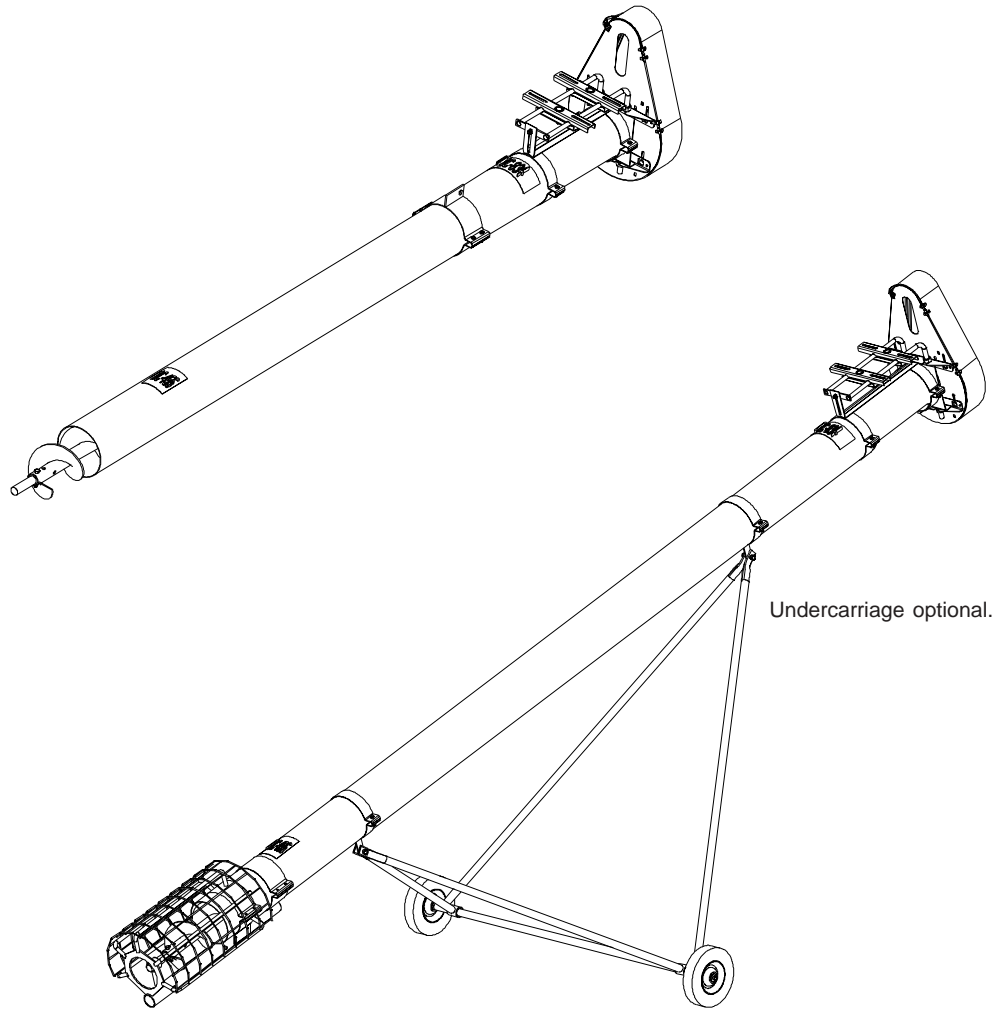


PNEG-197
06-29-01
Revision No. 2

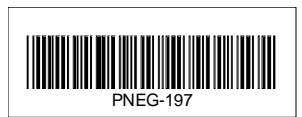
6" Utility & Bulk Tank Augers

Assembly & Operation Manual



PNEG-197
06-25-01
Revision No. 2

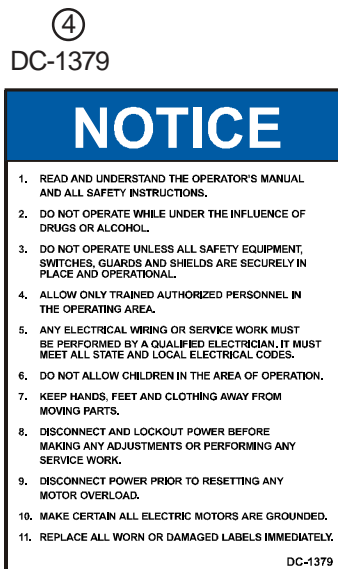
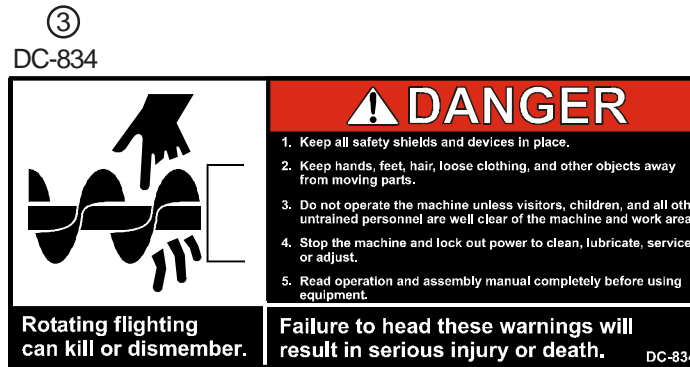
6" Utility & Bulk Tank Augers



