OPERATOR AND PARTS MANUAL

Rotary Cutter

Series II

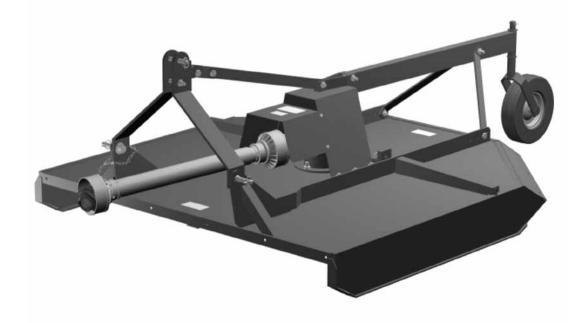


Table of Contents

| Introduction | 5 |
|---|----|
| Safety | 6 |
| Safety Instruction | |
| General Safety | |
| Start-up Safety | |
| Operation Safety | |
| Transport Safety | |
| Service and Maintenance Safety | |
| Storage Safety | |
| Safety Signs | |
| Safety Sign Installation | |
| | |
| Assembly | |
| 3-Point Hitch Mounted Assembly Instructions | |
| Trailing Model Assembly Instructions | |
| Chain Kit Assembly Instructions | 11 |
| | |
| Operation | |
| Theory of Operations | |
| | |
| Maintenance | |
| Service | 15 |
| Bolt Torque | 16 |
| Checking BoltTorque | |
| | |
| Part Drawings | |
| 3-Point Hitch Mounted Drawing | |
| Trailing Drawing | |
| Parts List | |
| Chain Kit Drawing (Optional) | 24 |
| Chain Kit Parts List (Optional) | |
| • 510 PTO Shaft Drawing | |
| 510 (Shear Pin) Trailing Parts List | |
| • 510 (Shear Pin) 3-Point Hitch Parts List | |
| 620 & 720 PTO Shaft Drawing | 30 |
| 620 (Slip Clutch) 3-Point Hitch Parts List | 31 |
| 620 (Slip Clutch) Trailing Parts List | |
| 720 (Slip Clutch) 3-Point Hitch Parts List | 33 |

| 720 PTO Shaft Drawing | 34 |
|---------------------------------------|----|
| 720 (Slip Clutch) Trailing Parts List | 35 |
| • 720 Q-Shaft Drawing | |
| • 720 Q-Shaft Parts List | 37 |
| • 510 Gearbox Drawing | 38 |
| • 510 Gearbox Parts List | |
| 620 Gearbox Drawing | 40 |
| • 620 Gearbox Parts List | |
| 720 Gearbox Drawing | 42 |
| • 720 Gearbox Parts List | |
| Cylinder Drawing and Parts List | 44 |
| Shipping Kit and Bundle Numbers | 45 |
| | |
| Warranty | 48 |

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 soil fertility, applied agricultural techniques, weather conditions and other factors.

Introduction

The Farm King Series II Rotary cutter available in 60", 72" and 84" and are equipped with either trailing style or 3-point hitch. The 3-point hitch is Quick Hitch compatible so it is easy to attach and unhook. 3-point hitch models include a single solid rubber training wheel, while rotary cutters with a trailing hitch have two wheels, either air-filled or made of solid rubber.

Farm King Rotary Cutters are built tough and made to last. The blades are heat-treated to enhance rigidity and the heavy-duty gearbox is designed to be rugged and durable. The access panel on the deck makes it easy to inspect or replace the blades. An optional chain kit minimizes the possibility of flying debris. The stump-jumper is a 24" plate mounted to the blades below the gearbox and minimizes stress on the deck and gearbox. The power take-off (PTO) shaft on the Series II 60" Rotary Cutter includes a sheer pin to protect the gearbox in the event of an unforeseen obstacle, while the 72" and 84" rotary cutters are equipped with a slip clutch to prevent gearbox damage. The Y720T with the trailing style hitch includes a two-piece PTO shaft for tighter turning radius. An 8" cylinder and hoses are optional for all trailing models.

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

The directions left, right, front and rear, as mentioned throughout this manual, are as seen facing in the direction of travel of the implement.

Safety

Safety Instructions

Remember, YOU are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that everyone operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

The alert symbol is used throughout this manual. It indicates attention is required and identifies hazards. Follow the recommended precautions.



The safety alert symbol means... ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

| <u>CAUTION</u> | The caution symbol indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. |
|----------------|---|
| WARNING | The Warning Symbol indicates a potentially hazardous situation that, 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. |
| <u>DANGER</u> | The Danger Symbol indicates an imminently hazardous situation that, if not avoided will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded. |

General Safety Instructions

- Have a first-aid kit available for use and know how to use it.
- Have a fire extinguisher available, stored in a highly visible location, and know how to use it.
- Wear appropriate protective gear. This list may include but is not limited to:
 - hard hat
 - protective shoes with slip resistant soles
 - protective glasses or goggles
 - heavy gloves
 - wet weather gear
 - hearing protection
 - respirator or filter mask
- Read and understand the Operator's Manual and all safety signs before operating, servicing, adjusting, repairing, or unplugging the equipment.
- Do not attempt any unauthorized modifications to your Farm King product as this could affect function or safety, and could affect the life of the equipment.
- Never start or operate the mower except from the operator's station on the power unit.
- Inspect and clean the working area before operating.
- Keep hands, feet, clothing, and hair away from moving parts.
- Ensure bystanders are clear of the area before operating.

Start-up Safety

- Do not let inexperienced operators or children run this equipment.
- Place all tractor and machine controls in neutral before starting.
- Operate only with ROPS and seatbelt equipped tractors.
- Do not operate inside a building unless there is adequate ventilation.
- Ensure all shields are in place and in good condition before operating.
- Stay clear of PTO shaft and machine when engaging PTO.

Operation Safety

- Do not permit riders.
- Do not wear loose fitting clothing during operation.
- Never operate over 540 PTO rpm speed.
- Never operate the equipment in the raised position.

Transport Safety

- Review Transport Safety instructions in tractor manual before moving.
- Check with local authorities regarding transport on public roads. Obey all applicable laws and regulations.
- Do not tow equipment that does not have brakes at speeds over 20 mph (32 km/h).
- Do not two equipment that does not have brakes that, when fully loaded, has a mass (weight) over 3300 lb. (1.5 t) and more than 1.5 times the mass (weight) of the towing unit.
- Make sure the SMV (Slow Moving Vehicle) emblem and all the lights and reflectors that are required by the local highway and transport authorities are in place, are clean, and can be seen clearly by all overtaking and oncoming traffic.

- Never have the equipment in operation during transport.
- Always travel at a safe speed.

Service and Maintenance Safety

- Stop engine, set brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging.
- Support the equipment with blocks or safety stands before working beneath it.
- Follow good shop practices including:
 - keep service area clean and dry
 - be sure electrical outlets and tools are properly grounded
 - use adequate light for the job.
- Replace and secure all shields removed during servicing before operating.
- Use heavy leather gloves to handle sharp objects.
- Check hydraulics regularly for leaks. Use cardboard to look for leaks, and use hand and eye protection.
- Relieve pressure on hydraulic system before repairing or adjusting.

Storage Safety

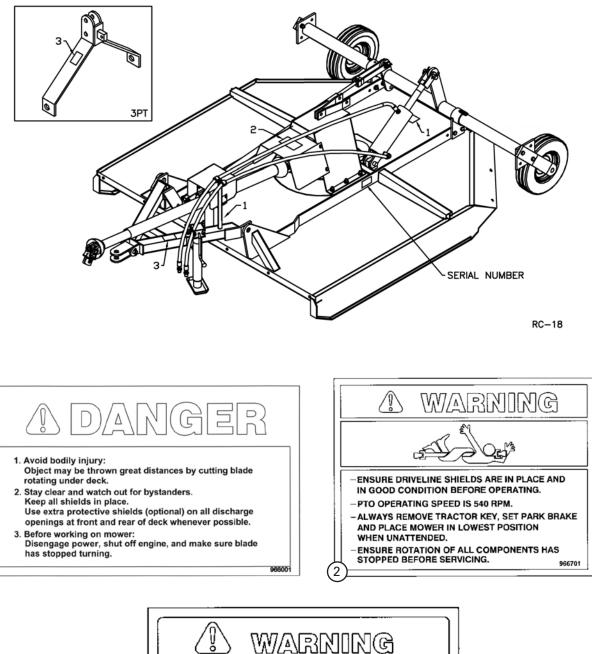
- Store the unit in an area away from human activity.
- Do not permit children to play on or around the stored machine.
- Support the frame on stands and blocks to provide a secure base.

Safety Signs

- The following illustration shows the approximate location and detail of safety signs.
- Keep all safety signs clean and legible and replace any that are damaged or missing.
- When original parts are replaced, any safety signs affixed to those parts should be replaced as well. Replacement safety signs are available from your local dealer.

Installation

- To install safety signs, ensure the installation area is clean and dry. Decide on the exact position before you remove the backing paper. Remove the smallest portion of the split backing paper and align over the specified area. Carefully press in place.
- Slowly peel back the remaining paper and smooth the remaining portion in place. Small air pockets can be pierced with a pin and smoothed out.
- Replace safety sign immediately should it become damaged, torn or illegible. Obtain replacements from your authorized dealer using the part numbers shown.



