# TABLE OF CONTENTS

**Manufacturer’s Statement:** For technical reasons, Buhler Industries Inc. reserves the right to modify machinery design and specifications provided herein without any preliminary notice. Information provided herein is of descriptive nature. Performance quality may depend on bale structure, applied techniques, weather conditions and other factors.

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION</td>
<td>7</td>
</tr>
<tr>
<td>SAFETY</td>
<td>11</td>
</tr>
<tr>
<td>OPERATION</td>
<td>19</td>
</tr>
<tr>
<td>MAINTENANCE</td>
<td>37</td>
</tr>
<tr>
<td>PARTS IDENTIFICATION</td>
<td>43</td>
</tr>
<tr>
<td>SPECIFICATIONS</td>
<td>57</td>
</tr>
<tr>
<td>WARRANTY</td>
<td>63</td>
</tr>
<tr>
<td>ALPHABETICAL INDEX</td>
<td>67</td>
</tr>
</tbody>
</table>
WARRANTY REGISTRATION FORM

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Customer Name: ____________________________ Dealer Name: ____________________________

Customer Address: ____________________________ Dealer Address: ____________________________

City: __________________ Prov / State: ________ City: __________________ Prov / State: ________

Postal / Zip Code: ____________________________ Phone: ____________________________

Equipment Name Model: ____________________________ Serial Number: ____________________________ Delivery Date: ____________________________

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, safe operation and applicable warranty policy.

Dealer Inspection Report

- Bearing Seals
- Lubricate Machine
- Wheel Bolt Torque
- Fasteners Tight
- Tire Pressure
- Hydraulic Hoses

Safety

- All Lights And Reflectors Installed
- All Lights And Reflectors Cleaned And Working
- Safety Chain On Hitch
- All Decals Installed
- Guards And Shields Installed And Secure
- Review Operating And Safety Instructions
- General Adjustment And Set-up Procedures
- Transportation Requirements And Regulations

Date: ____________________________ Dealer Rep. Signature: ____________________________

The above equipment and Operator And Parts Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

Date: ____________________________ Customer / Owner’s Signature: ____________________________

Remove this Warranty Registration Form from the Operator And Parts Manual. Make two copies of the form. Send original Warranty Registration Form to Farm King. Give one copy to the customer and the dealer will keep one copy.
INTRODUCTION

This Operator And Parts Manual was written to give the owner / operator instructions on the safe operation, maintenance and part identification of the Farm King equipment. READ AND UNDERSTAND THIS OPERATOR AND PARTS MANUAL BEFORE OPERATING YOUR FARM KING EQUIPMENT. If you have any questions, see your Farm King dealer. This manual may illustrate options and accessories not installed on your Farm King equipment.

OWNER’S INFORMATION ................................................................. 9
   Serial Number Location ......................................................... 9

EQUIPMENT IDENTIFICATION .................................................... 10
   Component Location ............................................................. 10
OWNER’S INFORMATION

Thank you for your decision to purchase a Farm King Tedder. To ensure maximum performance of your equipment, it is mandatory that you thoroughly study the Operator And Parts Manual and follow the recommendations. Proper operation and maintenance are essential to maximize equipment life and prevent personal injury.

Operate and maintain this equipment in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and / or laws. Follow all on-product labeling and instructions.

Make sure that all personnel have read this Operator and Parts Manual and thoroughly understand safe and correct operating, installation and maintenance procedures.

Farm King is continually working to improve its products. Farm King reserves the right to make any improvements or changes as deemed practical and possible without incurring any responsibility or obligation to make any changes or additions to equipment sold previously.

Although great care has been taken to ensure the accuracy of this publication, Farm King makes no warranty or guarantee of any kind, written or expressed, implied or otherwise with regard to the information contained within this manual. Farm King assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from the use of this manual.

Keep this manual available for frequent reference. All new operators or owners must review the manual before using the equipment and annually thereafter. Contact your Farm King Dealer if you need assistance, information, or additional copies of the manual. Visit our website at www.farm-king.com for a complete list of dealers in your area.

The directions left, right, front and rear, as mentioned throughout this manual, are as viewed from the rear of the equipment.

Serial Number Location

Please enter the model and serial number in the space provided for easy reference.

Figure 1

Model Number: ______________________
Serial Number: ______________________

The serial number plate (Item 1) [Figure 1] is located on the frame.

Always use your serial number when requesting information or when ordering parts.
EQUIPMENT IDENTIFICATION

Component Location
# SAFETY

## SAFETY INSTRUCTIONS
- Safe Operation Is The Operator’s Responsibility .......................................... 13
- Safe Operation Needs A Qualified Operator .................................................. 13
- Use Safety Rules .................................................................................................. 14
- Transport Safety .................................................................................................. 14
- Machine Requirements And Capabilities .......................................................... 15

## FIRE PREVENTION
- Maintenance ......................................................................................................... 15
- Operation ............................................................................................................... 15
- Starting .................................................................................................................. 15
- Electrical ............................................................................................................... 16
- Hydraulic System ................................................................................................ 16
- Welding And Grinding ......................................................................................... 16
- Fire Extinguishers ............................................................................................... 16

## SAFETY SIGNS (DECALS) .................................................................................. 17

## SAFETY SIGN-OFF FORM .................................................................................. 18
Farm King
SAFETY INSTRUCTIONS

Safe Operation Is The Operator’s Responsibility

⚠️ Safety Alert Symbol

This symbol with a warning statement means: “Warning, be alert! Your safety is involved!” Carefully read the message that follows.

⚠️ CAUTION

The signal word CAUTION on the machine and in the manuals 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.

⚠️ DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠️ WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠️ IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

Safe Operation Needs A Qualified Operator

Operators must have instructions before operating the machine. Untrained operators can cause injury or death.

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Farm King include the Warranty Registration, Dealer Inspection Report, Operator And Parts Manual and machine signs (decals).
- Check the rules and regulations at your location. The rules may include an employer’s work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.

Have Training with Actual Operation

- Operator training must consist of a demonstration and verbal instruction. This training is given by the machine owner prior to operation.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Clear working area of all bystanders, especially small children and all obstacles that might be hooked or snagged, causing injury or damage.
- Know the location of any overhead or underground power lines. Call local utilities and have all underground power lines marked prior to operation.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service.
SAFETY INSTRUCTIONS (CONT’D)

Use Safety Rules

- Read and follow instructions in this manual and the tractor’s Operators Manual before operating.
- Under no circumstances should young children be allowed to work with this equipment.
- This equipment is dangerous to children and persons unfamiliar with its operation.
- If the elderly are assisting with work, their physical limitations need to be recognized and accommodated.
- Stay clear of overhead power lines. Electrocution can occur without direct contact.
- Check for overhead and / or underground lines before operating equipment (if applicable).
- In addition to the 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.
- Check that the equipment is securely fastened to the tractor / towing vehicle.
- Make sure all the machine controls are in the NEUTRAL position before starting the machine.
- Operate the equipment only from the operator’s position.
- Operate the equipment according to the Operator And Parts Manual.
- When learning to operate the equipment, do it at a slow rate in an area clear of bystanders, especially small children.
- DO NOT permit personnel to be in the work area when operating the equipment.
- The equipment must be used ONLY on approved tractors / transport vehicles.
- DO NOT modify the equipment in any way. Unauthorized modification may impair the function and / or safety and could affect the life of the equipment.
- DO NOT make any adjustments or repairs on the equipment while the machine is running.
- Keep shields and guards in place. Replace if damaged.

