10" STANDARD DUTY KLEAN SWEEP AUGER

OWNER'S & OPERATOR'S MANUAL

Effective September 24, 2024 **Publication No. 1031553**

10" Klean Sweep Standard Duty Models

2 Section Sweep Flights

B1383A	21' Dia. Bins
B1384A	24' Dia. Bins
B1385A	27' Dia. Bins
B1386A	30' Dia. Bins
B1387A	33' Dia. Bins
B1388A	36' Dia. Bins
B1389A	39' Dia. Bins
B1390A	42' Dia. Bins

3 Section Sweep Flights

B1391A	48' Dia. Bins

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SAFETY

GENERAL SAFETY STATEMENT

This manual was written with the safety of the operator and others who work with the equipment as our prime concern. The instructions presented will help the reader learn SAFE day to day work practices. We want you as our partner in safety.

It is your responsibility as an owner, operator or supervisor to know what specific safety requirements and precautions exist and to make these known to all other personnel working with the equipment or in the area, so that they too may safely perform their duties and avoid any potentially hazardous situations.

Please remember safety equipment provides important protection for persons around a grain handling system that is in operation. Be sure ALL safety shields and protection devices are installed and properly maintained. If any shields or guards are damaged or missing, contact your dealer to obtain the correct items.

Avoid any alterations of the equipment. Such alterations may create a dangerous situation where serious injury or death may occur.

SAFETY ALERT SYMBOL

The symbol shown below is used to call your attention to instructions concerning your personal safety.

Watch this symbol - it points out important safety precautions. It means - **ATTENTION! Become alert! Your personal safety is involved!** Read the message that follows the symbol when a warning is given, be alert to the possibility of personal injury or death.

BE ALERT!

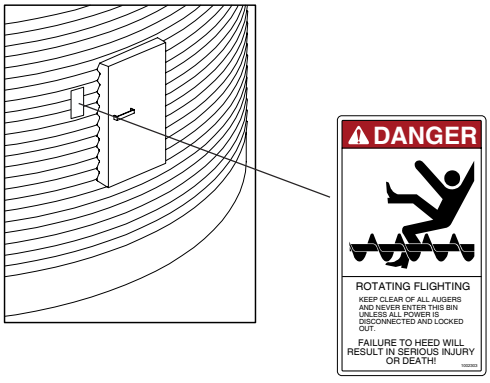
YOUR SAFETY IS INVOLVED

SAFETY DECALS

Check to ensure all Safety Decals are present and in good condition. If a decal cannot easily be read for any reason, or has been painted over, replace the decal immediately. Safety decals are offered free of charge, and can be ordered through your Hutchinson/Mayrath dealer.

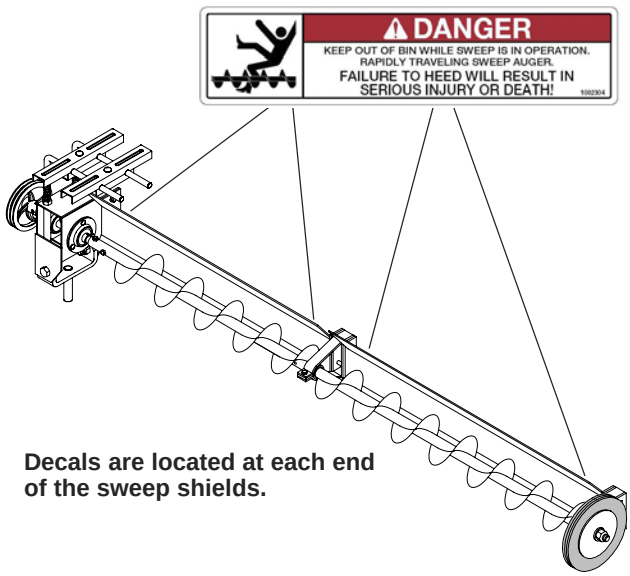
Danger Decal (Part No. 1002303) was supplied with the Klean Sweep auger. This safety sign should be applied to the side of the bin near the opening, so it will be viewed by people entering the bin or storage building.

Apply to the outside of bin, near the opening.



Danger Decal, Part No. 1002303

Danger Decal, Part No. 1002304



Decals are located at each end of the sweep shields.

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OPERATOR QUALIFICATIONS

WARNING

Anyone who will operate or work around this machine shall first read this manual! This manual must be delivered with the equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.

Operation of this auger shall be limited to competent and experienced persons. In addition, anyone who will operate or work around an auger must use good common sense. In order to be qualified, the operator must also know and meet all other requirements, such as:

1. Some regulations specify that no one under the age of 16 may operate power machinery. This includes this auger. It is your responsibility to know what these regulations are in your area or situation.
2. Current OSHA regulations state in part: “At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in safe operation and servicing of all equipment which the employee is, or will be involved with.”*
3. Unqualified persons are to stay out of the work area. See page 4.
4. A person who has not read and understood all operating and safety instructions is not qualified to operate the machine.

***Federal Occupational Safety & Health Standards for Agriculture Subpart D, Section 1928.57 (a) (6).**

SIGN-OFF SHEET

As a requirement of OSHA, it is necessary for the employer to train the employee in the safe operation and safety procedures with this auger. We include this sign off sheet for your convenience and personal record keeping.

DATE	EMPLOYER SIGNATURE	EMPLOYEE SIGNATURE

GENERAL INFORMATION

DESIGNATED WORK AREA

Before starting the auger, a designated work area should be established around the work site.

Under no circumstances should persons not involved in the operation be allowed to trespass into the work area.

It shall be the duty of all operators to see that children and/or other persons stay out of the work areas! Entering the work area by anyone not involved in the actual operation, or trespass into a hazardous area by anyone, shall result in an immediate shut down by the operator.

It shall be the responsibility of all operators to see that the work area has secure footing, is clean and free of all debris, and tools which might cause accidental tripping and/or falling.

OPERATING PROCEDURES

KLEAN SWEEP INFORMATION

The Standard Duty Klean Sweep Auger includes a motor mount and drive assembly, augers, auger shields and a rubber end wheel.

The electric motor (not furnished) can easily be removed from the drive assembly simply by removing the belts and lifting motor from the assembly.

The unit will operate in a round grain bin that has been equipped with a center bin well in the bin floor.

The height of the sweep shields to clear the bin floor can be adjusted at any bearing stand and at the motor mount bracket. The shields should be adjusted to clear the floor by at least 1/2" (13 mm) to permit the rubber end wheel to propel the sweep properly into the grain.

DO NOT enter the grain bin unless all power driven equipment has been shut down and locked out.

Place the Klean Sweep Auger in the bin after all grain that can be removed, via the center and intermediate wells, has been removed.

IMPORTANT! Klean Sweeps are not designed to remain in a bin during filling, storage or unloading. Leaving a sweep in the bin during these operations may cause severe damage to the sweep, center well, or bin. Hutchinson l Mayrath will not be resonsible for such damage.