SAFETY DECALS

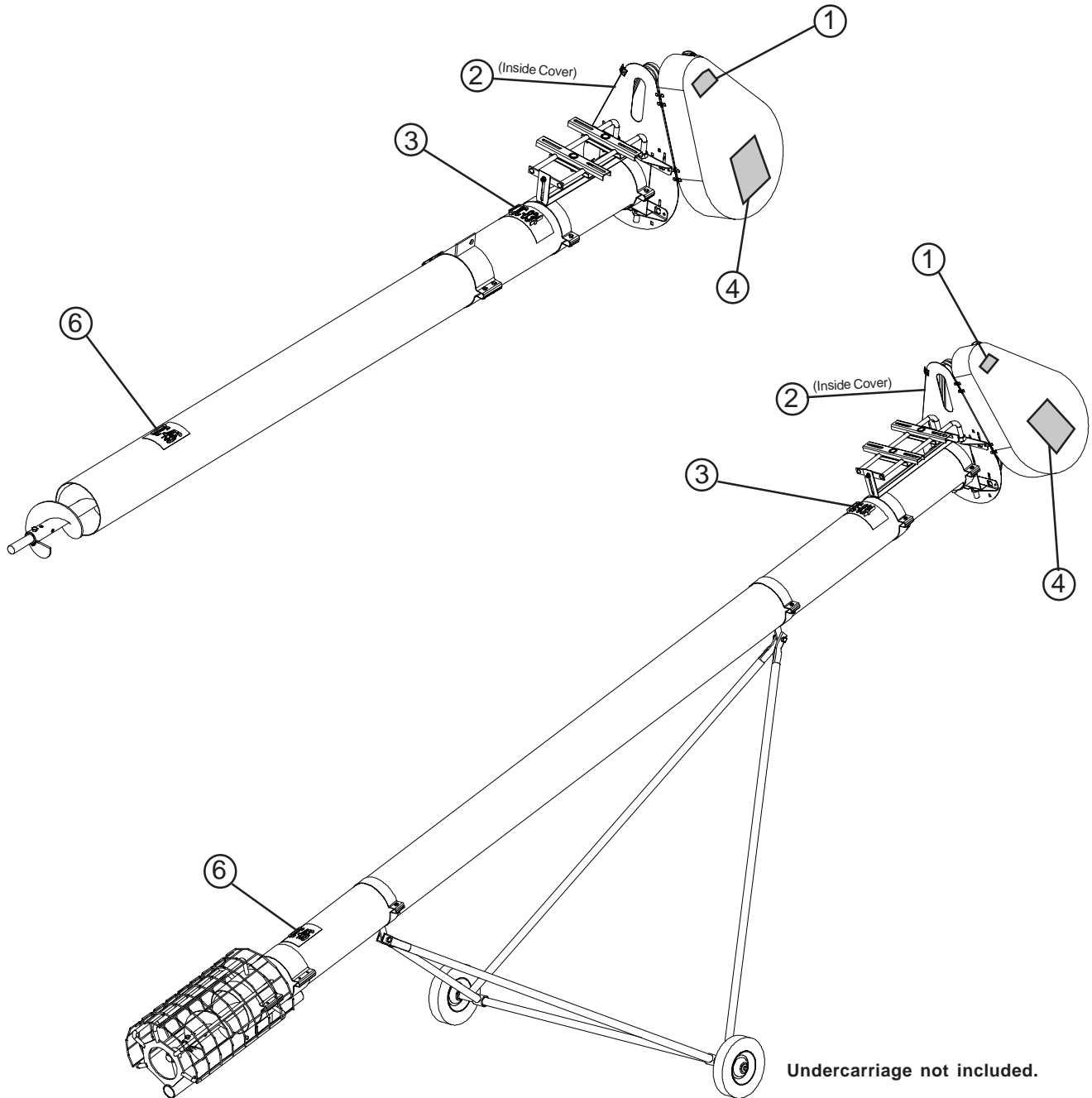
The Decal List below has all the safety decals that should be included with your equipment. The following pages show what the decals look like and where they should be located on the equipment. Inspect all decals and replace any that are illegible, worn, or missing. Contact your local dealer or the manufacturer to order replacement decals free of charge.

6" Utility & Bulk Tank Auger Decal List			
Ref. #	Part #	Description	Size
1	DC-995	Warning - Shear Point	4-1/2" x 2"
2	DC-994	Danger - Shear Point	4-1/2" x 2"
3	DC-834	Danger - Unloading	9" x 3-3/4"
4	DC-1379	Notice - 1 -11	5-1/8" x 7-3/8"
5	DC-1395	Danger - Rotating Flight	4-1/4" x 6-1/4"
6	DC-455	Danger - Rotating Flight	4" x 5-3/4"



SAFETY DECALS

A. The images below show the location of the decals and safety signs which should appear on the Utility and Bulk Tank Augers.



NOTE

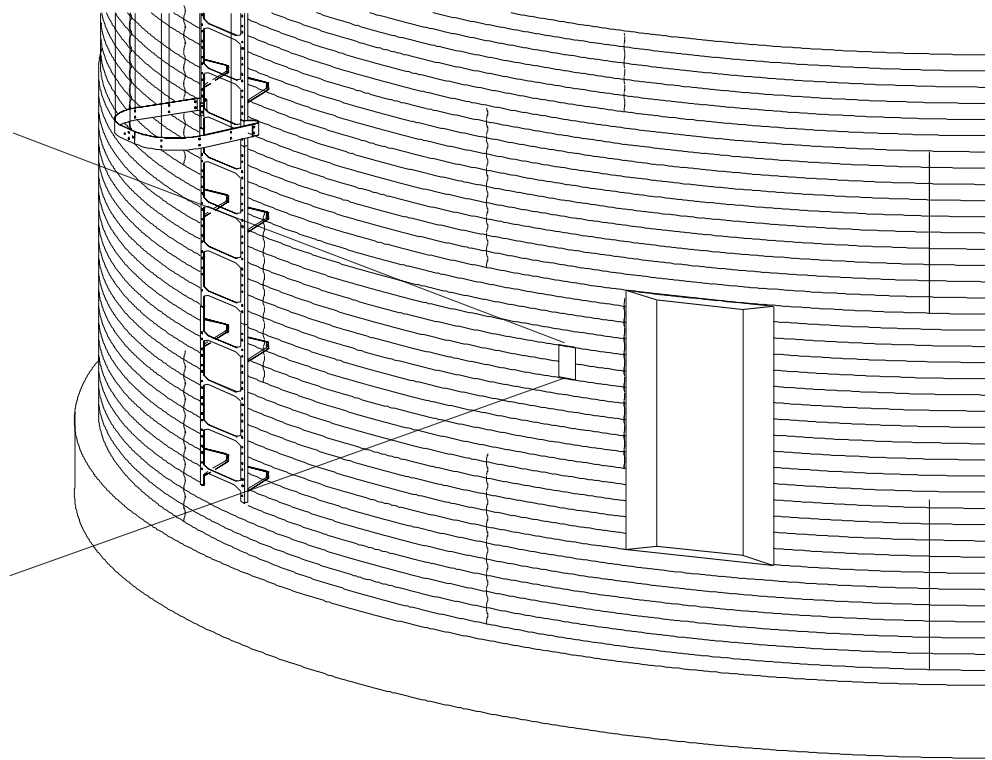
Please remember safety signs provide important safety information for people working near bin unloading equipment that is in operation. Any safety signs that are worn, missing, illegible or painted over should be replaced immediately. Obtain **FREE** replacements by contacting your dealer.

