

50 SERIES GRAIN CARTS

OPERATOR & PARTS MANUAL

M0176

Rev. 2/12

This manual is applicable to: 50 Series Grain Carts
Model 650 Serial Number: 505773 And On
Model 850 Serial Number: 505342 And On
Model 1050 Serial Number: 505000 And On

Record the model number and serial number of your Grain Cart along with date purchased below:

Model Number _____

Serial Number _____

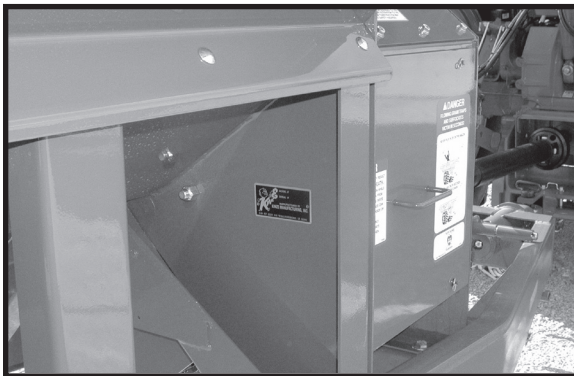
Date Purchased _____

SERIAL NUMBER

The serial number provides important information about your Grain Cart and may be required to obtain the correct replacement part.

The serial number plate is located near the right hand front corner of the Grain Cart frame. It is suggested that your serial number be recorded in the space provided above. Always provide the model number and serial number when ordering parts from your Kinze Dealer or anytime correspondence is made with Kinze Manufacturing, Inc.

D052604116



Model 650

D040303100



Model 850/1050

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TO THE DEALER

Predelivery service includes assembly, lubrication, adjustment and test. This service ensures that the wagon will be delivered to the customer ready for field use.

PREDELIVERY CHECKLIST

After the wagon has been completely assembled, use the following checklist and inspect the wagon. Check off each item as it is found satisfactory or after proper adjustment is made.

- Wheel nuts are torqued to 350 ft. lbs.
- Axles are adjusted from shipping position to desired operating position. (If Applicable)
- Tires are inflated to specified PSI air pressure. (If Applicable)
- All grease fittings have been lubricated and gearbox oil level checked.
- Check to be sure all safety decals and SMV sign are correctly located and legible. Replace if damaged.
- Check to be sure SMV decal is in place and shipping cover removed.
- Check to be sure safety/warning lights are working properly.
- Test run the augers. Do not operate tractor PTO above 750 PTO RPM with the augers empty.
- Check driveline. See "Driveline Inspection" in Operation section.
- V-belts are aligned and properly tensioned.
- Check track alignment. See "Track Alignment" in Maintenance section. (If Applicable)
- Check to be sure safety screens over horizontal auger are in place and properly secured.
- Auxiliary safety chains are properly installed and hardware is torqued to specification.
- Paint all parts scratched in shipment.
- Reposition shipping tie down plate. (850 Only - If Applicable)

This wagon has been thoroughly checked and to the best of my knowledge is ready for delivery to the customer.

(Signature Of Set-Up Person/Dealer Name/Date)

OWNER REGISTER

Name _____ Delivery Date _____

Street Address _____ Model No. _____ Serial No. _____

City, State/Province _____ Dealer Name _____

ZIP/Postal Code _____ Dealer No. _____

DELIVERY CHECKLIST

At the time the wagon is delivered, the following checklist is to be used as a reminder of very important information which should be conveyed directly to the customer. Check off each item as it is fully explained to the customer.

- Advise the customer that the durability and longevity of this or any other machine is dependent on regular maintenance as directed in the Operator & Parts Manual.
- Tell the customer about all safety precautions that must be observed while using this wagon.
- Advise the customer of the specified tractor requirement for use with this wagon.
- Check axle spacing with customer to be sure axle is adjusted from shipping position to desired operating width. (If Applicable)
- Along with the customer check to be sure all the reflective decals and the SMV sign are clearly visible with the auger wagon attached to the tractor. Check to be sure the safety/warning lights are in working condition. Tell the customer to check and follow federal, state/provincial and local regulations before towing on a road or highway.
- Along with the customer check to be sure the hitch height when attached to the tractor is sufficient to prevent severe bends in PTO U-joint angles. Check to be sure PTO is correct length for making turns and operating on uneven terrain.
- Give the Operator & Parts Manual to the customer and explain all operating adjustments.
- Complete Warranty And Delivery Report form.