ELECTRIC MOTOR DRIVES

Always use a motor with required H.P. suggested in the table on Page 5. Use a motor that operates at 1750 RPM.

Attach suitable electrical wiring to the motor in a manner that will permit the sweep to rotate around the bin. The motor starting controls must be located outside the bin, but near the bin door so the operator has full view of the operation inside the bin. ***Never install the controls on the sweep auger inside the bin.***

Electric motors and controls shall be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes.

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 manual reset.

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

A main power disconnect switch that can be locked only in the "OFF" position shall be provided. This shall be locked whenever work is being done on the sweep auger or the unloading auger.

Disconnect power before resetting motor overloads.

Make certain electric motor is grounded.

HORSEPOWER REQUIREMENTS

Bin Diameter	Flight Sections	H.P. (Electric)
24 ft	2 sections	3 hp
27 ft	2 sections	3 hp
30 ft	2 sections	3 hp
33 ft	2 sections	3 hp
36 ft	2 sections	3 hp
39 ft	2 sections	3 hp
40 ft	2 sections	3 hp
42 ft	2 sections	3 hp
48 ft	3 sections	5 hp

Use an electric motor that operates at 1750 R.P.M.

Use a 3.0" diameter motor pulley for a recommended auger speed of 438 R.P.M. (motor pulleys are not furnished).

The horsepower recommendations are based on clean, dry shelled corn or wheat. High moisture grain (above 15%) will require greater power. The maximum possible capacity will be less with high moisture grain than with dry grain.

If a greater or lower capacity is desired, it may be possible to change the motor pulley to a smaller or larger size which in turn will change auger speed.

Do Not attempt operations at speeds greater than 50 to 100 R.P.M above the standard recommended speed.

Do Not operate a sweep that is overfeeding the unload auger. The slide gate in the center well should be left open during sweep operation.

MACHINE INSPECTION

Our augers are well made and we are proud of our line of equipment. We would like you, as our customer, to do your part in using caution and good judgement in using our equipment, as well as any other machinery.

After delivery of your new auger and/or completion of assembly and before each use, inspection of the machine is mandatory. Use the assembly instructions in this manual as a reference to determine that the auger is assembled properly. This inspection should include, but not be limited to:

1. Check to see that all shields listed in the assembly instructions are in place, secured and functional.
2. Check all safety signs (decals) and replace any that are worn, missing or illegible. Safety signs may be obtained free of charge from your dealer or ordered from the factory.
3. Check ***all*** fasteners; nuts, bolts, set screws etc. for tightness.
4. Check drive belts for proper tension, cracking or fraying, tighten or replace as necessary.
7. Check drive motor and all electrical connections.
5. Check ground clearance below the sweep shields [at least a minimum of 1/2" (13 mm)].
6. Check rubber end wheel, make sure it is in good condition and secured properly.

GRAIN BIN UNLOADING

During the operation of the auger, one person shall always be in a position to monitor the operation.

Visually inspect the auger periodically during operation. If a situation should arise, know how to shutdown in an emergency, See Page 7.

Do Not leave the unit operating unattended.

Observe work area restrictions.

Make certain everyone is clear before operating equipment.

Keep out of bin while sweep auger is in operation.

The operator shall be aware of any unusual vibrations, noises and the loosening of any fasteners.

Keep all safety shields and devices in place.

Keep hands, feet and clothing away from moving parts.

Shut off and lockout power to adjust, service or clean.

Stay clear of the under-floor unloading auger at the bin wells. The unloader is exposed at these locations in the bin floor.

GRAIN BIN UNLOADING (con't.)

Empty Grain from Bin

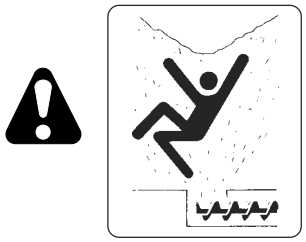
Before the sweep auger can be used, the grain bin will need to be emptied.

Use proper bin unloading procedures to remove as much grain from the bin as possible **(for proper grain removal, follow the procedures outlined in the operation manual supplied with your under-floor unload auger).**

Once the bin has been emptied, the sweep auger can be installed into position. **Do Not enter the bin unless all power has been shut down and locked-out and all grain has flowed properly from the bin.**

Do Not enter the bin if the grain has not flowed normally out of the bin *or* if "bridging" has occurred.

The grain may suddenly break loose and bury causing suffocation.



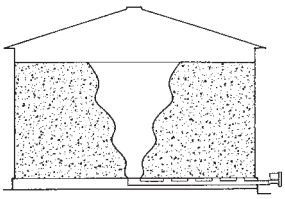


Fig. 1
(Abnormal Flow)

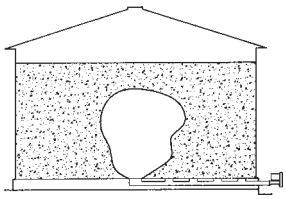


Fig. 2
("Bridging")

SWEEP AUGER INSTALLATION

Some of the parts used in assembly are heavy and may require assistance when lifting and positioning these parts.

Always wear the proper personal safety equipment when working with metal materials and power tools.

Be cautious of electrical hazards. Keep work area clean and free from tools and objects which may cause accidental tripping or falling.

SWEEP AUGER INSTALLATION (con't.)

1. The drive end of the sweep auger mounts to a pivot tube located on the center bin well. Position the sweep auger in the area along side the intermediate wells and insert the pivot shaft, on the drive assembly, into the tube in the center well.
2. Make all electrical wiring connections and clear everyone from inside the bin.

   Electrical motors and controls shall be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes.

Observe work area restrictions.

Make certain everyone is clear before operating the equipment.

Keep out of bin while sweep auger is in operation. The sweep will travel rapidly as the bin empties.

***Never* attempt to control the operation of the sweep auger by pushing on the auger with shovels, brooms or other like objects.**

***Do Not* attempt to restrain the movement of the auger by attaching ropes, bars or other similar devices to be held by the operator.**

KLEAN SWEEP OPERATION

1. Start the under-floor bin unloading auger. Open the center well gate.

   Start the Klean Sweep auger.

   The sweep auger will continue working around the bin directing the grain towards the center bin well.

   As the grain is removed, the sweep auger will eventually reach the floor. Once it reaches the floor, it will take only two or three more revolutions to empty the bin (as the amount of grain is reduced, the sweep will begin to move more rapidly).
2. After the sweep has cleared as much grain as possible from the bin, shut down the sweep but let the under-floor unload auger continue to run until all grain has been cleared from the unload tube.

   Shut down the unload auger and lockout the power source.
3. The remaining grain can now be completely removed from the bin.

KLEAN SWEEP OPERATION (con't.)

FINAL CLEAN-UP

Do Not enter the grain bin unless all power driven equipment has been shut down and locked-out.

Never enter the grain bin unless monitored by another person.

1. With the power source locked-out, scoop and sweep by hand, the grain from the outer area of the bin floor into a circular pile towards the center of the bin (See Fig. 3).

