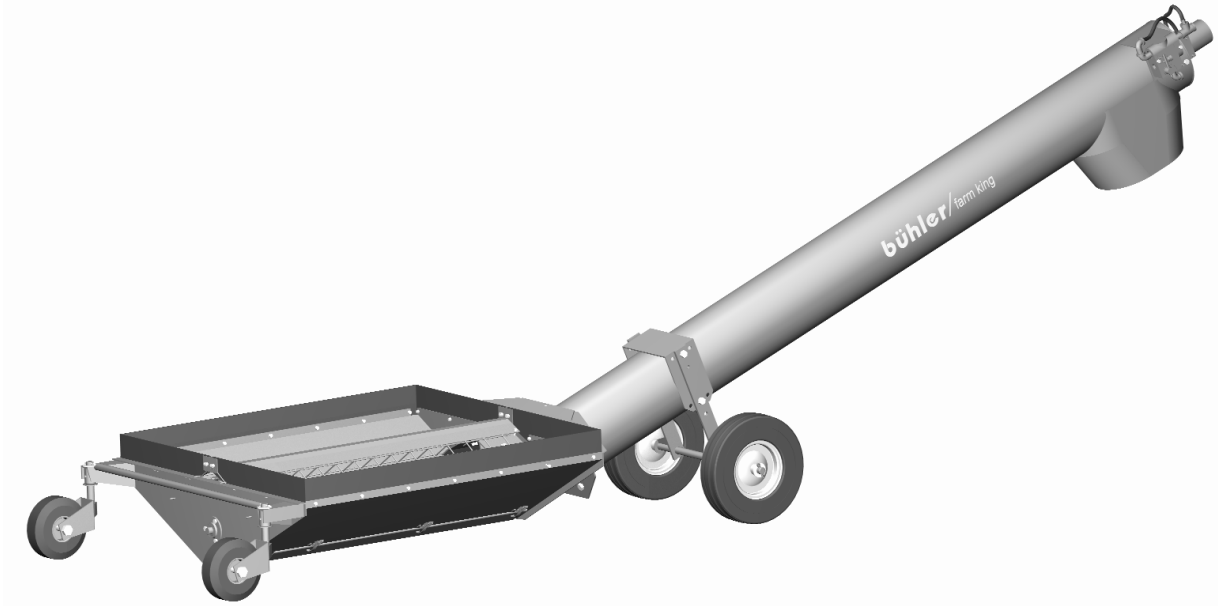
bühler

farm king



8" & 10" Unloading Auger

Operator's and Parts Manual
FK308

2006

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WARRANTY POLICY

Buhler Manufacturing 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 Manufacturing's obligations under this warranty shall be limited to the repair or exchange, at Buhler Manufacturing's option, of any Buhler Manufacturing product or part which proves to be defective as provided. Buhler Manufacturing 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 Manufacturing's factory, nor to goods altered or repaired by anyone other than an authorized Buhler Manufacturing representative.

Buhler Manufacturing 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 Manufacturing 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 Manufacturing 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 Manufacturing. 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:

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

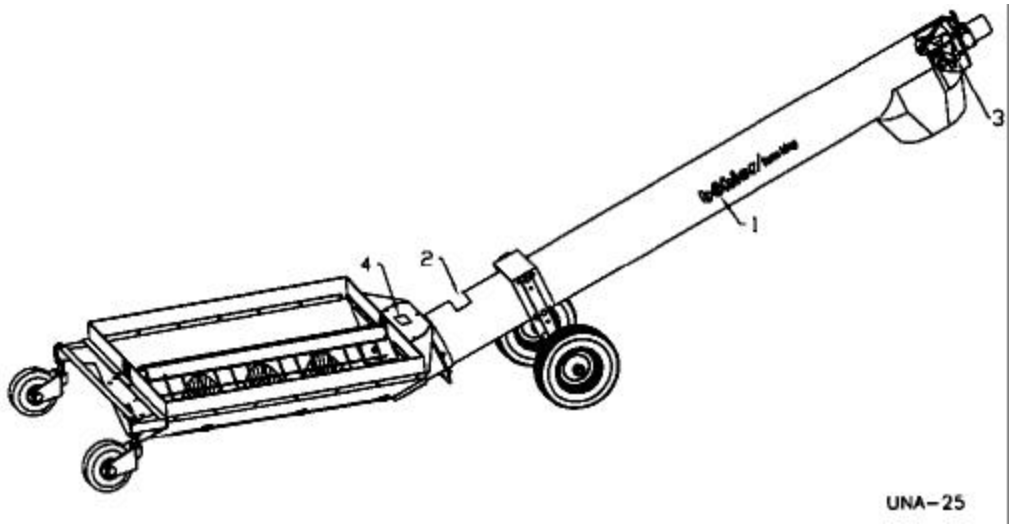
IMPORTANT NOTE: This warranty does not apply to rentals