Transport Safety

- DO NOT exceed 20 mph (32 kph). Reduce speed on rough roads and surfaces.
- Comply with state and local laws governing highway safety and movement of machinery on public roads.
- The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
- Always install transport locks, pins or brackets before transporting.
- Always yield to oncoming traffic in all situations and move to the side of the road so any following traffic may pass.
- Always enter curves or drive up or down hills at a low speed and at a gradual steering angle.
- Never allow riders on either tractor or equipment.
- Keep tractor / towing vehicle in a lower gear at all times when traveling down steep grades.
- Maintain proper brake settings at all times (if equipped).
- Stay away from overhead power lines. Electrocution can occur without direct contact.
Machine Requirements And Capabilities

• Stop the machine and engage the parking brake. Install blocks in front of and behind the rear tires of the machine. Install blocks underneath and support the equipment securely before working under raised equipment.

• Keep bystanders clear of moving parts and the work area. Keep children away.

• Use increased caution on slopes and near banks and ditches to prevent overturn.

• Make certain that the Slow Moving Vehicle (SMV) emblem is installed so that it is visible and legible. When transporting the equipment, use the flashing warning lights (if equipped) and follow all local regulations.

• Operate this equipment with a machine equipped with an approved Roll-Over Protective Structure (ROPS). Always wear seat belt when the ROPS is up. Serious injury or death could result from falling off the machine.

• Before leaving the operator’s position:
  1. Always park on a flat level surface.
  2. Place all controls in neutral.
  3. Engage the parking brake.
  4. Stop engine.
  5. Wait for all moving parts to stop.

• Carry passengers only in designated seating areas. Never allow riders on the machine or equipment. Falling off can result in serious injury or death.

• Start the equipment only when properly seated in the operator’s seat. Starting a machine in gear can result in serious injury or death.

• Operate the machine and equipment from the operator’s position only.

• The parking brake must be engaged before leaving the operator’s seat. Rollaway can occur because the transmission may not prevent machine movement.

FIRE PREVENTION

Maintenance

The machine and some equipment have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation.

All fuels, most lubricants and some coolant mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

Operation

The Farm King machine must be in good operating condition before use.

Check all of the items listed on the service schedule under the 8 hour column. (See “SERVICE SCHEDULE” on page 38.)

Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.

Starting

Use the procedure in the tractor’s operator’s manual for connecting the battery and for jump starting.
**Electrical**

Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

**Hydraulic System**

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.

Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

**Welding And Grinding**

Always clean the machine and equipment, disconnect the battery, and disconnect the wiring from the machine controls before welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the machine when welding.

Have good ventilation when grinding or welding painted parts. Wear dust mask when grinding painted parts. Toxic dust or gas can be produced.

Dust generated from repairing nonmetallic parts such as hoods, fenders or covers can be flammable or explosive. Repair such components in a well ventilated area away from open flames or sparks.

**Fire Extinguishers**

Know where fire extinguishers and first aid kits are located and how to use them. Inspect the fire extinguisher and service the fire extinguisher regularly. Obey the recommendations on the instructions plate.
SAFETY SIGNS (DECALS)

Follow the instructions on all the Signs (Decals) that are on the equipment. Replace any damaged signs (decals) and be sure they are in the correct locations. Equipment signs are available from your Farm King equipment dealer.

- **FLYING DEBRIS HAZARD**
  - Stay back a minimum of 66 ft. (20 m) when machine is in operation.

- **ROTATING HAZARD**
  - As the star wheel rotates, there is a risk the teeth will snag on the operator clothes or other objects on the operator body.

- **CRUSHING HAZARD**
  - Stay back a minimum of 10 ft. (3 m) when lowering and raising arms.

- **PTO IMPORTANT**
  - Confirm the PTO shaft rotates clockwise and at 540 rpm.

- **PTO IMPORTANT**
  - DO NOT stop or pass near the machine.

- **REPAIRING DANGER**
  - DO NOT repair or adjust when unit is operating.
SAFETY SIGN-OFF FORM

![WARNING]

Instructions are necessary before operating or servicing equipment. Read and understand the Operator And Parts Manual and safety signs (decals) on equipment. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

Farm King follows the general Safety Standards specified by the American Society of Agricultural and Biological Engineers (ASABE) and the Occupational Safety and Health Administration (OSHA). Anyone who will be operating and/or maintaining the Tedder must read and clearly understand ALL Safety, Operating and Maintenance information presented in this manual.

Annually review this information before the season start-up and make these periodic reviews of SAFETY and OPERATION a standard practice for all of your equipment. An untrained operator is unqualified to operate this machine.

The following sign-off sheet is provided for your record and to show that all personnel who will be working with the equipment have read and understand the information in this Operator And Parts Manual and have been instructed in the operation of the equipment.

<table>
<thead>
<tr>
<th>Date</th>
<th>Employee’s Signature</th>
<th>Employer’s Signature</th>
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<tbody>
<tr>
<td></td>
<td></td>
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</tr>
<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

16
OPERATION

GENERAL INFORMATION .............................................................. 21
  Pre - Operation Checklist .................................................... 21
  Break - In Checklist ............................................................ 22
  Tractor Requirements .......................................................... 23
  Entering And Leaving The Operator’s Position ......................... 23

INITIAL SET-UP ................................................................. 24
  Connecting Pull-Type Tedder To The Tractor ......................... 24
  Connecting Three-Point Tedder To The Tractor ...................... 26
  Adjusting Rotating Group Tilt ............................................... 27
  Connecting The PTO Driveline (Three-Point Models) ............... 28
  PTO Driveline ........................................................................ 29
  Operating Tedder (All Models) ................................................ 32

TRANSPORTING ................................................................. 35
  Requirements ........................................................................ 35
  Transport Position ............................................................. 35
GENERAL INFORMATION

Pre - Operation Checklist

Before operating the Tedder for the first time and each time thereafter, check the following items:

1. Lubricate the equipment per the schedule outline in the Maintenance Section. (See “SERVICE SCHEDULE” on page 38.)
2. Check the Tedder hitch for damaged, loose or missing parts. Repair as needed before operation.
3. Check tire pressure.
4. Check wheel bolt torque.
5. Fully clean the equipment.
6. Inspect all safety reflective decals, slow moving vehicle decals and lights where applicable.

