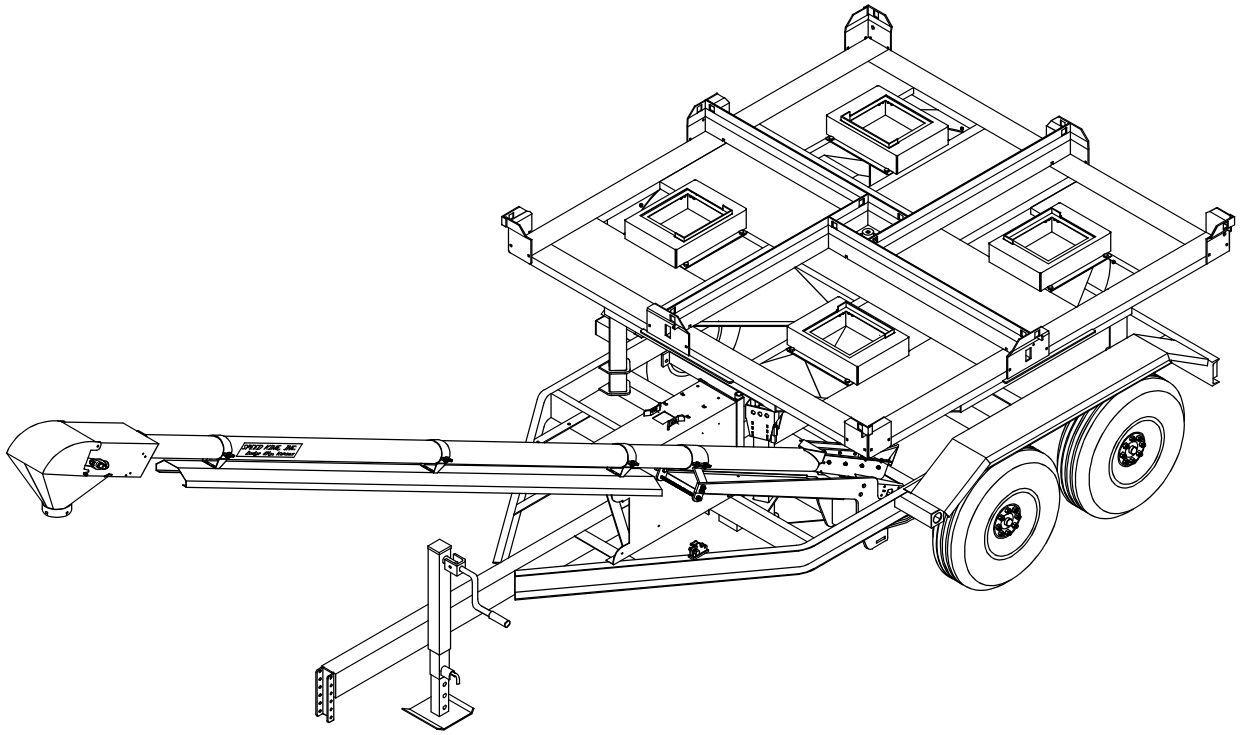
CrustBuster
SPEED KING INC.

4-Box Rotary Seed Tote



OWNER'S MANUAL

OPERATION • MAINTENANCE • REPAIR PARTS

#03728300 (2007)

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Identification

Your Seed Tote is identified by a Serial Number and Model Number. Record these numbers in the spaces provided in this manual and refer to them when ordering parts or requesting service.

Serial Number	Model Number

Warranty

CrustBuster/Speed King, Inc. of Dodge City, Kansas, warrants consumer products, so far as the same is of our own manufacture, against defects in material and workmanship under normal and reasonable use for a period of one (1) year after date of delivery to the original purchaser. Our obligation under this warranty is limited, however, to furnishing a replacement part for a defective part, or at our option to repair the defective parts without charge, either method F.O.B. our works, provided the consumer gives CrustBuster/Speed King,Inc. written notice within ten (10) days after said part appears to be defective and affords CrustBuster/Speed King,Inc. an opportunity to inspect. Unless otherwise expressly agreed to by CrustBuster/Speed King,Inc., the consumer shall bear the expense of installation.

CrustBuster/Speed King, Inc. will not be liable for consequential damages where the loss is commercial, including but not limited to loss of profit, delays or expenses.

This warranty sets forth the extent of our liability. The foregoing is in lieu of all other warranties, expressed or implied, including any warranties that extend beyond the description of the product.

Safety

Read and understand this manual and all safety signs before operating and maintaining. Review the safety instructions and precautions annually.

TAKE NOTE! This safety alert symbol found throughout this manual is used to call your attention to instructions involving your personal safety and the safety of others. Failure to follow these instructions can result in injury or death.



THIS SYMBOL MEANS

-ATTENTION!
-BECOME ALERT!
-YOUR SAFETY IS INVOLVED!

Note the use of the signal words **DANGER**, **WARNING** and **CAUTION** with the safety messages.

The appropriate signal word for each has been selected using the following guidelines:

DANGER: 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 which, for functional purposes, cannot be guarded.

WARNING: 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.

CAUTION: 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.

General Safety Guidelines

Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or for you, follow them.

Replace any CAUTION, WARNING, DANGER or instruction safety decal that is not readable or is missing. Location of such decals is indicated in this manual.

Do not attempt to operate this equipment under the influence of drugs or alcohol.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. **Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.**

To prevent injury or death, use a tractor equipped with a Roll Over Protective System (ROPS). Do not paint over, remove or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

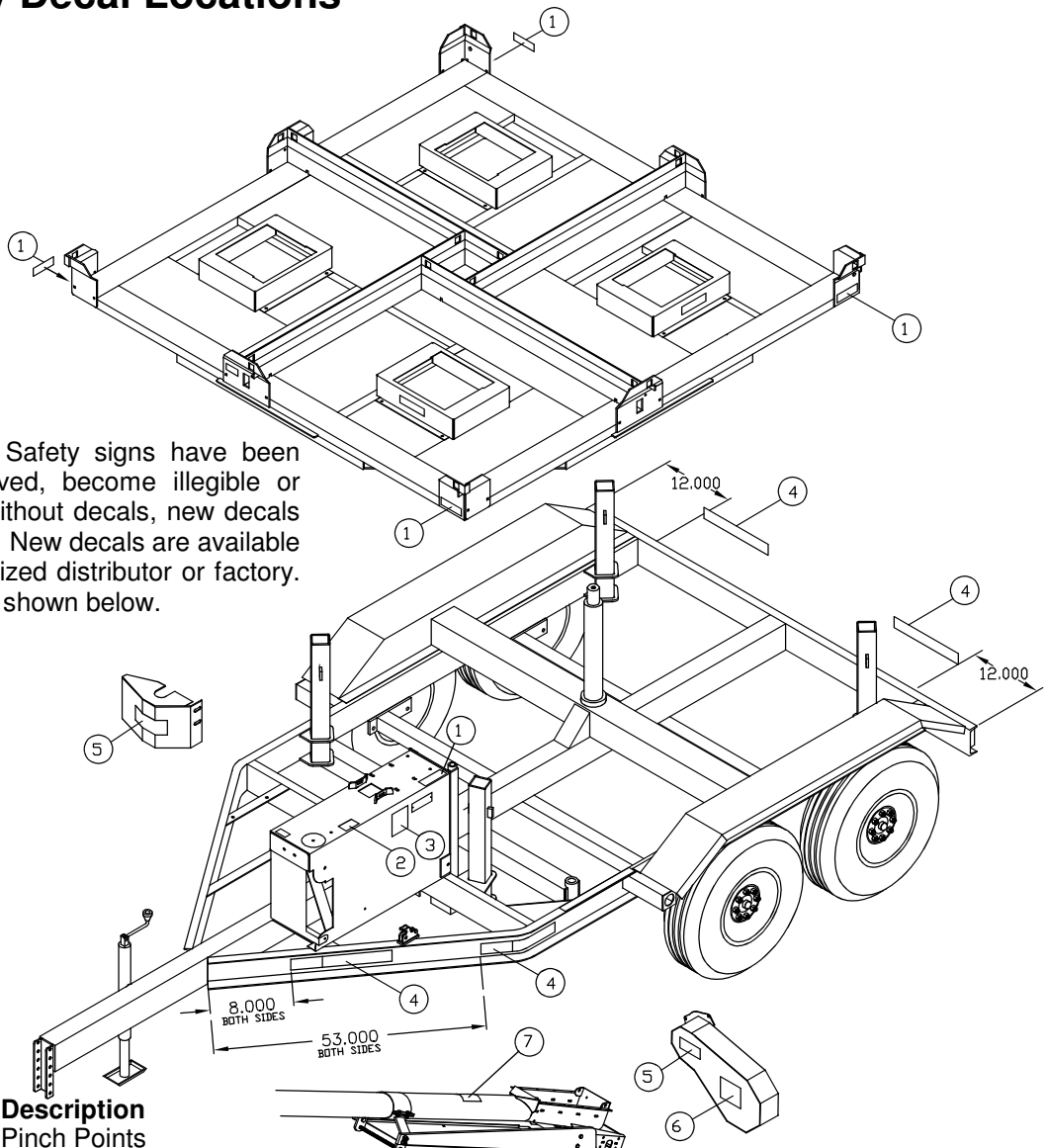
Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question - **DON'T TRY IT.**

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 equipment. This sign-off sheet is included for your convenience and personal record keeping.

DATE	EMPLOYEE	EMPLOYER'S SIGNATURE

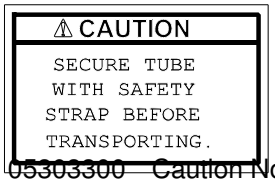
Safety Decal Locations

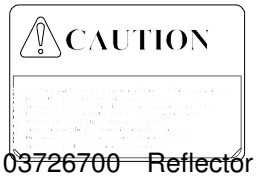


REMEMBER: If Safety signs have been damaged, removed, become illegible or parts replaced without decals, new decals must be applied. New decals are available from your authorized distributor or factory. Individual decals shown below.

Item	Part No.	Description
1	05315700	Pinch Points
2	05325600	Secure Safety Strap
3	05303300	Caution Notes
4	03726700	Reflector Tape
5	05312400	Keep Shields in Place
6	02740900	Danger Moving Parts
7	05328000	Danger Rotating Parts















Safety Decal Care

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replaced parts that displayed a safety sign should also display the current sign.
- Safety signs are available from your distributor or dealer parts department or the factory.

How to install safety signs:

- Be sure that the installation area is clean and dry.
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portions of the split backing paper.
- Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.

Tire Safety

- Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death.
- Do not attempt to mount a tire unless you have proper equipment and experience to do the job.
- Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should be called to service and/or mount tires.
- Always order and install tires and wheels with appropriate capacity to meet or exceed the anticipated weight to be placed on the equipment.
- Inflate tires as recommended by tire manufacturer and torque lug nuts to 85 ft. lbs. Check lug torque after one mile, and periodically thereafter. Check wheel bearings on a regular basis and grease semi-annually.

Before Operation

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing which may catch in moving parts. Remove all jewelry and secure long, loose hair.
- Always wear protective clothing and substantial shoes.
- Keep wheel lug nuts or bolts tightened to specified torque.
- Assure that agricultural implement tires are inflated evenly.
- Give the unit a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included in this manual.
- All safety devices, shields, and guards must be in place and functional.
- Be sure no tools are laying on or in the equipment.
- Do not use the unit until you are sure that the area is clear, especially children and animals.
- Do not hurry the learning process or take the unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Use a tractor equipped with a Roll Over Protective System (ROPS) and fasten your seat belt prior to starting the engine.
- The manufacturer does not recommend usage of tractor with ROPS removed.
- Move tractor wheels to the widest recommended settings to increase stability.
- Securely attach to towing unit. Use a high strength, appropriately sized hitch pin with a mechanical retainer and attach safety chain.
- Do not allow anyone to stand between the tongue or hitch and the towing vehicle when backing up to the equipment.

During Operation

- Children should not be allowed on the product.
- Clear the area of small children and bystanders before moving the equipment.
- Securely unit to towing unit and attach safety chains. Shift towing unit to a lower gear before going down steep downgrades, thus using the engine as a retarding force. Keep towing vehicle in gear at all times. Slow down for corners and rough terrain.
- Make sure you are in compliance with all local and state regulations regarding transporting equipment on public roads and highways. Lights and slow moving signs must be clean and visible by overtaking or oncoming traffic when unit is transported.
- SAFETY CHAIN - If equipment is going to be transported on a public highway, a safety chain should be obtained and installed. Always follow state and local regulations regarding a safety chain and auxiliary lighting when towing farm equipment on a public highway. Be sure to check with local law enforcement agencies for your own particular regulations. Only a safety chain (not an elastic or nylon/plastic tow strap) should be used to retain the connection between the towing and towed machines in the event of separation of the primary attaching system. Install the safety chain by crossing the chains under the tongue and secure to the draw bar cage or hitch or bumper frame.
- Beware of bystanders, **particularly children!** Always look around to make sure that it is safe to start the engine of the towing vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.

During Operation - *cont'd*

- **NO PASSENGERS ALLOWED -** Do not carry passengers anywhere on, or in, the tractor or equipment, except as required for operation.
- Keep hands, clothing and hair clear of moving parts.
- Do not clean, lubricate or adjust your equipment while it is moving.
- When halting operation, even periodically, set the tractor or towing vehicle brakes, disengage the PTO, shut off the engine and **remove the ignition key**.
- Be especially observant of the operating area and terrain - watch for holes, rocks or other hidden hazards. Always inspect the area prior to operation.
  - **DO NOT** operate near the edge of drop-offs or banks.
  - **DO NOT** operate on steep slopes as overturn may result.
  - Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.
- Visually inspect unit periodically during operation for signs of excessive vibration or loose fasteners. Be alert to any unusual noises.



Highway and Transport Operations

- Adopt safe driving practices.
  - Keep the brake pedals latched together at all times. **NEVER USE INDEPENDENT BRAKING WITH MACHINE IN TOW AS LOSS OF CONTROL AND/OR UPSET OF UNIT CAN RESULT.**
  - Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure. Keep speed to a minimum.
  - Reduce speed prior to turns to avoid the risk of overturning.
  - Avoid sudden uphill turns on steep slopes.
  - Always keep the tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.
  - Do not drink and drive!
- Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
- Use approved accessory lighting, flags and necessary warning devices to protect operators of other vehicles on the highway during daylight and nighttime transport. Various safety lights and devices are available from your dealer.
- The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
- When driving the tractor and equipment on the road or highway under 40 kph (20 mph) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.
- Plan your route to avoid heavy traffic.
- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
- Be observant of bridge load ratings. Do not cross bridges rated lower than the gross weight you are operating.
- Watch for obstructions overhead and to the side while transporting.
- Always operate equipment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the equipment when making turns, stopping the unit, etc.
- Pick the most level possible route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.
- Be extra careful when working on inclines.
- Maneuver the tractor or towing vehicle at safe speeds.
- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.
- Avoid loose fill, rocks and holes; they can be dangerous for equipment operation or movement.
- Operate the towing vehicle from the operator's seat only.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment attachments unattended.
- As a precaution, always recheck the hardware on equipment following every 100 hours of operation. Correct all problems. Follow the maintenance safety procedures.