CHECK PTO SHAFT LENGTH BEFORE RAISING OR LOWERING IMPLEMENT. SHAFT MUST NOT BOTTOM OR SEPERATE (SEE MANUAL) 108431

Assembly Instructions

3-Point Hitch Mounted Assembly Instructions

- 1. Mount the hitch assembly (#7) to the deck using the category 1 lift arm pins (#32) supplied. The bushings (#34), and the 1" I.D. washer (#73) should allow the hitch to swivel freely.
- 2. The ends of the two pivot arms (#5 & #6) with the offset holes bolt to the hitch using a 5/8" x 4" bolt and lock nut. The offset should be turned down. The lift arm (#4) bolts between the ends of the pivot arms and the brackets at the top of the center mount (#2) using 5/8" x 2" hex bolts and lock nuts. Do not over tighten the lock nuts. The entire hitch assembly should swivel freely if properly assembled. Assemble chain PTO holder (#104) to 3-point hitch (#7) using one 3/8" x 1 1/2" hex bolt (#103), lock washer and hex nut.
- 3. Bolt the tail wheel arm (#8) to the center mount (#2) using a 5/8" x 4" bolt and lock nut. The tube welded to the outside end of the tail wheel arm is offset 2-1/4" past the edge of the tube. The 2-1/4" offset is turned down for 5' and 6' cutters and up for 7' cutters. Assemble the tail wheel (#11) in the wheel yoke (#10) using axle pin (#12) and a 1/4" x 1-1/2" cotter pin. Mount the yoke in the sleeve at the end of the tail wheel arm. Use an 18 gauge washer on each side of the sleeve and lock in place with a 1/4" x 1-3/4" cotter pin. The adjustment arms (#9) hold the tail wheel arm in place and also set the cutting height of the cutter. Bolt arms to the deck using hex bolts (#15) and lock nuts and to the tail wheel arm using 5/8" x 4" hex bolt and lock nut.
- 4. Connect the PTO shaft to the gearbox. A snap ring holds on the PTO shafts with a shear pin. The clutch must be engaged on PTO shafts with a slip clutch as per operating instructions so the clutch will slip if you hit a hard object. After engaging clutch, bolt the PTO guard (#3) to the center mount using 5/16" x 3/4" hex bolts, lock washers and hex nuts.
- 5. Re-check all the fasteners. There should be free movement of all pieces held together by a bolt and lock nut.

Trailing Model Assembly Instructions

- 1. Mount the swivel tube assembly (#47) to the cutter deck by bolting to the outside edge of the deck reinforcement using 1/2" x 1-3/4" hex bolts, lock washers and hex nuts.
- 2. The wheel yoke arms (#48) may be assembled to cutter in two ways:
 - Wheels trailing behind mower. Assemble as shown in drawing. Bolt the yoke arms (#48) to the tube assembly using 1/2" x 2" hex bolts, lock washers and hex nuts with the wheels turned to the inside of the mower. With the wheels in this position, the control rod clevis (#53) attaches to the top bracket on the tube assembly as shown in drawing. Use a 1" I.D. flat washer and a 1/4" x 1-1/2" cotter pin to mount the wheels.
 - Wheels forward at side of cutter. Bolt the yoke arms to the tube assembly so the wheels are on the outside of the cutter. With the wheels in this position, the control rod clevis (#53) attaches to the bottom bracket on the tube assembly.
- 3. Bolt the tongue assembly (#63) to the cutter deck using 7/8" x 2-1/2" bolts, lock washers and hex nuts. The 1-1/4" diameter x 5/8" long bushings (#58) held in place by a 1" I.D. flat washer (#73) should allow the tongue to swivel.

- 4. Bolt the welded end of the level control rod (#56) to the front tongue as shown on drawing using a 5/8" x 2 ½" hex bolt and lock nut. The control rod clevis (#53) must be adjusted so the cutter will sit level with the ground when it is pinned to the swivel assembly. NOTE: Be sure to use the top bracket on the swivel assembly (#47) when the wheels are trailing behind the cutter as shown in drawing.
- 5. Mount the slip clutch PTO shaft on the cutter. The clutch must be engaged so it will slip when you hit a hard object as per operating instructions. After engaging the clutch, bolt on the PTO guard (#3) using 5/16" x 3/4" hex bolts, lock washers and hex nuts.
- 6. An optional jack (#67) is available to lift the tongue when mounting the cutter a tractor.
- 7. Re check and tighten all bolts. Only pieces held by a bolt and lock nut should have free movement.
- 8. 7' Cutters Only: Bolt the PTO bearing stand (#76) to the edge of the deck using 5/8" x 1-3/4" hex bolts, lock washers and hex nut. Mount the PTO Q-shaft on the cutter gearbox. Slide a 1- 3/8" pillow bearing onto the shaft at the end of the Q-shaft. With the guard mount (#77) under the pillow bearing, bolt the pillow block to the stand using 5/8" x 2-1/4" hex bolts, lock washers and hex nuts. Connect the second PTO shaft to the splined end of the Q-shaft. Bolt the PTO guard (#78) to the stand using 1/4" x 1/2" hex bolts, lock washers and hex nuts.

Chain Kit Assembly Instructions

All cutters have the required holes for mounting the chain kit. The use of this chain kit will help reduce the possibility of injury to persons or property by stopping many thrown objects.

- 1. Bolt the front chain holder (#1) to the front of the cutter using 1/2" x 1" hex bolts, lock washers and hex nuts.
- 2. Use 1/4' x 6 link chains (#7) at the front. A chain is pushed through each slot from underneath and a 3/8" rod is threaded through the top link of each chain. Hold rods in place using the cotter pins supplied. See parts list for correct length of rods.
- 3. Bolt the rear center (#3) and rear side (#14) chain holder to the rear of the cutter. Use 1/4" x 5 link chains (#8) along all rear edges. Thread rods as in front using lengths as shown in parts list. **NOTE**: Washers are used to hold an extra chain at both ends of the rear center rod and at the inside end only of the rear side rods. These extra chains close the gap left at the corners where the chain holders meet.

Operation Instructions

1. Connecting to Tractor: All cutters are supplied with a standard 1 3/8" 6-spline yoke on the PTO shaft.



This cutter is designed to operate only with a 540 rpm PTO. After connecting cutter to tractor and before doing any cutting, check to see that the PTO shaft is not touching anywhere on the cutter when raising and lowering or when cornering.

2. PTO Shafts: Make sure the length of the PTO shaft is compatible with different working positions of the cutter. Carefully follow the lubrication chart supplied with the PTO shaft. When cutting, avoid joint angles over 35°. PTO shafts should be disengaged when turning sharp corners. Using tape or a bright colored marking pen, mark on the outer shields the position where the shaft is completely pushed together and the position where you have a 4" overlap. Watch these marks when moving the cutter through all possible operating angles to see that the PTO shaft stays within this range.

PTO Shafts with Shear Pin: Loosen the outer shield on the implement end of the PTO and push the gearbox shaft through the end yoke. Using snap ring pliers, put the snap ring on the end of the gearbox shaft. This is what keeps the PTO shaft on if the shear pin breaks and the cutter should not be used without it. Insert a 1/2" x 3-1/2" Grade 2 bolt with a lock nut to act as shear pin and replace all shields.

PTO Shafts with Slip Clutch: **NOTE**: All PTO shafts with a slip clutch are shipped with the slip clutch disengaged. There are four socket set screws on the inside of the clutch assembly which are all turned out as far as they go to engage the clutch. Disengage by turning set screws in fully. The clutch should slip if a hard object such as a stump or rock is hit by the blades.



WARNING

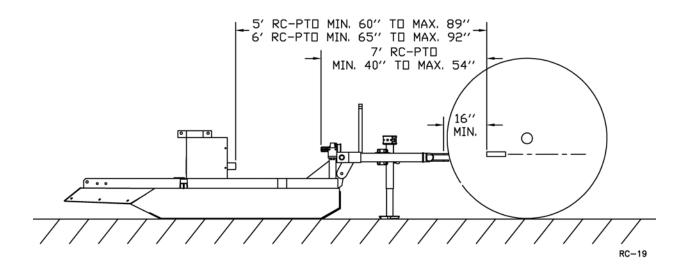
Always be certain that the PTO shaft is disengaged and the tractor brakes are locked before making this or any other adjustment.

The clutch plates should be "burned" just before using the cutter in spring for the first time. This is done by disengaging the clutch and then engaging the PTO shaft for a few seconds till the clutch plates smoke. After this you engage the clutch again as described above. This is done because the plates may lock up during prolonged storage.

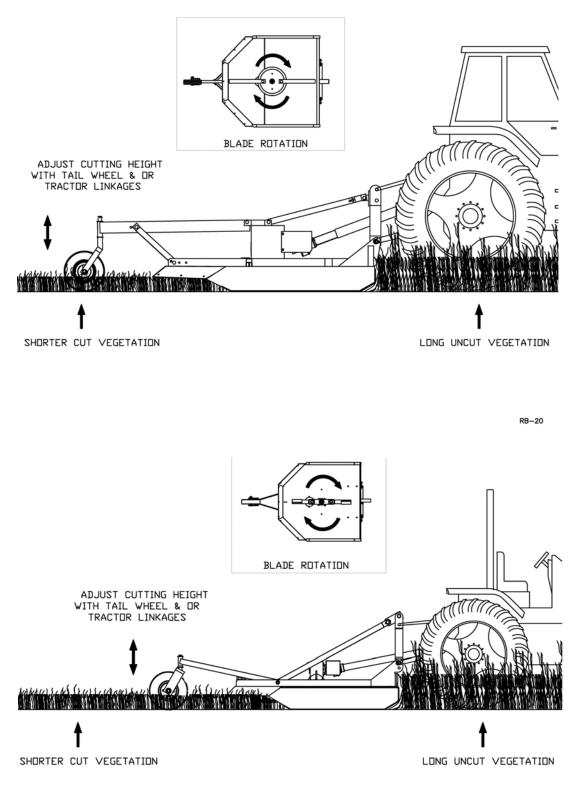
3. Operating Tractor Engine: Operate the tractor PTO at 540 rpm when doing normal cutting. If the forward speed is too high, a lower gear can be used.

