

# Farm King

## OPERATOR AND PARTS MANUAL

### Conventional Auger

Model 1034





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**Manufacturer’s statement:** for technical reasons Buhler Trading 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 grain type, grain moisture, auger elevation and other factors.

## Introduction

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### **To the owner**

Thank you for purchasing a Farm King 1034 Conventional Auger.

Farm King Conventional Augers have been designed to provide many years of profitable and dependable service. To assure maximum performance of your auger, it is mandatory that you thoroughly study the operator's manual and follow its recommendations. **PLEASE EXAMINE YOUR UNIT CLOSELY AND READ THE ASSEMBLY INSTRUCTIONS TO SEE THAT YOUR UNIT IS PROPERLY ASSEMBLED.** Proper operation and maintenance are essential for safety, to maintain performance, and to maximize the life of the auger. When ordering parts or inquiring about the auger, you must include the serial number which is located on the second upright of the lower truss support.

### **It is the owner's responsibility to:**

Operate and maintain this auger in a safe manner and in accordance with all applicable local, state, and federal codes and/or laws.

Make sure each and every operator has read the operator's manual and thoroughly understands safe and correct operating procedures.

Make sure unauthorized people do not operate or are not in the vicinity of the auger while it is in operation.

Maintain the auger in accordance with the maintenance schedule in this manual. Furthermore, as additional technology becomes available, the owner is responsible for improving the safety and reliability of the system.

Fulfill all warranty obligations so as not to void the warranties. Verify the unit is warranty registered prior to making any warranty claims. The warranty section at the back of this manual outlines the warranty policy of Farm King.

Abuse or modifications to the auger that change the performance other than original factory specifications void the warranty.

Farm King reserves the right to make product improvements to the equipment at any time. It shall not be obligated to make such changes to machines already in service.

\*The owner, manager and/or operator is responsible for safe, accurate operation and maintenance of the Farm King 1034 Conventional Auger.

## Safety

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### Safety Instructions

An Operator's Manual is furnished with each grain auger. Additional or replacement manuals are available. Do not operate the unit before reading and understanding the Operator's Manual. Understand the operating procedures below to avoid personal injury or death.

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!**

### General Safety

An auger can collapse and fall on the operator or bystander causing serious injury or death. Always support the discharge end when the following conditions occur:

- While unit is in operation.
- When dismantling the undercarriage.

The accidental tipping or upending of an auger may cause serious injury or death to the operator or bystanders. When the grain flow is shut off to the auger an overbalance situation can occur, suddenly raising the intake auger. Adequate anchorage of the intake end or support from bin is required at all times, especially in the following conditions:

- While unit is in operation.
- When moving the auger.
- When raising or lowering the auger.
- Maximum elevation is determined by interference between track car and auger structure. The operator must stop raising the auger before track car reaches the end of the track. Continued lift will cause failure of the winch, lift cable or auger supports, causing auger to collapse, which can result in serious injury or death.

Contact with rotating flighting will cause serious injury or death.

- Do not stand on the intake cage.
- Keep hands, feet and clothing away from the intake and discharge flighting.

### Operation Safety

Intentional or accidental contact with moving parts may result in a serious injury or death. Observe the following operating procedures.

- Keep all safety devices in place.
- Do not adjust, service, lubricate, clean, unclog or move the mechanism until all power is shut off.
- Keep hands, feet and clothing away from moving parts while in operation.
- Keep off the equipment at all times.
- Make certain that everyone is clear of the equipment at all times.
- Make certain that everyone is clear of the equipment before applying power.
- Keep children, visitors and all untrained personnel away from machine while in operation.

## Transport Safety

Care must be used when moving or transporting the auger. Accidental tipping or upending of an auger can occur and may cause serious injury or death to the operator or bystanders.

- Never move the auger manually.
- Be sure auger is empty before attempting to move.
- Never push on the undercarriage of the auger.
- Tow the auger at slow speed and in the down position.
- Always test the intake end of the auger for downward weight when attaching or releasing.
- Never raise the hitchpoint higher than the vehicle's tow bar.

## Electrical Safety

Contact with overhead wires may cause electrocution of the operator or bystanders. Contact with overhead obstructions may cause collapse or tipping of the auger or may cause the overhead obstruction to fall. In both cases the operator or bystander can be seriously injured or killed.

Observe the following:

- Tow the auger at slow speed and in the down position.
- Raise or lower the auger slowly.

Electrical malfunction can cause electrocution of the operator or bystanders.

Observe the following rules.

- Disconnect power and electrical driven units before resetting motor overloads.
- Do not operate electric motor equipped units until unit is properly grounded.

## Safe Operating Instructions

There are several decals on the grain auger and its attachments with safety instructions.

Read and understand these safety alerts before operating.

The shielding has been removed in some of the illustrations for parts demonstration only.

Install all shields before operating the unit.



### DANGER

Electrocution hazard. This machine is not insulated. Keep away from overhead electric wires and devices. Electrocution can occur without direct contact. Failure to keep away will result in serious injury or death.



### DANGER

Maximum elevation is determined by interference between track car and auger structure. The operator must stop raising the auger before track car reaches the end of track. Continued lift will cause failure to the winch, lift cable or auger supports, causing auger to collapse, resulting in serious injury or death.

**CAUTION**

Always transport your auger in the full down position. The lift arm of the undercarriage should be seated against the down position stop with slight tension on the winch cable and at least five complete wraps of cable around winch drum.

**DANGER**

Upending hazard. 1 - Never mover the auger manually - use a vehicle. 2 - Always have downward weight on the intake end of the auger. 3 - Always test the downward weight before releasing the auger from the vehicle or hold down. 4 - Always lift the intake slowly and keep it no higher than the tractor tow bar when attaching and releasing it. 5 - Never push on the undercarriage. 6 - Never move the auger, with grain, in the auger tube. 7 - Always lower the auger to transport postion before moving. Failure to follow these guidelines may cause upending, which may result in serious injury or death.

**CAUTION**

Move auger slowly into working position with towing vehicle - not by hand. Make certain everyone is clear of the work area.

**WARNING**

Once in place, the auger should be anchored at the intake end and/or supported at the discharge end. The wheels should be chocked on both sides of auger and power souce.

**WARNING**

Do not attempt to increase auger height by positioning wheels on lumber, blocks, or by other means.

**CAUTION**

Do not alter or mount additional weight to the portable grain auger in any way that will cause an imbalance or overload in the unit. An overload or imbalance situation may result in a mechanical or stuctural failure of lifting mechanism.

**WARNING**

Keep all shields in place during operation.

