Read the operator’s manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

Cover illustration may show optional equipment not supplied with standard unit.
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Printed in the United States of America.
Look for Safety Symbol
The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

Be Aware of Signal Words
Signal words designate a degree or level of hazard seriousness.

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
Be Familiar with Safety Decals
▲ Read and understand “Safety Decals,” page 7, thoroughly.
▲ Read all instructions noted on the decals.

Keep Riders Off Machinery
Riders obstruct the operator’s view. Riders could be struck by foreign objects or thrown from the machine.
▲ Never allow children to operate equipment.
▲ Keep all bystanders away from machine during operation.

Shutdown and Storage
▲ Lower implement, put tractor in park, turn off engine, and remove the key.
▲ Secure implement using blocks and supports provided.
▲ Detach and store implement in an area where children normally do not play.

Use Safety Lights and Devices
Slow-moving tractors and towed implements can create a hazard when driven on public roads. They are difficult to see, especially at night.
▲ Use flashing warning lights and turn signals whenever driving on public roads.
▲ Use lights and devices provided with implement.
Transport Machinery Safely

Maximum transport speed for implement is 20 mph. Some rough terrains require a slower speed. Sudden braking can cause a towed load to swerve and upset.

▲ Do not exceed 20 mph. Never travel at a speed which does not allow adequate control of steering and stopping. Reduce speed if towed load is not equipped with brakes.

▲ Comply with state and local laws.

▲ Do not tow an implement that, when fully loaded, weighs more than 1.5 times the weight of towing vehicle.

▲ Carry reflectors or flags to mark implement in case of breakdown on the road.

▲ Keep clear of overhead power lines and other obstructions when transporting.

Avoid High Pressure Fluids

Escaping fluid under pressure can penetrate the skin, causing serious injury.

▲ Avoid the hazard by relieving pressure before disconnecting hydraulic lines.

▲ Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.

▲ Wear protective gloves and safety glasses or goggles when working with hydraulic systems.

▲ If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.
Practice Safe Maintenance
▲ Understand procedure before doing work. Use proper tools and equipment. Refer to this manual for additional information.
▲ Work in a clean, dry area.
▲ Lower the implement, put tractor in park, turn off engine, and remove key before performing maintenance.
▲ Make sure all moving parts have stopped and all system pressure is relieved.
▲ Allow implement to cool completely.
▲ Disconnect battery ground cable (−) before servicing or adjusting electrical systems or before welding on implement.
▲ Inspect all parts. Make sure parts are in good condition and installed properly.
▲ Remove buildup of grease, oil or debris.
▲ Remove all tools and unused parts from implement before operation.

Prepare for Emergencies
▲ Be prepared if a fire starts.
▲ Keep a first aid kit and fire extinguisher handy.
▲ Keep emergency numbers for doctor, ambulance, hospital and fire department near phone.

Wear Protective Equipment
▲ Wear protective clothing and equipment.
▲ Wear clothing and equipment appropriate for the job. Avoid loose-fitting clothing.
▲ Because prolonged exposure to loud noise can cause hearing impairment or hearing loss, wear suitable hearing protection such as earmuffs or earplugs.
▲ Because operating equipment safely requires your full attention, avoid wearing radio headphones while operating machinery.
Handle Chemicals Properly
Agricultural chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil and property.
▲ Read and follow chemical manufacturer's instructions.
▲ Wear protective clothing.
▲ Handle all chemicals with care.
▲ Avoid inhaling smoke from any type of chemical fire.
▲ Store or dispose of unused chemicals as specified by chemical manufacturer.

Use A Safety Chain
▲ Use a safety chain to help control drawn machinery should it separate from tractor drawbar.
▲ Use a chain with a strength rating equal to or greater than the gross weight of towed machinery.
▲ Attach chain to tractor drawbar support or other specified anchor location. Allow only enough slack in chain to permit turning.
▲ Replace chain if any links or end fittings are broken, stretched or damaged.
▲ Do not use safety chain for towing.

