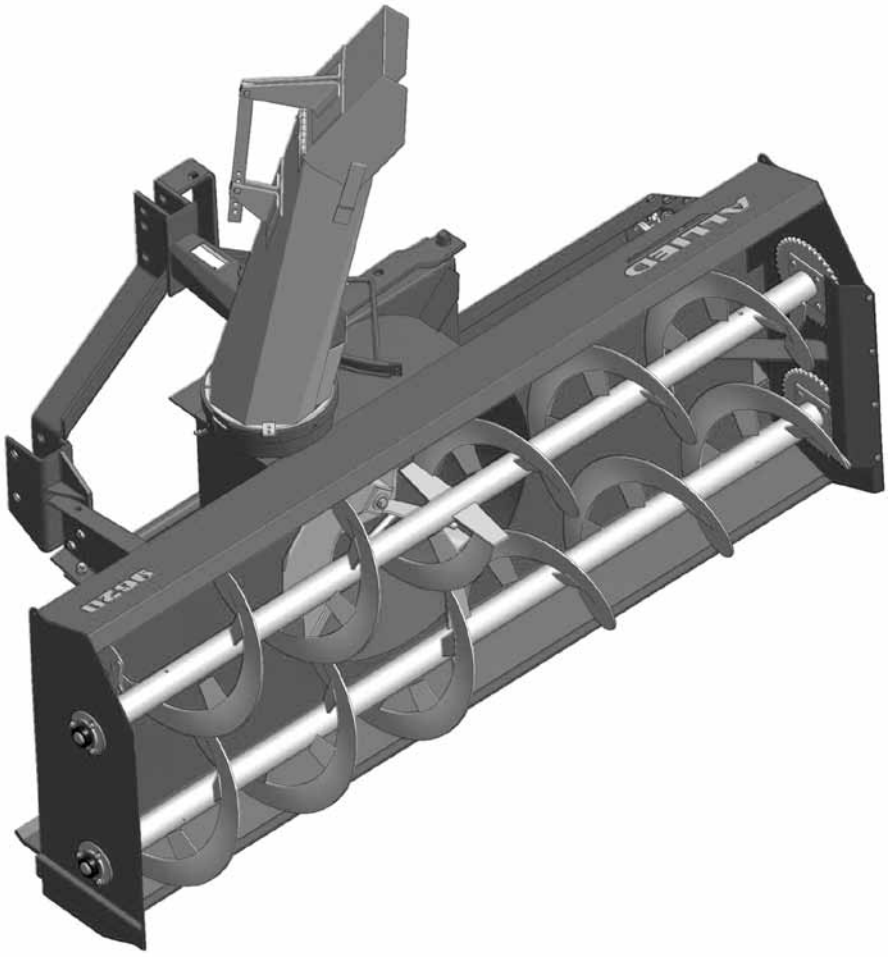
ALLIED

by Farm King

OPERATOR AND PARTS MANUAL

9620 Snowblower



5/2010 FK330

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Warranty Policy

Buhler Trading Inc. products are warranted for a period of twelve (12) months (90 days for commercial application) from original date of purchase, by original purchaser, to be free from defects in material and workmanship under correct, normal agricultural use and proper applications.

Buhler Trading Inc.'s obligations under this warranty shall be limited to the repair or exchange, at Buhler Trading Inc.'s option, of any Buhler Trading Inc. product or part which proves to be defective as provided. Buhler Trading Inc. reserves the right to either inspect the product at the buyer's location or have it returned to the factory for inspection.

The above warranty does not extend to goods damaged or subject to accident, abuse or misuse after shipment from Buhler Trading Inc.'s factory, nor to goods altered or repaired by anyone other than an authorized Buhler Trading Inc. representative.

Buhler Trading Inc. makes no Express Warranties other than those, which are specifically described. Any description of goods, including any references and specifications in catalogues, circulars and other written material published, is for the sole purpose of identifying goods and shall conform to such descriptions. Any sample or model is for illustrative purposes only and does not create an Express Warranty that the goods conform to sample or model shown.

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 Trading 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.

Warranty Claims
Warranty requests must be prepared on Buhler Trading 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 Trading 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.

Government Legislation
Warranty terms and conditions are subject to Provincial or State legislation.

Important Facts
Snowblower Fan Shafts Carry No Warranty

IMPORTANT NOTE: This warranty does not apply to rentals

Introduction

Allied by Farm King has years of snowblower manufacturing expertise. Thousands of acreages, farms, and cities depend on Allied by Farm King snowblowers. PTO-driven Allied by Farm King Snowblowers attach to 3-point hitch. This snowblower is supplied with category 2 pins with conversion bushings to category 3 available. Adjustable cup type skid shoes are standard on all models.

Four blade fans are standard on all models. Shear bolt protection is provided at the sprocket to the main auger, and is easily accessed by removing wing nuts and cover at the back of the housing. A hitch system, which is quick-hitch compatible, is standard on all models. Also available is an optional hydraulic spout deflector.

The 96" is for tractors from 90 hp to 125 hp. It has a 540-rpm oil bath gearbox with #60 chain. The chute rotation is hydraulic (cylinder and necessary hardware not included). An optional hand crank kit is available for chute rotation. Hydraulic spout deflector kits are available. There is a shear bolt on the auger and on the PTO shaft to protect the machine from damage if a large object is picked up. Any smaller objects in the snow will be thrown with it and could cause serious injury. Do not allow anyone to stand behind the tractor or in the area of the discharged snow.

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 Allied by Farm King Dealer if you need assistance, information, or additional copies of the manual. Visit our website at www.farm-king.com for a complete list of dealers in your area.

The directions left, right, front, and rear as mentioned throughout.

Safety

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!

CAUTION
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.

DANGER
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 Allied by Farm King product as this could affect function or safety, and could affect the life of the equipment.
- Never start or operate the snowblower 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.
- Stay clear of Snowblower augers.
- Stay clear of Snowblower discharge chute. Rocks or debris can be picked up and thrown.
- Never operate over 540 rpm PTO 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.

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.

