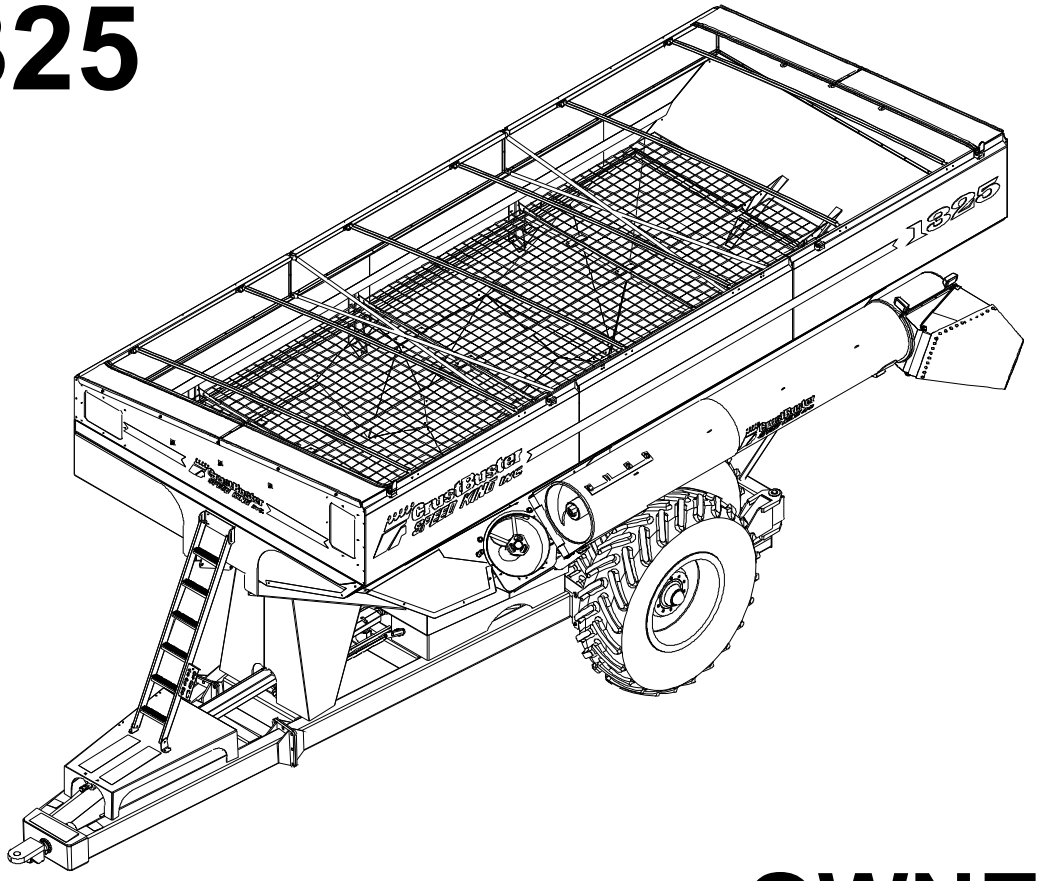
P.O. Box 526 - Spearville, Kansas 67876 - (620) 227-7106
crustbuster.com

Grain Cart
1325



OWNER'S MANUAL

#613521 (2013)

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Warranty

WARRANTY: In addition to the implied warranties of fitness and of merchantability, CrustBuster®/Speed King, Inc. warrants new products sold by it to be free from defects in workmanship and material for a period of 12 months, from the date of delivery to the first user customer. Warranty on purchased parts (cylinder, blades, bearings, shanks, etc.) will be the same as that offered by the appropriate manufacturer of these parts.

EXCLUSIONS: No warranty of any kind is made by CrustBuster®/Speed King, Inc. with regard to new products which have been subject to operation in excess of recommended capacities, misuse, abuse, negligence, or accident, or have been altered or repaired in any manner not authorized by CrustBuster®/Speed King, Inc. CrustBuster®/Speed King, Inc. is constantly striving to improve its products. Changes in design and improvement will be made whenever CrustBuster®/Speed King, Inc. believes the efficiency of its products will be improved thereby, but without incurring any obligation to incorporate such improvements in any products which have been shipped or are in service. No obligation exists for compensation of unauthorized repairs or modifications without prior approval. And in no event will CrustBuster®/Speed King, Inc. be liable for consequential damages, such as but not limited to: downtime, delayed or late tillage or planting, etc.

WARRANTY REGISTRATION: This warranty is not valid unless registered with CrustBuster®/Speed King, Inc. within 10 days from the date of purchase. It is the sole responsibility of the selling retail dealer to fill out the registration forms and see that they are properly filed with CrustBuster®/Speed King, Inc. This can be done at crustbuster.com.

WARRANTY PROCEDURE: Should any part fail to conform with this warranty, CrustBuster®/Speed King, Inc. will repair or replace the part or parts which do not conform. If a part is defective, take it to your authorized CrustBuster® Farm Equipment Dealer immediately, along with your warranty registration, and complete the proper forms requesting a warranty adjustment. Our representative will pick up the part to be returned to the factory for examination. If the customer (first user) requests that a new part be substituted for the old part, a new part will be charged to the dealer who will in turn charge the customer. If the part is found by us to be defective, a credit for the part will be given to the dealer to be passed on to the customer. If the dealer or customer wishes to repair the part, this will be done only if authorized by CrustBuster®/Speed King, Inc. This warranty procedure is in addition to all remedies authorized by law.

CRUSTBUSTER®/SPEED KING, INC.
Box 526

Spearville, KS 67876

Specifications are subject to change without notice. CrustBuster ® is a registered trademark of CrustBuster/Speed King, Inc.

Dealer Preparation Check List

Complete the items below before delivering the cart.

- ☐ Gearbox filled with oil
- ☐ All fittings lubricated
- ☐ All shields in place and in good condition
- ☐ All fasteners torqued to specifications on chart *(Page 21)*
- ☐ Tires inflated to proper pressure according to chart *(Page 21)*
- ☐ Check jack stand for proper stability
- ☐ All decals in place and readable
- ☐ Operator's manual has been delivered to owner and the owner has been instructed on safe and proper use of the cart

Dealer's Signature _____

Customer's Signature _____

This check list is to remain in the owner's manual

It is the responsibility of the dealer to complete the procedures listed above before the delivery of this cart to the new owner.

To the Owner

This operator's manual is to be kept with this cart regardless of ownership.



CAUTION: **Some of the illustrations in this manual may show the shields or covers removed for clarity. NEVER OPERATE GRAIN CART without all shields and covers in place.**

Be sure to read all instructions for adjusting and operation of the cart contained in this manual. Check each item referred to and acquaint yourself with them.

After each season, thoroughly clean your cart and inspect it for worn or damaged parts. Leave the clean-out door located at the bottom open. This allows water to drain.

Your dealer has original equipment parts for your grain cart. When you need parts, always specify the model number and the serial number. Write these numbers in the spaces provided below. The serial plate is on the front of the cart.

Model Number	Serial Number
1325	

Introduction

This manual provides the necessary instructions for using and maintaining your grain cart. In addition, it contains information on service, warranty, parts ordering, and safety considerations when using the grain cart.

Your grain cart represents the latest in farm equipment technology. It has been continually redeveloped and improved over the last sixty years to better serve grain farmers all over the country. It is designed to be used with all types of grains without any modification required on the cart.

Your grain cart is designed to be towed by a tractor. The size of the tractor required depends on the capacity of the cart and the field conditions. The tractor must be equipped with a 1.75 -20 Tooth - 1000RPM PTO for the PTO model on your cart. The tractor also must have an adequate hydraulic system. Two remote hydraulic connections are required for the PTO models and four remotes for the hydraulic drive models at (2500 psi & 22 gpm).

Please take the time to read this manual, especially the section on safety. If after reading the manual you have any questions that your dealer cannot answer, please feel free to contact:

CrustBuster/Speed King, Inc.
P.O. Box 1438
Dodge City, Kansas 67801
Phone: 620 227-7106

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. 

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury. 

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. 

NOTICE: Used to address practices not related to physical injury. 

Initial Use

A careful operator is the best insurance against an accident!



CAUTION: **Misuse or modification of this machine can cause**
- **Mechanical breakdown**
- **Personal injury or death**

Before using this equipment for the first time, make sure you thoroughly understand all of the operating instructions and have completely read this manual.

All carts are shipped field ready; however, before initial use the following items should be checked:

- All wheel lug nuts should be torqued to 450 ft-lbs of torque prior to initial use and should be checked periodically.
- Tires should be inflated to 58 psi.
- Any retaining straps should be removed from the top auger.
- Close dump door on bottom auger tube. (Leave this door open when not in use to allow for water drainage.)
- Make sure sufficient counter weights are used on tractor front end.
- Move tractor draw bar to shortest position.
- The hitch used on the 1325 cart requires a clevis type drawbar. If your tractor is not equipped with such, please contact your dealer.
- Connect hydraulic hoses and PTO shaft. Make sure the PTO shaft can telescope both inward and outward at least 3".
- Test grain door inside cart to ensure smooth operation and proper functioning of indicator.
- Look into cart and make sure that the grain door hoses have not been damaged in shipment and that they are not leaking.



CAUTION: **Before testing the auger make sure no one is near the auger assembly.**

- Fold the top auger to full upright position and engage the auger drive, slowly turning the auger. If auger turns freely, then slowly increase the RPM to proper operating speed. Disengage the auger drive, stopping rotation of the auger. Then slowly return the auger to the transport position. If the auger seems to fold too fast, the flow control valve must be adjusted to match your tractor's hydraulic system (see details in auger section).

Operator's Responsibility



CAUTION: **Operator's Responsibility:**
Most accidents are caused because of neglect or carelessness. Avoid needless accidents by following all of the safety precautions listed below.

The user is responsible for inspecting the cart before each use and for having necessary repairs done to prevent further damage to the cart or possible safety hazards.