- 4. Cutting: The cutter should be run with the front end a little low or just level for normal light cutting. For brush or dense tall weeds, running front end high may give a better shredding job. On rough ground, the front end will also tend to dig in less. The cutter can also be used to shred stubble or top vegetables prior to harvest.
- 5. 5' & 6' Trailing Models: The wheels supplied with the cutter are for towing at speeds of no more than 20 mph. These wheels should be greased every time you use the cutter.

NDTE: TRACTOR HITCH OF LESS THAN 16" MIN CAN RESULT IN PTO BOTTOMING DUT. (ASAE STD: TYPE 2 PTO (1 3/8"/1000 RPM) = TRACTOR HITCH DIM OF 16")



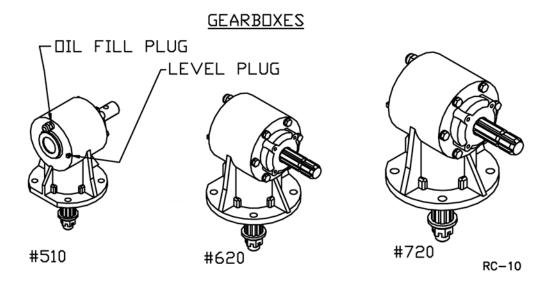
Theory of Operations



Maintenance

Service

1. Gearbox: The gearbox should be filled with SAE90 oil to the bottom edge of the lower oil plug when shipped. Check this before using the cutter and at regular intervals to see that this oil level is maintained.



- 2. Grease wheels, tail wheel spindle sleeve, universal joints and shield bushings on the PTO shaft after every eight hours of use. Lubricate the telescoping PTO tube and the PTO quick release about every twenty hours of use.
- 3. Shielding: Always keep all shielding in place and repair or replace if damaged.
- 4. Blades: When replacing or grinding the cutting blades, both blades must be replaced or reground at the same time to maintain the proper balance in the cutting unit. NOTE: Use Farm King replacement blades only. Using substitute blades may be dangerous. When changing blades, open the access door on the deck and take the screws out of the blade pin clips. The clips are then pulled out and the blade should fall down. Replacing the new or sharpened blades is done with the back of the mower raised and securely blocked so it will not fall. Bolt on the blade pin clips and close the access door.
- 5. PTO Shaft: To replace clutch lining on slip clutch PTO shafts, first disengage the clutch by turning the four set screws all the way in. Remove outside bolts from clutch assembly and replace clutch linings. When re-tightening bolts, stop when the clutch spacer starts to touch the clutch plates. You should be able to just move the spacer by hand when you have the correct bolt torque. Re-engage clutch after assembly is complete.

Bolt Torque

Checking Bolt Torque

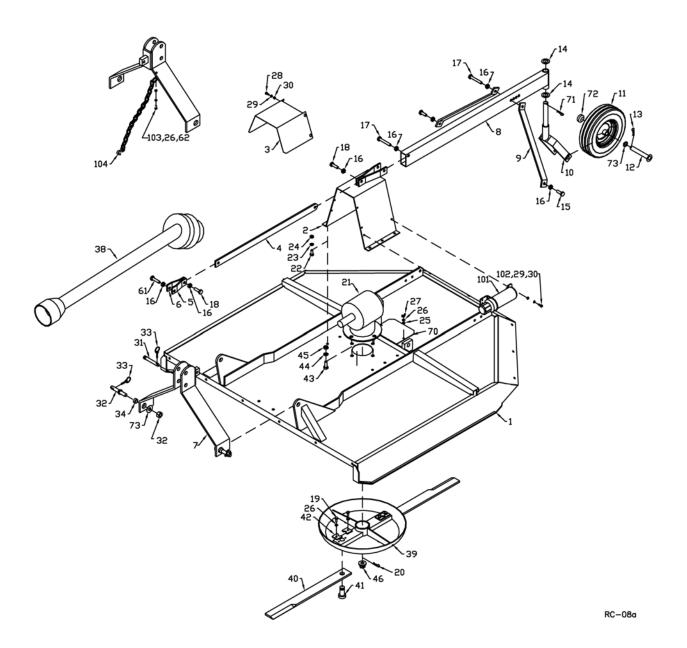
The tables shown below give correct torque values for various bolts and hex bolts. Tighten all bolts to the torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt torque chart as a guide. Replace hardware with the same strength bolt.

| Bolt Torque* | | | | | | |
|---------------|------------|---------|---------|------------|---------|---------|
| | \bigcirc | | Ć | \bigcirc | | |
| Bolt Diameter | Grade | 2 Bolts | Grade | 5 Bolts | Grade | 8 Bolts |
| (inches) | SA | E 2 | SA | E 5 | SA | E 8 |
| "A" | (lb-ft) | (N.m) | (lb-ft) | (N.m) | (lb-ft) | (N.m) |
| 0.25 (1/4) | 6 | 8 | 9 | 12 | 12 | 17 |
| 0.313 (5/16) | 10 | 13 | 19 | 25 | 27 | 36 |
| 0.375 (3/8) | 20 | 27 | 33 | 45 | 45 | 63 |
| 0.438 (7/16) | 30 | 42 | 53 | 72 | 75 | 100 |
| 0.5 (1/2) | 45 | 61 | 80 | 110 | 115 | 155 |
| 0.563 (9/16) | 70 | 95 | 115 | 155 | 165 | 220 |
| 0.625 (5/8) | 95 | 128 | 160 | 215 | 220 | 305 |
| .75 (3/4) | 165 | 225 | 290 | 390 | 400 | 540 |
| 0.875 (7/8) | 170 | 230 | 420 | 570 | 650 | 880 |
| 1 | 225 | 345 | 630 | 850 | 970 | 1320 |

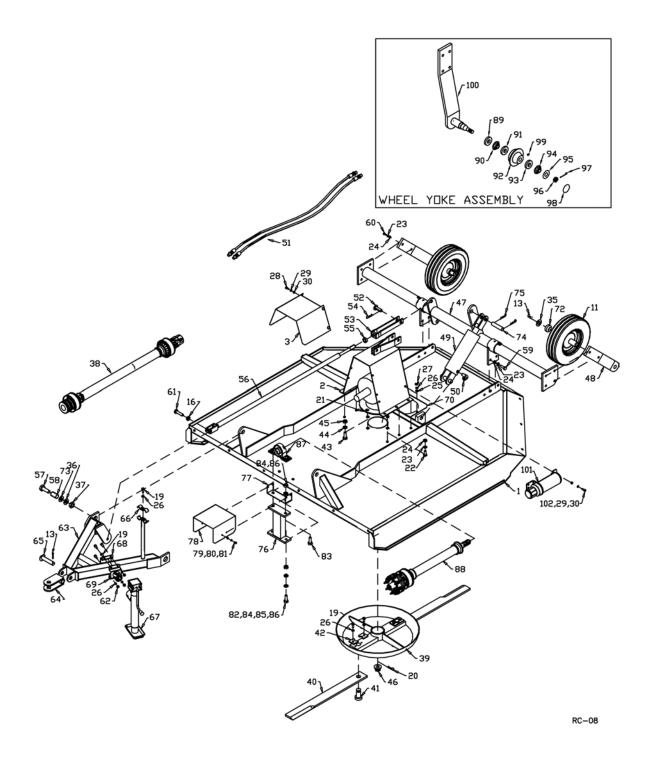
Torque figures indicated above are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or hex bolts unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

* Torque value for bolts and hex bolts are identified by their head markings.