Following Operation

- Following operation, or when unhitching, stop the tractor or towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine and **remove the ignition keys**.
- Store the unit in an area away from human activity.
- Do not park equipment where it will be exposed to livestock for long periods of time. Damage to equipment and livestock injury could result.
- Do not permit children to play on or around the stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.
- Wheel chocks may be needed to prevent unit from rolling.

Performing Maintenance

- Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.
- Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.
- Before working on the unit, stop the towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine and **remove the ignition keys**.
- Be certain all moving parts have come to a complete stop before attempting to perform maintenance.
- Always use a safety support and block the wheels. Never use a jack to support the unit.
- Always use the proper tools or equipment for the job at hand.
- Use extreme caution when making adjustments.
- Never replace hex bolts with less than grade five bolts unless otherwise specified.
- After servicing, be sure all tools, parts and service equipment are removed.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. The manufacturer will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.
- If equipment has been altered in any way from original design, the manufacturer does not accept any liability for injury or warranty.

Pre-Operation

1. Check all bearings for proper lubrication.
2. Check the tube for foreign material.
3. Check all belts for proper tension.
4. Start unit and check unit belt alignment while unit is empty.

Operation Procedures

Disconnect all safety straps and support brackets. Connect power source to tote to rotate the table and select a center flow box. Pull the handle located by the rotation switch on the front of the tote and disengage the pin from the table. Move the switch in the direction you want the table to rotate. After the table starts to rotate, the handle can be released. This will catch the next stop hole to position another box over the hopper.

To rotate the tube, activate the switch (FRONT/BACK) on the flexible spout handle. Pull the switch to BACK to start tube actuator and rotate the tube to the position you need to fill. When finished, push the switch to FRONT and the tube will rotate back to road position. If the tube is in the “CONTACT ZONE AREA”, the table will not operate to prevent damage to the tube. Rotate the tube to the operation zone, the micro-switch will release and the table will rotate. (See page 6).

To fill, open center flow box to release grain. The tote has a self tending spout and will not overflow. Position flexible spout to area to be filled and activate the fill switch to start belt.

When you are about finished filling, close center flow box and empty grain completely out of feed tube.

NOTICE

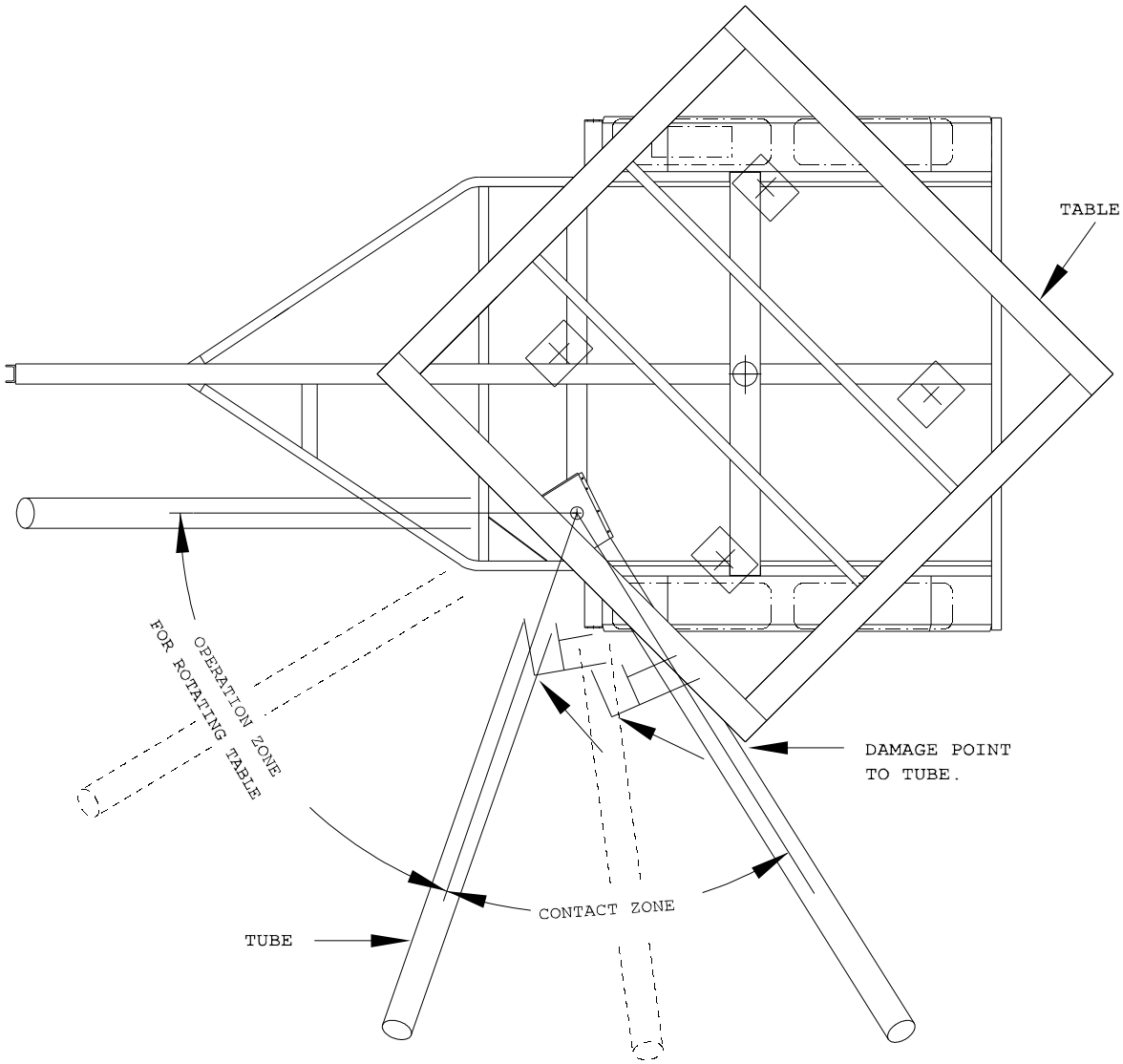
(See illustration below)

If the conveyor is positioned in the “CONTACT ZONE”, the corner of the table will collide with the conveyor tube as the table rotates.

A micro switch, located on the base of the conveyor, is adjusted to interrupt the power that rotates the table when the conveyor is positioned in the “Contact Zone”.

Be aware of this “Contact Zone” in case the micro switch does not function properly. This zone is marked with a decal on the trailer frame.

The best practice when rotating the table is to position the conveyor tube directly forward.



Maintenance

Preventive maintenance is the key to the long life of any mechanical device.

Careful and systematic inspection of the unit will result in maximum, trouble-free service.

Support Rollers: *(Refer to pages 14-15)*
The proper pre-loading of the support rollers under the table is critical. Too much pre-load and the rollers will flatten during idle periods, and will not roll when put into service the next season. Too little pre-load and the table may move enough to flex the center shaft causing a potential failure, or cause the table gear ring to travel past the length of the drive gear.

Step 1. Move all four rollers down to clear the bottom of the table by at least ½". Rotate table a full turn to make sure none of the rollers contact table.

Step 2. Select a roller post and rotate table until the low spot on table is found. Raise roller up to just touch table by adjusting the bolts on either side of roller support evenly. Keep the top of roller support level and not in a bind. Mark table to indicate low point.

Step 3. Determine the high point of the table using the same roller post. When you have located the maximum gap between that roller and the table bottom, measure and record this gap. The gap should never exceed 3/16".

Step 4. Rotate the table so previously marked “low point” is above each remaining support roller post. Adjust each roller up to touch table.

Step 5. Divide the gap by 2, add .091 (one full turn of a 5/8" nut) and divide by .091.

example 1: If gap between the low and high point equals .125"

.125 ÷ 2 = .0625
.0625 + .091 = .1535
.1535 ÷ .091 = 1.68 TURNS

example 2: If gap between the low and high point equals .1875" (Maximum allowed)

.1875 ÷ 2 = .09375
.09375 + .091 = .18475
.18475 ÷ .091 = 2.03 TURNS

Push the rollers up the calculated distance by turning the bolts in the right direction the calculated number of turns. Secure roller bolts with jam nuts.

Step 6. Make sure the center post rain cover does not rub the rotating outer tube. Space up with washer if necessary, but do not over space.

Lubrication:
All bearings which are fitted with grease zerks should be lubricated at the conclusion of each operating day. Before greasing the bearings, make certain the zerks are free of dirt, otherwise this will be passed into the bearing race.

Belt Training:
It is essential that the belt be properly trained at all times. A belt correctly installed and trained will run straight and true. The belt must run centered on all terminal rollers, take-up rollers, and return idlers throughout the entire belt length. For this reason, all rotating parts should always be at right angles to belt.

Incorrect installation and training can result in severe edge damage, material spillage, material leakage through the skirt rubber at the loading point, and excessive power demands

Slight adjustment of roller shafts may be required to keep belts centered on them (if belt runs to one side of the roller - apply more tension to this side of the belt by advancing roller shaft on this side). This can be done on the head section as long as adjustment bolt does not vary more than 1/4". If it does, then some adjustment will need to be done on the tail end.

If the belt tends to veer to one side of the return strand, the belt can be centered by "knocking" ahead (in the direction of belt travel) the end of the return idler to which the belt runs. A belt correctly installed will usually train well both empty and loaded, except as noted:

1. One or more rotating parts not in alignment.
2. Belt tensions in some part of system (usually at tail section) are below minimum recommended.
3. Belt not loaded centrally.

When a belt is initially started, it should be jogged to determine if a major runout occurs which could damage belt and belt edges. If runout occurs at some point, the reason is usually a return idler or roller out of alignment before the runout. Alignment should be rechecked before restarting.

After the belt can be safely run without damage, final training should begin with the head roller. The belt must enter the head roller in the center without movement from side to side. If the belt is not centered on the tail pulley, the return strand of belt should be observed for any section which is not centered on return idlers. If the belt is not centered at some point, move return idlers starting before this point to correct centering of belt. Movement of idler bracket should be gradual and only 1/16" to 1/8" - the belt will move in the direction that it first contacts the idler. The same corrective action should be taken at the tail roller.

After the belt is trained empty, the belt should be trained with a load. The take-up adjustments are made to prevent belt slip and keep tensions at all points above minimums recommended when belt is operating with a load.

Maintenance *- cont'd*

If slip occurs under load, additional tension should be applied by adjusting the take-up only enough to prevent slip from occurring under load, and when started with a load.

Alignment:
All rotating parts -head roller, tail roller, and return idlers- must be at a 90 degree angle to the direction of belt travel, must be level, and the midpoint of each centered when properly aligned. Check alignment by running a tight wire from the center of the head roller to the center of the tail roller. Level all rotating parts. If a part is not level, the belt will run to the lower side.

Belt Care:
It is suggested that the unit be run every two to three days (more often if possible). This tends to keep the belt alive and stops any forming of the belt to the curvature of the tube while the unit is not in use.

NOTE: Belt may deteriorate if not in use and exposed to weather conditions for any prolonged period of time.

Belt Splicing:
A belt must not run out at the splice area. Runout will occur if the belt is not cut square or splice is not installed square.

Head Assembly Take-up:
After extended use, the belt may stretch to the point that there is not sufficient take-up in the head assembly to tighten it. Obtain additional take-up by cutting a 6" to 8" section from the belt. A new splice lacing may be ordered from your CrustBuster/Speed King distributor or from the factory.

Periodic Clean-out:
Due to the characteristics of certain materials, residue sometimes collects between the belt and the tube. Check the unit periodically for any material build up in this area. If residue appears excessive, remove the belt and thoroughly wash the belt and tube. Allow belt and tube to dry before reinstalling the belt.

When the unit is not being used, secure belt to the tube to prevent belt from flopping in the wind, possibly breaking return idlers or ripping belt.

Belt Replacement:
To replace the belt, cut it and hand rotate head roller until belt has been removed. Install appropriate belt as outlined in assembly instructions. *(See page 9).*

Storage

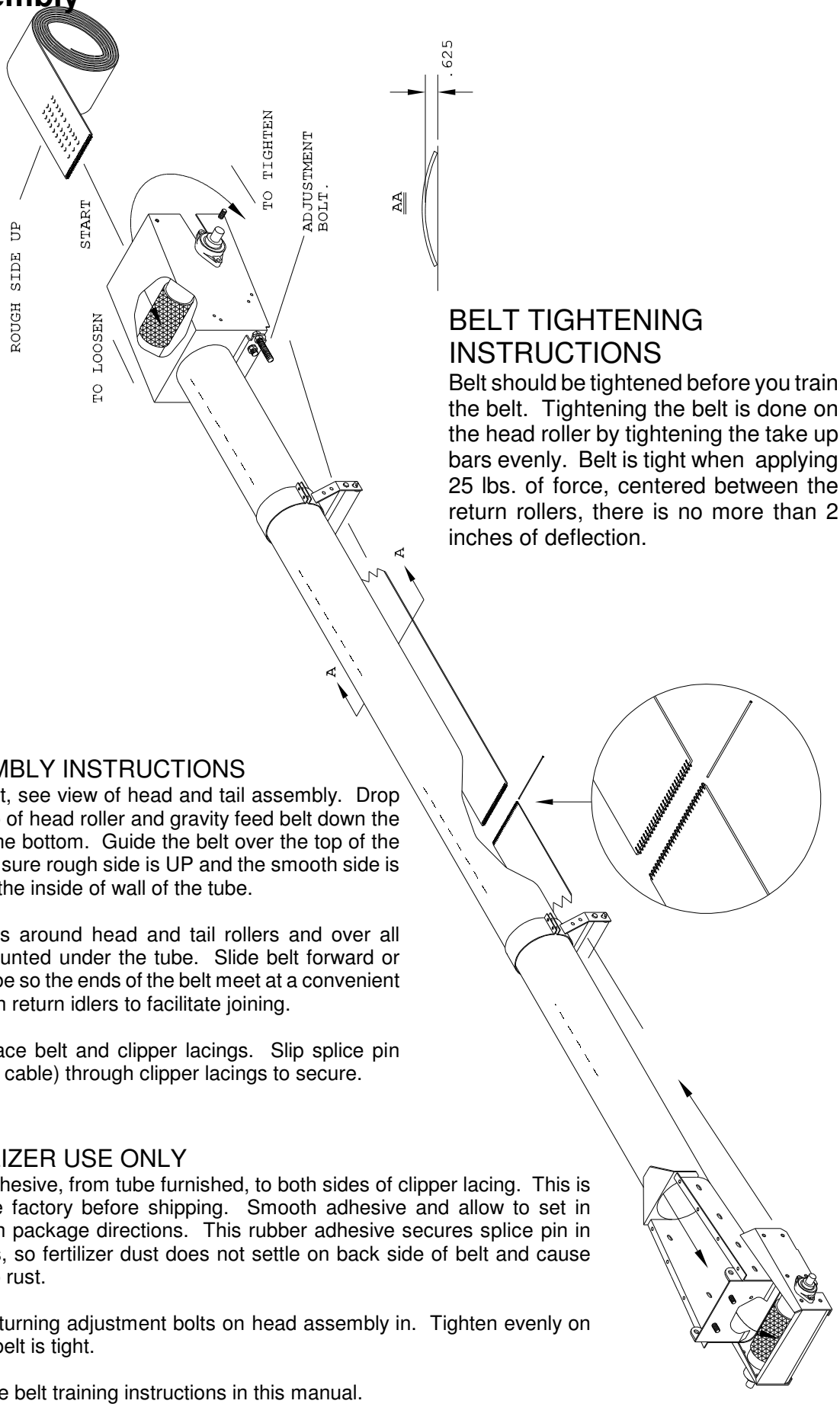
Temporary storage
1. Relieve tension from all belts; both v-belt and conveyor belt.
2. Store all belt equipment in a dry place. If equipment cannot be stored out of the weather, cover engine and mechanical parts with waterproof material.