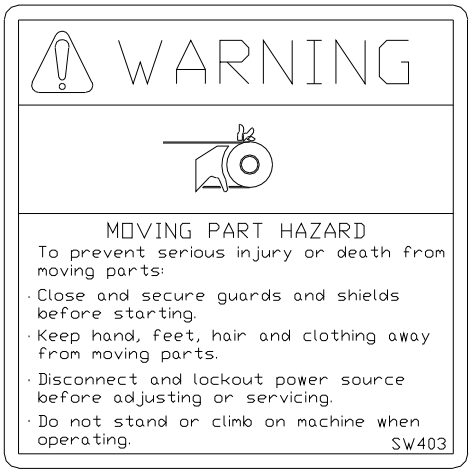
It is the responsibility of the user to read the owner's manual and understand the safe and correct operating procedures for the owner's cart.

- The operator of this cart must read and understand the material contained in this manual.
- The cart should be operated by those responsible and authorized by the owner to do so.
- Only a qualified operator should be permitted on the tractor when cart is in operation. No riders should be allowed on the cart.
- Make certain everyone is clear before folding or unfolding the auger.
- Never allow anyone inside the hopper for any reason while tractor is running or when hopper contains grain.
- The tongue jack is designed to support an unloaded cart. DO NOT use jack to support a loaded cart. When jacking up a cart, use caution to make sure all wheels are blocked. Inspection of the jack and related parts should be done frequently to detect any possible damages that could cause the jack or related parts to fail. The main cause of jack failure is the operator moving the cart with the jack still down. If this happens the jack may be unsafe to use. Replace or repair as needed. It is the owner/operator's responsibility to ensure the jack and related parts are in a safe working order.
- Do not transport cart on a public road unless the auger is in the transport position (folded back into the saddle). Also, ensure that the slow moving vehicle decal is in place during daylight and with approved warning lights at night and other periods of poor visibility.
- Carefully maintain control of the grain cart when traveling on roads. Avoid speeds over 8 MPH when loaded.
- Stop the tractor engine before doing any maintenance or repairs to the cart.
- Use caution when working with the hydraulic system. Hydraulic fluid can be under extreme pressure and can cause infection or other serious personal injury.
- Make sure all guards are kept in place.
- Avoid using near electrical lines with the auger extended. Serious injury or death can result from contact with electrical lines. USE EXTREME CARE!
- Make sure your tractor front end is adequately counter weighted.
- Use caution when crossing ditches, levees, etc., or when using on uneven terrain.
- Never allow anyone to play inside or around the grain cart. GRAIN CAN SUFFOCATE!

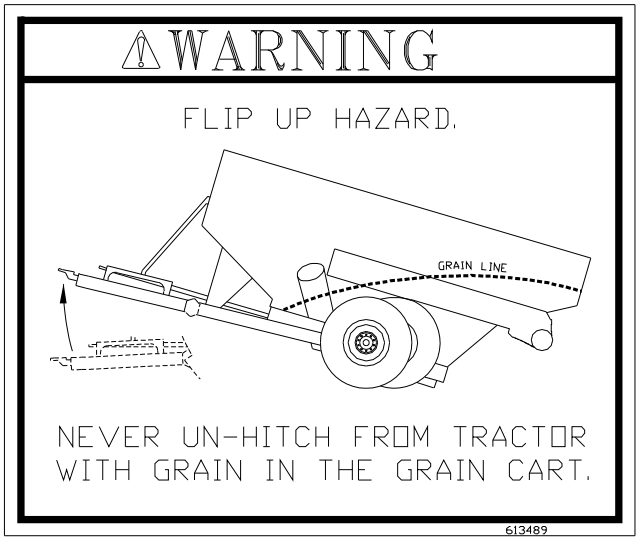
Safety Decals

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.

#02741700



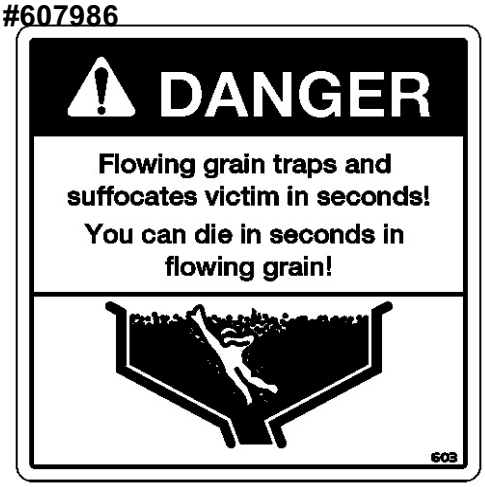
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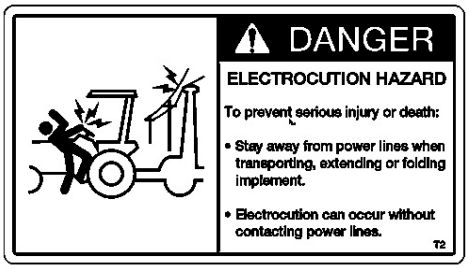
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#607986



#608000



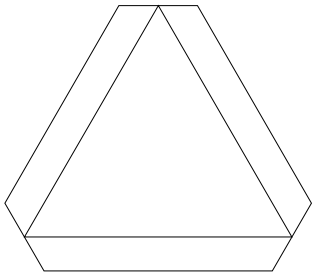
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#05328000



#604512



Safety Decals

#608018



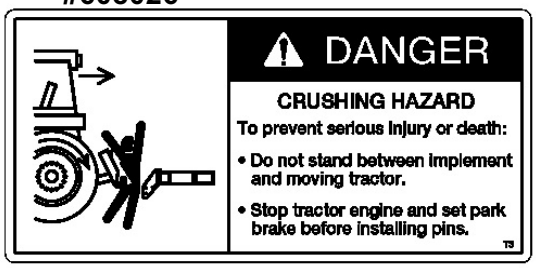
#607994



#607291



#608026



Operating Instructions

- NEVER allow anyone to ride or play on the grain cart.
- NEVER enter the grain cart with the PTO or hydraulic motor running or when it contains grain.
- Make sure all guards are in place.
- Daily grease auger hinge pin, u-joints, and over running coupler.
- The grain flow control door (inside slide door) and the clean out door should both be closed when loading the cart or transporting the cart when filled with grain.
- Extending the auger- Use care when folding and unfolding the auger. Make sure no one is close to the auger. DO NOT extend auger when close to any electrical lines. DO NOT try to extend or fold the auger while it is running.
- If equipped with a PTO drive, slowly engage the PTO at a low RPM, and then slowly increase to desired tractor RPM. Do not exceed 1000 RPM on PTO.
- If equipped with a hydraulic drive, set tractor RPM to 1700 RPM. Snap open hydraulic valve in tractor. DO NOT slowly open valve. After auger is turning, increase tractor to approximately 2200 RPM.
- Slowly open grain flow door after auger is up to speed. Door fully open allows maximum flow. Use “Clean Out” setting to empty all the grain from the cart.
- Use the door to slow grain flow if necessary. DO NOT run auger at slow speed. DO NOT start auger with the grain flow door open.
- Unload the cart.

Operating Instructions

- DO NOT disengage the auger while unloading without first closing the grain flow door.
- It is advisable to return the tractor to idle before disengaging the auger.
- If you must return to the field or otherwise halt the unloading with a partial load of grain, then close the grain flow door and let the auger finish emptying the grain left in the auger tubing. DO NOT return with a partial load and the grain flow door open.
- It is recommended to transport the grain cart in the field with auger in the folded position, then extend when unloading the cart.

Electrical

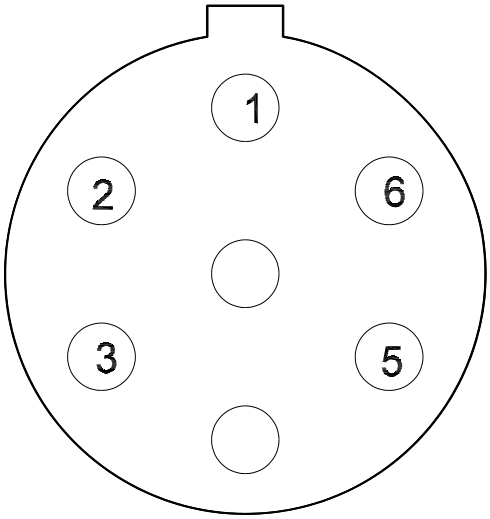
Your cart is equipped with a factory installed lighting kit, which includes two tail lights and two work lights for the auger discharge.

A single switch is provided to control the two work lights.

The connector provided should fit all modern tractors. It is a SAE JS60A seven-point socket. The schematic below shows the color-coded wiring diagram for this connector.