3-Point Hitch Mounted Drawing



Trailing Drawing



When Ordering Parts

Always give your dealer the Model, Color and Serial Number of your machine to assist him in ordering and obtaining the correct parts. Use the exploded view and tabular listing of the area of interest to exactly identify the required part.

| ltem | Part Number | Description |
|------|-------------|--------------------------------------|
| 1 | 906417 | Deck Weldment - 5' |
| | 906419 | Deck Weldment - 6' |
| | 906420 | Deck Weldment - 7' |
| 2 | 906426 | Center Mount - 5' |
| | 906372 | Center Mount - 6' & 7' |
| 3 | 966502 | PTO Guard - 5' |
| | 966102 | PTO Guard - 6' & 7' |
| 4 | 906424 | Lift Arm (25-1/4") - 5' |
| | 906425 | Lift Arm (32-1/2") - 6' |
| | 906382 | Lift Arm (38-1/4") - 7' |
| 5 | 906380 | Pivot Arm (Left) - 5', 6', & 7' |
| 6 | 906381 | Pivot Arm (Right) - 5', 6', & 7' |
| 7 | 906389 | A-Frame Hitch Weldment - 5' |
| | 906390 | A-Frame Hitch Weldment - 6' & 7' |
| 8 | 966582 | Tail Wheel Arm (48") - 5' |
| | 966144 | Tail Wheel Arm (54-1/2") - 6' |
| | 905143 | Tail Wheel Arm (63") - 7' |
| 9 | 966508 | Adjustment Arm (22-1/8") - 5' |
| | 966105 | Adjustment Arm (24-1/2") - 6' |
| | 902318 | Adjustment Arm (22-1/8") - 7' |
| 10 | 966583 | Rear Wheel Yoke - 5' |
| | 966145 | Rear Wheel Yoke - 6' |
| | 905147 | Rear Wheel Yoke - 7' |
| 11 | 910032 | 16" Rubber Sectional Wheel - 5' & 6' |
| | 966510 | 16" Solid Rubber Wheel - 5' & 6' |
| | 905145 | 20 1/2" Solid Rubber Wheel w/ Brg 7' |
| 12 | 966511 | Axle Pin (1" x 7") |
| 13 | 9812434 | 1/4" x 1-1/2" Cotter Pin |
| 14 | 967110 | 1-1/4" ID x 14 Ga Narrow Rim Washer |
| 15 | 84270 | 5/8" x 1-3/4" Hex Bolt - 5' & 6' |
| | 84299 | 5/8" x 2" Hex Bolt - 7' |
| 16 | 812482 | 5/8" Lock Nut |
| 17 | 81671 | 5/8" x 4" Hex Bolt |
| 18 | 84299 | 5/8" x 2" Hex Bolt |
| 19 | 86170 | 3/8" x 1" Hex Bolt |
| 20 | 966562 | 85mm x 50mm Cotter Pin |

| ltem | Part Number | Description |
|------|-------------|--|
| 21 | 966108 | Gearbox Assembly (Shear Pin) - 5' |
| | 966109 | Gearbox Assembly (Slip Clutch) - 6' |
| | 966194 | Gearbox Assembly (Slip Clutch) - 7' |
| 22 | 81620 | 1/2" x 1-1/4" Hex Bolt |
| 23 | 81637 | 1/2" Lock Washer |
| 24 | 81636 | 1/2" Hex Nut |
| 25 | 84000 | 3/8" ID Flat Washer |
| 26 | 81593 | 3/8" Lock Washer |
| 27 | 84217 | 3/8" Wing Nut |
| 28 | 81549 | 5/16" x 3/4" Hex Bolt |
| 29 | 81569 | 5/16" Lock Washer |
| 30 | 81568 | 5/16" Hex Nut |
| 31 | 965807 | Top Link Pin (Cat.1) - 5' |
| | 965910 | Top Link Pin 1" x 5-1/4" (Cat.2) - 6' & 7' |
| 32 | 965809 | Lift Arm Pin w/ Nut & Washer (Cat.1) - 5' |
| | 965926 | Lift Arm Pin w/ Nut & Washer (Cat.2) - 6' & 7' |
| 33 | 965911 | Linch Pin 7/16" |
| 34 | 906416 | Swivel Bushing (1-1/4" O.D. x 7/16") - 5' |
| | 906418 | Swivel Bushing (1-1/2" OD x 9/16") - 6' & 7' |
| 35 | 84522 | 1" S.A.E. Flat Washer |
| 36 | 81723 | 7/8" Lock Washer - 5' |
| | 981765 | 1-1/8" Lock Washer (pl) - 6' & 7' |
| 37 | 81722 | 7/8" Hex Nut - 5' |
| | 907310 | 1-1/8" Hex Nut - 6' & 7' |
| 38 | F0438 | PTO Shaft (Shear Pin) - 5' w/ 3-Point Hitch |
| | F0440 | PTO Shaft (Slip Clutch) - 6' w/ 3-Point Hitch |
| | F0441 | PTO Shaft (Slip Clutch) - 6' Trailing Type |
| | F0439 | PTO Shaft (Shear Pin) - 5' Trailing Type |
| | F0442 | PTO Shaft (Slip Clutch) - 7' w/ 3-Point Hitch |
| | F0443 | PTO Shaft (Slip Clutch) - 7' Trailing Type |
| 39 | 966518 | Stump Jumper - 5' |
| | 966110 | Stump Jumper - 6' & 7' |
| 40 | 966519 | Blade (24") - 5' (Standard) |
| | 966111 | Blade (30") - 6' (Standard) |
| | 966192 | Blade (36") - 7" (Standard) |
| | F9439 | Blade (24-1/4") - 5' (Optional Low Cut) Set of 2 |
| | F9440 | Blade (30-1/4") - 6' (Optional Low Cut) Set of 2 |
| 41 | 966520 | Blade Pin Clip |
| 42 | 966521 | Blade Pin Clip |
| 43 | 84299 | 5/8" x 2" Hex Bolt - 5' |
| | 81684 | 3/4" x 2 1/4" Hex Bolt - 6' & 7' |

| ltem | Part Number | Description |
|------|-------------|--|
| 44 | 81677 | 5/8" Lock Washer - 5' |
| | 81701 | 3/4" Lock Washer - 6' & 7' |
| 45 | 81676 | 5/8" Hex Nut - 5' |
| | 81700 | 3/4" Hex Nut - 6' & 7' |
| 46 | 967217 | 1" Slotted Hex Nut - 5' & 6' |
| | 907157 | 30M x 2 Slotted Hex Nut - 7' |
| 47 | 966584 | Swivel Tube Assembly (61-3/4") - 5' |
| | 966146 | Swivel Tube Assembly (73-3/4") - 6' & 7' |
| 48 | 966523 | Wheel Yoke Arm |
| 49 | 24791M | 3" x 8" Stroke Hydraulic Cylinder - (Optional) |
| 50 | 964650 | 1/2" x 90 Degree Street Elbow - 5' & 6' |
| 51 | 114905 | 1/2" x 144" Hydraulic Hose - (Optional) |
| 52 | 966524 | Control Rod Pin (3/4" x 2-5/16") |
| 53 | 966525 | Control Rod Clevis - 5' |
| | 902341 | Control Rod Clevis - 6' & 7' |
| 54 | 9812433 | 3/16" x 1-1/2" Cotter Pin |
| 55 | 81700 | 3/4" Hex Nut - 5' |
| | 967142 | 1" Hex Nut (pl) - 6' & 7' |
| 56 | 966526 | Level Control Rod (1.24" x 50-1/2") - 5' |
| | 906122 | Level Control Rod (1.66" x 59-1/4") - 6' |
| | 901756 | Level Control Rod (1.66" x 71-1/2") - 7' |
| 57 | 966527 | 7/8" x 2-1/2" Bolt - 5' |
| | 907308 | 1-1/8" x 2-1/2" Hex Bolt (pl) - 6' & 7' |
| 58 | 966528 | Swivel Bushing (1-1/4" OD x 5/8") - 5' |
| | 906418 | Swivel Bushing (1-1/4" OD x 9/16") - 6' & 7' |
| 59 | 87553 | 1/2" x 1-3/4" Hex Bolt |
| 60 | 81684 | 1/2" x 2-1/4" Hex Bolt |
| 61 | 84335 | 5/8" x 2-1/2" Hex Bolt |
| 62 | 81592 | 3/8" Hex Nut |
| 63 | 906414 | Hitch Weldment - 5' |
| | 906415 | Hitch Weldment - 6' & 7' |
| 64 | 966530 | Swivel Clevis |
| 65 | 966531 | Clevis Pin (1" x 4-9/16") |
| 66 | 964638 | Hose Clamp |
| 67 | 960327 | Jack |
| 68 | 966532 | Jack Clamp |
| 69 | 966533 | Jack Clamp w/ Pivot |
| 70 | 966534 | Access Door |
| 71 | 81210 | 1/4" x 2" Cotter Pin |
| 72 | 966563 | Wheel Bushing - 5' & 6' |
| | 89598 | Bearing Ball - 7' |

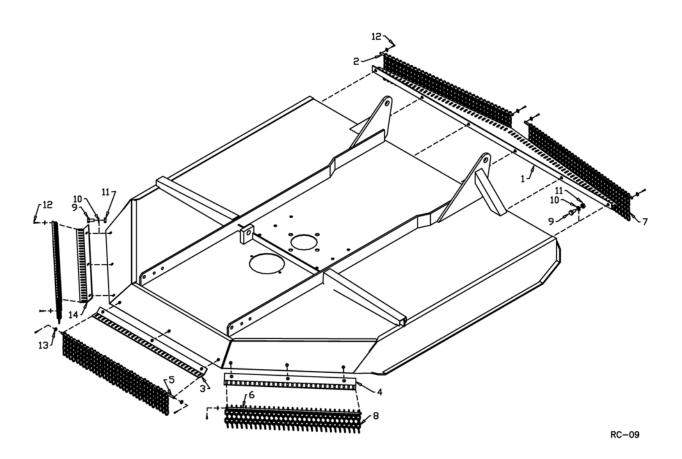
| ltem | Part Number | Description |
|------|-------------|----------------------------------|
| 73 | 967140 | 1" x 10 Ga Narrow Rim Washer |
| | 907309 | 1 1/8" x 10 Ga Narrow Rim Washer |
| 74 | 103753 | 1" X 4" Clevis Pin |
| 75 | 12779 | Hair Pin Clip #9 |