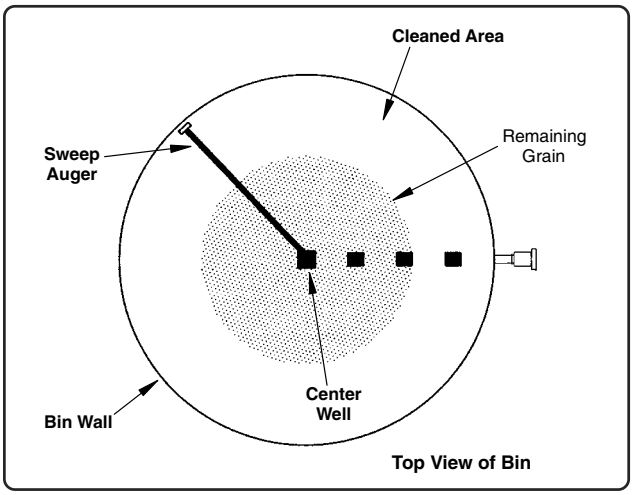


Fig. 3

2. Make sure all persons and equipment are out of the bin. Start the under-floor unloading auger, then start the sweep auger. In a short time, the pile of grain will be depleted.

   Continue with this process (Steps 1 & 2), until all grain has been removed from the bin (the final bits of grain can be swept by hand into the center well and removed by the unloading auger).

3. Make sure the unload auger has cleared, then shut down and lockout the power source.

   Close all bin wells and remove the electric motor and sweep auger from the bin.

SHUTDOWN/LOCKOUT

LOCKOUT

A main power disconnect switch that can be locked only in the "Off" position shall be provided. This shall be locked whenever work is being done on the sweep auger or the unloading auger.

EMERGENCY SHUTDOWN

Should the auger need to be immediately shutdown, or if it has become stalled due to an overload, ***immediately*** shut the power ***"Off"*** and **lockout** the power source.

Close all bin wells.

If shut down occurred because of an overload, reconnect the power source and try to clear the auger gradually.

NORMAL SHUTDOWN

Turn the power to the sweep auger off and let the under-floor unload auger continue to run and clean itself out.

After the unload tube has cleared, shut down the unload auger and lockout the power source.

Close all bin wells.

TROUBLE SHOOTING

LOW CAPACITY

To prevent overloading of the unload auger, the sweep flight is a smaller diameter than the unloading flight. Sweep capacity may vary as the angle of the sloping grain varies.

The slide gate in the center well should be left wide open during sweep operation.

Check horsepower requirements to determine correct operating speed and motor pulley size recommended for that speed.

SWEEP FLIGHT AND SHIELD NOT MOVING

Check clearance between shield and bin floor for excessive drag. Adjust shields to clear metal floor splices or cracks in the concrete.

Check the sweep wheel. After extensive use the rubber material may have worn down to where the wheel diameter is no longer large enough to move the sweep properly. Order replacement wheel parts from your dealer or from the factory.

The grain may have gone out of condition due to moisture or insect activity and has become hard or caked. Stop and lockout the sweep auger before entering the bin to correct this or any difficulty.

AUGER DRIVE ASSEMBLY

The assembly instructions on the following pages cover the assembly procedures of the Klean Sweep Auger as it is being assembled in a newly erected grain bin.

Some of the parts used in assembly are heavy and may require assistance when lifting and positioning these parts.

Always wear the proper personal safety equipment when working with metal materials and power tools.

Be cautious of electrical hazards. Keep work area clean and free from tools and objects which may cause accidental tripping or falling.

1. Install the motor mount frame onto the pivot tube located in the center bin well (insert the shaft on the bottom of the motor mount frame into the pivot tube in the center well).
2. Install the bearings and bearing flanges to the motor mount as shown in Fig. 4. Secure each bearing assembly using three (3) 5/16-18 x 3/4" carriage bolts, lock washers and non-lock nuts.
3. Insert the head shaft through the bearings. Install the pulley and the 1/4" x 2" key onto the end of the shaft. Secure the pulley to the shaft using the two 5/16-18 x 5/8" set screws provided.
4. Thread the 3/4-10 non-lock nuts onto the threaded motor mount rods (thread the nuts at least halfway up on the rods and insert the rods into the mounting tubes on the motor mount). Position the rods as shown in Fig. 4.
5. Secure the motor straps onto the mounting rods using 5/16-18 x 2 1/2" carriage bolts, lock washers and non-lock nuts, See Fig. 4 (do not tighten at this time, adjustment will be made when the electric motor is installed).