SAFETY DECALS

- A. DANGER Sign No. DC-1395 was supplied with your bin unloading equipment. This safety sign should be applied to the side of the bin near the bin opening, so it will be viewed by people entering into the bin storage building. Do not cover any safety signs or any other signs that are already there.
- B. If the safety sign location suggested is not in full view because of equipment modifications, other equipment in the area, or any reason, then locate the safety sign in a more suitable location.
- C. Be certain the surface is clean, dry and free of dirt and oil. Peel paper backing from decals and stick into place. The adhesive backing will bond on contact.

NOTE Please remember, safety signs provide important safety information for people working near bin unloading equipment that is in operation.

DC-1395



WARNING If the Safety Sign cannot be easily read for any reason or has been painted over, replace it immediately. Additional Safety Signs may be obtained *free of charge* from your dealer, distributor, or ordered from the factory.

Order SAFETY SIGN NO. DC-1395

1. General Information

- A. We reserve the right to improve our product whenever possible and practical to do so. We reserve the right to change, improve, and modify products at any time without obligation to make changes, improvements, and modifications on equipment sold previously.
- B. The 6" Utility and Bulk Tank Augers have been designed and manufactured to give years of dependable service. The care and maintenance of this machine will affect the satisfaction and service obtained. By observing the instructions and suggestions we have recommended, the owner should receive competent service for many years. If additional information or assistance should be required, please contact the factory or your local dealer.

C. Receiving Merchandise and Filing Claims

- When receiving merchandise, it is important to check both the quantity of parts and their descriptions with the packing list enclosed within each package. All claims for freight damage or shortage must be made by the consignee within ten (10) days from the date of the occurrence of freight damage. The consignee should accept the shipment after noting the damage or loss.

2. Capacity

- A. The capacities may vary greatly under varying conditions. The following factors play a role in the performance of the auger:
- Speed
 - Angle of operation
 - Moisture content
 - Amounts of foreign matter
 - Different materials
 - Methods of feeding
- B. For example, a twenty-five percent (25%) moisture could cut capacity by as much as 40% under some conditions.

3. Specifications

6" Utility Augers

- 16 Gauge Housing
- 1.25" Flight Shaft
- 10 Gauge Flight
- 12" OD, 1 or 2 Belt, 1" Bore Sheave
- Optional 6" Utility Undercarriage (GUF60000) for one piece up to 33'
- Available lengths: 11', 16', 21', 27', 33', 41' (21' Dis. w/20' Ext.)
- Available Extensions: 5', 10', 15', 20'
- Horsepower Requirements: 11' (.75 HP), 16' (1 HP), 21' (2 HP), 27' (3 HP), 33' (5 HP), 41' (5 HP)
- Utility Guard Included

6" Bulk Tank Augers

- 16 Gauge Housing
- 1.25" Flight Shaft
- 10 Gauge Flight
- 12" OD, 1 or 2 Belt, 1" Bore Sheave
- Available lengths: 11', 16', 21', 27', 33', 41' (21' Dis. w/20' Ext.)
- Available Extensions: 5', 10', 15', 20'
- Horsepower Requirements: 11' (.75 HP), 16' (1 HP), 21' (2 HP), 27' (3 HP), 33' (5 HP), 41' (5 HP)
- Auger Support Band Included