SAFETY INSTRUCTIONS

1. Read and understand the operator’s manual before operating.
2. Keep all safety shields and devices in place.
3. Make certain everyone is clear before operating or moving machine.
4. Keep hands, feet and clothing away from moving parts.
5. Before attempting to service, adjust, or unclog an auger, disengage drive and shut off engine. In the case of an electric motor, shut off switch and unplug the connection.
6. Disconnect power before resetting motor overload.
7. Make certain electric motors are grounded.
8. Check hydraulics regularly for leaks.

8'' & 10'' UNLOADING AUGER SAFETY SIGNS

ITEM	PART #	DESCRIPTION
1	902670	Safety Sign - "buhler/farm king" 3.13 x 18.25"
2	961016	Safety Sign - "DANGER KEEP HANDS…"
3	105420	Serial No.
4	961015	"Important - RUN AUGER PARTIALLY…"



OPERATING INSTRUCTIONS

When operating an auger for the first time when new, or at the beginning of a season, run only partially full until flighting becomes polished. Also check the spout and hopper for bird nests or other obstructions before starting the auger.

The set screws in the universal joint joining the hopper and tube flighting must be checked regularly and tightened if necessary. The brass bushing in the bushing holder inside the hopper is another part that should be checked regularly and replaced if necessary.

To check or service the universal joint or the brass bushing holder, remove the cover at the front of the hopper.

Hydraulic Unloading Auger:

Approximate hydraulic requirements are:

12 gallons per minute pump capacity
1200-1400 psi hydraulic pressure

Auger rpm and capacity are adjusted using the flow control valve.

Motor Drive Unloading Auger:

Power requirement is from 3 to 5 horsepower electric motor 1725 rpm. Use the 12 inch double pulley supplied on the auger. The 3 ½” double pulley with b-grooves and two B-54 V-belts must be supplied by the customer. A 3 horsepower should be sufficient for the 8”.

Both kinds of unloading auger have wheel stands with adjustable height. Specifications are given on a chart included in the manual.

MAINTENANCE AND STORAGE

Lubricate the universal joint about every five hours and check to see that the set screws in the universal joint are tight.

Clean the auger thoroughly after using as dirt draws moisture and causes metal to rust. Store in a dry place if possible.

Remove belts and store in a cool dry place if auger is to be left outdoors.

At this time check all parts for wear and order replacement parts from your nearest dealer.

When taking the auger out of storage, check inlet and outlet ends for obstructions and check all bolts and set screws before using the auger.

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

ASSEMBLY INSTRUCTIONS

1. Bolt the hopper and tube together using six ½” x 1 ¼” hex bolts, lock washers, and hex nuts on the 10”. Use 3/8" x 1" hex bolts on the 8”.