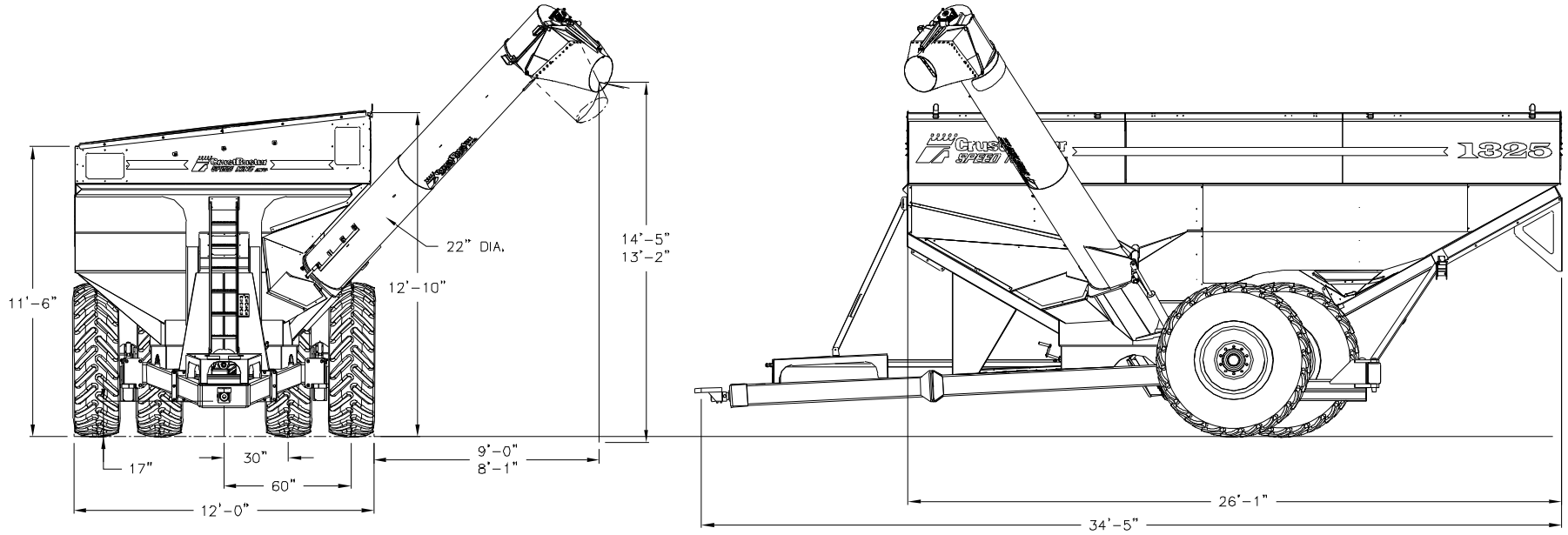
#607671 - Wiring Harness

1 White - Ground
2 Black - Work Lights
3 Yellow - Left Tail Light
5 Green - Right Tail Light
6 Brown - Amber Flashing



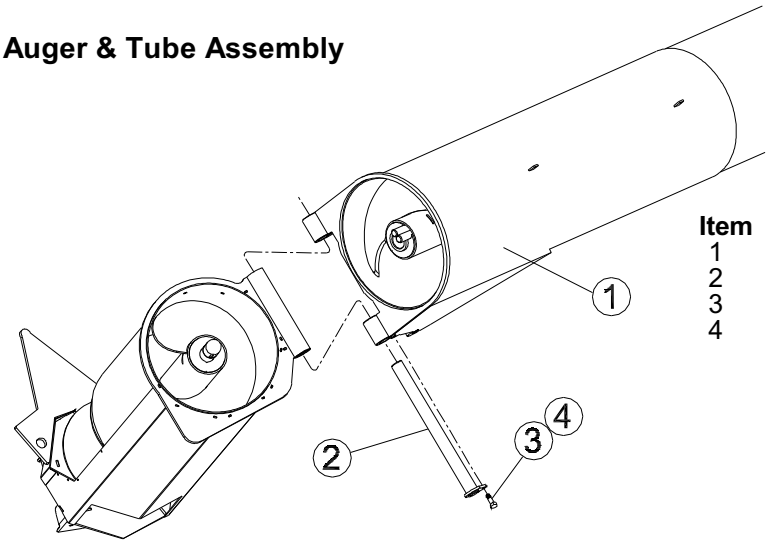
Specifications and design features are subject to change without notice.

Model #	Approx. Capacity	Spindle Size	Empty Weight	Tongue Weight
1325	1330 Bu	4.5	17,500	8% Loaded 10% Unloaded

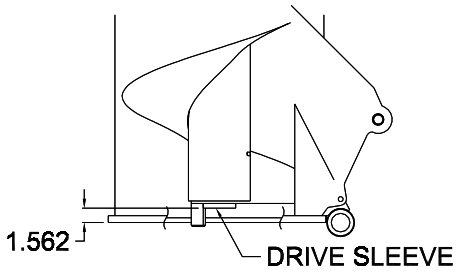


Auger

Auger & Tube Assembly



Item	Qty	Part No.	Description
1	1	878322	Top Auger Assembly
2	1	974261	Auger Hinge Pin
3	1	335240	HHCS ½" x 1 3/4"
4	1	331363	Nylock ½"



BOTTOM OF DRIVE SLEEVE
1.562" ABOVE HINGE PLATE

Flighting Wear

Auger flighting has 20½" to 20 5/8" outside diameter. When the flighting has worn ½", it needs repairing. The augers will wear more at the feed end (bottom end). Therefore, it usually is necessary to replace only 2 feet of flighting on the feed ends of the augers the first time they are repaired. The augers are balanced at the factory and MUST be balanced by a qualified technician when re-flighted. Failure to do so can cause bearing damage and unsatisfactory operation.

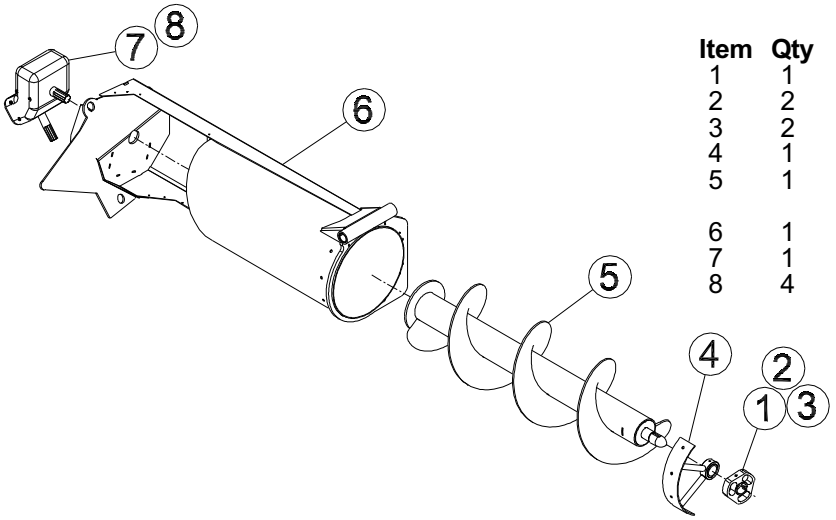
Auger Removal

To remove either auger, the top auger must be in the transport position (resting in the transport saddle). The bottom auger is removed by first unbolting the hanger bearing, then sliding the auger upward and out of the housing tube. The bottom auger is NOT attached in any way and should easily lift out of the cart. To remove the top auger, first remove the bolt in the center of the top shaft. Remove the retaining washer on the top of the auger. The top auger should then slide downward and out of the housing tube.

Auger Installation

All augers must be in the transport position with the top auger resting in the transport saddle in order to be installed.

The bottom auger is replaced by sliding the auger downward through the housing tube. The auger may need to be turned to align with the gear box spline. Replace the hanger bearing. Make sure it is reinstalled as it was originally and that it does not bind on the auger pilot shaft. There should be approximately 1/8" clearance between the bearing and the pilot shaft.



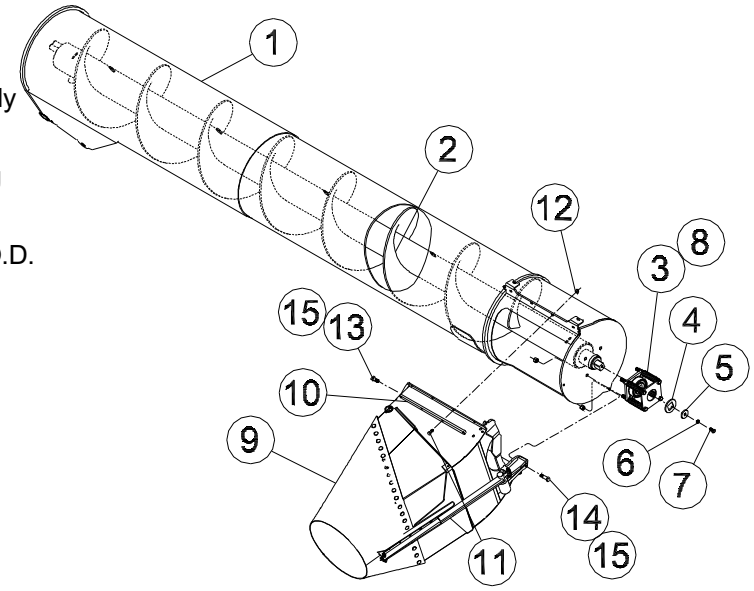
Item	Qty	Part No.	Description
1	1	612432	Drive Collar
2	2	337998	Screw 3/8" x 1" Socket Hd
3	2	331670	Key ½" x 1½"
4	1	641704	Hanger Bearing
5	1	974188	Bottom Auger Flighting
		612408	Flighting Only
6	1	641571	Bottom Auger Tube
7	1	474056	Gear Box 6050 2:1
8	4	01180900	HHCS ½" x 1 1/4"

Auger

Auger Installation - *cont'd*

The top auger is replaced by sliding the auger upward through the housing tube. The top shaft of the auger will slide through the upper auger bearing assembly. Replace the top retainer washer and top retainer bolt. No adjusting is required. Test the augers by very carefully unfolding them into the operating (upright) position. If the top auger seems to bind with the bottom auger, the top auger needs to be adjusted upward. This can be accomplished by placing additional washers under the top retaining washer.

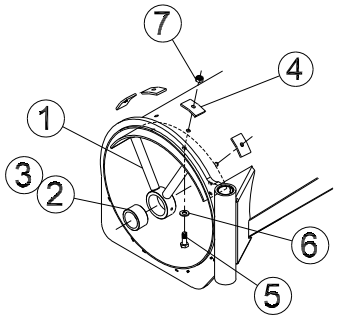
Item	Qty	Part No.	Description
		878322	Upper Auger Assembly (Items #1 thru #8)
1	1	974196	Upper Auger Tube
2	1	974253	Upper Auger Flighting
3	1	878330	Bearing Assembly
4	1	338186	Square Shaft Washer
5	1	227835	Washer ½" x 2 1/8" O.D.
6	1	330142	Lock Washer ½"
7	1	01029800	HHCS ½" x 1"
8	4	01572700	Nylock 5/8"
9	1	878405	Spout Assembly
10	1	2407770	Spout Mount Strap
11	4	335703	HHCS 3/8" x 1½"
12	4	330837	Nylock 3/8"
13	1	336644	HHCS ½" x 2 1/4"
14	1	335240	HHCS ½" x 1 3/4"
15	2	331363	Nylock ½"
	1	611145	Wiring Harness



Hanger Bearing

The hanger bearing in your cart is a 2½" bronze bearing and should last many years. Grease periodically.