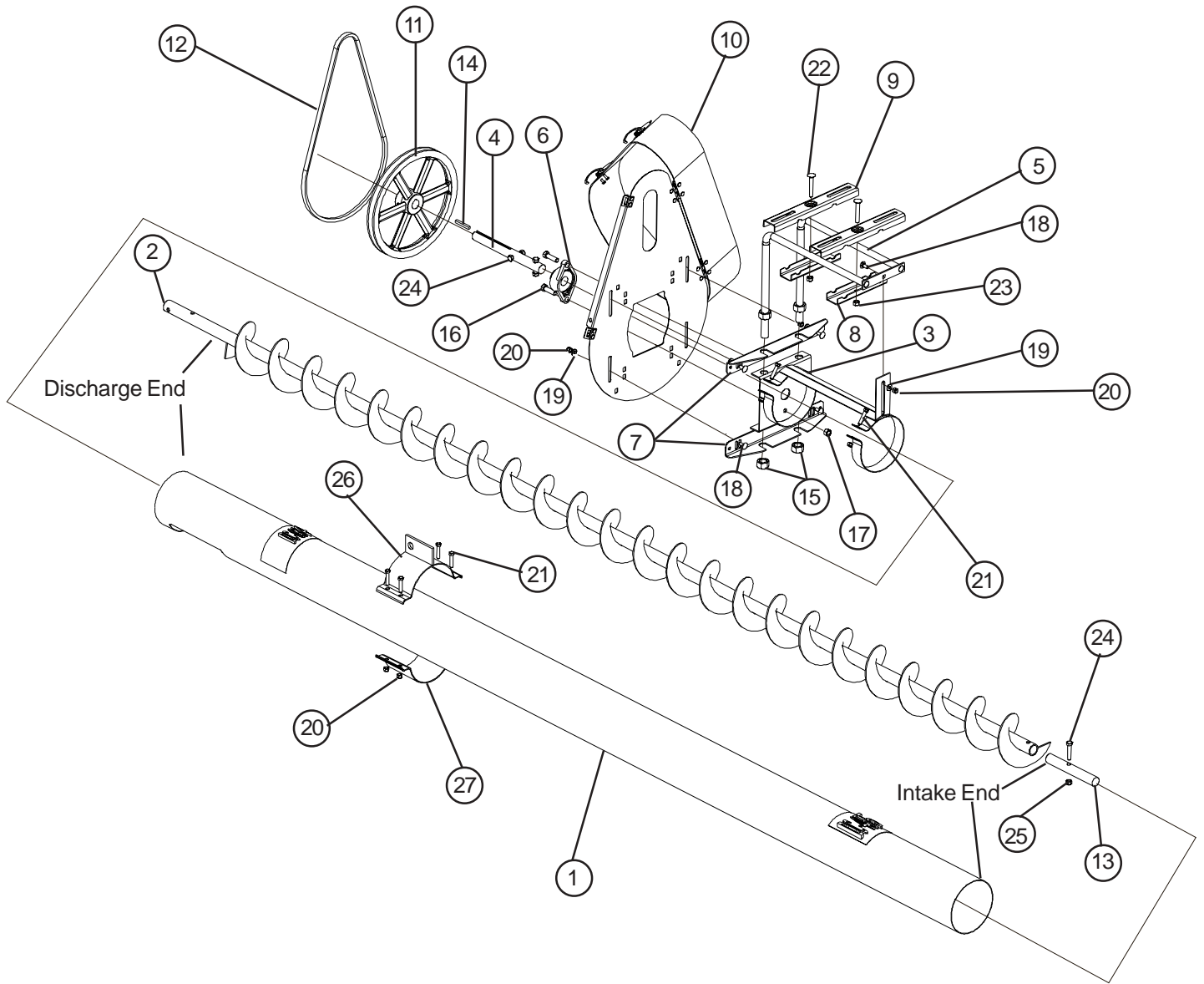
BULK TANK AUGER ASSEMBLY

- A. Screw one 3/4" hex nut (15) to the top of each motor mount rod (5).
- B. Slide the motor mount rods (5) through the head plate assembly (3).
- C. Line up slot on the plate end of the motor mount rods (5) with the slot on the head plate assembly (3). Fasten them together using 5/16" x 3/4" carriage bolt (18), a flat washer (19), and a nylock nut (20).
- D. Attach a 3/4" hex nut (15) onto the bottom of each motor mount rod (5). Tighten until nut rests against the head plate assembly (3). Adjust top 3/4" hex nuts (15) down until they rests against the top of the head plate assembly (3).
- E. Connect the two-hole flange bearing (6) to head plate assembly (3) using two 7/16" x 1-1/4" bolts (16) with stover nuts (17).
- F. Loosen the top and bottom 3/4" nuts (15) on the motor mount rods (5) to allow the belt guard mounting angles (7) to slide onto the motor mount rods (5). Once the angles are in place tighten nuts to keep mounting angles (7) in position.
- G. Connect head drive stub shaft (4) to flight (2) using two 3/8" x 1-3/4" (grade 5) bolts (24) with stover nuts.
- H. Slide head plate assembly (3) over discharge end of tube (1) and tighten the clamps using two (2) 5/16" x 1-1/2" (21) bolts and nylock nuts (22).
- I. Fasten belt guard (10) to mounting angles (7) using four 5/16" x 3/4" carriage bolts (18) with flat washers (19), and nylock nuts (20). **Do Not Fully Tighten.**
- J. Slide discharge end of flighting (2) into the intake end of the tube (1)
- K. Place head drive stub shaft (4) through head bearing with enough extended to mount pulley (11) with key (14). Tighten lock collar on bearing and tighten setscrews in pulley.
- L. Place the top motor mount clips (9) on top of the motor mount rods (5). Place the bottom motor mount clips (8) directly underneath the top motor mount clips (9) and attach each pair together using two 3/8" x 2-1/2" carriage bolts (22) and 3/8" hex nuts (23). **Do not fully tighten so you can adjust them to the motor.**
- M. Attach the motor to the drive unit making sure that the motor is parallel with the auger housing. Use carriage bolts, flatwashers, lock washers, and nuts. Install the motor pulley to the motor. Align the motor pulley and driven pulley by sliding the motor mount clips along the motor mount rods. Tighten the motor mount clips.

NOTE**The motor, motor pulley, and motor hardware are not supplied.**

- N. Install the belt(s) over the pulleys. Belt tension can be fixed by adjusting the height of the motor by turning the 3/4" nuts (15) on the threaded rods.
- O. Close door on belt guard and latch.
- P. Place the truss support (26) on the top side of the auger tube (1) and attach using a halfband with four (4) 5/16" x 1-1/2" hex head capscrews (21) and four (4) locknuts.

BULK TANK AUGER ASSEMBLY



⚠ DANGER Lock out all power sources while installing or maintaining equipment.

⚠ DANGER Keep all safety devices and shields in place at all times until power source is locked out.