Prolonged storage
1. Remove all belts and store in a cool, dark, dry place.
2. Wash belt thoroughly.
3. Wash tube both inside and out.
4. Lubricate all bearings.
5. Store in a dry shelter.

Troubleshooting

Table will not rotate	• Check connectors to the power source • Check if conveyor is in the CAUTION ZONE • Check that pin is pulled completely out of table • Check chain and gear key • Check adjustment of micro switch on table lock • Check for bad relay • Check rotation switch
Conveyor will not rotate	• Check connection at the top of conveyor • Check relay • Check actuator for power and ground
Belt will not turn	• Check connection at top of conveyor • Check relay • Check motor

Belt Assembly



BELT TIGHTENING INSTRUCTIONS

Belt should be tightened before you train the belt. Tightening the belt is done on the head roller by tightening the take up bars evenly. Belt is tight when applying 25 lbs. of force, centered between the return rollers, there is no more than 2 inches of deflection.

BELT ASSEMBLY INSTRUCTIONS

At the start point, see view of head and tail assembly. Drop belt over the top of head roller and gravity feed belt down the tender tube to the bottom. Guide the belt over the top of the tail roller. Make sure rough side is UP and the smooth side is DOWN against the inside of wall of the tube.

Route both ends around head and tail rollers and over all return idlers mounted under the tube. Slide belt forward or back through tube so the ends of the belt meet at a convenient location between return idlers to facilitate joining.

Align and interlace belt and clipper lacings. Slip splice pin (Plastic covered cable) through clipper lacings to secure.

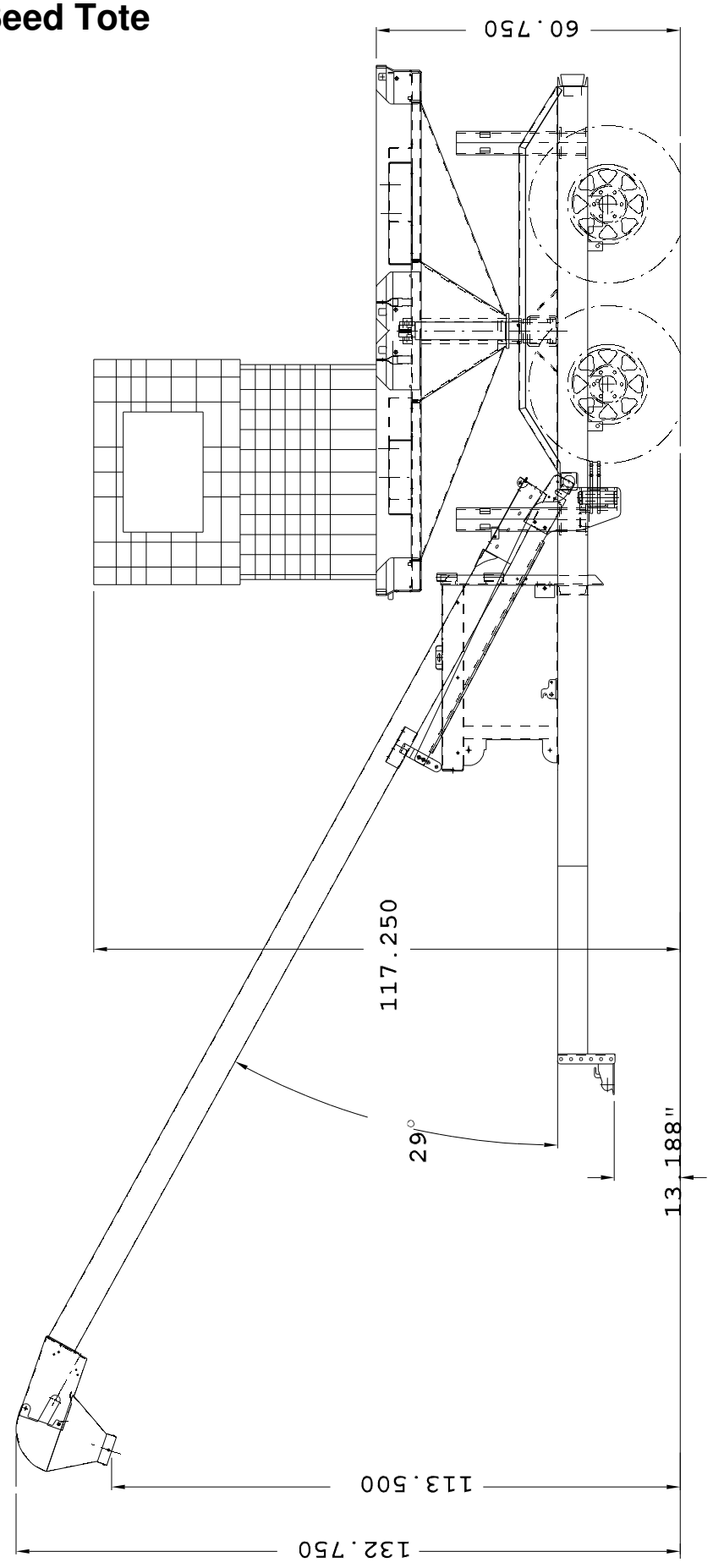
FOR FERTILIZER USE ONLY

Apply rubber adhesive, from tube furnished, to both sides of clipper lacing. This is not done at the factory before shipping. Smooth adhesive and allow to set in accordance with package directions. This rubber adhesive secures splice pin in place and seals, so fertilizer dust does not settle on back side of belt and cause inside of tube to rust.

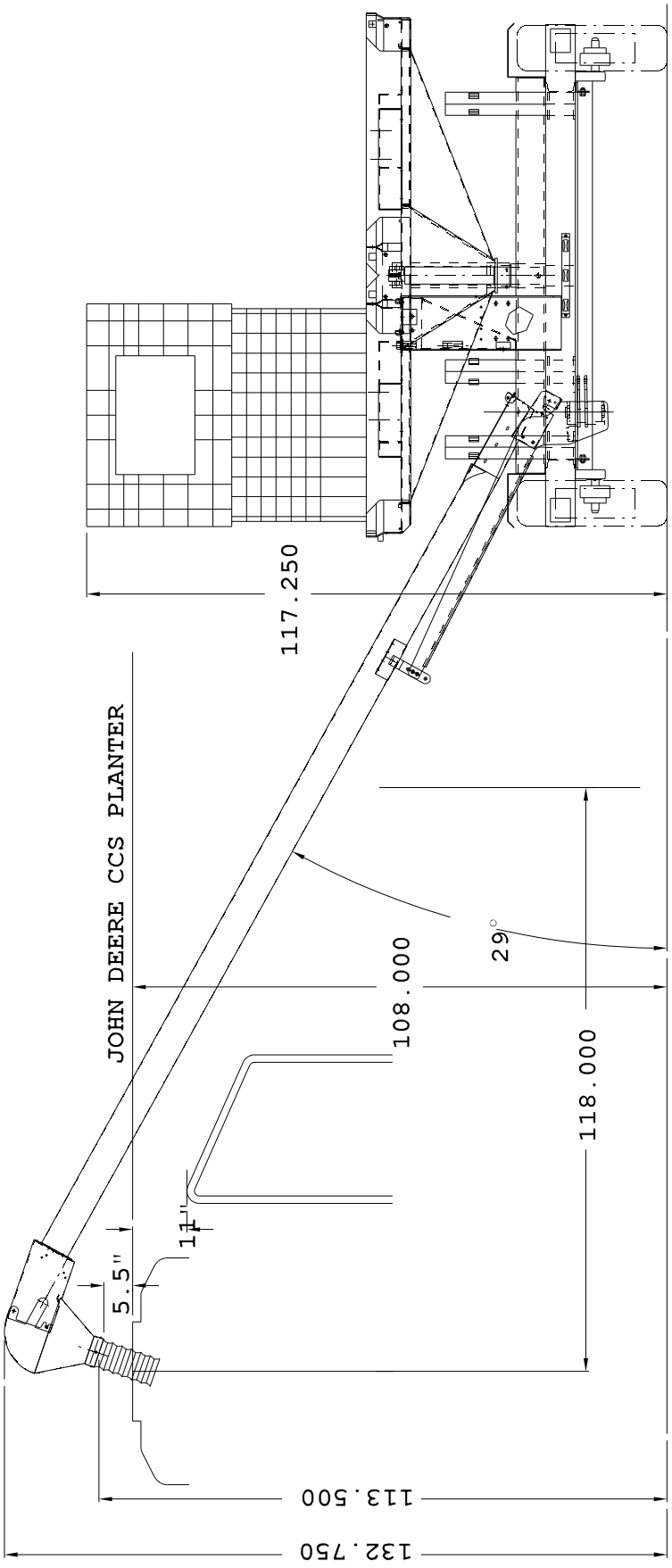
Tighten belt by turning adjustment bolts on head assembly in. Tighten evenly on each side until belt is tight.

To train belt, see belt training instructions in this manual.