Item	Part No.	Description
1	974204	Hanger Bearing Holder
2	403527	Bronze Bushing 2 33/64" x 3 1/4" x 1 3/4"
3	02739100	Zerk 1/8 NPT -45°
4	239673	Back Up Plate
5	01147800	HHCS ½" x 1½"
6	330159	Flat Washer ½"
7	330134	Hex Nut ½"



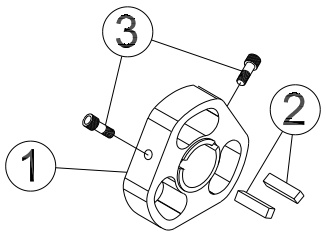
Drive Collar

The drive collar or the drive pin may become worn or damaged in time and may need to be replaced. The drive pin can be purchased separately and replaced by welding it in place. Care should be taken to align it as it was originally. The pin should be welded with low hydrogen welding rods.

If the augers seem to bind when locking together in the upright position, then check the inside of the top drive bushing. Sometimes it may become burred, as may the pilot shaft. Smoothing the burred surfaces should correct the problem. The drive collar can be turned over and the unworn side used. It is attached to the pilot shaft using two keys and set screws.

DO NOT fold the augers while they are turning. This will cause damage to the drive collar.

Item	Part No.	Description
1	612432	Drive Collar 2½"
2	311670	Key ½" x 1½"
3	337998	Screw 3/8" x 1" Socket Head



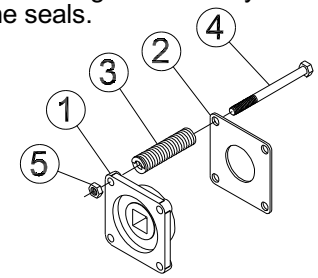
Auger

Auger Installation - *cont'd*

Top Bearing

The top bearing is a 1½" square four bolt sealed flange bearing. It will rarely need greasing, twice a season will be sufficient. Be careful not to over grease and ruin the seals.

Item	Part No.	Description
	878330	Top Bearing Assembly
1	403501	Bearing 1½" Square Bore
2	237735	Bearing Plate
3	502542	Die Spring 5/8" x 1 1/4" x 5½"
4	333146	HHCS 5/8" x 7½"
5	331538	Jam Nut 5/8"



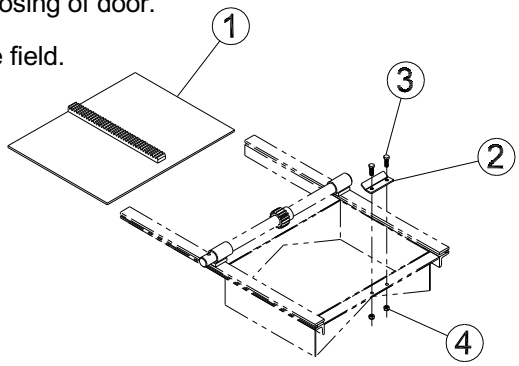
Clean Out Door

Clean out door is for grain pit dumping. It also allows easy access to auger drive plate and bottom of auger. Crank in front of cart allows opening and closing of door.

Always have door closed when using in the field.

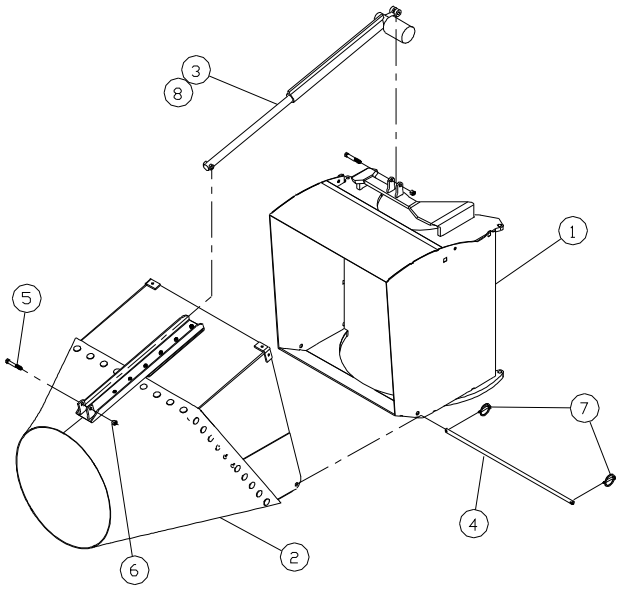
CAUTION:
Keep hands out when tractor is running.

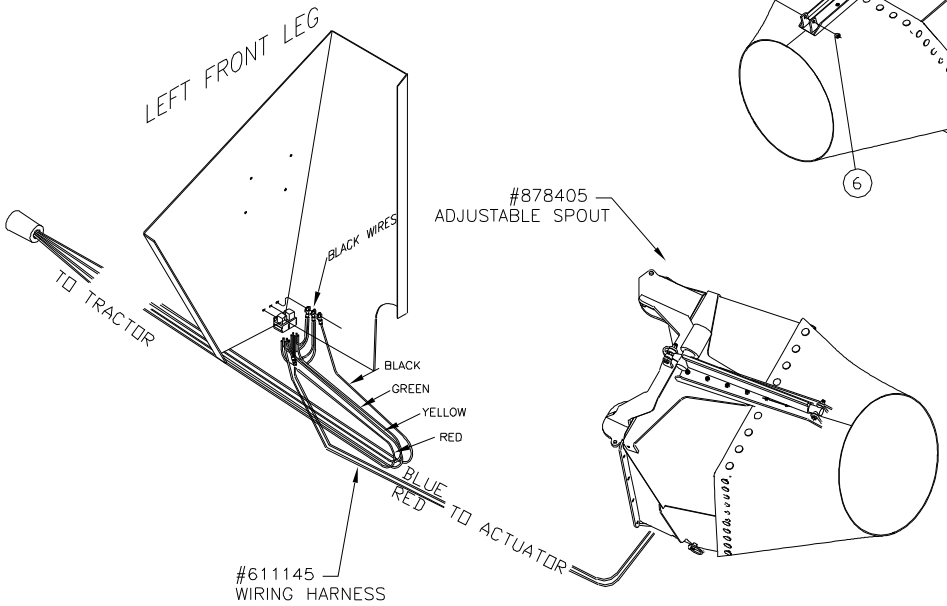
Item	Part No.	Description
1	974385	Door
2	272716	Door Stop
3	01057900	HHCS 1/4" x 3/4"
4	330522	Nylock 1/4"



Spout Assembly

Item	Part No.	Description
	878405	Spout Assembly
1	974360	Spout
2	642074	Spout Frame
3	474171	Electric Actuator
4	313510	Pin
5	331884	HHCS 3/8" 2½"
6	330837	Nylock 3/8"
7	338392	Klik Pin 1/4" -1 3/4" Ring
8	03379500	Wire Connector .250" Male



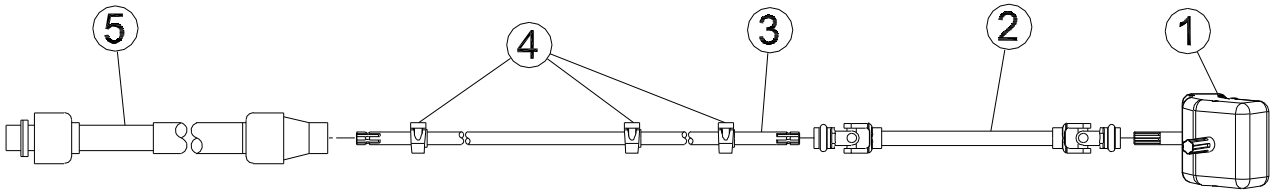


Drive

PTO

The drive system consists of a gearbox which is mounted on the bottom end of the auger and connected to the back drive shaft. The back drive shaft is then connected to the splined middle shaft which is attached to the PTO shaft. The PTO shaft is connected to the tractor.

PTO Drive



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	474056	Gear Box 6050 2:1	4	3	403766	Bearing 1 3/4" Pillow Block
2	1	613869	Rear Drive shaft				
3	1	313239	Front Drive shaft	5	1	612655	PTO Shaft

PTO Clutch

The PTO telescoping drive shaft used has been selected for the use on this application by the Weasler engineers. It has a built-in friction clutch with over-running feature to virtually eliminate damage to the drive components by excessive torque or inertial stress from the 22" auger system.

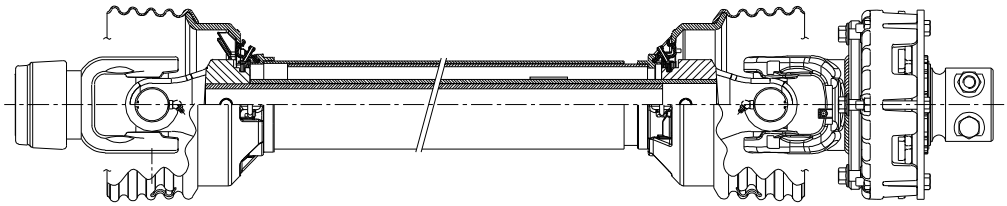
When using your cart for the first time or when changing tractors make sure there is at least 3" of travel left in the PTO when connected to tractor. If not, the shaft could jam causing severe damage.

The PTO shaft should be greased daily when in use. Every year the clutch should be checked, cleaned, and repaired if necessary.

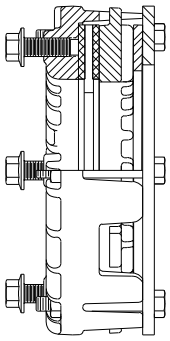
The PTO shaft supplied with your cart has a 1 3/4" x 20 spline tractor end. This is standard and fits all new larger tractors.