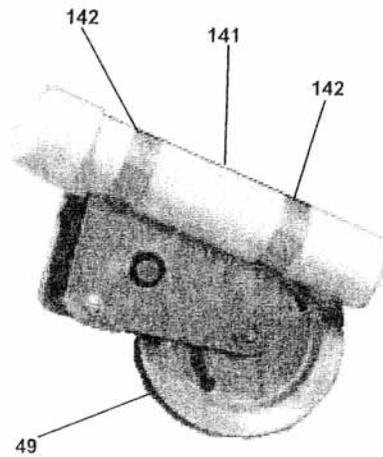
# Assembly Instructions

Shear bolt failure indicates an overload on the auger.  
To remedy the problem:

1. Reduce flow into the intake of the auger. Wet grain requires more power to operate the auger. The flow must be reduced in wet grain to prevent plugging and/or shear bolt failure.
2. Make certain the auger is running at the correct speed. Run the tractor PTO at 540 RPM for the correct flighting speed. Slowing the auger will allow it to overload and plug.
3. Check for foreign objects (sacks, cans, rags, etc.) in the tube. Objects may go part way up the tube and wedge between the flights, blocking the grain flow.

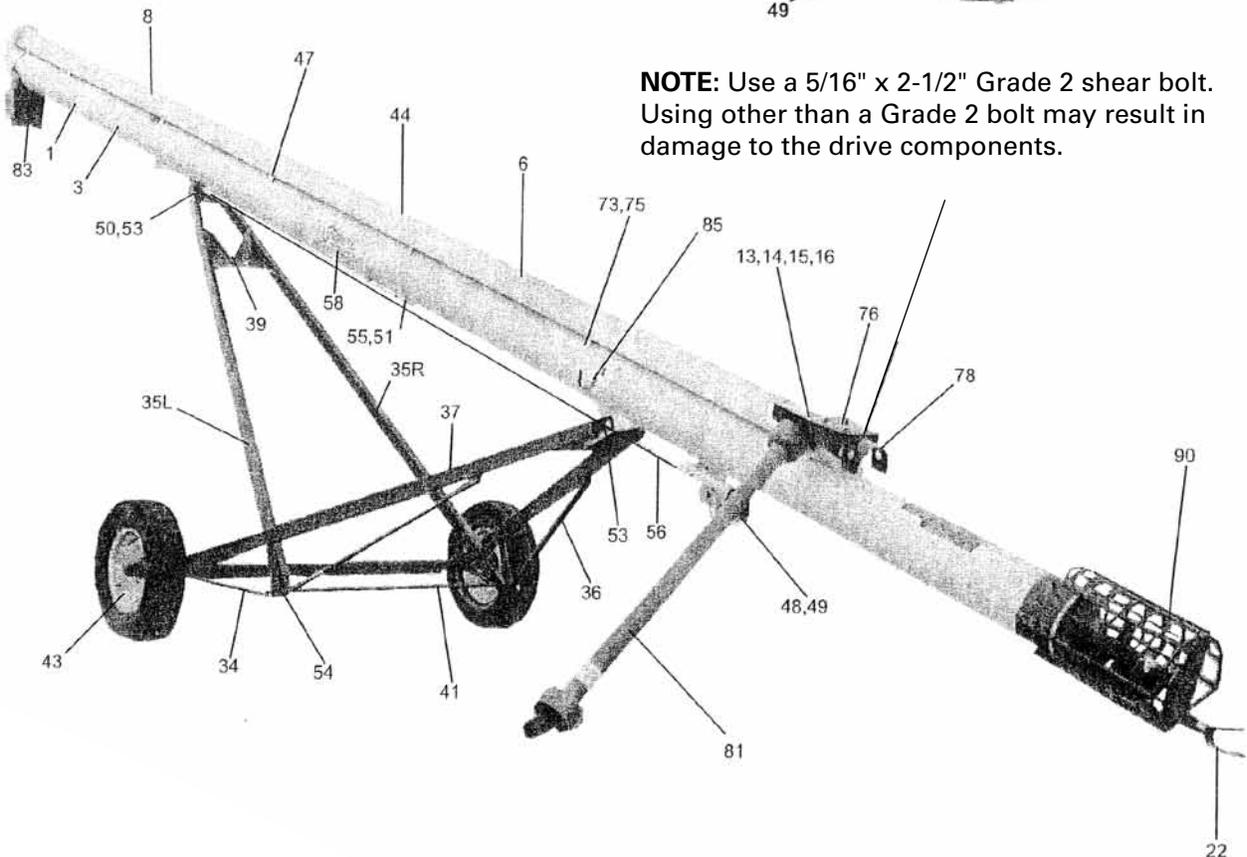


Keep all shields in place during operation.

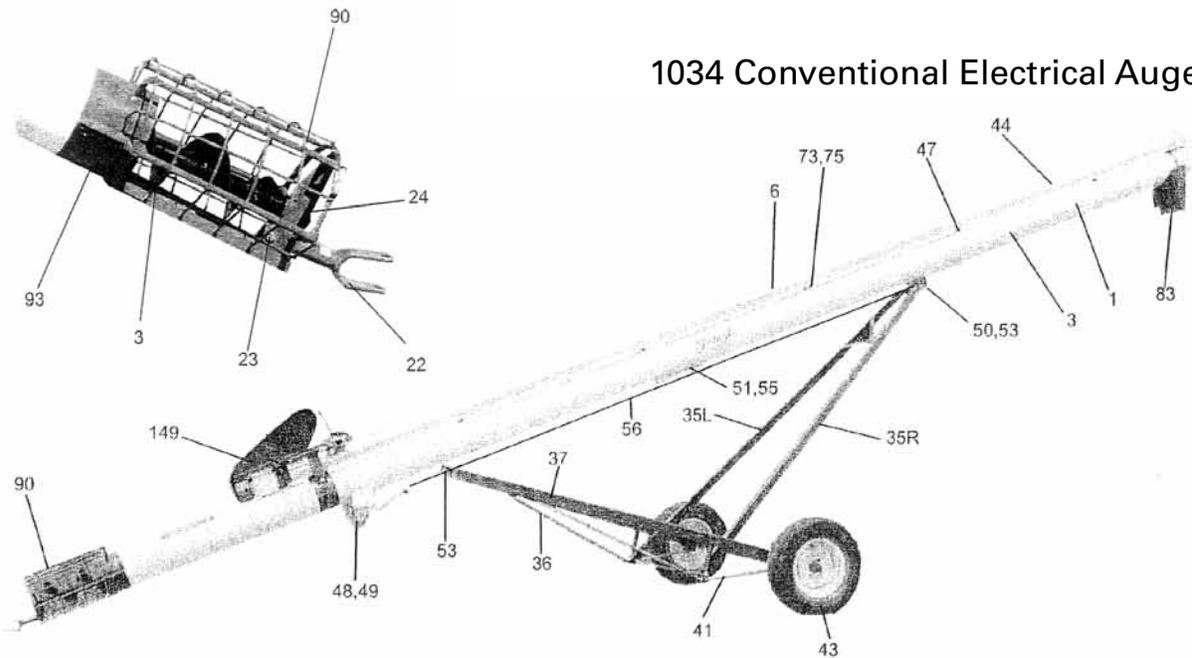


## 1034 Conventional PTO Auger

**NOTE:** Use a 5/16" x 2-1/2" Grade 2 shear bolt. Using other than a Grade 2 bolt may result in damage to the drive components.