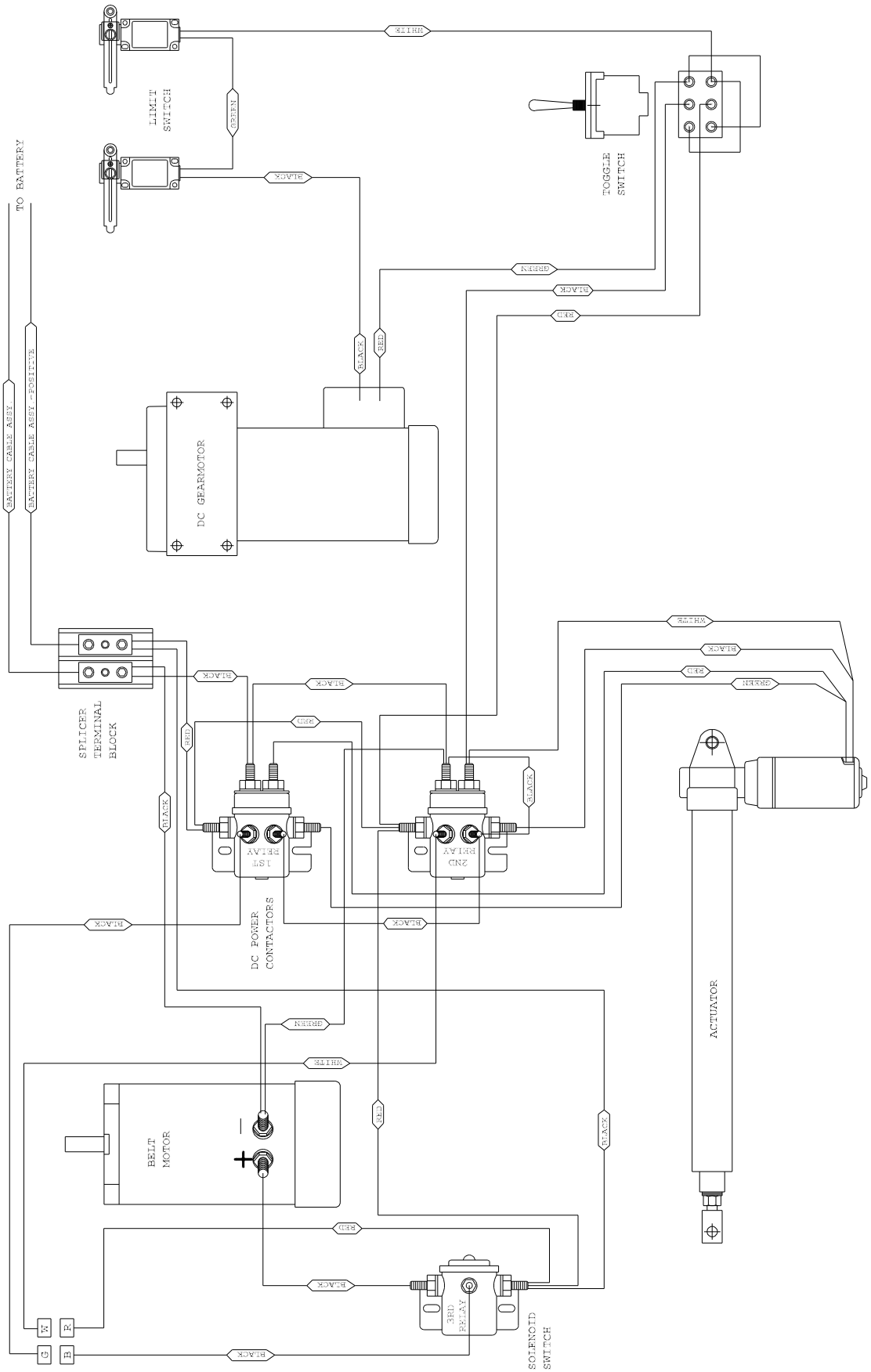
4-Box Rotary Seed Tote Dimensions



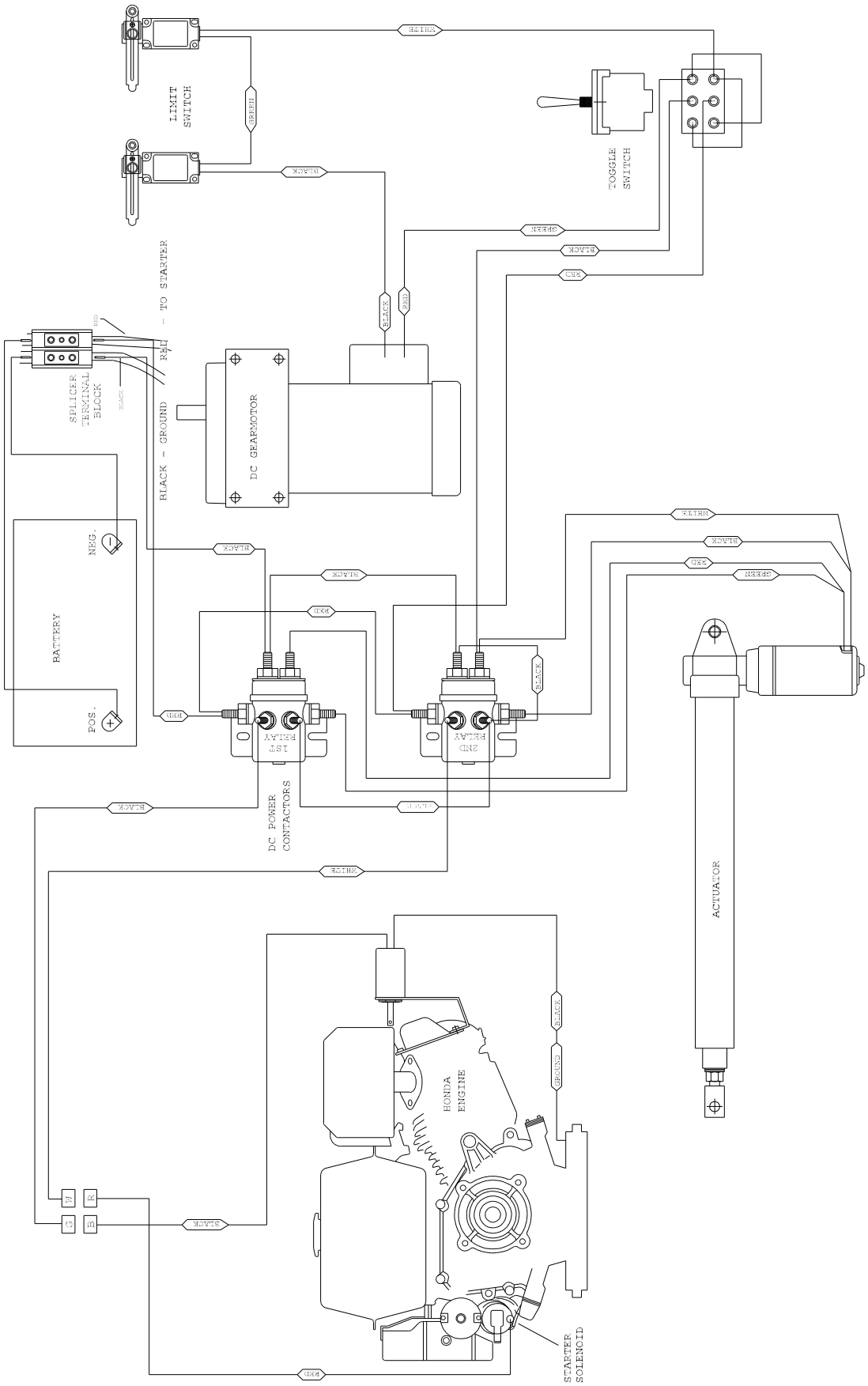
4-Box Rotary Seed Tote Dimensions



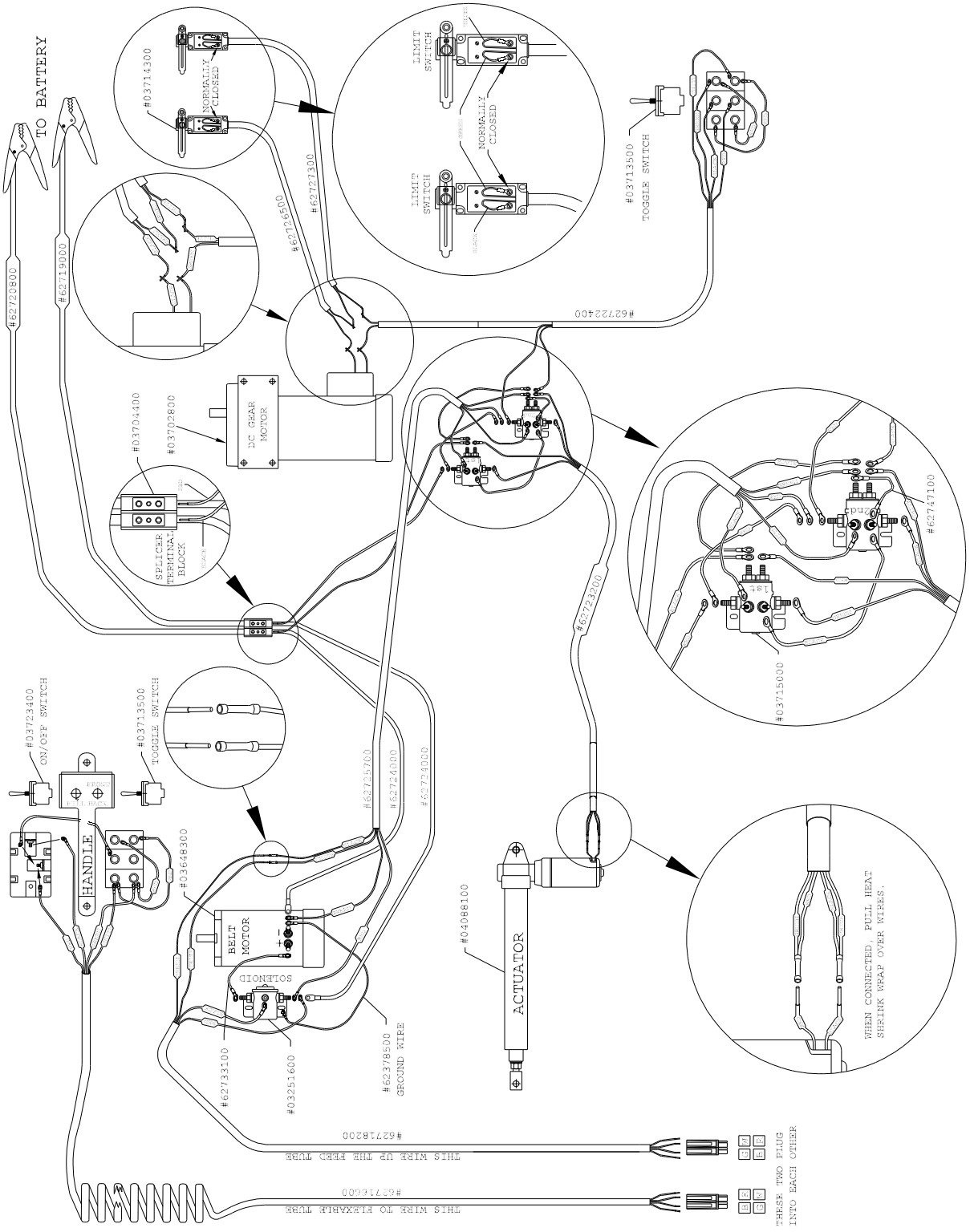
4 Box Rotary Seed Tote
Wiring Diagram - Electric Models



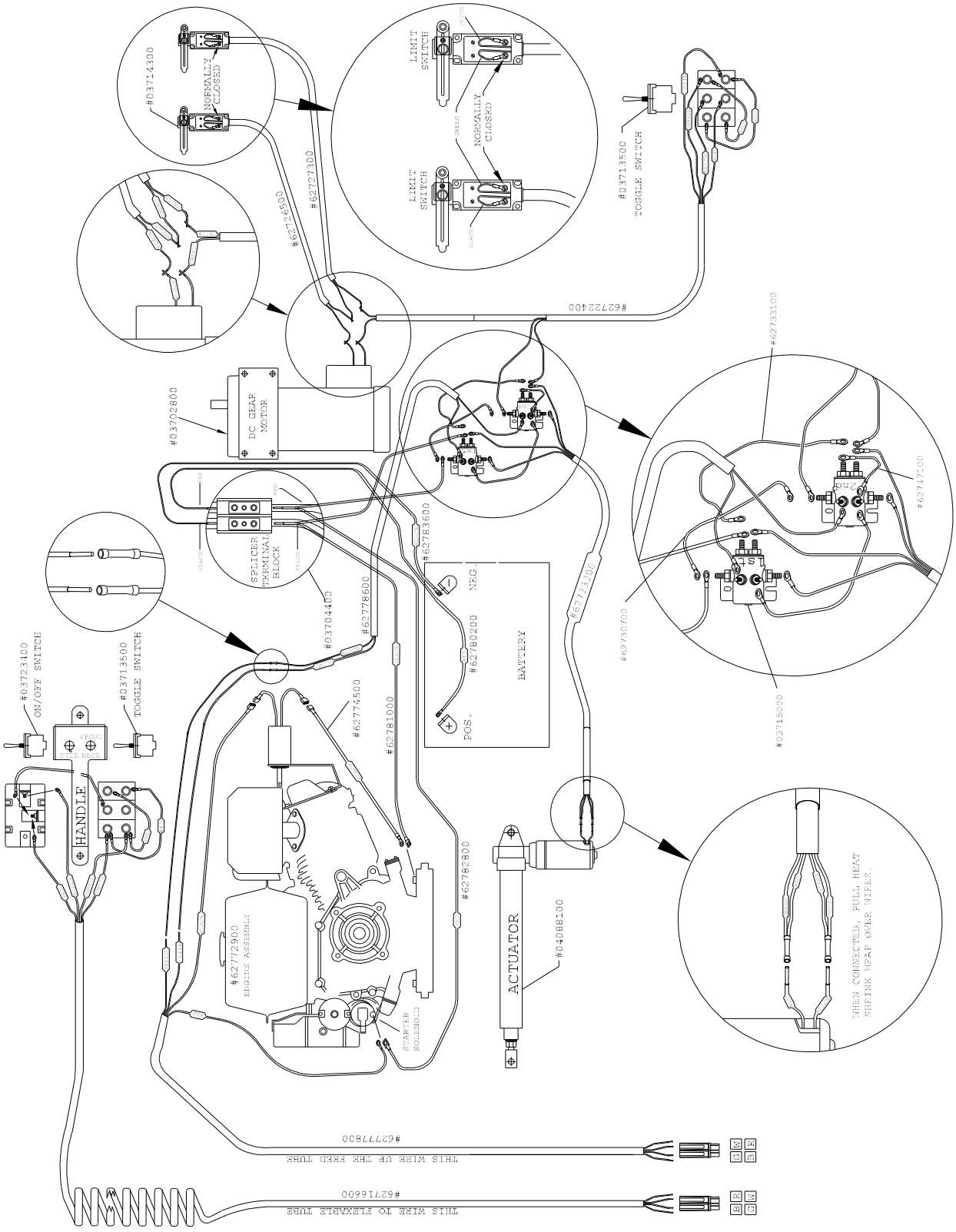
4 Box Rotary Seed Tote
Wiring Diagram - Gas Models



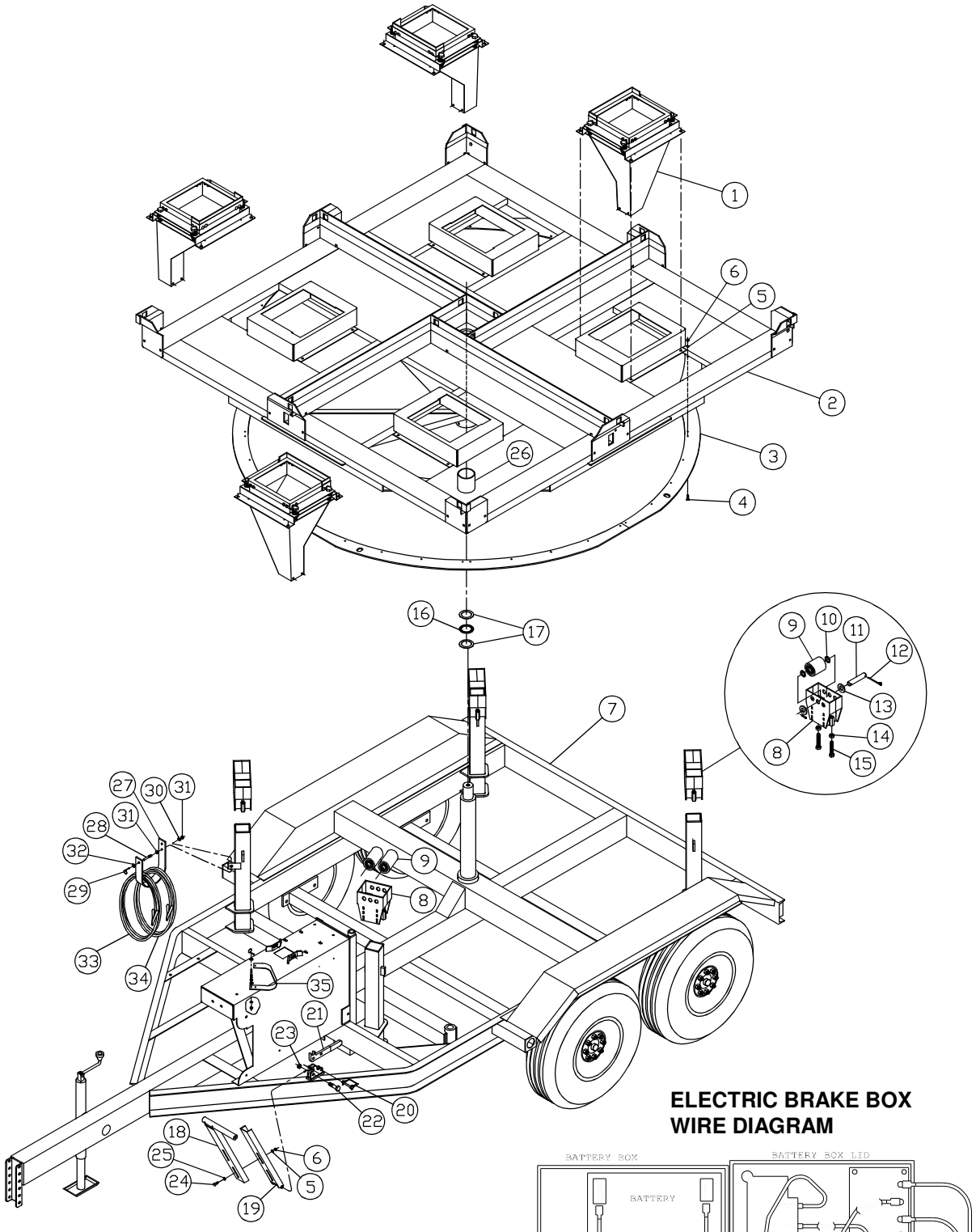
4 Box Seed Tote
Wiring Repair Parts - Electric Models