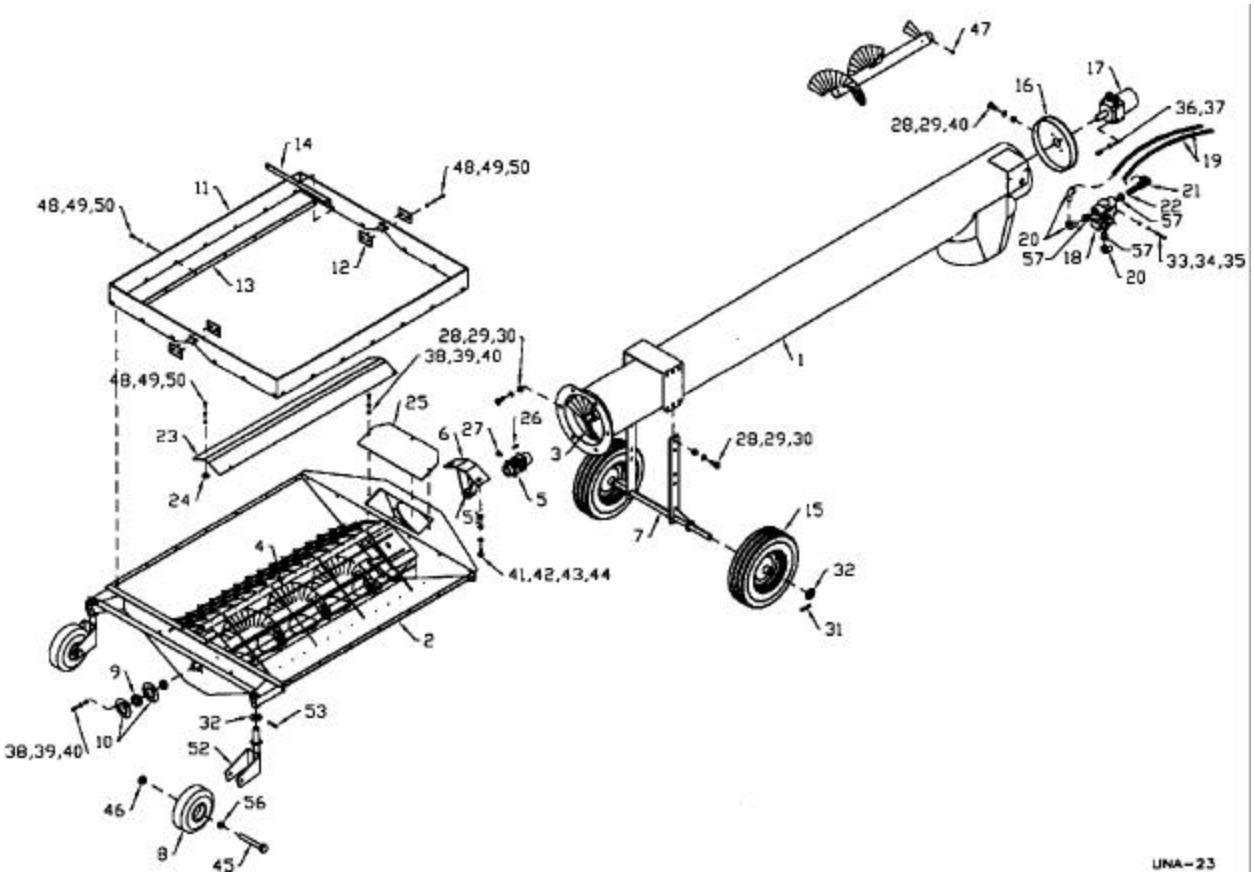
2. Bolt the stand to the tube using four ½” x 1 ¼” hex bolts, lockwashers, and hex nuts. The stands have a high and low position (see chart).

3. Bolt the rubber strips around the hopper using the metal strips and plates supplied. Use ¼” x ¾” hex bolts, lockwashers, and hex nuts.

4. **Hydraulic only** – attach the two ½” x 18” hydraulic hoses from the valve to the hydraulic motor.

5. **Motor Drive only** -
   - Assemble motor mount using ¾” nuts.
   - Mount 12" pulley on flighting and 3 ½” pulley on motor. Use a 1725 rpm motor with 3 to 5hp and a B-54 V-belt.
   - Mount belt guard using ¼” x 1" hex bolts and ¼” hex nuts.