To the best of my knowledge this machine has been delivered ready for field use and customer has been fully informed as to proper care and operation.

(Signature Of Delivery Person/Dealer Name/Date)

AFTER DELIVERY CHECKLIST

The following is a list of items we suggest to check during the first season of use of the equipment.

- Check with the customer as to the performance of the wagon.
- Review with the customer the importance of proper maintenance and adherence with all safety precautions.
- Check for parts that may need to be adjusted or replaced.
- Retorque all wheel nuts to 350 ft. lbs.
- Check to be sure all safety shields and screens are in place.
- Check to be sure all safety decals, reflective decals and the SMV sign are correctly located and that decals are legible. Replace if damaged or missing.
- Check to be sure safety/warning lights are properly installed and working properly.
- Check to be sure recommended lubrication procedures are being followed.

(Signature Of Follow-Up Person/Dealer Name/Date)

RETURN THIS COMPLETED FORM TO KINZE IMMEDIATELY, along with Warranty And Delivery Report. Retain photocopy of this form at dealership for After Delivery Check.

Tear Along Perforation

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PARTS LIST INDEX P1

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KINZE Manufacturing, Inc. would like to thank you for your patronage. We appreciate your confidence in Kinze equipment. Your Kinze 50 Series Harvest Commander Grain Cart has been carefully designed to provide dependable operation in return for your investment.

This manual has been prepared to aid you in the operation and maintenance of the Grain Cart. It should be considered a permanent part of the machine and remain with the machine when you sell it.

It is the responsibility of the user to read and understand the Operator & Parts Manual in regards to safety, operation, lubrication and maintenance prior to operation of this equipment. It is the user's responsibility to inspect and service the machine routinely as directed in the Operator & Parts Manual. We have attempted to cover all areas of safety, operation, lubrication and maintenance; however, there may be times when special care must be taken to fit your conditions.

Throughout this manual the symbol  and the words **DANGER**, **WARNING**, and **CAUTION** are used to call attention to safety information that if not followed, will or could result in death or injury. **NOTICE** and **NOTE** are used to call your attention to important information. The definition of each of these terms follows:



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



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



CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE is used to address practices not related to personal injury.

NOTE: Special point of information or machine adjustment instructions.



WARNING

Improperly operating or working on this equipment could result in death or serious injury. Read and follow all instructions in operator and parts manual before operating or working on this equipment.



WARNING: Some photos in this manual may show safety covers or shields removed for visual clarity. **NEVER OPERATE** the machine without all safety covers and shields in place.

NOTE: Some photos in this manual may have been taken of prototype machines. Production machines may vary in appearance.

NOTE: Some photos and illustrations in this manual may show optional attachments installed. Contact your Kinze Dealer for purchase of optional attachments.



DANGER: Because of load capacities on bridges and roads and because the machine is not equipped with brakes, the machine is not intended for hauling loads on public roadways. It is the operator's responsibility to be aware of and follow federal, state/provincial and local regulations in this regard.

The Kinze Limited Warranty for your new machine is stated on retail purchaser's copy of the Warranty And Delivery Receipt. Additional copies of the Limited Warranty can be obtained through your Kinze Dealer.

Warranty, within the warranty period, is provided as part of Kinze's support program for registered Kinze products which have been operated and maintained as described in this manual. Evidence of equipment abuse or modification beyond original factory specifications will void the warranty. Normal maintenance, service and repair is not covered by Kinze warranty.

To register your Kinze product for warranty, a Warranty And Delivery Receipt form must be completed by the Kinze Dealer and signed by the retail purchaser, with copies to the Dealer, to the retail purchaser. Registration must be completed and submitted to Kinze Manufacturing, Inc. within 5 business days of delivery of the Kinze product to the retail purchaser. Kinze Manufacturing, Inc. reserves the right to refuse warranty on serial numbered products which have not been properly registered.

If service or replacement of failed parts which are covered by the Limited Warranty are required, it is the user's responsibility to deliver the machine along with the retail purchaser's copy of the Warranty And Delivery Receipt to the Kinze Dealer for service. Kinze warranty does not include cost of travel time, mileage, hauling or labor. Any prior arrangement made between the Dealer and the retail purchaser in which the Dealer agrees to absorb all or part of this expense should be considered a courtesy to the retail purchaser.