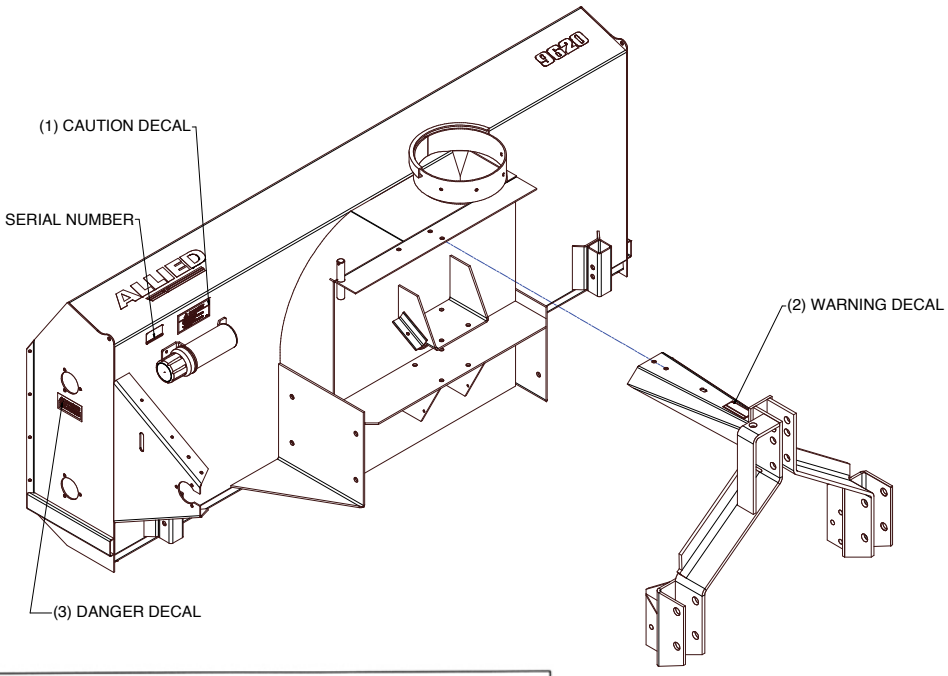
Service and Maintenance Safety
- Stop engine, set brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging.
- Support the equipment with blocks or safety stands before working beneath it.
- Follow good shop practices including:
  - Keep service area clean and dry
  - Be sure electrical outlets and tools are properly grounded
  - Use adequate light for the job
- Use only tools, jacks, and hoists of sufficient capacity 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.

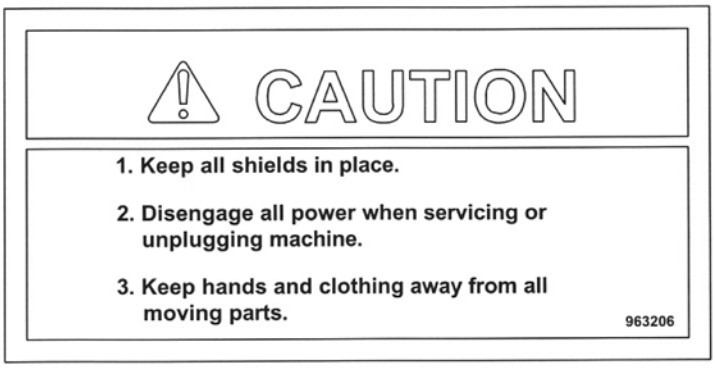
Storage Safety
- Store the unit in an area away from human activity.
- Do not permit children to play on or around the stored machine.
- Support the frame on stands and blocks to provide a secure base.

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 of Safety Signs

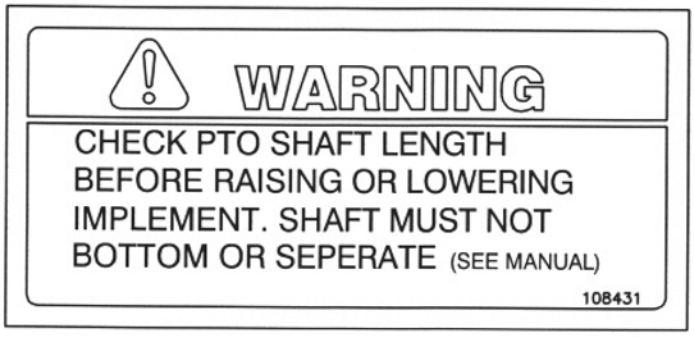
To install safety signs, ensure the installation area is clean and dry. Decide on the exact position before you remove the backing paper. Remove the smallest portion of the split backing paper and align over the specified area. Carefully press in place. Slowly peel back the remaining paper and smooth the remaining portion in place. Small air pockets can be pierced with a pin and smoothed out.



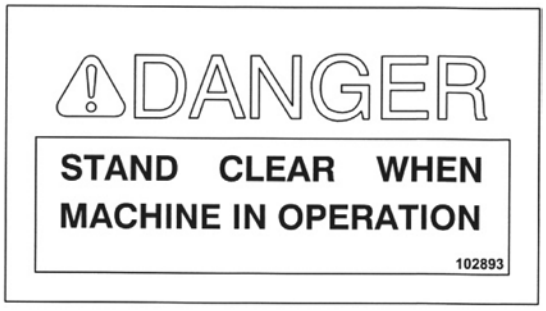


#1

Replace safety signs immediately should they become damaged, torn or illegible. Obtain replacements from your authorized dealer using the part numbers shown.



#2



#3

Assembly Instructions

1. Fasten the two quick hitch arms (#57) to the main body. Use eight 5/8" x 1 1/4" hex bolts, lock washers and hex nuts. Note: Lift arms for quick coupling hitch are 30 3/4" long versus 35" for the standard three point hitch.

2. Bolt the quick hitch (#56) to the snowblower body using two 1/2" x 1 1/4" hex bolts, lock washers and hex nuts. Fasten to the lift arms using three 5/8" x 1 1/2" hex bolts on each lift arm. Insert a 1" top link pin at the top and two 1 1/8" lift pins at the bottom of the hitch.

3. Bolt the hitch cross brace (#2) underneath the two quick hitch arms using two 5/8" x 1 1/2" hex bolts, lock washers, flat washers and hex nuts.

4. Mount the discharge spout (#3) using the spout clamp (#51) bolted to the spout ring on the snowblower. Lubricate the spout ring and clamp.

5. Hydraulic Spout Swivel:
   a. Mount the swivel arm (#36) onto the swivel pin welded to the back corner of the fan housing using a 1" ID flat washer (#37) and a 3/16" x 1 1/2" cotter pin (#52).
   b. Wrap cable (#35) around spout and clamp to the ends of the swivel using 1/4" cable clamps (#16).
   c. With the spout turned forward and the swivel arm centered with the spout, clamp the cable to the spout cable anchor using another cable clamp. Ensure that the spout is not jammed and that there is no slack in the cable.
   d. Use a standard 8" stroke cylinder (20 1/4" min., 28 1/4" max. pin centers).
   e. NOTE: A hydraulic cylinder and hose kit to control the spout deflector is available as an option.

6. Hand Crank (Option):
   a. Fasten hand crank assembly (#50) using two 1/2" x 1 1/4" hex bolts, lock washer and hex nuts.
   b. Thread cable (#53) through hole in hand crank to even lengths and wrap around the tube to each side of the hole four turns in opposite directions.
   c. Turn spout to center forward position and clamp cable to cable anchor on far side of spout using clamp (#16).