8” & 10” HYDRAULIC UNLOADING AUGER



WHEN ORDERING PARTS

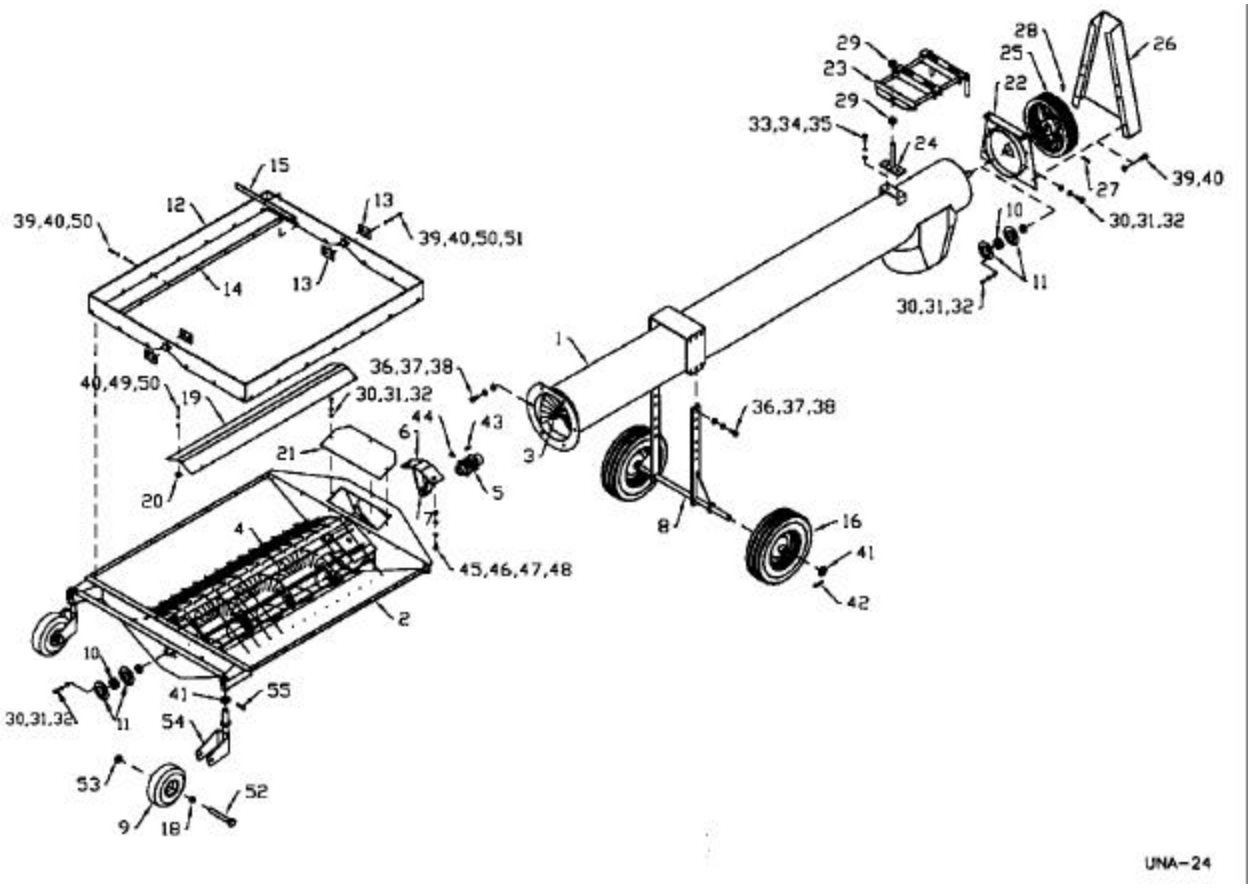
Always give your dealer the Model, Color and Serial Number of your machine to assist him in ordering and obtaining the correct parts. Use the exploded view and tabular listing of the area of interest to exactly identify the required part.

8'' & 10'' HYDRAULIC UNLOADING AUGER

ITEM	PART #	DESCRIPTION
1	960184	Tube Weldment (8'')
	960448	Tube Weldment (10'')
2	960325	Hopper Weldment (8'')
	960440	Hopper Weldment (10'')
3	960270	Tube Flighting (8'')
	960442	Tube Flighting (10'')
4	960268	Hopper Flighting (8'')
	960233	Hopper Flighting (10'')
5	960241	Universal Joint (1140)
6	960326	Bushing Holder w/ Bushing
7	960185	Axle Assembly (8'')
	960450	Axle Assembly (10'')
8	960048	2 1/2'' x 8'' Wheel
9	961627	1'' Bearing
10	973511	1'' Bearing Flange Set
11	960153	Hopper Rubber Edging (4'' x 90'')
12	960154	Rubber Connector Plate (2'' x 3'')
13	960155	Side Rubber Reinforcement (1'' x 45 1/2'')
14	960156	End Rubber Reinforcement (1'' x 16'')
15	973613	8'' x 2.5'' Wheel W/ Tire
	973655	Wheel Only (8'' x 2.5'')
	973656	Tire W/ Tube (4.80/4.00-8)
16	960186	Hydraulic End Plate (8'')
	960320	Hydraulic End Plate (10'')
17	908432	Hydraulic Motor (103-1614) (3/8'' Geroler) - 8''
	907344	Hydraulic Motor (103-1003) (1/2'' Geroler) - 10''
18	960050	Flow Control Valve W/ Bushing
19	964645	1/2'' x 18'' Hyd. Hose (One Swivel End) (Bolt Ends 1/2'' NPT)
20	964738	1/2'' x 90 Deg. Street Elbow
21	964740	1/2'' x 1/2'' x 1/2'' Tee
22	960051	1/2'' Close Nipple