Kinze warranty does not include cost of travel time, mileage, hauling or labor.

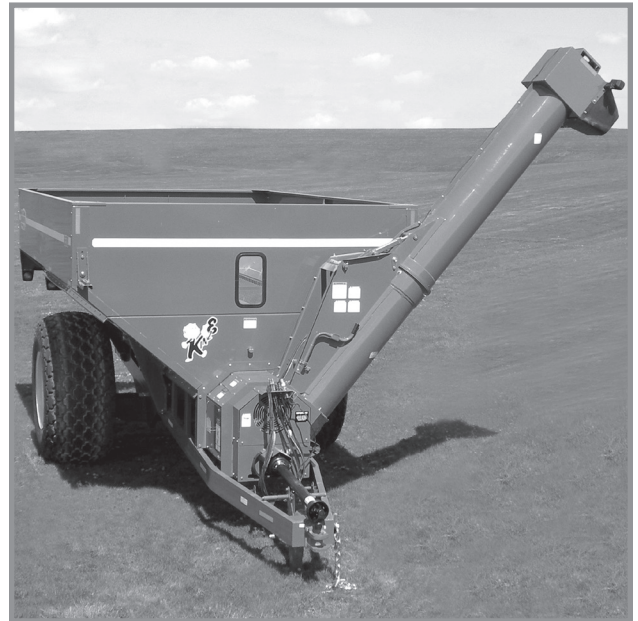
This manual has been written to cover Kinze 50 Series Harvest Commander Grain Carts.

The information used in this manual was current at the time of printing. However, due to Kinze's ongoing product improvement, production changes may cause your machine to appear slightly different in detail. Kinze Manufacturing, Inc. reserves the right to change specifications or design without notice and without incurring obligation to install the same on machines previously manufactured.

Right hand (R.H.) and left hand (L.H.), as used throughout this manual, are determined by facing in the direction the machine will travel when in use, unless otherwise stated.



Model 650 Wagon Shown With Vertical Auger In Transport/Field Folded Position



Model 650 Wagon Shown With Vertical Auger In Unloading Position



Model 850 Sof-Tred Wagon Shown With Vertical Auger In Unloading Position



Model 1050 Sof-Tred Wagon Shown With Vertical Auger In Unloading Position



Model 1050 Sof-Tred Wagon Shown With Vertical Auger In Storage/Transport Folded Position



Model 1050 Sof-Tred Wagon Shown With Vertical Auger In Field Folded Position



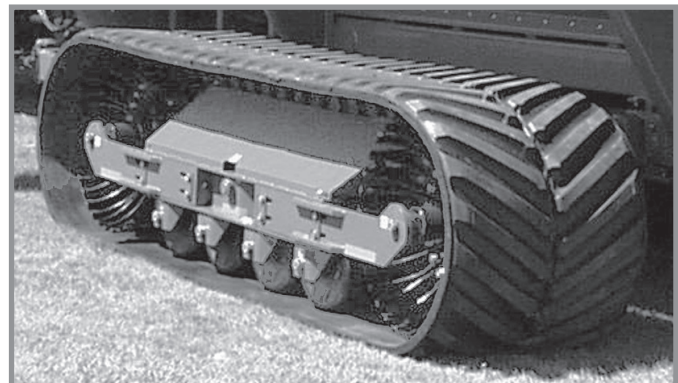
Wheel Option - Model 650 And 850 Wagons



Row Crop Option - Model 1050 Wagons



Sof-Tred Option - Model 850 And 1050 Wagons (Model 1050 Shown)