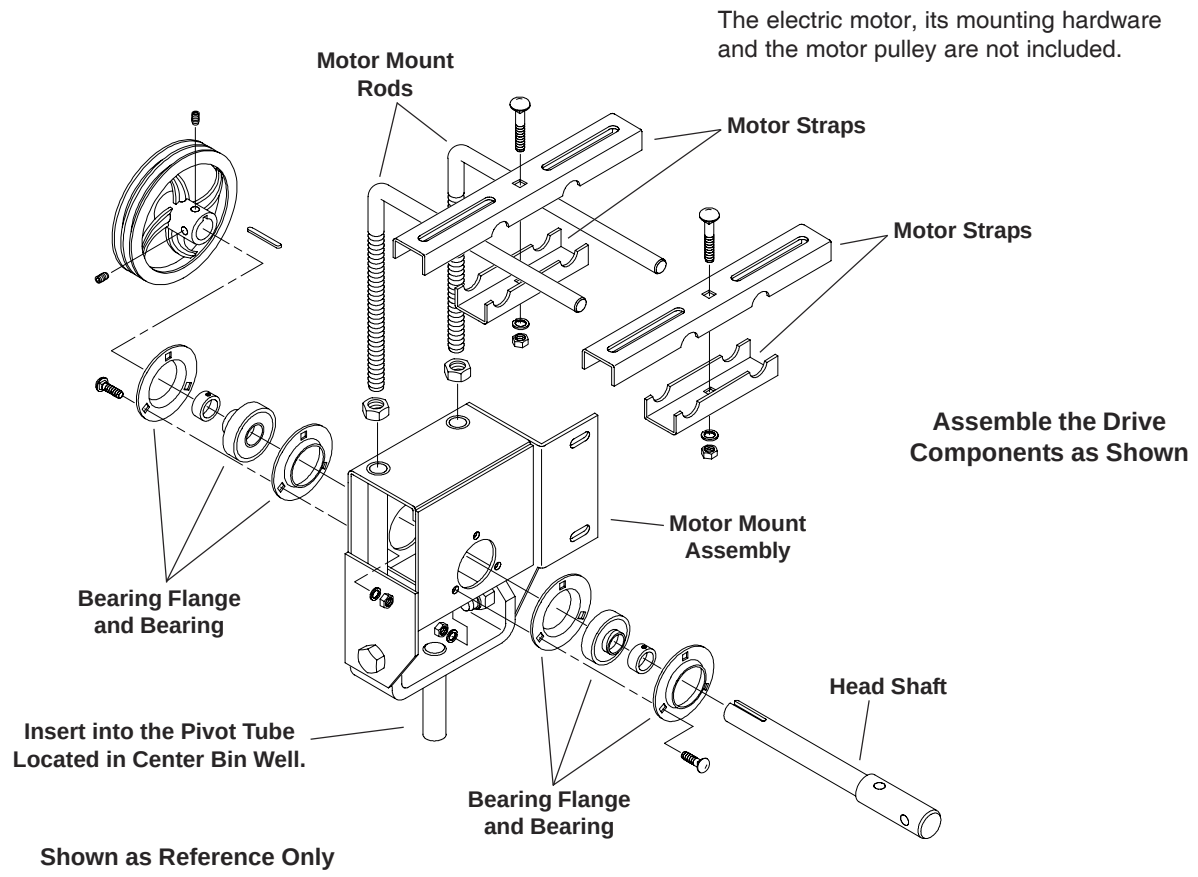


Fig. 4

***AUGER DRIVE ASSEMBLY* (con't.)**

Install Flights and Shields

6. Attach the first section of flight to the head shaft and secure using two (2) 1/2-13 x 3" bolts and nylon locknuts (See Fig. 5).

   Attach the first shield section to the mounting bracket on the motor mount and secure using two (2) 3/8-16 x 1 1/4" bolts, flat washers, lock washers, and non-lock nuts **(keep the slotted holes to the top when installing shields).**

7. Position a bearing stand **(with slotted holes down)** at the end of the first flight and shield section. Align the next shield section with the first shield so the bearing stand is positioned between both shields as shown in Fig. 5.

8. Secure the shields to the bearing stand using two (2) 3/8-16 x 3" bolts, flat washers, lock washers and non-lock nuts.

   To help keep the shields aligned during the assembly process, install the shields so the bolts are positioned at the same location in each slot. **For instance, if the bolts are positioned at the back of the slots in the first shield, install the next shield so the bolts are positioned at the back of those slots as well.**

   The same holds true with the slotted holes at the bottom of the bearing stands. These allow for adjustment to keep the flight sections in alignment.

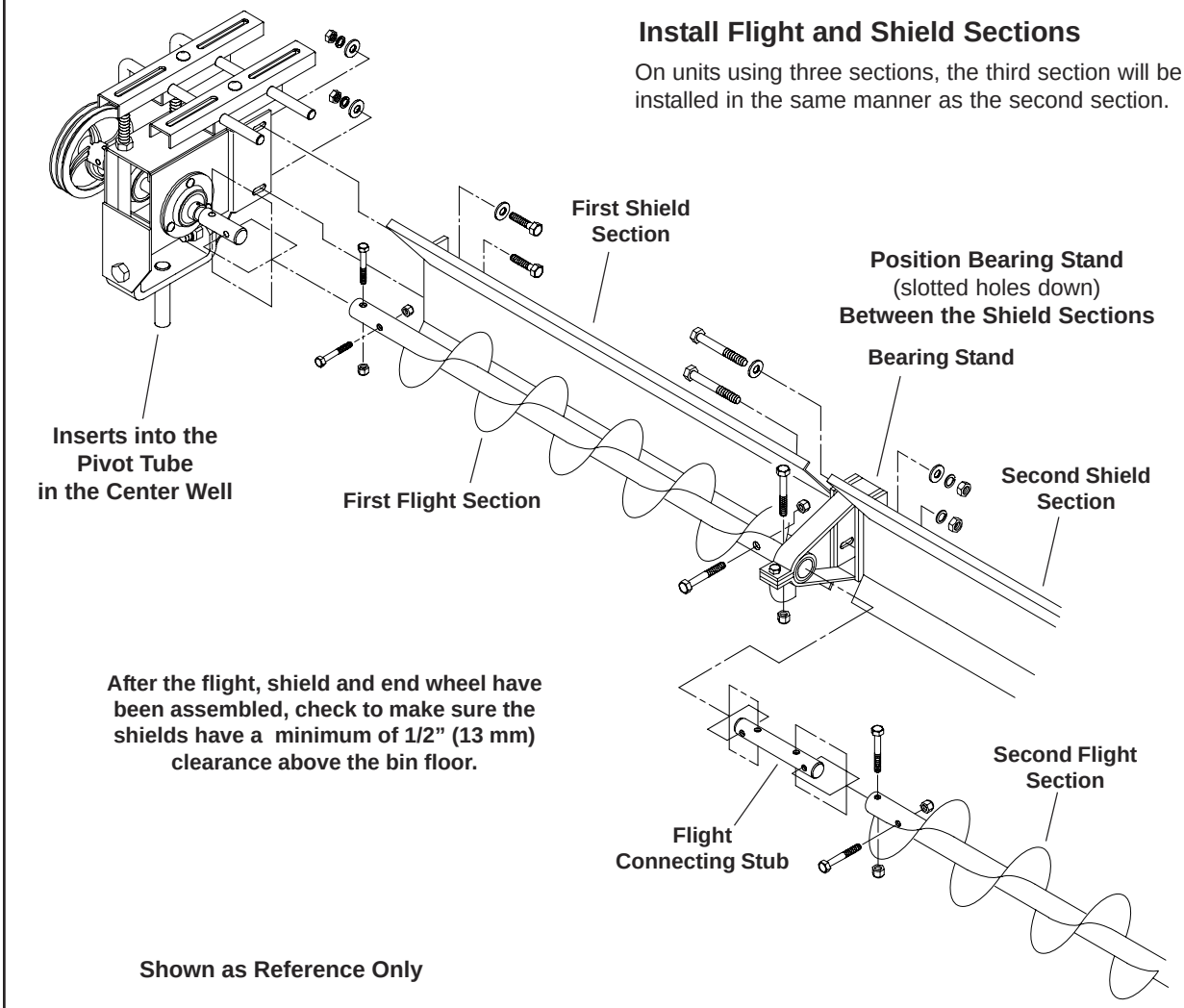


Fig. 5

AUGER DRIVE ASSEMBLY (con't.)

9. Insert the flight connecting stub through the bearing and into the end of the flight previously installed. Slide the next flight section onto the stub and secure each flight using two (2) 1/2-13 x 3" bolts and nylon locknuts **(if using a 3 section sweep auger, install the third flight and shield section using the same procedures used to install the second section).**

Install End Wheel

The end wheel will be installed to the last section of flight regardless if the unit has two or three flight sections.

1. After installation of the last flight and shield section, attach a bearing stand to the end of the last shield. Secure using two (2) 3/8-16 x 3" bolts, flat washers, lock washers and non-lock nuts.
2. Insert the end wheel shaft through the bearing and into the flight previously installed. Secure the shaft using one (1) 1/2-13 x 3" bolt and nylon locknut.
3. Assemble the steel and rubber disc's for the sweep wheel as shown in Fig. 6 (1 steel disc, 3 rubber disc's and one more steel disc).