Assembly Instructions - continued

7. Mounting blower on tractor:

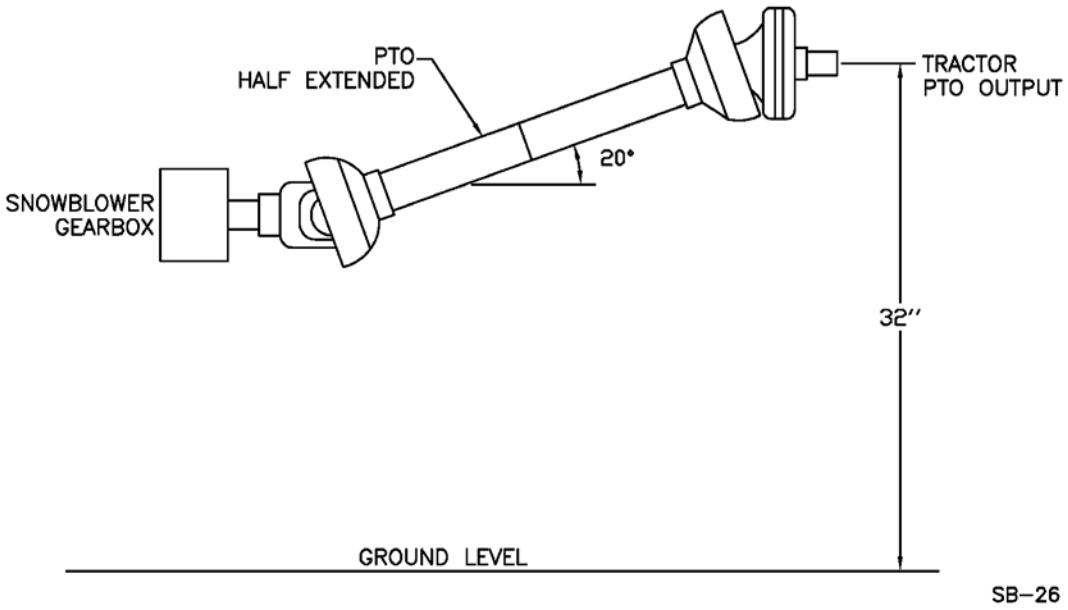
a. The pins supplied with the snowblower are for a category 2 quick hitch. The quick coupling hitch has two holes both at the top of the hitch and at each lift arm. When using a quick coupler, the pins must be in the inside set of holes. Use the outside set of holes with a standard three-point hitch.

b. 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 blower through all possible operating angles to see that the PTO shaft stays within this range.

c. With the engine on the tractor shut off, attach the PTO shaft. The tractor end has a standard 6-spline end with a spring loaded locking collar. The snowblower end has a clamp-style yoke with a 3/8" key way. Slide the yoke onto the gearbox shaft with the 3/8" key supplied. Lock the yoke in place with the 1/2" x 3" hex bolt and lock nut fitted through the groove in the gearbox shaft. After tightening the bolt, insert and tighten the 3/8" socket set screw supplied.
⚠ **CAUTION**: Always check to see that both ends of the PTO shaft are securely attached every time the Snowblower is used. This should always be done with the tractor engine off.

d. Check that the PTO shaft does not bottom or separate with the blower in the extreme high and low positions. A longer optional PTO shaft is available if the standard shaft is too short. Check for free movement of all parts in various raised positions; particularly the PTO shaft.

e. NOTE: Excessive U-joint wear and shear pin failure may result if the tractor PTO angle exceeds 20. The drawing below gives an approximate way to check this angle. With the PTO half extended, the tractor output should not be over 32 inches high. Use 34 inches if the PTO is nearly fully extended and 30 inches if it is nearly compressed.



Assembly Instructions - continued

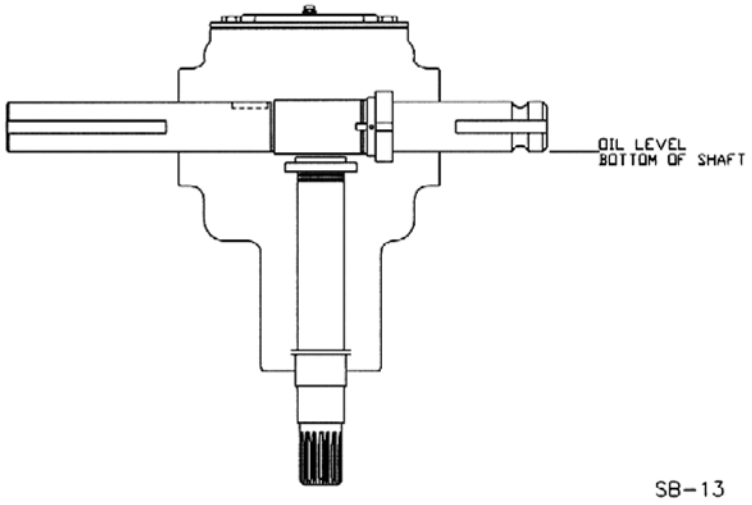
8. PTO Shield

All snowblowers are supplied with a PTO shield (#61). To install, remove the two rear bolts at the top of the gearbox (#38). Bolt the PTO shield to the gearbox by the hinges using these same bolts. A utility spring (#62) keeps the shield in place. Hook one end of the spring in the hole in the shield and the other end to the hole in the brace under the gearbox.

⚠ **CAUTION**: Do not run the snowblower without this shield in place.

Refilling Gearbox with Oil:

If the gearbox requires refilling with oil because of repairs to the gearbox, add oil to the level shown in drawing. Check the level regularly using the plug in the lid. The correct level is even with the bottom of the plug.



Operation Instructions

1. Do not operate the blower in the fully raised position. The three-point hitch on some tractors rises high enough to cause the PTO shaft to bind. This can cause damage to the PTO shaft and/or to the hitch and pins.

2. Depth of cut can be partially controlled by tilting the blower forward or backward. Adjust the tractor quick hitch so the snowblower is just slightly tilted back when resting on the ground. ⚠ **CAUTION**: Excessive backward tilt may cause the "U" joints to flutter resulting in PTO shear bolt failure.

3. Run the blower at low rpm to check operation before blowing snow.

4. The snowblower has two shear bolts to protect the tractor and blower in case a large object enters the blower. PTO shear bolt - two 5/16" x 1" (Grade 8); Auger shear bolt – 5/16" x 1 1/4" (Grade 5). Shear bolts should be fastened with a lock nut or two jam nuts. These bolts must be kept tight to prevent wear of the bolt and bolt holes.

5. Never run PTO shaft at over 600 rpm.

6. Chain Tension: Slack on the lower side of the chain should be 3/8" to 1/2".

7. Lubrication:
   a. The spout clamps and rings should be periodically lubricated with gun grease.
   b. PTO shaft universal joints and square shaft slide should be greased daily.
   c. Regularly oiling the chain will significantly increase the life of the chain.
   d. The grease fitting on the hydraulic spout swivel arm should be kept lubricated.
   e. Gearbox - Use any 80-90 gear oil or multigrade with 80 minimum.