Tire Safety
Tire changing can be dangerous and should be performed by trained personnel using correct tools and equipment.
▲ When inflating tires, use a clip-on chuck and extension hose long enough to you to stand to one side—not in front of or over tire assembly. Use a safety cage if available.
▲ When removing and installing wheels, use wheel-handling equipment adequate for weight involved.
Safety at All Times

Thoroughly read and understand the instructions in this manual before operation. Read all instructions noted on the safety decals.

▲ Be familiar with all implement functions.
▲ Operate machinery from the driver’s seat only.
▲ Do not leave implement unattended with tractor engine running.
▲ Do not dismount a moving tractor. Dismounting a moving tractor could cause serious injury or death.
▲ Do not stand between the tractor and implement during hitching.
▲ Keep hands, feet and clothing away from power-driven parts.
▲ Wear snug-fitting clothing to avoid entanglement with moving parts.
▲ Watch out for wires, trees, etc., raising implement. Make sure all persons are clear of working area.
▲ Do not turn tractor too tightly, causing implement to ride up on wheels. This could cause personal injury or equipment damage.
Safety Decals
Your implement comes equipped with all safety decals in place. They were designed to help you safely operate your implement.

▲ Read and follow decal directions.
▲ Keep all safety decals clean and legible.
▲ Replace all damaged or missing decals. Order new decals from your Great Plains dealer. Refer to this section for proper decal placement.

▲ When ordering new parts or components, also request corresponding safety decals.
▲ To install new decals:
   1. Clean the area on which the decal is to be placed.
   2. Peel backing from decal. Press firmly on surface, being careful not to cause air bubbles under decal.

818-019C
Warning, Negative tongue weight
One decal on tongue

818-557C
Caution, Cannot read English
One decal located on tongue
**WARNING**

**CAUTION**

**818-339C**

Warning, High pressure fluid
One decal located on tongue

**818-855C**

Caution, Tire 90 PSI
Decal located on each wheel; 4 decals total
Great Plains welcomes you to its growing family of new product owners. This implement has been designed with care and built by skilled workers using quality materials. Proper setup, maintenance and safe operating practices will help you get years of satisfactory use from the machine.

Description of Unit
The Inline Ripper Hitch in conjunction with the Sub-Soiler Inline Ripper are designed to cut and size residue, till soil for faster seedbed warming, break up soil crust on hard dried fields while eliminating compaction layers.

Models Covered
Inline Ripper Hitch

Using This Manual
This manual will familiarize you with safety, assembly, operation, adjustments, troubleshooting and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.

The information in this manual is current at printing. Some parts may change to assure top performance.

Definitions
The following terms are used throughout this manual.

Right-hand and left-hand as used in this manual are determined by facing the direction the machine will travel while in use unless otherwise stated.

IMPORTANT: A crucial point of information related to the preceding topic. For safe and correct operation, read and follow the directions provided before continuing.

NOTE: Useful information related to the preceding topic.
Owner Assistance

If you need customer service or repair parts, contact a Great Plains dealer. They have trained personnel, repair parts and equipment specially designed for Great Plains products.

Your machine’s parts were specially designed and should only be replaced with Great Plains parts. Always use the serial and model number when ordering parts from your Great Plains dealer.

Record your implement model and serial number here for quick reference:

Model Number: ____________________________
Serial Number: ____________________________

Your Great Plains dealer wants you to be satisfied with your new machine. If you do not understand any part of this manual or are not satisfied with the service received, please take the following actions.

1. Discuss the matter with your dealership service manager. Make sure they are aware of any problems so they can assist you.

2. If you are still unsatisfied, seek out the owner or general manager of the dealership.

3. For further assistance write to:

   **Product Support**
   Great Plains Mfg. Inc., Service Department
   PO Box 5060
   Salina, KS 67402-5060
Preparation and Setup

This section will help you prepare your tractor and implement for use. Before using the implement in the field, you must hitch the implement to a suitable tractor and level the implement.

Prestart Checklist
1. Read and understand “Important Safety Information,” page 1.
2. Check that all working parts are moving freely, bolts are tight, and cotter pins are spread.
3. Check that all grease fittings are in place and lubricated. Refer to “Lubrication,” page 22.
4. Check that all safety decals and reflectors are correctly located and legible. Replace if damaged. See “Safety Decals,” page 7.
5. Inflate tires to pressure recommended and tighten wheel bolts as specified. See “Appendix,” page 23.