| 7' Trailing PTO | Kit | |
|-----------------|--------|------------------------|
| 76 | 902348 | PTO Stand Weld't |
| 77 | 902549 | PTO Guard Mount |
| 78 | 902550 | PTO Guard |
| 79 | 81523 | 1/4" x 1/2" Hex Bolt |
| 80 | 81545 | 1/4" Lock Washer |
| 81 | 81544 | 1/4" Hex Nut |
| 82 | 84270 | 5/8" x 1-3/4" Hex Bolt |
| 83 | 981664 | 5/8" x 2-1/4" Hex Bolt |
| 84 | 81677 | 5/8" Lock Washer |
| 85 | 812639 | 5/8" Flat Washer |
| 86 | 81676 | Hex Nut |
| 87 | 967490 | 1-3/8" Pillow Baring |
| 88 | F9458 | PTO w/Qshaft |

| Wheel Yoke As | Wheel Yoke Assembly | | |
|---------------|---------------------|-------------------------------|--|
| 89 | 961891 | Oil Seal CTD (SE11) | |
| 90 | 967712 | Outer Bearing Cone (LM67048) | |
| 91 | 968405 | Bearing Cup (LM11910) | |
| 92 | 105173 | 4-Bolt Hub (H411) w/ Cups CTD | |
| 93 | 967711 | Outer Bearing Cup (LM67010) | |
| 94 | 968406 | Outer Bearing Cone (LM11949) | |
| 95 | 9812416 | Washer 3/4" SAE (br) | |
| 96 | | 3/4" Slotted Hex Nut (br) | |
| 97 | 981309 | 1/8" x 1-1/4" Cotter Pin (br) | |
| 98 | 968409 | Dust Cap (C12) | |
| 99 | 967900 | Grease Fitting 1/4" | |
| 100 | 901051 | Wheel Yoke 3/4" x 4" x 26" | |
| | F9434 | Wheel Yoke Assembly c/w Hub | |

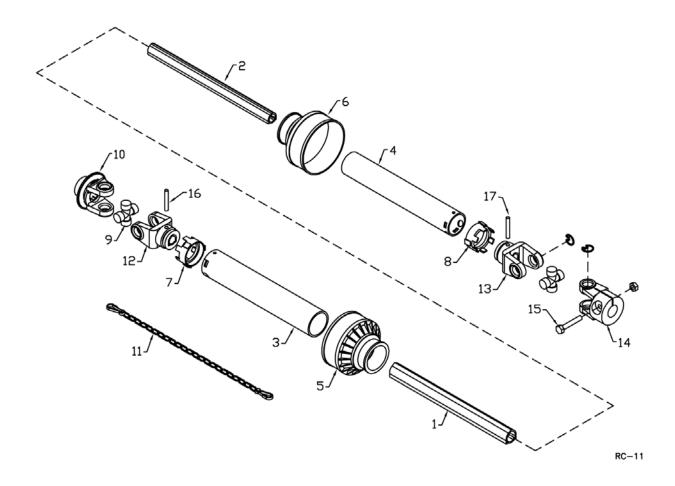
| 101 | 907475 | Manual (FK324) w/ Holder |
|-----|--------|--------------------------|
| | 909277 | Manual Hldr. |
| 102 | 812026 | 5/16" x 1" Hex Bolt |
| 103 | 811792 | 3/8" x 1-1/2" Hex Bolt |
| 104 | 909703 | 23 Link Chain w/ Hook |

Chain Kit Drawing (Optional)



| ltem | Part Number | Description |
|------|-------------|--|
| 1 | 966586 | Front Chain Holder, 5' (60" Long) |
| | 966147 | Front Chain Holder, 6' (72" Long) |
| | 966610 | Front Chain Holder, 7' (84" Long) |
| 2 | 966587 | Front Chain Rod, 5' (3/8" x 30-1/2") |
| | 966148 | Front Chain Rod, 6' (3/8" x 36-3/8") |
| | 966611 | Front Chain Rod, 7' (3/8" x 42") |
| 3 | 966588 | Rear Center Chain Holder, 5' (29" Long) |
| | 966149 | Rear Center Chain Holder, 6' (32-1/4" Long) |
| | 966612 | Rear Center Chain Holder, 7' (33-1/2" Long) |
| 4 | 966589 | R.H. Rear Side Chain Holder, 5' (23" Long) |
| | 966150 | R.H. Rear Side Chain Holder, 6' (28" Long) |
| | 966613 | R.H. Rear Side Chain Holder, 7' (37-1/4" Long) |
| 5 | 966587 | Rear Center Chain Rod, 5' (3/8" x 30-1/2") |
| | 966151 | Rear Center Chain Rod, 6' (3/8" x 34") |
| | 966614 | Rear Center Chain Rod, 7' (3/8" x 33") |
| 6 | 966590 | Rear Side Chain Rods, 5' (3/8" x 24") |
| | 966152 | Rear Side Chain Rods, 6' (3/8" x 28-7/8") |
| | 966615 | Rear Side Chain Rods, 7' (3/8" x 37") |
| 7 | 966591 | 1/4" x 6 Link Plated Chain (Front) |
| 8 | 966596 | 1/4" x 5 Link Plated Chain (Rear) |
| 9 | 81619 | 1/2" x 1" Hex Bolt |
| 10 | 81637 | 1/2" Lock Washer |
| 11 | 81636 | 1/2" Hex Nut |
| 12 | 9812430 | 1/8" x 1" Cotter Pin |
| 13 | 964001 | 7/16" I.D. x 10 Ga x 1" O.D. Flat Washer (pl) |
| 14 | 966593 | L.H. Rear Side Chain Holder, 5' (23" Long) |
| | 966594 | L.H. Rear Side Chain Holder, 6' (28" Long) |
| | 966616 | L.H. Rear Side Chain Holder, 7' (37-1/4" Long) |

510 PTO Shaft Drawing



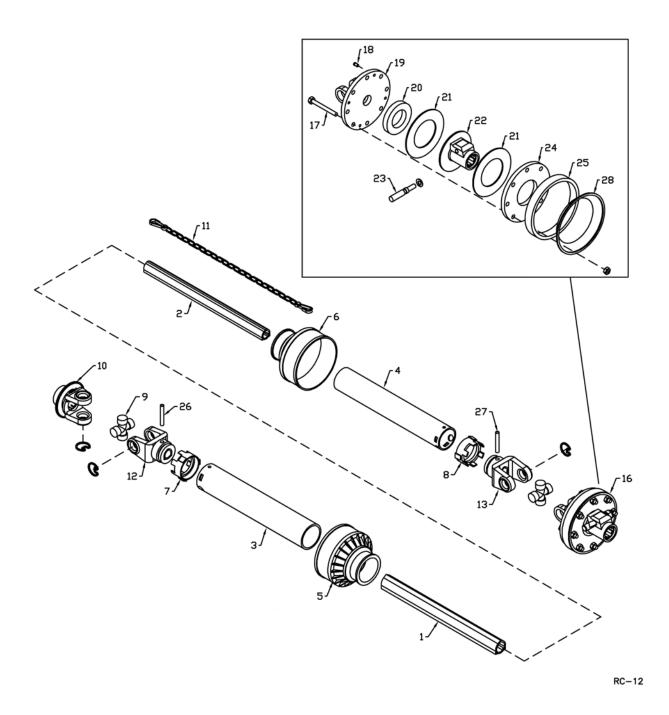
Farm King _____

| ltem | Part Number | Description |
|-----------------|-----------------------|---|
| | | |
| 510 - (Shear Pi | n)Trailing Parts List | |
| | F0439 | Shaft Complete |
| | 907286 | Tractor Half |
| | 907287 | Implement Half |
| 1 | 936347 | Outer Cardan Tube |
| 2 | 936349 | Inner Cardan Tube |
| 3 | 966248 | Outer Shield Tube |
| 4 | 966249 | Inner ShieldTube |
| 5 | 966207 | Outer Shield Cone |
| 6 | 966208 | Inner Shield Cone |
| 7 | 966209 | Outer Shield Collar |
| 8 | 966210 | Inner Shield Collar |
| 9 | 966211 | Repair Kit |
| 10 | 907186 | Quick Disconnect Yoke (6 Spline) 540rpm |
| 11 | 936402 | Safety Chain |
| 12 | 936344 | Outer Tube Yoke |
| 13 | 936345 | InnerTubeYoke |
| 14 | 966216 | ShearYoke |
| 15 | 9812034 | Shear Bolt 1/2" x 3-1/2" Gr 2 |
| 16 | 936350 | Flexible Pin, Outer Yoke |
| 17 | 936351 | Flexible Pin, Inner Yoke |

Farm King _____

| ltem | Part Number | Description | |
|-----------------|--|---|--|
| | | | |
| 510 - (Shear Pi | 510 - (Shear Pin) 3-Point Hitch Parts List | | |
| | F0438 | Shaft Complete | |
| | 907292 | Tractor Half | |
| | 907293 | Implement Half | |
| 1 | 936346 | Outer Cardan Tube | |
| 2 | 936348 | Inner Cardan Tube | |
| 3 | 966205 | Outer Shield Tube | |
| 4 | 966206 | Inner ShieldTube | |
| 5 | 966207 | Outer Shield Cone | |
| 6 | 966208 | Inner Shield Cone | |
| 7 | 966209 | Outer Shield Collar | |
| 8 | 966210 | Inner Shield Collar | |
| 9 | 966211 | Repair Kit | |
| 10 | 907186 | Quick Disconnect Yoke (6 Spline) 540rpm | |
| 11 | 936402 | Safety Chain | |
| 12 | 936344 | OuterTubeYoke | |
| 13 | 936345 | InnerTubeYoke | |
| 14 | 966216 | ShearYoke | |
| 15 | 9812034 | Shear Bolt 1/2" x 3-1/2" Gr 2 | |
| 16 | 936350 | Flexible Pin, Outer Yoke | |
| 17 | 936351 | Flexible Pin, Inner Yoke | |