PTO Shaft & Clutch

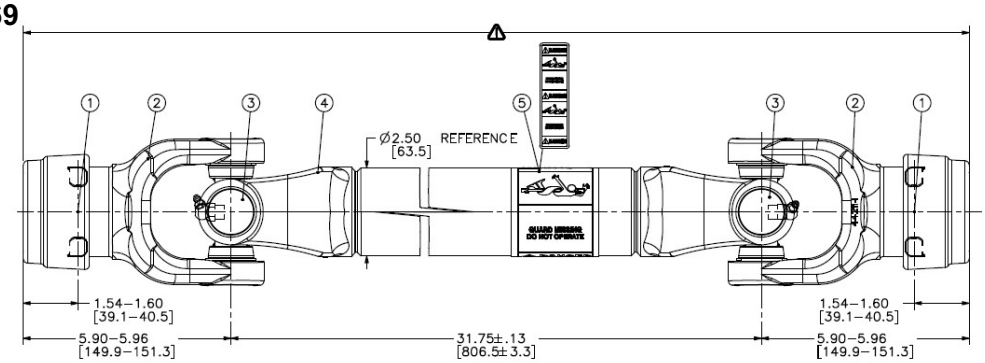
Shaft
#612655

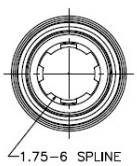


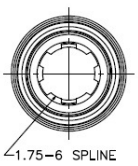
Clutch
#613539



Rear Drive Shaft
#613869





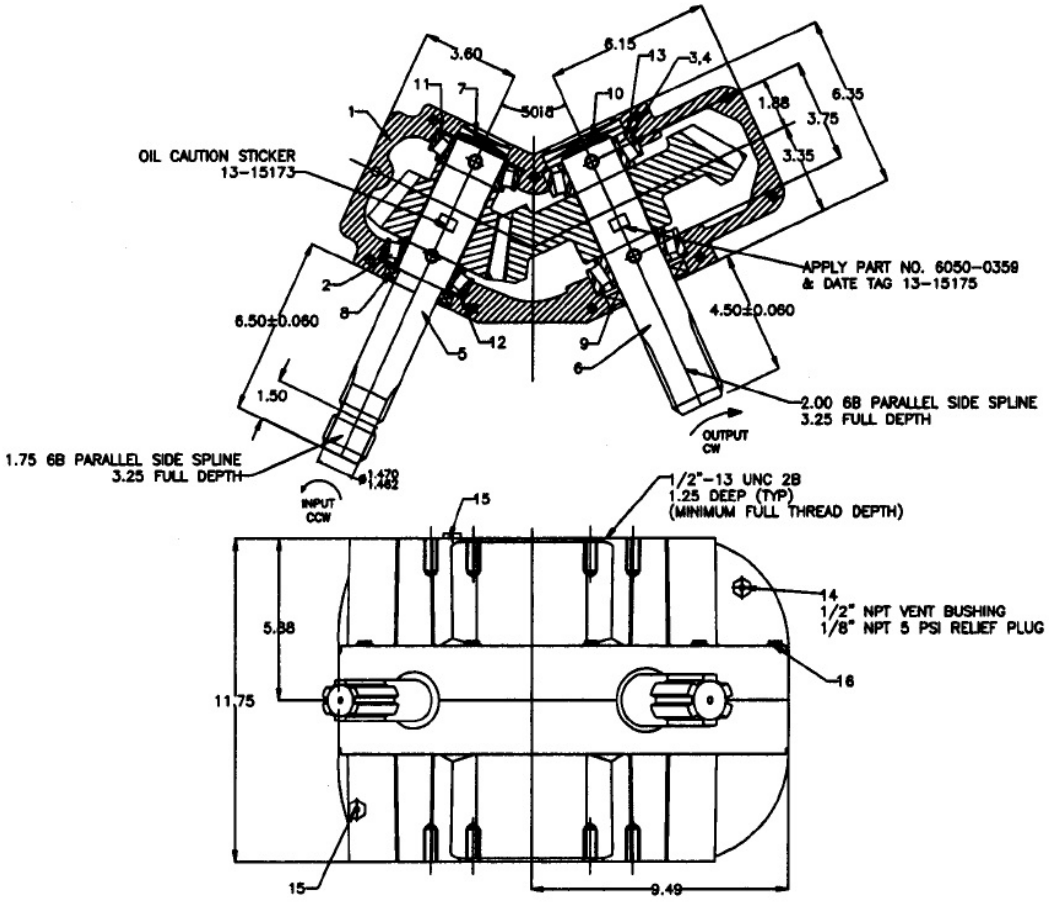


Drive

Gear Box

Check the oil level in the gearbox every season and check for leaks daily. Fill oil to the bottom of the highest bearing. When gear box is completely empty, it will require approximately 7 pints to fill to recommended level. DO NOT overfill the gearbox. If oil is leaking from the gearbox, then the seals are probably worn and need replacing. DO NOT run the gearbox if it is low on oil. Damage to gearbox could be severe.

#474056 - Gear Box



Hopper and Components

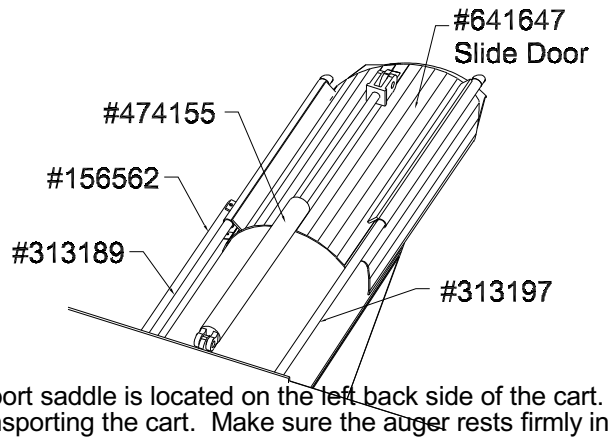
Hopper
Do not store your cart with grain or other material left in the bottom. The hopper should be cleaned before storing and the drain door located at the bottom of the auger tube should be opened to permit water drainage. Repair and paint any damaged areas on the hopper. Slip coat may be applied where greater clean out is required.

Grain Door (Slide Door)
The grain flow control door is hydraulically operated from the tractor. It is used to close off or control the grain flow to the auger. It is recommended that this door be completely closed when pulling the cart in the field. This will prevent grain from packing into the bottom of the auger. This could cause possible damage to the drive system.

An indicator is located on the front of the cart hopper to show whether the door is opened or closed.

The door can also be used to regulate the amount of grain going to the auger. This may be useful when loading grain drills or other containers where only a limited amount of grain is needed. In such cases, DO NOT simply run the auger slower as this could cause damage to the drive system. Instead, use the grain-flow control door.

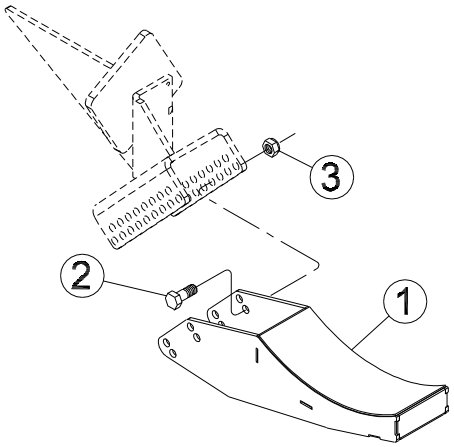
Before using your cart for the first time, make sure this door is opening and closing properly. If it is not, you will not be able to unload the cart.



Auger Saddle
The auger transport saddle is located on the left back side of the cart. Always fold the auger back into the saddle when transporting the cart. Make sure the auger rests firmly in the saddle.

CAUTION: Keep everyone clear of the cart while folding or unfolding the auger.

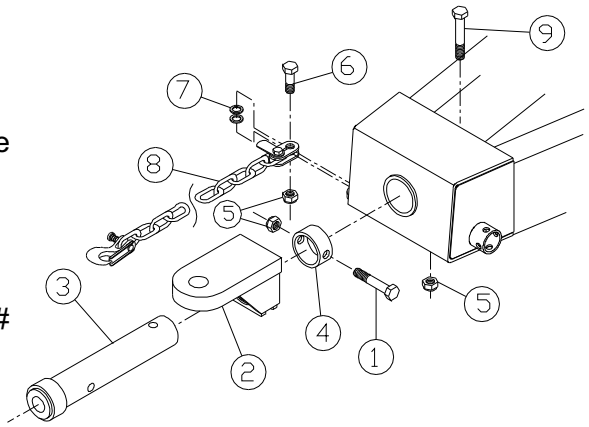
Item	Qty	Part No.	Description
1	1	974402	Auger Saddle
2	8	01180900	HHCS ½" x 1 1/4"
3	8	331363	Nylock ½"



Frame and Axle

Hitch Components

Item	Qty	Part No.	Description
1	1	332817	HHCS 1" x 6"
2	1	972430	Rotating Hitch
3	1	973131	Rotating Hitch Sleeve
4	1	155168	Bolt on Hitch Sleeve
5	3	330597	Nylock 1"
6	1	334987	HHCS 1" x 3"
7	2	335166	Machine Bushing 1" x 10 ga
8	1	433946	Safety Chain 21,000#
9	1	333732	HHCS 1" x 6½"



Tandem Axle

The tandem axles are set for 30" row centers which is less than the tank width. Torque swing arm 1 1/4" bolts and nuts to 1250 ft. lbs.

Wheels and Tires

Tires on the 1325 grain cart are 520/85R38.

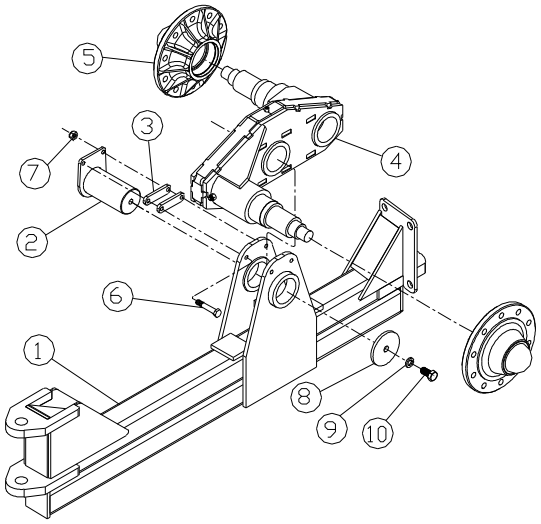
In case of warranty claims see your local Goodyear dealer.