Assembly
Refer to Figure 1
1. Park implement on level, solid area using parking stands.
2. Attach tongue to frame and secure top link to frame with pins.

Figure 1
Assembling Tongue to Frame
Refer to Figure 2

3. Unpin cylinder (10) from tongue upper gauge wheel mount (2). Keep all parts for reuse.

4. Remove pivot pin (7) securing tongue lower gauge wheel mount (3) to gauge wheel arm (4). Keep all parts for reuse.

NOTE: Depending on ripper size and spacing, it may be necessary to move depth gauge wheels so gauge wheels may be mounted properly. In this case, once the tongue gauge wheels have been installed on the frame, the parking stands may be removed so depth gauge wheels can be mounted in that location. THE TONGUE GAUGE WHEELS MUST BE MOUNTED BEFORE MOVING PARKING STANDS. Depth gauge wheels may also be mounted on the included extension weldment. For instructions on installing extension weldment to frame, see page 13.

5. Using four 3/4-10 x 2 3/4 bolts (8) attach upper and lower gauge wheel mounts to frame approximately 90° on center or just inside of 2x6 frame cross tubes, if there is a coulter mount in this location, mount the gauge wheel just outside of the 2x6 frame cross tubes.

NOTE: Master cylinder and gauge wheel arm will attach to the left-hand side of the hitch.

6. Attach gauge wheel arm (4) to gauge wheel mount (3) using pin (7) and a 1/2-13 x 3 cross bolt (5). Secure cylinder (10) to tongue upper gauge wheel mount (2) with cylinder pin.

7. Install gauge wheels (6) on hub (1). Attach hub to gauge wheel arm (4) using two 1/2-13 x 3 1/4 bolts (9).

8. Repeat Steps 3-7 on right-hand side of hitch.

Refer to Figure 3

9. Connect 114" hose (3) from rod end on master cylinder (1) to base end on slave cylinder (2).

10. Attach 272" hose (4) to slave cylinder (2).

11. Connect 326" hose (5) to master cylinder (1).
Depth Gauge Wheel Mounting (Optional)

NOTE: It may be necessary to move depth gauge wheels so gauge wheels may be mounted properly. Depth gauge wheels may also be mounted on the included extension weldment. To install the extension weldment follow the instructions below.

Refer to Figure 4

1. Using 5/8-11 x 2 1/4 bolts attach gauge wheel extension mount (3) to ends of frame.
2. Attach depth gauge wheels (1) to front side of extension weldment using u-bolts (2).

Hitching Tractor to Hitch

DANGER
You may be severely injured or killed by being crushed between the tractor and drill. Do not stand or place any part of your body between drill and moving tractor. Stop tractor engine and set park brake before installing the hitch bolt.

Refer to Figure 5

1. For most hitch heights the hitch should be installed inverted using the middle two bolts holes. If the tractor hitch height is extremely high or low, and the turnbuckle will not allow the frame to be leveled, the hitch can be moved up or down in the holes provided. The hitch can also be flipped over for more adjustment.
2. Back tractor to implement. Use the screw jack to adjust the hitch up or down as needed.
3. Finish backing the tractor until the hitch pin holes align. Place the tractor in park and pin the implement to the tractor using the tractor’s original equipment hitch pin as outlined in the tractor’s operator manual.
4. Securely attach the implement’s safety chain to the tractor as outlined in the tractor’s operator manual.
5. Connect the light harness and plug in the hydraulic hoses. (See Hydraulic Hose Hookup page 14).
Refer to Figure 6

1. Lower the jack until the full weight of the implement is on the tractor drawbar. Remove the jack from the side of the tongue and store it on the storage stub located on the top left-hand side of the frame.