WARNING

MOVING PART HAZARD

To prevent serious injury or death from moving parts:

- Keep hands, feet, hair and clothing away from moving parts.
- Disconnect and lockout power source before adjusting or servicing.
- Do not stand or climb on machine when operating.

AVOID INJURY OR DEATH

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material is present.
- Engine is running.
- Tools are being used.

Leaking fluids under pressure can enter the skin and cause serious injury or death. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.

7. Check condition of all hydraulic components for leaks. Repair as required.

NOTE: Do not operate with hydraulic leaks.

8. Verify that the mobile chassis lock has been removed.

9. Verify that the Tedder is properly connected to the tractor with the safety chain.
Break - In Checklist

Check the following mechanical items after 1 hour of operation and again after 10 hours of operation:

1. Check condition of all hydraulic components for leaks. Tighten fittings to correct leaks or replace components. Do not operate with hydraulic leaks.

Figure 2

2. Check the Tedder hitch for damaged, loose or missing parts [Figure 2]. Repair as needed before operation.

3. Check for loose fasteners and hardware. Tighten as required.

4. Check tire pressure.

5. Check wheel bolt torque.
Tractor Requirements

**WARNING**

AVOID SERIOUS INJURY OR DEATH

The tractor must be equipped with an approved Roll Over Protection Structure (ROPS) and safety belts to help prevent personal injury or death caused by tractor roll over.

**WARNING**

- Keep shields and all guards in place.
- Keep away from moving parts.
- Keep bystanders away.

The Tedder will require a tractor with minimum 80 hp (60 kw) and one pair of remote outlets.

**IMPORTANT**

Towing Vehicle / Tractor must have adequate braking capacity to safely control GVW trailing load. Do not tow over 20 mph (32 km/h). Towing Vehicle / Tractor unit should weigh approximately 67% of GVW.

**Drawbar Adjustment (Pull-Type Models)**

**Figure 3**

Adjust the tractor’s drawbar in / out, until the center of the hitch pin hole (Item 1) [Figure 3] is 16 inches (410 mm) from the end of the tractor’s PTO shaft. See your tractor’s owner’s manual for correct adjustment procedures.

**Entering And Leaving The Operator’s Position**

**IMPORTANT**

Follow the instructions in your tractor’s operation manual for the correct procedure.

**Entering The Operator’s Position**

Move to the operator’s position, start the engine and release the parking brake.
Leaving The Operator’s Position

**WARNING**

**AVOID INJURY OR DEATH**

Before you leave the operator’s position:
- Always park on a flat level surface.
- Place all controls in NEUTRAL.
- Engage the park brake.
- Stop the engine and remove the key.
- Wait for all moving parts to stop.

Park the tractor / equipment on a flat level surface.

Place all controls in neutral, engage the park brake, stop the engine and wait for all moving parts to stop. Leave the operator’s position.

---

**INITIAL SET-UP**

**Connecting Pull-Type Tedder To The Tractor**

Always inspect the tractor’s drawbar / three-point arms and Tedder hitch before connecting. See the tractor’s owner’s manual.

Verify that the tractor’s drawbar is adjusted correctly for use with the Tedder. (See “Drawbar Adjustment (Pull-Type Models)” on page 21.)

Enter the operator’s position. (See “Entering The Operator’s Position” on page 21.)

Move the tractor into position in front of the Tedder.

**WARNING**

**AVOID INJURY OR DEATH**

Before moving the tractor, look in all directions and make sure no bystanders, especially small children are in the work area. Do not allow anyone between the tractor and the equipment when backing up to the equipment for connecting.

Move the tractor backwards, aligning the drawbar with the Tedder hitch.

**NOTE:** The jack may need to be lowered or raised for proper alignment of the drawbar and hitch.

If the Tedder hitch needs to be adjusted, stop the tractor when drawbar is just in front of the Tedder hitch.

Leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)
Lower or raise the Tedder hitch (Item 1) [Figure 4] until aligned with the tractor’s drawbar.

Move the Tedder forward, aligning the drawbar hitch pin hole with the Tedder hitch pin hole(s).

**WARNING**

**AVOID INJURY OR DEATH**

Keep fingers and hands out of pinch points when connecting and disconnecting equipment.

**NOTE:** Always use a hitch pin of adequate size and strength and a retaining pin with a locking device.

Install the hitch pin (Item 1) and retaining pin (Item 2) [Figure 5] to securely fasten the Tedder hitch to the tractor drawbar.

Attach the safety chain (if equipped).
Connecting Three-Point Tedder To The Tractor

Always inspect the tractor’s three-point arms and Tedder hitch before connecting. See the tractor’s owner’s manual.

Enter the operator’s position. (See “Entering The Operator’s Position” on page 21.)

Move the tractor into position in front of the Tedder.

**WARNING**

**AVOID INJURY OR DEATH**

Before moving the tractor, look in all directions and make sure no bystanders, especially small children are in the work area. Do not allow anyone between the tractor and the equipment when backing up to the equipment for connecting.

Move the tractor backwards, aligning the three-point arms with the Tedder hitch.

**NOTE:** The jack may need to be lowered or raised for proper alignment of the drawbar and hitch.

Leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

---

**Figure 6**

Install the lower lift arms (Item 1) and the lower pins (Item 2) on the Tedder frame (one side at a time), secure in place with safety pins (Item 3) [Figure 6].

Align the upper adjustable arm (Item 4) in the with Tedder frame. Install pin (Item 5) through the Tedder frame and upper adjustable arm. Install safety pin (Item 6) [Figure 6].

**Figure 7**

Remove the retaining pin and slide the jack (Item 1) up, reinstall retaining pin (Item 2) [Figure 7] into the lower hole on the jack.
Adjusting Rotating Group Tilt

**WARNING**

**AVOID INJURY OR DEATH**

Before adjusting or servicing the machine:

- Always park on a flat level surface.
- Place all controls in NEUTRAL.
- Engage the park brake.
- Stop the engine and remove the key.
- Wait for all moving parts to stop.

Park the tractor / equipment on a flat level surface.

Place all controls in neutral, engage the park brake, stop the engine and wait for all moving parts to stop. Leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

*Three-Point Hitch Models*

**Figure 8**

To adjust rotary groups angle, turn the adjustment arm (Item 1) [Figure 8] counterclockwise (direction A), moving the Tedder frame downwards and reducing the angle. Turn the adjustment arm clockwise (direction B), moving the Tedder frame upwards increasing the angle.

*Pull-Type Models*

**Figure 9**

To adjust rotary groups angle, turn the crank (Item 1) [Figure 9] until the desired angle is obtained.
Connecting The PTO Driveline (Three-Point Models)

⚠️ WARNING

AVOID INJURY OR DEATH
Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause serious injury or death.

NOTE: Clean and grease tractor’s PTO shaft and PTO driveline coupling each time driveline is connected.

Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

⚠️ IMPORTANT

Improper hitch installation can cause PTO driveline damage.
• Do not modify the hitch or use an unapproved hitch.
• Make sure the PTO driveline is of adequate length and that u-joints are in the correct phase.

Remove the PTO driveline from the storage position (if applicable).

Figure 10

Retract the collar and slide the PTO driveline (Item 1) onto the tractor PTO shaft until it locks onto the shaft. Push and pull on the PTO driveline to verify it is securely attached to the PTO shaft. Install PTO driveline safety chain (Item 2) [Figure 10].

NOTE: The PTO driveline must have a means to retain it to the PTO shaft on the tractor.

⚠️ WARNING

• Do NOT exceed 540 RPM PTO.
• Keep PTO shields and all guards in place.
• Keep away from moving parts.
• Keep bystanders away.
PTO Driveline

PTO Driveline Length Check

NOTE: Due to variations in distances between tractor PTO shafts and implement input shafts, drivelines may need to be shortened or a longer shaft may be required. When fitting the implement to the tractor, the PTO driveline, with telescoping sections, must be inspected. When the sections are at the most compressed operating position, the sections must not “bottom out”. At its shortest length, there must be at least 2 in. (50.8 mm) of clearance between each section end and opposite section end at the most compressed operating position. When the sections are at the most extended position, there must be sufficient engagement between the sections. At its farthest operating extension, a minimum section engagement of 33% of shaft length must be maintained.

PTO Driveline Bottoming Out Check

Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.) Make sure the PTO driveline and all rotating components have come to a complete stop before leaving the operator’s position (if applicable).

Figure 11

1. Disconnect the PTO driveline from the tractor and slide the PTO driveline together until fully retracted (compressed).
2. Measure the retracted (compressed) length of PTO driveline [Figure 11].
3. Extend the PTO driveline 2 in. (50.8 mm) from the retracted length and place a mark on the inner guard at the end of the outer guard [Figure 11].
4. Reattach the PTO driveline to the tractor PTO shaft.
5. Enter the operator’s position. (See “Entering The Operator’s Position” on page 21.) Start the engine.
6. With the rear PTO DISENGAGED, raise and lower the implement and watch the PTO driveline extend and retract.
7. If the outer PTO driveline guard slides in (retracts) over the mark at any point of travel, the PTO driveline needs to be shortened.

⚠️ WARNING

AVOID INJURY OR DEATH

- Do NOT exceed the rated implement PTO speed.
- Stay clear of rotating driveline.
- Keep bystanders away.
- Keep hands, feet, clothing and long hair away.
- Keep PTO shields and all guards in place.
- Disengage PTO, move the tractor controls to the Neutral position, stop the engine and make sure all rotating components are stopped before leaving the operator’s position.
- Do NOT service the tractor or implement with the PTO engaged.
- Do NOT service the implement in a raised position unless properly blocked and with all rotating components stopped.
- Disengage PTO for road travel.
Reducing The PTO Driveline Length

Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

Make sure the PTO driveline and all rotating components have come to a complete stop before leaving the operator’s position.

**WARNING**

**AVOID INJURY OR DEATH**

- Do NOT exceed the rated implement PTO speed.
- Stay clear of rotating driveline.
- Keep bystanders away.
- Keep hands, feet, clothing and long hair away.
- Keep PTO shields and all guards in place.
- Disengage PTO, move the tractor controls to the Neutral position, stop the engine and make sure all rotating components are stopped before leaving the operator’s position.
- Do NOT service the tractor or implement with the PTO engaged.
- Do NOT service the implement in a raised position unless properly blocked and with all rotating components stopped.
- Disengage PTO for road travel.

Remove the PTO driveline from the tractor and place in storage position (if equipped).

Enter the operator’s position. (See “Entering The Operator's Position” on page 21.) Start the engine.

Raise or lower the Tedder to get the shortest distance between the tractor PTO shaft and Tedder gearbox PTO shaft.

Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

Pull the PTO driveline apart and reinstall each individual section; one half to the tractor PTO shaft and one half to the implement gearbox PTO shaft.

**Figure 12**

1. Hold PTO driveline sections parallel to one another and measure back 2 in. (50.8 mm) (Item 1) from the yoke of each section and place mark on opposite section. Cut the plastic shield at this length (Item 2) [Figure 12].

**Figure 13**

2. Using the plastic guard lengths that were cut off in [Figure 12], align the cut off lengths (Item 1) with the end of the inner & outer shafts. Place a mark (Item 2) [Figure 13] on the inner & outer shafts and cut the inner & outer shafts off at this length.

3. Round off all sharp edges and debur.

4. Thoroughly grease and install the PTO driveline halves together.

5. Recheck for proper operation.
**PTO Driveline Engagement Check**

Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.)

Make sure the PTO driveline and all rotating components have come to a complete stop before exiting the compact tractor.

---

**WARNING**

**AVOID INJURY OR DEATH**

- Do NOT exceed the rated implement PTO speed.
- Stay clear of rotating driveline.
- Keep bystanders away.
- Keep hands, feet, clothing and long hair away.
- Keep PTO shields and all guards in place.
- Disengage PTO, move the tractor controls to the Neutral position, stop the engine and make sure all rotating components are stopped before leaving the operator’s position.
- Do NOT service the tractor or implement with the PTO engaged.
- Do NOT service the implement in a raised position unless properly blocked and with all rotating components stopped.
- Disengage PTO for road travel.

1. Disconnect the PTO driveline from the tractor and fully slide the driveline sections together (retracted).

---

**Figure 14**

2. Measure the retracted (compressed) length of the PTO driveline between the bases of the plastic guards [Figure 14].

3. Multiply the retracted driveline length by 1.667 to determine the PTO driveline Maximum Operating Length. (i.e.: 25.5 in. (647.7 mm) x 1.667 = 42.5 in. (1079.7 mm) Maximum Operating Length).

4. Attach the PTO driveline to the tractor PTO output shaft.

5. Enter the operator’s position. (See “Entering The Operator’s Position” on page 21.)

6. With the PTO driveline attached, position the Tedder to where the telescoping PTO driveline is at its maximum operating extension.

7. Stop the engine and leave the operator’s position. (See “Leaving The Operator’s Position” on page 22.) Make sure the PTO driveline and all rotating components have come to a complete stop before leaving the operator’s position.

8. Measure the length of the PTO driveline between the bases of the plastic shields [Figure 15] to determine the maximum operating length.

A. If the measured maximum operating length is less than the Maximum Operating Length calculation (from Step 3), the PTO driveline has adequate engagement.

B. If the measured maximum operating length is equal to or more than the Maximum Operating Length calculation (from Step 3), the PTO driveline does not have adequate engagement and should be replaced with a longer driveline. See your Farm King dealer for available PTO drivelines.
Operating Tedder (All Models)

**WARNING**

- Do NOT exceed 540 RPM PTO.
- Keep PTO shields and all guards in place.
- Keep away from moving parts.
- Keep bystanders away.

