



GRAINLOGIX

GRAIN BAG STORAGE SYSTEMS Grain Bag Truck Unloading Auger



Owner's Manual and Parts Book (TUA Originating w/Serial Number 68-321) (GBL10 Originating w/Serial Number 52-1339)

| Model Number: | |
|-------------------|--|
| Serial Number: | |
| Date of Purchase: | |



N29058 Rev. H 03.17.22

LOFTNESS SPECIALIZED EQUIPMENT, INC. LIMITED WARRANTY POLICY

The limited warranty policy begins upon delivery of the unit to the original customers.

All Loftness products have a one (1) year limited warranty. The XLB10 Grain Bag Loader has a two (2) year limited warranty.

If any Loftness product is used as rental or leased equipment the limited warranty period is for only 30 days from the delivery date to the original customers.

Loftness Specialized Equipment, hereinafter referred to as LOFTNESS, a manufacturer of quality machinery since 1956, warrants new LOFTNESS machinery and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth in the LOFTNESS Operator's Manual.

LOFTNESS' liability for any defect with respect to accepted goods shall be limited to repairing the goods at an authorized dealer or other LOFTNESS designated location, or replacing them as LOFTNESS shall elect. The above shall be in accordance with LOFTNESS warranty adjustment policies.

WARRANTY REQUIREMENTS

Warranty registration form must be filled out and returned to Loftness Specialized Equipment to validate all warranty claims. To receive a warranty claim, a return authorization from LOFTNESS must be obtained. The failed part may then be returned in an untampered status. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls and pick-up/delivery charges are the customer's responsibility.

LIMITATIONS OF WARRANTY

LOFTNESS products are designed to provide years of dependable service when proper use and maintenance is adhered to. The potential for misuse in many applications exists; therefore, a limited warranty is provided as follows.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the LOFTNESS factory or authorized LOFTNESS dealership or in any way so as in LOFTNESS' judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor to any machine or attachment which shall not have been operated in accordance with LOFTNESS' printed instructions or beyond the company recommended machine rated capacity. LOFTNESS may elect to have an area representative evaluate the condition of the machine before warranty is considered.

In addition, this limited warranty provides no coverage for general wear or maintenance items, misuse, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Use of machine beyond its rated capacity;
- Improper knife replacement;
- Missing knives;
- Striking foreign objects
- Lack of lubrication
- Failures caused by running in an "out-of-balance" condition;
- Tires:
- Conveyors;
- Auger wear;
- Saw blades;
- Brakes and brake pads; and
- Hydraulic hoses damaged by being caught in "pinch points" or by moving parts.

EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, LOFTNESS makes no representation or warranty of any kind, expressed or implied. The implied warranty of merchantability and fitness for a particular purpose are excluded from this limited warranty. The remedies set forth in this warranty are the only remedies available to any person under this warranty. LOFTNESS shall have no liability to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence, or other tort or otherwise. This exclusion of consequential, incidental and special damages is independent from and shall survive any finding that the exclusive remedy failed of its essential purpose. Upon purchase, the buyer assumes all liability, all personal injury and property damage resulting from the handling, possession or use of the goods by the buyer.

No agent, employee or representative of LOFTNESS has any authority to bind LOFTNESS to any affirmation, representation or warranty concerning its machinery and/or attachments except as specifically set forth herein. (October 2020)



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Warranty

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Owner Information

Thank you for your decision to purchase a Truck Unloading Auger from Loftness. To ensure maximum performance of your machine, it is mandatory that you thoroughly study the owner's manual and follow its recommendations. Proper operation and maintenance are essential to prevent injury or damage and to maximize machine life.

Operate and maintain this machine in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and / or laws, and in compliance with on-product labeling and these instructions.

Make sure that all personnel have read this owner's manual and thoroughly understand safe and correct operating, installation and maintenance procedures.

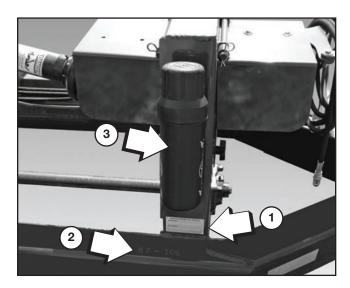
Continuous improvement and advancement of Loftness products may result in changes to your equipment that may not be reflected in this publication. Loftness reserves the right to make product improvements to the machine at any time. Although great care has been taken to ensure the accuracy of this publication, Loftness does not assume any liability for errors or omissions.

Loftness Specialized Equipment, Inc. is not responsible for the condition of the grain when it is being stored in or removed from grain bags loaded or unloaded with Loftness built equipment.

Warranty Policy

Be sure to read and understand the Warranty Policy at the beginning of this manual. It is also important that you fill out the Warranty Registration form(s) completely and return to Loftness so as not to void the warranty.

Serial Number Location



Always use your serial number when requesting information or when ordering parts. This information is on the serial tag (1).

NOTE: The machine's serial number is also stamped in this area (2).

Manual Storage

Keep the owner's manual and the entire documentation packet in the storage compartment (Item 3 in photo above) provided on your truck unloading auger. The owner's manual must be available for all operators.

Features

- PTO Driven Augers
- 14 in. into 13 in. (35.6 cm into 33.0 cm) Main Augers
- Augers are Reversible for Clean-out
- 11,900 Bushels Per Hour Capacity
- 1000 RPM PTO 1-3/8" or 1-3/4"
- 120 HP/5 GPM (18.93 L/min) Tractor Requirements
- Hydraulic Hopper Positioning
- Low Profile, Oversized Hopper
- Self-Leveling Hopper
- 12 in. (30.5 cm) Hopper Height
- 19 in. (48.3 cm) Hopper Height w/Extension
- Hopper Width 40 in. (101.6 cm)
- Hopper Length 82 in. (208.3 cm)
- Twin 7 in. (17.8 cm) Hopper Augers
- Traction Tires on Hopper Drive
- Adjustable Hopper Guide Wheels
- Two (2) Easy Access Clean-Out Doors
- Chain-Type Drive Coupler
- Easy Transporting System
- Easily Converts from Trucks to Carts
- Designed for Easy Set-up
- Weight 4,675 pounds (2121 kg) (Truck Auger Kit Only)

Safety First

Accidents can be prevented by recognizing the causes or hazards before an accident occurs and doing something about them. Regardless of the care used in the design and construction of this machine, there are some areas that cannot be safeguarded without interfering with accessibility and efficient operation.



Safety Alert Symbol

This message alert symbol identifies important safety messages on the machine and in the owner's manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

In the owner's manual and on decals used on the machine the words **DANGER**, **WARNING**, **CAUTION**, **IMPORTANT**, and **NOTE** are used to indicate the following:

DANGER: This word warns of immediate hazards which, if not avoided, will result in severe personal injury or death. The color associated with Danger is RED.

WARNING: This word refers to a potentially hazardous situation which, if not avoided, could result in severe personal injury or death. The color associated with Warning is ORANGE.

CAUTION: This word refers to a potentially hazardous or unsafe situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

IMPORTANT: Highlights information that must be heeded.

NOTE: A reminder of other related information that needs to be considered.

If Safety Decals on this machine are ISO two panel pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as \(\infty \times \) and \(\sim \text{if used,} \)
 are RFD

Be certain all machine operators are aware of the dangers indicated by safety decals applied to the machine, and be certain they follow all safety decal instructions. Contact Loftness for safety decal replacement.

Loftness cannot anticipate every possible circumstance that may involve a potential hazard. The warnings in this owner's manual are not all inclusive.

Owner's Responsibility

Operate and maintain this machine in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and/or laws and in compliance with on-product labeling and this owner's manual instructions.

Make sure that all personnel have read this owner's manual, and thoroughly understand safe and correct installation, operation and maintenance procedures.

Make sure the machine is installed correctly before being placed in service. At regular intervals thereafter, the machine should be serviced in accordance with procedures outlined in this owner's manual.

Fulfill all warranty obligations so as not to void the warranties. The warranty policy included in this manual outlines the warranty policy of Loftness.

Safety Rules

These are general safety considerations. Additional precautions may be necessary to operate your machine in a safe manner. Be certain you are operating your machine in accordance with all safety codes, OSHA rules and regulations, insurance requirements and local, state, and federal laws.

Operating Safety

- Do not allow anyone to operate the machine until he or she has read the owner's manual and is completely familiar with all safety precautions.
- Do not allow inexperienced persons unfamiliar with the machine, or unfamiliar with safe operating and maintenance procedures, to operate or maintain the machine.
- Do not allow persons under the influence of alcohol, medications, or other drugs that can impair judgment or cause drowsiness to operate or maintain the machine.
- Keep children, bystanders and other workers away from the machine while it is operating. No riders allowed.
- The machine requires an operator at all times. Never leave the machine running and unattended.
- Do not wear loose hanging clothes, neckties or jewelry. Long hair is to be placed under a cap or hat. These precautions will help prevent you from becoming caught in any moving parts on the machine.
- Do wear safety glasses, ear protection, respirators, gloves, hard hats, safety shoes and other protective clothing when required.
- The auger should not be used to handle materials other than those which were specified as part of its design. It is the operator's responsibility to be aware of the specifications and operate the auger accordingly.
- It is the operator's responsibility to be aware of machine operation and work area hazards at all times.

- Operators are responsible to know the location and function of all guards and shields including but not limited to PTO drivelines, gearboxes, chain drives, augers and are responsible to make certain that all guards are in place when operating the machine.
- Operators are responsible to be aware of safety hazard areas and follow instructions on warning, caution, or danger decals applied to the machine.
- Know the area before operating the machine. Be aware of power lines or other equipment. Watch for adequate overhead clearance.
- Always have an operator in the tractor while the machine is in operation.
- Remove from the area of operation all foreign objects such as sticks, wire, rocks, etc., that might become tangled in the augers. These articles can damage the machine or might be thrown and strike other objects.
- Disengage PTO, clutch hydraulic valve and shift tractor into neutral or park before starting engine.
- Never operate the machine with a 540 RPM tractor.

Transporting Safety

- Be sure the machine is in the transport position before transporting on a roadway.
- Do not exceed speed rating (20 mph [32 km/h]) on the factory provided tires.
- Disengage PTO, clutch hydraulic valve and shift tractor into neutral or park before starting engine

Maintenance Safety

- Do not allow inexperienced persons unfamiliar with the machine, or unfamiliar with safe operating and maintenance procedures, to operate or maintain the machine.
- Do not allow persons under the influence of alcohol, medications, or other drugs that can impair judgment or cause drowsiness to operate or maintain the machine.
- Make sure the operator's area is clear of any distracting objects. Keep work areas clean and free of grease and oil to avoid slipping or falling.
- Periodically check all guards, shields and structural members. Replace or repair anything that could cause a potential hazard.
- Periodically check all hoses, hose connections and electrical wiring. Replace or repair anything that could cause a potential hazard.
- Do not replace components or parts with other than factory-recommended service parts. To do so may decrease the effectiveness of the machine.
- Do not lubricate parts while the machine is running.
- Do not smoke while servicing the machine.
- Never attempt to make any adjustments while the tractor engine is running or the key is in the "ON" position in the tractor. Before leaving the operator's position, disengage power to the machine and remove ignition key.

Hydraulic Safety

- The hydraulic system is under high pressure. Make sure all lines and fittings are tight and in good condition. These fluids escaping under high pressure can have sufficient force to penetrate skin and cause serious injury.
- Never check for leaks by using any part of your body to feel for escaping fluid.
- Always use a piece of wood to check for leaks.

PTO Safety

- Keep all guards and shields in place when operating the PTO. Replace any damaged or missing guards and shields before operating the PTO.
- Keep children, bystanders and other workers away from the machine while it is operating or while the PTO is engaged. No riders allowed.
- Do not wear loose hanging clothes, neckties or jewelry. Long hair is to be placed under a cap or hat. These precautions will help prevent you from becoming caught in any moving parts on the machine.
- Read and understand the tractor operation and maintenance manual regarding safe and proper operation for PTO driven equipment.
- Never step over or crawl around the equipment while the PTO is engaged; entanglement could occur.
- Do not exceed 1000 RPM PTO speed.
- Disengage PTO driveline and place in the stored position when the machine is transported.
- Never use a steel hammer when connecting or disconnecting a PTO shaft.
- Engage the PTO slowly at idle speed to prevent unnecessary stress to the driveline.
- DO NOT USE PTO ADAPTERS OF ANY KIND.
- Use only recommended shear-bolts.
- Maintain proper hitching dimensions
 1 3/8" 21 Spline PTO end to pin of draw bar 16".
 1 3/4" 20 Spline PTO end to pin of draw bar 20".

Safety Decal Locations

Check and replace any worn, torn, hard to read or missing safety decals on your machine.





Part No. 4189





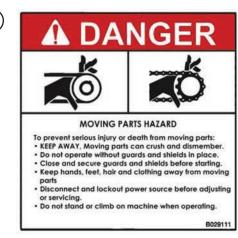
Part No. 4189





Part No. 4189





Part No. N26682

6

Safety Decal Locations (Cont'd)







Part No. N26795





Part No. N26796





Part No. N26682



Skin Puncture Hazard. Hydraulic Lines.

Part No. N23899

Protect hands and

body from pressure fluids.





Safety Decal Locations (Cont'd)





Part No. N23507





Part No. N26681





Part No. N26682



Part No. N26680



Part No. N26683

Safety Decal Locations (Cont'd)







To Prevent Serious Injury Or Death:

· Keep hands, feet and clothing away from auger intake.

A CAUTION

WINCH OPERATION

- After lowering the auger always turn the winch handle clockwise at least two clicks to tighten the brake lock.
 Maintain control of the winch handle at all times.
 Maintain tight cable tension when in the towing

- position.

 4. Do not put lubrication of any kind on the brake disc.

 5. Check cable before each use. Replace if frayed or damaged.

A DANGER

UPENDING HAZARD

- The Intake end of the auger must always have downward weight.
 Always test it before releasing it from the vehicle or holddown.
 Uff the intake slowly and keep it no higher than the tractor tow ber when attaching or releasing it.
 Don't push the undercarriage.
 Immediately lower the auger to transport position before moving.

FAILURE TO DO SO WILL CAUSE UPENDING, WHICH WILL RESULT IN SERIOUS INJURY OR DEATH.

DANGER

ELECTROCUTION HAZARD

CAUTION

- Read and understand the operator's manual before operating.
- 2. Keep all safety shields and devices in place.
- 3. Make certain everyone is clear before operating or moving
- 4. Keep hands, feet and clothing away from all moving parts.
- 5. Shut off power to adjust, service or clean the auger.
- Support discharge end or anchor intake to prevent upending.
 (See Operator's Manual)
- 8. Empty auger before moving to prevent upending.
- Lower auger to transport position before moving or transporting.
- Use only genuine Brandt replacement parts, espe pins and bolts.
- 12. Do not run this auger empty except at idling speed

Safety Decal Locations (Cont'd)







Machine Decals and Signs

NOTE: All safety related decals are also shown in the Safety Instructions Section along with their location on the machine. See "Safety Decal Locations" starting on page 6.

Check and replace any worn, torn, hard to read or missing decals on your machine.

Part No. 4136



Part No. 4137



Part No. 4138



Part No. N26969

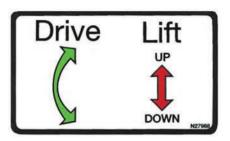


Part No. N26970





Part No. N27988



Part No. 4140



Part No. N13517



Part No. N27995



Part No. N27996



Machine Decals and Signs (Cont'd)

Part No. N26679



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B029455

Part No. N26686



Part No. N26850



Part No. N26851



Part No. N26852



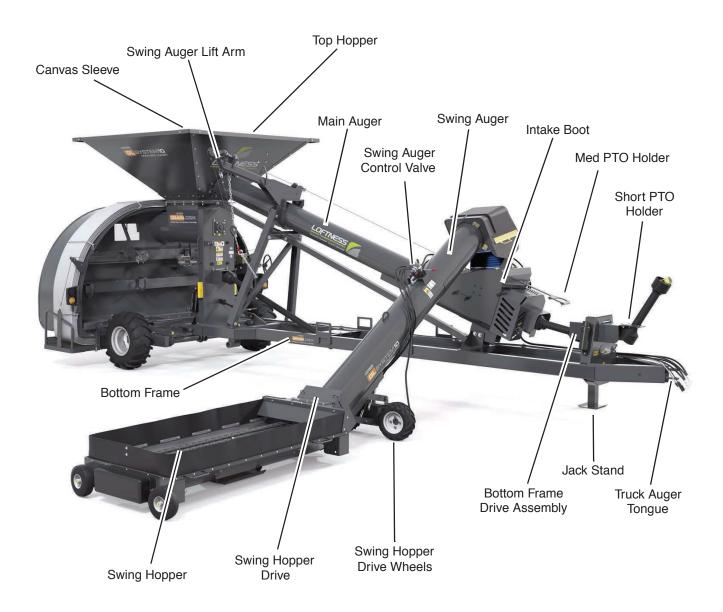
Part No. N13721



Part No. N33102



Truck Unloading Auger Identification





Assembly Instructions

Tongue Removal And Installation

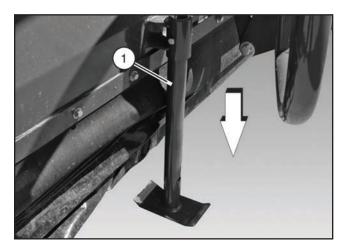


WARNING: Ensure area is clear of bystanders before moving the Grain Bag Loader.

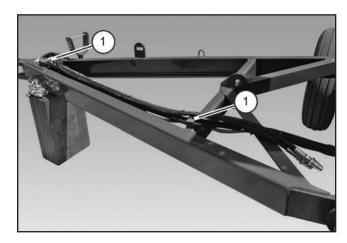
Move the machine to an open area where you can access the machine from both sides and the rear.

Connect the hydraulic hoses to the machine. Lower the Grain Bag Loader wheels to the lowest setting.

Set brake pressure to 500 PSI.

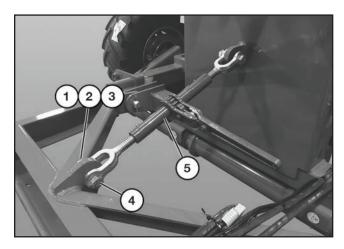


Lower the safety stand at the rear of the grain bag loader to the ground.



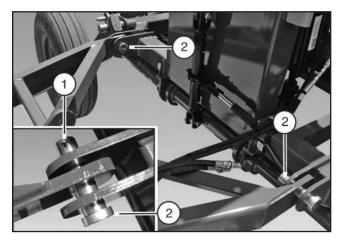
Remove the cable ties and clamps (1) securing the hydraulic hoses and wire harness to the grain bag loader tongue. Move the hydraulic hoses and wire harness away from the tongue.