   Slide the assembly onto the wheel shaft and secure using the 1" lock washer and non-lock nut (make sure to tighten the nut securely to the shaft).

   NOTE: Although the unit comes with nine (9) rubber disc's, only three are used at a time. The remaining six are used as replacement disc's.
4. Check to make sure the shields have suitable clearance [1/2" (13 mm) minimum] above the bin floor, adjust if necessary.

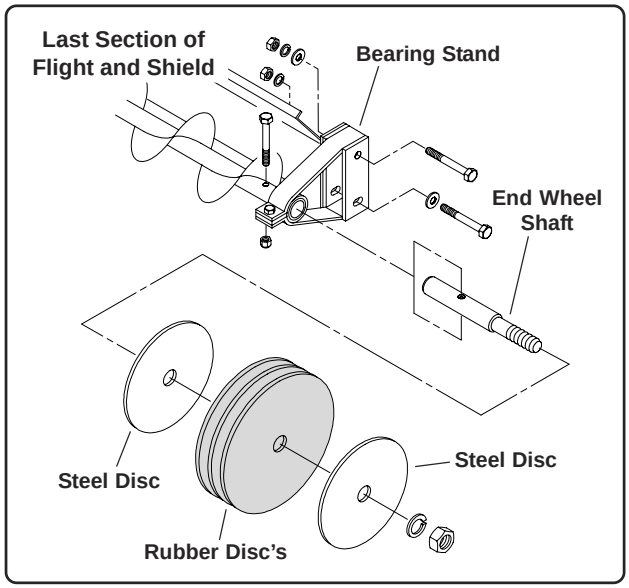


Fig. 6

5. The electric motor can now be mounted to the sweep. Attach the electric motor to the motor mount straps and secure using the hardware provided with the motor (do not tighten completely at this time).

   Install the pulley onto the motor shaft and position the motor so the pulleys are aligned (place a straight edge across the face of the pulleys for alignment).

   Secure the pulley and motor into place.
6. Install the belts onto the pulleys. Tighten the belts by adjusting the 3/4" nuts on the motor mount rods.
7. Connect suitable electric wiring to the motor in a manner that will allow the sweep to rotate several times around the bin (See Fig. 7).

   The motor starting controls must be located outside the bin **(they must never be installed onto the sweep auger inside the bin).** Locate the controls outside the bin, but near the bin door so the operator has full view of the operation inside.

   Electric motors and controls shall be installed by a qualified electrician and must meet the standards set by the National Electrical Code and all local and state codes.

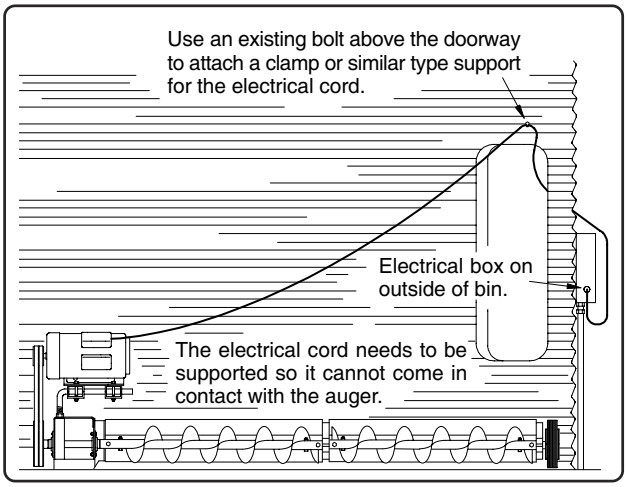


Fig. 7

IMPORTANT! Klean Sweeps are not designed to remain in a bin during filling, storage or unloading. Leaving a sweep in the bin during these operations may cause severe damage to the sweep, center well, or bin. Hutchinson I Mayrath will not be resonsible for such damage.

BOLT KITS

BOLT KIT for 10" STANDARD DUTY KLEAN SWEEP AUGER

2 Section Sweep for 21' to 42' Bin Dia.

Part No.	Description	Qty.	Where Used
1002238	Carriage bolt, 5/16-18 x 3/4" G5 PLT	6	Attaches Bearings and Flanges
33144	Lock washer, 5/16	6	to Motor Mount
33151	Nut, non-lock, 5/16-18 PLT	6	
6383C	Flangette bearing	4	
6390D	Bearing and collar	2	
33310	Bolt, 3/8-16 x 1 1/2" G5 PLT	2	Flight Shield to Motor Mount
D1150	Lock washer, 3/8 PLT	2	
D1149	Nut, non-lock, 3/8-16 PLT	2	
33024	Flat washer	3	
33091	Bolt, 1/2-13 x 3" G5 PLT	7	Auger Flight to Head Shaft,
33138	Nut, nylon lock, 1/2-13 PLT	7	Connecting Stub & End Wheel Shaft
4045A1	Key, square, 1/4 x 2"	1	Driven Pulley to Head Shaft
D1152	Nut, non-lock, 3/4-10 G5 PLT	2	Motor Mount Rods (belt adjustment)
33068	Bolt, 3/8-16 x 3" G5 PLT	4	Flight Shield to Bearing Stands
D1150	Lock washer, 3/8 PLT	4	
D1149	Nut, non-lock, 3/8-16 PLT	4	
33024	Flat washer	4	
1002242	Carriage bolt, 3/8-16 x 2 1/2" G5 PLT	2	Motor Straps to Motor Mount Rods
D1150	Lock washer, 3/8 PLT	2	
D1149	Nut, non-lock, 3/8-16 PLT	2	

BOLT KIT for 10" STANDARD DUTY KLEAN SWEEP AUGER

3 Section Sweep for 48' Bin Dia.

Part No.	Description	Qty.	Where Used
1002238	Carriage bolt, 5/16-18 x 3/4" G5 PLT	6	Attaches Bearings and Flanges
33144	Lock washer, 5/16	6	to Motor Mount
33151	Nut, non-lock, 5/16-18 PLT	6	
6383C	Flangette bearing	4	
6390D	Bearing and collar	2	
33310	Bolt, 3/8-16 x 1 1/2" G5 PLT	2	Flight Shield to Motor Mount
D1150	Lock washer, 3/8 PLT	2	
D1149	Nut, non-lock, 3/8-16 PLT	2	
33024	Flat washer	3	
33091	Bolt, 1/2-13 x 3" G5 PLT	9	Auger Flight to Head Shaft,
33138	Nut, nylon lock, 1/2-13 PLT	9	Connecting Stub & End Wheel Shaft
4045A1	Key, square, 1/4 x 2"	1	Driven Pulley to Head Shaft
D1152	Nut, non-lock, 3/4-10 G5 PLT	2	Motor Mount Rods (belt adjustment)
33068	Bolt, 3/8-16 x 3" G5 PLT	6	Flight Shield to Bearing Stands
D1150	Lock washer, 3/8 PLT	6	
D1149	Nut, non-lock, 3/8-16 PLT	6	
33024	Flat washer	6	
1002242	Carriage bolt, 3/8-16 x 2 1/2" G5 PLT	2	Motor Straps to Motor Mount Rods
D1150	Lock washer, 3/8 PLT	2	
D1149	Nut, non-lock, 3/8-16 PLT	2	