8. Periodically check all bolts for tightness. The bolt holding on the fan and the bearing bolts are of particular importance.
   - See Maintenance (page 15) - Bolt Torque

Operation Instructions - continued

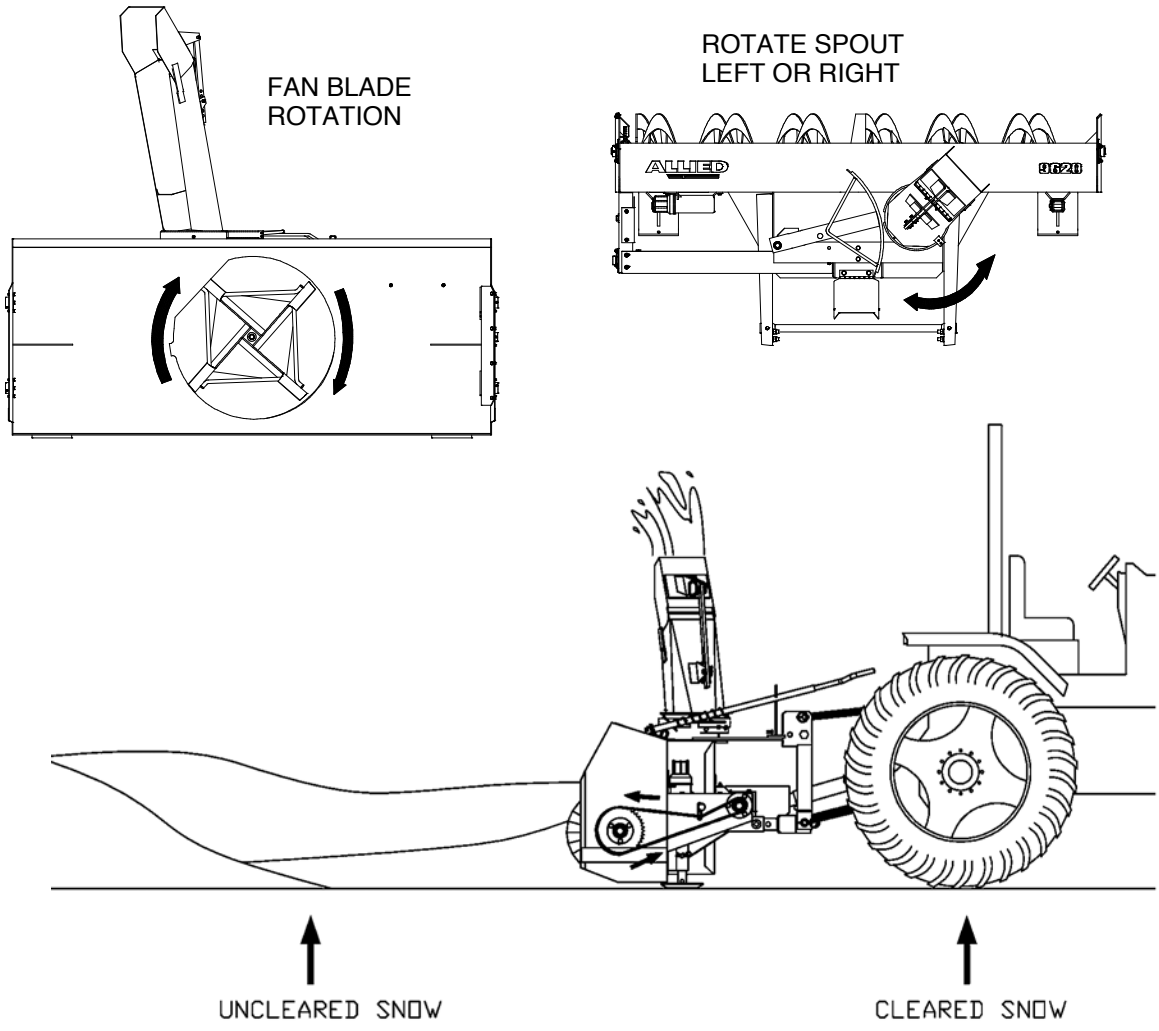
9. ⚠ **DANGER**: Always stop blowing for servicing or unplugging. The PTO should be disengaged before dismounting from the tractor.

10. ⚠ **CAUTION**: Always check to see that both ends of the PTO shaft are securely attached as per instructions every time you are preparing to use the Snowblower.

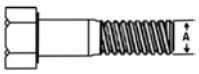
11. Shear Sprocket: The shear sprocket (#24) should be checked at the beginning of every season to make sure it will spin freely. With time this sprocket could corrode and seize which will not allow the shear bolt to break if something jams in the snowblower auger. If necessary, clean shear sprocket to ensure ability to spin freely.

12. When replacing bearings or tightening a loose bearing collar, always tighten collar in the direction of shaft rotation using a center punch or a similar tool.

Theory of Operations



Maintenance

Bolt Torque						
						
Bolt Diameter	Grade 2 Bolts		Grade 5 Bolts		Grade 8 Bolts	
(inches)	SAE 2		SAE 5		SAE 8	
"A"	(ft-lbs)	(NM)	(ft-lbs)	(NM)	(ft-lbs)	(NM)
0.25 (1/4)	6	7	8	11	12	16
0.313 (5/16)	11	15	17	23	25	33
0.375 (3/8)	20	27	31	42	44	60
0.438 (7/16)	32	43	49	66	70	95
0.5 (1/2)	49	66	76	103	106	144
0.563 (9/16)	70	95	109	148	153	207
0.625 (5/8)	97	131	150	203	212	287
.75 (3/4)	144	195	266	360	376	509
0.875 (7/8)	166	225	430	583	606	821
1	250	339	644	873	909	1232
1.125 (1 1/8)	354	480	795	1077	1288	1745
1.25 (1 1/4)	500	678	1120	1518	1817	2462
1.375 (1 3/8)	655	887	1470	1992	2382	3228
1.5 (1 1/2)	870	1179	1950	2642	3161	4283

1. For fine threads add 10% to the seating torque.
2. All readings are for un-plated or cadmium plated steel locknuts on un-plated or cadmium plated surfaces.
3. Use 80% of the specified torque value for plated and lubricated fasteners.
4. Seating torque figures are based on tightening the nut until the bolt has reached 75% of the specified proof load.