NOTE: Leave the hydraulic hoses and wire harness connected to the machine.



Remove nut (1), lock washer (2), flat washer (3) and bolt (4) to disconnect the adjustable link (5) from the grain bag loader tongue.

Place blocks/jack stands under the rear of the grain bag loader tongue.



Remove the cotter pin (1) and pin (2). Remove the grain bag loader tongue.



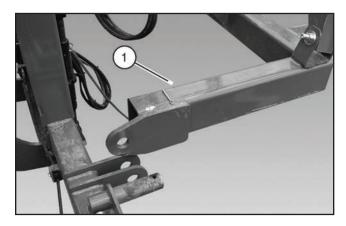
WARNING: The grain bag loader tongue is heavy. Always use two people when removing the tongue.

NOTE: Store the grain bag loader tongue away from work area.

(Procedure continued on following page.)

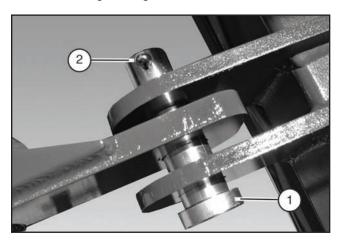
Assembly Instructions (Cont'd)

Tongue Removal And Installation (Cont'd)

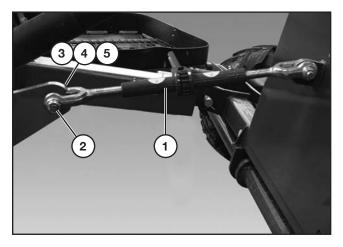


Move the truck auger (1) into position in front of the grain bag loader.

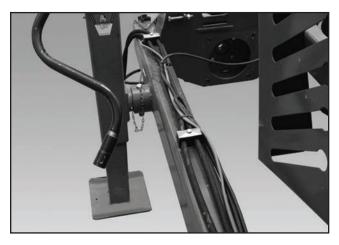
Align the truck unloader auger tongue with the tongue mounts on the grain bag loader.



Install the lower pin(s) (1) through the tongue mounts on the grain bag loader and truck auger tongue. Install cotter pin(s) (2).



Align the adjustable link (1) with the mount on the truck auger tongue. Install using the bolt (2), flat washer (3), lock washer (4) and nut (5) provided.



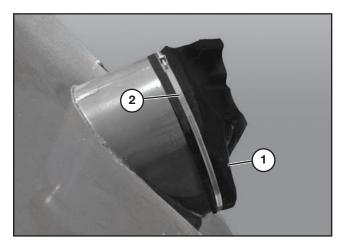
Lower the front jack on the truck auger.

Assembly Instructions (Cont'd)

Hopper Assembly

See the Grain Bag Loader Owner's Manual for the correct procedure for assembling the hopper.

NOTE: Three panels of the grain bag loader hopper will be used when assembling the hopper. One panel with holes for brace mounting and the two panels without those holes will be used from the original grain bag loader hopper.

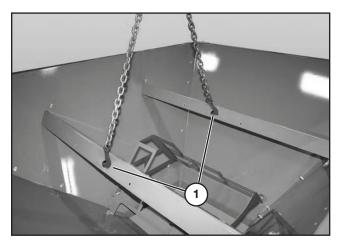


Install the canvas sleeve (1) to the inside of the hopper panel. Secure the canvas sleeve with clamp (2).



Install the hopper panel and screen provided with the truck auger. Reference the main hopper assembly section of the Grain Bag Loader Owner's manual for the correct hopper assembly sequence and procedure.

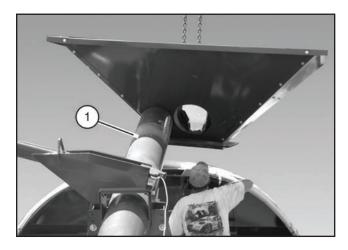
Hopper Installation



Using a hoist, attach a strap or chain to the two lift points (1) on the hopper braces.

NOTE: Always use chains that are in good condition and of adequate size to lift the hopper.

Attach chains to a lifting device.



Raise the hopper and align with the auger (1).



WARNING: Crushing hazard. Do not stand under the hopper while it is being raised, or while it is the raised position.



WARNING: Pinch points present. Keep hands away.

(Procedure continued on following page.)

Assembly Instructions (Cont'd)

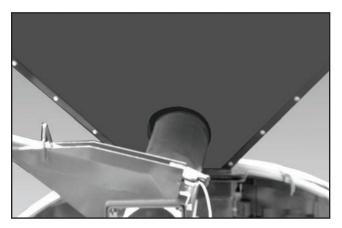
Hopper Installation (Cont'd)



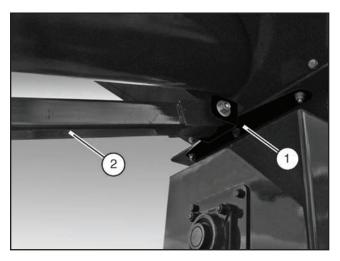
Move the hopper toward the auger, lowering the hopper as the auger is inserted into the hopper and canvas sleeve.



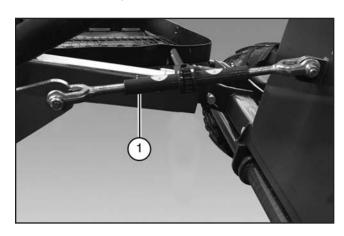
WARNING: Pinch points present. Keep hands away.



Align and lower the hopper into position.



Install the mounting bracket (1) and top brace (2).



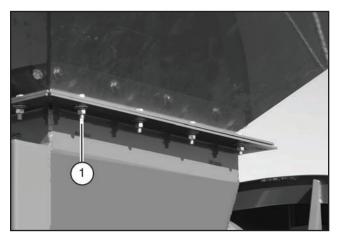
Use the adjustable link (1) to align the top brace and mounting bracket.

NOTE: The front jack stand may need to be adjusted to allow for movement during top brace installation.

(Procedure continued on following page.)

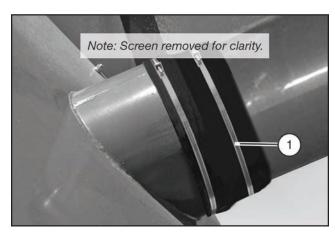
Assembly Instructions (Cont'd)

Hopper Installation (Cont'd)



Install the remaining 1/2" bolts, washers and nuts (1).

Tighten 1/2" bolts and nuts. See "Torque Specifications" on page 85.



Remove the chains from the braces.

Install a second clamp (1) around the canvas sleeve and auger.

Positioning Auger



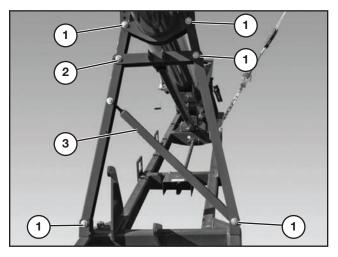
It is recommended that the auger be positioned to the side as shown above.

NOTE: If the fit is too tight, then the frame will need to be adjusted left or right.

Assembly Instructions (Cont'd)

Horizontal Auger Adjustment

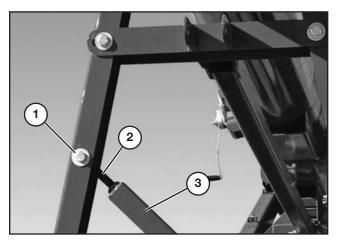
Side To Side



Loosen the five bolts (1) when adjusting the auger left or right.

Remove bolt (2), nut and washer.

Remove angle support (3).

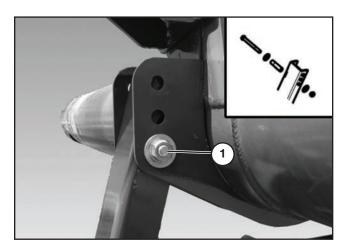


Turn the adjustment rod (2) in or out to the desired length. Align and install the angle support (3). Install bolt (1), washer and nut. Tighten nut.

NOTE: Repeat procedure if additional adjustment is necessary.

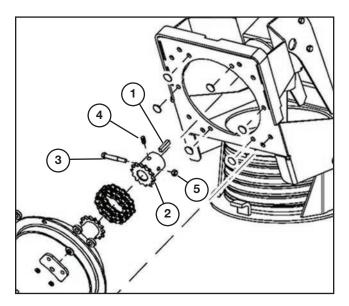
Tighten the remaining five bolts on the frame.

Vertical Auger Adjustment



Remove nut (1) and washer. Then remove bolt, washer and bushing (from both braces). Move the auger to the desired height. Install bolt, washer and bushing (on both braces). Install washer and nut. Tighten nut.

Swing Tube/Spout Assembly

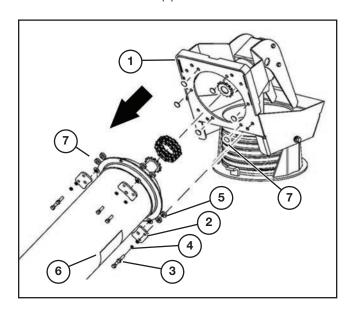


Remove the plastic cover from over the swing tube spout for easier access to the gearbox.

Install the 5/16" key (1) on the gearbox output shaft.

Align and install the gearbox sprocket (2) onto the gearbox output shaft. Secure the gearbox sprocket using a 3/8" x 3" Grade 8 bolt (3) and lock nut (5).

Install the 3/8" set screw (4).

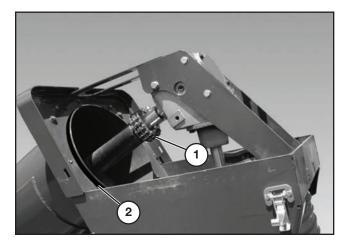


Install six slider bushings (7). Slide the spout assembly (1) onto the swing tube until it is against the angle flange.

Fasten the spout to the tube using the four retainer plates (2) using two 3/8" x 1-1/4" bolts (3), lock washers (4), and plastic spacer bushings (5) and one slider bushing (7).

NOTE: Do not over tighten these bolts. The spout must be able to rotate on the tube.

The tube wrap (6) welded to the swing tube must be oriented to the bottom as shown.

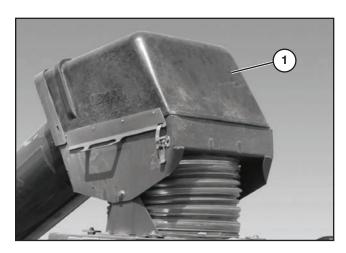


Install the 50-2 x 18 pitch roller chain (1) around the coupler sprockets as shown.

Remove the backing paper from the 42 in. (106.7 cm) foam strip.

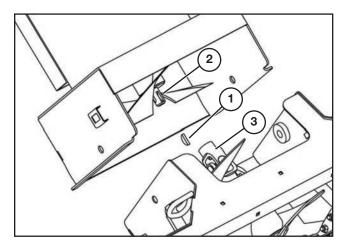
Wrap the foam strip (2) around the lip of the swing tube which is inside the swing tube spout.

NOTE: Make sure the foam is tight against the inside of the spout plate.



Reinstall the plastic spout cover removed earlier.

Hopper/Tube Assembly

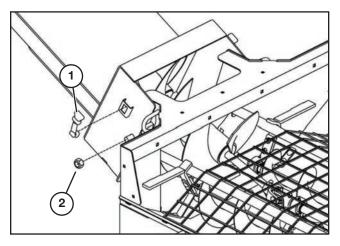


Install a woodruff key (1) and apply a thin coating of antiseize compound on the swing flight shaft (2).

Move the hopper toward the swing tube and slide the u-joint onto the swing flight shaft (2).

NOTE: Do not install a set screw at (3).

NOTE: The u-joint must slide on easily. Buff the shaft and inside the u-joint if necessary.

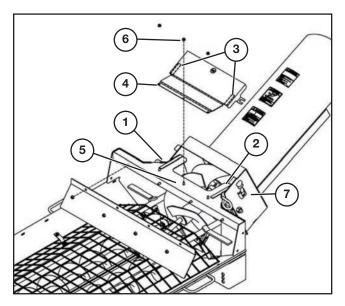


Install the two rubber latches (1) in the small brackets on the sides of the transition section.

Secure the 13" (33.0 cm) hopper transition to the hopper using two 3/4" x 2" bolts (installed from the inside out) and 3/4" stover locknuts (2).

NOTE: Do not over tighten the nuts. The transition must be able to rotate on the hopper.

Transition Cover Installation



NOTE: Clean the surface of the hopper before applying the foam strips.

Remove the backing from one of the 3/4" x 6-3/4" (1.9 cm x 17.1 cm) foam strips (1) and install on the hopper. Install the second foam strip (2).

Attach the 3/4" x 3" (1.9 cm x 7.6 cm) foam strips (3) to the underside of the transition cover.

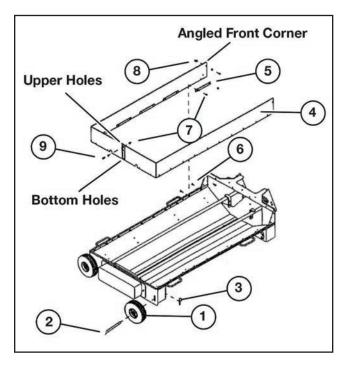
Mount the transition cover (4) to the hopper using three 5/16" x 3/4" carriage bolts (5) and locking flange nuts (6).

Stretch the rubber latches (7) over the receivers on the transition cover.

(Procedure continued on following page.)

Hopper/Tube Assembly (Cont'd)

Swing Hopper Assembly



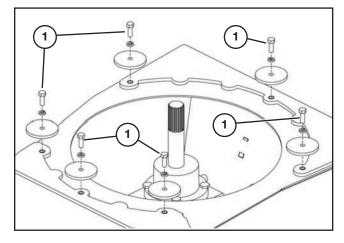
Install the hopper wheels (1) on the hopper using a plated wheel pin (2) (3/4" diameter pin with two holes) and a 3/16" hair pin clip (3) on both sides.

Install the rubber hopper extensions (4) on the inside of the hopper lip using the following bolts:

- All twelve aluminum straps (5) 5/16" x 1" carriage bolts (6) and flange nuts (7).
- Bottom hole of the rear end of the hopper 5/16" x 1" carriage bolt and a 5/16" flat washer (8) and 5/16" flange nut on the rubber side.
- Upper holes of the rear end of the hopper 5/16" x
 1" bolt (9), a 5/16" flat washer on both sides of the rubber and 5/16" flange nut.
- Angled front corners of the hopper 5/16" x 1" carriage bolt and a 5/16" flat washer and 5/16" flange nut on the rubber side.

Mounting The Swing Auger

Clean the 21-spline shaft on the gearbox in the boot as well as the u-joint in the spout of the swing auger. Apply anti-seize compound to the splined shaft.



Remove the six bolts (1), lock washers and washers.

Using a lifting device and a sling, pick up the swing auger and hang the spout over the intake boot opening.

Remove the inspection cover on the side of the main auger boot.

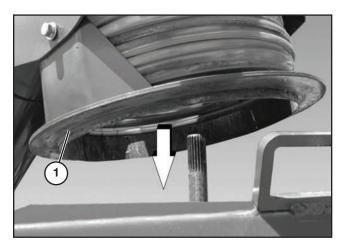
Using a stick or a piece of metal, guide the u-joint onto the boot gearbox while slowly lowering the swing auger.



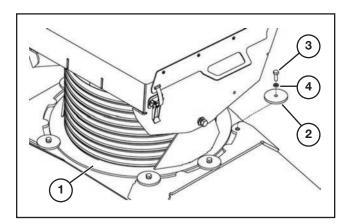
WARNING: Do not place hands in the intake boot while performing this operation. Severe injury will result!

(Procedure continued on following page.)

Mounting The Swing Auger (Cont'd)



Align and install the swivel auger (1).



When the auger is seated properly, the flange (1) on the end of the spout should lay flat onto the boot.

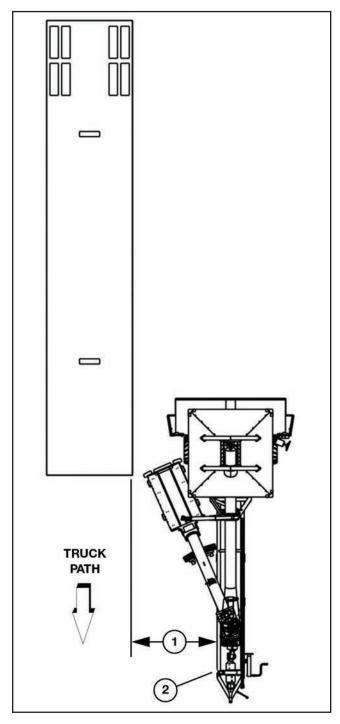
Secure in place using a 2-13/16" steel washer (2), 3/8" x 1" bolt (3) and lock washer (4). The nut is welded to the inside of the boot. Repeat procedure on the remaining five locations around the flange.

Rotate the swing auger to ensure correct setup.

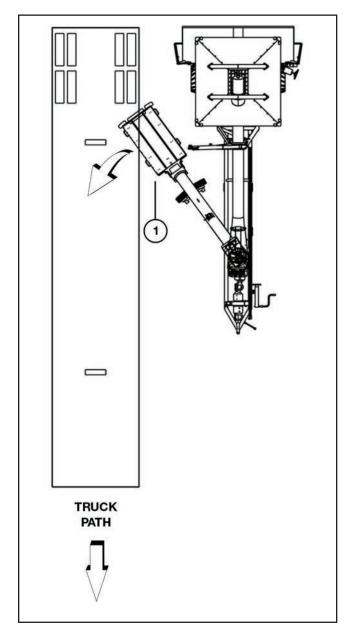
Re-install the inspection cover.

Equipment Positioning

Truck Position



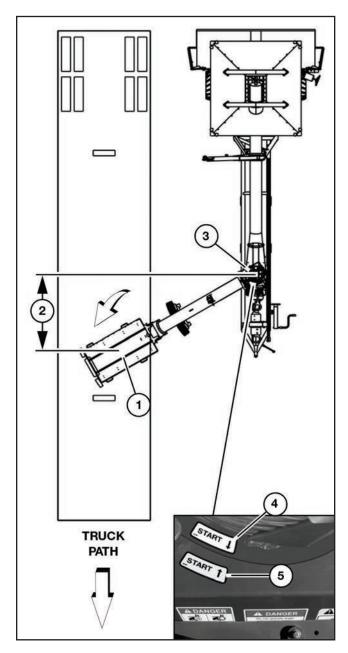
STEP #1 - Align the trailer parallel to and approximately 100 in. (254 cm) (1) from the edge of the truck auger hitch (2).