Hydraulic Hose Hookup

Refer to Figure 7

Great Plains hydraulic hoses are coded to help you hookup hoses to your tractor outlets. To distinguish hoses on the same hydraulic circuit, refer to plastic hose holders. Hose under extended-cylinder symbol feeds cylinder base ends. Hose under retracted-cylinder symbol feeds cylinder rod ends.
Bleeding the Hydraulics

**WARNING**

Escaping fluid under pressure can have sufficient force to penetrate the skin. Check all hydraulic lines and hoses before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, not body parts, to check for suspected leaks. If injured, seek medical assistance from a doctor that is familiar with this kind of injury. Foreign fluids in the tissue must be surgically removed within a few hours or gangrene will result.

Hydraulics must be bled of air before hitch operation. If the hydraulics are not bled, the cylinders will move with jerky, uneven motions. The hydraulics should be bled during initial hitch setup. If the hydraulics have not been bled, or if you replace a hydraulic component during the life of the hitch, follow these procedures.

1. Check hydraulic fluid in tractor reservoir and fill reservoir to proper level. Drill-system capacity is about 1 1/2 gallons. Add fluid to system as needed. A low reservoir level may draw air back into the system, causing jerky or uneven cylinder movements.
2. Jack up hitch and install transport lock channels onto cylinders.
3. With tractor engine idling, engage tractor hydraulics to extend cylinder rods. When cylinder rods are completely extended, hold remote lever on for one minute.
4. Remove lock channels.

5. Retract cylinders. Extend cylinders again and hold remote lever on for one more minute. Repeat this step two more times to completely bleed system.

6. If any air still is trapped in either cylinder, the cylinder will have a spongy, erratic movement and the implement will not raise evenly. If necessary, repeat bleeding process.

7. Refill tractor hydraulic fluid reservoir to its proper level.
Operating Instructions

This section covers general operating procedures. Experience, machine familiarity and the following information will lead to efficient operation and good working habits. Always operate farm machinery with safety in mind.

**Prestart Checklist**

2. Lubricate implement as indicated under “Lubrication,” page 22.
4. Check all bolts, pins and fasteners. Torque as shown in “Appendix,” page 23.
5. Check implement for worn or damaged parts. Repair or replace parts before going to the field.

**Field Operation**

⚠ **DANGER**

You may be severely injured or killed by being crushed between the tractor and implement. Do not stand or place any part of your body between implement and moving tractor. Stop tractor engine and set park brake before installing pins.

1. Hitch implement to a suitable tractor.

*Refer to Figure 8*

2. Remove transport lock channels and place in storage position.
3. Pull forward, lower implement and begin tilling.
4. Always lift implement out of the ground when turning at field ends and for other short-radius turns.
5. Be sure that all hitch 3-Point hitch points are securely pinned before lifting the implement.
WARNING
Make sure the hitch is securely hitched to the tractor before raising implement. If hitch is not secured to tractor Negative Tongue Weight will result when lifting implement causing hitch tongue to elevate.

Refer to Figure 9

6. Level the implement by adjusting the length of the top link.

7. Loosen the 1 1/2" jam nut (1) and rotate the nut (2) to screw the threads in or out to make adjustment.

8. Slowly raise implement. Watch for interference.

9. Plug lead from implement light harness into hitch receptacle.
Transporting

⚠️ WARNING
Towing the implement at high speeds or with a vehicle that is not heavy enough could lead to loss of vehicle control. Loss of vehicle control could lead to serious road accidents, injury and death. To reduce the hazard, do not exceed 20 mph. Check that your tractor has enough ballast to handle the weight of the implement. Refer to your tractor operator’s manual for ballast requirements.

Before transporting the implement, follow and check these items:

Clearance. Remember that the implement can be wider than the tractor. Allow safe clearance.

Road rules. Comply with all federal, state and local safety laws when traveling on public roads.

1. Check to be sure the hitch is securely hitched to the tractor and the safety chain is in place.
2. Check to be sure the hitch is securely fastened to the sub-soiler.

Refer to Figure 10

3. Install both transport lock channels over the extended cylinder rods.

Parking
Perform the following steps when parking the implement. Refer to “Storage”, page 21, to prepare for long-term storage.

1. Park implement on a level, solid area.
2. Lower implement until shanks are resting on the ground.
3. Unplug light harness lead from tractor receptacle. Do not allow lead to rest on the ground.
4. Unhitch from the tractor drawbar.