Maintenance

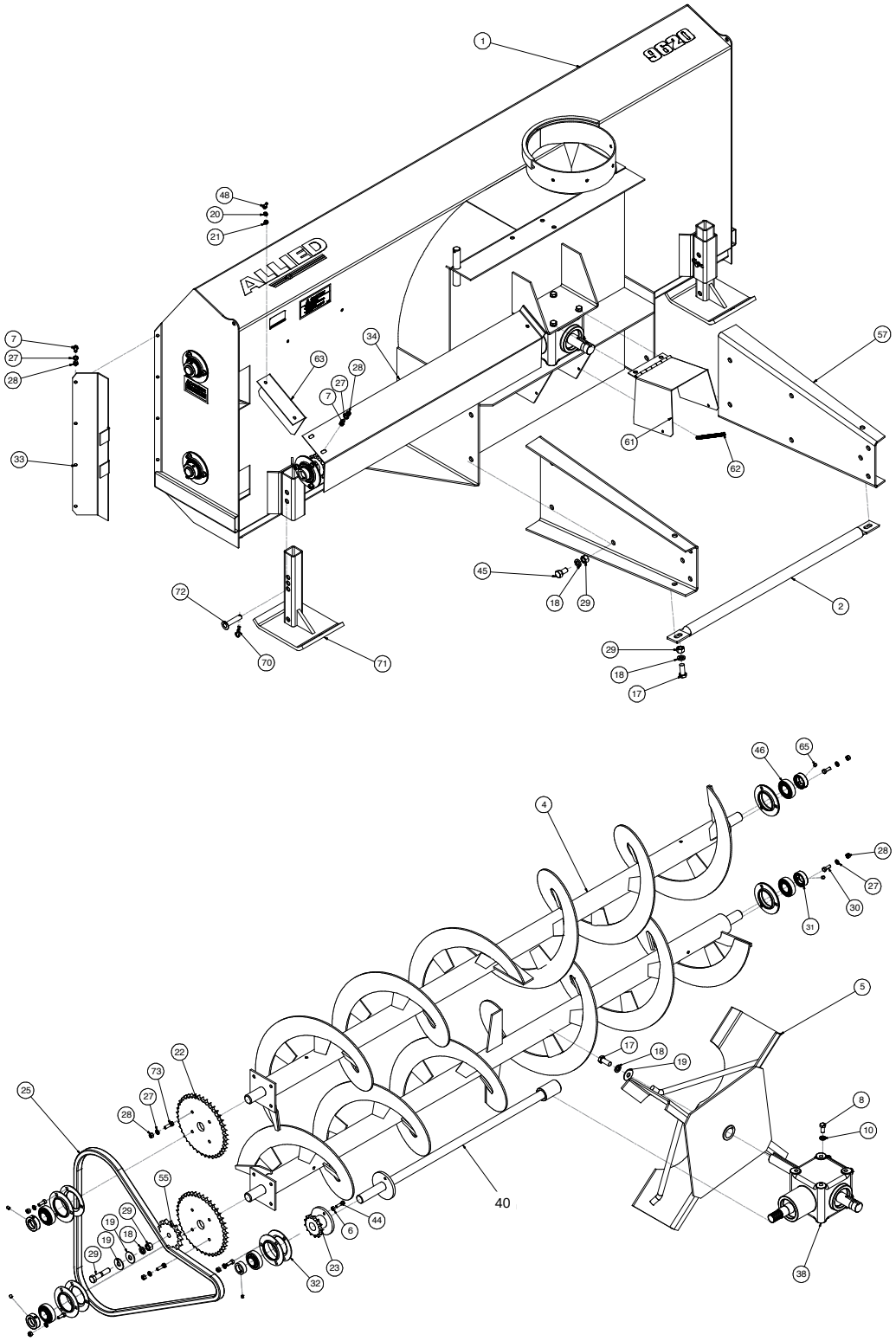
Hydraulic Fittings					
		Jam Nut or Straight ORB Fitting Torque		SAE 37° (JIC) Swivel Nut Torque	
Dash Size	Thread Size	(ft-lbs)	(NM)	(ft-lbs)	(NM)
-4 (1/4)	7/16-20	14 - 16	20 - 22	10 - 11	13 - 15
-5 (5/16)	1/2-20	18 - 20	24 - 27	13 - 15	18 - 20
-6 (3/8)	9/16-18	24 - 26	33 - 35	17 - 19	23 - 26
-8 (1/2)	3/4-16	50 - 60	68 - 78	34 - 38	47 - 52
-10 (5/8)	7/8-14	72 - 80	98 - 110	50 - 56	69 - 76
-12 (3/4)	1-1/16-12	125 - 135	170 - 183	70 - 78	96 - 106
-14 (7/8)	1-3/16-12	160 - 180	215 - 245	80 - 90	110 - 122
-16 (1)	1-5/16-12	200 - 220	270 - 300	94 - 104	127 - 141
-20 (1 1/4)	1-5/8-12	210 - 280	285 - 380	124 - 138	169 - 188
-24 (1 1/2)	1-7/8-12	270 - 360	370 - 490	156 - 173	212 - 235