STEP #2 - Move the trailer forward allowing adequate clearance for the hopper (1) to swing under the trailer.

Equipment Positioning (Cont'd)

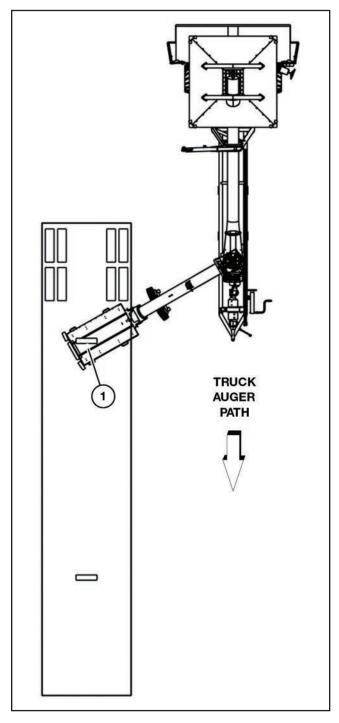
Swing Auger/Hopper Position



STEP #3 - Swing the hopper under the trailer and position the swing auger as shown. The center of the swing hopper (1) should be approximately 84 in. (213.4 cm) (2) from the swing auger pivot (3). Align the **"START"** decals on the swing auger (4) and main auger (5).

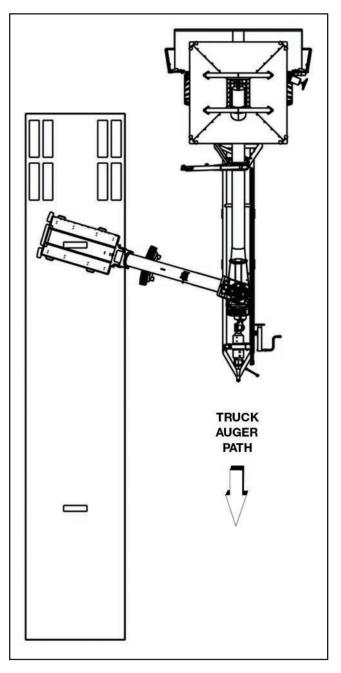
Equipment Positioning (Cont'd)

Rear Compartment Bagging Position



STEP #4 - Move the rear gate (1) of the trailer over the swing hopper.

NOTE: The truck auger will move approximately 11 ft. (3.35 m) while the rear trailer compartment is being emptied.

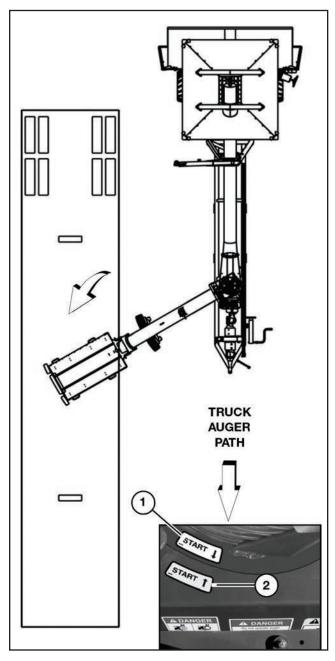


NOTE: The trailer should not have to move while unloading the rear compartment.

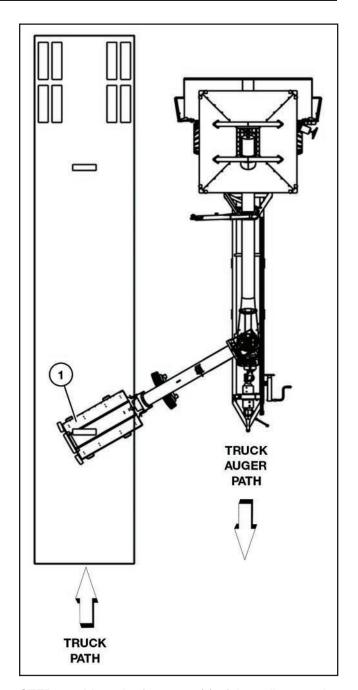
STEP #5 - The truck auger will be positioned forward of the rear compartment gate as shown when the compartment is empty.

Equipment Positioning (Cont'd)

Front Compartment Bagging Position



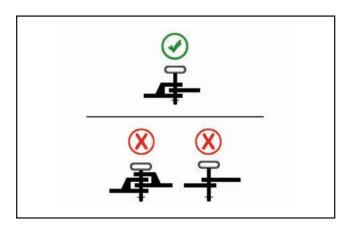
STEP #6 - Swing the hopper forward and position the swing auger as shown. Align the "START" decals on the swing auger (1) and main auger (2).



STEP #7 - Move the front gate (1) of the trailer over the swing hopper.

NOTE: The truck auger will move approximately 11 ft. (3.35 m) while the front trailer compartment is being emptied.

Connecting the Grain Bag Loader



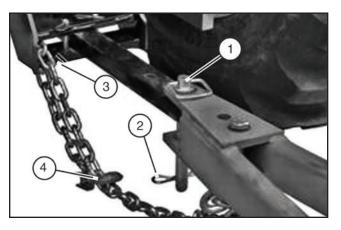


WARNING: Never use a clevis to clevis type connection to secure the implement to the tractor. The machine could separate from the tractor if a clevis pin fails.



Safety Chain Requirements:

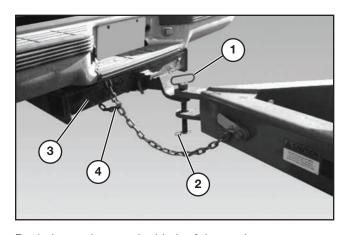
- Verify that the chain has a load rating equal to or greater than the Gross Vehicle weight.
- Allow no more slack in the chain than necessary for articulation.
- Attach the chain to the towing hitch assembly. Do NOT use an intermediate support as a primary method of attachment.
- Verify that the hitch of the towing vehicle is rated for the gross weight of the towed machine.
- The implement may not exceed 1.5 times the towing vehicle weight.
- Replace the safety chain if one or more links or end fittings are broken, stretched or otherwise damaged or deformed.



Back the tractor up to the hitch of the truck auger.

Insert pin (1) (1-1/8" to 1-1/4" pin) and secure with retaining clip (2).

Install the safety chain around the tractor drawbar (3) and fasten the chain ends together (4).



Back the truck up to the hitch of the truck auger.

Insert pin (1) (1-1/8" to 1-1/4" pin) and secure with retaining clip (2).

Install the safety chain around the truck's hitch frame (3) and fasten the chain ends together (4).

Getting Started

During the loading process, the operator of the tractor is required to remain in the operator's position at all times to start and stop the PTO shaft and to keep the tractor / grain bag loader moving in a straight line with the grain bag. Position a person along side the grain bag loader (on the side away from the grain loading equipment) to monitor the grain bag and to increase or decrease grain bag loader brake pressure as needed. Position a person at the controls of the truck unloading auger to monitor grain flow speed and location of the swing hopper. The operator of the grain transport vehicle is required to remain in the operator's position at all times during the loading process to move the grain transport vehicle and monitor when the vehicle is empty.



WARNING: Do not allow anyone to operate the machine until he or she has read the owner's manual and is completely familiar with all safety precautions.



WARNING: Do not wear loose hanging clothes, neckties, or jewelry. Long hair is to be placed under a cap or hat. These precautions will help prevent you from becoming caught in any moving parts on the machine.

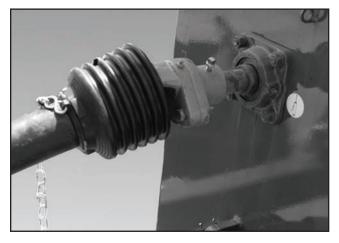


WARNING: Always have an operator in the tractor while the machine is in operation.



WARNING: The machine requires an operator at all times. Never leave the machine running unattended.

Move the tractor and truck unloading auger into position.



Install the PTO driveshaft from the lower truck unloading auger jackshaft to the grain bag loader (GBL).



Connect the cables and hydraulic lines to the extensions.

Connect the hydraulic hoses to the tractor.

Move the hopper wheels up and down. Run the hopper wheels raised in the air for a while to allow for air to purge from the lines. Get comfortable with the speed and operation of the swing hopper mover before using machine under a truck.

Operating Procedure

Operation Notes

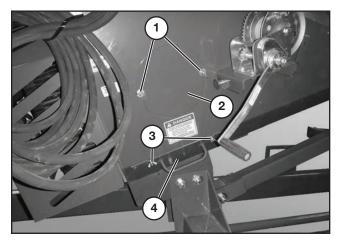
Unplugging An Auger



WARNING: Make sure the tractor is turned off before attempting to unplug the auger. Follow the procedures in this section to avoid serious injury or death.



CAUTION: To avoid damage to the machine, the access doors must be removed before attempting to unplug the auger.



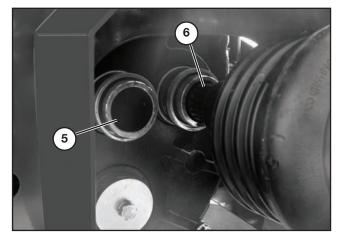
Loosen the two wingnuts (1). Lift up and remove the upper door (2).

Loosen the two wingnuts (3) and lift the lower door (4) off.



IMPORTANT: The upper and lower doors must be removed. Failure to remove both will result in damage to the equipment.





Shaft location (5) will turn the augers backwards.

Disconnect the PTO shaft (6) from the operation (loading) position and install into shaft location (5) to unplug auger(s) if necessary.

Verify that the upper and lower doors have been removed

Start the tractor.

Engage the PTO and run at idle speed to unplug the auger.

Material causing the plug will be discharged from the access doors.



WARNING: To avoid serious injury or death, keep hands and arms away from access doors and auger while unplugging the auger. Do not pull on plugged material while engine is running and PTO is engaged.

(Procedure continued on following page.)

Operating Procedure (Cont'd)

Operation Notes (Cont'd)

Disengage the PTO and turn the tractor off.

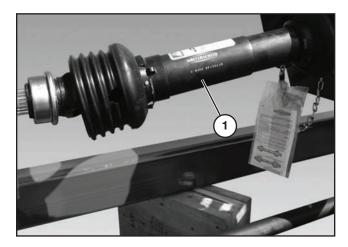


WARNING: Failure to turn the tractor off before disconnecting the PTO shaft and replacing the access doors could result in serioius injury or death.

Replace each access door to its proper position, then reinstall and tighten the wingnuts.

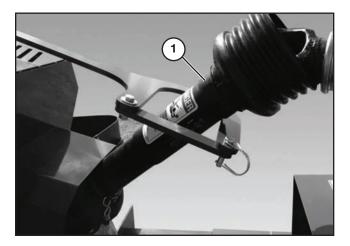
Disconnect the PTO shaft from its location (5) and install back into the operation (loading position) (6).

Loading Grain Directly Into Top Hopper



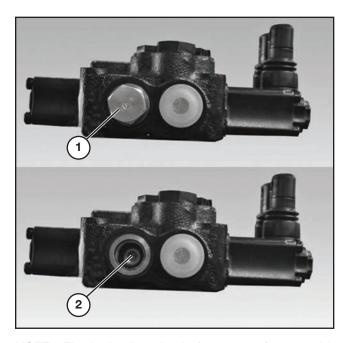
If the truck auger is not being used and the grain will be loaded directly into the top hopper, disconnect this PTO shaft (1).

Storing The Disconnected PTO Shaft



Store the disconnected PTO shaft (1) in this location.

Open Center Hydraulic System Use

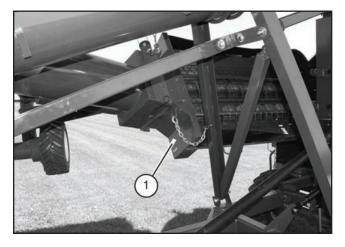


NOTE: The hydraulic valve is factory set for use with closed center hydraulic systems.

If the tractor being used has an open center hydraulic system, remove plug (1). Remove inner plug (1/4" BSPP) (2) from hydraulic valve port using a 6mm allen wrench and reinstall plug (1). Retain inner plug for changing back to closed center.

Operating Procedure (Cont'd)

Lowering The Swing Auger



Disconnect the lower transport chain (1).

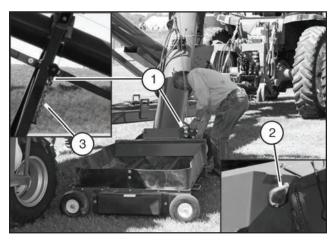


Turn the transport winch (1) clockwise to raise the swing hopper and remove tension from the upper transport chain.



Disconnect the upper transport chain (1).

Turn the transport winch counter-clockwise and lower the swing hopper to the ground.



Disconnect the transport winch cable (1) from the swing hopper support ring (2).

Connect the transport winch cable (1) to the lower transport chain (3). Remove slack in the transport winch cable.

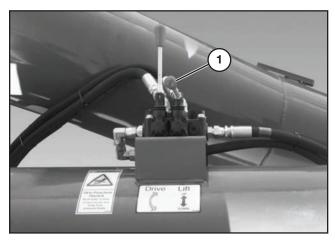
Install the auxiliary hydraulic hoses to the tractor.

Start the tractor engine and engage auxiliary hydraulics.

Operating Procedure (Cont'd)

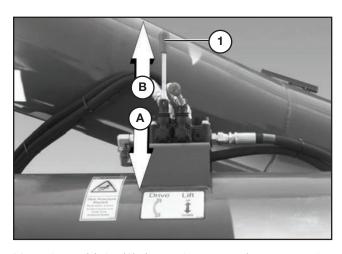
Swing Hopper Controls

Up And Down Movement



Push up on lever (1) to raise the swing hopper. Push down on the lever to lower the swing hopper.

Left And Right Movement



Move lever (1) in (A) (towards operator) to move the swing hopper to the left. Move the lever out (B) (away from operator) to move the swing hopper to the right.

Loading The Grain Bag



Align "START" decals.



Align the rear compartment of the trailer over the swing hopper.

Engage the tractor PTO slowly to start auger rotation.

NOTE: Always engage the PTO at idle speed to prevent unnecessary stress to the driveline.



WARNING: Do not exceed 1000 RPM PTO speed.

(Procedure continued on following page.)

Operating Procedure (Cont'd)

Loading The Grain Bag (Cont'd)



Slowly open the rear compartment door.

Adjust door opening until the augers can move the grain from the swing hopper to the top (main) hopper without over-flowing the swing hopper.



WARNING: Never step over or crawl around the equipment while the PTO is engaged; entanglement could occur.

Once the rear compartment is emptied, disengage the PTO and close the compartment door.

Align "START" decals.

Align the front compartment of the trailer over the swing hopper.

NOTE: Engage the tractor PTO slowly to start auger rotation.



WARNING: Do not exceed 1000 RPM PTO speed.

Slowly open the front compartment door.

Adjust door opening until the augers can move the grain from the swing hopper to the top (main) hopper without over-flowing the swing hopper.

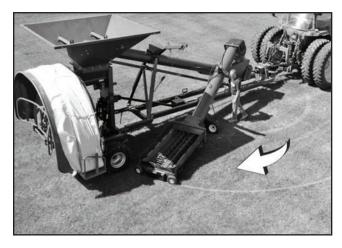
Once the front compartment is emptied, disengage the PTO and close the compartment door.

Move the swing hopper out from under the trailer.

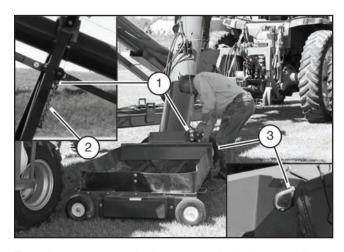
Disengage the tractor auxiliary hydraulics and turn engine "OFF".

Switching to Transport Position

Disengage the tractor PTO.



Move the swing hopper towards the rear of the machine.



Turn the transport winch counter-clockwise to release the tension on the transport winch cable.

Disconnect the transport winch cable (1) from the lower transport chain (2).

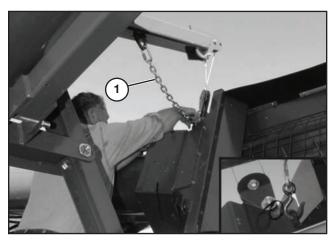
Connect the transport winch cable (1) to the swing hopper support ring (3).

(Procedure continued on following page.)

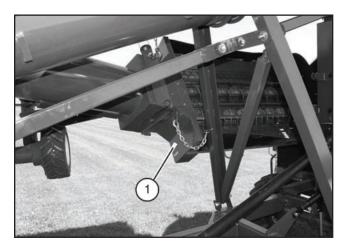
Switching to Transport Position (Cont'd)



Turn the transport winch (1) clockwise to raise the swing hopper until the upper transport chain can be connected.



Connect the upper transport chain (1) to the swing hopper support ring (2).



Turn the transport winch counter-clockwise to lower the swing hopper until the tension is off the transport winch cable.

Connect the lower transport chain (1).

See the grain bag loader manual for detailed information on placing the grain bag loader into the transport position.



Transporting the grain bag loader/truck auger.



WARNING: Be sure the machine is in the transport position before transporting on a roadway.



WARNING: Do not exceed speed rating (20 mph [32 km/h]) on the factory provided tires.

General Maintenance

See "Maintenance Safety" on page 5 before performing any service or maintenance on the truck unloading auger.



WARNING: Always shut down the tractor, remove the ignition key, set the park brake and remove the PTO shaft from the tractor before performing any inspections or maintenance.

To ensure efficient operation, you should inspect, lubricate, and make necessary adjustments and repairs at regular intervals. Parts that are starting to show wear should be ordered ahead of time, before a costly breakdown occurs and you have to wait for replacement parts. Keep good maintenance records, and adequately clean your grain bag loader after each use.

Maintenance Schedule

| HOURS | SERVICE POINTS | SERVICE REQUIRED CHECK | PAGE # |
|-------------|---------------------------------|------------------------------|--------|
| | | OHEOR | |
| Every | Hopper Drive Chain Tightness | Х | 44 |
| 8 | Main Drive Chain Tightness | Х | 45 |
| | Lower Gearbox | Х | 42 |
| | Upper Gearbox | Х | 42 |
| Every 50 | Bearing Set Screws | X | 38 |
| 30 | Sprocket Set Screws | Х | 38 |
| | Safety Labels | Х | 6 |
| | Hoses and Wiring | Х | 5 |
| Every | Oil Leaks | Х | 5 |
| 100 | Main Auger Helical Gearbox | Х | 43 |

Fluids And Lubricants



CAUTION: Use proper safety procedures when handling petroleum products including, but not limited to, the use of rubber gloves and eye protection.

