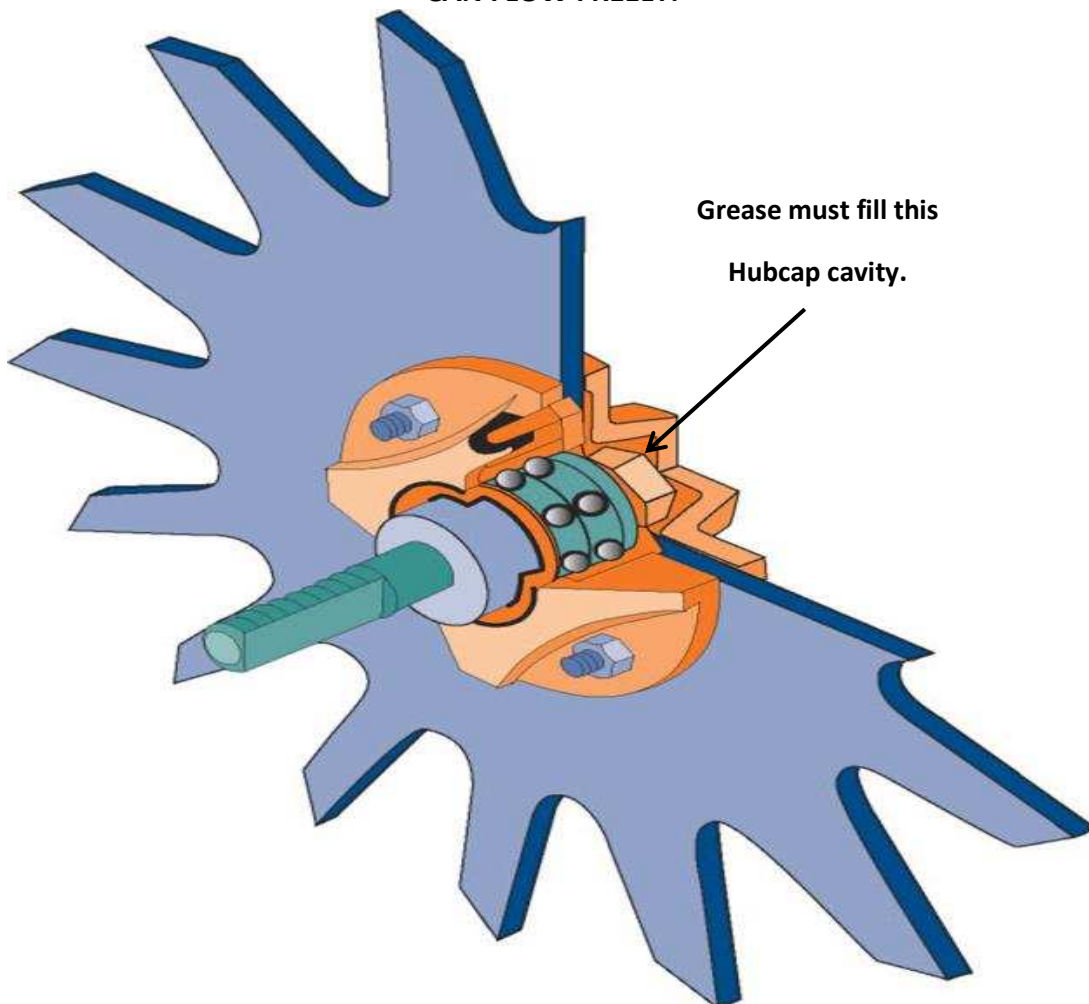
ALIGN GREASE FITTING HOLES.

MAINTENANCE

ALIGN THE HUB CAP GROOVE WITH THE WHEEL SLOT & GREASE FITTING



NOTE: BE CERTAIN TO ALIGN THE GREASE FITTING WITH THE SLOT IN THE WHEEL & HUBCAP SO THAT THE GREASE CAN FLOW FREELY.



MAINTENANCE

CAUTION: To help prevent serious injury/death to you or others caused by unexpected movement, service machine on a level surface. Lower machine to ground or sufficiently lock or block raised machine before servicing. If machine is connected to tractor, engage parking brake & place transmission in "PARK", shut off engine, & remove key. If machine is detached from tractor, block wheels & use shop stands to prevent movement.



CAUTION: DO NOT CLEAN, LUBRICATE, OR ADJUST MACHINE WHILE IN MOTION

Use grease based on NLGI consistency numbers & the expected air temperature range during the service interval. Use a **multi-purpose polyurea, water resistant, moderate speed, & NLGI grade #2** grease. Other greases may be used if they meet the following **NLGI Performance**.

IMPORTANT: Some types of grease thickener are not compatible with others. Consult your grease supplier before mixing different types of greases.

Alternative Lubricants

Conditions in certain geographical areas may require special lubricants & lubrication practices which do not appear in the operator's manual. If there are any questions, consult Yetter Manufacturing Co. to obtain latest information & recommendation.

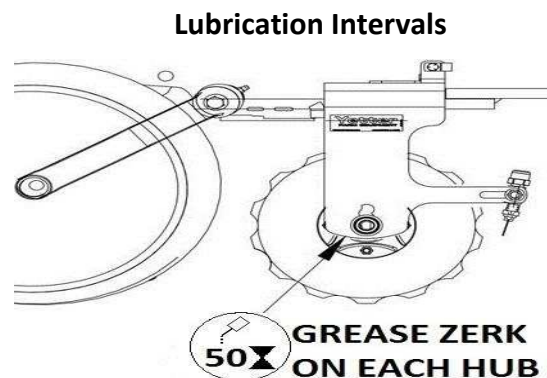
| PART # | DESCRIPTION | OUNCES OF GREASE |
|----------|----------------------|------------------|
| 2968-320 | 10" FERTILIZER WHEEL | 1.12 OZ |
| 2968-364 | 11" FERTILIZER WHEEL | 1.12 OZ |

Storing Lubricants

Your machine can operate at top efficiency only if clean lubricants are used. Use clean containers to handle all lubricants. **Store them in an area protected from dust, moisture and other contaminants**

LUBRICATION SYMBOLS

Lubricate with grease at hourly interval indicated on symbol if seal has been removed. If seal is left installed on hub/bearing assembly, apply 2 – 3 pumps of grease to each hub twice a season to keep cavity full.



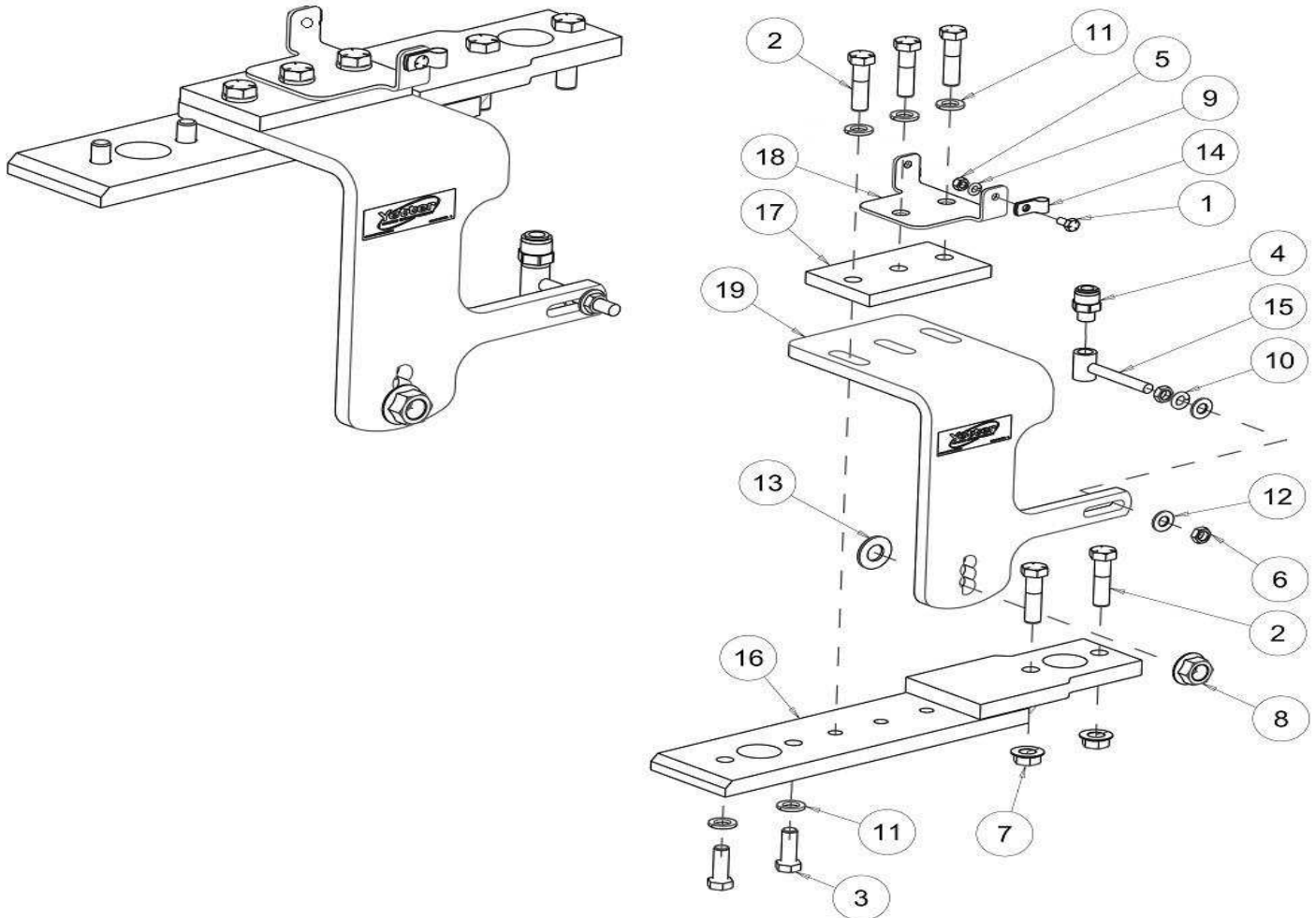
IMPORTANT: The recommended service intervals are based on normal conditions; severe or unusual conditions may require more frequent lubrication. Perform each lubrication and service procedure at the beginning & end of each season. Clean grease fittings before using grease gun, to avoid injecting dirt & grit into the bearing. Replace any lost or broken fittings immediately. If a fitting fails to take grease, remove & clean thoroughly, replace fitting if necessary. Also check for failure of adjoining parts.