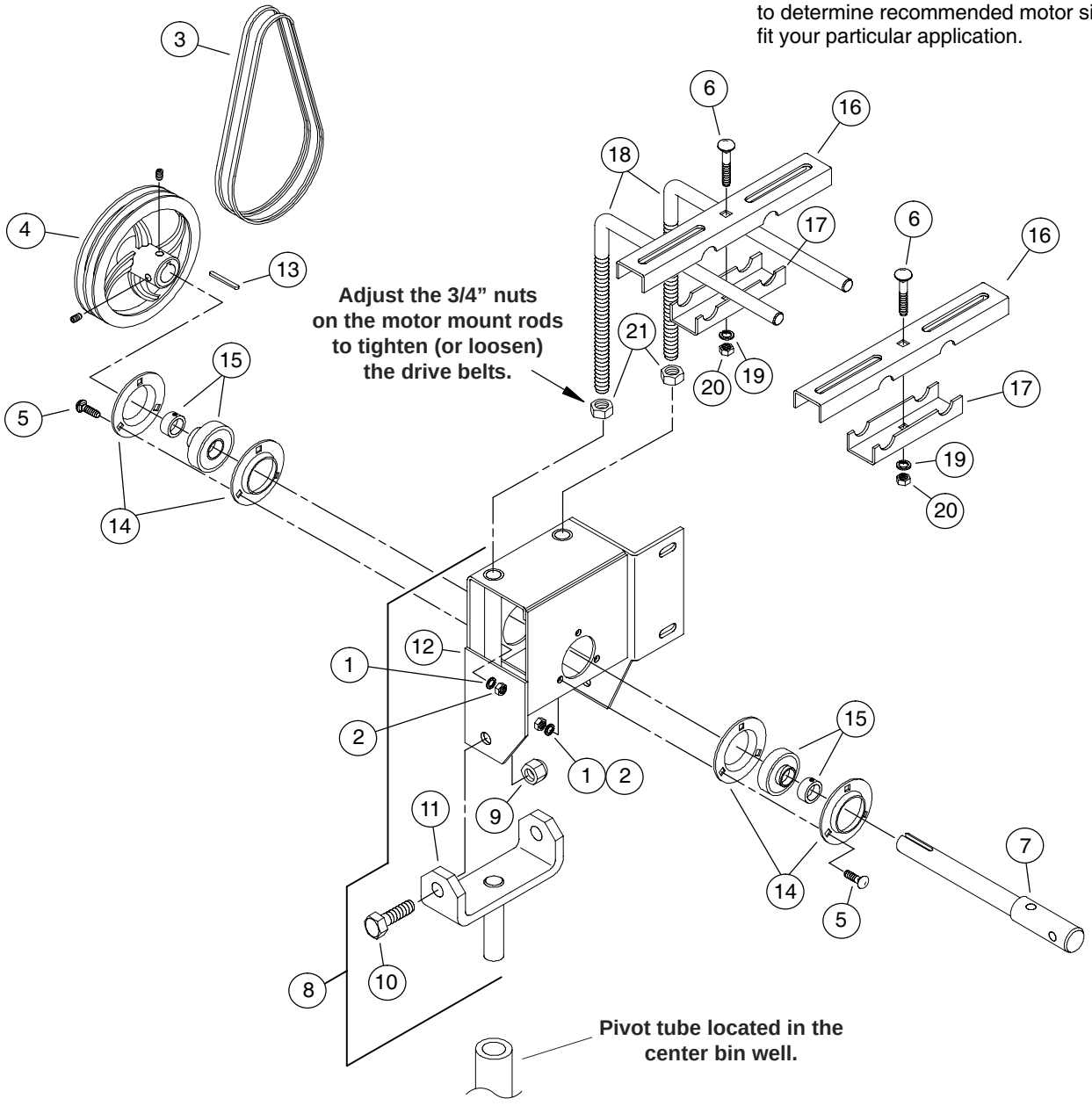
PARTS LIST

10” STANDARD DUTY KLEAN SWEEP AUGER

Motor Mount & Drive Assembly

The electric motor, its mounting hardware and its pulley are not furnished with this kit Use a 3.0” dia. pulley for recommended auger speed of 438 R.P.M.

Refer to the horsepower chart on Page 5 to determine recommended motor size to fit your particular application.