Proper lubrication is important. Too little lubricant will cause premature failure of a bearing. Too much lubrication usually causes high operating temperature and early failure of seals. Follow all lubrication instructions and schedules included in this section.

- Grease Use an SAE multipurpose high temperature grease with extreme-pressure (EP) rating. Also acceptable is an SAE multipurpose lithium based grease.
- 2. Main Auger Helical Gearbox Use non-synthetic industrial 220 gear oil.
- The Lower And Upper Gearboxes Require EP90 gear oil.
- Storing Lubricants Your machine can operate at top efficiency only if clean lubricants are used. Use clean containers to handle all lubricants. Store them in an area protected from dust, moisture and other contaminants.

Maintenance

Lubrication

Grease Points

 \triangle

WARNING: Do not lubricate parts while the machine is running.

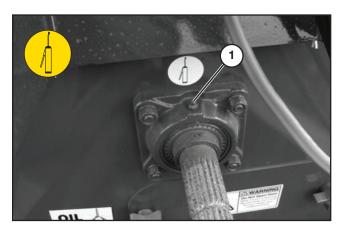
Use an SAE multipurpose high temperature grease with extreme-pressure (EP) rating.

NOTE: Replace any broken or missing grease fittings. Be sure to clean fittings before greasing.

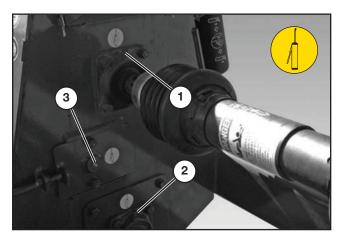
NOTE: See "Truck Unloading Auger Identification" on page 13 for component location and identification.



Location: Main driveline bearing (1). **Interval:** Every 8 hours of operation.



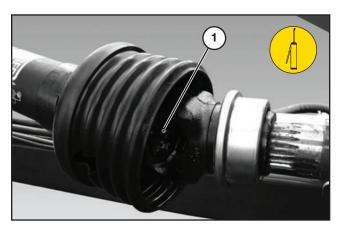
Location: PTO front drive bearing (1). **Interval:** Every 8 hours of operation.



Location: PTO back drive bearing (1). **Interval:** Every 8 hours of operation.

Location: Driveline bearing (2). **Interval**: Every 8 hours of operation.

Location: Auger drive tightener (3). **Interval**: Every 8 hours of operation.



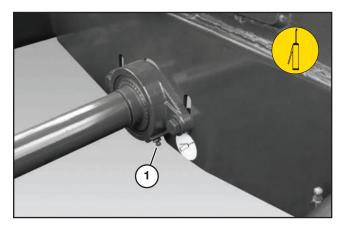
Location: PTO u-joints (1) (both ends on both PTO

drivelines).

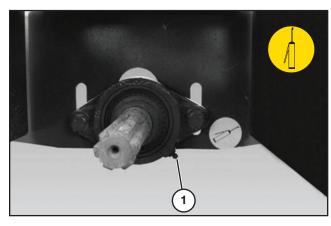
Interval: Every 8 hours of operation.

Lubrication (Cont'd)

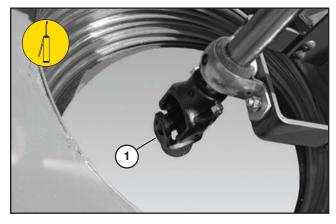
Grease Points (Cont'd)



Location: Driveline bearing (1) Interval: Every 8 hours of operation.

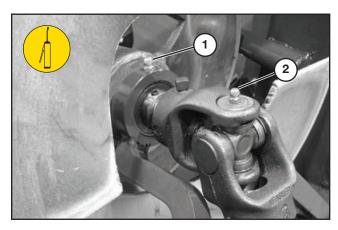


Location: Driveline bearing (1). Interval: Every 8 hours of operation.



Location: Swing u-joint (1).

Interval: Every 8 hours of operation.

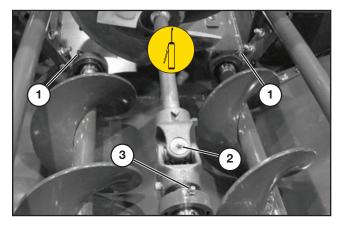


Location: Transition mount (1) and u-joint (2). **Interval:** Every 8 hours of operation.

Maintenance

Lubrication (Cont'd)

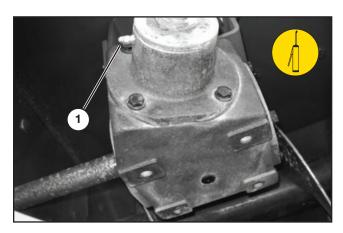
Grease Points (Cont'd)



Location: Flight hanger (1), u-joint (2) and hopper drive

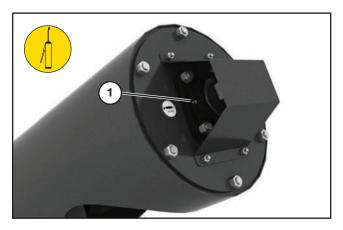
shaft mount (3).

Interval: Every 8 hours of operation.

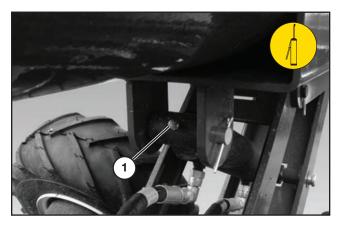


Location: Main auger gearbox (1).

Interval: Every 50 hours of operation or annually.



Location: Main auger end (1). **Interval:** Every 8 hours of operation.



Location: Swing cylinder base end (1). **Interval:** Every 50 hours of operation.

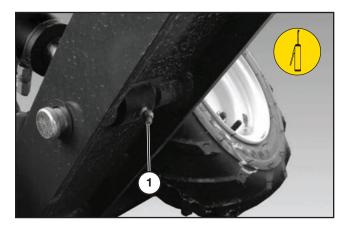


Location: Auger bearing (1).

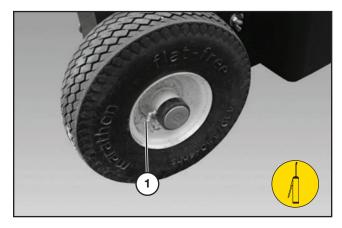
Interval: Every 8 hours of operation.

Lubrication (Cont'd)

Grease Points (Cont'd)

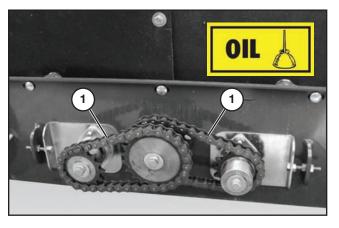


Location: Swing cylinder rod end (1). **Interval:** Every 50 hours of operation.



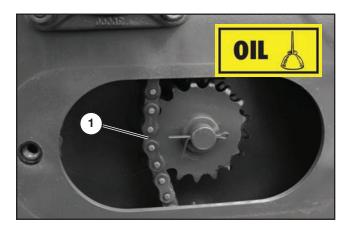
Location: Hopper tires (1).

Interval: Every 50 hours of operation or annually.



Location: Hopper chains (1). 30W oil or chain lubricant

Interval: Every 40 hours of operation.



Location: Drive chain (1). 30W oil or chain lubricant.

Interval: Every 40 hours of operation.

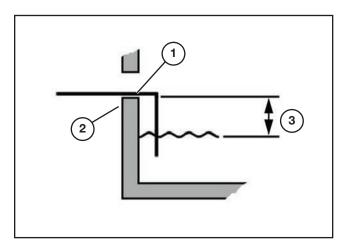
Maintenance

Gearbox

Checking Gearbox Oil Levels

NOTE: Always check the gearbox oil levels with the truck auger in the transport or working position.

Use the following procedure for the upper gearbox only.



Bend a piece of wire (1) at a 90° angle. Place a mark on the wire bend at the desired height.

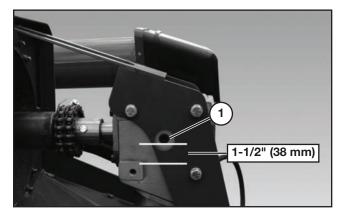
 Upper Gearbox Oil Level - 1-1/2 in. (38 mm) below the fill hole.

Insert the wire into the gearbox. Rest the wire on the bottom (2) of the fill hole and wire pointing downward.

Remove the wire. If the oil level (3) is below the mark on the wire, add gear oil to the correct level.

Upper Gearbox

NOTE: Check gear oil level every 50 hours of operation or annually.



Remove the plug (1) from the gearbox.

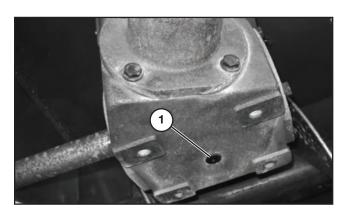
The gear oil should be approximately 1-1/2 in. (38 mm) below the bottom of the fill hole.

Add gear oil (if necessary) to the correct level and install plug.

NOTE: The upper gearbox requires 24 oz. (710 ml) of EP90 gear oil.

Lower Gearbox

NOTE: Check gear oil level every 50 hours of operation or annually.



Remove the plug (1) from the gearbox.

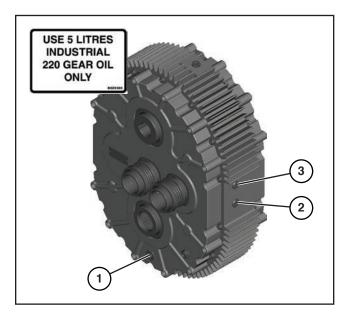
The gear oil should be level with the bottom of the fill plug hole (1).

Add gear oil (if necessary) to the correct level and install plug.

NOTE: The lower gearbox requires 24 oz. (710 ml) of EP90 gear oil.

Gearbox (Cont'd)

Main Auger Helical Gearbox



NOTE: Check the main auger helical gearbox oil level every 100 hours.

The gear oil should be level with the bottom of the level plug hole (2).

Add gear oil (if necessary) to the correct level and install plug.

Flush the main auger helical gearbox after the first 50 hours of operation and every 500 hours thereafter.

Flushing The Main Auger Helical Gearbox



IMPORTANT: Fluid such as engine oil, hydraulic fluid, grease, etc. must be disposed of in an environmentally safe manner. Some regulations require that certain spills and leaks on the ground must be cleaned in a specific manner. See local, Provincial, and federal regulations for the correct disposal.

Remove the plug (1) and fill plug (3). Drain and flush the gearbox.

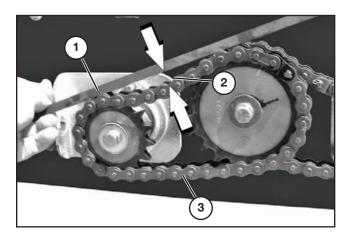
Install plug (1). Remove the level plug (2). Add 169 oz. (5 L) of non-synthetic 80-90w oil. Install plug (2) and fill plug (3).

NOTE: 80-90w oil is equivalent to 220 gear oil.

Maintenance

Hopper Drive Chain

Checking Hopper Drive Chain Tension

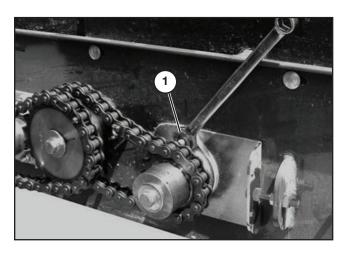


Remove hopper chain guard.

Place a straight edge (1) across the two sprockets and chain.

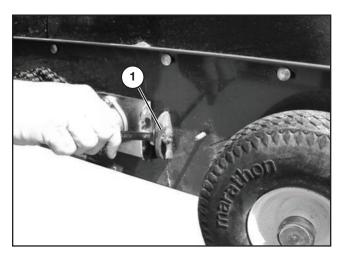
There should be approximately 3/8 in. (9.52 mm) deflection in the top section (2) of the chain and no sag at the bottom section (3). Adjust if necessary.

Adjusting Hopper Drive Chain Tension

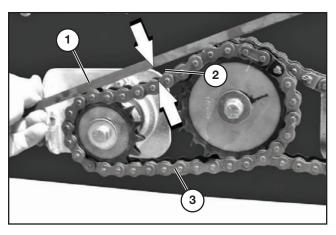


Remove hopper chain guard.

Loosen the two bearing bolts (1).



Loosen the two jam nuts (1) on the adjuster(s).



Place a straight edge (1) across the two sprockets and chain

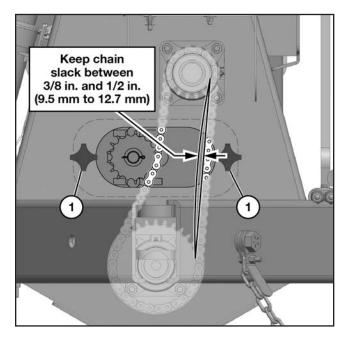
Adjust the chain tension until there is approximately 3/8 in. (9.52 mm) deflection in the top section (2) of the chain and no sag at the bottom section (3).

Once the drive chain tension has been adjusted, tighten the two jam nuts and two bearing bolts.

Repeat procedure for second drive chain.

Main Drive Chain

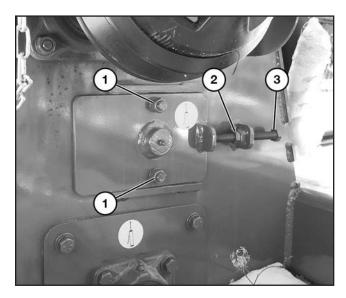
Checking Main Drive Chain Tension



Remove main chain cover by loosening and removing the two knobs (1).

The chain should move no more than 3/8 in. to 1/2 in. (9.5 mm to 12.7 mm) when pressure applied at the midpoint.

Adjusting Main Drive Chain Tension



From the opposite side of the drive housing, loosen the two bracket bolts (1) and the jam nut (2).

Turn the adjustment bolt (3)

Clockwise to increase chain tension.

Counterclockwise to decrease chain tension.

The chain should move no more than 3/8 in. to 1/2 in. (9.5 mm to 12.7 mm) when pressure applied at the midpoint.

When correct tension is achieved, retighten the two bracket bolts and the jam nut.

Return the chain cover to its position and secure with the two knobs.

Maintenance

Troubleshooting

To assist with maintenance and repair, the following list of common problems and corrections is provided.

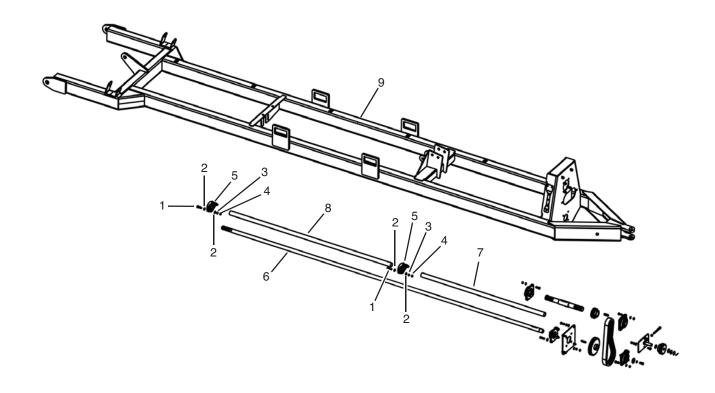
| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| PTO driveline vibration. | PTO driveline loose or worn. | Check the PTO driveline connections, tighten or repair if necessary. |
| | PTO driveline u-joints dry. | Lubricate the u-joints. |
| Oil discharging from gearbox. | Gearbox overfilled. | Check oil level. See "Checking Gearbox Oil Levels" on page 42. |
| Chains on swing hopper noisy. | Chains are dry. | Lubricate chains. |
| | Chains are too tight. | Adjust chain tension. See "Adjusting Hopper Drive Chain Tension" on page 44. |
| | Chains are loose. | Adjust chain tension. See "Adjusting Hopper Drive Chain Tension" on page 44. |
| Auger transition bearings are hot. | Universal joint out of alignment. | Align Universal joint. See "Hopper/ Tube Assembly" on page 22. |
| Swing hopper control valve not working. | Tractor equipped with open-center hydraulics. | Convert valve to open center hydraulics. |
| Swing hopper does not move left or right. | Plugged orifice. | Clean orifice. See "Hydraulic Diagram", item 18, on page 67 for part location and identification. |
| Swing hopper does not lower or raise. | Worn seals in cylinder. | Replace cylinder. |
| Swing hopper augers contacting hopper. | Bearing eccentric collars are loose. | Tighten eccentric collars. Turn clockwise to tighten. |
| | Brass bushing on support are worn. | Replace brass bushings. |



PARTS IDENTIFICATION AND HYDRAULIC SCHEMATICS

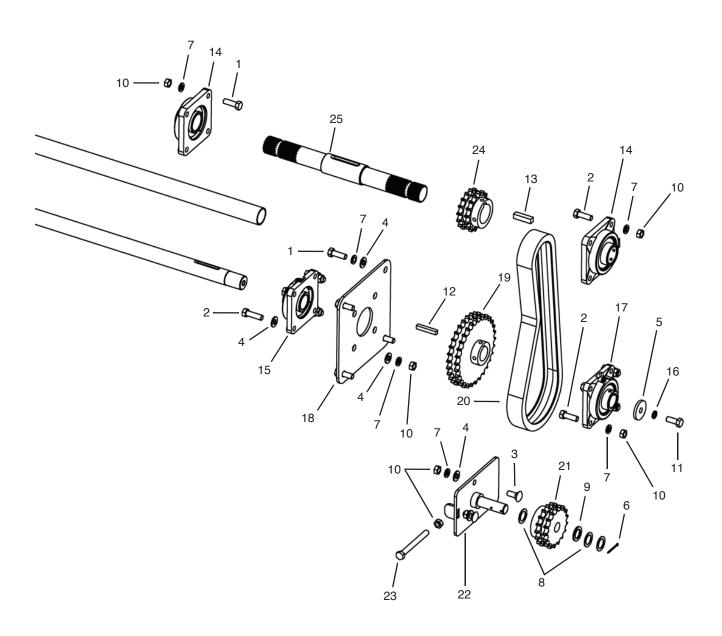


Bottom Frame Assembly



| # | QTY. | PART # | DESCRIPTION |
|---|------|--------|----------------------------------|
| 1 | 4 | 4014 | BOLT, 1/2" x 1 - 3/4" GRADE 5 |
| 2 | 8 | 4068 | WASHER, 1/2" SAE FLAT |
| 3 | 4 | 4155 | WASHER, LOCK 1/2" |
| 4 | 4 | 4250 | NUT, STANDARD 1/2" |
| 5 | 2 | N30230 | BEARING, 1 - 1/2" DODGE 2BLT FLG |
| 6 | 1 | N33270 | SHAFT, GBL TRUCK AUGER FRAME BTM |
| 7 | 1 | N27620 | GUARD, GBL AUG FRM DRV SFT SHT |
| 8 | 1 | N27621 | GUARD, GBL AUG FRM DRV SFT LG |
| 9 | 1 | N27769 | FRAME, GBA MECH SWING AUGER |