Maintenance

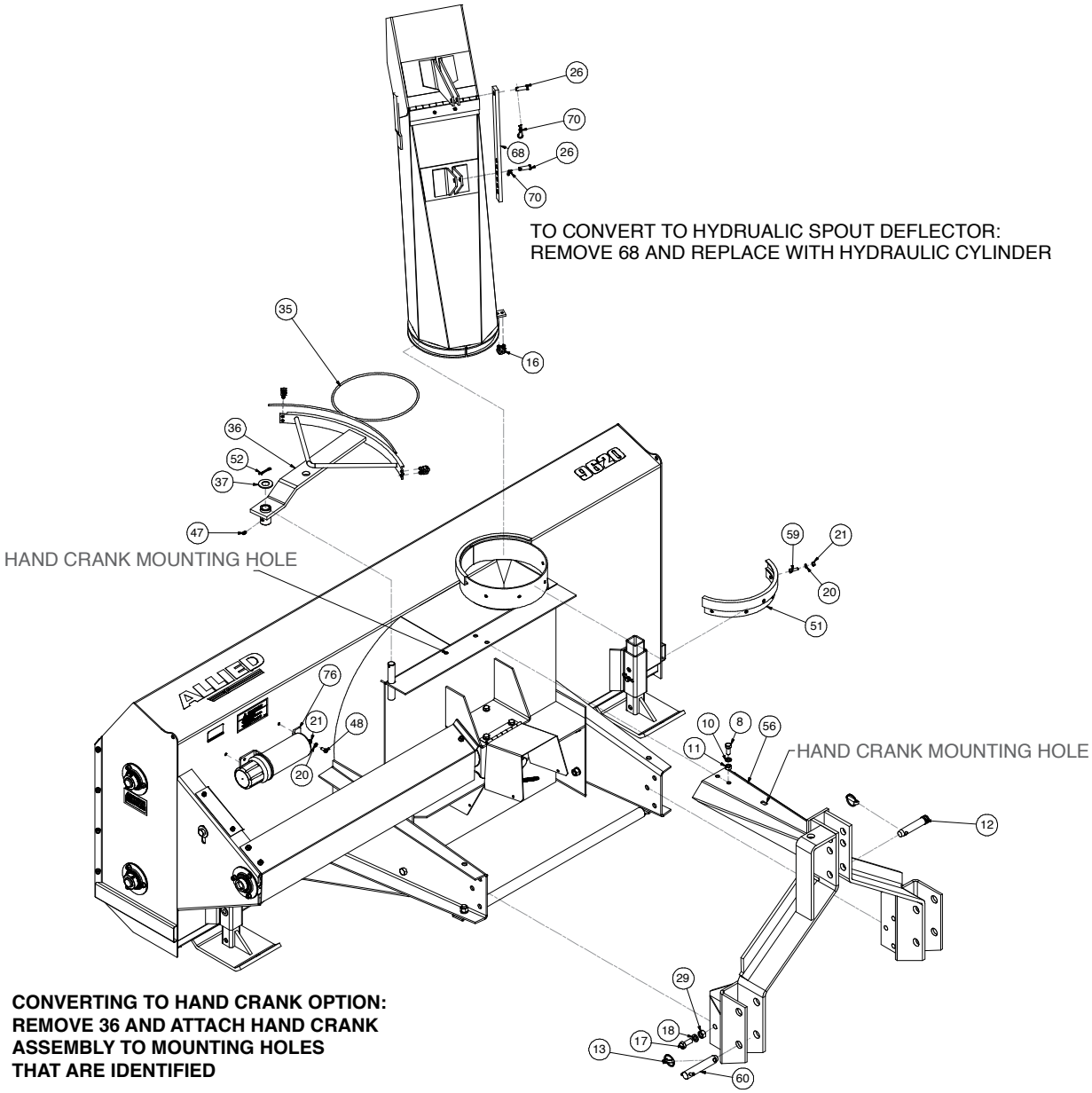
Prevailing Torque Lock Nuts				
Nut Size and Threads per Inch	Grade B Nuts		Grade C Nuts	
	Nut Tightening Torque		Nut Tightening Torque	
	(ft-lbs)	(NM)	(ft-lbs)	(NM)
Coarse Thread				
1/4 - 20	5 - 7	7 - 9	7 - 10	9 - 14
3/16 - 18	9 - 12.5	12 - 17	11 - 16	15 - 22
3/8 - 16	14.5 - 20	20 - 27	20 - 28	27 - 38
7/16 - 14	23 - 32	31 - 43	31 - 43	42 - 58
1/2 - 13	37 - 50	50 - 68	45 - 62.5	61 - 85
9/16 - 12	50 - 70	68 - 95	70 - 95	95 - 129
5/8 - 11	70 - 95	95 - 129	90 - 122.5	122 - 166
3/4 - 10	125- 165	169 - 224	155 - 210	210 - 285
7/8 - 9	185 - 250	251 - 339	225 - 312.5	305 - 423
1 - 8	275 - 375	373 - 508	360 - 462.5	488 - 627
Fine Thread				
1/4 - 28	5.5 / 7.5	7 - 10	7 - 10	9 - 14
3/16 - 24	10 - 13	14 - 18	12 - 17	16 - 23
3/8 - 24	16 - 22	22 - 30	21 - 29	28 - 39
7/16 - 20	24 - 34	33 - 46	31 - 43	42 - 58
1/2 - 20	37.5 - 52.5	51 - 71	50 - 70	68 - 95
9/16 - 18	57.5 - 77.5	78 - 105	70 - 95	95 - 129
5/8 - 18	72.5 - 97.5	98 - 132	90 - 125	122 - 169
3/4 - 16	120 - 165	163 - 224	155 - 210	210 - 285
7/8 - 14	200 - 270	271 - 266	225 - 312.5	305 - 423
1 - 14	300 - 400	407 - 542	362.5 - 500	491 - 678

1) For Grade A locknut torque specifications refer to Grade B specifications.

96" Snowblower w/Quick Hitch



96" Snowblower w/Quick Hitch



CONVERTING TO HAND CRANK OPTION:
REMOVE 36 AND ATTACH HAND CRANK ASSEMBLY TO MOUNTING HOLES THAT ARE IDENTIFIED

When Ordering Parts
Always give your dealer the Model, Color and Serial Number of your machine to assist them 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.

9620 Snowblowers

F0625A Body Assembly *

Item	Part Number	Description
1		Main Body
2	965959	Hitch Cross Brace, 1–1/2" x 39–1/2"
4	965904	Auger
5	965448	Fan Assembly 4 Blade
6		5/16" Lock Nut Grade B (pl)
7		3/8" x 3/4" Hex Bolt Grade 5 (pl)
8		1/2" x 1" Hex Bolt Grade 5 (pl)
9		1/2" x 1–1/4" Hex Bolt Grade 5 (pl)
10		1/2" Lock Washer (pl)
11		1/2" Hex Nut Grade 2 (pl)
12	965910	Top Link Pin (Cat. 2)
13	965911	Linch Pin
17		5/8" x 1–1/2" Hex Bolt Grade 5 (pl)
18		5/8" Lock Washer (pl)
19		5/8" B.S. Flat Washer (pl)
20		5/16" Lock Washer (pl)
21		5/16" Hex Nut Grade 2 (pl)
22	965912	40 Tooth Sprocket, #60, 1 3/8" Bore
23	965962	Idler Sprocket, #60 x 13 Tooth
24	965914	13 Tooth Sprocket, #60, 1–1/4" Bore
25	965972	Roller Chain (#60 x 117 Link w/ Conn & Offset)
27		3/8" Lock Washer (pl)
28		3/8" Hex Nut Grade 2 (pl)
29		5/8" Hex Nut Grade 2 (pl)
30		3/8" x 1" Hex Bolt Grade 5 (pl)
31	965917	1 3/8" Bearing w/ Collar
32	961675	Flange Bearing (72MS)
33	965963	Chain Guard
34	965919	Drive Shaft Guard
38		Gearbox Complete w/o Oil
40	965925	Drive Shaft
41	968807	3/8" x 3/8" x 2" Key
42		1/2" x 3" Hex Bolt Grade 5 (pl)
43	902377	3/8" x 3/8" x 4–3/4" Key
44		5/16" x 1–1/4" Hex Bolt Grade 5 (pl)
45		5/8" x 1–1/4" Hex Bolt Grade 5 (pl)

46	961676	1–1/4" Bearing w/ Collar
48		5/16" x 3/4" Hex Bolt Grade 5 (pl)
51	965970	Spout Clamp
54		5/8" x 3" Hex Bolt Grade 5 (pl)
55	965632	Spacer Idler 1/2"
57	965952	Quick Hitch Arm
59		5/16" x 1" Hex Bolt Grade 5 (pl)
60	965966	Quick Hitch Lift Pin (Cat. 2)
61	908715	PTO Shield
62	960135	PTO Shield Spring
63	965968	Idler Shield
64		1/2" Lock Nut Grade B (pl)
65		3/8" x 3/8" Socket Set Screw (br)
71		Skid Guide
72	900712	Skid Pin (5/8" x 3")
73		3/8" x 1–1/4" Hex Bolt Grade 5 (Br)
75	910426	Chain Assembly PTO Holder
76	909277	Manual Holder
79	903297	Bag of Shear Pins

* Sold as subassemblies unless a part number is shown with description

F9211 Spout Assembly *

Item	Part Number	Description
70	–	#16 Hair Pin Clip
26	–	1/2" x 1–1/2" Clevis Pin (pl)
68	–	Spout Adjustment Bar
3	–	Spout Weldment