BEARING REPLACEMENT INSTALLATION

1. When assembling the spoke wheels, bearing assembly and hubcap, be sure to align the grease transfer hole in the spoke wheel with the groove in the hubcap and hole in the hub to allow grease passage.
2. Assemble the wheels, hubs and caps.
3. Grease the wheel/hub/bearing assembly.

2968-020A-L-LB PARTS IDENTIFICATION

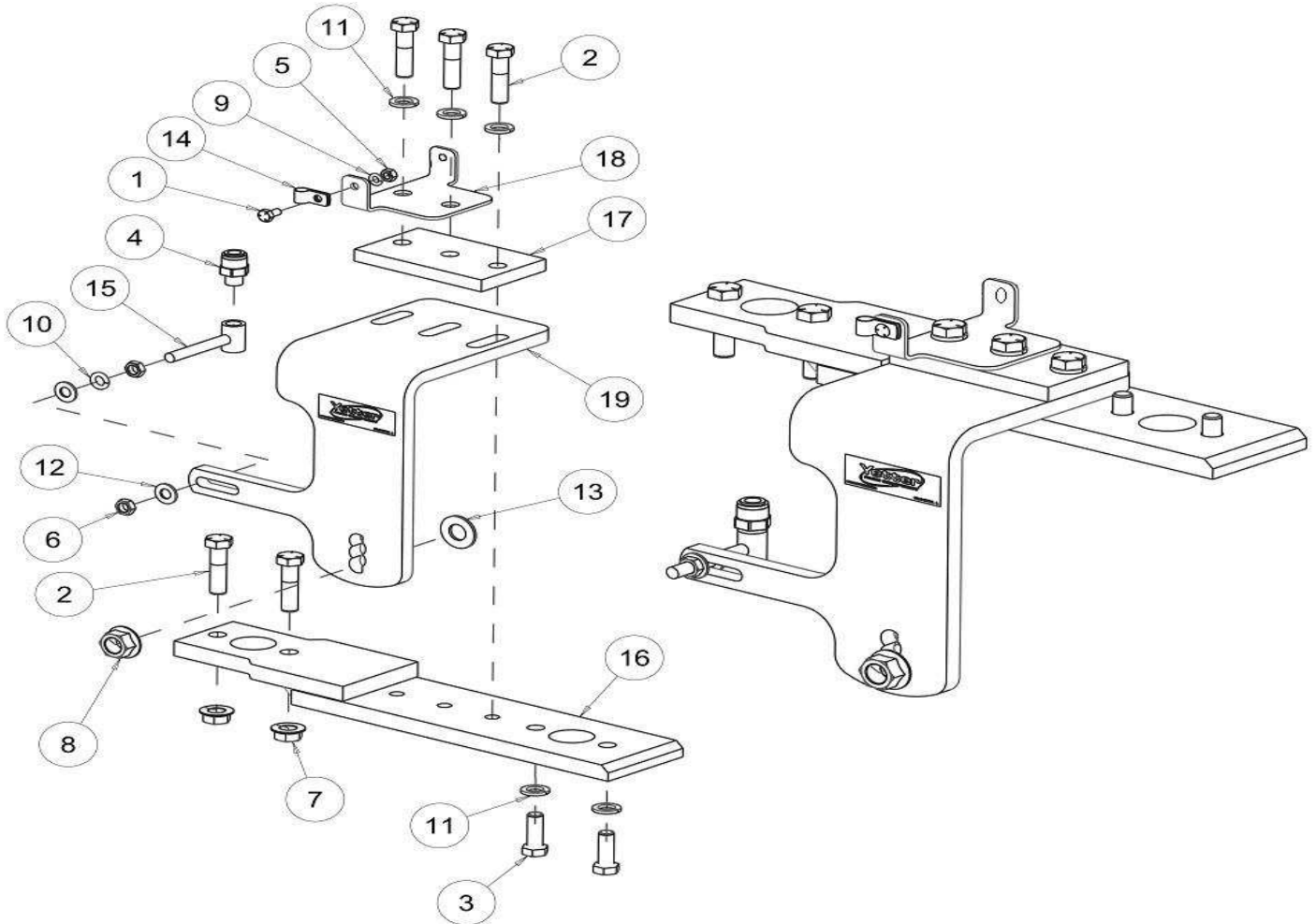
FOR JD 1700, 7200, & 7300



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 5 |
| 3 | 2502-379 | M12 X 1.75 X 35 GRD 10.9 ZYD | 2 |
| 4 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 1 |
| 5 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 6 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 2 |
| 7 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 8 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 9 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 10 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 11 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 12 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 13 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 14 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 15 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 16 | 2968-222 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 17 | 2968-361 | ARM CLAMP | 1 |
| 18 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 19 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |

2968-020A-R-LB PARTS IDENTIFICATION

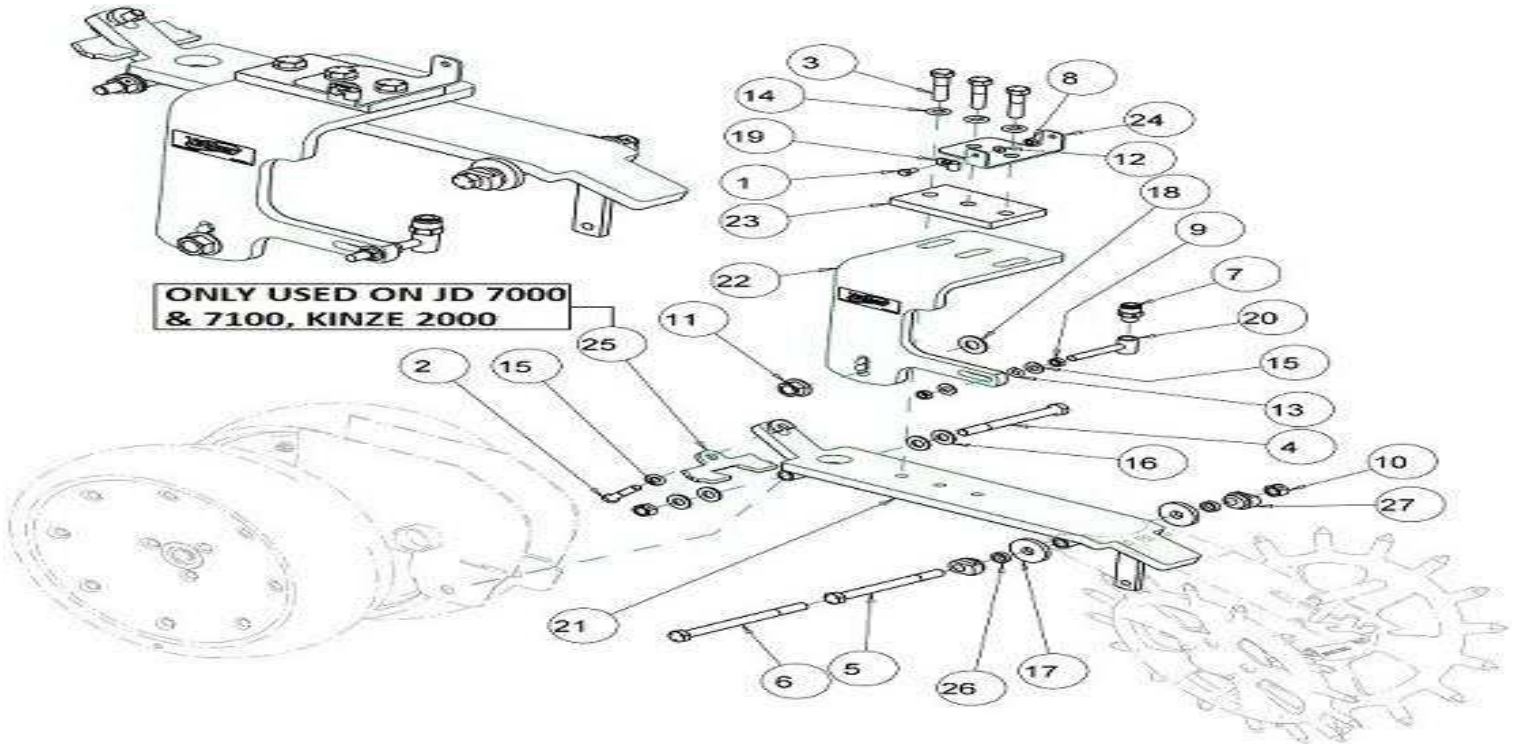
FOR JD 1700, 7200, & 7300



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 5 |
| 3 | 2502-379 | M12 X 1.75 X 35 GRD 10.9 ZYD | 2 |
| 4 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 1 |
| 5 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 6 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 2 |
| 7 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 8 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 9 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 10 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 11 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 12 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 13 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 14 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 15 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 16 | 2968-222 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 17 | 2968-361 | ARM CLAMP | 1 |
| 18 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 19 | 2968-359-RH | RH SHORT FERTILIZER WHEEL MOUNT | 1 |

2968-021A-L-LB PARTS IDENTIFICATION

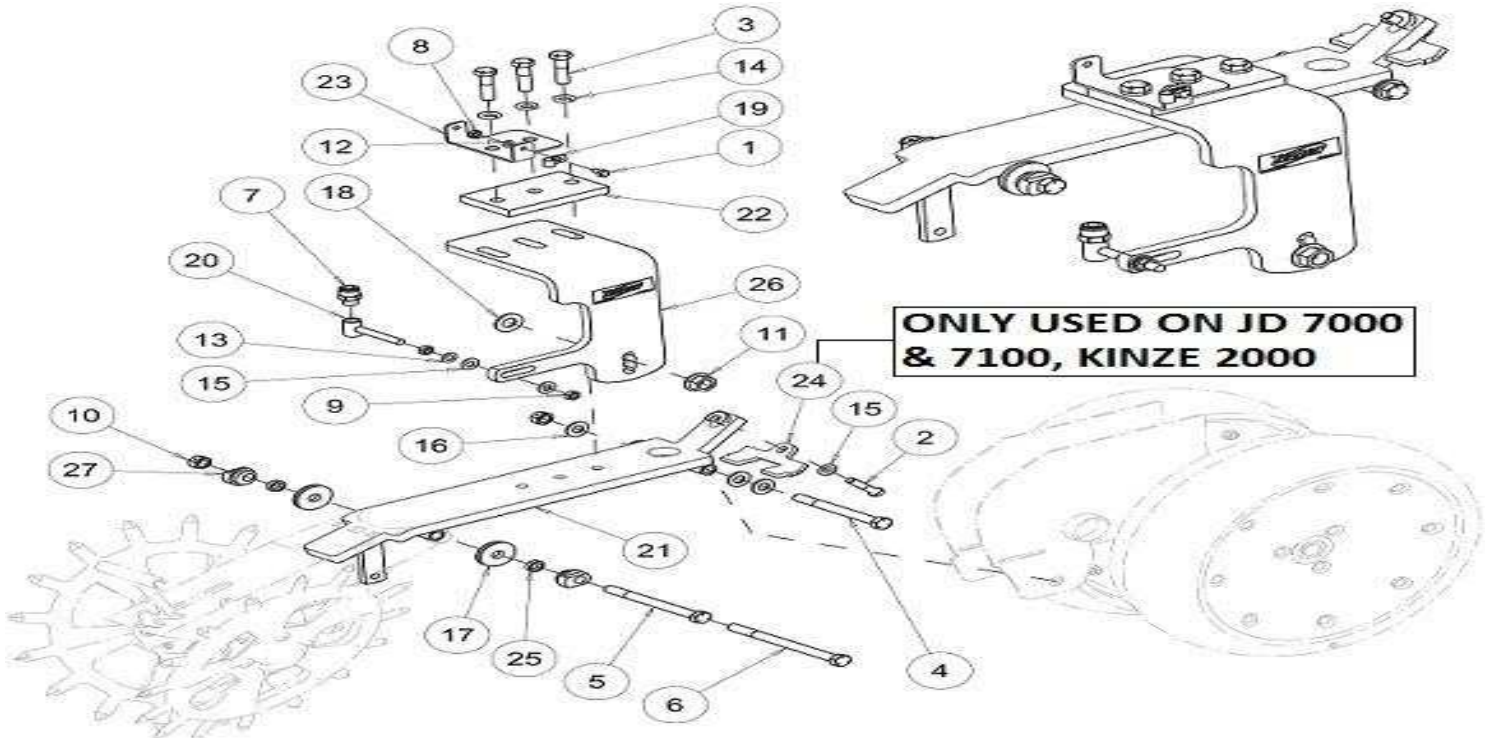
FOR JD 7000 & 7100, KINZE 2000 & 3000



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-232 | 3/8 - 16 X 1 ½ HHCS GR 5 ZYD (USED ON KINZE 3000) | 1 |
| | 2502-245 | 3/8 - 16 1 ¼ HHCS GR 5 ZP (USED ON JD 7000 & 7100, KINZE 2000) | 1 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 3 |
| 4 | 2502-362 | ½ - 13 X 5 HHCS GR 5 ZP | 1 |
| 5 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 7 | 2515-846 | MALE CONNECTOR - 3/8 X ¼ NPTF | 1 |
| 8 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 9 | 2520-253 | 3/8 - 16 JAM HEX NUT ZP | 2 |
| 10 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 11 | 2520-464 | 5/8 - 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 12 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 13 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 14 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 15 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 3 |
| 16 | 2526-352 | ½ SAE FLAT WASHER ZP | 4 |
| 17 | 2526-402 | 9/16ID X 1 ¼OD X 1/4MB ZP | 2 |
| 18 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 19 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 20 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 21 | 2968-223 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 22 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 23 | 2968-361 | ARM CLAMP | 1 |
| 24 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 25 | 2968-370 | GAUGE WHEEL ARM STOP(ONLY USED ON JD 7000 & 7100, KINZE 2000) | 1 |
| 26 | 2968-373 | SPACER | 2 |
| 27 | 6000-523 | ECCENTRIC BUSHING CLOSE WHEEL | 2 |