620 & 720 PTO Shaft Drawing



Farm King _____

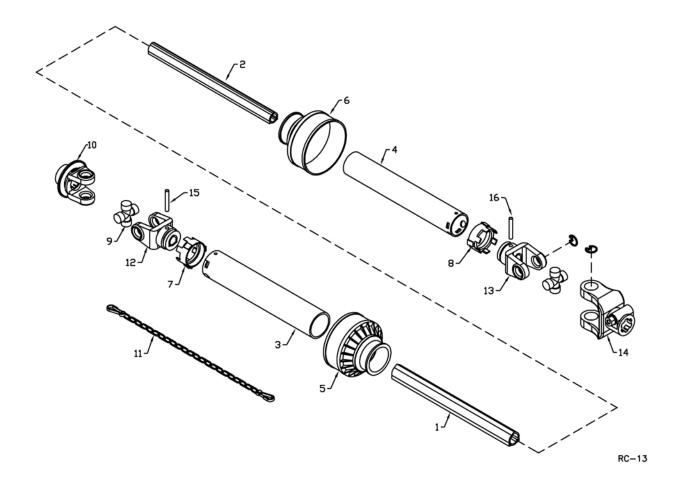
| ltem | Part Number | Description |
|-----------------|---------------------------|---|
| | | |
| 620 - (Slip Clu | utch) 3-Point Hitch Parts | s List |
| | F0440 | Shaft Complete |
| | 907295 | Tractor Half |
| | 907296 | Implement Half |
| 1 | 936354 | Outer Cardan Tube |
| 2 | 936356 | Inner Cardan Tube |
| 3 | 966230 | Outer Shield Tube |
| 4 | 966231 | Inner Shield Tube |
| 5 | 966232 | Outer Shield Cone |
| 6 | 936518 | Inner Shield Cone |
| 7 | 966234 | Outer Shield Collar |
| 8 | 966235 | Inner Shield Collar |
| 9 | 966236 | Repair Kit |
| 10 | 907294 | Quick Disconnect Yoke (6-Spline) 540rpm |
| 11 | 936402 | Safety Chain |
| 12 | 936352 | OuterTubeYoke |
| 13 | 936353 | InnerTubeYoke |
| 16 | 936517 | Torque Limiter FT42R/6 |
| 17 | 936519 | Screw |
| 18 | 936512 | Screw |
| 19 | 936520 | Clutch Plate |
| 20 | 966223 | Bushing |
| 21 | 936521 | Lining |
| 22 | 936523 | Hub |
| 23 | 910-075 | Pivot |
| 24 | 936522 | Thrust Plate |
| 25 | 936526 | Spacer |
| 26 | 936358 | Flexible Pin, Outer Yoke |
| 27 | 936359 | Flexible Pin, Inner Yoke |
| 28 | 908265 | Spring |

| ltem | Part Number | Description |
|-----------------|-------------------------|---|
| | | |
| 620 - (Slip Clu | tch)Trailing Parts List | |
| | F0441 | Shaft Complete |
| | 907297 | Tractor Half |
| | 907298 | Implement Half |
| 1 | 936355 | Outer Cardan Tube |
| 2 | 936357 | Inner Cardan Tube |
| 3 | 966256 | Outer Shield Tube |
| 4 | 966257 | Inner Shield Tube |
| 5 | 966232 | Outer Shield Cone |
| 6 | 936518 | Inner Shield Cone |
| 7 | 966234 | Outer Shield Collar |
| 8 | 966235 | Inner Shield Collar |
| 9 | 966236 | Repair Kit |
| 10 | 907294 | Quick Disconnect Yoke (6-Spline) 540rpm |
| 11 | 936402 | Safety Chain |
| 12 | 936352 | OuterTubeYoke |
| 13 | 936353 | Inner Tube Yoke |
| 16 | 936517 | Torque Limiter FT42R/6 |
| 17 | 936519 | Screw |
| 18 | 936512 | Screw |
| 19 | 936520 | Clutch Plate |
| 20 | 966223 | Bushing |
| 21 | 936521 | Lining |
| 22 | 936523 | Hub |
| 23 | 910-075 | Pivot |
| 24 | 936522 | Thrust Plate |
| 25 | 936526 | Spacer |
| 26 | 936358 | Flexible Pin, Outer Yoke |
| 27 | 936359 | Flexible Pin, InnerYoke |
| 28 | 908265 | Spring |

Farm King _____

| ltem | Part Number | Description |
|-----------------|--------------------------|----------------------------------|
| | | |
| 720 - (Slip Clu | tch) 3-Point Hitch Parts | List |
| | F0442 | Shaft Complete |
| | 907300 | Tractor Half |
| | 907301 | Implement Half |
| 1 | 936442 | Outer Cardan Tube |
| 2 | 936443 | Inner Cardan Tube |
| 3 | 936445 | Outer Shield Tube |
| 4 | 936446 | Inner Shield Tube |
| 5 | 966232 | Outer Shield Cone |
| 6 | 936518 | Inner Shield Cone |
| 7 | 910-046 | Outer Shield Collar |
| 8 | 910-055 | Inner Shield Collar |
| 9 | 910-036 | Repair Kit |
| 10 | 907299 | Quick Disconnect Yoke (6-Spline) |
| 11 | 936402 | Safety Chain |
| 12 | 910-039 | Outer Tube Yoke |
| 13 | 910-048 | InnerTubeYoke |
| 16 | 936528 | Torque Limiter FT42/6 |
| 17 | 936519 | Screw |
| 18 | 936512 | Screw |
| 19 | 936529 | Clutch Plate |
| 20 | 966223 | Bushing |
| 21 | 936521 | Lining |
| 22 | 936523 | Hub |
| 23 | 910-075 | Pivot |
| 24 | 936522 | Thrust Plate |
| 25 | 936526 | Spacer |
| 26 | 910-040 | Flexible Pin, Outer Yoke |
| 27 | 910-042 | Flexible Pin, InnerYoke |
| 28 | 936524 | Spring Set |

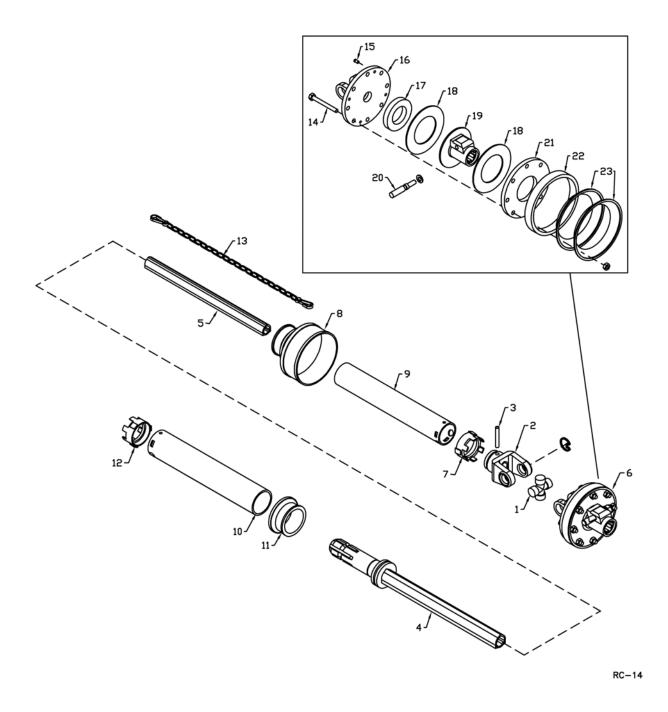
720 PTO Shaft Drawing



Farm King _____

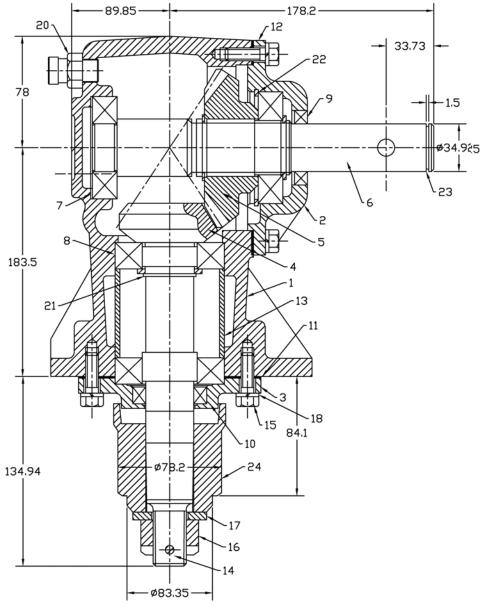
| ltem | Part Number | Description |
|------------------|-------------------------|---|
| | | |
| 720 - (Slip Clut | tch)Trailing Parts List | |
| | F0443 | Shaft Complete |
| | 907302 | Tractor Half |
| | 907303 | Implement Half |
| 1 | 936486 | Outer Cardan Tube |
| 2 | 936487 | Inner Cardan Tube |
| 3 | 936490 | Outer Shield Tube |
| 4 | 936491 | Inner ShieldTube |
| 5 | 966232 | Outer Shield Cone |
| 6 | 936492 | Inner Shield Cone |
| 7 | 910-046 | Outer Shield Bearing |
| 8 | 910-055 | Inner Shield Bearing |
| 9 | 910-036 | Repair Kit |
| 10 | 907299 | Quick Disconnect Yoke (6-Spline) 540rpm |
| 11 | 936402 | Safety Chain |
| 12 | 910-039 | OuterTubeYoke |
| 13 | 910-048 | InnerTubeYoke |
| 14 | 936489 | Clamp Yoke (6 Spline) |
| 15 | 910-040 | Flexible Pin, Outer Yoke |
| 16 | 910-042 | Flexible Pin, Inner Yoke |