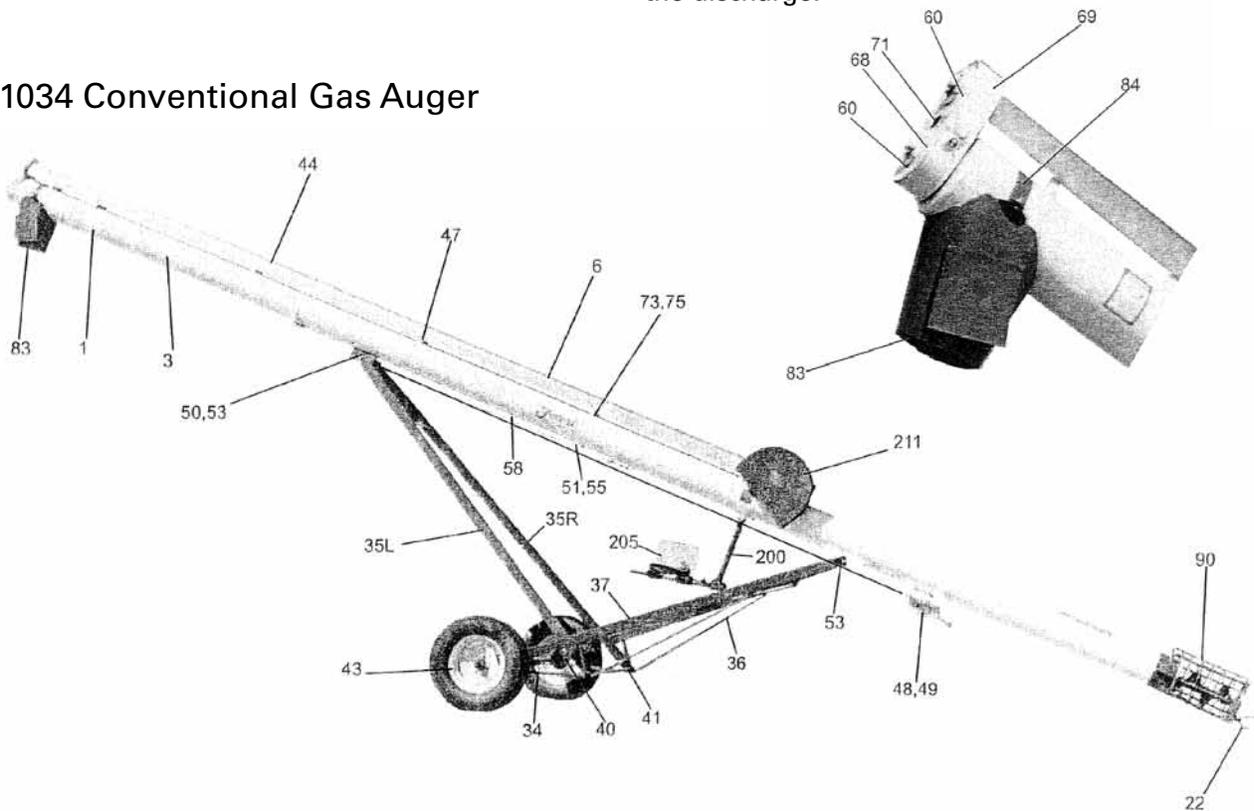


**1034 Conventional Electrical Auger**



**NOTE:** When mounting the relief drop spout, the relief door should be on the left side, when standing at the intake end and looking toward the discharge.

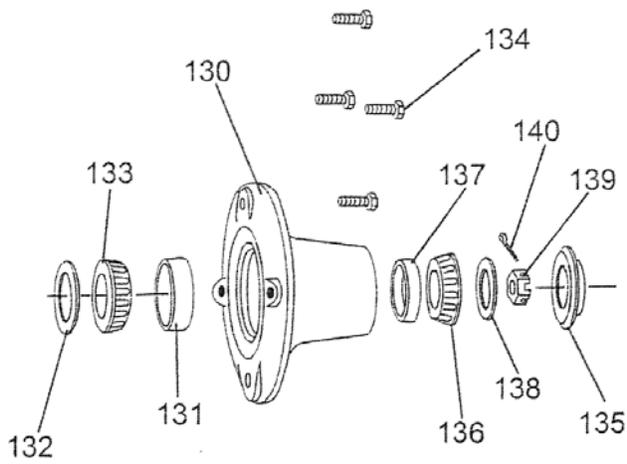
**1034 Conventional Gas Auger**



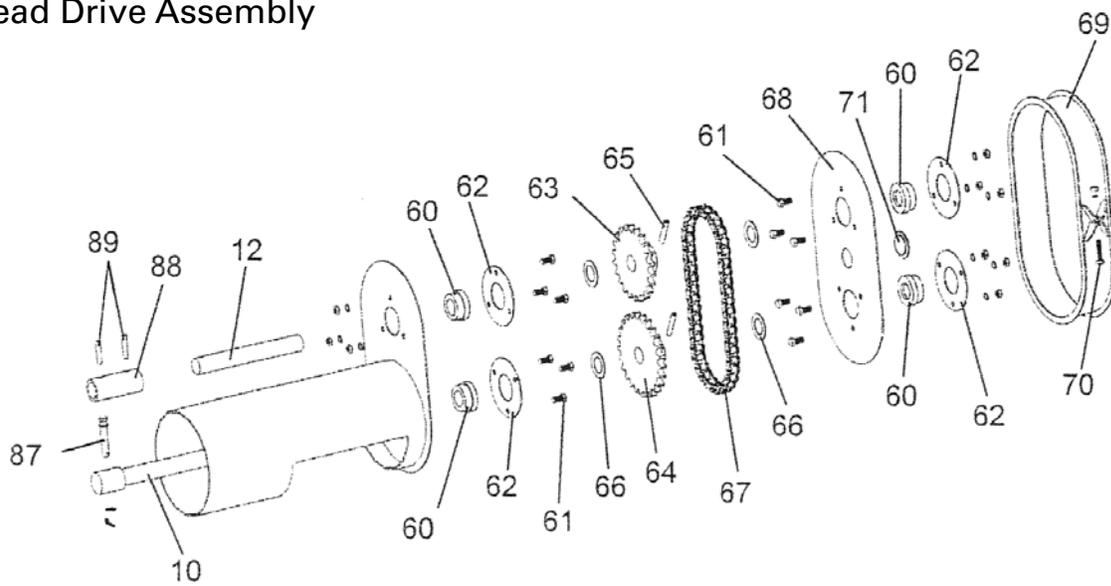


Keep all shields in place during operation.