**WARNING**

Before operating the equipment:

- Clear the work area of all bystanders, especially small children and animals.
- Clear the work area of all obstacles.
- Keep shields and all guards in place.
- Keep away from moving parts.

Move to the operator’s position, start the engine and release the parking brake. (See “Entering The Operator’s Position” on page 21.)

Move the tractor and Tedder to work area.

Figure 16

From the operator’s position, manually and simultaneously pull the two strings to unlock the two rams from their mechanical blocking devices.

Once they are unlocked from the mechanical blocking device, the lateral frames will automatically drop down because the machine is equipped with an independent overrun system. This operation is to be done on a flat surface [Figure 16].

**Three-Point Models**

Lower the hydraulic lifter until the groups front teeth skim the soil.

**Pull-Type Models**

Verify the groups inclination in respect to the ground and, previously, the teeth positioning.

Make sure the support foot (or feet) is in a safe position. It should already be in this position since such operation completes the hay Tedder installation to the tractor.

Clear working area of all bystanders, especially small children and all obstacles that might be hooked or snagged, causing injury or damage.

Move to the operator’s position, start the engine and release the parking brake. Engage the PTO.
While operating in the field, the rotary groups will spin and the hay aeration process begins. The teeth skims and scrapes the surface and collects the cut crop pushing it to the rear in order to spread it evenly [Figure 17].

For best results, rotary groups must operate at an angle to the ground, which can vary from 7 to 10°, as shown in [Figure 18].
NOTE: The reference rotation of the rotary groups is determined by the central ones that rotate respectively clockwise on the left group and counter clockwise on the right group [Figure 19].

Operate for a few meters and then check the result of the process. Adjust the angle of the rotary groups if the work process needs improvement. (See "Adjusting Rotating Group Tilt" on page 25.)
TRANSPORTING

Requirements

Comply with federal, state, local and provincial laws regarding the transport of farm equipment on public roadways.

⚠️ WARNING

AVOID SERIOUS INJURY OR DEATH

Use of an unapproved hitch or tractor / tow vehicle can result in loss of control, leading to serious injury or death.

Tractor / tow vehicle and hitch must have the rated capacity to tow equipment.

⚠️ WARNING

AVOID SERIOUS INJURY OR DEATH

Excess weight will greatly increase tractor stopping distance and may cause the operator to lose control of the tractor or tow vehicle.

⚠️ IMPORTANT

Towing Vehicle / Tractor must have adequate braking capacity to safely control GVW trailing load. Do not tow over 20 mph (32 km/h). Towing Vehicle / Tractor unit should weigh approximately 67% of GVW.

Verify that the tractor / tow vehicle is approved for transporting the equipment and that the equipment is securely attached to the tractor / tow vehicle.

Verify safety chain is installed and properly connected before transporting equipment.

Verify that the SMV (Slow Moving Vehicle) emblem, all lights and reflectors are clean and visible.

Transport Position

Figure 20

Transporting Tedder [Figure 20].

NOTE: On three-point models, keep the Tedder wheels between 3 1/4” - 4” (8 - 10 cm) off the ground during road transportation.
MAINTENANCE

TROUBLESHOOTING .................................................................................................................. 39
  Pull-Type Models .................................................................................................................. 39

SERVICE SCHEDULE .............................................................................................................. 40
  Maintenance Intervals ......................................................................................................... 40

TEETH REPLACEMENT ........................................................................................................... 41
  Removal And Installation .................................................................................................... 41

SAFETY SIGN (DECAL) INSTALLATION ............................................................................. 41
  Procedure .......................................................................................................................... 41

STORAGE AND RETURN TO SERVICE ............................................................................... 42
  Storage ................................................................................................................................. 42
  Return To Service .............................................................................................................. 42
TROUBLESHOOTING

Pull-Type Models

WARNING

Instructions are necessary before operating or servicing equipment. Read and understand the Operator And Parts Manual and safety signs (decals) on equipment. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

NOTE: If a problem is encountered that is difficult to solve, even after having read through this troubleshooting section, please call your local distributor or dealer. Before you call, please have this Operator And Parts Manual and the serial number of your machine at hand.

<table>
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<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
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<tr>
<td>Partial or insufficient forage harvesting.</td>
<td>Tines too high off the ground.</td>
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<tr>
<td></td>
<td>Adjust working rotary group angle.</td>
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</tr>
<tr>
<td>Tines rapid wear out.</td>
<td>The tines are continuously in contact with the ground</td>
<td>Adjust working rotary group angle.</td>
</tr>
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</table>
SERVICE SCHEDULE

Maintenance Intervals

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Tedder.

WARNING

Instructions are necessary before operating or servicing equipment. Read and understand the Operator and Parts Manual and safety signs (decals) on equipment. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

<table>
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<th>DESCRIPTION</th>
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<tr>
<td>2</td>
<td>Wheel Bolts</td>
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<tr>
<td><strong>Weekly (or every 50 hours)</strong></td>
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<tr>
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<td>Check All Hardware And Safety Devices.</td>
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<tr>
<td>4</td>
<td>Tedder Condition</td>
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</table>
**TEETH REPLACEMENT**

Removal And Installation

![Warning Icon]

**WARNING**

AVOID INJURY OR DEATH

Before you leave the operator’s position:
- Always park on a flat level surface.
- Place all controls in NEUTRAL.
- Engage the park brake.
- Stop the engine and remove the key.
- Wait for all moving parts to stop.

**SAFETY SIGN (DECAL) INSTALLATION**

Procedure

![Important Icon]

**IMPORTANT**

When replacing safety signs (decals), the temperature must be above 10° C (50° F).

- Remove all portions of the damaged safety sign (decal).
- Thoroughly clean the area with glass cleaner. Remove all adhesive residue.
- Allow the area to dry completely before installing the new safety sign (decal).
- Position the safety sign (decal) in the correct location. Remove a small portion of the backing paper on the safety sign (decal).
- Press on the safety sign (decal) where the backing paper has been removed.
- Slowly remove the remaining backing paper, pressing on the safety sign (decal) as the backing paper is removed.
- Using the backing paper, pressing firmly, move the backing paper over the entire safety sign (decal) area.

**NOTE:** Small air pockets can be pierced with a pin and smoothed out using the piece of the backing paper.

If teeth replacement is necessary (worn or broken), you remove the locking nut (Item 1), remove the fastening screw (Item 2) and teeth-stop plate (Item 3). Remove the pair of teeth (Item 4) from the arm (Item 5) [Figure 21]. Insert a new pair of teeth and proceed in reverse order to assemble.

**Figure 21**

![Diagram of TEDDER with numbers 1 through 5 indicating specific parts for replacement]
STORAGE AND RETURN TO SERVICE

Storage

Sometimes it may be necessary to store your Farm King Tedder for an extended period of time. Below is a list of items to perform before storage.