2968-021A-R-LB PARTS IDENTIFICATION

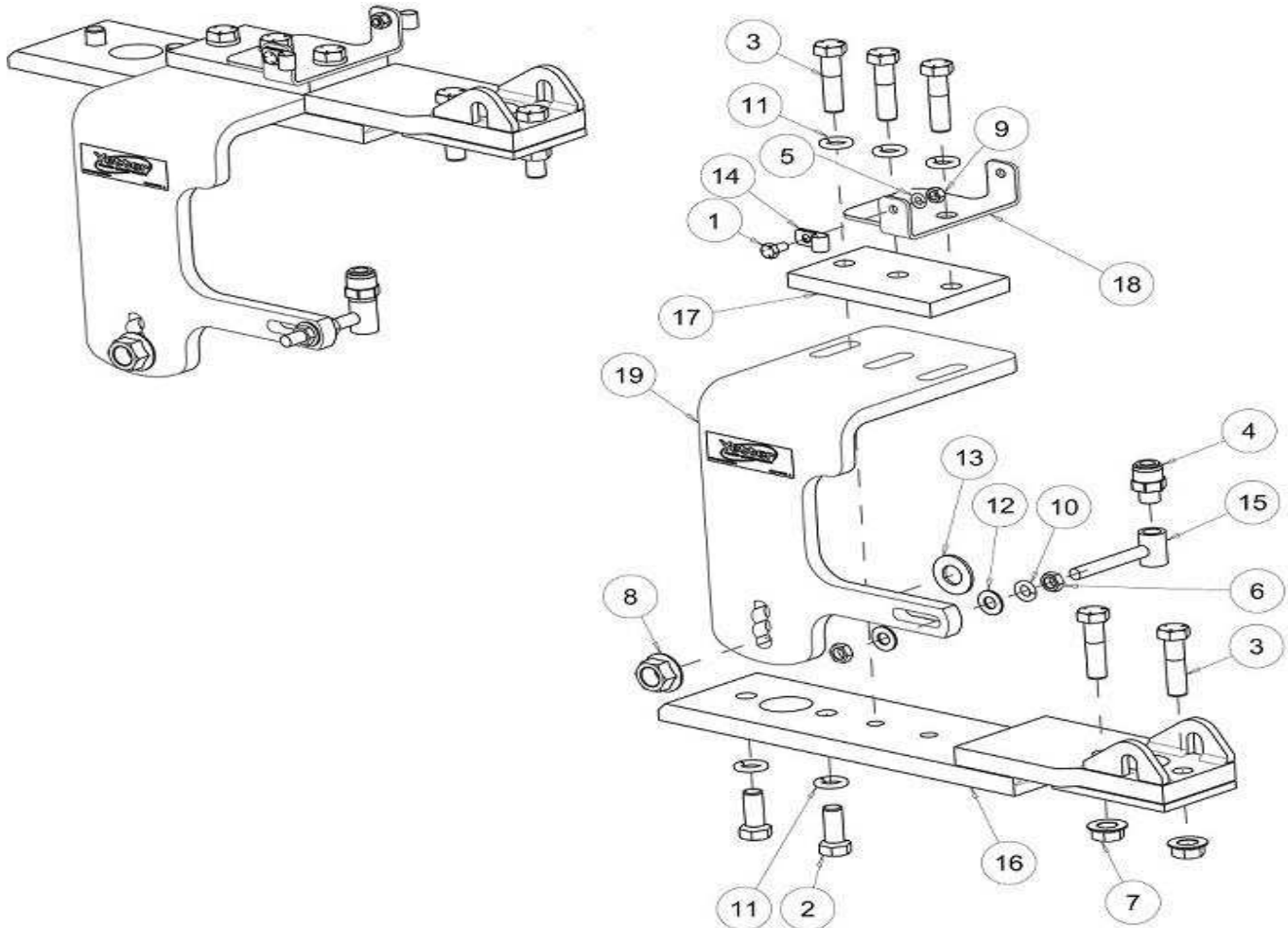
FOR JD 7000 & 7100, KINZE 2000 & 3000



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-232 | 3/8 - 16 X 1 ½ HHCS GR 5 ZYD (USED ON KINZE 3000) | 1 |
| | 2502-245 | 3/8 - 16 1 ¼ HHCS GR 5 ZP (USED ON JD 7000 & 7100, KINZE 2000) | 1 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 3 |
| 4 | 2502-362 | ½ - 13 X 5 HHCS GR 5 ZP | 1 |
| 5 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 7 | 2515-846 | MALE CONNECTOR - 3/8 X ¼ NPTF | 1 |
| 8 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 9 | 2520-253 | 3/8 - 16 JAM HEX NUT ZP | 2 |
| 10 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 11 | 2520-464 | 5/8 - 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 12 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 13 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 14 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 15 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 3 |
| 16 | 2526-352 | ½ SAE FLAT WASHER ZP | 4 |
| 17 | 2526-402 | 9/16ID X 1 ¾OD X 1/4MB ZP | 2 |
| 18 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 19 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 20 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 21 | 2968-223 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 22 | 2968-361 | ARM CLAMP | 1 |
| 23 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 24 | 2968-370 | GAUGE WHEEL ARM STOP(ONLY USED ON JD 7000 & 7100, KINZE 2000) | 1 |
| 25 | 2968-373 | SPACER | 2 |
| 26 | 2968-359-RH | RH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 27 | 6000-523 | ECCENTRIC BUSHING CLOSE WHEEL | 2 |

2968-026A-L-LB PARTS IDENTIFICATION

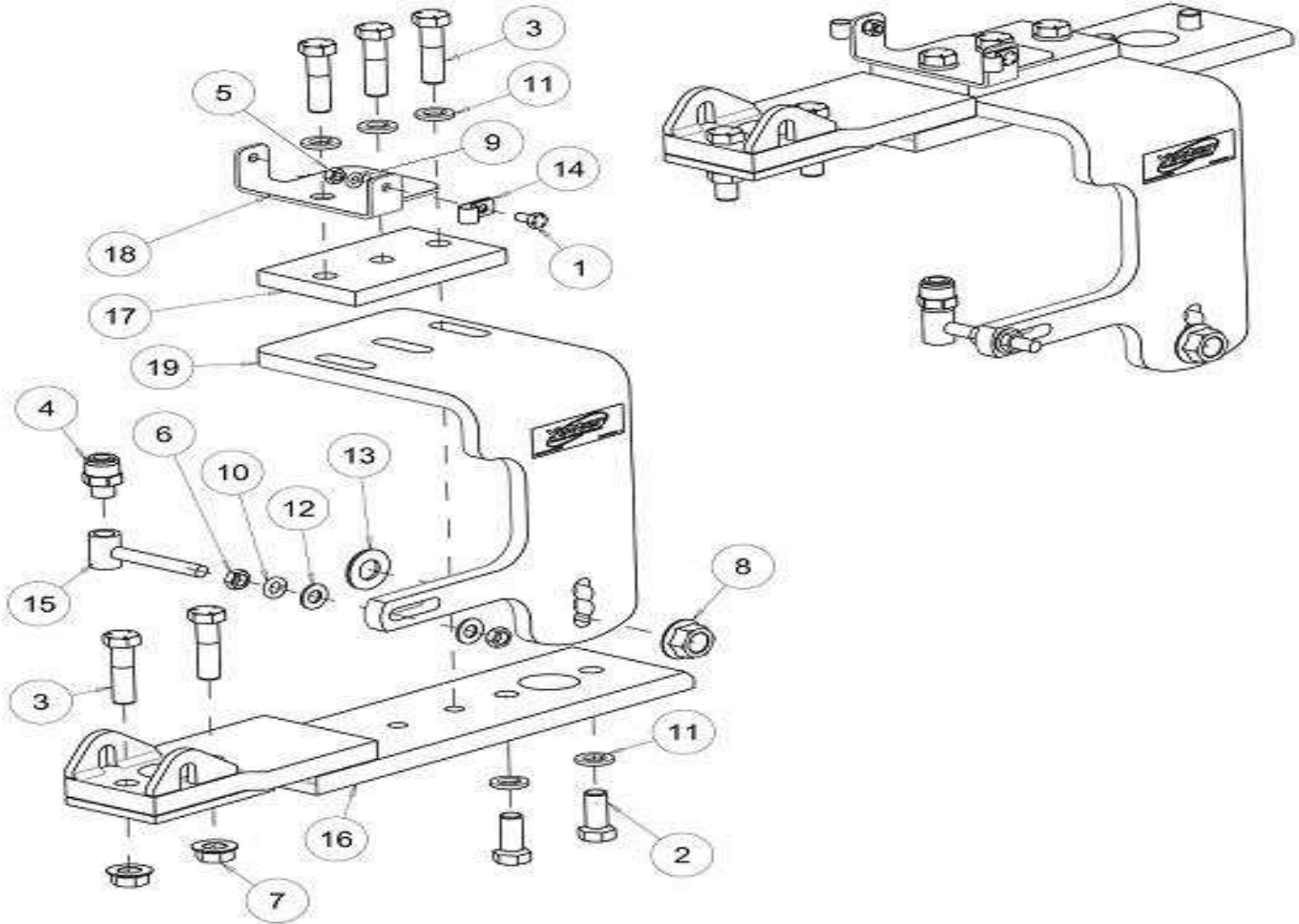
HARVEST INTERNATIONAL



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-293 | ½ - 13 X 1 ¼ HHCS GR 5 ZP | 2 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 5 |
| 4 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 1 |
| 5 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 6 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 2 |
| 7 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 8 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 9 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 10 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 11 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 12 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 13 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 14 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 15 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 16 | 2968-225 | FERTILIZER CLOSE WHEEL MOUNT W.A., HARVEST INTL | 1 |
| 17 | 2968-361 | ARM CLAMP | 1 |
| 18 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 19 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |

2968-026A-R-LB PARTS IDENTIFICATION

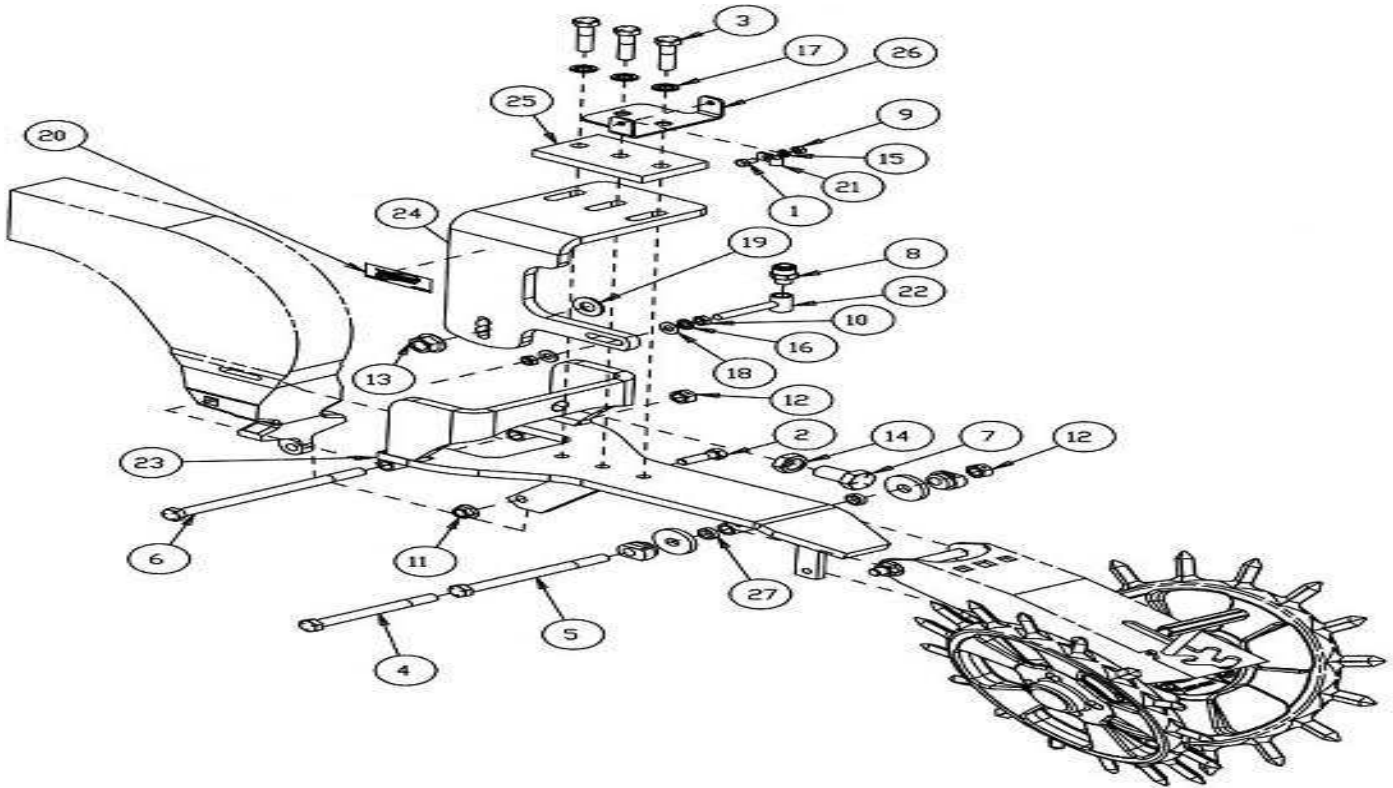
HARVEST INTERNATIONAL



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-293 | ½ - 13 X 1 ¼ HHCS GR 5 ZP | 2 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 5 |
| 4 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 1 |
| 5 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 6 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 2 |
| 7 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 8 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 9 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 10 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 11 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 12 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 13 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 14 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 15 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 16 | 2968-225 | FERTILIZER CLOSE WHEEL MOUNT W.A., HARVEST INTL | 1 |
| 17 | 2968-361 | ARM CLAMP | 1 |
| 18 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 19 | 2968-359-RH | RH SHORT FERTILIZER WHEEL MOUNT | 1 |

2968-027A-L-LB PARTS IDENTIFICATION

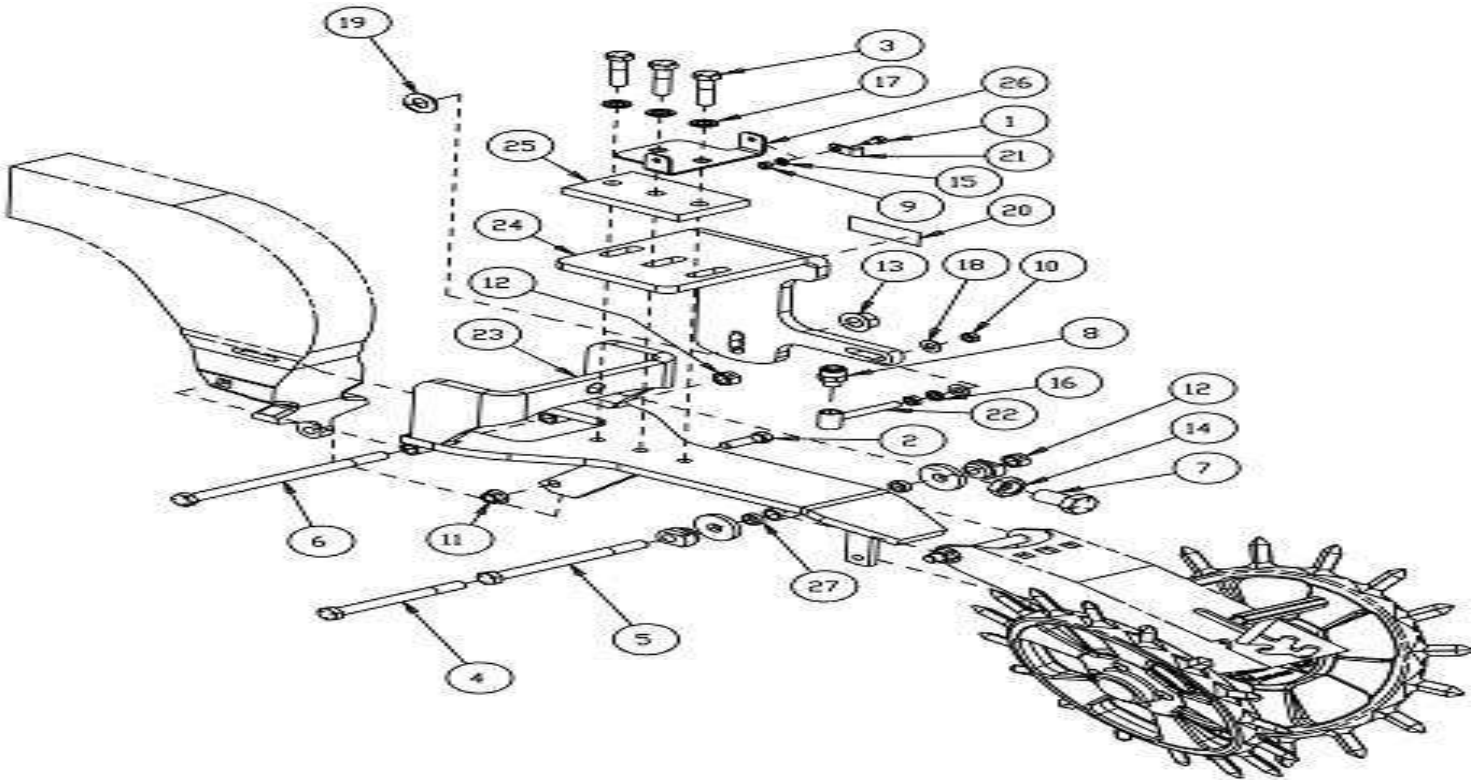
KINZE 4900



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--------------------------------------|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-266 | 7/16 - 14 X 1 ½ HHCS GR 5 ZP | 1 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 3 |
| 4 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 5 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-375 | ½ - 13 X 8 ½ HHCS GR 5 ZP | 1 |
| 7 | 2502-501 | ¾ - 10 X 1 ½ HHCS GR 5 ZP | 1 |
| 8 | 2515-846 | MALE CONNECTOR - 3/8 X ¼ NPTF | 1 |
| 9 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 10 | 2520-253 | 3/8 - 16 JAM HEX NUT ZP | 2 |
| 11 | 2520-307 | 7/16 - 14 FLANGE LOCK NUT | 1 |
| 12 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 13 | 2520-464 | 5/8 - 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 14 | 2520-502 | ¾ - 10 HEX JAM NUT, GR 2, ZP | 1 |
| 15 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 16 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 17 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 18 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 19 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 20 | 2565-179 | YETTER DECAL | 1 |
| 21 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 22 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 23 | 2968-228 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 24 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 25 | 2968-361 | ARM CLAMP | 1 |
| 26 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 27 | 2968-373 | SPACER | 2 |