## 4 Bolt Hub Assembly

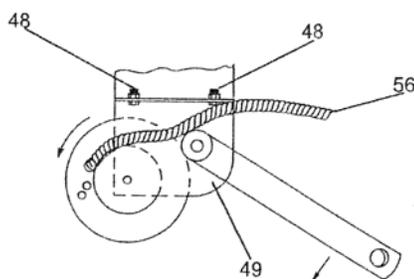


## Head Drive Assembly



One must use extreme caution when assembling this auger. Lifting devices (i.e. loader tractor, forklift, etc.) are required as well as various wrenches and tools. Assemble the auger on a flat surface. Right, left, front and back refer to looking at the auger from the intake end.

1. Clamp the intake cage (Ref. #90) to the lower tube. Be sure to have 1/2" clearance between the flight core and the bearing. Thrust load must be carried at the top of the auger.
2. Install track car (Ref. #50) onto the track (with the end containing the cable anchor towards the intake end of the auger) and install the 3/8" x 3/4" bolt (Ref. #58) in the end of the track.
3. Attach the brake winch (Ref. #49) to the mount on the underside of the lower tube using the 3/8" x 1" bolt, nut and lockwasher combinations (Ref. #48).
4. Add (Ref. #90) gear lube to gear box until 1/2 full. **The gearbox is shipped dry from the factory.**
5. Assemble the undercarriage.
  - Attach the front support arms (Ref. #36 & #37) to the front undercarriage mount by sliding arms over the rod and inserting two 3/16" x 1-1/2" cotter pins (Ref. #53). Secure the arms by inserting a 3/8" x 1" bolt, nut and lockwasher combination (Ref. #39) into the cross bracing arms.
  - Attach the rear support arms (Ref. #35R & #35L) to the track car by using two 3/16" x 1-1/2" cotter pins (Ref. #53). Secure the arms by inserting a 3/8" x 1" bolt, nut and lockwasher combination (Ref. #39) into the cross bracing.
  - Connect the rear arms to the front arms by lifting the auger tube, moving the rear arms until sleeves on all the arms line up. Slide the pivot rod (Ref. #41) through the arms and insert a 1" x 14 ga bushing and a 1/4" x 2" cotter pin (Ref. #54) on each end of the rod.
  - Connect the axle (Ref. #34) to the front arms, using two 3/8" x 3-3/16" U-bolts (Ref. #40) for each of the front arms. Mount the wheels (Ref. #43).
6. Fasten the lift cable (Ref. #56) to the anchor on the track car with two cable clamps (Ref. #57), and fasten to the winch. **NOTE:** The winch must be aligned with cable so that cable does not stack on one side of the drum. (See DANGER statement.)



**NOTE:** The cable has to be threaded between the mounting plate and the cross shaft as shown.



## DANGER

Winch must be aligned with cable so that the cable does not stack on one side of the drum. Do not allow the cable to become slack on winch drum. The cable may recoil and slip over the side of the drum. In either case, the cable will wind on drum spindle and cause the winch or cable to fail, allowing auger to drop, which may cause physical damage to the auger or may cause personal injury.

7. Mount the Owner's Manual container (Ref. #141) to the winch mount using the mounting straps (Ref. #142) and the 1/4" x 3/4" bolt, nut and lockwasher combination. This is provided for the storage of the Owner's Manual and assembly instructions.
8. See separate assembly instructions for the different drive packages.

There are several decals on the grain auger and its attachments with safety instructions. Read and understand these safety alerts before operating.



## ALERT

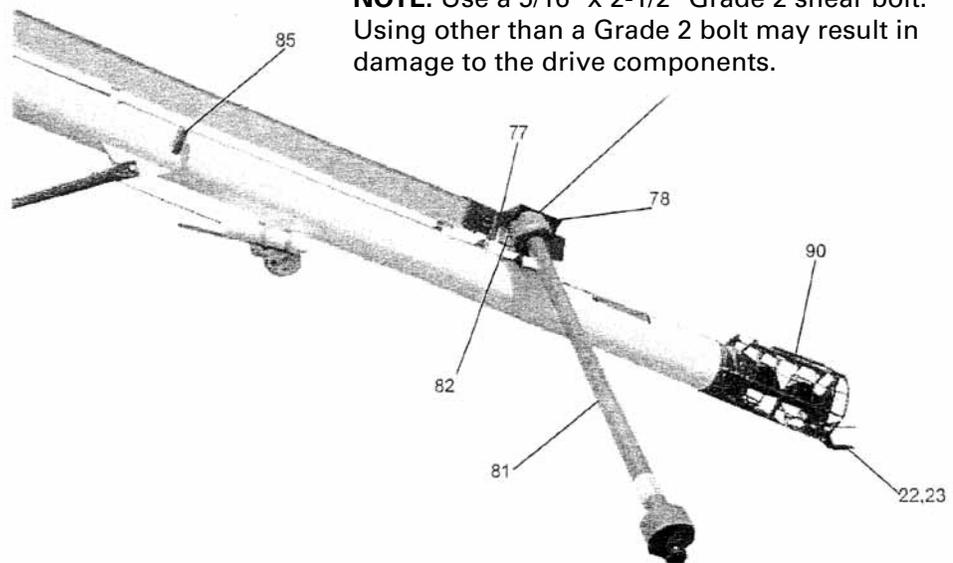
Do not operate the auger empty during the break-in period. For the best results, do not full feed the intake for the first 500 bushels. After break-in, never run auger at slow idle when full feeding the auger.

## Assembly Instructions - PTO Drive

1. Attach the Implement Input Driveline (IID) (Ref. #81) to the gear box with a 5/16" x 2" spiral pin (Ref. #82).
2. Mount the gear box shield (Ref. #78) using 1/2" x 3/4" bolt and lockwasher (Ref. #77).
3. Mount the IDD hanger (Ref. #85) onto the bracket provided on the tube using the 3/8" x 1" bolt, nut and lockwasher combination.

### **Gearbox is shipped dry from the factory.**

Add No. 90 gear lube until 1/2 full.



**NOTE:** Use a 5/16" x 2-1/2" Grade 2 shear bolt. Using other than a Grade 2 bolt may result in damage to the drive components.