- Thoroughly clean the equipment.
- Inspect the hitch and all welds on the equipment for wear and damage.
- Check for loose hardware, missing guards, or damaged parts.
- Check for damaged or missing safety signs (decals). Replace if necessary.
- Replace worn or damaged parts.
- Touch up all paint nicks and scratches to prevent rusting.
- Store the Tedder in a clean, dry, sheltered area.
- Place the equipment flat on the ground.

DO NOT permit children to play on or around the stored machine.

Return To Service

After the Farm King Tedder has been in storage, it is necessary to follow a list of items to return the equipment to service.

- Be sure all shields and guards are in place.
- Clean and inspect pusher chain for excessive wear or stiffness. Check for proper adjustment and alignment.
- Inspect and repack wheel bearings with a SAE multi purpose type grease.
- Check that tires are properly inflated.
- Connect to a tractor and operate equipment, verify all functions operate correctly.

DO NOT permit children to play on or around the stored machine.
PARTS IDENTIFICATION

GENERAL INFORMATION ..................................................45

BASE FRAME .................................................................46
  Pull Style Assembly ....................................................46
  Three-Point Style Assembly ........................................48

FRAME AND GUARD ASSEMBLY ........................................50

DRIVELINE ASSEMBLY ..................................................54
GENERAL INFORMATION

The parts identification section lists descriptions, part numbers and quantities for the Tedder. Contact your Farm King dealer for additional Tedder parts information.
BASE FRAME

Pull Style Assembly
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BASE FRAME (CONT’D)

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<td>SNAP RING I 35-7435-75</td>
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<td>OIL SEAL 30.55.10</td>
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<td>CENTRAL SHAFT</td>
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<td>BEVEL PINION Z 17</td>
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<td>17</td>
<td>3110001</td>
<td>KEY 8 X 7 X 25</td>
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</tr>
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<td>RING BEVEL GEAR Z 34</td>
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<td>19</td>
<td>12280001</td>
<td>ROLLER BUSH HK 3520</td>
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<td>AXIAL HOUSING AXK 3552</td>
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<td>21</td>
<td>18030656</td>
<td>COMPLETE AXLE CAGE (AXK + AS)</td>
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<td>22</td>
<td>8020428</td>
<td>CARDAN SHAFT</td>
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<td>23</td>
<td>8020427</td>
<td>CARDAN SHAFT</td>
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<td>YAPER ROLLER BEARING 6006</td>
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<td>25</td>
<td>3120126</td>
<td>FLAT WASHER FROM 0.3-0.5 MM</td>
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</tbody>
</table>
SPECIFICATIONS

SPECIFICATIONS ................................................................. 59
Dimensions ................................................................. 59
Performance ................................................................. 59

HARDWARE TORQUE VALUES ...................................................... 60
Metric Chart ................................................................. 60
Imperial Chart ................................................................. 61

HYDRAULIC CONNECTION SPECIFICATIONS .................................. 62
O-Ring Fitting (Straight Thread) .................................................. 62
O-ring Face Seal Connection ................................................... 62
Flare Fitting ................................................................. 62
Port Seal (O-ring Boss) Fitting ................................................... 62
Tubelines And Hoses ............................................................. 62
### SPECIFICATIONS

#### Dimensions

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>10 FT TEDDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Width</td>
<td>8 ft. 2 in. (250 cm)</td>
</tr>
<tr>
<td>Working Width</td>
<td>10 ft. (310 cm)</td>
</tr>
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</table>

#### Performance

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>10 FT TEDDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>490 lb. (222 kg)</td>
</tr>
<tr>
<td>Rotors / Arms Per Rotor</td>
<td>2 / 6</td>
</tr>
<tr>
<td>Working Speed</td>
<td>9 mph (14 kph)</td>
</tr>
<tr>
<td>Tires</td>
<td>2, 3.50 x 6</td>
</tr>
<tr>
<td>PTO Speed</td>
<td>540 rpm</td>
</tr>
<tr>
<td>Tractor HP</td>
<td>20 hp (15kW)</td>
</tr>
</tbody>
</table>
HARDWARE TORQUE VALUES

Metric Chart

NOTE: Do not use the values listed in the charts if a different torque value or tightening procedure is specified in this manual for a specific application. Torque values listed are for general use only.

Use the following charts to determine the correct torque when checking, adjusting or replacing hardware. Torque values are listed in newton-meters (inch* or foot pounds) for normal assembly applications.

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Class 5.8</th>
<th>Class 8.8</th>
<th>Class 10.9</th>
<th>Lock nuts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unplated</td>
<td>Plated W / ZnCr</td>
<td>Unplated</td>
<td>Plated W / ZnCr</td>
</tr>
<tr>
<td>M4</td>
<td>1.7 (15*)</td>
<td>2.2 (19*)</td>
<td>2.6 (23*)</td>
<td>3.4 (30*)</td>
</tr>
<tr>
<td>M6</td>
<td>5.8 (51*)</td>
<td>7.6 (67*)</td>
<td>8.9 (79*)</td>
<td>12 (102*)</td>
</tr>
<tr>
<td>M8</td>
<td>14 (124*)</td>
<td>18 (159*)</td>
<td>22 (195*)</td>
<td>28 (248*)</td>
</tr>
<tr>
<td>M10</td>
<td>28 (21)</td>
<td>36 (27)</td>
<td>43 (32)</td>
<td>56 (41)</td>
</tr>
<tr>
<td>M12</td>
<td>49 (36)</td>
<td>63 (46)</td>
<td>75 (55)</td>
<td>97 (72)</td>
</tr>
<tr>
<td>M16</td>
<td>121 (89)</td>
<td>158 (117)</td>
<td>186 (137)</td>
<td>240 (177)</td>
</tr>
<tr>
<td>M20</td>
<td>237 (175)</td>
<td>307 (226)</td>
<td>375 (277)</td>
<td>485 (358)</td>
</tr>
<tr>
<td>M24</td>
<td>411 (303)</td>
<td>531 (392)</td>
<td>648 (478)</td>
<td>839 (619)</td>
</tr>
</tbody>
</table>

NOTE: Torque values shown with * are inch pounds.

Identification of Hex Cap Screws and Carriage Bolts - Classes 5 and up

Identification of Hex Nuts and Lock Nuts - Classes 5 and up
HARDWARE TORQUE VALUES (CONT’D)

Imperial Chart

NOTE: Do not use the values listed in the charts if a different torque value or tightening procedure is specified in this manual for a specific application. Torque values listed are for general use only.

Use the following charts to determine the correct torque when checking, adjusting or replacing hardware. Torque values are listed in newton-meters (inch* or foot pounds) for normal assembly applications.