2968-027-R-LB PARTS IDENTIFICATION

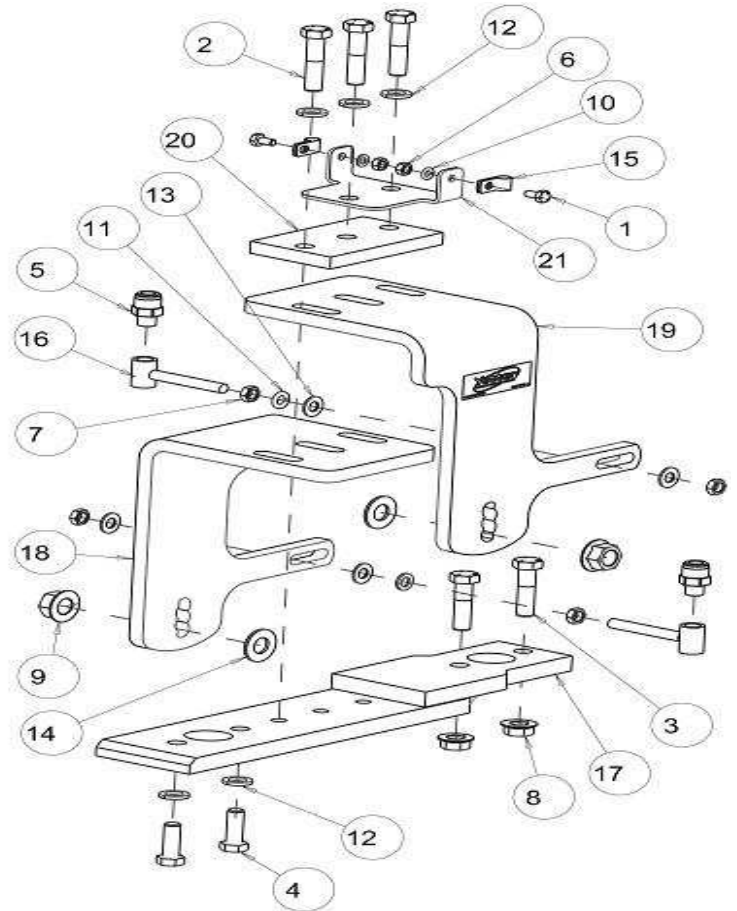
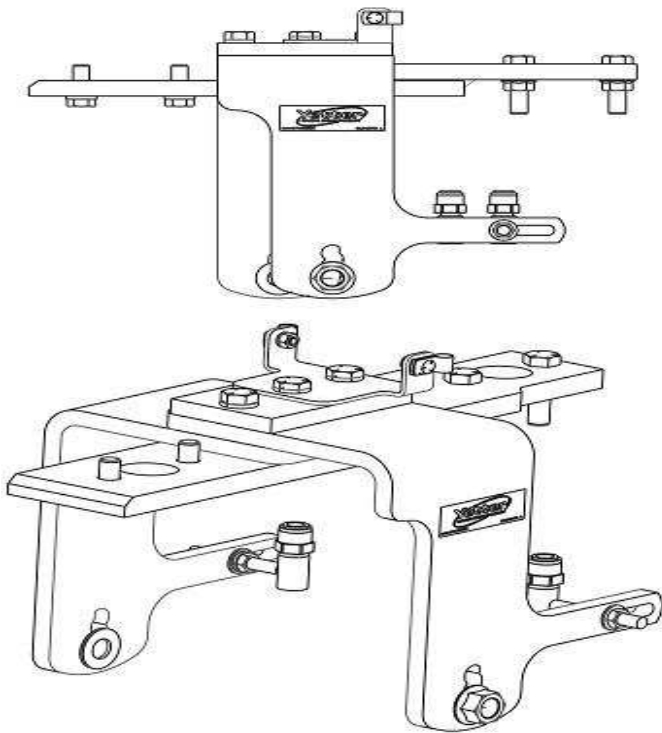
KINZE 4900



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--------------------------------------|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-266 | 7/16 - 14 X 1 ½ HHCS GR 5 ZP | 1 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 3 |
| 4 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 5 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-375 | ½ - 13 X 8 ½ HHCS GR 5 ZP | 1 |
| 7 | 2502-501 | ¾ - 10 X 1 ½ HHCS GR 5 ZP | 1 |
| 8 | 2515-846 | MALE CONNECTOR - 3/8 X ¼ NPTF | 1 |
| 9 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 10 | 2520-253 | 3/8 - 16 JAM HEX NUT ZP | 2 |
| 11 | 2520-307 | 7/16 - 14 FLANGE LOCK NUT | 1 |
| 12 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 13 | 2520-464 | 5/8 - 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 14 | 2520-502 | ¾ - 10 HEX JAM NUT, GR 2, ZP | 1 |
| 15 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 16 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 17 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 18 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 19 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 20 | 2565-179 | YETTER DECAL | 1 |
| 21 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 22 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 23 | 2968-228 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 24 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 25 | 2968-361 | ARM CLAMP | 1 |
| 26 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 27 | 2968-373 | SPACER | 2 |

2968-040-LB PARTS IDENTIFICATION

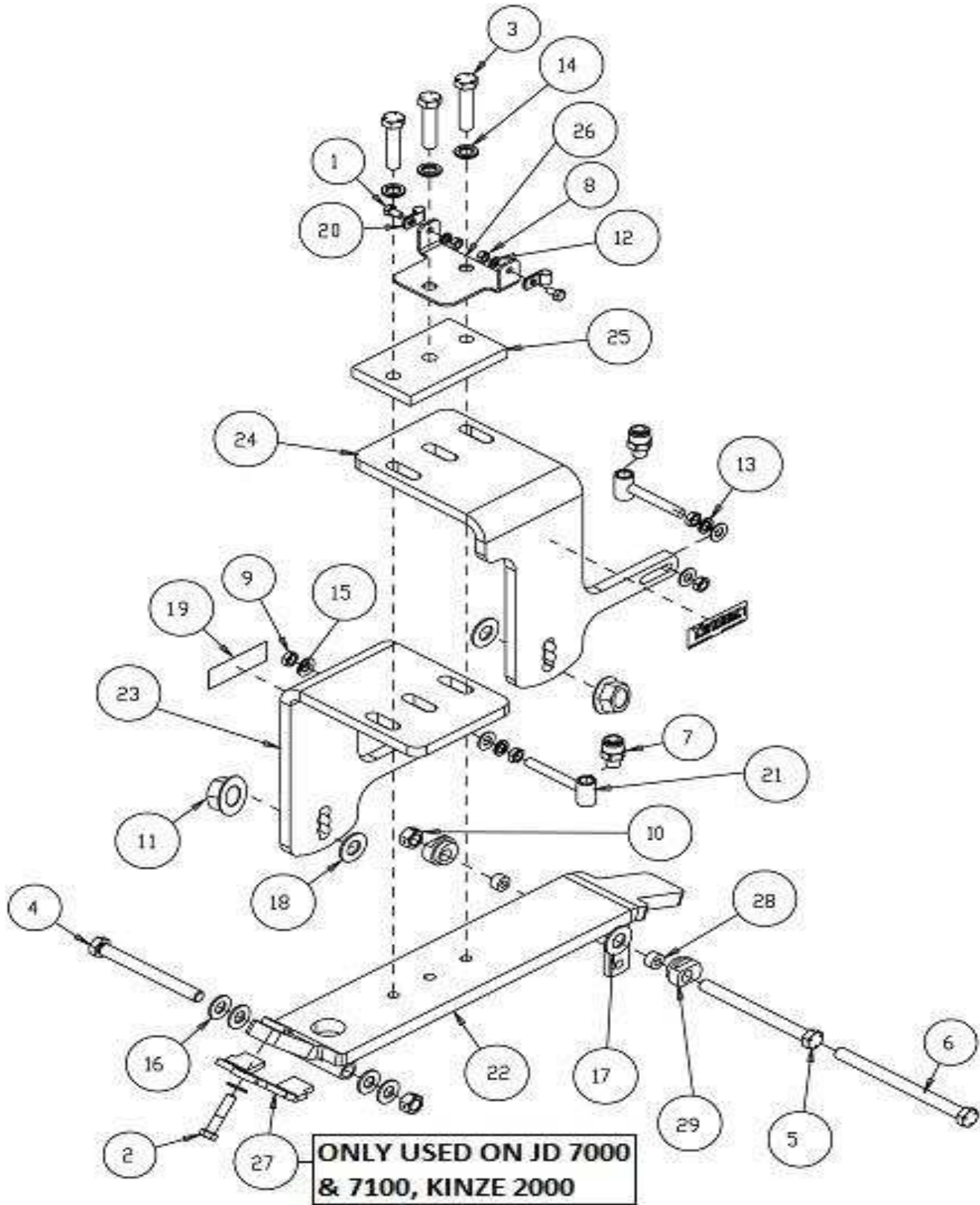
FOR JD 1700, 7200, & 7300



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-314 | ½ - 13 X 2 ¼ HHCS GR 5 ZP | 3 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 2 |
| 4 | 2502-379 | M12 X 1.75 X 35 GRD 10.9 ZYD | 2 |
| 5 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 2 |
| 6 | 2520-151 | ¼ - 20 HEX NUT ZP | 2 |
| 7 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 4 |
| 8 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 9 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 2 |
| 10 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 2 |
| 11 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 2 |
| 12 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 13 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 4 |
| 14 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 2 |
| 15 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 2 |
| 16 | 2968-218 | INJECTOR HOLDER W.A. | 2 |
| 17 | 2968-222 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 2 |
| 18 | 2968-359-RH | RH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 19 | 2968-360 | TALL FERT. WHEEL MOUNT | 1 |
| 20 | 2968-361 | ARM CLAMP | 1 |
| 21 | 2968-363 | FORMED HOSE HOLDER | 2 |