* Sold as subassemblies unless a part number is shown with description

FX9107 Hydraulic Chute Control Kit *

Item	Part Number	Description
16	–	1/4" Cable Clamp
36	–	Swivel Arm
35	–	1/4" Cable x 70" Long
37	–	1" x 10 ga Narrow Rim Washer (pl)
47	–	Pound-In Grease Fitting
52	–	3/16" x 1–1/2" Cotter Pin (pl)

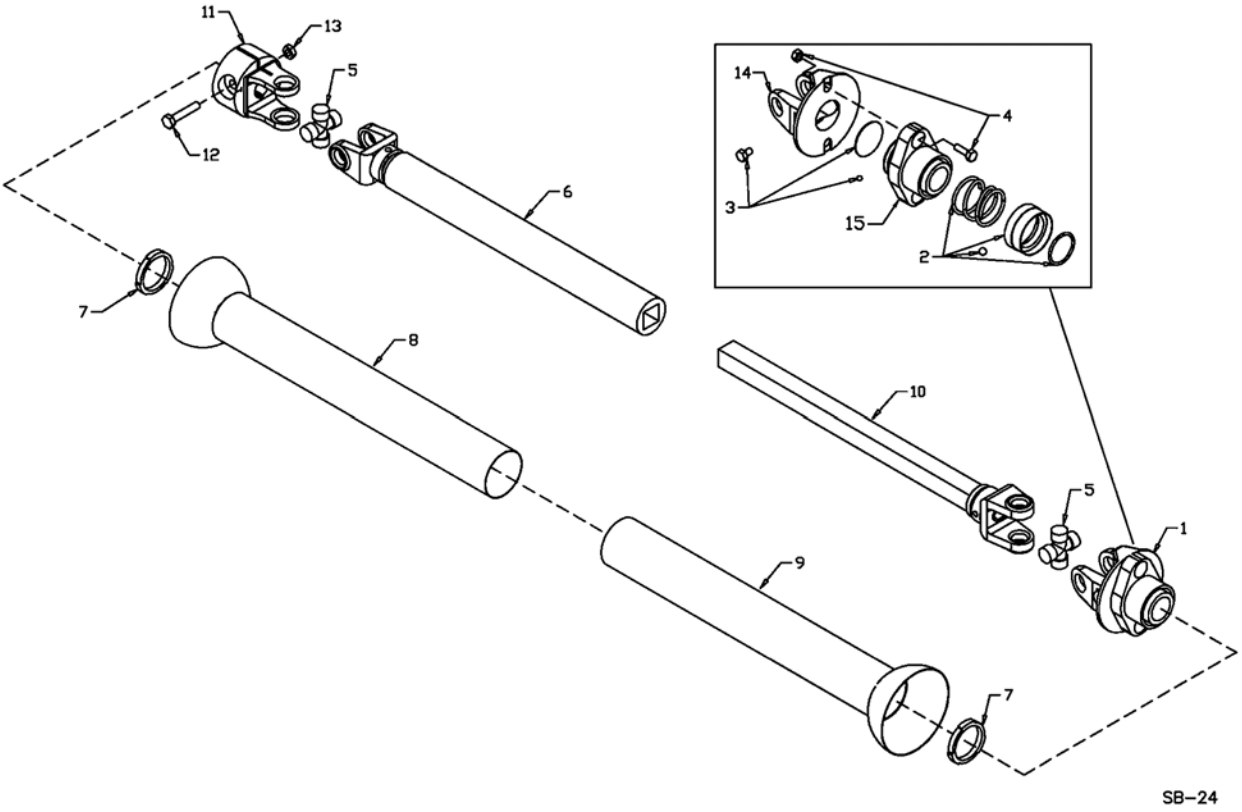
* Sold as subassemblies unless a part number is shown with description

FX9204 Quick Hitch *

Item	Part Number	Description
–	–	–

* Sold as subassemblies unless a part number is shown with description

96" Allied by Farm King Snowblower PTO (Standard)

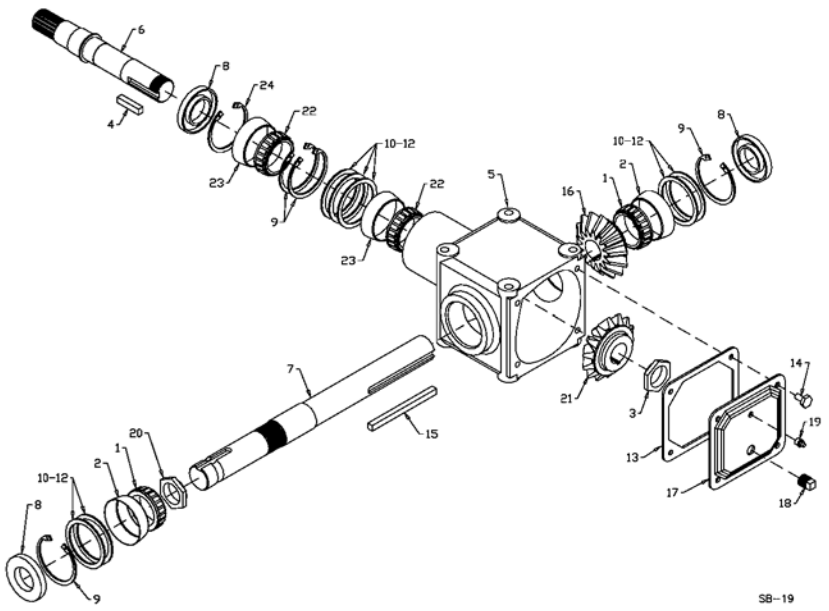


F0585 Standard PTO Shaft *

Item	Part Number	Description
1	907989	Shear Assembly
2	936199	Safety Slide Lock Repair Kit
		(Collar, Spring, Ret. Ring, 2-Pawls)
3	936249	Shear Assembly Repair Kit
		(3/8" x 1/2" Bolt, Lube, Blank, 31-1/4" Balls)
4	903297	Shear Bolt - 5/16" x 1" (Grade 8) (Pack of 10)
5	936197	Repair Kit (Option)
	906548	Extended Life Repair Kit (Std.)
6	907994	Yoke & Tube
7	907991	Nylon Bearing
8	907993	Inner Shield
9	907992	Outer Shield
10	907990	Yoke & Shaft
11	907995	Clamp Yoke
14	908002	Shear Yoke
15	936411	6 Spl Shear Hub