UTILITY AUGER ASSEMBLY

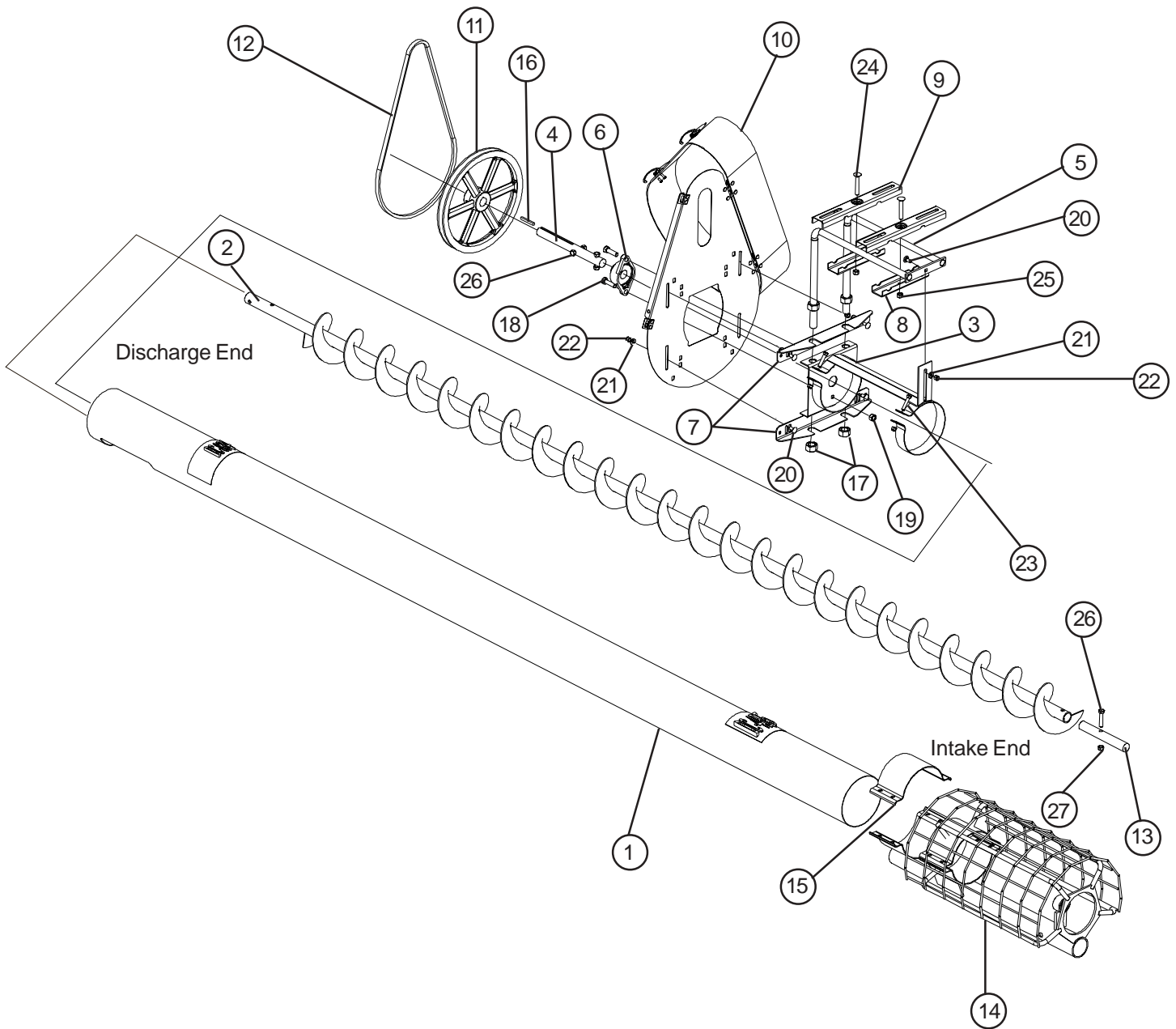
1. 6" Utility Tank Auger Assembly

- A. Screw one 3/4" hex head nut (17) to the top of each motor mount rod (5).
- B. Slide the motor mount rods (5) through the head plate assembly (3).
- C. Line up slot on the plate end of the motor mount rods (5) with the slot on the head plate assembly (3). Fasten them together using 5/16" x 3/4" carriage bolt (20), a flat washer (21), and a locknut (22).
- D. Attach a 3/4" hex head nut (17) onto the bottom of each motor mount rod (5). Tighten until nut rests against the head plate assembly (3).
- E. Adjust top 3/4" hex head nuts (17) down until they rests against the top of the head plate assembly (3).
- F. Connect the two-hole flange bearing (6) to head plate assembly (3) using two 7/16" x 1-1/2" bolts (18) with stover nuts (19).
- G. Loosen the top and bottom nuts on the motor mount rods (5) to allow the belt guard mounting angles (7) to slide onto the motor mount rods (5). Once the angles are in place tighten nuts to keep mounting angles (7) in position.
- H. Connect head drive stub shaft (4) to flight (2) using two 3/8" x 1-3/4" (grade 5) bolts (26) with locknuts.
- I. Slide head plate assembly (3) over discharge end of tube (1) and tighten the clamps using two (2) 5/16" x 1-1/2" (23) bolts with nuts.
- J. Fasten belt guard (10) to mounting angles (7) using four 5/16" x 3/4" carriage bolts (20) with flat washers (21), and nylock nuts (22).

NOTE**Leave carriage bolts loose until later.**

- K. Slide discharge end of flighting (2) into the intake end of the tube (1)
- L. Place head drive stub shaft (4) through head bearing with enough extended to mount pulley (11) with key (16). Tighten lock collar on bearing and tighten setscrews in pulley.
- M. Install the top (9) and bottom (8) clamps onto the motor mount rods (5) using two 3/8" x 2-1/4" carriage bolts (22) and 3/8" hex nut (23).
- N. Install motor and pulley onto motor mount. (**Motor and pulley are not included.**) Install belts (12) and tighten by adjusting motor height by using the four 3/4" nuts (17) on the motor mount rods (5).
- O. Close door on belt guard and latch.
- P. Slide intake guard (14) onto tubing (1) until the intake stub (13) slides through the bushing on the intake guard (14). Attach the intake guard (14) to the tube using four halfbands and eight 5/16" x 1/2" hex head capscrews and eight locknuts.

UTILITY AUGER ASSEMBLY



▲ DANGER Lock out all power sources while installing or maintaining equipment.

▲ DANGER Keep all safety devices and shields in place at all times until power source is locked out.

1. Utility Augers Only

- A. Utility Augers are primarily designed as portable units. These augers are not designed for permanent installations. A utility auger has many different uses. Since it is not sold with an undercarriage or other method of support, it must be supported by the user satisfactorily for the specific job. Always be sure to fasten the discharge and intake end in place so the auger will stay in place throughout operation.

2. Bulk Tank Augers

- A. Bulk Tank Augers are designed for use in bulk tank unloading augers only. These units are not furnished with intake guards. **THEY ARE TO BE USED ONLY IN A BULK TANK.** If removed with the intention of using as a utility auger, an intake guard is required, order from parts page, and install prior to use.

⚠ DANGER

If you remove a bulk tank auger with the intention of using it as a utility auger, an intake guard is required, order one from parts page and install prior to use.

- B. Since it is not sold with an undercarriage or other method of support, it must be supported by the user satisfactorily for the specific job. Always be sure to fasten the discharge and intake end in place so the auger will stay in place throughout operation.

3. Horsepower Information for Electric Motors

- A. Horsepower recommendations are for augering reasonably dry grain at different angles. Grain with 15% moisture and above may require more horsepower if maximum capacity is to be maintained. Use a 2.5" to 3.0" motor pulley for a recommended auger speed of 550 to 650 R.P.M. Motor pulley not furnished. Excessive wear will result if auger speed is in excess of 700 R.P.M. and auger load up will occur if auger speed is less than 500 R.P.M. or flow gate is required.
- B. Auger speeds in excess of 750 R.P.M. should be avoided as excessive wear will result. Auger speed below 450 R.P.M. require a flow control to restrict intake to the auger. High torque is required to turn the flighting if it is permitted to "load up" at low speed and damage to the auger can result. An optional control gate is available for this purpose.

This Chart is a suggested horsepower requirement for standard 6" Utility and Bulk Tank Augers.

6" Horsepower Chart						
LENGTH:	11'	16'	21'	27'	33'	41'
MOTOR H.P.	3/4	1	2	3	5	5

⚠ WARNING

Electrical controls and wiring should be installed by a qualified electrician. The motor disconnect switches and conductor cables should comply with the National Electrical Code and any local codes which apply. Motor starting control stations should be so located that the operator can see that all personnel are clear of the equipment.