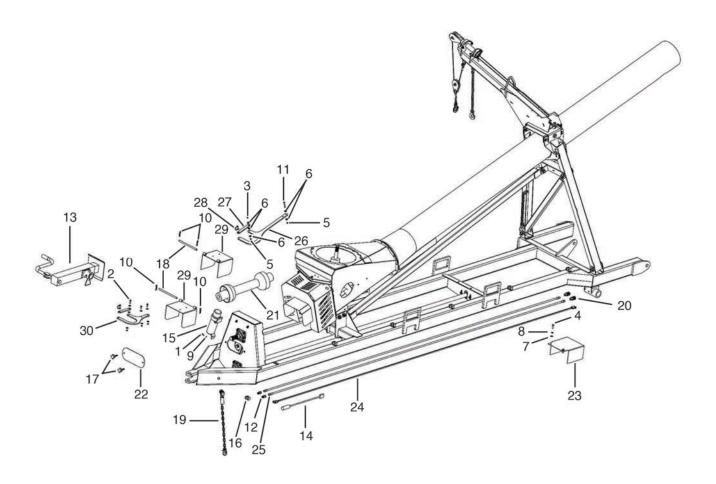
Bottom Frame Drive Assembly



Bottom Frame Drive Assembly

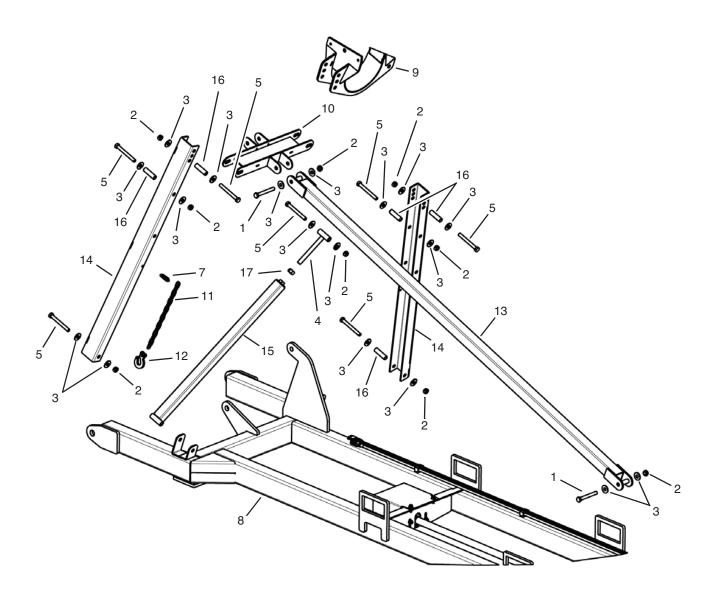
| # | QTY. | PART # | DESCRIPTION |
|----|------|-----------|--------------------------------------|
| 1 | 4 | 4012 | BOLT, 1/2" x 1 - 1/4" GRADE 5 |
| 2 | 16 | 4013 | BOLT, 1/2" x 1 - 1/2" GRADE 5 |
| 3 | 2 | 4038 | BOLT, CARRIAGE 1/2" x 1 - 1/4" |
| 4 | 14 | 4068 | WASHER,1/2" SAE FLAT |
| 5 | 1 | 4074 | WASHER, 2" OD x 1/2" ID x 1/4" |
| 6 | 1 | 4099 | PIN, COTTER 1/8" x 1 - 1/2" |
| 7 | 22 | 4155 | WASHER, LOCK 1/2" |
| 8 | 3 | 4157 | WASHER, 1" ID THIN SPACER |
| 9 | 1 | 4158 | WASHER, 1" ID THICK SPACER |
| 10 | 19 | 4250 | NUT, STANDARD 1/2" |
| 11 | 1 | 4535 | BOLT, 1/2" x 1 - 1/4" GR 8 FINE THRD |
| 12 | 1 | 7121 - 07 | KEY, 3/8" x 2 - 1/2" |
| 13 | 1 | 7122 - 06 | KEY, 1/2" x 2 - 1/2" |
| 14 | 2 | N30233 | BEARING, 1 3/4" DODGE 4BLT FLG |
| 15 | 1 | N30229 | BEARING, 1 - 1/2" 4 - BOLT FLG DODGE |
| 16 | 1 | N16472 | WASHER, 1/2" NORDLOCK |
| 17 | 1 | N30228 | BEARING, 1 -7/16" DODGE 4 BOLT |
| 18 | 1 | N27407 | PLATE, GBL AUGER FRM BEARING |
| 19 | 1 | N27475 | SPROCKET, 60B30 DOUBLE 1 - 1/2" RB |
| 00 | 1 | N27476 | CHAIN, 60 DOUBLE 66 PITCH |
| 20 | 1 | N1833 | LINK, #60 DOUBLE CHAIN CONNECTOR |
| 21 | 1 | N27477 | SPROCKET, IDLER 60B17 DOUBLE |
| 22 | 1 | N27478 | BRACKET, GBL AUG FRM DRV TGHT |
| 23 | 1 | N27483 | BOLT, 1/2" x 5" FULL THREAD GR 5 |
| 24 | 1 | N27893 | SPROCKET, 60B16 DOUBLE 2" RB |
| 25 | 1 | 201075 | SHAFT, GBA FRAME TOP SPLINED |

Main Auger Base Assembly

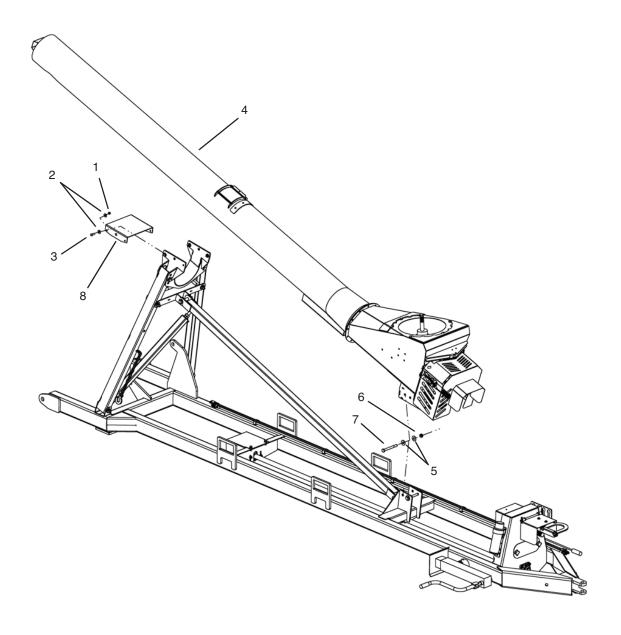


Main Auger Base Assembly

| # | QTY. | PART # | DESCRIPTION |
|----|------|---------|-----------------------------------|
| | | | |
| 1 | 3 | 4000 | BOLT, 1/4" x 1" GRADE 5 |
| 2 | 2 | 4005 | BOLT, 3/8" x 1 - 1/4" GRADE 5 |
| 3 | 2 | 4006 | BOLT, 3/8" x 1 - 1/2" GRADE 5 |
| 4 | 2 | 4013 | BOLT, 1/2" x 1 - 1/2" GRADE 5 |
| 5 | 6 | 4052 | NUT, LOCK 3/8" |
| 6 | 14 | 4064 | WASHER, FLAT 3/8" |
| 7 | 2 | 4068 | WASHER, 1/2" SAE FLAT |
| 8 | 2 | 4155 | WASHER, LOCK 1/2" |
| 9 | 3 | 4231 | WASHER, LOCK 1/4" |
| 10 | 4 | 4336 | CLIP, HAIRPIN 1/8" x 2 - 1/4" |
| 11 | 2 | 4538 | BOLT, 3/8" x 2 - 3/4" GRADE 5 |
| 12 | 2 | N11825 | COUPLER, 1/2" MALE PIONEER |
| 13 | 1 | N13732 | JACK, PULL - TYPE HITCH |
| 14 | 1 | N16287 | HARNESS, 30' BRAIDED TOUNGE |
| 15 | 1 | N19600 | HOLDER,01 - 315A STND. MANUAL |
| 16 | 6 | N21365 | CLAMP, 3/8" DOUBLE HOSE |
| 17 | 2 | N22397 | KNOB, 1/2" x 2" FOUR PRONG |
| 18 | 2 | N22553 | PIN, GBU PTO SHIELD |
| 19 | 1 | N24248 | CHAIN, SAFETY W / MOUNT HARDWARE |
| 20 | 2 | N26361 | COUPLER, 1/2" FEMALE PIONEER |
| 21 | 1 | N153393 | PTO, 1 - 3/4" PT WEASLER 35E |
| 22 | 1 | N27409 | COVER, GBL AGR FRM FRT DRIVE |
| 23 | 1 | N27869 | SHIELD, GBL AUG FRM DRIVELINE |
| 24 | 1 | N33189 | HARNESS, WINCH WIRE EXTENSION |
| 25 | 2 | N27910 | HOSE, 3/8" x 192" HYD - 8MP - 8MP |
| 26 | 1 | N27989 | HOLDER, GBL TRK AUG PTO LONG |
| 27 | 2 | N27990 | BAR, GBL SWING AUG PTO HOLDER |
| 28 | 2 | N27991 | PIN, 3/8" x 1 - 3/8" RETAINER |
| 29 | 2 | N27992 | SHIELD, GBL TRUCK AUGER PTO |
| 30 | 1 | N27994 | HOLDER, GBL TRK AUG PTO SHRT |

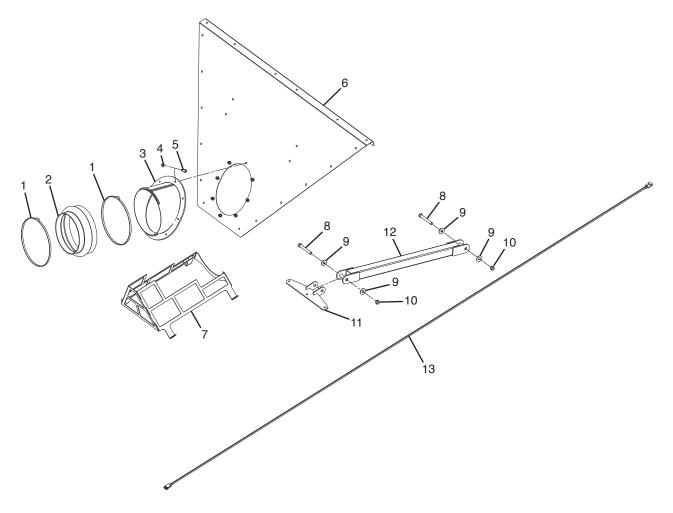


| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|---------------------------------|
| 1 | 2 | 4029 | BOLT, 3/4" x 6" GRADE 5 |
| 2 | 11 | 4056 | NUT, LOCK 3/4" |
| 3 | 22 | 4071 | WASHER, 3/4" FLAT |
| 4 | 1 | N29005 | MOUNT, GBL TRK AUG FRM ADJ BRC |
| 5 | 6 | 4458 | BOLT, 3/4" x 6 - 1/2" GR. 5 |
| 6 | 2 | 4487 | BOLT, 3/4" x 7" GRADE 5 |
| 7 | 1 | N23776 | LINK, 5/16" CHAIN CONNECTOR |
| 8 | 1 | N27768 | ASSEMBLY, GBA MECH AUG FRAME |
| 9 | 1 | N33039 | MOUNT, GBA AUGER SADDLE HVY |
| 10 | 1 | N27780 | TIE, GBA AUGER CENTER |
| 11 | 1 | N27873 | CHAIN, GBL SWING HOPPER SAFETY |
| 12 | 1 | N27875 | HOOK, 5/16" CLEVIS - WARN WINCH |
| 13 | 1 | N27890 | BRACE, GBL SWG AUG FRAME FRT |
| 14 | 2 | N27969 | BRACE, GBL SWG AUG VERT WLDMT |
| 15 | 1 | N33519 | MOUNT, GBA SHORT ADJ ARM |
| 16 | 5 | N29067 | BUSHING, TRUCK AUG BRACE WELD |
| 17 | 1 | 4059 | NUT, 1" STANDARD |



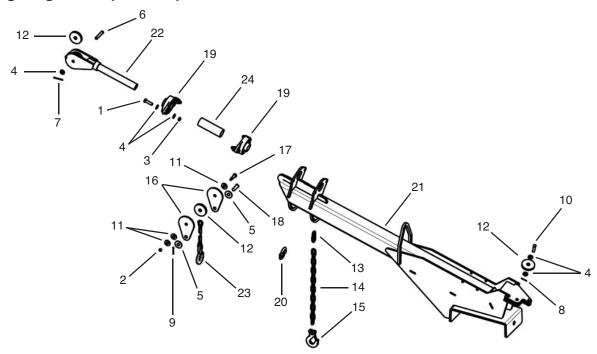
| # | QTY. | PART # | DESCRIPTION |
|---|------|--------|----------------------------|
| 1 | 4 | 4054 | NUT, LOCK 1/2" |
| 2 | 8 | 4486 | WASHER, FLAT 1/2" USS |
| 3 | 6 | 4013 | BOLT, 1/2" x 1 - 1/2" GR 5 |
| 4 | 1 | N37118 | AUGER, GBA TRUCK 13" W/BRG |
| 5 | 4 | 4071 | WASHER, 3/4" FLAT |
| 6 | 2 | 4056 | NUT, LOCK 3/4" |
| 7 | 2 | 4487 | BOLT, 3/4" x 7" GRADE 5 |
| 8 | 1 | N33043 | BRACKET, GBA AUGER |

GBA Hopper Panel Group (202172)



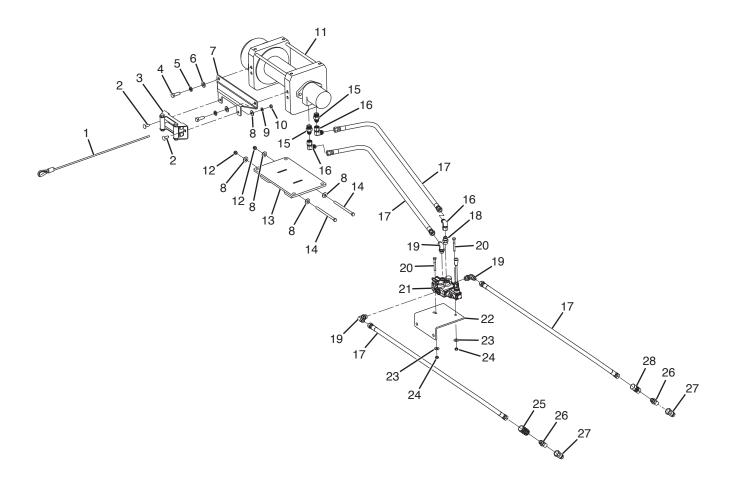
| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|--------------------------------|
| 1 | 2 | N27918 | CLAMP, HOSE 63" QUICK RELEASE |
| 2 | 1 | N27487 | SLEEVE, GBA AUGER FABRIC |
| 3 | 1 | N29697 | RING, GBA HOPPER PANEL AUGER |
| 4 | 8 | N29075 | NUT, LOCK 1/2" SERRATED FLANGE |
| 5 | 8 | N18360 | BOLT,1/2-13 X 1-1/4 SER FLG |
| 6 | 1 | 202173 | PANEL, GBL10 GBA HOPPER |
| 7 | 1 | 202176 | SCREEN, GBA HOPPER TRAPEZOID |
| 8 | 2 | 4029 | BOLT, 3/4" X 6" GRADE 5 |
| 9 | 4 | 4071 | WASHER, 3/4" FLAT |
| 10 | 2 | 4056 | NUT, LOCK 3/4" |
| 11 | 1 | N29008 | MOUNT, GBL TRK AUG TOP BRACE |
| 12 | 1 | N27972 | BRACE, GBL SWG AUG FRAME FRT |
| 13 | 1 | N33189 | CABLE, GBA 6 GA WINCH 16' EXT |

Swing Auger Lift (N33072)



| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|--|
| 1 | 4 | 4014 | BOLT, 1/2" x 1 - 3/4" GR 5 |
| 2 | 1 | 4052 | NUT, LOCK 3/8" |
| 3 | 4 | 4054 | NUT, LOCK 1/2" TOP |
| 4 | 11 | 4068 | WASHER, FLAT 1/2" SAE |
| 5 | 2 | 4069 | WASHER, FLAT 5/8" |
| 6 | 1 | 4088 | PIN, DEFLECTOR 1/2" x 3" TOP |
| 7 | 1 | 4092 | PIN, COTTER 5/32" x 2" |
| 8 | 1 | 4098 | PIN, COTTER 1/8" X 1" |
| 9 | 1 | 4099 | PIN, COTTER 1/8" x 1 - 1/2" |
| 10 | 1 | 4432 | PIN, 1/2" x 1 - 3/4" (2" OVERALL) |
| 11 | 3 | 4486 | WASHER, 1/2" FLAT |
| 12 | 3 | N22913 | PULLEY, 3/16" CABLE 2 - 1/2" DIA |
| 13 | 1 | N23776 | LINK, 5/16" CHAIN CONNECTOR |
| 14 | 1 | N27873 | CHAIN, GBL SWING HOPPER SAFETY |
| 15 | 1 | N27875 | HOOK, 5/16" CLEVIS - WARN WNCH |
| 16 | 2 | N27895 | PLATE, GBL SWING AUG CABLE BLK |
| 17 | 1 | N29072 | BOLT, SHOULDER 1/2" x 1 - 5/16" |
| 18 | 1 | N29073 | PIN, 5/8" x 1 - 1/2" PLATED (1 - 3/4") |
| 19 | 2 | N30230 | BEARING, 1 - 1/2" DODGE 2 BLT FLG |
| 20 | 1 | N30678 | LINK, 3/8" CM COUPLING |
| 21 | 1 | N33073 | ARM, GBA SWG AUG LIFT BOOM |
| 22 | 1 | N33076 | PIVOT, GBA SWG AUG LIFT |
| 23 | 1 | N33163 | HOOK, 7" CABLE DOUBLE EYE |
| 24 | 1 | N33235 | SHIELD, GBL12 LIFT ARM PIVOT PNT |