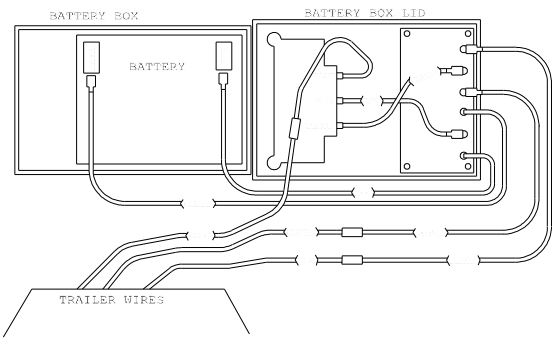
4 Box Seed Tote
Wiring Repair Parts - Gas Models



4 Box Rotary Seed Tote
Trailer & Table



ELECTRIC BRAKE BOX WIRE DIAGRAM

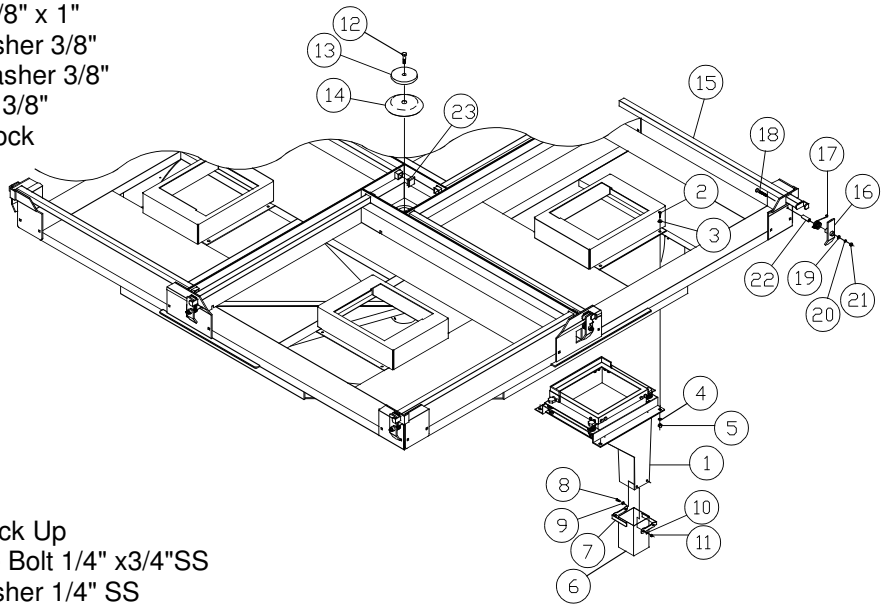


4 Box Rotary Seed Tote Trailer & Table

Item	Qty	Part No.	Description
1	4	62713300	Spout Assembly
2	1	82463100	Table
3	4	20386900	Main Sprocket
4	40	03683000	Screw 5/16 x 1 Hex Socket
5	42	330845	Lock Washer 5/16
6	42	330811	Hex Nut 5/16
7	1	82866500	Trailer
8	4	82455700	Roller Bracket
9	5	03710100	Wheel w/bearings
10	10	335166	Machine Bushing 1½" OD x 1" ID x 10ga
11	5	20338000	Roller Post
12	10	02054500	Cotter Pin 1/4" x 2"
13	10	335786	Flat Washer 1" SAE
14	8	331538	Jam Nut 5/8"
15	8	332973	HHCS 5/8" x 3½" All Thread
16	1	03700200	Thrust Bearing 2.362
17	2	03701000	Thrust Washer 2.362
18	1	82430000	Outside Slide
19	1	82429200	Inside Slide
20	1	00233700	Wire Lock Pin 5/16" x 2 3/4"
21	1	20325700	Spout Hold Down Handle
22	1	336321	HHCS 5/8" x 2 1/4"
23	1	01572700	Nylock Nut 5/8"
24	2	01047000	Carriage Bolt 5/16" x 1"
25	2	330852	Flat Washer 5/16"
26	1	20508800	Bushing 4 x 3.52 x 4 Brass
27	1	16865800	Safety Strap Short
28	1	16864100	Pin 3/8" x 2½"
29	1	330928	Klik Pin 3/16"
30	1	330043	Lock Washer 3/8"
31	2	330035	Hex Nut 3/8"
32	1	330894	Flat Washer 3/8"
33	1	62719000	Battery Cable Red
34	1	62720800	Battery Cable Black

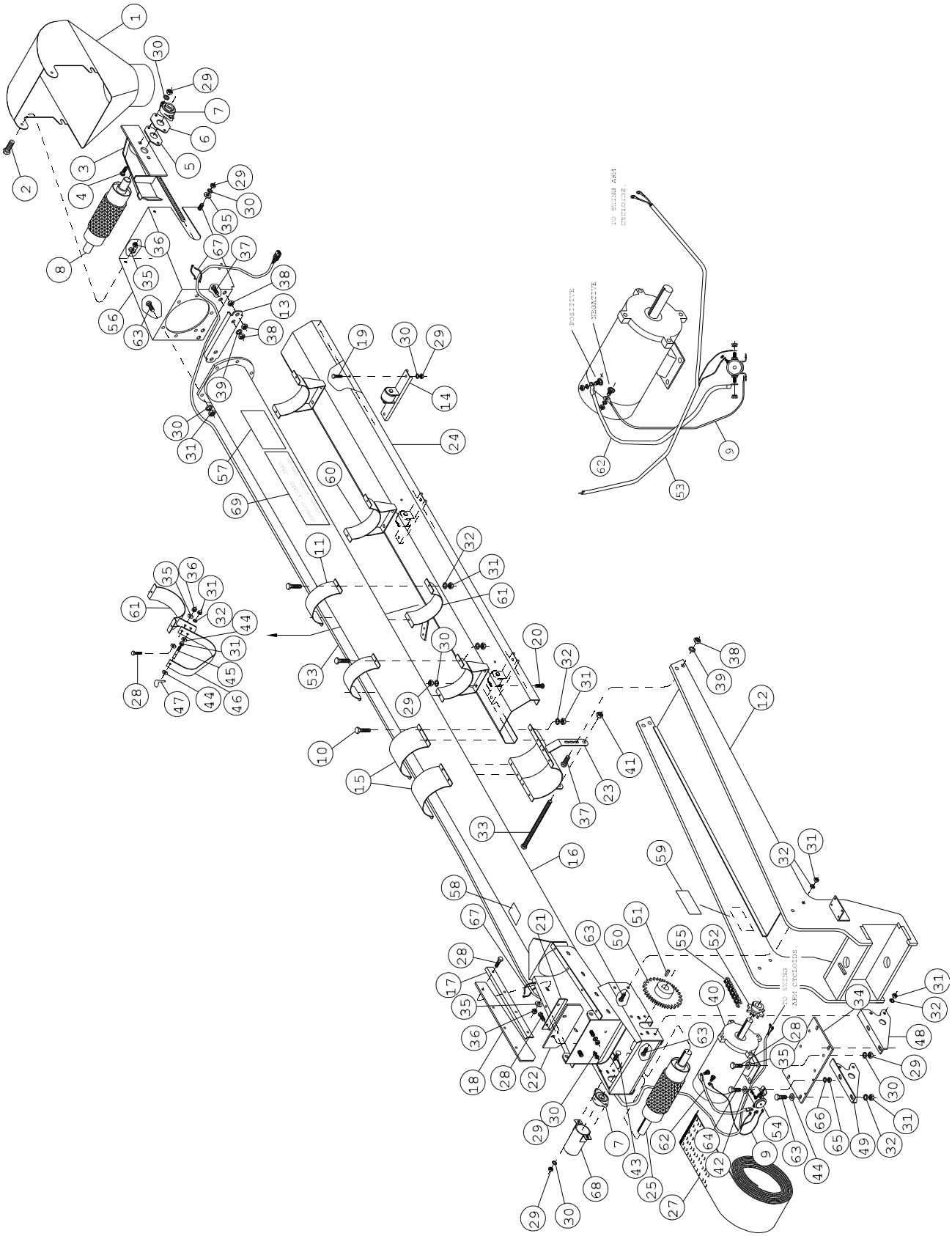
Table & Spout

Item	Qty	Part No.	Description
1	4	62713300	Spout Assembly
2	16	01017300	HHCS 3/8" x 1"
3	16	330894	Flat Washer 3/8"
4	16	330043	Lock Washer 3/8"
5	16	330035	Hex Nut 3/8"
6	4	03680600	Spout Sock



Item	Qty	Part No.	Description
7	8	20410700	Sock Back Up
8	16	336636	Carriage Bolt 1/4" x3/4"SS
9	16	02217800	Flat Washer 1/4" SS
10	16	337550	Lock Washer 1/4" SS
11	16	01507300	Hex Nut 1/4" SS
12	1	335125	HHCS 3/4" x 2"
13	1	20355400	Rain Cover Washer
14	1	13501200	Rain Cover
15	8	82427600	Box Lock Bar
16	8	82425000	Lock Bracket
17	8	03670700	Spring
18	8	03774700	Screw 3/8" x 2½"
19	8	330894	Flat Washer 3/8"
20	8	330043	Lock Washer 3/8"
21	8	3369091	Nylock Jam Nut 3/8"
22	8	20302600	Spring Bushing
23	8	03818200	Square Plug

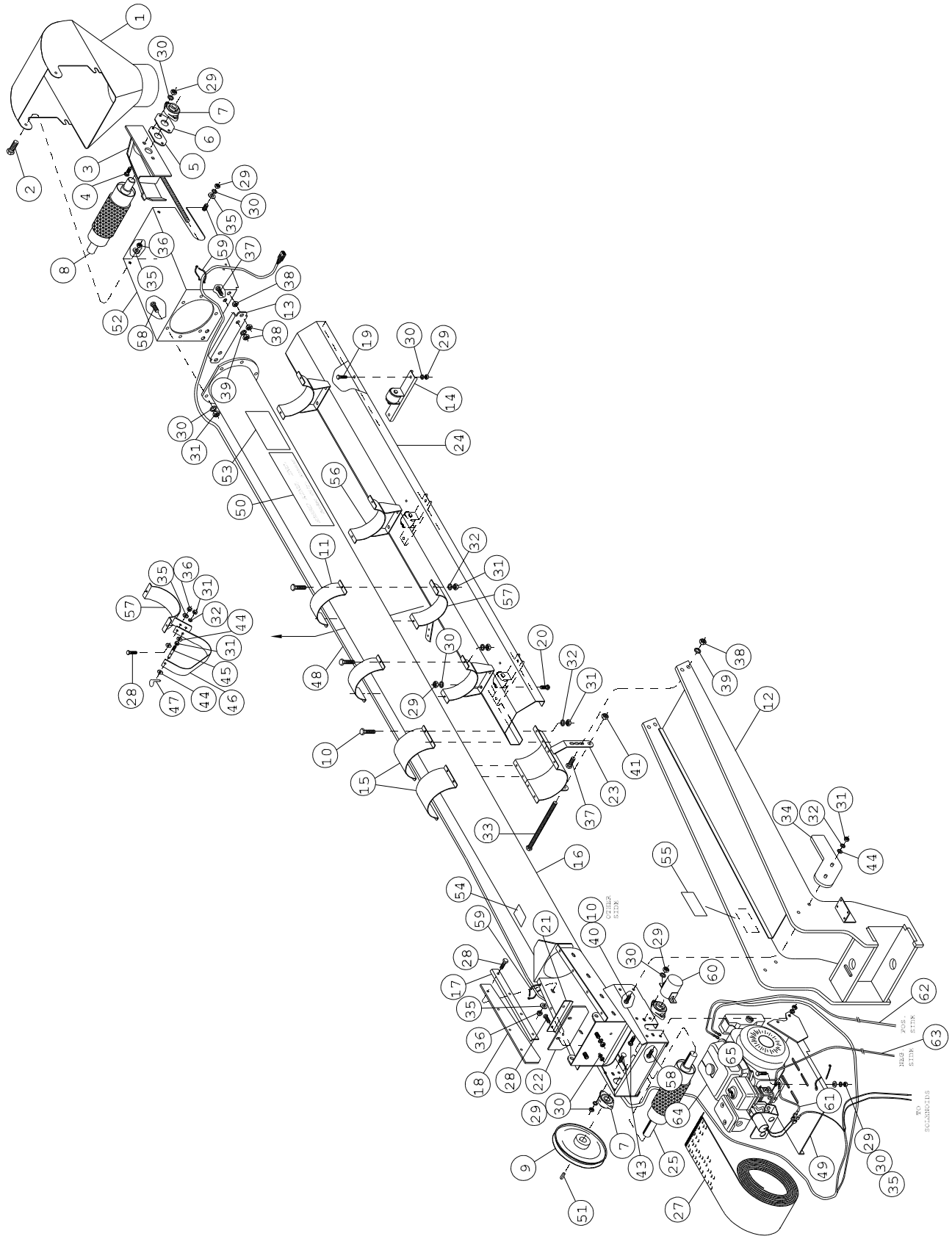
4 Box Rotary Seed Tote
Head and Tail - Electric