⚠️ WARNING
Never unhitch from the tractor while implement is attached to the hitch without lowering implement to the ground first. Negative Tongue Weight will result causing tongue to elevate.
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hitch does not raise or lower smoothly</td>
<td>Leaking hydraulic cylinders (external or internal).</td>
<td>Install seal kit or replace cylinder.</td>
</tr>
<tr>
<td></td>
<td>Leaking hydraulic fittings.</td>
<td>Check fittings for leaks, see page 14 for safety message, tighten or replace.</td>
</tr>
<tr>
<td></td>
<td>Air in the hydraulic system.</td>
<td>Bleed hydraulics, refer to page 14.</td>
</tr>
</tbody>
</table>
## Maintenance and Lubrication

### Maintenance
Proper servicing and maintenance is the key to long implement life. With careful and systematic inspection, you can avoid costly maintenance, downtime and repair.

Always turn off and remove the tractor key before making any adjustments or performing any maintenance.

⚠️ **WARNING**
You may be severely injured or killed by being crushed under the falling implement. Always have frame sufficiently blocked up when working on implement.

⚠️ **WARNING**
Escaping fluid under pressure can have sufficient pressure to penetrate the skin. Check all hydraulic lines and fittings before applying pressure. Fluid escaping from a very small hole can be almost invisible. Use paper or cardboard, not body parts, and wear heavy gloves to check for suspected leaks. If injured, seek medical assistance from a doctor that is familiar with this type of injury. Foreign fluids in the tissue must be surgically removed within a few hours or gangrene will result.

1. After using the implement for several hours, check all bolts to be sure they are tight.

2. Lubricate areas listed under “Lubrication”, page 22.


Storage
Store implement where children do not play. If possible, store the implement inside for longer life.

Refer to Figure 11

1. Remove transport locks from cylinders and place them in their storage position.
2. Lower hitch to the ground and retract cylinders.
3. Remove any dirt and debris that can hold moisture and cause corrosion.
4. Lubricate areas noted under “Lubrication”, page 22.
5. Inspect implement for worn or damaged parts. Make repairs and service during the off season.
6. Use spray paint to cover scratches, chips and worn areas on the implement to protect the metal.
Lubrication

Transport Pivot Arms

Type of Lubrication: Grease
Quantity = Until grease emerges

Wheel Bearings

Type of Lubrication: Grease
Quantity = Repack
### Torque Values Chart

<table>
<thead>
<tr>
<th>Bolt Size (Inches)</th>
<th>Bolt Head Identification</th>
<th>Bolt Size (Metric)</th>
<th>Bolt Head Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Grade 2</td>
<td>Grade 5</td>
<td>Grade 8</td>
</tr>
<tr>
<td></td>
<td>N · m²</td>
<td>N · m</td>
<td>ft-lb</td>
</tr>
<tr>
<td>1/4&quot; - 20</td>
<td>7.4</td>
<td>11</td>
<td>16</td>
</tr>
<tr>
<td>1/4&quot; - 28</td>
<td>8.5</td>
<td>13</td>
<td>18</td>
</tr>
<tr>
<td>5/16&quot; - 18</td>
<td>15</td>
<td>24</td>
<td>33</td>
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<tr>
<td>5/16&quot; - 24</td>
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<td>26</td>
<td>37</td>
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<tr>
<td>3/8&quot; - 16</td>
<td>27</td>
<td>42</td>
<td>59</td>
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<tr>
<td>3/8&quot; - 24</td>
<td>31</td>
<td>47</td>
<td>67</td>
</tr>
<tr>
<td>7/16&quot; - 14</td>
<td>43</td>
<td>67</td>
<td>95</td>
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<td>360</td>
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<td>250</td>
<td>480</td>
<td>605</td>
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<td>1&quot; - 8</td>
<td>340</td>
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<td>1&quot; - 12</td>
<td>370</td>
<td>955</td>
<td>1350</td>
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<td>1080</td>
<td>1750</td>
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<td>1 1/8&quot; - 12</td>
<td>540</td>
<td>1210</td>
<td>1960</td>
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<td>680</td>
<td>1520</td>
<td>2460</td>
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<td>3230</td>
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<tr>
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<td>2270</td>
<td>3680</td>
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<tr>
<td>1 1/2&quot; - 6</td>
<td>1180</td>
<td>2640</td>
<td>4290</td>
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<tr>
<td>1 1/2&quot; - 12</td>
<td>1330</td>
<td>2970</td>
<td>4820</td>
</tr>
</tbody>
</table>