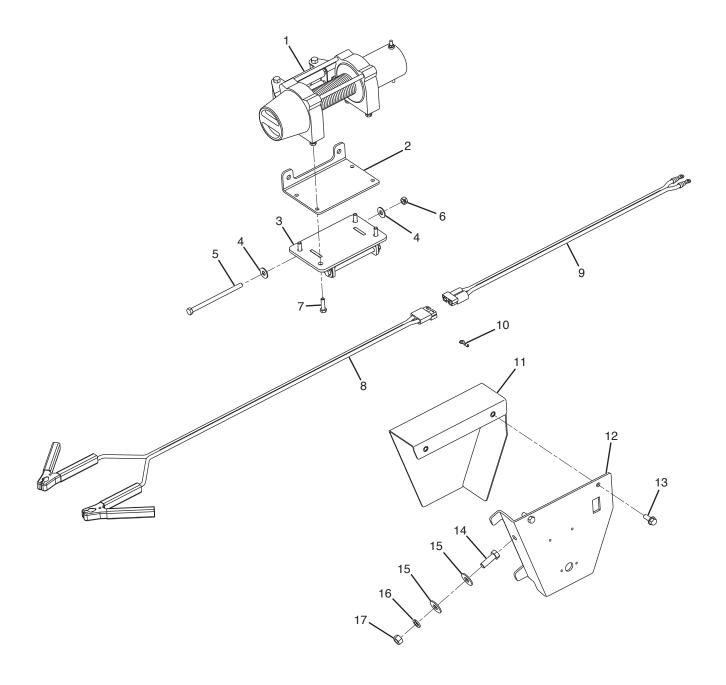
GBA Hydraulic Winch Lift Kit (N33093) (Optional)



GBA Hydraulic Winch Lift Kit (N33093) (Optional)

| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|---------------------------------|
| 1 | 1 | N33178 | CABLE, GBA HYD WINCH LIFT |
| 2 | 2 | 4034 | BOLT, CARRIAGE 3/8" X 1" GR. 5 |
| 3 | 1 | N29688 | FAIRLEAD, WARN RT40 WINCH |
| 4 | 2 | 4376 | BOLT, M12 X 35 MM |
| 5 | 2 | 4155 | WASHER, LOCK 1/2" |
| 6 | 2 | 4068 | WASHER, 1/2" SAE FLAT |
| 7 | 1 | N33158 | BRACKET, GBA HYD WINCH FRLD |
| 8 | 6 | 4064 | WASHER, FLAT 3/8" |
| 9 | 2 | 4065 | WASHER, 3/8 LOCK |
| 10 | 2 | 4233 | NUT, STANDARD 3/8" |
| 11 | 1 | N33092 | WINCH, WARN 9 SER HYD 9000 LB |
| 12 | 2 | 4052 | NUT, LOCK 3/8" |
| 13 | 1 | N33084 | MOUNT, GBA WARN HYD WINCH |
| 14 | 2 | 4520 | BOLT, 3/8" X 6" GRADE 5 |
| 15 | 2 | N12444 | ADAPTER, 8MJIC - 10MOR |
| 16 | 3 | N24827 | ELBOW, 90 DEG - 8FJC - 8MJC |
| 17 | 4 | N33184 | HOSE, 1/2" X 160" - 8FJC - 8FJC |
| 18 | 1 | N33185 | RESTRICTOR, 8MJIC - 8MOR078 |
| 19 | 3 | N11952 | ELBOW, 90 DEG - 08MJIC - 08MOR |
| 20 | 2 | 4204 | BOLT, 5/16" X 2-1/2" GRADE 5 |
| 21 | 1 | 202578 | VALVE, SINGLE SPOOL W/ HANDLE |
| 22 | 1 | N33160 | MOUNT, GBA HYD WINCH VALVE |
| 23 | 2 | 4369 | WASHER, 5/16" FLAT |
| 24 | 2 | 4051 | NUT, LOCK 5/16" |
| 25 | 1 | N24822 | DECAL, PRESSURE |
| 26 | 2 | N25586 | ADAPTER, 8MJIC - 12MP |
| 27 | 2 | N11825 | COUPLER, 1/2" MALE PIONEER |
| 28 | 1 | N24823 | DECAL, TANK |

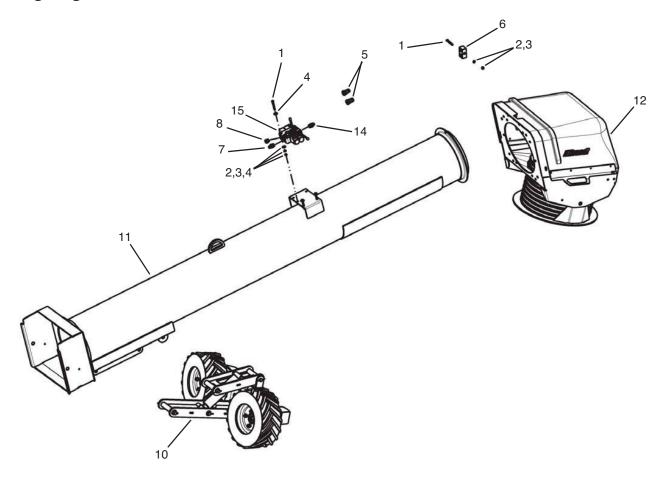
GBA Winch Lift Kit (N33113) (Optional)



GBA Winch Lift Kit (N33113) (Optional)

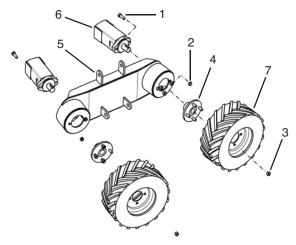
| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|-------------------------------|
| 1 | 1 | 201933 | WINCH, WARN VRX 45 |
| 2 | 1 | N30172 | MOUNT, WARN RT40 FAIRLEAD |
| 3 | 1 | N33114 | MOUNT, WARN RT40 GBA WINCH |
| 4 | 4 | 4064 | WASHER, FLAT 3/8" |
| 5 | 2 | 4520 | BOLT, 3/8" X 6" GRADE 5 |
| 6 | 2 | 4052 | NUT, LOCK 3/8" |
| 7 | 4 | N35220 | BOLT, M8 X 30 GR 8.8 |
| 8 | 1 | N30834 | CABLE, GBL10 6 GA WINCH TRCT |
| 9 | 1 | N30833 | CABLE, GBL10 6 GA WINCH IMP |
| 10 | 1 | N26656 | TERMINAL, 1/4" RING 16/14 AWG |
| 11 | 1 | N37342 | COVER, GBA ELEC WINCH PANNEL |
| 12 | 1 | 202594 | PLATE, GBA WINCH ELC MNT 2 |
| 13 | 2 | N26743 | BOLT, 3/8" X 1" SER FLG |
| 14 | 1 | 4013 | BOLT, 1/2" X 1-1/2" GRADE 5 |
| 15 | 2 | 4486 | WASHER, 1/2" FLAT |
| 16 | 1 | 4155 | WASHER, LOCK 1/2" |
| 17 | 1 | 4250 | NUT, STANDARD 1/2 |

Swing Auger

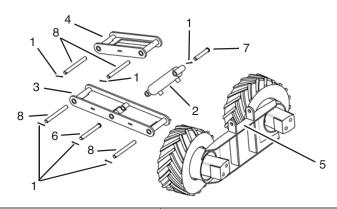


| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|---------------------------------------|
| 1 | 4 | 4204 | BOLT, 5/16" x 2-1/2" GRADE 5 |
| 2 | 4 | 4228 | WASHER, 5/16" LOCK |
| 3 | 4 | 4237 | NUT, 5/16" STANDARD |
| 4 | 3 | 4369 | WASHER, 5/16" FLAT |
| 5 | 2 | N11825 | COUPLER, 1/2" MALE PIONEER |
| 6 | 1 | N13383 | CLAMP, DBL. 1/2" SUPP. HOSE |
| 7 | 1 | N23447 | VALVE, 5 PSI CHECK 8MOR - 8MJC |
| 8 | 1 | N25198 | PLUG, 8MOR HEX |
| 9 | 1 | N27850 | KIT, GBL SWING AUGER HOSE (NOT SHOWN) |
| 10 | 1 | N27851 | DRIVE, GBL BRANDT SWING AUG |
| 11 | 1 | N27912 | TUBE, BRANDT SWING AUG |
| 12 | 1 | N29041 | KIT, BRANDT SWING AUGER PARTS |
| 13 | 1 | N29043 | KIT, GBL SWING AUG DECAL (NOT SHOWN) |
| 14 | 1 | N29074 | RESTRICTOR, 8MJIC - 8 MOR - 0.031 |
| 15 | 1 | N37627 | VALVE, 2 - SECTION M45 HYDO CONT |

Swing Auger Drive

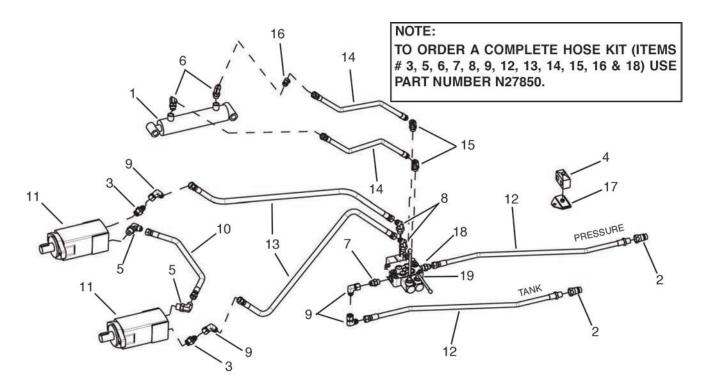


| # | QTY. | PART # | DESCRIPTION |
|---|------|--------|-----------------------------------|
| 1 | 4 | 4013 | BOLT, 1/2" x 1 - 1/2" GRADE 5 |
| 2 | 3 | 4054 | NUT, LOCK 1/2" |
| 3 | 8 | 4318 | NUT, LUG 1/2" UNF |
| 4 | 2 | N26314 | HUB, GBA DRIVE WHEEL ADAPTER |
| 5 | 1 | N27533 | FRAME, GBL BRANDT AUG DRV |
| 6 | 2 | N27605 | MOTOR, PARKER HYD 11.9 CU IN |
| 7 | 2 | N27887 | WHEEL, 16 x 6.5 FILLED TIRE & RIM |



| # | QTY. | PART # | DESCRIPTION |
|---|------|--------|---------------------------------|
| 1 | 10 | 4099 | PIN, COTTER 1/8" x 1 - 1/2" |
| 2 | 1 | 8287 | CYLINDER, HYDRAULIC 2" x 6" |
| 3 | 1 | N27520 | LINK, GBL AUGER DRIVE LONG |
| 4 | 1 | N27526 | LINK, GBL AUGER DRIVE SHORT |
| 5 | 1 | N27532 | ASSEMBLY, GBL SWING AUGER DRIVE |
| 6 | 1 | N27614 | PIN, 3/4" x 6 - 1/4" |
| 7 | 1 | N27615 | PIN, 3/4" x 4 - 1/4" |
| 8 | 4 | N27629 | ROD, GBL AUG DRIVE 3/4" |

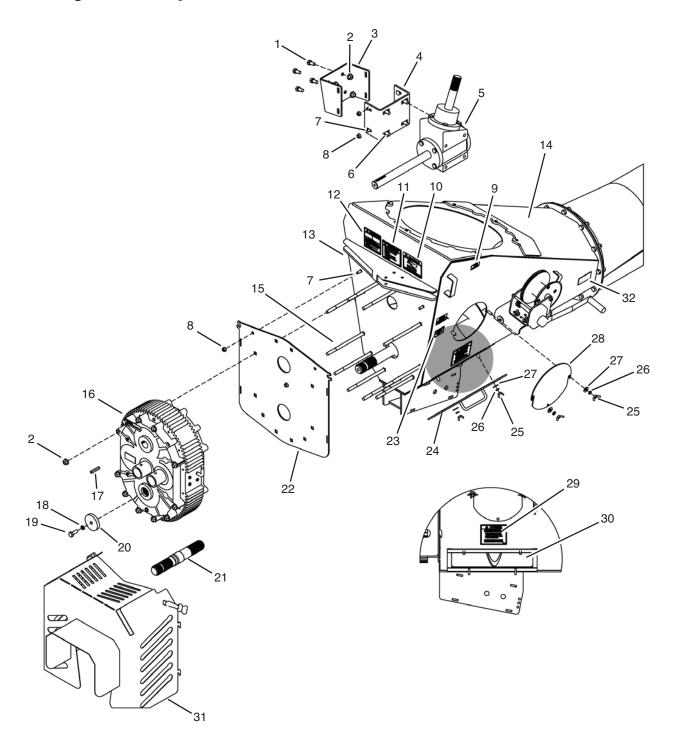
Hydraulic Diagram



Hydraulic Diagram

| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|----------------------------------|
| 1 | 1 | 8287 | CYLINDER, HYDRAULIC 2" x 6" |
| 2 | 2 | N11825 | COUPLER, 1/2" MALE PIONEER |
| 3 | 2 | N12444 | ADAPTER, 8MJIC - 10MOR |
| 4 | 1 | N13383 | CLAMP, DBL. 1/2" SUPP. HOSE |
| 5 | 2 | N16173 | ELBOW, 90 DEG - 8MJC - 10MOR |
| 6 | 2 | N20037 | ELBOW, 90 DEG - 6MJIC - 8MOR |
| 7 | 1 | N23447 | VALVE, 5 PSI CHECK 8MOR - 8MJC |
| 8 | 2 | N24667 | ELBOW, 45 DEG - 8MJC - 8MOR |
| 9 | 4 | N24827 | ELBOW, 90 DEG - 8FJC - 8MJC |
| 10 | 1 | N26397 | HOSE, 1/2" HYD 24" - 8FJC - 8FJC |
| 11 | 2 | N27605 | MOTOR, PARKER HYD 11.9 CU IN |
| 12 | 2 | N27924 | HOSE, 1/2" HYD 23" - 8MP - 8FJC |
| 13 | 2 | N27925 | HOSE, 1/2" HYD 78" - 8FJC - 8FJC |
| 14 | 2 | N27926 | HOSE, 3/8" HYD 78" - 6FJC - 6FJC |
| 15 | 2 | N27928 | ELBOW, 45 DEG - 6 MJC - 8 MOR |
| 16 | 1 | N28837 | ELBOW, 45 DEG - 6MJC - 6FJC |
| 17 | 1 | N29047 | MOUNT, 3/8 HOSE CLAMP |
| 18 | 1 | N29074 | RESTRICTOR, 8MJC - 8MOR - 0.031 |
| 19 | 1 | N37627 | VALVE, 2 SECTION M45 HYDO CONT |

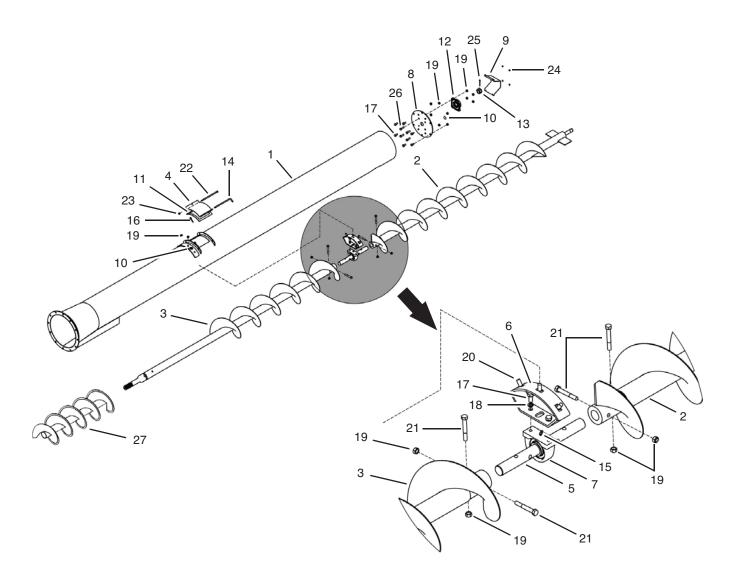
Main Auger Assembly



Main Auger Assembly

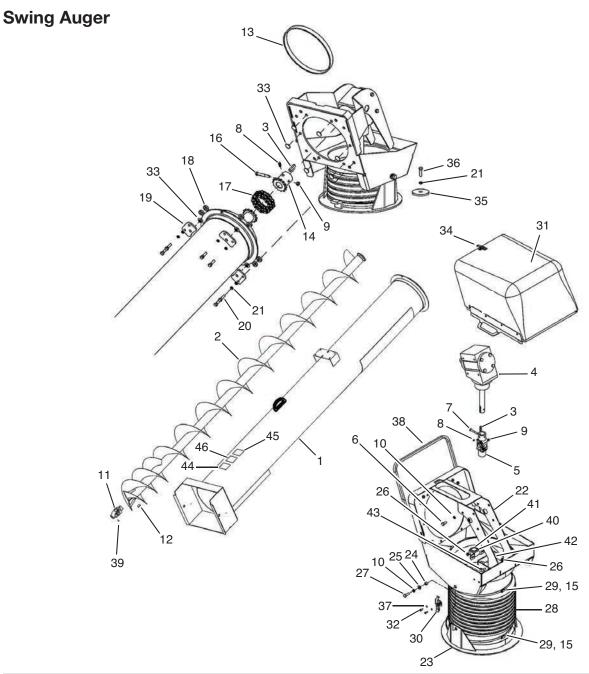
| # | QTY. | PART # | DESCRIPTION |
|----|------|---------|-----------------------------------|
| 1 | 4 | 4011 | BOLT, 1/2" x 1" GR 5 |
| 2 | 14 | N29075 | NUT, 1/2" SERRATED FLANGE |
| 3 | 1 | N26673 | MOUNT, HP OUTER GEARBOX |
| 4 | 1 | N26676 | MOUNT, INNER GBOX |
| 5 | 1 | N26687 | GEARBOX, HD - LOWER 13" HP MDSA |
| 6 | 4 | N26748 | BOLT, 1/2" x 1" SERRATED FLANGE |
| 7 | 6 | 4034 | BOLT, CARRIAGE 3/8" x 1" |
| 8 | 6 | 4979 | NUT, 3/8" SERRATED FLANGE |
| 9 | 1 | N26679 | DECAL, AUGER PATENT |
| 10 | 1 | N26683 | DECAL, CAUTION HOT SURFACE |
| 11 | 1 | N26680 | DECAL, SWING AUGER #20 |
| 12 | 1 | N26682 | DECAL, MOVING PART HAZARD |
| 13 | 2 | N26684 | LATCH, RUBBER |
| 14 | 1 | N31080 | BD BOOT, WELD |
| 15 | 10 | N26750 | BOLT, 1/2" x 9" CARRIAGE |
| 16 | 1 | N26688 | GEARBOX, 1.84:1 HELICAL |
| 17 | 1 | 7189-05 | KEY, 5/16" x 2" |
| 18 | 1 | 4155 | WASHER, LOCK 1/2" |
| 19 | 1 | 4012 | BOLT, 1/2" x 1 - 1/4" GR 5 |
| 20 | 1 | N26670 | WASHER, LOWER FLIGHT RETAINING |
| 21 | 1 | N26693 | SHAFT, DRIVE GEARBOX B003008 |
| 22 | 1 | N26677 | PLATE, BOOT FACE |
| 23 | 1 | N26760 | PLATE, LOFTNESS SERIAL NO. |
| 24 | 1 | N26675 | DOOR, CLEAN OUT |
| 25 | 4 | N19307 | NUT, WING 3/8" |
| 26 | 4 | 4065 | WASHER, LOCK 3/8" |
| 27 | 4 | 4064 | WASHER, FLAT 3/8" |
| 28 | 1 | N26678 | COVER, BOOT ACCESS |
| 29 | 1 | N26681 | DECAL, CLEAN OUT COVERS #15 |
| 30 | 1 | N26685 | FOAM, SELF - ADHS 1/8" x 3/4" |
| 31 | 1 | N26671 | GUARD, FRONT GEARBOX |
| 32 | 2 | N26686 | TAPE, REFLECT AMBER 1 - 1/2" x 3" |