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>SAE Grade 5 Unplated or Plated Silver</th>
<th>SAE Grade 5 Plated W / ZnCr Gold</th>
<th>SAE Grade 8 Unplated or Plated Silver</th>
<th>SAE Grade 8 Plated W / ZnCr Gold</th>
<th>LOCK NUTS Grade W / Gr. 5 Bolt</th>
<th>Grade W / Gr. 8 Bolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>6.2 (55*)</td>
<td>8.1 (72*)</td>
<td>9.7 (86*)</td>
<td>12.6 (112*)</td>
<td>13.6 (121*)</td>
<td>17.7 (157*)</td>
</tr>
<tr>
<td>5/16</td>
<td>13 (115*)</td>
<td>17 (149*)</td>
<td>20 (178*)</td>
<td>26 (229*)</td>
<td>28 (250*)</td>
<td>37 (324*)</td>
</tr>
<tr>
<td>3/8</td>
<td>23 (17)</td>
<td>30 (22)</td>
<td>35 (26)</td>
<td>46 (34)</td>
<td>50 (37)</td>
<td>65 (48)</td>
</tr>
<tr>
<td>7/16</td>
<td>37 (27)</td>
<td>47 (35)</td>
<td>57 (42)</td>
<td>73 (54)</td>
<td>80 (59)</td>
<td>104 (77)</td>
</tr>
<tr>
<td>1/2</td>
<td>57 (42)</td>
<td>73 (54)</td>
<td>87 (64)</td>
<td>113 (83)</td>
<td>123 (91)</td>
<td>159 (117)</td>
</tr>
<tr>
<td>9/16</td>
<td>81 (60)</td>
<td>104 (77)</td>
<td>125 (92)</td>
<td>163 (120)</td>
<td>176 (130)</td>
<td>229 (169)</td>
</tr>
<tr>
<td>5/8</td>
<td>112 (83)</td>
<td>145 (107)</td>
<td>174 (128)</td>
<td>224 (165)</td>
<td>244 (180)</td>
<td>316 (233)</td>
</tr>
<tr>
<td>3/4</td>
<td>198 (146)</td>
<td>256 (189)</td>
<td>306 (226)</td>
<td>397 (293)</td>
<td>432 (319)</td>
<td>560 (413)</td>
</tr>
<tr>
<td>7/8</td>
<td>193 (142)</td>
<td>248 (183)</td>
<td>495 (365)</td>
<td>641 (473)</td>
<td>698 (515)</td>
<td>904 (667)</td>
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<tr>
<td>1</td>
<td>289 (213)</td>
<td>373 (275)</td>
<td>742 (547)</td>
<td>960 (708)</td>
<td>1048 (773)</td>
<td>1356 (1000)</td>
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</table>

NOTE: Torque values shown with * are inch pounds.

Identification of Hex Cap Screws and Carriage Bolts

Identification of Hex Nuts and Lock Nuts

Grade A - No Notches
Grade B - One Circumferential Notch
Grade C - Two Circumferential Notches
Grade A - No Mark
Grade B - Letter B
Grade C - Letter C
Grade A - No Marks
Grade B - Three Marks
Grade C - Six Marks
(Marks not always located at corners)
HYDRAULIC CONNECTION SPECIFICATIONS

O-Ring Fitting (Straight Thread)

Lubricate the O-ring before installing the fitting. Loosen the jam nut and install the fitting. Tighten the jam nut until the washer is tight against the surface.

O-ring Face Seal Connection

Figure 22

<table>
<thead>
<tr>
<th>Tubeline O.D.</th>
<th>Thread Size</th>
<th>N•m (ft-lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>9/16&quot; - 18</td>
<td>13 (18)</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>11/16&quot; - 16</td>
<td>22 (30)</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>13/16&quot; - 16</td>
<td>40 (54)</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>1&quot; - 14</td>
<td>60 (81)</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1-3/16&quot; - 12</td>
<td>84 (114)</td>
</tr>
<tr>
<td>7/8&quot;</td>
<td>1-3/16&quot; - 12</td>
<td>98 (133)</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1-7/16&quot; - 12</td>
<td>118 (160)</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-11/16&quot; - 12</td>
<td>154 (209)</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>2&quot; - 12</td>
<td>163 (221)</td>
</tr>
</tbody>
</table>

When the fitting is tightened, you can feel when the fitting is tight to eliminate leakage caused by under or over torqued fittings. Use petroleum jelly to hold the O-ring in position until the fittings are assembled.

Flare Fitting

Figure 23

<table>
<thead>
<tr>
<th>Tubeline O.D.</th>
<th>Thread Size</th>
<th>N•m (ft-lb)</th>
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</thead>
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<tr>
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<td>13 (18)</td>
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<td>1/2&quot; - 20</td>
<td>17 (23)</td>
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<tr>
<td>3/8&quot;</td>
<td>9/16&quot; - 18</td>
<td>22 (30)</td>
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<td>40 (54)</td>
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<td>5/8&quot;</td>
<td>7/8&quot; - 14</td>
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<td>3/4&quot;</td>
<td>1-1/16&quot; - 12</td>
<td>84 (114)</td>
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<td>7/8&quot;</td>
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<td>98 (133)</td>
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<td>1&quot;</td>
<td>1-5/16&quot; - 12</td>
<td>118 (160)</td>
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<tr>
<td>1-1/4&quot;</td>
<td>1-7/16&quot; - 12</td>
<td>154 (209)</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>1-5/8&quot; - 12</td>
<td>163 (221)</td>
</tr>
</tbody>
</table>

Tighten until the nut makes contact with the seat. Use the chart [Figure 23] to find the correct tightness needed.

NOTE: Port seal and nut, washer and O-ring (O-ring Boss) fittings use the same tightening torque valve chart.

If a torque wrench cannot be used, use the following method.

Tighten the nut until it just makes metal to metal contact, you can feel the resistance.

Tighten the nut with a wrench no more than one hex flat maximum.

Do not over tighten the port seal fitting.

NOTE: If a torque wrench cannot be used, use the hex flat tightening method as an approximate guideline.

NOTE: Port seal fittings are not recommended in all applications. Use O-ring boss fittings in these applications.

Tubelines And Hoses

Replace any tubelines that are bent or flattened. They will restrict flow, which will slow hydraulic action and cause heat.

Replace hoses which show signs of wear, damage or weather cracked rubber.

Always use two wrenches when loosening and tightening hose or tubeline fittings.
WARRANTY
WARRANTY

BASE LIMITED WARRANTY

Farm King provides this warranty only to original retail purchasers of its products. Farm King warrants to such purchasers that all Farm King manufactured parts and components used and serviced as provided for in the Operator’s Manual shall be free from defects in materials and workmanship for a period following delivery to the original retail purchaser of one (1) year. This limited warranty applies only to those parts and components manufactured by Farm King. Parts and components manufactured by others are subject to their manufacturer’s warranties, if any.

Farm King will fulfill this limited warranty by, at its option, repairing or replacing any covered part that is defective or is the result of improper workmanship, provided that the part is returned to Farm King within thirty (30) days of the date that such defect or improper workmanship is, or should have been, discovered. Parts must be returned through the selling representative and the buyer must prepay transportation charges.