2968-041-LB PARTS IDENTIFICATION

FOR JD 7000 & 7100, KINZE 2000 & 3000



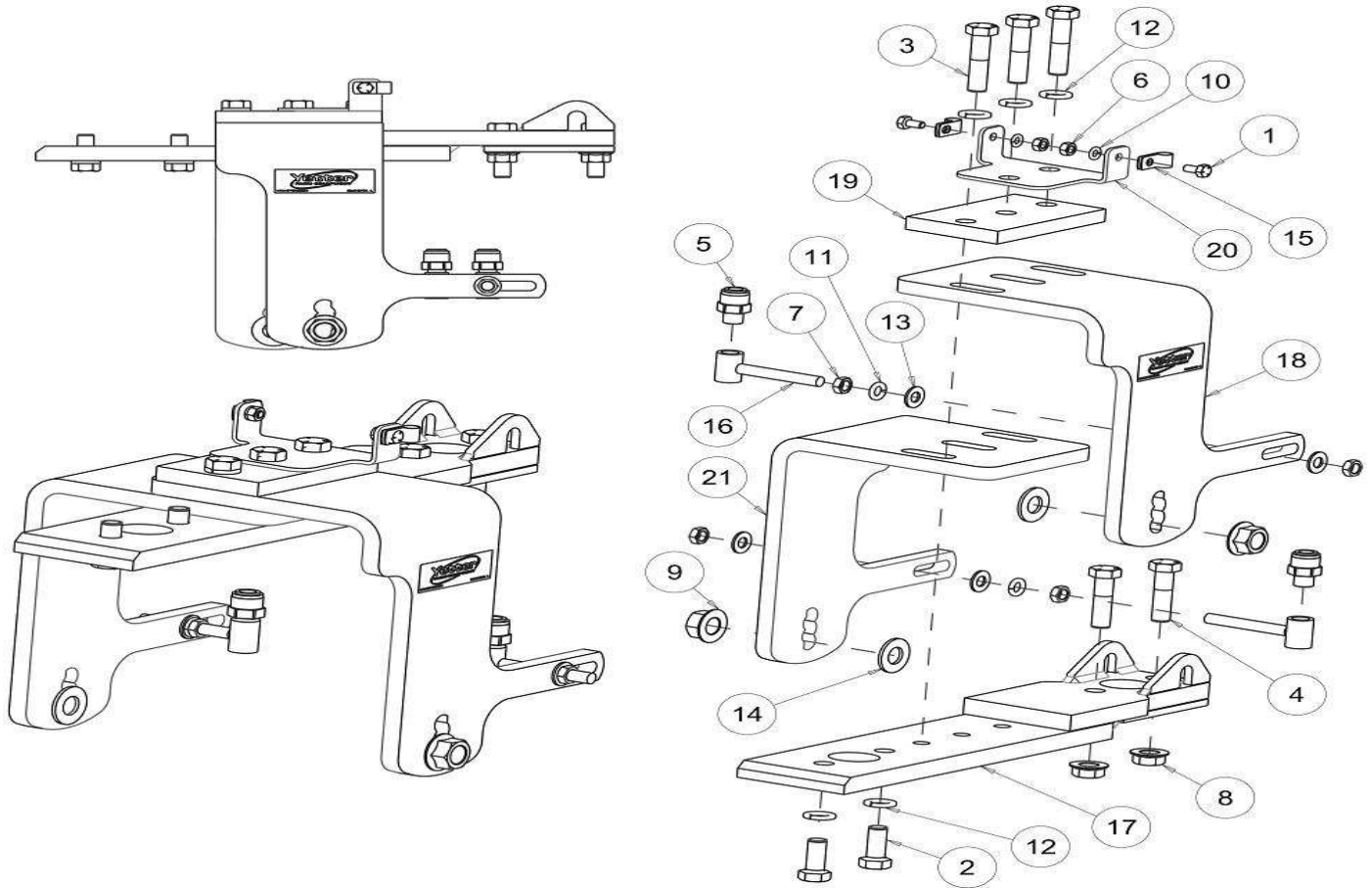
2968-041-LB PARTS IDENTIFICATION

FOR JD 7000 & 7100, KINZE 2000 & 3000

| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 2 |
| 2 | 2502-245 | 3/8 – 16 1 ¼ HHCS GR 5 ZP | 1 |
| 3 | 2502-314 | ½ - 13 X 2 ¼ HHCS GR 5 ZP | 3 |
| 4 | 2502-362 | ½ - 13 X 5 HHCS GR 5 ZP | 1 |
| 5 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 7 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 2 |
| 8 | 2520-151 | ¼ - 20 HEX NUT ZP | 2 |
| 9 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 4 |
| 10 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 11 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 2 |
| 12 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 13 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 2 |
| 14 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 15 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 5 |
| 16 | 2526-352 | ½ SAE FLAT WASHER ZP | 4 |
| 17 | 2526-402 | 9/16ID X 1 ¾OD X 1/4MB ZP | 2 |
| 18 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 19 | 2565-179 | YETTER DECAL | 2 |
| 20 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 21 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 22 | 2968-223 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 23 | 2968-359-RH | RH SHORT FERTILIZER WHEEL | 1 |
| 24 | 2968-360 | TALL FERTILIZER WHEEL MOUNT | 1 |
| 25 | 2968-361 | ARM CLAMP | 1 |
| 26 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 27 | 2968-370 | GAUGE WHEEL ARM STOP (ONLY USED ON JD 7000 & 7100, KINZE 2000) | 1 |
| 28 | 2968-373 | SPACER | 2 |
| 29 | 6000-523 | ECCENTRIC BUSHING CLOSE WHEEL MOUNT | 2 |

2968-044-R-LB PARTS IDENTIFICATION

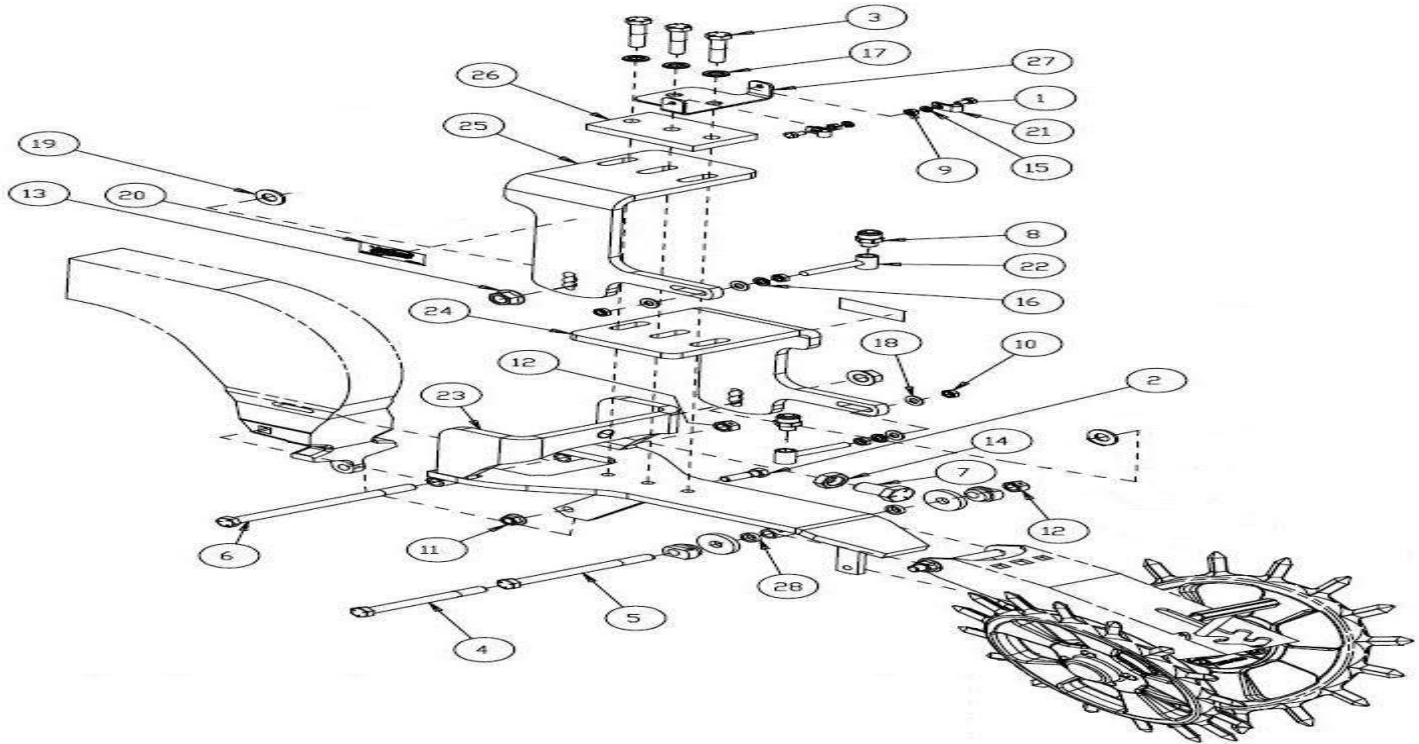
HARVEST INTERNATIONAL



| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|---|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 2 |
| 2 | 2502-293 | ½ - 13 X 1 ¼ HHCS GR 5 ZP | 2 |
| 3 | 2502-314 | ½ - 13 2 ¼ HHCS GR 5 ZP | 3 |
| 4 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 2 |
| 5 | 2515-846 | MALE CONNECTOR – 3/8 X ¼ NPTF | 2 |
| 6 | 2520-151 | ¼ - 20 HEX NUT ZP | 2 |
| 7 | 2520-253 | 3/8 – 16 JAM HEX NUT ZP | 4 |
| 8 | 2520-361 | ½ - 13 FLANGE WHIZ LOCK HEX NUT, GR 5, ZP | 2 |
| 9 | 2520-464 | 5/8 – 11 WHIZ LOCK HEX NUT, GR 2, ZP | 2 |
| 10 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 2 |
| 11 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 2 |
| 12 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 5 |
| 13 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 4 |
| 14 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 2 |
| 15 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 2 |
| 16 | 2968-218 | INJECTOR HOLDER W.A. | 2 |
| 17 | 2968-225 | FERTILIZER CLOSE WHEEL MOUNT W.A., HARVEST INTL | 1 |
| 18 | 2968-360 | TALL FERTILIZER WHEEL MOUNT | 1 |
| 19 | 2968-361 | ARM CLAMP | 1 |
| 20 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 21 | 2968-359-RH | RH SHORT FERTILIZER WHEEL MOUNT | 1 |