1 in-tpi = nominal thread diameter in inches-threads per inch
2 N·m = newton-meters
3 ft-lb = foot pounds
4 mm x pitch = nominal thread diameter in millimeters x thread pitch

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.
### Tire Inflation Chart

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Inflation PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.50 x 20” 4-Ply Drill Rib</td>
<td>28</td>
</tr>
<tr>
<td>9.0 x 22.5 10-Ply Highway Service 70</td>
<td>70</td>
</tr>
<tr>
<td>9.0 x 24” 8-Ply Rib Implement</td>
<td>40</td>
</tr>
<tr>
<td>9.5L x 15” 6-Ply Rib Implement</td>
<td>32</td>
</tr>
<tr>
<td>9.5L x 15” 8-Ply Rib Implement</td>
<td>44</td>
</tr>
<tr>
<td>9.5L x 15” 12-Ply Rib Implement</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Inflation PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>11L x 15” 6-Ply Rib Implement</td>
<td>28</td>
</tr>
<tr>
<td>11L x 15” 12-Ply Rib Implement</td>
<td>52</td>
</tr>
<tr>
<td>12.5L x 15” 8-Ply Rib Implement</td>
<td>36</td>
</tr>
<tr>
<td>12.5L x 15” 10-Ply Rib Implement</td>
<td>44</td>
</tr>
<tr>
<td>12.5L x 15” Load Range F. HYW Serv.</td>
<td>90</td>
</tr>
<tr>
<td>16.5L x 16.1” 10-Ply Rib Implement</td>
<td>36</td>
</tr>
<tr>
<td>41 x 15” x 18 - 22-Ply Rib Implement</td>
<td>44</td>
</tr>
</tbody>
</table>

**NOTE:** All tires are warranted by the original manufacturer of the tire. Tire warranty information can be found in the brochures included with your Operator’s and Parts Manuals or online at the manufacturer’s websites. For service assistance or information, contact your nearest Authorized Farm Tire Retailer.

**Manufacturer**
- Titan
- Goodyear
- Firestone

**Websites**
- www.titan-intl.com
- www.goodyearag.com
- www.firestoneag.com
Great Plains Manufacturing, Incorporated warrants to the original purchaser that this seeding equipment will be free from defects in material and workmanship for a period of one year from the date of original purchase when used as intended and under normal service and conditions for personal use; 90 days for commercial or rental purposes. This Warranty is limited to the replacement of any defective part by Great Plains Manufacturing, Incorporated and the installation by the dealer of any such replacement part. Great Plains reserves the right to inspect any equipment or part which are claimed to have been defective in material or workmanship.

This Warranty does not apply to any part or product which in Great Plains’ judgement shall have been misused or damaged by accident or lack of normal maintenance or care, or which has been repaired or altered in a way which adversely affects its performance or reliability, or which has been used for a purpose for which the product is not designed. This Warranty shall not apply if the product is towed at a speed in excess of 20 miles per hour.

Claims under this Warranty must be made to the dealer which originally sold the product and all warranty adjustments must be made through such dealer. Great Plains reserves the right to make changes in materials or design of the product at any time without notice.

This Warranty shall not be interpreted to render Great Plains liable for damages of any kind, direct, consequential, or contingent, to property. Furthermore, Great Plains shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to loss of crops, losses caused by harvest delays or any expense or loss for labor, supplies, rental machinery or for any other reason.

No other warranty of any kind whatsoever, express or implied, is made with respect to this sale; and all implied warranties of merchantability and fitness for a particular purpose which exceed the obligations set forth in this written warranty are hereby disclaimed and excluded from this sale.

This Warranty is not valid unless registered with Great Plains Manufacturing, Incorporated within 10 days from the date of original purchase.