23	960238	Splash Guard
24	960239	Splash Guard Clips
25	960237	Box Cover 6 3/4" x 14 1/4" - 8" Una
	908344	Box Cover 6 1/2" x 16" - 10" Una
26		1/4" Sq. x 1 1/2" Key
27	9812378	3/8" x 3/4" Sq. Hd. Set Screw (SER)
28	81620	1/2" x 1 1/4" Hex Bolt
29	81637	1/2" Lock Washer
30	81636	1/2" Hex Nut
31	9812433	3/16" x 1 1/2" Cotter Pin
32	84522	1" I.D. Flat Washer (S.A.E.)
33	9812350	1/4" x 2 1/4" Hex Bolt
34	81545	1/4" Lock Washer
35	81544	1/4" Hex Nut
36	84072	3/8" x 3/4" Hex Bolt
37	81593	3/8" Lock Washer
38	81549	5/16" x 3/4" Hex Bolt
39	81569	5/16" Lock Washer
40	81568	5/16" Hex Nut
41	81597	7/16" x 1" Hex Bolt
42	84041	7/16" S.A.E. Flat Washer
43	81615	7/16" Lock Washer
44	81614	7/16" Hex Nut
45	81671	5/8" x 4" Hex Bolt
46	812482	5/8" Lock Nut
47	985639	3/8"Dia. X 1/2" Socket Set Screw
48	81525	1/4" x 3/4" Hex Bolt
49	81545	1/4" Lock Washer
50	81544	1/4" Hex Nut
51	960461	Brass Bushing Only
52	960236	Wheel Bracket
53	9812426	1/4" x 1 3/4" Roll Pin
54	86170	3/8" x 1" Hex Bolt
55	81592	3/8" Hex Nut
56	960400	Wheel Bearing Only
57	967158	3/4" --> 1/2" Reducer Bushings

8” & 10” ELECTRIC MOTOR DRIVE UNLOADING AUGER



8'' & 10'' ELECTRIC MOTOR DRIVE UNLOADING AUGER

ITEM	PART #	DESCRIPTION
1	960187	Tube Weldment (8'')
	960462	Tube Weldment (10'')
2	960325	Hopper Weldment (8'')
	960440	Hopper Weldment (10'')
3	960188	Tube Flighting (8'')
	960463	Tube Flighting (10'')
4	960268	Hopper Flighting (8'')
	960233	Hopper Flighting (10'')
5	960241	Universal Joint (1140)
6	960326	Bushing Holder W/ Bushing
7	960461	Bushing Only
8	960189	Axle Assembly (8'')
	960316	Axle Assembly (10'')
9	960048	2 1/2'' x 8'' Wheel
10	961627	1'' Bearing
11	973511	1'' Bearing Flange Set
12	960153	Hopper Rubber Edging (4'' x 90'')
13	960154	Rubber Connector Plate (2'' x 3'')
14	960155	Side Rubber Reinforced (1'' x 45 1/2'')
15	960156	End Rubber Reinforced (1'' x 16'')
16	973613	8'' x 2.5'' Wheel W/ Tire
17	986170	3/8'' x 1'' Hex Bolt
18	960400	Wheel Bearing Only
19	960238	Splash Guard
20	960239	Splash Guard Clips
21	960237	Box Cover 6 3/4'' x 14 1/4'' - 8'' Una
	908344	Box Cover 6 1/2'' x 16'' - 10'' Una
22	960190	Motor Drive End Plate (8'')
	960321	Motor Drive End Plate (10'')
23	963707	Motor Mount Assembly
24	960464	Motor Mount Support
25	961567	12'' Double Pulley
26	F1307	Belt Guard
27		1/4'' Sq. x 2'' Key
28	81213	3/8'' x 1'' Sq. Hd. Set Screw
29	81700	3/4'' Hex Nut
30	81549	5/16'' x 3/4'' Hex Bolt
31	81569	5/16'' Lock Washer