4 Box Rotary Seed Tote
Head and Tail - Electric

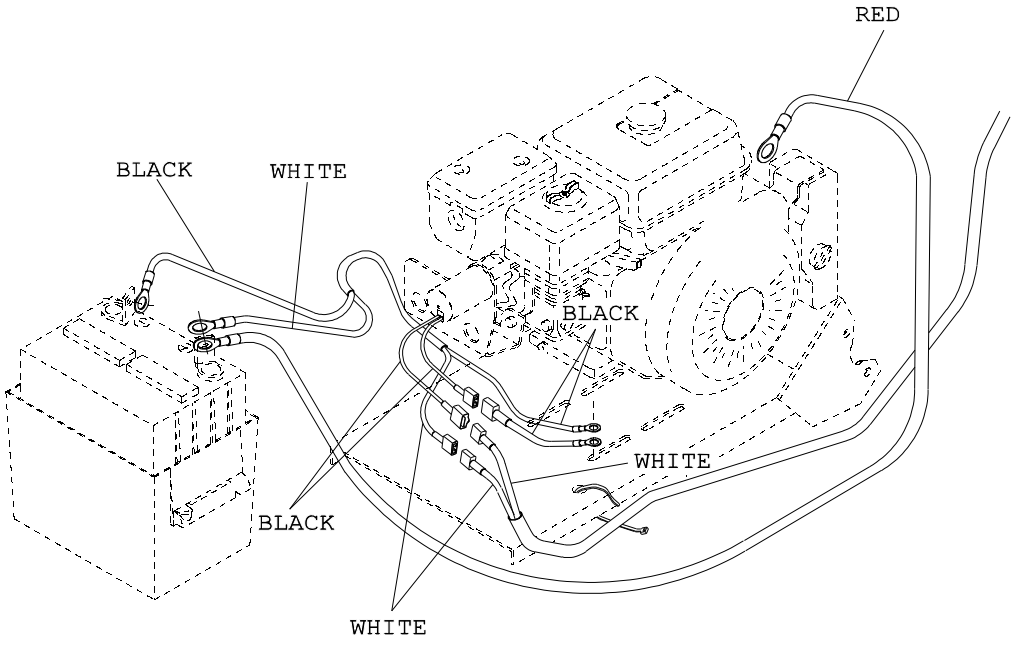
Item	Qty	Part No.	Description
1	1	63198600	Spout w/Lining
2	2	01144500	HHCS 5/16" x 3/4"
3	1	961714	Take-up Bar Right
	1	961565	Take-up Bar Left
4	4	01261700	Carriage Bolt 5/16" x 1½"
5	2	151746	Head Bearing Slide Inner
6	2	151753	Head Bearing Slide Outer
7	4	03001500	Bearing 1"
8	1	62212600	Head Lagged Roller
9	1	62378500	Ground Wire
10	16	01158500	HHCS 3/8" x 1 1/4"
11	4	16577910	Half Band 600 x 2"
12	1	82432600	Spout Brace
13	1	16497000	Adjustment Mount Plate
14	3	62751300	Roller Base
15	2	16578710	Half Band 4"
16	1	82421900	Tail
17	2	16427700	Skirt Board Plate
18	2	16431900	Skirt Board Side
19	6	333542	HHCS 5/16" x 5/8"
20	6	334409	Carriage Bolt 5/16" x 3/4"
21	1	16428500	Skirt Board Plate
22	1	16432700	Skirt Board Back
23	1	82497900	Spout Brace Mount
24	1	20528600	Belt Guard Plate
25	1	62705900	Tail Lagged Roller
27	1	62850300	Belt 8" x 35'-9½"
28	15	01010800	HHCS 5/16" x 1"
29	28	330811	Hex Nut 5/16"
30	34	330845	Lock Washer 5/16"
31	42	330035	Hex Nut 3/8"
32	42	330043	Lock Washer 3/8"
33	1	82465600	Slide Bolt
34	1	17227000	Motor Mount Plate
35	16	330852	Flat Washer 5/16"
36	11	331611	Hex Nylock Nut 5/16"
37	6	335240	HHCS ½" x 1 3/4"
38	10	330134	Hex Nut ½"
39	6	330142	Lock Washer ½"
40	1	03648300	Electric Motor 12 Volt 1 hp
41	1	01572700	Hex Nylock Nut 5/8"
42	3	02016400	Flat Washer 1/4"
43	4	01047000	Carriage Bolt 5/16" x 1"
44	7	330894	Flat Washer 3/8"
45	1	16864100	Spout Pin Shaft
46	1	16865800	Spout Strap
47	1	330928	Klik Pin 3/16"
48	1	17230400	Mount Plate Right
49	1	17229600	Mount Plate Left
50	1	84723600	Sprocket #40 36 Tooth
51	1	17375700	Key 1/4" x 1"
52	1	03722600	Sprocket #40 11 Tooth
53	1	62718200	Tube Cable Assembly
54	1	03251600	Solenoid Switch
55	1	62371000	Chain #40 x 56 Links
56	1	82353400	Head Frame
57	1	606335	Decal Belt Training
58	1	05328000	Decal “Danger Hopper”
59	1	05328000	Decal “Pinch Points”
60	3	82489600	Belt Cover Mount
61	1	81865800	Guard Half Band
62	1	62377700	Positive Connector Cable
63	22	01017300	HHCS 3/8" x 1"
64	2	331835	HHCS 1/4" x 1"
65	4	332205	Hex Nut 1/4"
66	4	330050	Lock Washer 1/4"
67	2	571299	Cable Tie 8½"
68	1	80161300	Shaft End Guard
69	2	01202100	Decal Speed King Letters

4 Box Rotary Seed Tote
Head and Tail - Gas

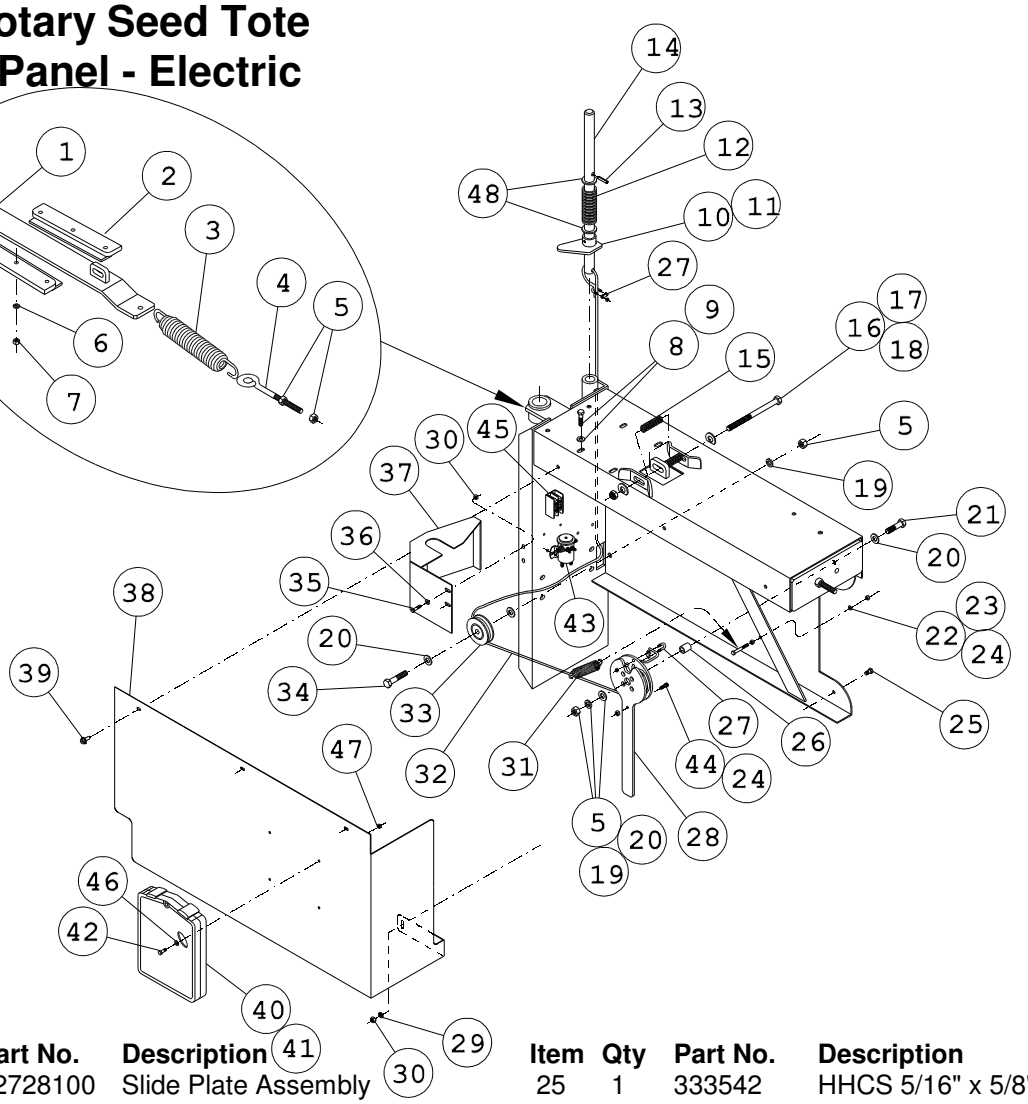


4 Box Rotary Seed Tote
Head and Tail - Gas

Item	Qty	Part No.	Description
1	1	63198600	Spout w/Lining
2	2	01144500	HHCS 5/16" x 3/4"
3	1	961714	Take-up Bar Right
	1	961565	Take-up Bar Left
4	4	01261700	Carriage Bolt 5/16" x 1½"
5	2	151746	Head Bearing Slide Inner
6	2	151753	Head Bearing Slide Outer
7	4	03001500	Bearing 1"
8	1	62212600	Head Lagged Roller
9	1	04255600	Sheave 8 x 1 1B
10	18	01158500	HHCS 3/8" x 1 1/4"
11	4	16577910	Half Band 600 x 2"
12	1	82432600	Spout Brace
13	1	16497000	Adjustment Mount Plate
14	3	62751300	Roller Base Assembly
15	2	16578710	Half Band 4"
16	1	82421900	Tail
17	2	16427700	Skirt Board Plate
18	2	16431900	Skirt Board Side
19	6	333542	HHCS 5/16" x 5/8"
20	6	334409	Carriage Bolt 5/16" x 3/4"
21	1	16428500	Skirt Board Plate
22	1	16432700	Skirt Board Back
23	1	82497900	Spout Brace Mount
24	1	20528600	Belt Guard Plate
25	1	62705900	Tail Lagged Roller
27	1	62850300	Belt 8" x 35'-9½"
28	11	01010800	HHCS 5/16" x 1"
29	28	330811	Hex Nut 5/16"
30	34	330845	Lock Washer 5/16"
31	34	330035	Hex Nut 3/8"
32	34	330043	Lock Washer 3/8"
33	1	82465600	Slide Bolt
34	1	20564100	Stop Plate
35	16	330852	Flat Washer 5/16"
36	11	331611	Hex Nylock Nut 5/16"
37	6	335240	HHCS ½" x 1 3/4"
38	10	330134	Hex Nut ½"
39	6	330142	Lock Washer ½"
40	2	335877	HHCS 3/8" x 1 3/4"
41	1	01572700	Hex Nylock Nut 5/8"
42	1	02016400	Flat Washer 1/4"
43	4	01047000	Carriage Bolt 5/16" x 1"
44	5	330894	Flat Washer 3/8"
45	1	16864100	Spout Pin Shaft
46	1	16865800	Spout Strap
47	1	330928	Klik Pin 3/16"
48	1	62777800	Tube Cable Wire
49	1	82143900	Gas Motor Mount
50	2	01202100	Decal Speed King Letters
51	1	17375700	Key 1/4" x 1"
52	1	82353400	Head Frame
53	1	606335	Decal “Belt Training”
54	1	05328000	Decal “Danger Hopper”
55	1	05315700	Decal “Pinch Points”
56	3	82489600	Belt Cover Mount
57	1	81865800	Guard Half Band
58	10	01017300	HHCS 3/8" x 1"
59	2	571299	Cable Tie 8½"
60	1	82502600	Shaft End Guard
61	1	62774500	Solenoid Ground Cable
62	1	62780200	Starter/Pos Side Relay
63	1	627810	Ground/Motor/Neg Relay
64	1	62772900	Honda Engine
65	4	335448	HHCS 5/16" x 1½"



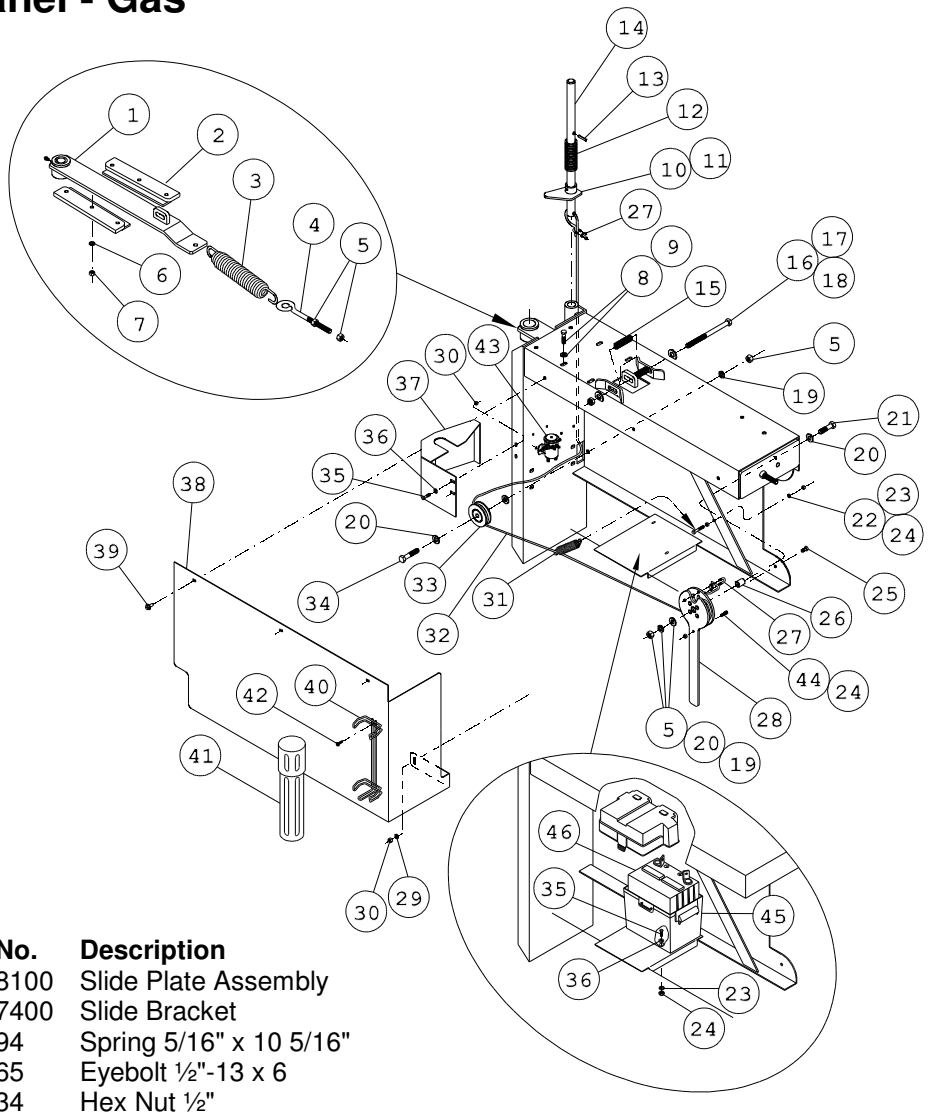
4 Box Rotary Seed Tote
Control Panel - Electric