10” STANDARD DUTY KLEAN SWEEP AUGER

Motor Mount & Drive Assembly

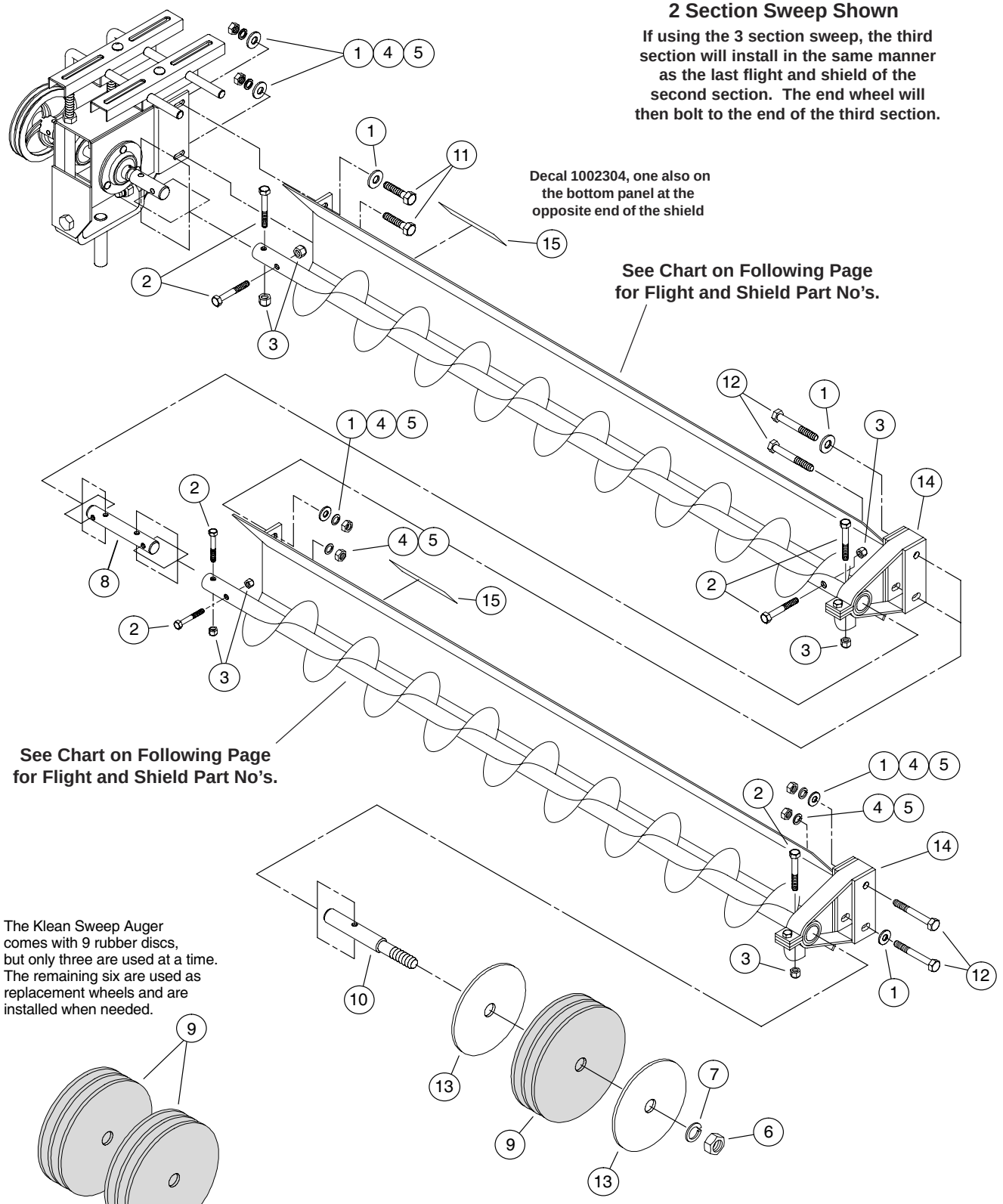
Ref. No.	Part No.	Description	Qty.
1	33144	Lock washer, 5/16”	6
2	33151	Nut, 5/16” non-lock	6
3	40117	Belt, B-50	2
4	40151	Sheave, 2B 12-1.00	1
5	1002238	Bolt, carriage, 5/16-18 x 3/4”	6
6	1002242	Bolt, carriage, 3/8-16 x 2 1/2” G5 PLT	2
7	1010736	Shaft, head	1
8	1031233	Motor mount, complete	1
9	33139	•Nut, nylon lock, 5/8-11	2
10	33276	•Bolt, 5/8-11 x 1 1/2”	2
11	1014841	•Clevis, sweep pivot	1
12	1031222	•Motor mount weldment	1
13	405A1	Key, .250” sq x 2” long	1
14	6383C	Flangette, bearing	4
15	6390D	Bearing and collar	2
16	6853A	Motor mount straps, 12” (top)	2
17	6854A	Motor mount clips, 7” (bottom)	2
18	8851A	Rod, motor mount	2
19	D1149	Lock washer, 3/8”	2
20	D1150	Nut, 3/8-16 non-lock	2
21	D1152	Nut, 3/4-10 non-lock	1

• Indented parts names indicate these parts are included in the preceding assembly.

PARTS LIST

10” STANDARD DUTY KLEAN SWEEP AUGER

Flight, Shield and End Wheel Assembly



10” STANDARD DUTY KLEAN SWEEP AUGER

Flight, Shield and End Wheel Assembly

Ref. No.	Part No.	Description	Qty.
1	33024	Washer, 3/8” flat	7 - 9 *
2	33091	Bolt, 1/2-13 x 3”	7 - 11 *
3	33138	Nut, 1/2-13 nylon lock	7 - 11 *
4	D1149	Lock washer, 3/8”	6 - 8 *
5	D1150	Nut, 3/8-16 non-lock	6 - 8 *
6	D1158	Nut, 1” NC threads	1
7	D1159	Lock washer, 1”	1
8	1045D	Stub, flight connecting	1 - 2 *
9	1035660	Disc, rubber (sweep wheel)	9 ◊
10	553040	Shaft, end wheel	1
11	33229	Bolt, 3/8-16 x 1 1/4”	2
12	33068	Bolt, 3/8-16 x 3”	4 - 6 *
13	50034A1	Disc, steel (sweep wheel)	2
14	6670A11	Bearing stand	2 - 3 *
15	1002304	Decal, DANGER, rapid travel sweep	4 - 6 *

* The second number indicates the quantity used in 3 section sweeps.

◊ Although 9 rubber disc’s are supplied with the unit, only 3 will be used at a time. The remaining 6 will be used as replacement disc’s.

Refer to the following chart for Flight and Shield Replacement Parts

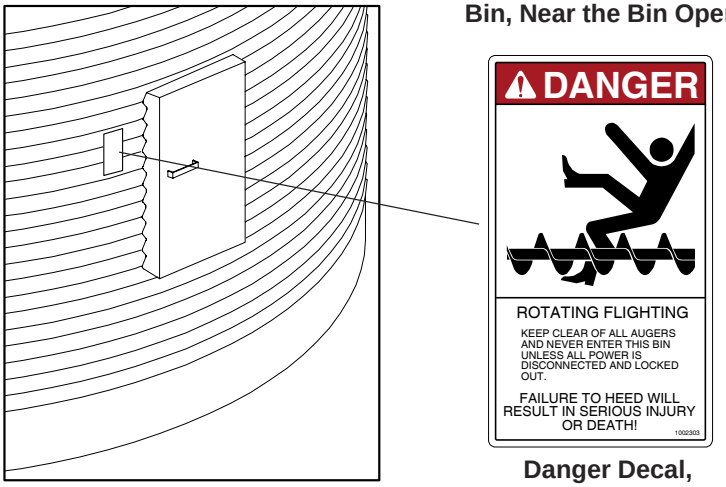
Catalog No.	Bin Dia.	1st Section from Center Well		2nd Section from Center Well		3rd Section from Center Well	
		Flight Part No.	Shield Part No.	Flight Part No.	Shield Part No.	Flight Part No.	Shield Part No.
B1383A	21’	5340H	5330H	5341H	5331H		
B1384A	24’	5340H	5330H	5343H	5333H		
B1385A	27’	5341H	5331H	5343H	5333H		
B1386A	30’	5340H	5330H	5346H	5336H		
B1387A	33’	5344H	5333H	5343H	5333H		
B1388A	36’	5343H	5333H	5346H	5336H		
B1389A	39’	5344H	5334H	5346H	5336H		
B1390A	42’	5346H	5336H	5346H	5336H		
B1391A	48’	5343H	5333H	5343H	5333H	5345H	5335H