* Sold as subassemblies unless a part number is shown with description

96" Allied by Farm King Snowblower Gearbox



Gearbox Assembly Parts List - BU50505

BU50505 Gearbox Complete WIthout Oil *

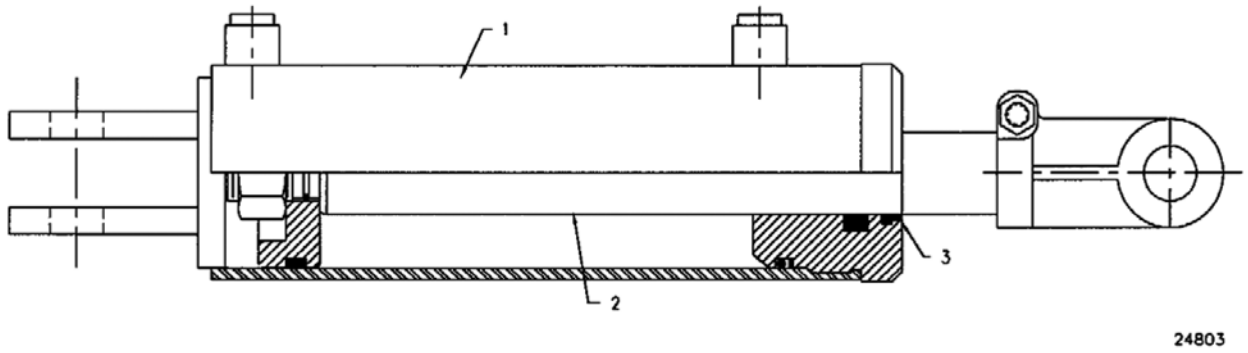
Item	Part Number	Description
1	BU575901	Bearing Cone (2 used)
2	BU575902	Bearing Cup (2 used)
3	BU50444	Staking Lock Nut
4	BU50417-1	Key
5	BU50310	Gearbox Casting Only
6	BU50502	Pinion Shaft
7	BU50507	Cross Shaft
8	BU50422-1	Oil Seal (3 used)
9	BU50415	Retainer Ring (4 used)
10,11,12	BU50210X	Shim Set
13	BU50458	Gearbox Gasket
14		Hex Bolt 5/16" NC x 5/8" GR5 (pl)
15	BU50429	Key
16	BU50329	Bevel Gear - 1–1/2" Bore
17	BU50457	Gearbox Cover
18	BU500089-3	Pipe Plug
19	BU500167-1	Relief Valve
20	BU50428	Staking Lock Nut
21	BU50331	Bevel Gear - 1 3/8" Bore
22	BU575906	Bearing Cone (2 used)
23	BU575907	Bearing Cup (2 used)

* Sold as subassemblies unless a part number is shown with description

Optional Bundles

F9116 Hydraulic Cylinder & Hose Kit for Spout Swivel

Item	Part Number	Description
–		4" OD Hydraulic Cylinder ORB (9 3/8" Port To Port)
–	115043	1/2" x 78" Hose 1/2" MNPT X 3/4" MORB
–		Cyl Clev Pin 1 x 4" Rb&Fm
–		Hair Pin Clip #9

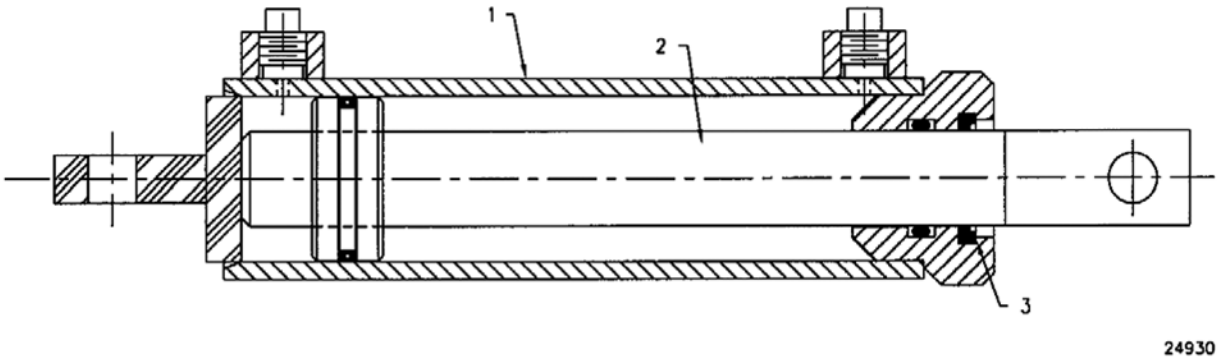


24803 3.5 x 8 Cylinder Assembly

Item	Part Number	Description
1		Tube Weldt
2		Piston Rod 1.5 Dia
3	X2098	Seal Kit
–		Hair Pin Clip #9

F9117 Spout Deflector Cylinder & Hose Kit

Item	Part Number	Description
–		1–3/4" ID x 5" Stroke Cylinder
–	116984	3/8" x 120" Hose C/W Fittings
–		Clevis Pin 1/2 x 1 13/16 Pl
–		Cotter Pin 1/8 x 1.00 Pl



24930 1.75 x 5 Cylinder Assembly

Item	Part Number	Description
1		Tube Weldt
2		Shaft Weldt 1.0 Dia
3	X2669	Seal Kit

F0586 Long PTO Shaft

Item	Part Number	Description
1	936429	Shear Assembly
2	936199	Safety Slide Lock Repair Kit
		(Collar, Spring, Ret. Ring, 2-Pawls)
3	936249	Shear Assembly Repair Kit
		(3/8" x 1/2" Bolt, Lube, Blank, 31-1/4" Balls)
4	908846	Shear Bolt - 3/8" x 1" (Grade 8) (Pack of 10)
5	936197	Repair Kit (Option)
	906548	Extended Life Repair Kit (Std.)
6	907998	Yoke & Tube
7	907991	Nylon Bearing
8	907999	Inner Shield
9	908000	Outer Shield
10	908001	Yoke & Shaft
11	907995	Clamp Yoke
14	936428	Shear Yoke
15	936411	6 Spl Shear Hub

FX9102 Hand Crank Kit

Item	Part Number	Description
50		Hand Crank Weldt
53	965927	3/16" x 100' Cable
11		Nut Hex 1/2 nc Grade 2 pl
10		Washer Lock 1/2 Pl
		Bolt Hex 1/2 nc x 1 3/4 Grade 5 pl

Shipping Kit and Bundle Numbers

Quantity	Bundle Number	Description
YC9620Q-4 96" Allied by Farm King Snowblower w/Hydraulic Chute Control, Standard PTO & 4-Blade Fan		
1	F0625A	Body Assembly
1	F9211	Spout Assembly
1	FX9204	Quick Hitch
1	F0585	Standard PTO
1	FX9107	Hydraulic Chute Control Kit
YC9620QL-4 96" Allied by Farm King Snowblower w/Hydraulic Chute Control, Long PTO & 4-Blade Fan		
1	F0625A	Body Assembly
1	F9211	Spout Assembly
1	FX9204	Quick Hitch
1	F0586	Long PTO
1	FX9107	Hydraulic Chute Control Kit

Optional Bundle Numbers

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

FX9102 – Hand crank Kit
F9116 – Hydraulic Cylinder & Hose Kit for Spout Swivel
F9117 – Spout Deflector Cylinder & Hose Kit
Y902 – Quick Hitch Kit

NOTES:

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