We DO NOT recommend or condone using “used” wheels or tires. This will void the warranty on the hubs, spindles, and axle of the cart as certain offsets may overload the bearings and hubs.

Torque wheel nuts to 450 ft./lbs. Re-torque after 1 hour, 10 hours, and 30 hours of operation. Tire pressure 58 psi. KEEP LUG NUTS TIGHT!

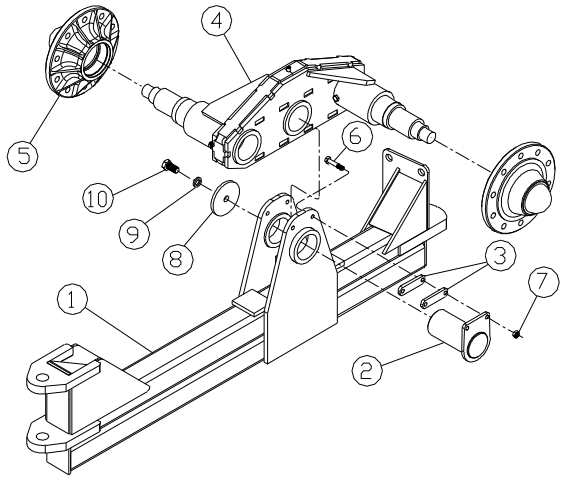
Hubs and Spindles

The 1325 cart uses a 10 bolt hub mounted on a 4½" diameter spindle. Be sure to keep spindle nut tight and repack bearings with grease each season.



#878348 - Tandem Axle Left

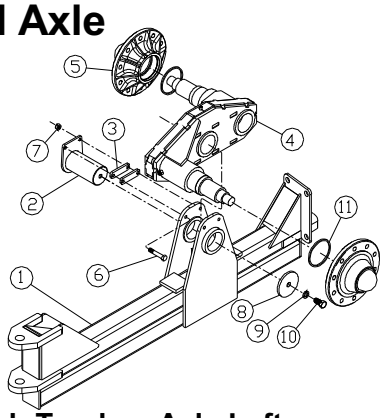
Item	Qty	Part No.	Description
1	1	974279	Axle Left
2	1	974311	Pin
3	2	238048	Pin Bracket
4	1	641761	Hub & Spindle -Left
5	2	403477	Hub Complete 881 -10B
6	2	01116300	HHCS 5/8" x 3½”
7	2	01572700	Nylock 5/8"
8	1	238832	Spindle Washer
9	1	330399	Lock Washer 1"
10	1	332957	HHCS 1" x 2"



#878355 - Tandem Axle Right

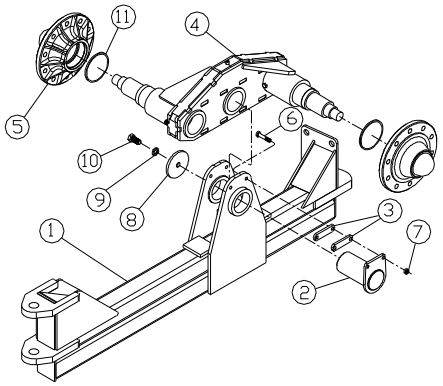
Item	Qty	Part No.	Description
1	1	974287	Axle Right
2	1	974311	Pin
3	2	238048	Pin Bracket
4	1	641779	Hub & Spindle-Right
5	2	403477	Hub Complete 881 -10B
6	2	01116300	HHCS 5/8" x 3½”
7	2	01572700	Nylock 5/8"
8	1	238832	Spindle Washer
9	1	330399	Lock Washer 1"
10	1	332957	HHCS 1" x 2"

Frame and Axle



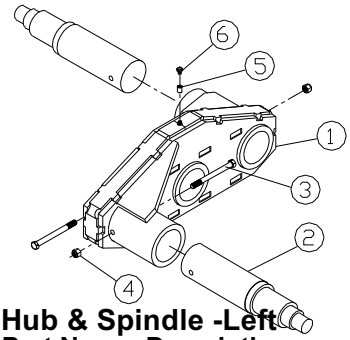
#880229 - Weigh Tandem Axle Left

Item	Qty	Part No.	Description
1	1	974279	Axle Left
2	1	974311	Pin
3	2	238048	Pin Bracket
4	1	642595	Weigh Hub & Spindle -Left
5	2	403477	Hub Complete 881 -10B
6	2	01116300	HHCS 5/8" x 3½"
7	2	01572700	Nylock 5/8"
8	1	238832	Spindle Washer
9	1	330399	Lock Washer 1"
10	1	332957	HHCS 1" x 2"
11	2	611053	Weigh Bar Seals



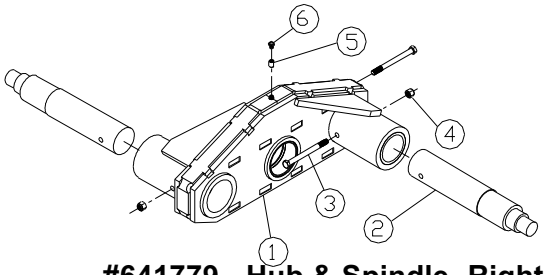
#880237 - Weigh Tandem Axle Right

Item	Qty	Part No.	Description
1	1	974287	Axle Right
2	1	974311	Pin
3	2	238048	Pin Bracket
4	1	642603	Weigh Hub & Spindle-Right
5	2	403477	Hub Complete 881 -10B
6	2	01116300	HHCS 5/8" x 3½"
7	2	01572700	Nylock 5/8"
8	1	238832	Spindle Washer
9	1	330399	Lock Washer 1"
10	1	332957	HHCS 1" x 2"
11	2	611053	Weigh Bar Seals



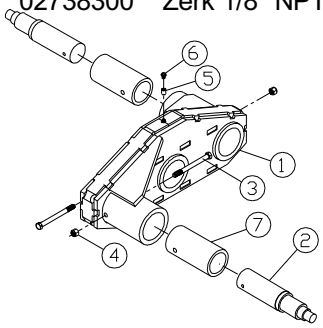
#641761 - Hub & Spindle -Left

Item	Qty	Part No.	Description
1	1	974295	Tandem Axle -Left
2	2	403774	Spindle 4½" x 24
3	2	337105	HHCS 5/8" x 7
4	2	01572700	Nylock 5/8"
5	1	331066	Pipe Coupling 1/8"
6	1	02738300	Zerk 1/8" NPT Straight



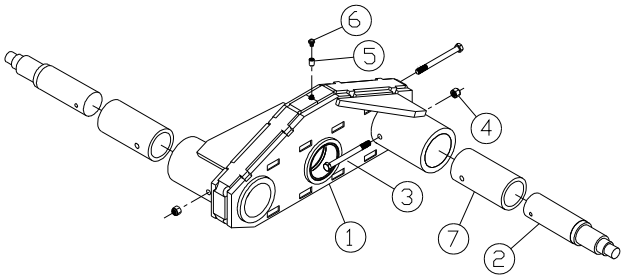
#641779 - Hub & Spindle -Right

Item	Qty	Part No.	Description
1	1	974303	Tandem Axle -Right
2	2	403774	Spindle 4½" x 24
3	2	337105	HHCS 5/8" x 7
4	2	01572700	Nylock 5/8"
5	1	331066	Pipe Coupling 1/8"
6	1	02738300	Zerk 1/8" NPT Straight



#642595 - Weigh Hub & Spindle -Left

Item	Qty	Part No.	Description
1	1	974295	Tandem Axle -Left
2	2	403717	Weigh Spindle 3.725
3	2	337105	HHCS 5/8" x 7
4	2	01572700	Nylock 5/8"
5	1	331066	Pipe Coupling 1/8"
6	1	02738300	Zerk 1/8" NPT Straight
7	2	613356	Weigh Spindle Sleeve



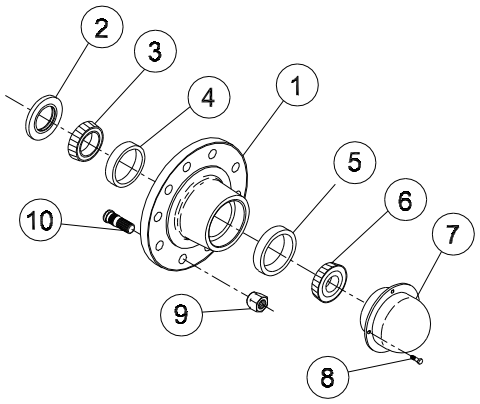
#642603 - Weigh Hub & Spindle -Right

Item	Qty	Part No.	Description
1	1	974303	Tandem Axle -Right
2	2	403717	Weigh Spindle 3.725
3	2	337105	HHCS 5/8" x 7
4	2	01572700	Nylock 5/8"
5	1	331066	Pipe Coupling 1/8"
6	1	02738300	Zerk 1/8" NPT Straight
7	2	613356	Weigh Spindle Sleeve

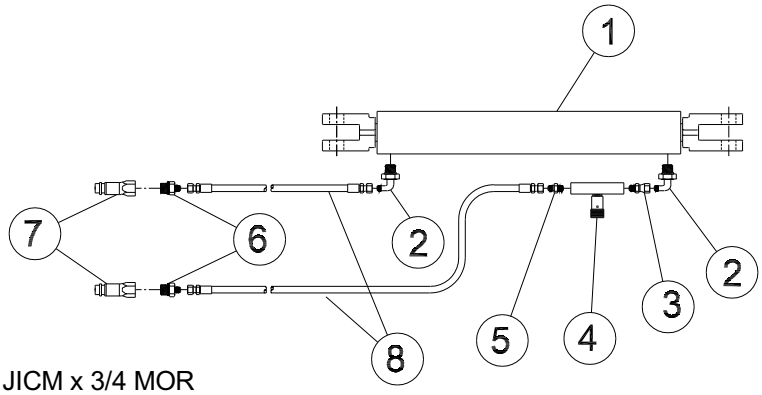
Hub

#403477 - Hub 881

Item	Part No.	Description
1	403659	Hub 881 w/Cups only
2	403618	Grease Seal
3	403584	Inner Bearing
4	403550	Inner Cup
5	403568	Outer Cup
6	403592	Outer Bearing
7	403600	Hub Cap
8	331546	HHCS 5/16" x ½"
9	403352	Lug Nut
10	337899	Stud
	403634	Spindle Nut 2-12