## Assembly Instructions - Electric Drive

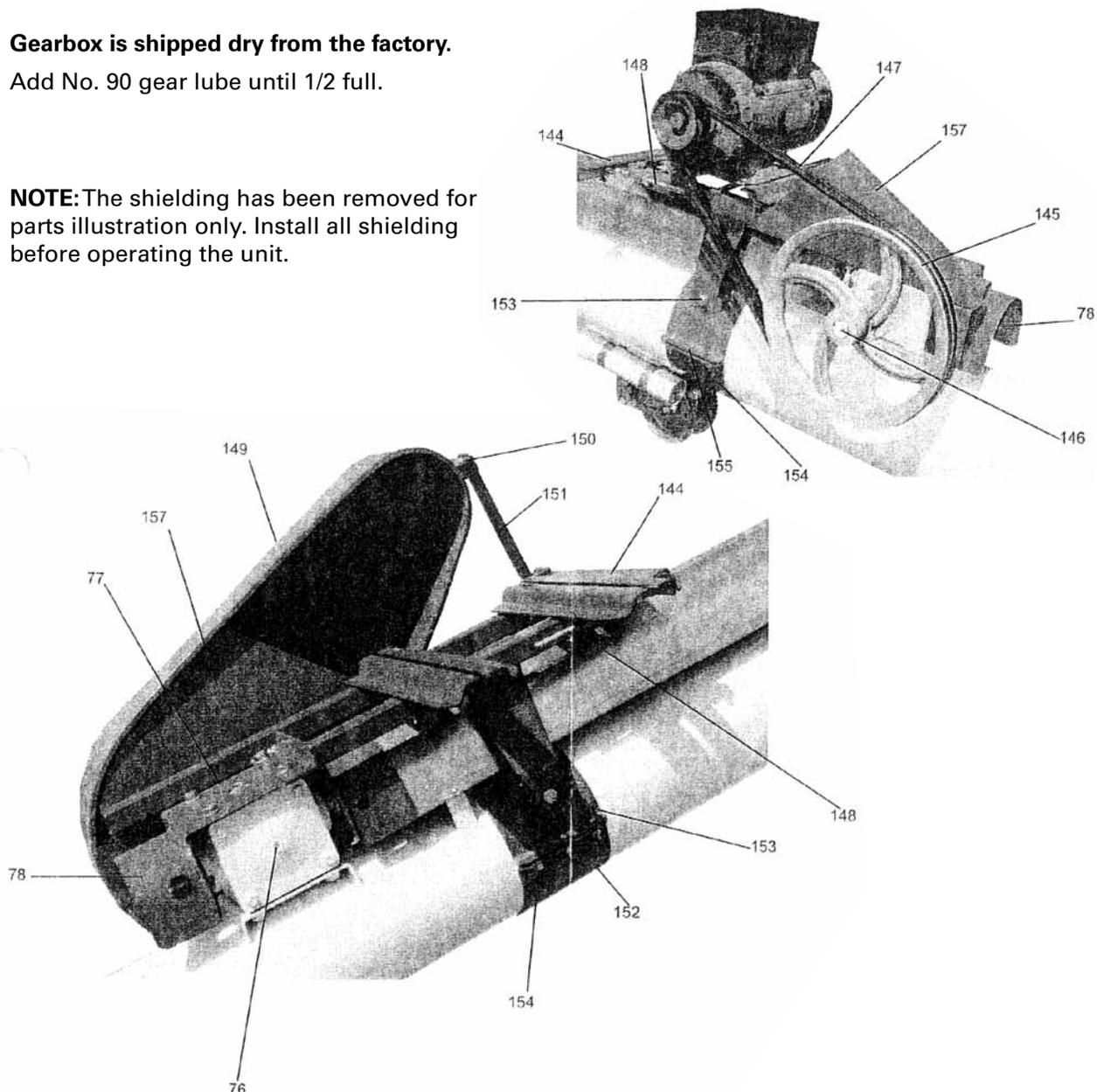
1. Assemble the electric mount top support clamp (Ref. #152) and the lower clamp (Ref. #154) on the tube using 3/8" x 1-1/4" bolt, nut and lockwasher combination (Ref. #155).
2. Attach the gear box shield (Ref. #78), the inner pulley shield (Ref. #157) and the electric motor mount assembly (Ref. #144) onto the gear box using four 1/2" x 3/4" bolt and lockwasher combinations (Ref. #77). Mount the electric motor mount assembly to the top support clamp using 1/2" x 1" bolt, nut and lockwasher combinations (Ref. #153).
3. Mount the 14" pulley (Ref. #145) onto the gear box using the 1/4" x 1/4" x 1-3/4" key (Ref. #146).
4. Mount the belts (Ref. #147). Mount the belt shield (Ref. #149) using the shield support bar (Ref. #151) and the 3/8" x 3/4" bolt, nut and lockwasher combinations (Ref. #150)

**NOTE:** This option requires a 4-1/2" O.D. 2-groove pulley for 1750 RPM motor (not furnished).

**Gearbox is shipped dry from the factory.**

Add No. 90 gear lube until 1/2 full.

**NOTE:** The shielding has been removed for parts illustration only. Install all shielding before operating the unit.



## Assembly Instructions - Gas Engine Drive

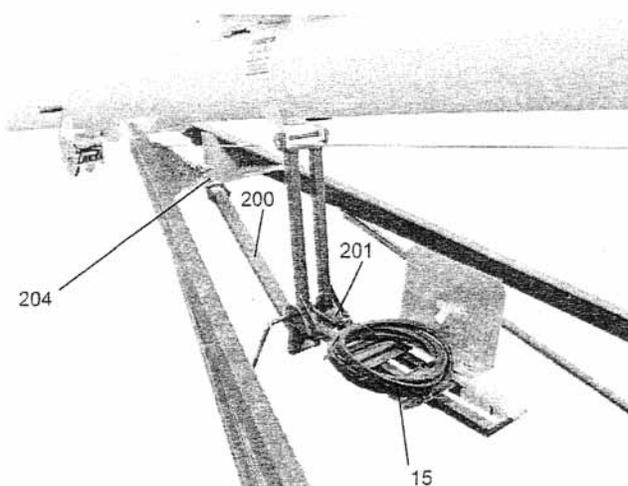
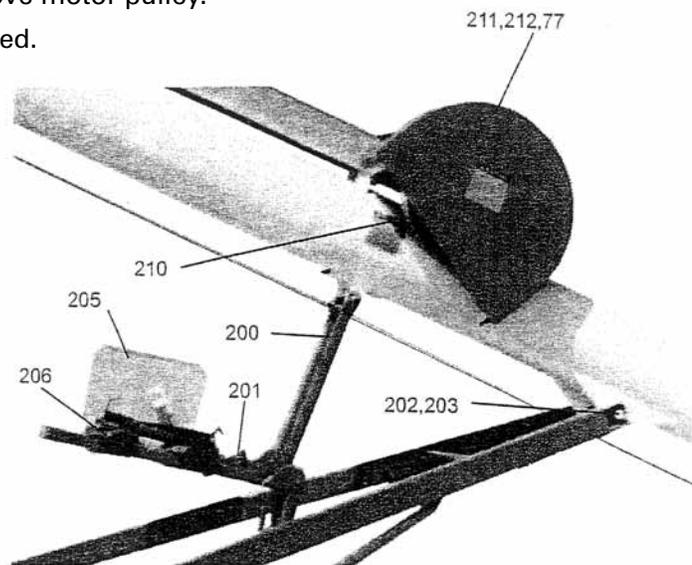
1. Assemble the C-style gas mount (Ref. #200) to the mount on the tube using the 5/8" rod upper pivot pin (Ref. #202) and two 5/32" x 1-1/4" cotter pin with 5/8" machine bushings (Ref. #203). Swing the mount stabilizer arm to the cross bracing on the front undercarriage arms and secure in place with two 3/8" x 2-1/2" bolt, nut and lockwasher combinations (Ref. # 204).
2. Attach the gas engine shield (Ref. #205) to the engine mount using two 3/8" x 1" bolt, nut, lockwasher and flat washer combinations (Ref. #206). The shield may need to be adjusted or remounted after the gas engine is installed.
3. Mount the 16" 2-groove pulley (Ref. #210) onto the gear box using the 1/4" x 3" key. Mount the belts (Ref. #215) onto the 16" pulley.
4. Mount the gear box shield (Ref. #212) and the upper pulley shield (Ref. #211) onto the gear box using the 1/2" x 3/4" bolt and lockwasher combinations (Ref. #77).
5. Mount the gas engine onto the mount, align the pulleys, and adjust the belt tension by loosening the 1/2" cable clamp (Ref. #201) and moving the sliding part of the mount until the tension is correct.