3. Power Source

- A. Use electric motors that operate at 1750 R.P.M.
- B. Electric motors and controls should be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes.
- C. A magnetic starter should be used to protect your motor when starting and stopping. It should stop the motor in case of power interruption, conductor fault, low voltage, circuit interruption, or motor overload. Then the motor must be restarted manually. Some motors have built-in thermal overload protection. If this type motor is used, use only those with a manual reset.

▲ WARNING

A Main Power Disconnect Switch capable of being locked only in the OFF position shall be provided This shall be locked whenever work is being done on the auger.

CAUTION

Disconnect power before resetting motor overloads.

▲ WARNING

Make sure all electrical motors are grounded.

▲ WARNING

Reset and motor starting and stopping controls must be located so that the operator has full view of the entire operation.

▲ DANGER

Shut off power to adjust , service, or clean the machinery.

▲ DANGER

Keep all safety guards and shields in place.

4. Maintenance

- A. The flange bearings on the head and tail ends of all units should be lubricated on frequent intervals.

▲ DANGER

Never clean, adjust, or lubricate a machine that is in operation.

1. Start-up and Break-In

▲ DANGER

ALWAYS keep ALL guards and shields in place, until all the power is disconnected and locked out.

- A. Make sure all belts are tensioned properly.
- B. Make sure ALL shields are in place and that the belt(s) and pulley(s) are able to move freely.
- C. Double check the assembly instructions to see that all parts have been assembled properly.
- D. During operation of equipment, one person should be in a position to monitor the entire operation.

NOTE

During the initial start-up and break-in period, the operator should note any unusual vibrations or noises and take the appropriate action.

▲ WARNING

Make certain everyone is clear before operating or moving the machine.

- E. The bin well inside the bin should have a control gate. The gate should be closed before start-up and closed before shutdown to allow the machine to clean out.
- F. The controls for the control gate should either pull or push open, depending on the type of well you have. Use the control gate to regulate a flow of less than full capacity until several hundred bushels of grain have been augered to polish the flighting assembly and tube.
- G. Any new screw conveyor or one that has set idle for a season should go through a "break-in" period. This "break-in" consists of running the auger at half capacity until the screw becomes polished and smooth before attempting to run at full capacity. It is recommended that several hundred bushels of grain be augered at partial capacity.

CAUTION

Failure of your auger is very likely to occur if it is run at full capacity before the screw has become polished.

CAUTION

NEVER operate augers empty for any length of time as excessive wear will result.

- H. Do not stop or start augers under load, especially before the flight and tube become well polished, as this may cause the auger to "lockup".

CAUTION

Excessive wear will result if auger is run at speeds in excess of what is recommended.

- I. Do not run auger at too slow speed, this will load up or over load the auger. An loading up of the auger will cause the motor to over load and a higher torque will be required to turn the auger, which in turn may cause damage to the auger.

1. Normal Shutdown

- A. Make certain unloading tubes are empty before stopping the unit.
- B. Disconnect and lockout the power source before leaving the work area.

2. Emergency Shutdown

- A. Know how to shut down the auger in case of an emergency.
- B. Disconnect and lockout the power source.
- C. Close bin well control gates.
- D. Clear out as much grain from the auger and hopper as you can.

CAUTION

Never restart when under a full load. Starting unit under load may result in damage to the machine. Such damage is considered abuse of the equipment.

- E. Reconnect and unlock the power source.
- F. Gradually clear the auger until there is no grain or obstructions.

3. Lockout

- A. Always stop and disconnect the power source whenever the operator must leave the work area or for maintenance of the machinery.
- B. Make sure equipment is locked out and that the machinery cannot be started while the operator is not in the work area.

⚠ WARNING

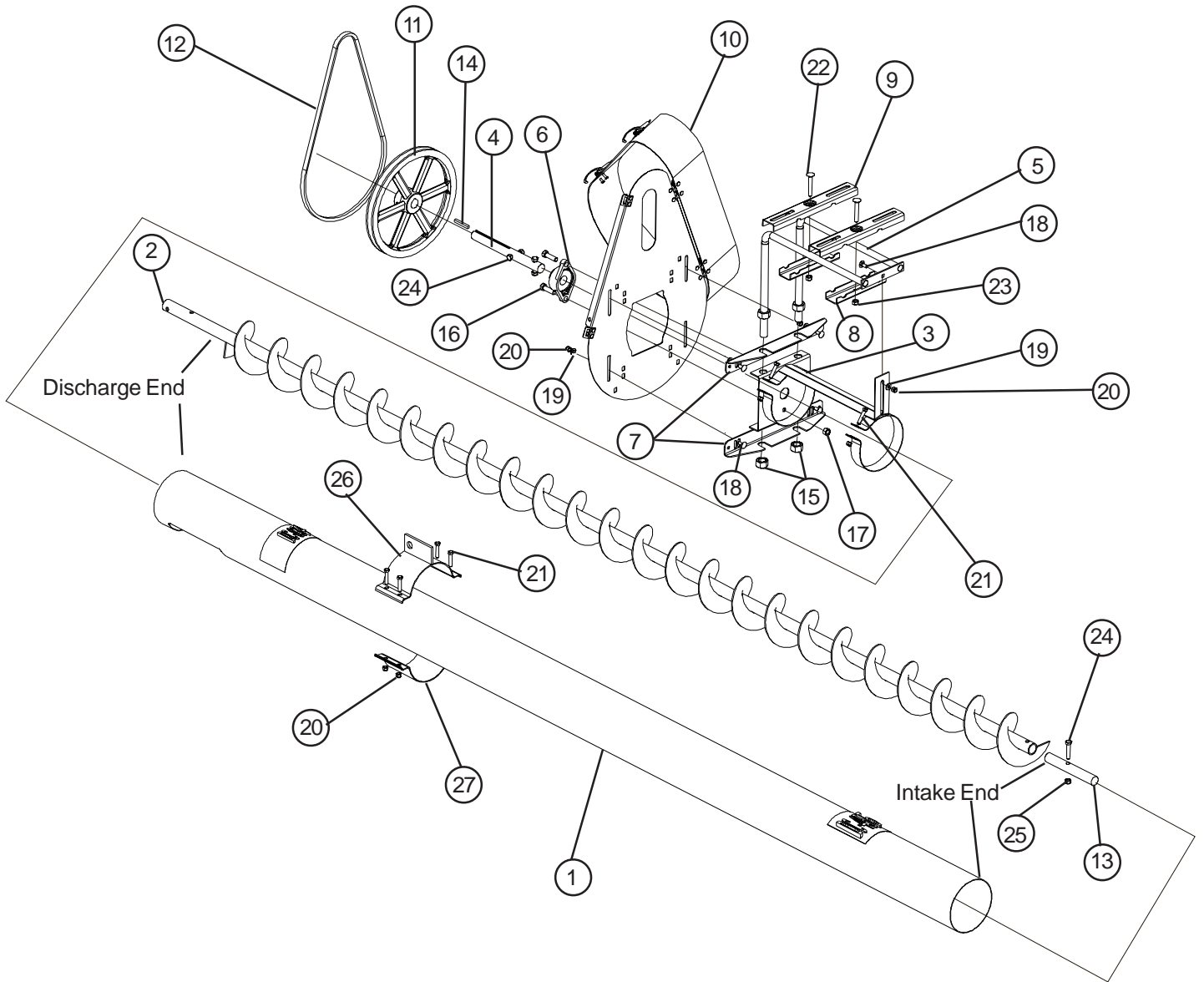
Use the type of main power disconnect switch that is capable of being locked only in the off position.