Main Auger Assembly (Cont'd)



Main Auger Assembly (Cont'd)

| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|--|
| 1 | 1 | N37405 | TUBE, TUA |
| 2 | 1 | N37406 | AUGER, UPPER TUA SPLIT |
| 3 | 1 | N37407 | AUGER, LOWER TUA SPLIT |
| 4 | 1 | N37408 | DOOR, TUA INSPECTION |
| 5 | 1 | N37409 | SHAFT, TUA JOINER STUB AUGER |
| 6 | 1 | N37410 | MOUNT, TUA BEARING |
| 7 | 1 | N37411 | BEARING, HANGER TUA |
| 8 | 1 | N26768 | PLATE, TUA TUBE END |
| 9 | 1 | N26758 | GUARD, TUA BRG TUBE |
| 10 | 2 | N28012 | DECAL, GRESE 50 HRS |
| 11 | 1 | N37412 | SEAL, NEO SELF - ADHS SPNG 1/8" x 3/4" |
| 12 | 1 | N33297 | BEARING 1-1/4" - 4" BOLT FLANGE |
| 13 | 1 | N26757 | NUT, SPINDLE S1010 |
| 14 | 1 | N37413 | PIN, L 3/8" x 9" W/HOLE |
| 15 | 1 | N37414 | GREASE ZERK, 1/4" - 28 TPI 45 DEGREE |
| 16 | 1 | N37177 | CLIP, HAIRPIN, 0.094 x 2-1/4" |
| 17 | 8 | 4011 | BOLT, 1/2" x 1" UNC GR5 PLT |
| 18 | 2 | 4155 | WASHER, LOCK 1/2" |
| 19 | 17 | N37415 | NUT, LOCK 1/2" STOVER |
| 20 | 3 | 4038 | BOLT, CARRIAGE 1/2" x 1-1/4" GR5 |
| 21 | 4 | 4154 | BOLT, 1/2" x 3-1/2" UNC GR5 PLT |
| 22 | 1 | N37416 | BOLT, 3/8" x 9" UNC GR5 PLT |
| 23 | 1 | 4052 | NUT, LOCK 3/8" |
| 24 | 4 | N37417 | NUT, LOCK 1/4" STOVER |
| 25 | 1 | 4410 | PIN, COTTER 3/16" x 2" |
| 26 | 4 | 4013 | BOLT, 1/2" x 1-1/2" UNC GR5 PLT |
| 27 | 1 | N26672 | FLIGHT, 13" LT HP BOOSTER |

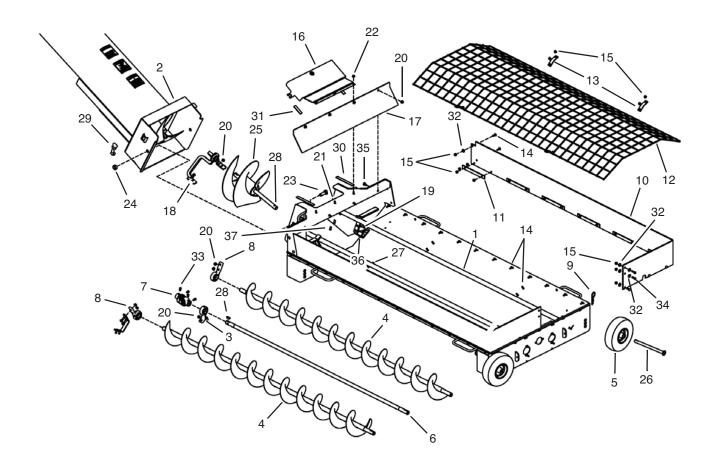


| # | QTY. | PART # | DESCRIPTION |
|---|------|---------|---------------------------------|
| 1 | 1 | N26769 | TUBE, 10' LOADER SWING |
| 2 | 1 | N26715 | FLIGHT, 14" SWING TUBE WELD |
| 3 | 2 | 7189-03 | KEY, 5/16" x 1-1/2" |
| 4 | 1 | N26730 | GEARBOX, HD-UPPER, 13" HP MDSA |
| 5 | 1 | N26731 | U - JOINT, 1 - 3/8" x 21 SPLINE |
| 6 | 6 | 4011 | BOLT, 1/2" x 1" GR 5 |
| 7 | 1 | 4313 | BOLT, 3/8" x 2 - 1/2" GR 5 |

Swing Auger

| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|------------------------------------|
| 8 | 2 | 4354 | SCREW, SET 3/8" x 3/8" |
| 9 | 2 | 4052 | NUT, LOCK 3/8" |
| 10 | 8 | 4155 | WASHER, LOCK 1/2" |
| 11 | 1 | N26696 | U-JOINT, 6R 1" x 1" W / KEYS, EKIT |
| 12 | 1 | N26705 | KEY, WOODRUFF 1/4", #810 |
| 13 | 1 | N26722 | SEAL, SPOUT COVER 13" HP FOAM |
| 14 | 1 | N26716 | SPROCKET, #50 x 18T x 1.375 BORE |
| 15 | 2 | N26790 | CLAMP, 7" HOSE |
| 16 | 1 | N26752 | BOLT, 3/8" x 3" GR 8 |
| 17 | 1 | N26717 | CHAIN, 50-2 X 18P C/W CONNECTOR |
| 18 | 8 | N26718 | BUSHING, 5/16TX 1 x .3 PLASTIC |
| 19 | 4 | N26719 | PLATE, SWING TUBE RETAINER |
| 20 | 8 | 4005 | BOLT, 3/8" x 1 - 1/4" GR 5 |
| 21 | 14 | 4065 | WASHER, LOCK 3/8" |
| 22 | 2 | N27917 | SWIVEL, SPOUT HP UPPER WELD |
| 23 | 1 | N27916 | SWIVEL, SPOUT HP LOWER WELD |
| 24 | 2 | N26729 | BUSHING, SWIVEL |
| 25 | 2 | 4068 | WASHER, FLAT 1/2" SAE |
| 26 | 6 | 4979 | NUT, FLANGE 3/8" |
| 27 | 2 | 4013 | BOLT, 1/2" x 1 - 1/4" GR 5 |
| 28 | 1 | N26728 | HOSE, DOWNSPOUT 18" ID x 12 |
| 29 | 2 | N26724 | CLAMP, 10" HOSE HS 164 |
| 30 | 2 | N26725 | LATCH, ASSEMBLY LARGE |
| 31 | 1 | N26791 | COVER, SPOUT ASSEMBY PLASTIC |
| 32 | 4 | 4340 | BOLT, 1/4" x 3/4" GR 5 |
| 33 | 10 | N26720 | BUSHING, PLASTIC WEAR / SLIDER |
| 34 | 1 | N22325 | LATCH, ASSEMBLY SMALL |
| 35 | 6 | N26721 | WASHER, SWING TUBE MOUNT LARGE |
| 36 | 6 | 4195 | BOLT, 3/8" x 1" GR 5 |
| 37 | 4 | 4231 | WASHER, LOCK 1/4" |
| 38 | 1 | N26732 | SEAL, SPOUT COVER |
| 39 | 2 | N26793 | SCREW, SQ. HD SET 3/8" x 1/2" |
| 40 | 1 | N26726 | HOUSING, BEARING ONLY 1 - 1/4" |
| 41 | 1 | N26727 | BEARING, 1 - 3/8" WD INSERT ONLY |
| 42 | 1 | N26723 | MOUNT, SPOUT STEADY BEARING |
| 43 | 6 | 4034 | BOLT, CARRIAGE 3/8" x 1" |
| 44 | 1 | N26682 | DECAL, MOVING PART HAZARD |
| 45 | 1 | N26795 | DECAL, KEEP SHIELDS IN PLACE |
| 46 | 1 | N26796 | DECAL, KEEP HANDS AND FEET |

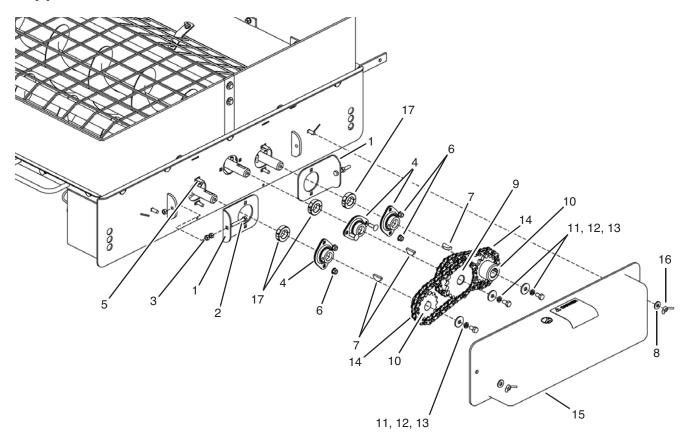
Hopper Main Assembly



Hopper Main Assembly

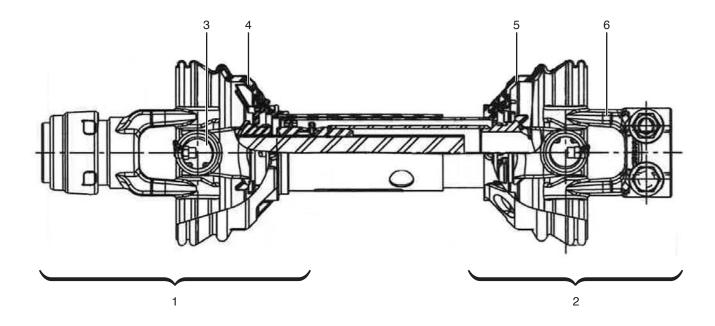
| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|----------------------------------|
| 1 | 1 | N26734 | HOPPER, BD LOADER WELD |
| 2 | 1 | N27912 | TUBE, BRANDT GBL10 SWING AUG |
| 3 | 1 | N31081 | HANGER, DRIVELINE ASSEMBLY |
| 4 | 2 | N26733 | FLIGHT, 13" HP HOPPER LONG |
| 5 | 2 | N26695 | WHEEL, 10" OD x 3/4" BORE |
| 6 | 1 | N26736 | DRIVESHAFT, HOPPER 13" HP LONG |
| 7 | 1 | N26696 | U-JOINT, 6R 1" x 1" W/KEYS, EKIT |
| 8 | 2 | N31082 | HANGER, FLIGHT ASSEMBLY |
| 9 | 2 | N26740 | CLIP, HAIR PIN .177" x 3 - 3/4" |
| 10 | 2 | N26735 | EXTENSION, RUBBER HOPPER LONG |
| 11 | 14 | N26698 | STRAP, HOLD DOWN |
| 12 | 1 | N26739 | GRATE, HOPPER SAFETY LONG |
| 13 | 4 | N26699 | RETAINER, HOPPER MESH |
| 14 | 40 | N26741 | BOLT, CARRIAGE 5/16" x 1" |
| 15 | 42 | N26742 | NUT, 5/16" FLANGE LOCK |
| 16 | 1 | N37801 | COVER,TRANSITION |
| 17 | 1 | N26701 | PLATE, BAFFLE |
| 18 | 1 | N31083 | MOUNT, TRANSITION ASSEMBLY |
| 19 | 4 | 1355 | BOLT, CARRIAGE 3/8" x 1 - 1/2" |
| 20 | 12 | 4979 | NUT, FLANGE 3/8" |
| 21 | 3 | 4258 | BOLT, CARRIAGE 5/16" x 3/4" |
| 22 | 3 | 4051 | NUT, LOCK 5/16" |
| 23 | 2 | N31085 | BOLT, SHOULDER 3/4" x 1" GR 5 |
| 24 | 2 | N31086 | LOCKNUT, 5/8" STOVER |
| 25 | 1 | N26703 | FLIGHT, TRANS -13HP, CHROMED |
| 26 | 2 | N26704 | PIN, SL HOPPER WHEEL |
| 27 | 2 | N26743 | BOLT, 3/8" x 1" SERRATED FLANGE |
| 28 | 1 | N26705 | KEY, WOODRUFF 1/4", #810 |
| 29 | 2 | N33298 | LATCH, RUBBER, BASELESS |
| 30 | 2 | N26707 | SEAL, FOAM 10, 13 HOPPER |
| 31 | 2 | N26761 | SEAL, HP HOPPER TRANS FOAM |
| 32 | 6 | 4369 | WASHER, FLAT 5/16" |
| 33 | 4 | N26799 | SCREW, SQ. HD SET 3/8" x 3/4" |
| 34 | 2 | 4203 | BOLT, 5/16" x 1" GR 5 |
| 35 | 4 | 4033 | BOLT, CARRIAGE 3/8" x 3/4" |
| 36 | 2 | N31084 | SUPPORT, FLIGHT HANGER |
| 37 | 2 | 4034 | BOLT, CARRIAGE 3/8" - x 1" |

Hopper Drive



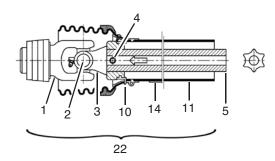
| # | QTY. | PART # | DESCRIPTION |
|----|------|--------|--------------------------------|
| 1 | 2 | N26709 | PLATE, CHAIN TENSION |
| 2 | 2 | N26744 | BOLT, 5/16" x 2" FULL THREAD |
| 3 | 6 | 4237 | NUT, STANDARD 5/16" |
| 4 | 3 | N26710 | BEARING, 1" - 2 BOLT FLANGETTE |
| 5 | 6 | N26741 | BOLT, 5/16" x 1" CARRIAGE |
| 6 | 3 | N26742 | NUT, 5/16" FLANGE LOCK |
| 7 | 3 | N26705 | KEY, WOODRUFF 1/4", #810 |
| 8 | 2 | 4369 | WASHER, FLAT 5/16" |
| 9 | 1 | N26711 | SPROCKET, 50 - 21T DOUBLE SNGL |
| 10 | 2 | N26712 | SPROCKET, 50 - 15T C/W KEY |
| 11 | 3 | N26794 | WASHER, 1-1/4" OD x 3/8" ID |
| 12 | 3 | 4065 | WASHER, LOCK 3/8" |
| 13 | 3 | N26746 | BOLT, 3/8" x 5/8" |
| 14 | 2 | N26713 | CHAIN, #50 x 35 P, CONN & OFF |
| 15 | 1 | N26714 | GUARD, HOPPER CHAIN |
| 16 | 2 | N26747 | NUT, WING 5/16" |
| 17 | 3 | N31087 | COLLAR, 1" ID SPLIT |

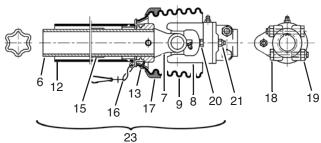
PTO Driveline (N153393)



| # | QTY. | PART # | DESCRIPTION |
|---|------|---------|-----------------------------|
| 1 | 1 | N153467 | JOINT & SHAFT HALF, GUARDED |
| 2 | 1 | N153468 | JOINT & TUBE HALF, GUARDED |
| 3 | 1 | N153469 | CROSS KIT, AW35E, REPAIR |
| 4 | 2 | N153470 | OUTER GUARD |
| 5 | 1 | N153471 | INNER GUARD |
| 6 | 1 | N153472 | YOKE, 35 |

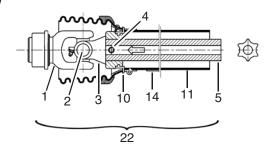
PTO Driveline (N29020)

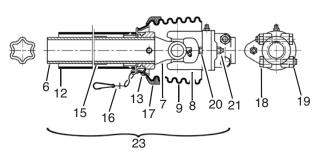




| 23 | | | | | |
|--------------|--|--------|-----------------------------------|--|--|
| # | QTY. | PART # | DESCRIPTION | | |
| 1 | 1 | N26772 | YOKE, 1 - 3/8" - 21 SPL. ASGE | | |
| 2 | 2 | N23479 | KIT, WALT PTO CROSS & BEARING | | |
| 3 | 1 | N23711 | YOKE, WALT INBOARD S4 | | |
| 4 | 2 | N23480 | PIN, WALT PTO SPRING 10 x 80 | | |
| 5 | 1 | N26773 | SHAFT, INNER PROFILE S4 | | |
| 6 | 1 | N26774 | SHAFT, OUTER PROFILE S5 | | |
| 7 | 1 | N23714 | YOKE, WALT INBOARD S5 | | |
| 8 | 1 | N26775 | CLUTCH, SHEARBOLT | | |
| 9 | 2 | N23486 | SHIELD, WALT CONE 6 RIB | | |
| 10 | 2 | N10348 | RING, PTO BEARING SC 25 PL - TYPE | | |
| 11 | 1 | N26776 | TUBE, GUARD OUTER | | |
| 12 | 1 | N26777 | TUBE, GUARD INNER | | |
| 13 | 3 | N11750 | SCREW, WALT PTO SHIELD | | |
| 14 | 1 | N10357 | DECAL, PTO PT SHAFT GUARD | | |
| 15 | 1 | N11761 | DECAL, WALT TUBE SHIELD - 383334 | | |
| 16 | 1 | N10356 | CHAIN, PTO SAFETY | | |
| 17 | 2 | N27146 | COLLAR, WALT PTO RFCMNT | | |
| 18 | 2 | N26778 | BOLT, M16 x 80 MM | | |
| 19 | 1 | 4449 | NUT, LOCK M16 | | |
| *20 | 1 | N23489 | BOLT, WALT M8 x 60 GR 8.8 | | |
| 21 | 1 | N23490 | NUT, WALT M8 | | |
| 22 | 1 | N26770 | HALF, COMP TRACTOR | | |
| 23 | 1 | N26771 | HALF, COMP IMPLEMENT | | |
| * THRU - BOL | * THRU - BOLT FIELD SERVICEABLE WITH 5/16" x 2 - 1/2" GRADE 5 BOLT | | | | |