Farm King will not be responsible for repairs or replacements that are necessitated, in whole or part, by the use of parts not manufactured by or obtained from Farm King. Under no circumstances are component parts warranted against normal wear and tear. There is no warranty on product pump seals, product pump bearings, rubber product hoses, pressure gauges, or other components that require replacement as part of normal maintenance.

REPAIR PARTS LIMITED WARRANTY

Farm King warrants genuine Farm King replacement parts purchased after the expiration of the Farm King Limited Warranty, and used and serviced as provided for in the Operator’s Manual, to be free from defects in materials or workmanship for a period of thirty (30) days from the invoice date for the parts. Farm King will fulfill this limited warranty by, at its option, repairing or replacing any covered part that is defective or is the result of improper workmanship, provided that the part is returned to Farm King within thirty (30) days of the date that such defect or improper workmanship is, or should have been, discovered. Such parts must be shipped to the Farm King factory at the purchaser’s expense.

WHAT IS NOT COVERED

Under no circumstances does this limited warranty cover any components or parts that have been subject to the following: negligence; alteration or modification not approved by Farm King; misuse; improper storage; lack of reasonable and proper maintenance, service, or repair; normal wear; damage from failure to follow operating instructions; accident; and/or repairs that have been made with parts other than those manufactured, supplied, and / or authorized by Farm King.

AUTHORIZED DEALER AND LABOR COSTS

Repairs eligible for labor under this limited warranty must be made by Farm King or an authorized Farm King dealer. Farm King retains the exclusive discretion to determine whether it will pay labor costs for warranty repairs or replacements, and the amount of such costs that it will pay and the time in which the repairs will be made. If Farm King determines that it will pay labor costs for warranty work, it will do so by issuing a credit to the dealer’s or distributor’s account. Farm King will not approve or pay invoices sent for repairs that Farm King has not previously approved. Warranty service does not extend the original term of this limited warranty.
Warranty Requirements
To be covered by warranty, each new product must be registered with Farm King within thirty (30) days of delivery to original retail purchaser. If the customer decides to purchase replacement components before the warranty disposition of such components is determined, Farm King will bill the customer for such components and then credit the replacement invoice for those components later determined to be covered by this limited warranty. Any such replacement components that are determined not be covered by this limited warranty will be subject to the terms of the invoice and shall be paid for by the purchaser.

Exclusive Effect of Warranty and Limitation of Liability

To the extent permitted by law, Farm King disclaims any warranties, representations, or promises, express or implied, as to the quality, performance, or freedom from defect of the components and parts covered by this warranty and not specifically provided for herein.

TO THE EXTENT PERMITTED BY LAW, FARM KING DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ON ITS PRODUCTS COVERED HEREIN, AND DISCLAIMS ANY RELIANCE BY THE PURCHASER ON FARM KING'S SKILL OR JUDGMENT TO SELECT OR FURNISH GOODS FOR ANY PARTICULAR PURPOSE. THE PURCHASER'S ONLY AND EXCLUSIVE REMEDIES IN CONNECTION WITH THE BREACH OR PERFORMANCE OF ANY WARRANTY ON FARM KING’S PRODUCTS ARE THOSE SET FORTH HEREIN. IN NO EVENT SHALL FARM KING BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BY WAY OF EXAMPLE ONLY AND NOT LIMITATION, LOSS OF CROPS, LOSS OF PROFITS OR REVENUE, OTHER COMMERCIAL LOSSES, INCONVENIENCE, OR COST OF REPLACEMENT OF RENTAL EQUIPMENT). IN NO EVENT SHALL FARM KING’S CONTRACT OR WARRANTY LIABILITY EXCEED THE PURCHASE PRICE OF THE PRODUCT. (Note that some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusion may not apply to you.) This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

Farm King neither assumes nor authorizes any person or entity, including its selling representatives, to assume any other obligations or liability in connection with the sale of covered equipment, or to make any other warranties, representations, or promises, express or implied, as to the quality, performance, or freedom from defect of the components and parts covered herein. No one is authorized to alter, modify, or enlarge this limited warranty, or its exclusions, limitations and reservations.

Corrections of defects and improper workmanship in the manner, and for the applicable time periods, provided for herein shall constitute fulfillment of all responsibilities of Farm King to the purchaser, and Farm King shall not be liable in negligence, contract, or on any other basis with respect to the subject equipment.

This limited warranty is subject to any existing conditions of supply which may directly affect Farm King’s ability to obtain materials or manufacturer replacement parts.

Buhler Industries Inc. reserves the right to make improvements in design or changes in specifications to its products at anytime, without incurring any obligation to owners of units previously sold.
# ALPHABETICAL INDEX

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE FRAME</td>
<td>46</td>
</tr>
<tr>
<td>DRIVELINE ASSEMBLY</td>
<td>54</td>
</tr>
<tr>
<td>EQUIPMENT IDENTIFICATION</td>
<td>10</td>
</tr>
<tr>
<td>FIRE PREVENTION</td>
<td>15</td>
</tr>
<tr>
<td>FRAME AND GUARD ASSEMBLY</td>
<td>50</td>
</tr>
<tr>
<td>GENERAL INFORMATION</td>
<td>21</td>
</tr>
<tr>
<td>GENERAL INFORMATION</td>
<td>45</td>
</tr>
<tr>
<td>HARDWARE TORQUE VALUES</td>
<td>60</td>
</tr>
<tr>
<td>HYDRAULIC CONNECTION SPECIFICATIONS</td>
<td>62</td>
</tr>
<tr>
<td>INITIAL SET-UP</td>
<td>24</td>
</tr>
<tr>
<td>OWNER’S INFORMATION</td>
<td>9</td>
</tr>
<tr>
<td>SAFETY INSTRUCTIONS</td>
<td>13</td>
</tr>
<tr>
<td>SAFETY SIGN (DECAL) INSTALLATION</td>
<td>41</td>
</tr>
<tr>
<td>SAFETY SIGN-OFF FORM</td>
<td>18</td>
</tr>
<tr>
<td>SAFETY SIGNS (DECALS)</td>
<td>17</td>
</tr>
<tr>
<td>SERVICE SCHEDULE</td>
<td>40</td>
</tr>
<tr>
<td>SPECIFICATIONS</td>
<td>59</td>
</tr>
<tr>
<td>STORAGE AND RETURN TO SERVICE</td>
<td>42</td>
</tr>
<tr>
<td>TEETH REPLACEMENT</td>
<td>41</td>
</tr>
<tr>
<td>TRANSPORTING</td>
<td>35</td>
</tr>
<tr>
<td>TROUBLESHOOTING</td>
<td>39</td>
</tr>
<tr>
<td>WARRANTY REGISTRATION FORM</td>
<td>5</td>
</tr>
<tr>
<td>WARRANTY</td>
<td>65</td>
</tr>
</tbody>
</table>