3. Storage Preparation

- A. Close all wells to discharge tube.
- B. Be sure the unload tube is empty.
- C. Make sure power source is disconnected and locked out.
- D. Check to see that all fasteners are secure.

Problem	Possible Cause	Solution
1. The auger is vibrating.	A. Damage can occur to the auger flighting, causing noise. Damage usually is caused from foreign material being run through the auger.	A1. It may be necessary to remove the flighting for inspection.
	A. Drive belt may be overtightened, putting head stub and flight in a bind.	A1. Loosen the drive belts.
2. Capacity is too low.	A. There may not be enough grain reaching the auger.	A1. Make sure the intake has not bridged over, restricting flow. The flighting at the intake should be covered with grain for maximum capacity.
	B. The auger is moving too slowly.	B1. Check the auger speed. Low capacity will result from speeds slower than recommended.
3. The auger plugs.	A. The auger may be "jamming" because too much grain is reaching the auger.	A1. Use the control gates to decrease the amount of grain the auger is gathering.
	B. The grain may be wet.	B1. If wet grain or other hard-to-move material is being augered, use a larger size motor than recommended for normal use.
	C. The auger may be jammed with foreign material.	C1. Remove any foreign material in the auger.
	D. The motor may be too small or wired incorrectly.	D1. Check wiring or consider using the next larger size motor.

6" BULK TANK AUGER



6" BULK TANK AUGER

6" BULK TANK AUGER PARTS LIST

Ref. No.	Part No.	Description	QTY.
1	GK2860	Discharge Tube 6" x10'	
1	GK2861	Discharge Tube 6" x15'	
1	GK2862	Discharge Tube 6" x20'	
1	GK2863	Discharge Tube 6" x26'	
1	GK2864	Discharge Tube 6" x32'	
1		Dis. Tube 6" x 40' = GK2862 (6" x 20' Dis.) + GK2865 (6" x 20' Ext.)	
2	GK2854	Flight - 6" x 11'	
2	GK2855	Flight - 6" x 16'	
2	GK2856	Flight - 6" x 21'	
2	GK2857	Flight - 6" x 27'	
2	GK2858	Flight - 6" x 33'	
2		Flight - 6" x 41' = GK2856 (6" x 21' flight) + GK2893 (6" x 20' flight)	
3	GK1866	6" Head Plate Weldment 2 Hole	1
4	GK2025	Head Stub 1" x 10"	1
5	GK1312	Motor Mount Rod Weldment	1
6	GK1049	Bearing 2 Hole Flange 1.00" Bore w/ Lock Collar	1
7	GK1311	Belt Guard Mount Angle	2
8	GK1064	Bottom Strap/Clip	2
9	GK1063	Top Strap/Clip	2
10	GK1454	Poly Belt Guard Assembly	1
11	GK1309	Sheave: Aluminum 12" x 1" B - 1B	1
11	GK1321	Sheave: Aluminum 12" x 1" B - 2B	1
12	GK1308	B46 V-Belt	--
13	GK1117	Intake Stub Shaft 1" O.D. x 7" Long	1
14	S-4513	Square Key 1/4" x 2" Long	1
15	S-234	Hex Nut 3/4" - 10 Zinc Grade 5	4
16	S-3886	7/16" - 14 x 1-1/4" HHCS Zinc Grade 5	2
17	S-8317	7/16" - 14 Zinc Grade C Stover Nut	2
18	S-6076	5/16" - 18 x 3/4" Carriage Bolt Zinc Grade 2	5
19	S-1937	5/16" SAE Flat Washer Zinc Grade 2	5
20	S-7382	5/16" - 18 Nylock Nut Zinc Grade 5	11
21	S-2741	5/16" - 18 x 1-1/2" Zinc Grade 5 HHCS Bolt	2
22	S-6995	3/8" - 16 x 2-1/2" Carraige Bolt Zinc Grade 5	2
23	S-456	Hex Nut 3/8" Zinc YDP Grade 5	2
24	S-3727	3/8" - 16 x 1-3/4" HHCS Zinc Grade 8	3
25	S-8251	Stover Nut 3/8" - 16 Zinc Grade C	3
26	GK2923	Truss Support Weldment	1
27	GK1122	6" x 4" Wide Galvanized Halfband	1
28	S-8234	7/16" - 14 Zinc Grade 5 Nylock Nut	2