32	81568	5/16" Hex Nut
33	86171	3/8" x 1 1/4" Hex Bolt
34	81593	3/8" Lock Washer
35	81592	3/8" Hex Nut
36	81620	1/2" x 1 1/4" Hex Bolt
37	81637	1/2" Lock Washer
38	81636	1/2" Hex Nut
39	81527	1/4" x 1" Hex Bolt
40	81544	1/4" Hex Nut
41	84522	1" I.D. Flat Washer (S.A.E.)
42	9812433	3/16" x 1 1/2" Cotter Pin
43	963026	1/4" Sq. x 1 1/2" Key
44	9812378	3/8" x 3/4" Sq. Hd. Set Screw (SER)
45	81598	7/16" x 1 1/4" Hex Bolt
46	84041	7/16" S.A.E. Flat Washer
47	81615	7/16" Lock Washer
48	81614	7/16" Hex Nut
49	81525	1/4" x 3/4" Hex Bolt
50	81545	1/4" Lock Washer
51	81546	1/4" B.S. Flat Washer
52	81671	5/8" x 4" Hex Bolt
53	812482	5/8" Lock Nut
54	960236	Wheel Bracket
55	9812426	1/4" x 1 3/4" Roll Pin

8" UNLOADING AUGER SHIPPING BUNDLES

Hydraulic Unloading Auger Y810H

Quantity Required	Bundle Number	Description
1	F1050	8" x 9' Auger Tube
1	F1051	Carton of Parts
1	F1052	Axle Assembly
1	F7338	Hopper Assembly

Motor Drive Unloading Auger Y810E

1	F1053	8" x 9' Auger Tube
1	F1054	Carton of Parts
1	F1055	Axle Assembly
1	F1307	Belt Guard
1	F7338	Hopper Assembly

10" UNLOADING AUGER SHIPPING BUNDLES

Hydraulic Unloading Auger Y1010H

1	F1011	10" x 9' Auger Tube
1	F9041	Hopper Assembly
1	F1013	Carton of Parts
1	F1014	Axle Assembly

Motor Drive Unloading Auger Y1010E

1	F1015	10" x 9' Auger Tube
1	F9041	Hopper Assembly
1	F1016	Carton of Parts
1	F1017	Axle Assembly
1	F1307	Belt Guard

DIVISION LOCATIONS

Farm King Division
301 Mountain Street S.
Morden, MB R6M 1X7
Ph.: (204) 822-4467
Fax: (204) 822-6348

Allied Division
1201 Regent Ave. W.
Box 1003
Winnipeg, MB R2C 3B2
Ph.: (204) 661-8711
Fax: (204) 654-2503

Inland Division
675 Washington Ave.
Winnipeg, MB R2K 1M4
Ph: (204) 667-7854
Fax: (204) 669-2599

B.I.I. Division
1330 43rd Street N.W.
Fargo, ND 58102
Ph: (701) 282-7014
Fax: (701) 282-5865

U.S. WAREHOUSES

AR, West Memphis
(870) 732-3132

GA, Stone Mountain
(770) 908-9439

IA, Lakeview
(712) 657-8585

ID, Meridian
(208) 887-6006

IN, Clarksville
(812) 284-3376

KS, Wichita
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MN, Lakeville
(952) 469-5267

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ON, Woodstock
(519) 539-0435

ON, Jasper
(613) 283-1758

QC, Dorion
(450) 455-4840

OFFSHORE WAREHOUSES

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Katanning
W. Australia
011-618-98-214422

Chihuahua, Mexico
011-52-158-90306

John Kerr Equipment Ltd.
Wilcoxholm Farm
Linlithgow, W. Lothian
Scotland
011-441-506-842280

Skovde, Sweden
011-46-500-452651

Naestved, Denmark
011-45-557-29511

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