Item	Qty	Part No.	Description
1	1	62728100	Slide Plate Assembly
2	2	82447400	Slide Bracket
3	1	502294	Spring 5/16" x 10 5/16"
4	1	335265	Eyebolt ½"-13 x 6
5	4	330134	Hex Nut ½"
6	6	330043	Lock Washer 3/8"
7	6	330035	Hex Nut 3/8"
8	6	330894	Flat Washer 3/8"
9	6	335703	HHCS 3/8" x 1½"
10	1	82454000	Stop
11	2	334516	Set Screw 1/4-28 x 1½"
12	1	03705100	Slide Spring
13	1	336057	Roll Pin 1/4" x 1½"
14	1	20352100	Shaft
15	2	03676400	Spring ½" x 2½"
16	1	335505	HHCS ½" x 7"
17	2	02222800	Flat Washer 5/8" SS
18	1	331363	Hex Nylock Nut ½"
19	2	330142	Lock Washer ½"
20	4	330159	Flat Washer ½"
21	1	331926	HHCS ½" x 2"
22	1	330514	HHCS 1/4" x 2"
23	1	330050	Lock Washer 1/4"
24	4	332205	Hex Nut 1/4"

Item	Qty	Part No.	Description
25	1	333542	HHCS 5/16" x 5/8"
26	1	20359600	Handle Bushing
27	3	02143600	Cable Clamp 3/16"
28	1	82448200	Handle
29	1	330845	Lock Washer 5/16"
30	1	330811	Hex Nut 5/16"
31	1	500173	Spring .148 x 3"
32	5'	05115100	Cable 3/16" SS
33	1	68031400	Cable Pulley 3"
34	1	335422	HHCS ½" x 2½"
35	2	331835	HHCS 1/4" x 1"
36	2	02016400	Flat Washer 1/4"
37	1	82449000	Chain Guard
38	1	20399200	Shield Plate
39	3	01200500	Screw 5/16 x3/4" Self-Tap
40	1	607416	Manual Pak
41	1	03728300	Owners Manual
42	4	01057900	HHCS 1/4" x 3/4"
43	2	03715000	Solenoid 70 Series
44	1	338269	Screw 1/4" x 1" Socket Hd
45	2	03704400	Wire Splicer
46	4	02016400	Flat Washer 1/4"
47	4	330522	Hex Nylock Nut 1/4"
48	2	335166	Machine Bushing 1" ID x 1½" x 10ga

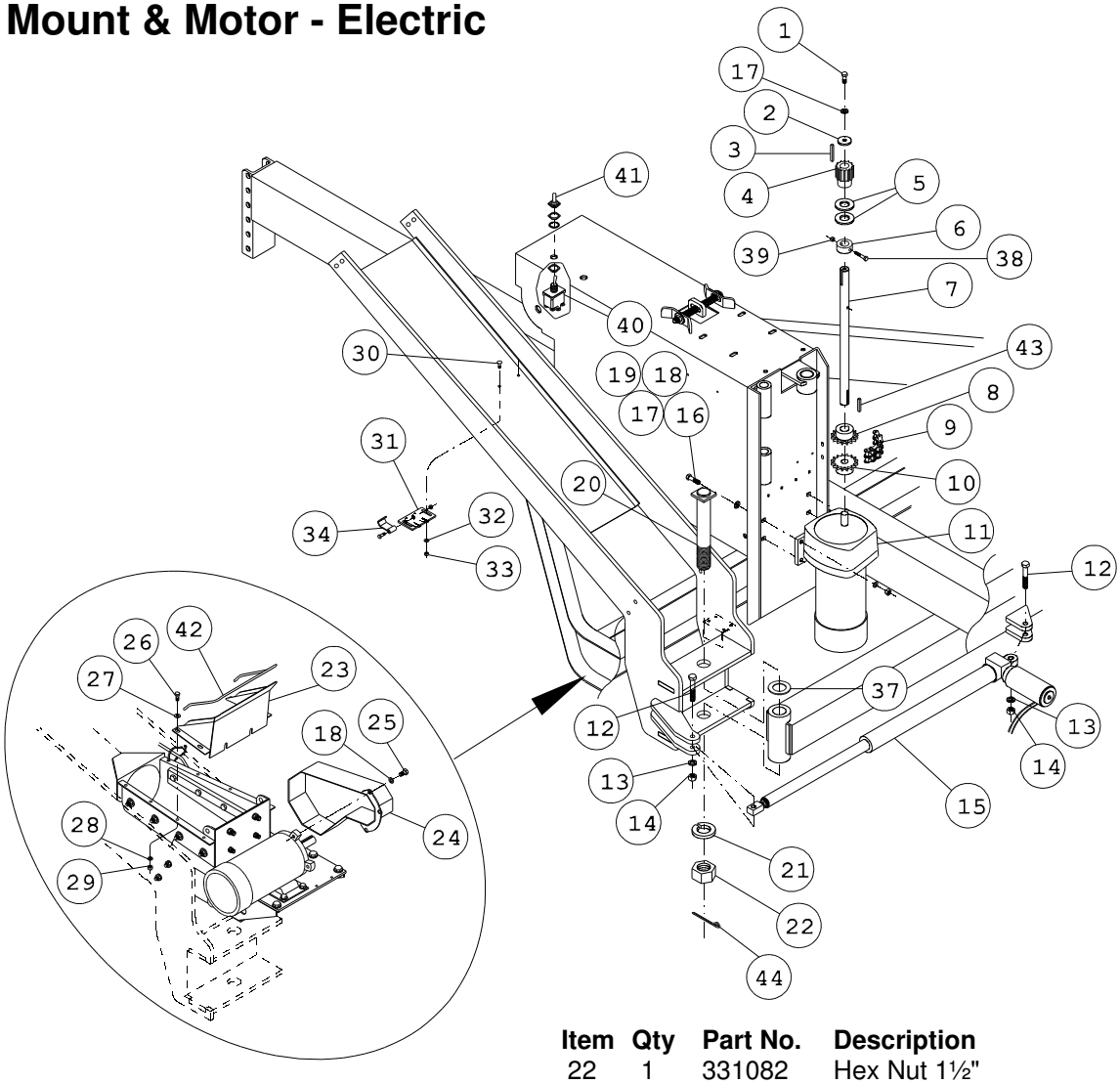
4 Box Rotary Seed Tote
Control Panel - Gas



Item	Qty	Part No.	Description
1	1	62728100	Slide Plate Assembly
2	2	82447400	Slide Bracket
3	1	502294	Spring 5/16" x 10 5/16"
4	1	335265	Eyebolt ½"-13 x 6
5	4	330134	Hex Nut ½"
6	6	330043	Lock Washer 3/8"
7	6	330035	Hex Nut 3/8"
8	6	330894	Flat Washer 3/8"
9	6	335703	HHCS 3/8" x 1½"
10	1	82454000	Stop
11	2	334516	Set Screw 1/4-28 x 1½"
12	1	03705100	Slide Spring
13	1	336057	Roll Pin 1/4" x 1½"
14	1	20352100	Shaft
15	2	03676400	Spring ½" x 2½"
16	1	335505	HHCS ½" x 7"
17	2	02222800	Flat Washer 5/8" SS
18	1	331363	Hex Nylock Nut ½"
19	2	330142	Lock Washer ½"
20	4	330159	Flat Washer ½"
21	1	331926	HHCS ½" x 2"
22	1	330514	HHCS 1/4" x 2"
23	3	330050	Lock Washer 1/4"
24	6	332205	Hex Nut 1/4"
25	1	333542	HHCS 5/16" x 5/8"
26	1	20359600	Handle Bushing

Item	Qty	Part No.	Description
27	3	02143600	Cable Clamp 3/16"
28	1	82448200	Handle
29	1	330845	Lock Washer 5/16"
30	1	330811	Hex Nut 5/16"
31	1	500173	Spring .148 x 3"
32	5'	05115100	Cable 3/16" SS
33	1	68031400	Cable Pulley 3"
34	1	335422	HHCS ½" x 2½"
35	4	331835	HHCS 1/4" x 1"
36	4	02016400	Flat Washer 1/4"
37	1	82449000	Chain Guard
38	1	20399200	Shield Plate
39	3	01200500	Screw 5/16 x3/4" Self-Tap
40	1	02890200	Cannister Mount Bracket
41	1	02889400	Cannister
42	2	02133700	Screw #10-24 x 3/4"
43	2	03715000	Solenoid 70 Series
44	1	338269	Screw 1/4" x 1" Socket Hd
45	1	01429000	Battery Box

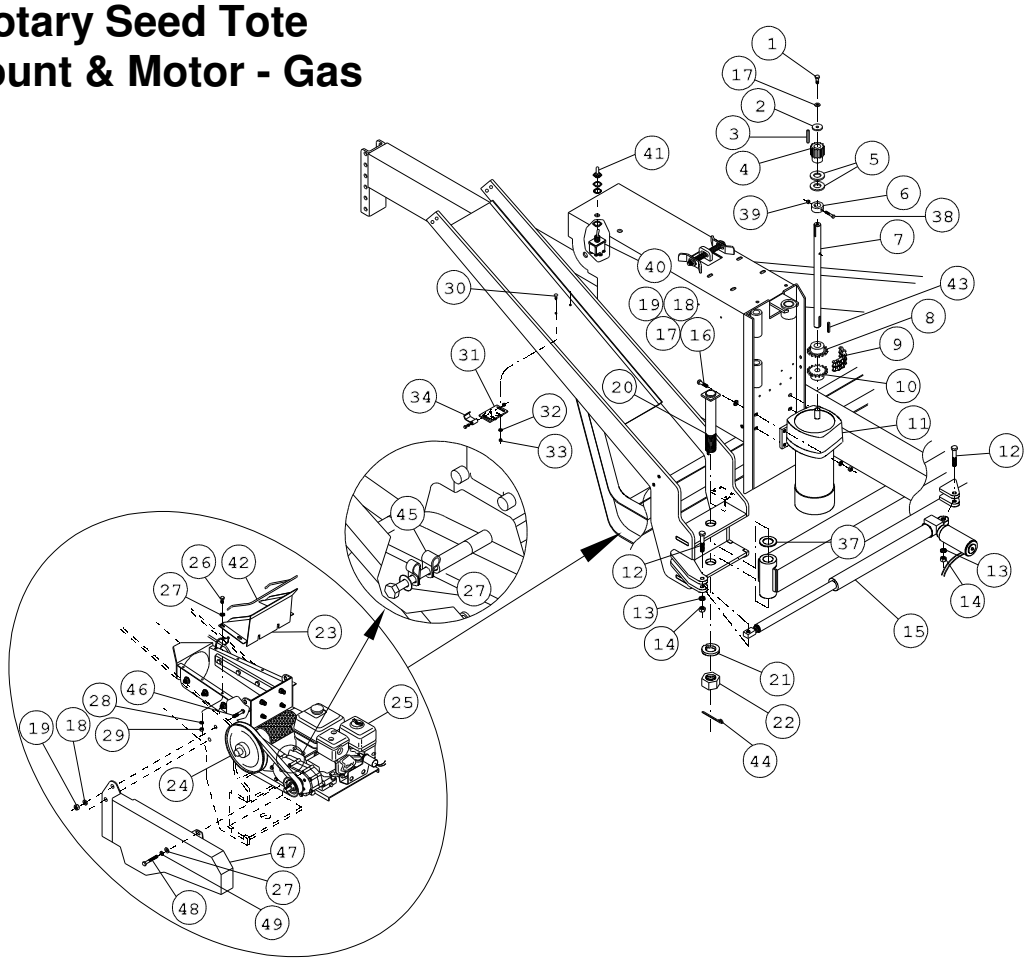
4 Box Rotary Seed Tote
Tube Mount & Motor - Electric



Item	Qty	Part No.	Description
1	1	01017300	HHCS 3/8" x 1"
2	1	16623100	Shaft Washer
3	1	10876100	Key 1/4" x 2 3/8"
4	1	03709300	Gear 12T 14½" Steel Spur
5	2	330407	Flat Washer 1"
6	1	20398400	Drive Shaft Tube
7	1	20351300	Drive Shaft
8	1	03707700	Chain Coupler 16T 1" B
9	1	03706900	Chain Coupler 16T 3/4" B
10	1	03708500	Chain #40 Double x 8
11	1	03702800	Motor 12 volt
12	2	334946	HHCS ½" x 3"
13	2	330142	Lock Washer ½"
14	2	330134	Hex Nut ½"
15	1	03703600	Actuator 500#
16	4	335703	HHCS 3/8" x 1½"
17	4	330894	Flat Washer 3/8"
18	4	330043	Lock Washer 3/8"
19	7	330035	Hex Nut 3/8"
20	1	82434200	Tail Swivel Pin
21	1	335943	Lock Washer 1½"

Item	Qty	Part No.	Description
22	1	331082	Hex Nut 1½"
23	1	82466400	Chute
24	1	82468000	Motor Shield
25	3	01145200	HHCS 3/8" x 3/4"
26	4	01144500	HHCS 5/16" x 3/4"
27	4	330852	Flat Washer 5/16"
28	4	330845	Lock Washer 5/16"
29	4	330811	Hex Nut 5/16"
30	2	337949	Carriage Bolt 1/4" x 3/4"
31	1	82439100	Slide Lock Mount
32	2	02016400	Flat Washer 1/4"
33	2	332205	Hex Nut 1/4"
34	1	82476300	Slide Lock Hook
35	1	335133	HHCS 1/4" x 1 3/4"
36	1	330522	Hex Nylock Nut 1/4"
37	1	03674900	Brass Thrust Washer 1"
38	1	02300200	HHCS 5/16" x 2"
39	1	332247	Hex Jam Nut 5/16"
40	1	03713500	Switch On-Off-On 10 Amp
41	1	03682200	Switch Boot Seal
42	2.3'	00671800	Trim Lock
43	1	17375700	Key 1/4" x 1"
44	1	332403	Cotter Pin 3/16" x 2 1/4"