**NOTE:** This option requires a 4" O.D. 2-groove motor pulley.

18 HP (or larger) gas engine is recommended.

**Gearbox is shipped dry from the factory.**

Add No. 90 gear lube until 1/2 full.



## Parts List - 1034 Conventional Auger

Ref No.	Part No.	Description	Qty
1	SZ2937034	Auger Tube w/ Head & Bearing Brackets (PTO & Electric)	1
	SZ102867	Auger Tube w/ Head & Bearing Brackets (PTO & Electric)*	1
	SZ29370347	Auger Tube w/ Head & Bearing Brackets (Gas)	1
	SZ102868	Auger Tube w/ Head & Bearing Brackets (Gas)*	1
3	SZ6607034	Flighting	1
6	SZ41282581	256-1/2" Driveline (Gas Engine Mount)	1
	SZ4128488	288-1/4" Driveline (PTO or HDE)	1
8	SZ4127843	35-1/4" Driveline (PTO or HDE)	1
10	SZ0431305	Flighting Extension (Head Drive) w/ Bushing	1
12	SZ4127805	Driveline Extension (Head Drive)	1
13	SZ4127806	Sprocket Coupler (Gear Box - Driveline)	2
14	SZ0043614	No. 60-14 Pitch Coupler Chain	1
15	SZ6001617	5/16" x 1-3/4" Spiral Expand Pin	1
16	SZ6005622	5/16" x 2-3/4 Grade 2 Shear Bolt, Nut & Lockwasher (Gear Box Coupler)	1
22	SZ0938687	Clevis Tow Hitch	1
23	SZ66C1/20X23/4	1/2" x 2-3/4" Clevis Pin	1
	SZ128018	No. 4 Hair Pin	1
24	SZ2016121	Wood Intake Bearing	1
34	SZ0218082	Undercarriage Axle (82") w/ 4 Bolt Hub	1
35R	SZ0318119	Undercarriage Lift Arm (119"), Right	1
35L	SZ0319119	Undercarriage Lift Arm (119"), Left	1
36	SZ0315102	Undercarriage Lower Arm (102"), Right	1
37	SZ0317102	Undercarriage Lower Arm (102"), Left	1
39	SZ6003801	3/8" x 1" Bolt, Nut & Lockwasher	2
40	SZ6003821	3/8" U-Bolt with Nut & Lockwasher	4
41	SZ0211459	Undercarriage Pivot Rod (59-1/2")	1
43	SZ0114415	15" Wheel - 4 Bolt	2
44	SZ1630260	260" Driveline Shield (Gas)	1
	SZ1630335	335" Driveline Shield (PTO or HDE)	1
47	SZ6003115	3/16" x 1-1/4" Driveline Shield Mount Screw	14
48	SZ6003801	3/8" x 1" Bolt, Nut & Lockwasher	3
49	SZ2038221	Bolt-on Winch Assembly	1
50	SZ0218480	Undercarriage Roller Frame with 2 rollers & Sheave	1
51	SZ6003161	3/16" Cable Thimble	1
53	SZ6003165	3/16" x 1-1/2" Cotter Pin	4
54	SZ6001403	1/4" x 2" Cotter Pin with 1" x 14 ga Bushing	2
55	SZ6003316	3/16" Cable Clamp	2
56	SZ0213310	3/16" Aircraft Cable (20 ft.)	1

\*Galvanized

Ref No.	Part No.	Description	Qty
58	SZ6003807	3/8" x 3/4" Bolt, Nut, & Lockwasher (Track Stop)	1
60	SZ2018043	Bearing (Head Drive), Driveline & Flight	4
61	SZ6003807	3/8" x 3/4" Bolt, Nut & Lockwasher	12
62	SZ65062MSCI000	Flange Housing for 8043 Bearing	8
63	SZ0040622	No. 60-22 Tooth Sprocket (Driveline)	1
64	SZ0042630	No. 60-30 Tooth Sprocket (Flighting)	1
65	SZ6001803	3/8" x 2" Spiral Expand Pin	2
66	SZ0231141	1-1/4" x 14ga Machine Bushing	4
67	SZ0043648	No. 60 Chain - 48 Pitch w/ Conn	1
68	SZ8482230	Head Drive - Face Plate	1
69	SZ8481808	Head Drive - Cover	1
70	SZ6005617	5/16" x 1-1/2" Bolt, Nut & Lockwasher	1
71	SZ8401809	Access Plug	1
73	SZ2010043	1-1/4" Steel Bearing Drive (1 Piece)	4
	SZ9965062	Flange Housing for Steel Bearing	8
	SZ650PSB206228	Replacement 1-1/4" Wood Bearing (2 Piece)	*
	SZ992018881001	Replacement Flange Housing (Slotted for in place install)	*
75	SZ6003807	3/8" x 3/4" Bolt, Nut & Lockwasher	10
76	SZ0168231	Gear Box - Gas Engine Drive - 1.5:1 Ratio	1
	SZ0168230	Gear Box - PTO Drive - 1:1 Ratio	1
77	SZ6001575	1/2" x 3/4" Bolt & Lockwasher	8
78	SZ1628655	Shield - Gear Box - Gas Engine Mount	1
	SZ1629354	Shield - Gear Box - Electric	1
	SZ1629350	Shield - Gear Box - PTO	1
81	SZ0169848	No. 80-48 Shielded Implement Input Driveline (Non-separable)	1
82	SZ6001602	5/16" x 2" Spiral Expand Pin	1
83	SZ4193011	Discharge Relief Drop Spout	1
84	SZ2031162	10" 1 Bolt Half Clamp	1
	SZ6003805	3/8" x 1-1/4" Bolt, Nut & Lockwasher	2
85	SZ1628815	IID Hanger	1
	SZ6003801	3/8" x 1" Bolt, Nut & Lockwasher	1
87	SZ6001235	1/2" 3-1/2" Clevis Pin with two 1/2" Machine Bushings & 1-1/4" Cotter Pin	1
88	SZ4127886	Sleeve Coupler - Driveline	2
89	SZ6001802	3/8" x 1-3/4" Spiral Expand Pin	4
90	SZ0931045	Auger Intake Cage	1
93	SZ6003805	3/8" x 1-1/4" Bolt, Nut & Lockwasher	6
130	SZ0114110	4 Bolt Hub with cups	2
131	SZ100126	Inner Bearing Cup	2