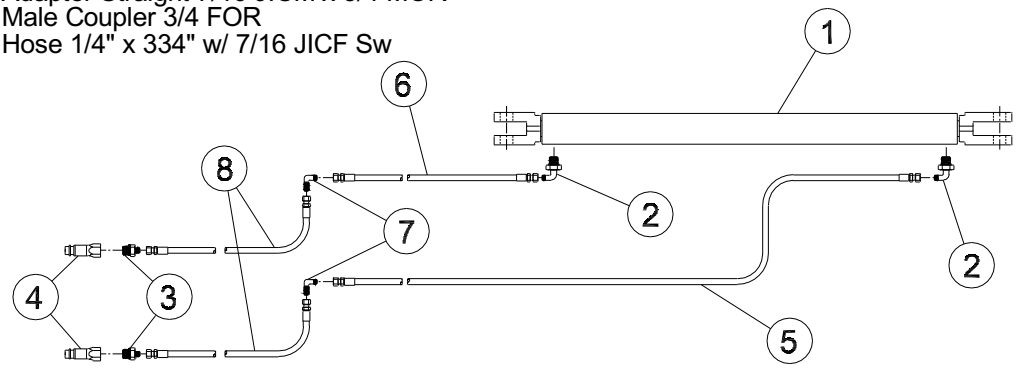


Hydraulic Schematics



Auger Fold

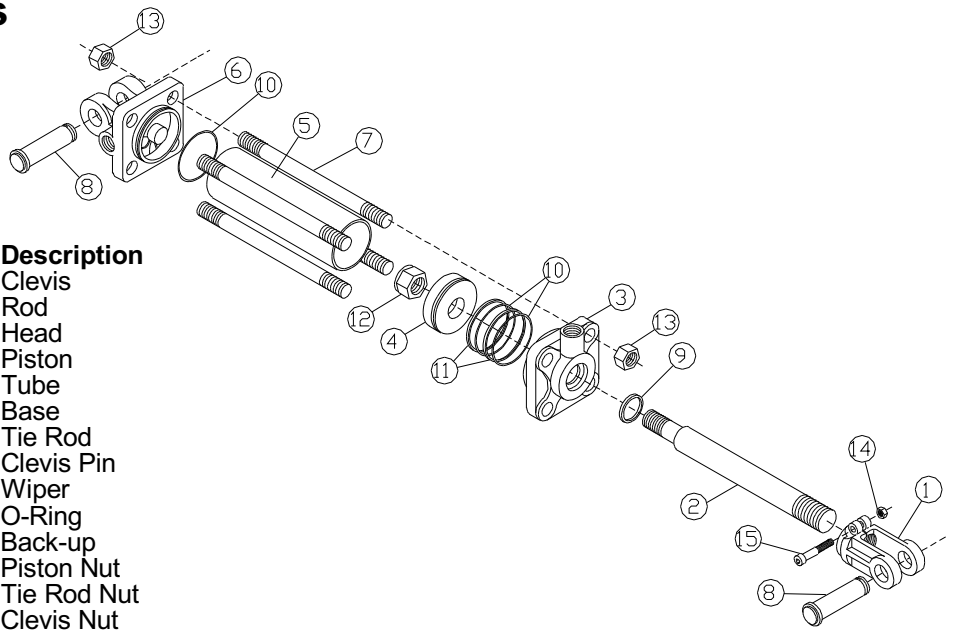
Item	Qty	Part No.	Description
1	1	474148	Cylinder 3½" x 19
2	2	472456	Adapter 90D 7/16 JICM x 3/4 MOR
3	1	472480	Adapter Straight 7/16 JICF Sw x 1/4 MP
4	1	472431	Hydraulic Flow Control Valve
5	1	472498	Adapter Straight 7/16 JICM x 1/4 MP
6	2	472472	Adapter Straight 7/16 JICM x 3/4 MOR
7	2	465385	Male Coupler 3/4 FOR
8	2	472902	Hose 1/4" x 334" w/ 7/16 JICF Sw



Slide Gate

Item	Qty	Part No.	Description
1	1	474148	Cylinder 3½" x 19
2	2	472456	Adapter 90D 7/16 JICM x 3/4 MOR
3	1	472480	Adapter Straight 7/16 JICF Sw x 1/4 MP
4	1	472431	Hydraulic Flow Control Valve
5	1	472498	Adapter Straight 7/16 JICM x 1/4 MP
6	2	472472	Adapter Straight 7/16 JICM x 3/4 MOR
7	2	465385	Male Coupler 3/4 FOR
8	2	472902	Hose 1/4" x 334" w/ 7/16 JICF Sw

Hydraulic Cylinders

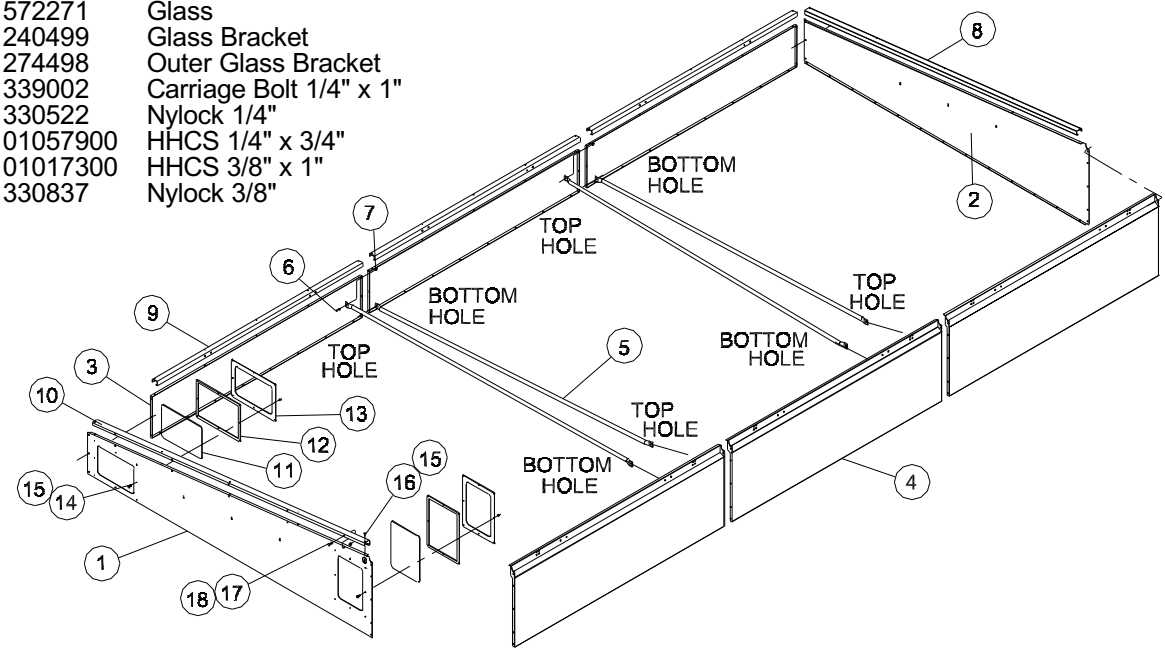


Item	474148 3½" x 19" Part No.	474155 3" x 26" Part No.	Description
1		461483	Clevis
2			Rod
3		460899	Head
4	464479	460964	Piston
5			Tube
6		469718	Base
7			Tie Rod
8	463133	460451	Clevis Pin
9	460907	460907	Wiper
10	464446	460923	O-Ring
11	464487	460980	Back-up
12	461285	460394	Piston Nut
13			Tie Rod Nut
14	460691	460691	Clevis Nut
15	460477	460477	Capscrew
		461087	Seal Kit