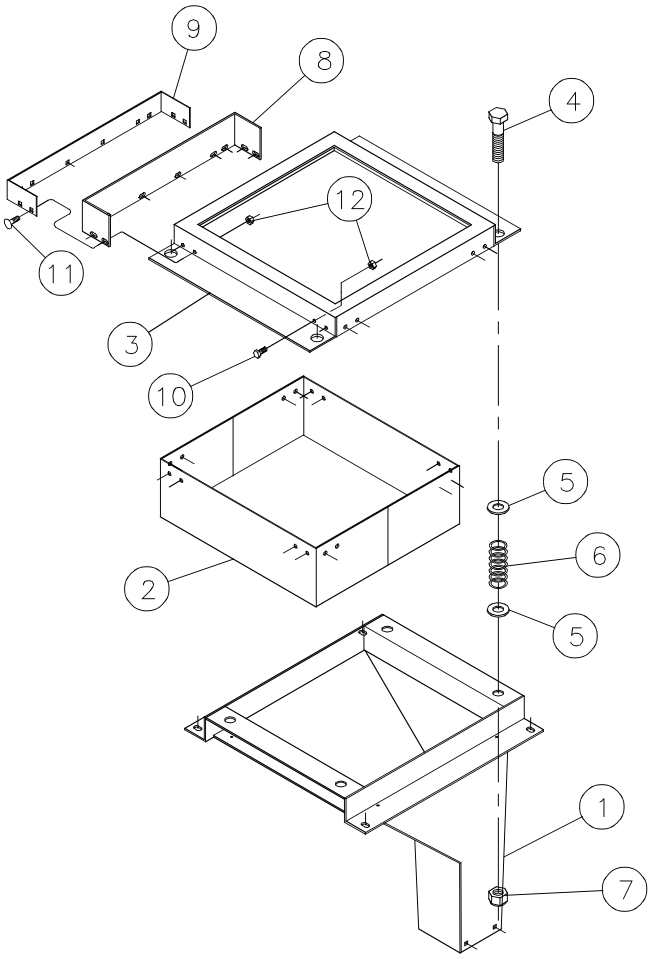
4 Box Rotary Seed Tote
Tube Mount & Motor - Gas



Item	Qty	Part No.	Description
1	1	01017300	HHCS 3/8" x 1"
2	1	16623100	Shaft Washer
3	1	10876100	Key 1/4" x 2 3/8"
4	1	03709300	Gear 12T 14½" Steel Spur
5	2	330407	Flat Washer 1"
6	1	20398400	Drive Shaft Tube
7	1	20351300	Drive Shaft
8	1	03707700	Chain Coupler 16T 1" B
9	1	03706900	Chain Coupler 16T 3/4" B
10	1	03708500	Chain #40 Double x 8
11	1	03702800	Motor 12 volt
12	2	334946	HHCS ½" x 3"
13	2	330142	Lock Washer ½"
14	2	330134	Hex Nut ½"
15	1	03703600	Actuator 500#
16	4	335703	HHCS 3/8" x 1½"
17	4	330894	Flat Washer 3/8"
18	1	330043	Lock Washer 3/8"
19	7	330035	Hex Nut 3/8"
20	1	82434200	Tail Swivel Pin
21	1	335943	Lock Washer 1½"
22	1	331082	Hex Nut 1½"
23	1	82466400	Chute
24	1	03752300	V-Belt B-44
25	1	62772900	Engine

Item	Qty	Part No.	Description
26	4	01144500	HHCS 5/16" x 3/4"
27	6	330852	Flat Washer 5/16"
28	4	330845	Lock Washer 5/16"
29	4	330811	Hex Nut 5/16"
30	2	337949	Carriage Bolt 1/4" x 3/4"
31	1	82439100	Slide Lock Mount
32	2	02016400	Flat Washer 1/4"
33	2	332205	Hex Nut 1/4"
34	1	82476300	Slide Lock Hook
35	1	335133	HHCS 1/4" x 1 3/4"
36	1	330522	Hex Nylock Nut 1/4"
37	1	03674900	Brass Thrust Washer 1"
38	1	02300200	HHCS 5/16" x 2"
39	1	332247	Hex Jam Nut 5/16"
40	1	03713500	Switch On-Off-On 10 Amp
41	1	03682200	Switch Boot Seal
42	2.3'	00671800	Trim Lock
43	1	17375700	Key 1/4" x 1"
44	1	332403	Cotter Pin 3/16" x 2 1/4"
45	2	01059500	Clamp 5/16"
46	2	01158500	HHCS 3/8" x 1 1/4"
47	1	20566600	Belt Shield
48	1	03762200	Bolt #6m x60mm -1mm Pitch
49	1	330050	Lock Washer 1/4"

4 Box Rotary Seed Tote
Spout



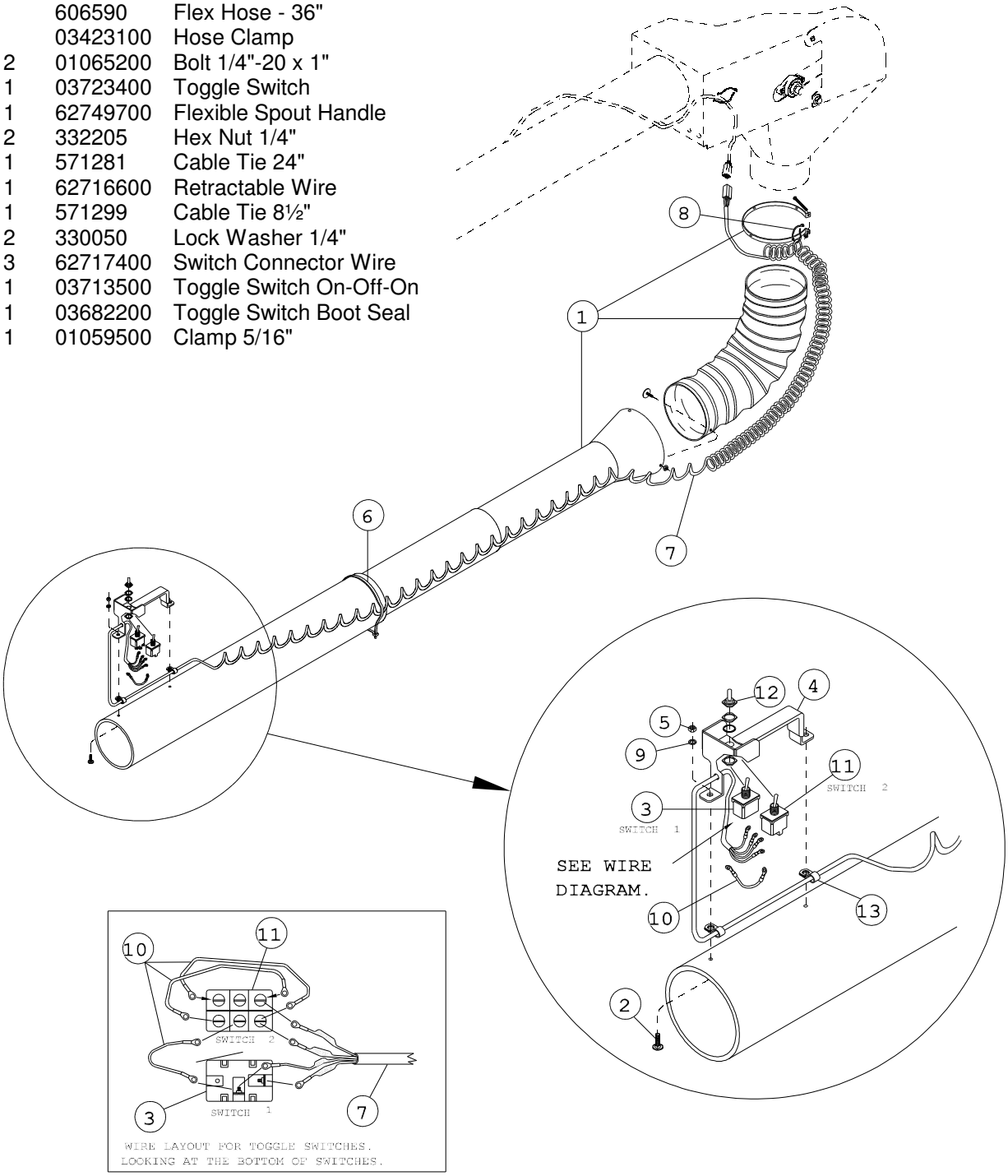
#62713300
Spout Assembly

Item	Qty	Part No.	Description
1	1	82438300	Spout
2	1	82105800	Spout Frame Inside
3	1	82107400	Spout Frame Top
4	4	335620	HHCS 5/8 x 3"
5	8	330183	Flat Washer 5/8"
6	4	501031	Spring 7/64" x 2 3/4"
7	4	01572700	Hex Nylock Nut 5/8"
8	1	17252800	Deflector
9	1	17251000	Deflector Back Up
10	8	01057900	HHCS 1/4" x 3/4"
11	10	336636	Carriage Bolt 1/4" x 3/4" SS
12	18	332205	Hex Nut 1/4"

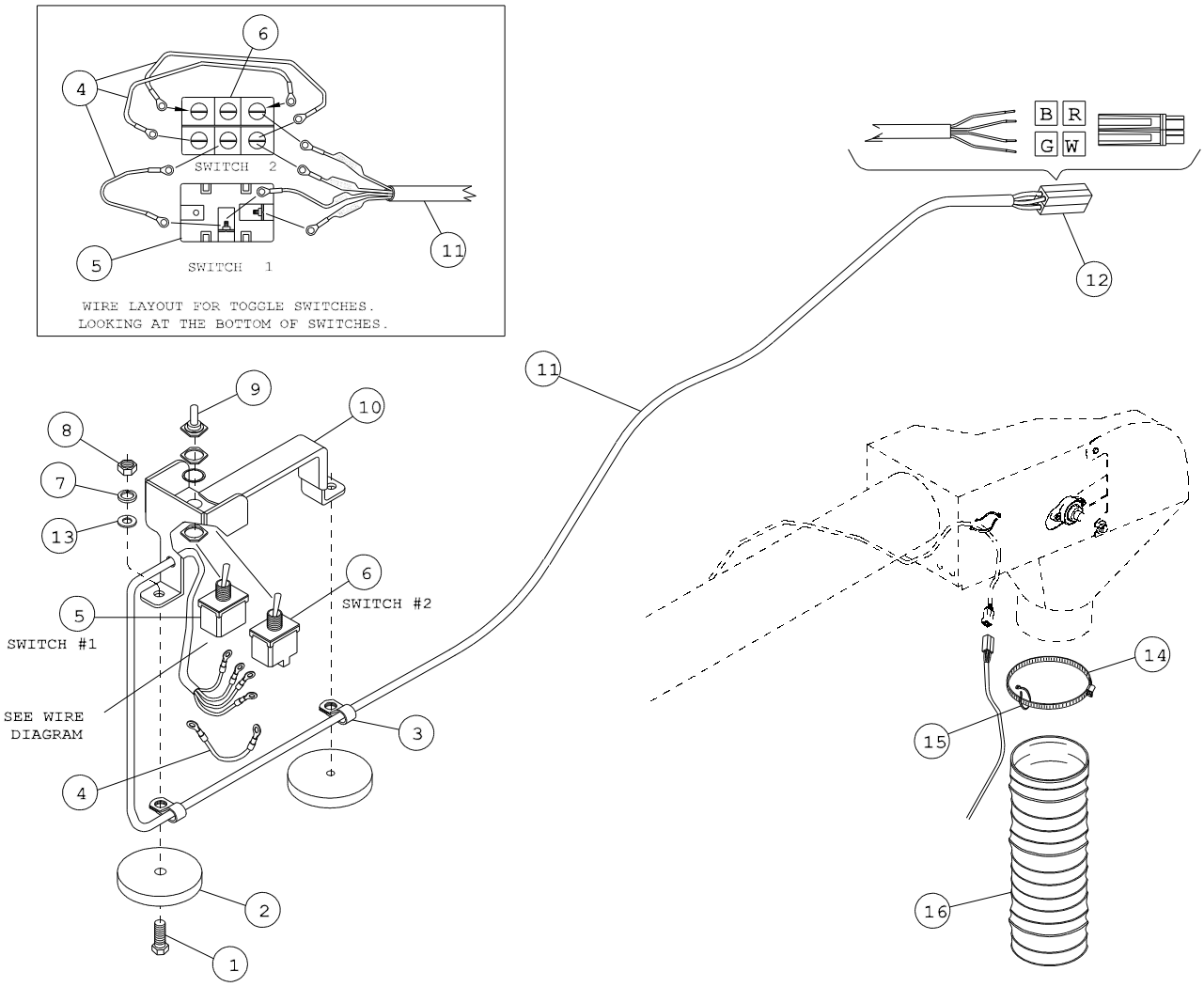
4 Box Rotary Seed Tote
Flexible Spout

#62715800 - Flexible Spout Assembly

Item	Qty	Part No.	Description
1	1	01526300	Telescoping Spout 3 Section
		17669300	Flex Hose - 20"
		606590	Flex Hose - 36"
		03423100	Hose Clamp
2	2	01065200	Bolt 1/4"-20 x 1"
3	1	03723400	Toggle Switch
4	1	62749700	Flexible Spout Handle
5	2	332205	Hex Nut 1/4"
6	1	571281	Cable Tie 24"
7	1	62716600	Retractable Wire
8	1	571299	Cable Tie 8½"
9	2	330050	Lock Washer 1/4"
10	3	62717400	Switch Connector Wire
11	1	03713500	Toggle Switch On-Off-On
12	1	03682200	Toggle Switch Boot Seal
13	1	01059500	Clamp 5/16"



4 Box Rotary Seed Tote
Control Cable - CCS



#62745700 - Control Cable CCS

Item	Qty	Part No.	Description
1	2	01057900	HHCS 1/4" x 3/4"
2	2	03742400	Magnet
3	2	01059500	Clamp 5/16"
4	3	62717400	Switch Connector Wire
5	1	03723400	Toggle Switch
6	1	03713500	Switch On-Off-On 10 Amp
7	2	330050	Lock Washer 1/4"
8	2	332205	Hex Nut 1/4"
9	2	03682200	Switch Boot Seal
10	1	62749700	Flexible Spout Handle
11	20'	03699600	Wire #16-4
12	4	03261500	Plug 16 ga
13	2	02016400	Flat Washer 1/4"
14	1	03423100	Hose Clamp
15	1	571299	Cable Tie
16	1	03334000	Hose 6" Kanaflex 18"

CrustBuster
SPEED KING INC.

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