2968-045-LB PARTS IDENTIFICATION

KINZE 4900



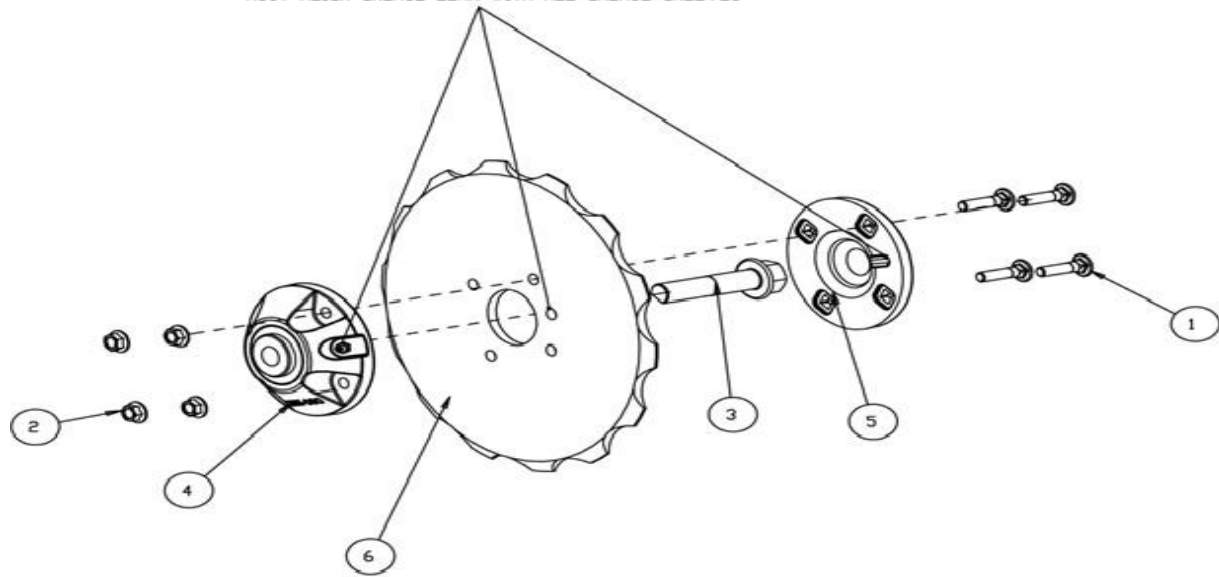
| ITEM | PART # | DESCRIPTION | QTY |
|------|-------------|--------------------------------------|-----|
| 1 | 2502-104 | ¼ - 20 X ½ HHCS GR 5 ZYD | 1 |
| 2 | 2502-266 | 7/16 - 14 X 1 ½ HHCS GR 5 ZP | 1 |
| 3 | 2502-351 | ½ - 13 X 2 HHCS GR 5 ZP | 3 |
| 4 | 2502-368 | ½ - 13 X 5 ½ HHCS GR 5 ZP | 1 |
| 5 | 2502-372 | ½ - 13 X 6 ½ HHCS GR 5 ZP | 1 |
| 6 | 2502-375 | ½ - 13 X 8 ½ HHCS GR 5 ZP | 1 |
| 7 | 2502-501 | ¾ - 10 X 1 ½ HHCS GR 5 ZP | 1 |
| 8 | 2515-846 | MALE CONNECTOR - 3/8 X ¼ NPTF | 1 |
| 9 | 2520-151 | ¼ - 20 HEX NUT ZP | 1 |
| 10 | 2520-253 | 3/8 - 16 JAM HEX NUT ZP | 2 |
| 11 | 2520-307 | 7/16 - 14 FLANGE LOCK NUT | 1 |
| 12 | 2520-357 | ½ - 13 LOCK HEX NUT, GR A, ZP | 2 |
| 13 | 2520-464 | 5/8 - 11 WHIZ LOCK HEX NUT, GR 2, ZP | 1 |
| 14 | 2520-502 | ¾ - 10 HEX JAM NUT, GR 2, ZP | 1 |
| 15 | 2525-151 | ¼ MEDIUM LOCK WASHER ZP | 1 |
| 16 | 2525-251 | 3/8 MEDIUM LOCK WASHER ZP | 1 |
| 17 | 2525-352 | ½ MEDIUM LOCK WASHER ZP | 3 |
| 18 | 2526-253 | 3/8 SAE FLAT WASHER ZP | 2 |
| 19 | 2526-454 | 5/8 SAE FLAT WASHER HARDENED ZP | 1 |
| 20 | 2565-179 | YETTER DECAL | 1 |
| 21 | 2570-724 | 3/8 HOSE P-CLIP WITH VINYL CUSHION | 1 |
| 22 | 2968-218 | INJECTOR HOLDER W.A. | 1 |
| 23 | 2968-228 | FERTILIZER CLOSE WHEEL MOUNT W.A. | 1 |
| 24 | 2968-359-LH | LH SHORT FERTILIZER WHEEL MOUNT | 1 |
| 25 | 2968-360 | TALL FERTILIZER WHEEL MOUNT | 1 |
| 26 | 2968-361 | ARM CLAMP | 1 |
| 27 | 2968-363 | FORMED HOSE HOLDER | 1 |
| 28 | 2968-373 | SPACER | 2 |

PARTS IDENTIFICATION

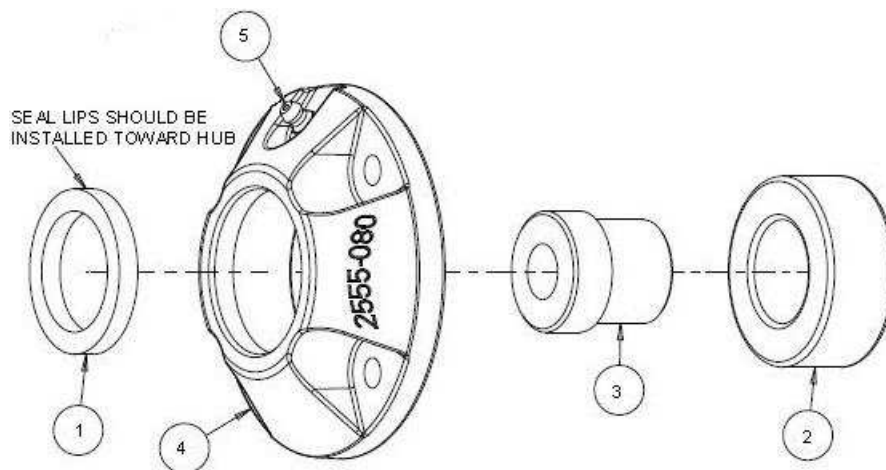
2968-132 (SHOWN) 10" WHEEL ASSEMBLY

2968-133 11" WHEEL ASSEMBLY

MUST ALIGN GREASE ZERK WITH ALL GREASE GROOVES



| ITEM | PART # | DESCRIPTION | QTY |
|------|----------|--|-----|
| 1 | 2505-207 | 5/16 – 18 X 1 ¼ CARRIAGE BOLT GR 5 ZP | 4 |
| 2 | 2520-206 | 5/16 – 18 FLANGE LOCK NUT | 4 |
| 3 | 2570-740 | D-BOLT, FLANGED, 5/8 – 11 X 2.812 GR 8 | 1 |
| 4 | 2965-128 | HUB & BEARING, 4 BOLT | 1 |
| 5 | 2965-352 | HUB CAP, 4 BOLT, BLACK | 1 |
| 6 | 2968-320 | 10.05 X .256 FERTILIZER WHEEL (SHOWN) | 1 |
| | 2968-364 | 11.05 X .256 FERTILIZER WHEEL | 1 |



| ITEM | PART # | DESCRIPTION | QTY |
|------|----------|--------------------------------|-----|
| 1 | 2550-069 | TRIPLE LIP SEAL, NTI# 1812-5 | 1 |
| 2 | 2570-594 | BEARING, 2 ROW | 1 |
| 3 | 2570-715 | BEARING INSERT | 1 |
| 4 | 2965-351 | HUB CASTING, MACHINED, 4 BOLT | 1 |
| 5 | 2533-110 | ¼ - 28 SELF-TAP ZERK, STRAIGHT | 1 |





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