SAFETY DECALS

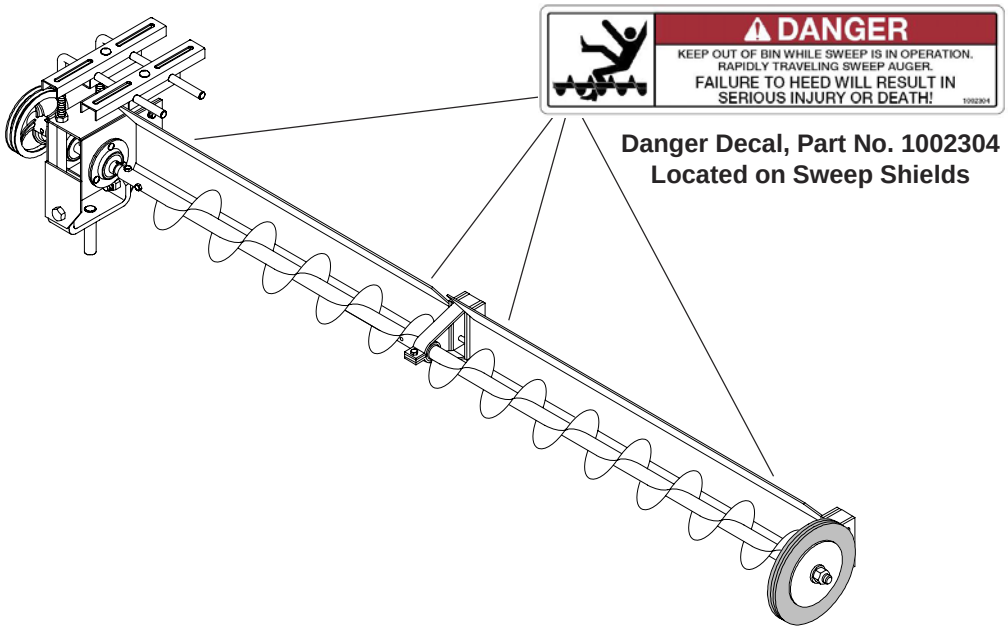
Check to ensure all Safety Decals are present and in good condition. If a decal cannot easily be read for any reason, or has been painted over, replace the decal immediately. Safety decals are offered free of charge, and can be ordered through your Hutchinson/Mayrath dealer.

Danger Decal (Part No. 1002303) was supplied with the sweep auger kit. This safety sign should be applied to the outside of the bin near the opening, so it will be viewed by people entering the bin or storage building.

Apply Decal to the Outside of the Bin, Near the Bin Opening



Danger Decal, Part No. 1002303



Danger Decal, Part No. 1002304 Located on Sweep Shields

AG GROWTH INTERNATIONAL INC. – FORM OF LIMITED WARRANTY

Ag Growth International Inc. (“AGI”) warrants that the goods and/or services being supplied (the “Goods”) will be free from defects in materials and workmanship under normal conditions, use, service, and maintenance, for a period of twelve (12) months from the date of first operation of the Goods, but in no event more than eighteen (18) months from the date of delivery of the Goods to the end-user (the “Warranty Term”). If the Goods are being used for rental purposes, the Warranty Term for the subject Goods shall be limited to 90 days.

Subject to AGI’s sole discretion, if the Goods, or a component thereof, are found to have a default in materials and/or workmanship within the Warranty Term, AGI will, at its own option and expense, repair or replace the subject Goods or refund the purchase price for the applicable Goods. Any warranty related expenses incurred on behalf of or by the end-user without the prior written consent of AGI shall be the sole responsibility of the end-user. Expenses relating to travel, customs or import duties and tariffs, equipment rental, and any costs associated with accessing the Goods are the sole responsibility of the customer. Warranty shall be void in the event the Goods are returned or disposed of without the written consent of AGI.

The customer shall not assert a claim that the Goods are defective unless the customer gives written notice to AGI of such defect within forty-eight (48) hours of discovering such defect. In the event of a warranty claim, the customer must complete any and all information required by AGI in order to properly assess or investigate the claim. AGI shall be given a reasonable opportunity to inspect and test the Goods in question. Failure by the customer to notify AGI of such claim within 48 hours shall operate as a waiver of any and all such claims by the customer.

THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY AGI WITH RESPECT TO THE GOODS AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE WHETHER OR NOT THE PURPOSE OR USE HAS BEEN DISCLOSED TO SELLER IN SPECIFICATIONS, DRAWINGS, OR OTHERWISE, AND WHETHER OR NOT AGI’S GOODS ARE SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY AGI FOR BUYER’S USE OR PURPOSE.

This limited warranty extends solely to Goods manufactured by AGI and does not cover any third-party parts, components, or materials. To the extent permitted by the manufacturer, AGI will pass on applicable warranties on third-party parts, components or materials to the end-user. This warranty does not extend to any losses or damages due to misuse, use of a kind and/or to a degree not reasonably expected to be made of the Goods, any use of the Goods which is not an intended use as specified in AGI’s published product literature or otherwise specified by AGI in writing, accident, acts of God, abuse, neglect, normal wear and tear (including corrosion and cosmetic issues), any equipment attached to or used in conjunction with the Goods, any field modifications or substitutions to original Goods, component damage incurred during shipping and handling, unauthorized modification or alteration, used beyond rated capacity, or improper installation, maintenance or application.

THE SOLE AND EXCLUSIVE REMEDY FOR ANY CLAIM HEREUNDER SHALL BE LIMITED TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE. AGI SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL AGI’S LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXCEED THE PURCHASE PRICE OF THE GOODS. BUYER AGREED THAT IN NO EVENT SHALL AGI’S

LIABILITY TO BUYER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES. THE TERM "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, BUT NOT BE LIMITED TO, LOSS OF ANTICIPATED PROFITS, LOSS OF USE, LOSS OF REVENUE, FAILURE TO MEET GOVERNMENT AND/OR ADMINISTRATIVE REQUIREMENTS, CLEAN UP COSTS, COST OF CAPITAL AND DAMAGE OR LOSS TO OTHER GOODS, PROPERTY OR EQUIPMENT.

To the fullest extent permitted by law, Buyer, on behalf of itself, its suppliers, their agents, employees or any entity or person for which Buyer is or may be responsible ("Indemnitors") shall fully indemnify, save and hold AGI, its agents, employees, officers, directors, partners and related entities harmless from and against all liability, damage, loss, claims, demands, actions and expenses of any nature whatsoever, including, but not limited to reasonable attorney's fees which arise out of or are connected with: (a) any negligent act, error or omission by any Indemnitor in the performance of this agreement; (b) the failure of the Indemnitor to comply with the laws, statutes, ordinances or regulations of any governmental or quasi-governmental authority; or (c) the material breach of any term or condition of this agreement by any of the Indemnitors. Without limiting the generality of the foregoing, the indemnity hereinabove set forth shall include all liability, damage, loss, claims, demands, and actions on account of personal injury, death or property loss to any third party, any Indemnitee, any of Indemnitee's employees, agents, licensees or invitees. The indemnity set forth herein shall survive any termination of this agreement.

THIS WARRANTY IS NON-TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL END-USER AND SHALL BE CONSIDERED VOID IF NOT REGISTERED WITHIN 30 DAYS OF RECEIPT OF THE GOODS BY THE ORIGINAL END USER.

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