6" UTILITY AUGER

6" UTILITY AUGER PARTS LIST

Ref. No.	Part No.	Description	Qty.
1	GK2860	Discharge Tube 6" x 10"	
1	GK2861	Discharge Tube 6" x 15"	
1	GK2862	Discharge Tube 6" x 20"	
1	GK2863	Discharge Tube 6" x 26"	
1	GK2864	Discharge Tube 6" x 32"	
1		Dis. Tube 6" x 40' = GK2862 (6" x 20' Dis.) + GK2865 (6" x 20' Ext.)	
2	GK2854	Flight - 6" x 11'	
2	GK2855	Flight - 6" x 16'	
2	GK2856	Flight - 6" x 21'	
2	GK2857	Flight - 6" x 27'	
2	GK2858	Flight - 6" x 33'	
2		Flight - 6" x 41' = GK2856 (6" x 21' flight) + GK2893 (6" x 20' flight)	
3	GK1866	6" Head Plate Weldment 2 Hole	1
4	GK2025	Head Stub 1" x 10"	1
5	GK1312	Motor Mount Rod Weldment	1
6	GK1049	2-Hole Bearing Flange 1" Bore w/ Lock Collar	1
7	GK1311	Belt Guard Mount Angle	2
8	GK1064	Bottom Strap/Clip	2
9	GK1063	Top Strap/Clip	2
10	GK1454	Poly Belt Guard Assembly	1
11	GK1309	Sheave: Aluminum 12" x 1" B - 1B	1
11	GK1321	Sheave: Aluminum 12" x 1" B - 2B	1
12	GK1308	B-46 V-Belt	--
13	GK1117	Intake Stub Shaft 1" O.D. x 7" Long	1
14	GK3496	6" Utility Intake Guard (Hardware Included)	1
15	GK3986	6" x 4" Wide Galvanized Halfband Painted	1
16	S-4513	1/4" x 1/4" x 2" Long Square Key	1
17	S-234	Nut Hex 3/4" - 10 Zinc Grade 5	4
18	S-3886	7/16" - 14 x 1-1/4" HHCS Zinc Grade 5 Bolt	2
19	S-8317	7/16" - 14 Zinc Grade C Stover Nut	2
20	S-6076	5/16" - 18 x 3/4" Carriage Bolt Zinc grade 2	5
21	S-1937	5/16" Flat Washer Grade 2 Zinc	5
22	S-7382	5/16" - 18 Nylock Nut Zinc Grade 5	7
23	S-2741	5/16" - 18 x 1-1/2" Zinc Grade 5	2
24	S-6995	3/8" - 16 x 2 1/2" Carriage Bolt Zinc Grade 5	2
25	S-456	Nut Hex 3/8" Zinc YDP Grade 5	2
26	S-3727	3/8" - 16 x 1-3/4" HHCS Zinc Grade 8	3
27	S-8251	Nut Stover 3/ 8 - 16 Zinc Grade C	3

THE COMPANY WARRANTS ALL PRODUCTS MANUFACTURED TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL USAGE AND CONDITIONS FOR A PERIOD OF TWELVE (12) MONTHS AFTER RETAIL SALE TO THE ORIGINAL END USER OF SUCH PRODUCTS. OUR ONLY OBLIGATION IS, AND PURCHASER'S SOLE REMEDY SHALL BE TO REPAIR OR REPLACE, AT THE COMPANY'S OPTION AND EXPENSE, PRODUCTS THAT, IN THE MANUFACTURERS SOLE JUDGEMENT, CONTAIN A MATERIAL DEFECT DUE TO MATERIALS OR WORKMANSHIP. ALL DELIVERY AND SHIPMENT CHARGES TO AND FROM THE FACTORY WILL BE PURCHASER'S RESPONSIBILITY. EXPENSES INCURRED BY OR ON BEHALF OF THE PURCHASER WITHOUT PRIOR WRITTEN AUTHORIZATION FROM AN AUTHORIZED EMPLOYEE OF THE COMPANY SHALL BE THE SOLE RESPONSIBILITY OF THE PURCHASER.

EXCEPT FOR THE ABOVE EXPRESS LIMITED WARRANTIES, THE COMPANY MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH (i) PRODUCT MANUFACTURED OR SOLD BY THE COMPANY OR (ii) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF THE COMPANY REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCT OR PRODUCTS.

IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF ANTICIPATED PROFITS OR BENEFITS. PURCHASER'S SOLE AND EXCLUSIVE REMEDY SHALL BE LIMITED TO THAT STATED ABOVE, WHICH SHALL NOT EXCEED THE AMOUNT PAID FOR THE PRODUCT PURCHASED. THIS WARRANTY IS NOT TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL PURCHASER. WE SHALL HAVE NO OBLIGATION OR RESPONSIBILITY FOR ANY REPRESENTATIVE OR WARRANTIES MADE BY OR ON BEHALF OF ANY DEALER, AGENT OR DISTRIBUTOR OF THE COMPANY.

THE COMPANY ASSUMES NO RESPONSIBILITY FOR FIELD MODIFICATIONS. MODIFICATIONS TO THE PRODUCT NOT SPECIFICALLY COVERED BY THE CONTENTS OF THIS MANUAL WILL NULLIFY ANY PRODUCT WARRANTY THAT MIGHT HAVE BEEN OTHERWISE AVAILABLE. THE USE OF OUR EQUIPMENT TO HANDLE MATERIALS OTHER THAN FREE FLOWING, NONABRASIVE AND DRY MATERIALS, AS INTENDED, WILL RESULT IN THE VOIDING OF THIS LIMITED WARRANTY.

THE FOREGOING WARRANTY SHALL NOT COVER PRODUCTS OR PARTS WHICH HAVE BEEN DAMAGED BY NEGLIGENT USE, MISUSE, ALTERATION, OR ACCIDENT. ANY NEGLIGENT USE, MISUSE, ALTERATION, OR DAMAGE DUE TO ACCIDENT, AS DETERMINED BY A COMPANY REPRESENTATIVE, MAY VOID THE WARRANTY. THIS WARRANTY COVERS ONLY PRODUCTS MANUFACTURED BY THE COMPANY. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. WE RESERVES THE RIGHT TO MAKE DESIGN OR SPECIFICATION CHANGES AT ANY TIME, BEARING NO RESPONSIBILITY TO MAKE SIMILAR DESIGN OR SPECIFICATION CHANGES ON PREVIOUSLY SOLD MERCHANDISE.

PRIOR TO INSTALLATION, PURCHASER HAS THE RESPONSIBILITY TO RESEARCH AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES WHICH MAY APPLY TO THE LOCATION AND INSTALLATION.

This Equipment shall be installed in accordance with the current installation codes and applicable regulations which should be carefully followed in all cases. Authorities having jurisdiction should be consulted before installation occurs.

== GRAIN KING ==

**1004 East Illinois Street
Assumption, IL 62510
217-226-4421 Phone**