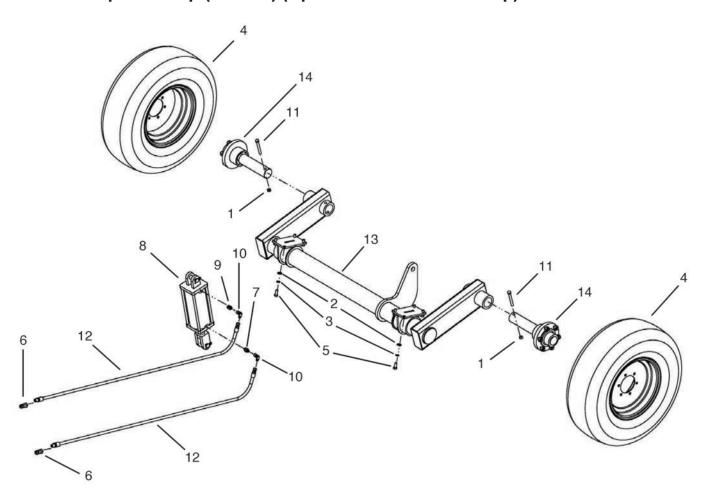
PTO Driveline (N29021)





| # | QTY. | PART # | DESCRIPTION | | |
|--------------|--|--------|-----------------------------------|--|--|
| 1 | 1 | N26781 | YOKE, 1 - 3/4" - 20 SPL. ASG | | |
| 2 | 2 | N23479 | KIT, WALT PTO CROSS & BEARING | | |
| 3 | 1 | N23711 | YOKE, WALT INBOARD S4 | | |
| 4 | 2 | N23480 | PIN, WALT PTO SPRING 10 x 80 | | |
| 5 | 1 | N26773 | SHAFT, INNER PROFILE S4 | | |
| 6 | 1 | N26774 | SHAFT, OUTER PROFILE S5 | | |
| 7 | 1 | N23714 | YOKE, WALT INBOARD S5 | | |
| 8 | 1 | N26775 | CLUTCH, SHEARBOLT | | |
| 9 | 2 | N23486 | SHIELD, WALT CONE 6 RIB | | |
| 10 | 2 | N10348 | RING, PTO BEARING SC 25 PL - TYPE | | |
| 11 | 1 | N26776 | TUBE, GUARD OUTER | | |
| 12 | 1 | N26777 | TUBE, GUARD INNER | | |
| 13 | 3 | N11750 | SCREW, WALT PTO SHIELD | | |
| 14 | 1 | N10357 | DECAL, PTO PT SHAFT GUARD | | |
| 15 | 1 | N11761 | DECAL, WALT TUBE SHIELD - 383334 | | |
| 16 | 1 | N10356 | CHAIN, PTO SAFETY | | |
| 17 | 2 | N27146 | COLLAR, WALT PTO RFCMNT | | |
| 18 | 2 | N26778 | BOLT, M16 x 80 MM | | |
| 19 | 1 | 4449 | NUT, LOCK M16 | | |
| *20 | 1 | N23489 | BOLT, WALT M8 x 60 GR 8.8 | | |
| 21 | 1 | N23490 | NUT, WALT M8 | | |
| 22 | 1 | N26779 | HALF, COMP TRACTOR | | |
| 23 | 1 | N26771 | HALF, COMP IMPLEMENT | | |
| * THRU - BOL | * THRU - BOLT FIELD SERVICEABLE WITH 5/16" x 2 - 1/2" GRADE 5 BOLT | | | | |

GBA Transport Group (N33659) (Optional - S/N 68-222 & Up)



| # | QTY. | PART # | DESCRIPTION | | |
|----|------|--------|------------------------------------|--|--|
| 1 | 2 | 4054 | NUT, LOCK 1/2" TOP | | |
| 2 | 8 | 4068 | WASHER, 1/2" SAE FLAT | | |
| 3 | 8 | 4155 | WASHER, LOCK 1/2" | | |
| 4 | 2 | N29267 | WHEEL, 245 / 70R 17.5 - 6000 LB | | |
| 5 | 8 | 4513 | BOLT, 1/2" x 1-1/4" GRADE 5 | | |
| 6 | 2 | N11825 | COUPLER, 1/2" MALE PIONEER | | |
| 7 | 1 | N17022 | ADAPTER, 6 MJIC - 8 MOR | | |
| 8 | 1 | N25166 | CYLINDER, HYD 4" x 8" - 3000 PSI | | |
| 9 | 1 | N25421 | RESTRICTOR, 6 MJIC - 8 MOR - 0.062 | | |
| 10 | 2 | N29078 | ELBOW, 90 DEG - 6 MJIC - 6 FJIC | | |
| 11 | 2 | 4357 | BOLT, 1/2' x 4" GRADE 5 | | |
| 12 | 2 | N33569 | HOSE, 3/8" x 300" - 6 FJIC - 8 MPI | | |
| 13 | 1 | N33649 | AXLE, GBA BOLT ON PIVOTING | | |
| 14 | 2 | N33714 | ASSEMBLY, GBA TRNS HUB & SPDL | | |

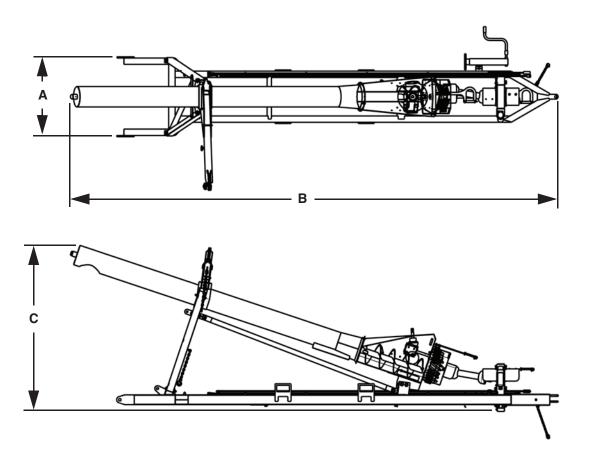
Specifications

| DESCRIPTION | TRUCK UNLOADING AUGER |
|---|---|
| Operating Capacity | 11,900 Bushels/Hour |
| Operating Weight w/GBL | 8,675 lbs. (3935 kg) |
| Minimum Tractor Horsepower | 120 HP |
| Maximum Rear-PTO RPM | 1000 RPM (1-3/8 or 1-3/4) |
| Hydraulic Flow (Tractor Should Have Flow Control) | 5 GPM (18.93 L/min) |
| Main Discharge Auger | 14 in. into 13 in. (35.6 cm into 33.0 cm) |
| Drive Coupler | Chain type |
| Hopper Height | 12 in. (30.5 cm) |
| Hopper Height w/Extensions | 19 in. (48.3 cm) |
| Hopper Width | 40 in. (101.6 cm) |
| Hopper Length | 82 in. (208.3 cm) |
| Hopper Augers | Twin - 7 in. (17.8 cm) |
| Weight (Kit Only) | 4,675 lbs. (2121 kg) |

Appendix

Dimensions

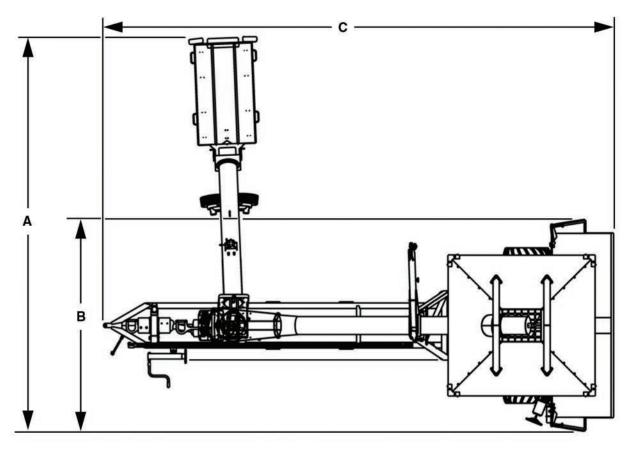
Truck Auger Kit



| DESCRIPTION | TRUCK UNLOADING AUGER | | |
|--------------------------|-----------------------|--|--|
| Mounting Frame Width (A) | 50.0 in. (127.0 cm) | | |
| Overall Length (B) | 304.85 in. (774.3 cm) | | |
| Overall Height (C) | 103.79 in. (263.6 cm) | | |

Dimensions (Cont'd)

Operation

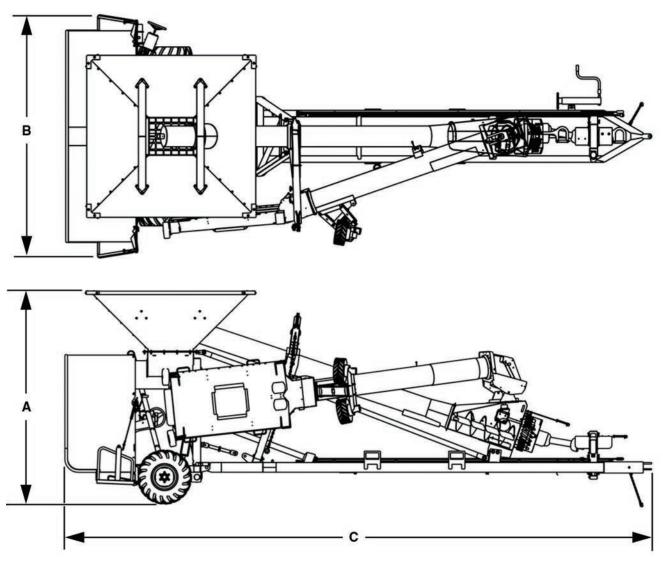


| DESCRIPTION | TRUCK UNLOADING AUGER | | |
|----------------------|-----------------------|--|--|
| Operating Width (A) | 279.5 in. (709.9 cm) | | |
| Bag Pan Width (B) | 149.6 in. (379.9 cm) | | |
| Operating Length (C) | 361.4 in. (917.9 cm) | | |

Appendix

Dimensions (Cont'd)

Transportation



| DESCRIPTION | TRUCK UNLOADING AUGER | | |
|----------------------|-----------------------|--|--|
| Transport Height (A) | 131.6 in. (334.3 cm) | | |
| Transport Width (B) | 149.6 in. (380.0 cm) | | |
| Transport Length (C) | 361.4 in. (918.0 cm) | | |

Torque Specifications

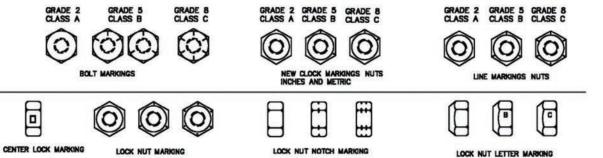
Inches Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications (Standard Hardware and Lock Nuts)

| SAE Gr. 2 | SAE Grade 5 | | SAE Grade 8 | | LOCK NUTS | | | |
|-----------------|------------------------------------|----------------------------|------------------------------------|----------------------------|------------------------------------|----------------------------|----------------------------|----------------------------|
| Nominal Size | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Grade W / Gr. 5 Bolt | Grade W / Gr. 8 Bolt |
| 1/4 | 55 inlb. | 72 inlb. | 86 inlb. | 112 inlb. | 121 inlb. | 157 inlb. | 61 inlb. | 86 inlb. |
| | (6.2 N•m) | (8.1 N•m) | (9.7 N•m) | (12.6 N•m) | (13.6 N•m) | (17.7 N•m) | (6.9 N•m) | (9.8 N•m) |
| 5/16 | 115 inlb. | 149 inlb. | 178 inlb. | 229 inlb. | 250 inlb. | 324 inlb. | 125 inlb. | 176 inlb. |
| | (13 N•m) | (17 N•m) | (20 N•m) | (26 N•m) | (28 N•m) | (37 N•m) | (14 N•m) | (20 N•m) |
| 3/8 | 17 ftlb. | 22 ftlb. | 26 ftlb. | 34 ftlb. | 37 ftlb. | 48 ftlb. | 19 ftlb. | 26 ftlb. |
| | (23 N•m) | (30 N•m) | (35 N•m) | (46 N•m) | (50 N•m) | (65 N•m) | (26 N•m) | (35 N•m) |
| 7/16 | 27 ftlb. | 35 ftlb. | 42 ftlb. | 54 ftlb. | 59 ftlb. | 77 ftlb. | 30 ftlb. | 42 ftlb. |
| | (37 N•m) | (47 N•m) | (57 N•m) | (73 N•m) | (80 N•m) | (104 N•m) | (41 N•m) | (57 N•m) |
| 1/2 | 42 ftlb. | 54 ftlb. | 64 ftlb. | 83 ftlb. | 91 ftlb. | 117 ftlb. | 45 ftlb. | 64 ftlb. |
| | (57 N•m) | (73 N•m) | (87 N•m) | (113 N•m) | (123 N•m) | (159 N•m) | (61 N•m) | (88 N•m) |
| 9/16 | 60 ftlb. | 77 ftlb. | 92 ftlb. | 120 ftlb. | 130 ftlb. | 169 ftlb. | 65 ftlb. | 92 ftlb. |
| | (81 N•m) | (104 N•m) | (125 N•m) | (163 N•m) | (176) N•m | (229 N•m) | (88 N•m) | (125 N•m) |
| 5/8 | 83 ftlb. | 107 ftlb. | 128 ftlb. | 165 ftlb. | 180 ftlb. | 233 ftlb. | 90 ftlb. | 127 ftlb. |
| | (112 N•m) | (145 N•m) | (174 N•m) | (224 N•m) | (244) N•m | (316 N•m) | (122 N•m) | (172 N•m) |
| 3/4 | 146 ftlb. | 189 ftlb. | 226 ftlb. | 293 ftlb. | 319 ftlb. | 413 ftlb. | 160 ftlb. | 226 ftlb. |
| | (198 N•m) | (256 N•m) | (306 N•m) | (397 N•m) | (432 N•m) | (560 N•m) | (217 N•m) | (306 N•m) |
| 7/8 | 142 ftlb. | 183 ftlb. | 365 ftlb. | 473 ftlb. | 515 ftlb. | 667 ftlb. | 258 ftlb. | 364 ftlb. |
| | (193 N•m) | (248 N•m) | (495 N•m) | (641 N•m) | (698 N•m) | (904 N•m) | (350 N•m) | (494 N•m) |
| 1 | 213 ftlb. | 275 ftlb. | 547 ftlb. | 708 ftlb. | 773 ftlb. | 1000 ftlb. | 386 ftlb. | 545 ftlb. |
| | (289 N•m) | (373 N•m) | (742 N•m) | (960 N•m) | (1048 N•m) | (1356 N•m) | (523 N•m) | (739 N•m) |



Appendix

Torque Specifications (Cont'd)

Metric Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications

(Metric Hardware and Lock Nuts)

| | Class 5,8 | | Class | s 8,8 | Class | Lock nuts | | |
|-----------------|---------------------------------|----------------------------|---------------------------------|----------------------------|------------------------------------|----------------------------|--------------------------------|--|
| Nominal Size | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Class 8 W / CL. 8,8 Bolt | |
| M4 | 1.7 N•m | 2.2 N•m | 2.6 N•m | 3.4 N•m | 3.7 N•m | 4.8 N•m | 1.8 N•m | |
| | (15 inlb.) | (19 inlb.) | (23 inlb.) | (30 inlb.) | (33 inlb.) | (42 inlb.) | (16 inlb.) | |
| M6 | 5.8 N•m | 7.6 N•m | 8.9 N•m | 12 N•m | 13 N•m | 17 N•m | 6.3 N·m | |
| | (51 inlb.) | (67 inlb.) | (79 inlb.) | (102 inlb.) | (115 inlb.) | (150 inlb.) | (56 inlb.) | |
| M8 | 14 N•m | 18 N•m | 22 N•m | 28 N•m | 31 N•m | 40 N•m | 15 N•m | |
| | (124 inlb.) | (159 inlb.) | (195 inlb.) | (248 inlb.) | (274 inlb.) | (354 inlb.) | (133 inlb.) | |
| M10 | 28 N•m | 36 N•m | 43 N•m | 56 N•m | 61 N•m | 79 N•m | 30 N•m | |
| | (21 ftlb.) | (27 ftlb.) | (32 ftlb.) | (41 ftlb.) | (45 ftlb.) | (58 ftlb.) | (22 ftlb.) | |
| M12 | 49 N•m | 63 N•m | 75 N•m | 97 N•m | 107 N•m | 138 N•m | 53 N•m | |
| | (36 ftlb.) | (46 ftlb.) | (55 ftlb.) | (72 ftlb.) | (79 ftlb.) | (102 ftlb.) | (39 ftlb.) | |
| M16 | 121 N•m | 158 N•m | 186 N•m | 240 N•m | 266 N•m | 344 N•m | 131N•m | |
| | (89 ftlb.) | (117 ftlb.) | (137 ftlb.) | (177 ftlb.) | (196 ftlb.) | (254 ftlb.) | (97 ftlb.) | |
| M20 | 237 N•m | 307 N·m | 375 N•m | 485 N•m | 519 N•m | 671 N•m | 265 N•m | |
| | (175 ftlb.) | (226 ftlb.) | (277 ftlb.) | (358 ftlb.) | (383 ftlb.) | (495 ftlb.) | (195 ftlb.) | |
| M24 | 411 N•m | 531 N·m | 648 N•m | 839 N•m | 897 N•m | 1160 N•m | 458 N•m | |
| | (303 ftlb.) | (392 ftlb.) | (478 ftlb.) | (619 ftlb.) | (662 ftlb.) | (855 ftlb.) | (338 ftlb.) | |

GRADE 2 GRADE 5 GRADE 8 CLASS A CLASS B CLASS C

MANUFACTURER'S IDENTIFICATION

METRIC BOLT MARKING

METRIC NUT MARKING

PROPERTY CLASS

METRIC NUT MARKING

NOTE: CLASS 2 IN METRIC IS 5.8



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