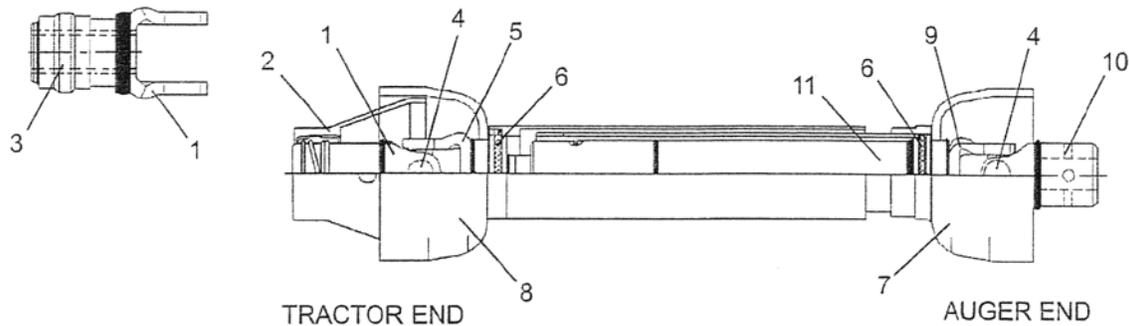
\*As needed

Ref No.	Part No.	Description	Qty
132	SZSE-1100	Grease Seal	2
133	SZ100125	Inner Bearing Cone	2
134	SZWB10000	Wheel Bolt (1/2" x 1-1/4")	8
135	SZDC-1200	Dust Cap	2
136	SZLM11949	Outer Bearing Cone	2
137	SZLM11910	Outer Bearing Cup	2
138	SZ601.5X03/4WA	1-1/2" OD x 3/4" ID Spindle Washer	2
139	SZP251703	Slotted Spindle Nut	2
140	SZ66C5/32X13/4	5/32" x 1-3/4" Cotter Pin	2
141	SZ29700	Owner's Manual Tube	1
142	SZ297002	Owner's Manual Tube Mount	2
	SZ6002575	1/4" x 3/4" Bolt, Nut & Lockwasher	2
144	SZ59381661	Electric Motor Mount Assy	1
145	SZ0162714	14" 2 Groove x 1-1/4" Bore Pulley	1
146	SZ01125175	1/4" x 1-3/4" Key	1
147	SZ2221668	68" V-belt	2
148	SZ5848015	Tension Adjustment Bolt	1
149	SZ51380811	Electric Motor Mount Shield	1
150	SZ6003807	3/8" x 3/4" Bolt, Nut & Lockwasher	3
151	SZ5138083	Shield Support Bar	1
152	SZ5931067	Electric Motor Mount Bracket	1
153	SZ6000501	1/2" x 1" Bolt, Nut & Lockwasher	2
154	SZ2031210	10" 3 Bolt Half Clamp	1
155	SZ6003805	3/8" x 1-1/4" Bolt, Nut & Lockwasher	6
157	SZ5938082	Electric Motor Shield	1
200	SZ7131541	Engine Mount Assembly - C Style	1
201	SZ670.500CLAMP	1/2" Cable Clamp	1
202	SZ7136060	5/8" Rod - Upper Pivot Pin	1
203	SZ6003531	5/32" x 1-1/4" Cotter Pin	2
	SZ0235814	5/8" x 14 ga Machine Bushing	2
204	SZ6003825	3/8" x 2-1/4" Bolt, Nut & Lockwasher	2
205	SZ7136544	Shield - Gas Engine Drive Pulley	1
206	SZ60038015	3/8" x 1" Bolt, Nut, Lockwasher & Flat Washer	2
210	SZ0162716B	16" Pulley, 2 Groove, 1-1/4" Bore	1
	SZ01125175	1/4" x 1-3/4" Key	1
211	SZ7131543	Shield - Gas Engine Mount - Gear Box & Pulley	1
212	SZ7139308	Gear Box Shield - Gas Engine Drive	1
215	SZ22216105	103" V-Belt	2
	SZ6003817	3/8" x 1-3/4" Bolt, Nut & Lockwasher	4

Parts List - Decals (decal location drawing available upon request)

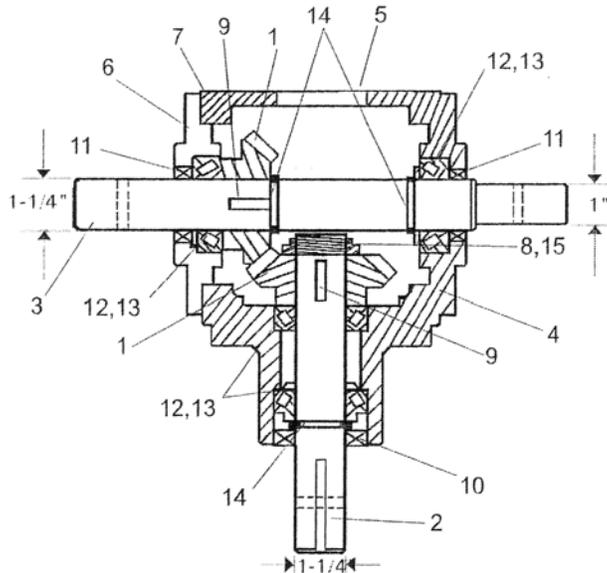
Part No.	Description	Qty
SZ06001	Made in the USA	1
SZ06010	"WARNING" Do not operate the unit before reading the operator's manual	1
SZ06018	"NOTICE" Do not operate when empty during break-in period	1
SZ06023	"WARNING" Keep shield in place during operation	3
SZ06025	NOTICE" Use a 5/16" diameter Grade 2 Bolt	1
SZ06051	"DANGER" Rotating Flighting	3
SZ06056	FEMA	1
SZ06057	Grease Gun Silhouette	1
SZ06059	"WARNING" Contact with moving parts may result in a serious injury or death	1
SZ06075	"DANGER" Shield missing	2
SZ06078	"NOTICE" Avoid over feeding	1
SZ06112	"NOTICE" Gear box oil level must be checked	1
SZ06527	"DANGER" Electrocution hazard	1
SZ06528	"NOTICE" Do not tow over 20 M.P.H	1
	FARM KING logo for red augers	2
	FARM KING logo for galvanized augers	2
SZ000198	1034 for red augers	2
SZ000213	1034 for galvanized augers	2
SZ000116	Feterl Original	2