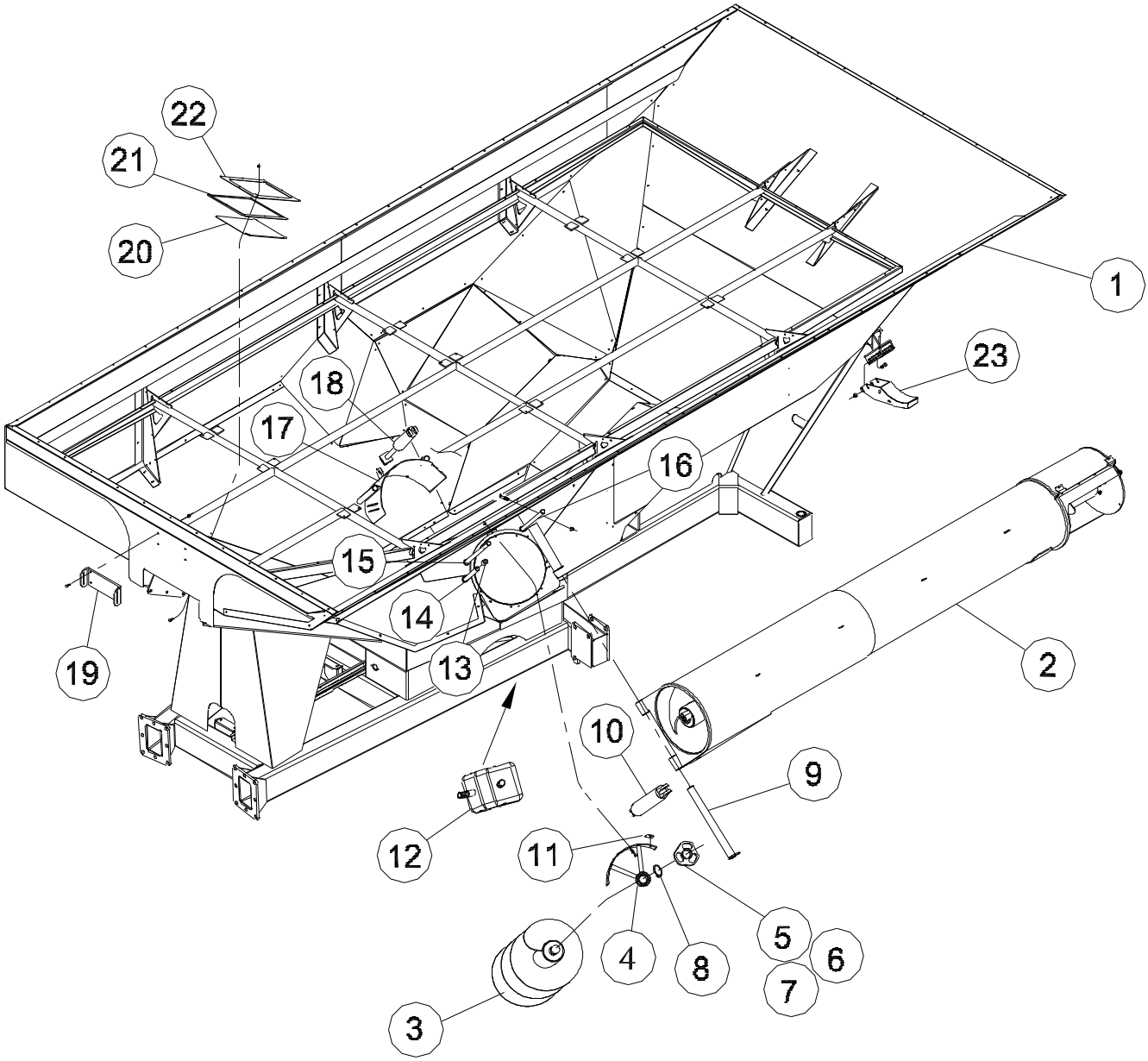
Extension Assembly

#878413

Item	Qty	Part No.	Description
1	1	2272914	Front Extension
2	1	272922	Rear Extension
3	3	974568	Side Extension -Right
4	3	974394	Side Extension -Left
5	4	153668	Support Rod
6	40	01010800	HHCS 5/16" x 1"
7	40	331611	Nylock 5/16"
8	1	274514	Rear Extension Top
9	3	274522	Side Extension Top -Right
10	1	274506	Front Extension Top
11	2	572271	Glass
12	2	240499	Glass Bracket
13	2	274498	Outer Glass Bracket
14	16	339002	Carriage Bolt 1/4" x 1"
15	41	330522	Nylock 1/4"
16	25	01057900	HHCS 1/4" x 3/4"
17	10	01017300	HHCS 3/8" x 1"
18	10	330837	Nylock 3/8"



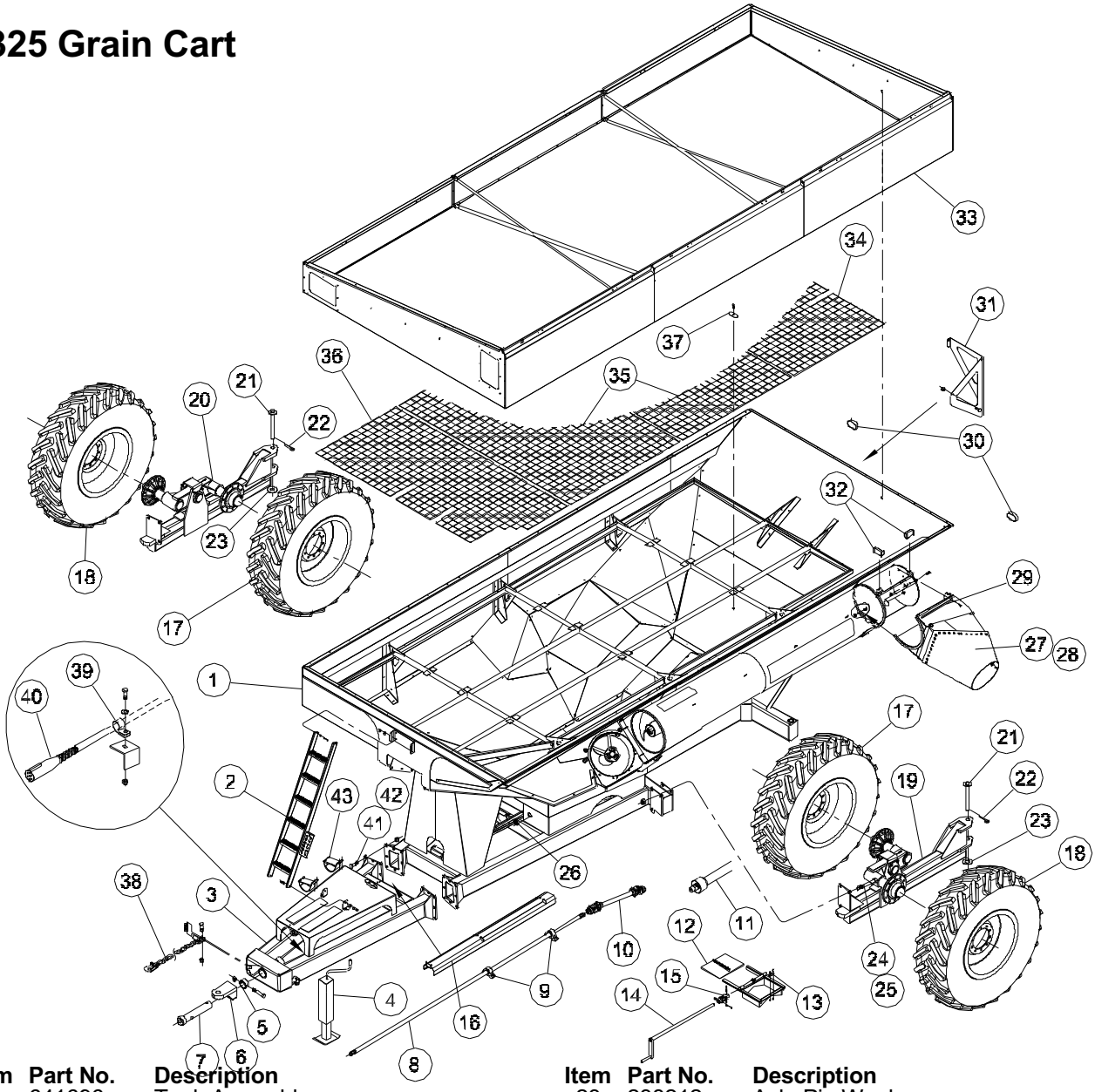
Tank Assembly



#641696 - 1325 Tank

Item	Part No.	Description
1	974170	Tank
2	878322	Upper Auger Assembly
3	974188	Lower Auger Flighting
4	641704	Hanger Bearing
5	612432	Drive Collar
6	337998	Screw 3/8" x 1" Socket Head
7	311670	Key ½" x 1½"
8	337840	Snap Ring 2½" External
9	974261	Auger Pin
10	474148	Cylinder 3½" x 19
11	239673	Hanger Back Up Plate
12	474056	Gear Box
13	610097	Plastic Cap
14	156562	Indicator Pipe 48"
15	313189	Shut Off Door Shaft 70"
16	313197	Shut Off Door Shaft 79"
17	641647	Shut Off Door
18	474155	Cylinder 3" x 26
19	272450	Ladder Bracket
20	572271	Glass
21	240499	Glass Bracket
22	274498	Outer Glass Bracket
23	974402	Auger Saddle

1325 Grain Cart



Item	Part No.	Description
1	641696	Tank Assembly
2	968032	Ladder
3	878397	Hitch Assembly
4	531053	Jack 7000#
5	155168	Lock Collar
6	972430	Rotating Hitch
7	973131	Hitch Sleeve
8	313239	Drive Shaft
9	403766	Bearing 1 3/4 2B Pillow Block
10	613869	U-Joint Assembly
11	612655	PTO Shaft 44R
12	974386	Shut Off Door Plate
13	272716	Shut Off Door Frame Bracket
14	974592	Crank Handle
15	400937	U-Joint 1" Round-1" Round
16	274589	PTO Shield
17	531517	Mounted Tire & Rim -Right Hand
18	531509	Mounted Tire & Rim -Left Hand
19	878348	Tandem Axle -Left
20	878355	Tandem Axle -Right
21	974410	Axle Pin 2 x 16
22	331272	Cotter Pin 3/8 x 3½”

Item	Part No.	Description
23	238212	Axle Pin Washer
24	338236	HHCS 1 1/4" x 9"
25	338228	Nylock 1 1/4"
26	03001500	Bearing 1" Flange
27	878405	Spout Assembly
28	611145	Wiring Harness -Adjustable Spout
29	240770	Spout Strap
30	605535	Tail Light w/Grommet
31	240788	Tarp Holder
32	03450400	Light 4 x 6 Lens
33	878413	Extension Assembly
34	273367	Safety Screen Rear
35	273359	Safety Screen Center
36	273375	Safety Screen Front
37	242164	Screen Clamp
38	433946	Safety Chain 21,000#
39	00913400	Hose Clamp 5/8" Double
40	607671	Wiring Harness
41	339028	HHCS 1-2 x 3 Grade 8
42	09051400	Nylock 1" SAE Grade 8
43	62056700	PTO Shaft Carrier

Engineering Specifications

Standard Torque Data for Nuts and Bolts
Pound/Feet

Bolt Diameter	Grade 2		Grade 5		Grade 8	
Inches	Min.	Max.	Min.	Max.	Min.	Max.
3/8	6	7	9	10	13	14
½	52	59	80	90	115	130
5/8	104	117	160	180	225	255
3/4	185	205	285	320	400	450
7/8	180	200	460	575	645	725
1	265	300	685	720	970	1090
1 1/4	535	600	1200	1350	1940	2180

Tire Inflation Table

Tire Size	Pressure psi
520/85R38	58

Standard Torque Data for Hydraulic Fittings

Hydraulic Fitting Size		Pound/Feet	
		Min.	Max.
#4	7/16-20	6	10
#5	1/2-20	10	15
#6	9/16-18	15	20
#8	3/4-16	25	30
#10	7/8-14	35	40
#12	1 1/16-12	60	70

CrustBuster
SPEED KING INC.

P.O. Box 526 Spearville, Kansas 67876 (620) 227-7106