720 Q-Shaft Drawing



| ltem | Part Number | Description |
|------|-------------|--------------------------|
| | F9458 | Shaft Complete |
| | 936501 | Tractor Half |
| | 936561 | Implement Half |
| 1 | 910-036 | Repair Kit |
| 2 | 910-039 | OuterTubeYoke |
| 3 | 910-040 | Flexible Pin, Outer Yoke |
| 4 | 936496 | Splined Shaft |
| 5 | 936497 | OuterTube |
| 6 | 936528 | Torque Limiter FT42/6 |
| 7 | 910-046 | Outer Shield Bearing |
| 8 | 966232 | Outer Shield Cone |
| 9 | 936498 | Outer Shield Tube |
| 10 | 936499 | Inner Shield Tube |
| 11 | 936500 | Inner Shield Collar |
| 12 | 910-055 | Inner Shield Bearing |
| 13 | 936402 | Safety Chain |
| 14 | 936519 | Clutch Screw |
| 15 | 936512 | Set Screw |
| 16 | 936529 | Clutch Plate |
| 17 | 966223 | Antifriction Sleeve |
| 18 | 936521 | Lining |
| 19 | 936523 | Hub |
| 20 | 910-075 | Retaining Bolt |
| 21 | 936522 | Thrust Plate |
| 22 | 936526 | Spacer |
| 23 | 936524 | Spring Set |

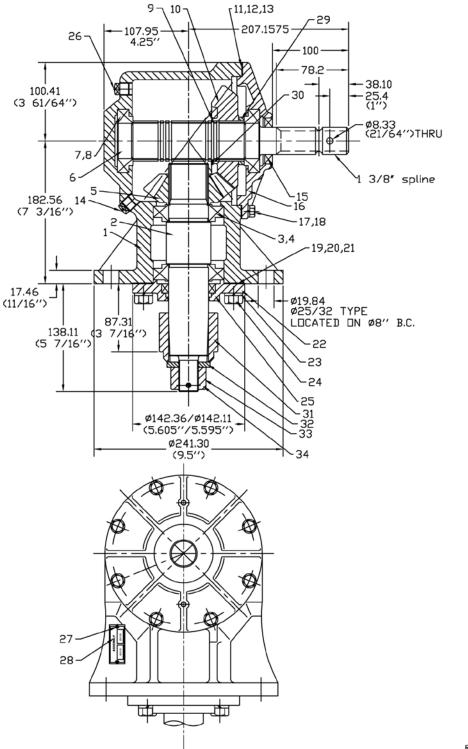
510 Gearbox Drawing



RC-15

| ltem | Part Number | Description |
|------|-------------|----------------------------|
| | 966108 | Gearbox Assembly |
| 1 | 914018 | Housing |
| 2 | 914006 | Cap - Input |
| 3 | 914015 | Cap - Output |
| 4 | 904022 | Gear - Output, w/Shaft 15T |
| 5 | 904021 | Gear - Input 22T |
| 6 | 966824 | Shaft - Input 1 3/8" |
| 7 | 966542 | Bearing - Ball 207K |
| 8 | 966555 | Bearing - Ball 208K |
| 9 | 914005 | Seal - Input 3LIP |
| 10 | 914013 | Seal - Output 3LIP |
| 11 | 914019 | Gasket - Output Cap |
| 12 | 914007 | Gasket - Input Cap |
| 13 | 914001 | Spacer |
| 14 | 966562 | Cotter Pin 5 x 50 |
| 15 | 86171 | 3/8" x 1-1/4" Hex Bolt |
| 16 | 967217 | 1" Slotted Hex Nut |
| 17 | 904028 | Washer - Blade Hub 1" |
| 18 | 81593 | 3/8" Lockwasher |
| 19 | 914016 | 1/8" Sq Head Pipe Plug |
| 20 | 905429 | 1/2" Vent Plug |
| 21 | 914008 | Retaining Ring Eaton 916R |
| 22 | 914003 | Retaining Ring |
| 23 | 966545 | Snap Ring |
| 24 | 904023 | Blade Hub |

620 Gearbox Drawing

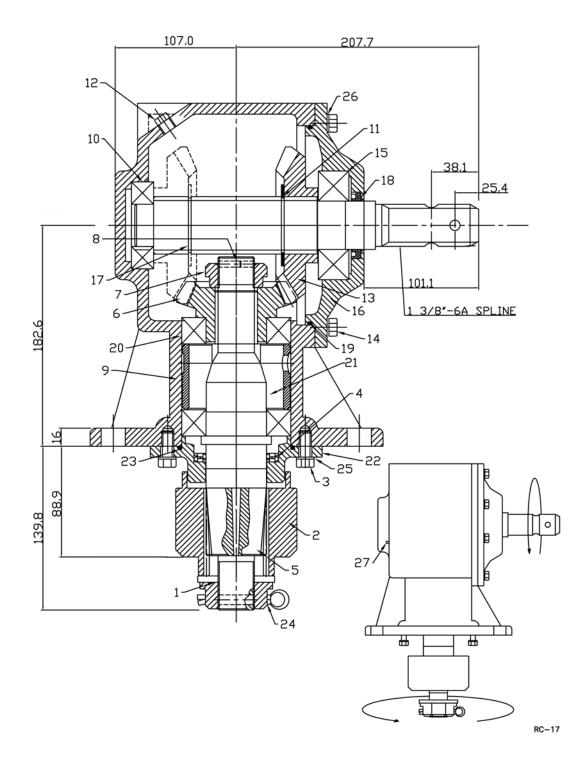


RC-16

| ltem | Part Number | Description |
|------|-------------|--------------------------|
| | 966109 | Gearbox Assembly |
| 1 | 966825 | Housing |
| 2 | 966830 | Output Shaft |
| 3 | 966832 | Bearing Cone 368 |
| 4 | 966835 | Bearing Cup 362 |
| 5 | 966828 | Output Gear 13T |
| 6 | 966831 | Input Shaft |
| 7 | 966833 | Bearing Cone LM603049 |
| 8 | 966834 | Bearing Cup LM603014 |
| 9 | 966846 | Retaining Ring |
| 10 | 966829 | Input Gear 19T |
| 11 | 966838 | Input Cap Gasket 0.30mm |
| 12 | 966839 | Input Cap Gasket 0.15mm |
| 13 | 966840 | Input Cap Gasket 0.10mm |
| 14 | 906427 | 1/4" Pipe Plug |
| 15 | 966837 | Input Seal |
| 16 | 966827 | Input Cap |
| 17 | 811927 | M10 X 30 Hex Bolt |
| 18 | 81593 | 3/8" Lockwasher |
| 19 | 966841 | Output Cap Gasket 0.30mm |
| 20 | 966842 | Output Cap Gasket 0.15mm |
| 21 | 966843 | Output Cap Gasket 0.10mm |
| 22 | 966826 | Output Cap |
| 23 | 81657 | 9/16" Lockwasher |
| 24 | 812136 | 14mm x 35mm Hex Bolt |
| 25 | 966836 | Output Seal |
| 26 | 906428 | Vent Plug .25" |
| 27 | 906429 | Rivet |
| 28 | 906430 | I.D. Tag |
| 29 | 966844 | Spacer |
| 30 | 906431 | Spacer |
| 31 | 966866 | Blade Hub |
| 32 | 904028 | 1" Blade Hub Washer |
| 33 | 967217 | 1" Slotted Hex Nut |
| 34 | 966562 | Cotter Pin 5mm x 50mm |

Farm King

720 Gearbox Drawing



42

| ltem | Part Number | Description |
|------|-------------|---------------------------------|
| | 966194 | Gearbox Assembly |
| 1 | 907157 | Slotted Hex Nut M30 x 2 |
| 2 | 966866 | Blade Hub |
| 3 | 966867 | Bolt M10 x 22 |
| 4 | 966868 | Seal 50 x 70 x 8 |
| 5 | 966869 | Output Shaft |
| 6 | 966870 | Bevel Gear - 14Tooth |
| 7 | 966874 | Circlip |
| 8 | 966872 | Split Pin 4 x 55 |
| 9 | 966873 | Housing |
| 10 | 967308 | Taper Bearing Cone & Cup 30207 |
| 11 | 966871 | Circlip |
| 12 | 966875 | Vent Plug 3/8" |
| 13 | 966876 | Bevel Gear - 17 Tooth |
| 14 | 966877 | Bolt M8 x 25 |
| 15 | 966878 | Taper Bearing Cone & Cup 30308 |
| 16 | 966879 | End Cap |
| 17 | 966880 | Input Shaft |
| 18 | 966881 | Double Lip Seal 40 x 70 x 8 |
| 19 | 966882 | O-Ring 3.1 x 155 |
| 20 | 966122 | Taper Bearing Cone & Cup 30210A |
| 21 | 966883 | Sleeve |
| 22 | 966884 | Output Cap |
| 23 | 966885 | O-Ring 5 x 90 |
| 24 | 966886 | Split Pin 5 x 55 |
| 25 | 966887 | M10 Lockwasher |
| 26 | 81569 | M8 Lockwasher (sub 5/16") |
| 27 | 966888 | Level Plug |