Parts List - SZ0169848 - G & G 12N x 48" Non-Separable IID



Ref No.	Part No.	Description	Qty
	SZ0169848	Complete IDD w/ 5/16" Cross Hole - 48" Closed Length	1
	SZ01698481	Tractor Half w/ 5-7/8" OD Bell Shield (Shaft)	1
	SZ016984815	Machine Half w/ 5-7/8" OD Bell Shield (Tube)	1
1	SZ18231206	12N 1-3/8" 6 Spline Ball Type Snap Hitch Yoke	1
2	SZ304-1200	12N Ball Type Snap Hitch Repair Kit w/ Shield (Uni-shield)	1
3	SZ02010300	Ball Type Snap Hitch Repair Kit, Less Shield	1
4	SZ302-1200	12N Cross & Bearing Kit, Complete	2
5	SZ188-9012	1" x 1-1/8" Rectangular Shaft w/ 12N Yoke - 22-3/4" Long	1
6	SZ128-1200	12N Shield Bearing, Ring & Washer Kit	2
7	SZ309N1248	Inner Plastic Shield (2-11/16" OD) w 5-7/8" OD Notched Bell 31-1/8" Long w/ Access Hole	1
8	SZ30901248	Outer Plastic Shield (3" OD) w/ 5-7/8" OD Bell 20-1/4" Long w/ Access Hole	1
9	SZ186-9012	Outer Torque Tube w/ 12N Yoke & Slip Sleeve - 27-4/3" Long	1
10	SZ184-12201	12N Yoke - 1-1/4" Round w/ 5/16" Cross Hole	1
11	SZ66P5/16X10/0	5/16" x 1" Spiral Pin (thru pin hole in item #5, inside outer torque tube)	1

Parts List - SZ0168230 - Prairie Gear 6005 Gear Box (PTO, Electric & Hydraulic)

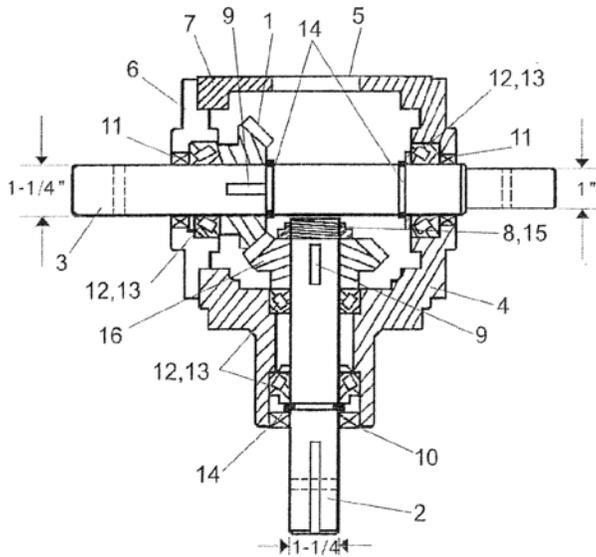


Ref No.	Part No.	Description	Qty
	SZ0168230	Prairie Gear (1:1 Ratio)	1
1	SZPG-1207	Gear - 17 Tooth	2
2	SZPG-4645	Input Shaft - 5/16" Cross Hole	1
3	SZPG-4644	Output Shaft - 5/16" Cross Hole	1
4	SZPG-1024	Case	1
5	SZPG-1154	Case Cover	1
6	SZPG-1121-1	Cap - Output Shaft	1
7	SZPG-1511	Shim - .005	*
	SZPG-1512	Shim - .0075	*
	SZPG-1513	Shim - .010	*
8	SZPG-1600	Snap Ring	1
9	SZPG-1651	Key	2
10	SZ8742128904	Grease Seal - Input Shaft	1
11	SZPG-1471	Grease Seal - Output Shaft	2
12	SZ100126	Bearing Cup	4
13	SZ100125	Bearing Cone	4
14	SZPG-1603	Snap Ring	3
	SZPG-1872	3/8" Pipe Plug	1
	SZPG-1850	1/4" Pipe Plug	1
	SZPG-1864	3/8" - 1/4" Pipe Bushing	1
	SZPG-1856	Pressure Relief Vent	1
15	SZPG-1805	Washer	3

\*As needed

IDENTIFICATION: Cast iron case, Prairie Gear, 1023 is printed on the case.

Parts List - SZ0168231 - Prairie Gear 6005 Gear Box (Gas Only)



Ref No.	Part No.	Description	Qty
	SZ0168231	Prairie Gear (1.5:1 Ratio)	1
1	SZPG-1223	Gear - 30Tooth	1
2	SZPG-5046	Input Shaft - 5/16" Cross Hole	1
3	SZPG-4644	Output Shaft - 5/16" Cross Hole	1
4	SZPG-1024	Case	1
5	SZPG-1154	Case Cover	1
6	SZPG-1121-1	Cap - Output Shaft	1
7	SZPG-1511	Shim - .005	*
	SZPG-1512	Shim - .0075	*
	SZPG-1513	Shim - .010	*
8	SZPG-1600	Snap Ring	1
9	SZPG-1651	Key	2
10	SZ8742128904	Grease Seal - Input Shaft	1
11	SZPG-1471	Grease Seal - Output Shaft	2
12	SZ100126	Bearing Cup	4
13	SZ100125	Bearing Cone	4
14	SZPG-1603	Snap Ring	3
	SZPG-1872	3/8" Pipe Plug	1
	SZPG-1850	1/4" Pipe Plug	1
	SZPG-1864	3/8" - 1/4" Pipe Bushing	1
	SZPG-1856	Pressure Relief Vent	1
15	SZPG-1805	Washer	3
16	SZPG-1222	Gear - 20Tooth	1

\*As needed

IDENTIFICATION: Cast iron case, Prairie Gear, 1023 is printed on the case.

## 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.

**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. Defective parts will receive an extra 10% discount to assist with freight or other incidental costs.

**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.

## Serial Number Location

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The following page contains a space for you to record the information about your portable grain auger found on this plate. Please record this information here for future reference.

NOTE: The auger serial number is located on the second upright support on the lower cradle.

Farm King Number: \_\_\_\_\_

Farm King Serial Number: \_\_\_\_\_

**Component Serial Numbers:**

Manufacturer	Part Number	Serial No.	Notes:



[www.farm-king.com](http://www.farm-king.com)

# Farm King

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