3 x 8 Cylinder Drawing



| ltem | Part Number | Description |
|------|-------------|-------------------|
| | 24791M | Cylinder Complete |
| - | X3914 | Seal Kit |

Shipping Kit and Bundle Numbers

The following is a list of Kit Numbers for this product and the Bundle Numbers, Descriptions, and Quantities for each Kit.

| Quantity | Bundle Number | Description |
|--------------------|--------------------------|----------------------------|
| | | |
| Y510S - 510 Rotary | y Cutter - 3-Point Hitch | |
| 1 | F0185 | Deck Assembly w/ Shear Pin |
| 1 | F9427 | Wheel & Yoke |
| 1 | F0334 | Hitch & Adjustment Arms |
| 1 | F0188 | Tail Wheel Arm & Lift Arms |
| 1 | F0438 | Shear Pin PTO |
| 1 | F0179 | Carton |

| Y510T - 510 Rotary Cutter - Trailing | | |
|--------------------------------------|-------|----------------------------|
| 1 | F0185 | Deck Assembly w/ Shear Pin |
| 2 | F9416 | Wheel & Yoke |
| 1 | F0177 | Hitch & Adjustment Arms |
| 1 | F9431 | Tail Wheel Arm & Lift Arms |
| 1 | F0439 | Shear Pin PTO |
| 1 | F0180 | Carton |

| Y620S - 620 Rotary Cutter - 3-Point Hitch | | |
|---|-------|------------------------------|
| 1 | F0186 | Deck Assembly w/ Slip Clutch |
| 1 | F9428 | Wheel & Yoke |
| 1 | F0177 | Hitch & Adjustment Arms |
| 1 | F9431 | Tail Wheel Arm & Lift Arms |
| 1 | F0439 | Slip Clutch PTO |
| 1 | F0180 | Carton |

| Y620T - 620 Rotary Cutter - Trailing | | |
|--------------------------------------|-------|------------------------------|
| 1 | F0186 | Deck Assembly w/ Slip Clutch |
| 2 | F9428 | Wheel & Yoke |
| 1 | F0178 | Tongue Assembly |
| 1 | F0138 | SwivelTube & Rod |
| 1 | F0441 | Slip Clutch PTO |
| 1 | F0182 | Carton |

Farm King

| Quantity | Bundle Number | Description |
|----------------|-----------------------------|------------------------------|
| | | |
| Y720S - 720 Ro | otary Cutter - 3-Point Hite | ch |
| 1 | F0187 | Deck Assembly w/ Slip Clutch |
| 1 | F0037 | Wheel & Yoke |
| 1 | F0336 | Hitch & Adjustment Arms |
| 1 | F0190 | Tail wheel Arm & Lift Arms |
| 1 | F0442 | Slip Clutch PTO |
| 1 | F0183 | Carton |
| | · | |
| Y720 - 720 Rot | ary Cutter - Trailing | |
| 2 | F7110 | 15" x 4-1/2" x 4 Bolt Wheel |
| 1 | F0178 | Tongue Assembly |
| 2 | F9434 | Yoke & 4 Bolt Hub |
| 1 | F0187 | Deck Assembly w/ Slip Clutch |
| 1 | F9453 | Swivel Tube & Rod |
| 1 | F0184 | Carton of Parts |

PTO Shaft w/o Slip Clutch

PTO Q-Shaft w/ Slip Clutch

1

1

F0443

F9458

Optional Bundle Numbers

The following is a list of options available for the Kits listed above.

| Quantity | Bundle Number | Description |
|----------|---------------|--|
| | | |
| 1 | F9415 | Jack c/w Mounting Plate |
| 1 | F630 | Hydraulic Cylinder & Hose Kit |
| 1 | Y514 | 510 3-Point Hitch Kit |
| 1 | Y625 | 620 3-Point Hitch Kit |
| 1 | Y725 | 720 3-Point Hitch Kit |
| 1 | Y515 | 510 Trailing Kit |
| 1 | Y626 | 620 Trailing Kit |
| 1 | Y727 | 720 Trailing Kit |
| 1 | Y517 | 510 Trailing Kit c/w 15" Rims (less tires) |
| 1 | Y627 | 620 Trailing Kit c/w 15" Rims (less tires) |
| 1 | Y207 | ImplementTires 6.70 x 15" (set of 2) |

| Y524 - Optional Chain Kit for 510 Cutters | | |
|---|-------|---------------|
| 1 | F9435 | Plates & Rods |
| 1 | F9436 | Carton |

| Y624 - Optional Chain Kit for 620 Cutters | | | |
|---|-------|---------------|--|
| 1 | F9437 | Plates & Rods | |
| 1 | F9438 | Carton | |

| Y724 - Optional Chain Kit for 720 Cutters | | | |
|---|-------|---------------|--|
| 1 | F9499 | Plates & Rods | |
| 1 | F9498 | Carton | |

| Optional Lower Cutting Blades | | | |
|-------------------------------|-------|--|--|
| 1 | F9439 | Blades for 5' Rotary Cutter (set of 2-24") | |
| 1 | F9440 | Blades for 6' Rotary Cutter (set of 2-30") | |

Farm King Limited Warranty

This document limits your warranty rights.

Base Limited Warranty

Buhler Industries Inc. provides this warranty only to original retail purchasers of its product. Buhler Industries Inc. warrants to such purchasers that all Buhler Industries Inc. 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 12 months (80 days for commercial applications). This limited warranty applies only to those parts and components manufactured by Buhler Industries Inc. Parts and components manufactured by others are subject to their manufacturer's warranties, if any.

Buhler Industries Inc. 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 Buhler Industries Inc. within thirty (30) days of the date that such defect or improper workmanship is, or should have been, discovered. Buhler Industries Inc. reserves the right to either inspect the product at the buyer's location or have it returned to the factory for inspection. Parts must be returned through the selling representative and the buyer must prepay transportation charges.

Buhler Industries Inc. 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 Buhler Industries Inc. 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. Also: Buckets and Bucket Tines carry no warranty, Bent Spears carry no warranty, Snowblower Fan Shafts carry no warranty, Mower Blades carry no warranty, Portable Auger Parts Have Two (2) Year Warranty, Loader Parts Have Two (2) Year Warranty. The purchaser is solely responsible for determining suitability of goods sold. This warranty is expressly in lieu of all other warranties expressed or implied. Buhler Industries Inc. will in no event be liable for any incidental or consequential damages whatsoever. Nor for any sum in excess of the price received for the goods for which liability is claimed.

Repair Parts Limited Warranty

Buhler Industries Inc. warrants Farm King replacement parts purchased after the expiration of the Buhler Industries Inc. 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. Buhler Industries Inc. 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 Buhler Industries Inc. 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 Buhler Industries Inc. 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 Buhler Industries Inc.; 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 Buhler Industries Inc.

Farm King

Authorized Dealer and Labor Costs

Repairs eligible for labor under this limited warranty must be made by Buhler Industries Inc. or an authorized Farm King dealer. Buhler Industries Inc. 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 Buhler Industries Inc. 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. Buhler Industries Inc. will not approve or pay invoices sent for repairs that Buhler Industries Inc. has not previously approved. Warranty service does not extend the original term of this limited warranty.

Warranty Requirements

To be covered by warranty, each Farm King new product must be registered with Buhler Industries Inc. 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, Buhler Industries Inc. 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.

Warranty Claims:

Warranty requests must be prepared on Buhler Industries Inc. Warranty Claim Forms with all requested information properly completed. Warranty Claims must be submitted within a thirty (30) day period from date of failure repair.

Warranty Labor:

Any labor subject to warranty must be authorized by Buhler Industries Inc. The labor rate for replacing defective parts, where applicable, will be credited at 100% of the dealer's posted shop rate.

Exclusive Effect of Warranty and Limitation of Liability

TO THE EXTENT PERMITTED BY LAW, BUHLER INDUSTRIES INC. 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, BUHLER INDUSTRIES INC. 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 BUHLER INDUSTRIES INC.'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 PRODUCTS MANUFACTURED BY BUHLER INDUSTRIES INC. ARE THOSE SET FORTH HEREIN. IN NO EVENT SHALL BUHLER INDUSTRIES INC. 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 provinces or 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 province to province or state to state.

Buhler Industries Inc. neither assumes nor authorizes any person or entity, including its selling representatives, to assume any other obligations or liability in connections 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 Buhler Industries Inc. to the purchaser, and Buhler Industries Inc. 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 Buhler Industries Inc.'s ability to obtain materials or manufacture 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.

Government Legislation:

Warranty terms and conditions are subject to provincial or state legislation.

Important Note: This warranty does not apply to rentals.

www.farm-king.com



1330 43rd Street NW Fargo, ND USA 58102 Ph.: 701.282.7014 | Fax: 701.282.5865 Toll Free: 888.524.1004 E-mail: info@buhler.com www.farm-king.com

Equipment shown is subject to change without notice. ©2010 BuhlerTrading Inc. Printed in USA.TSX:BUI