Sof-Trak Option - Model 1050 Wagons

MODEL 650 WHEEL GRAIN CART SPECIFICATIONS - See Pages 3-2 And 3-3

MODEL 850 WHEEL GRAIN CART SPECIFICATIONS - See Pages 3-4 And 3-5

MODEL 850 SOF-TRED GRAIN CART SPECIFICATIONS - See Pages 3-6 And 3-7

MODEL 1050 ROW CROP GRAIN CART SPECIFICATIONS - See Pages 3-8 And 3-9

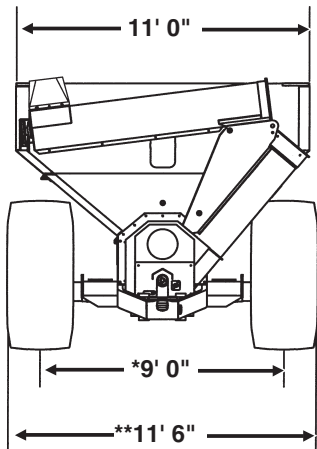
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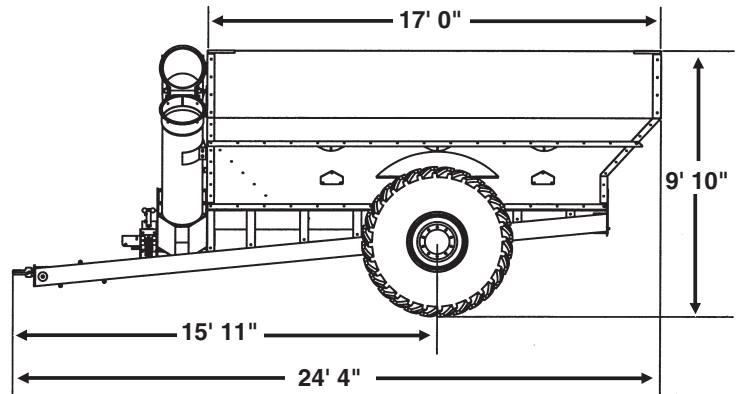
OPTIONS

- Hydraulic Flow Gate Package - Dealer-Installed (All Models)
- Electronic Scale Package - Factory Or Field-Installed
(Models 650 And 850 Wheel, Model 1050 Row Crop, Models 850 And 1050 Sof-Tred And Model 1050 Sof-Trak Wagons)
- Adjustable Discharge Spout (Models 850 And 1050)
- Dot Matrix Roll Printer - For Use With Electronic Scale Option
- Memory Downloader Kit - For Use With Electronic Scale Option
- Data Down Loader Kit - For Use With Electronic Scale Option

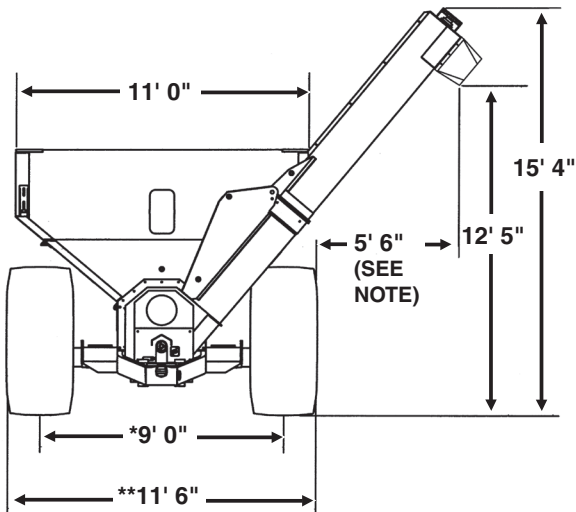
Model 650 Wheel Grain Cart (108" Axle Setting With 30.5" x 32" Tires)



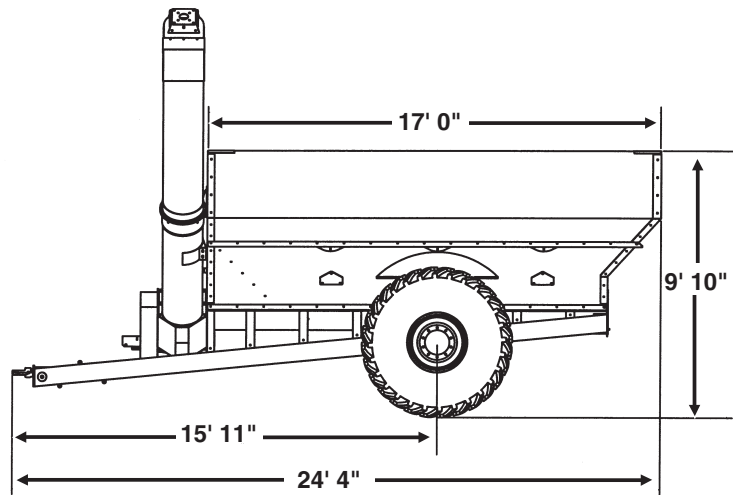
Transport/Field Folded Auger Position



Transport/Field Folded Auger Position



Unloading Auger Position



Unloading Auger Position

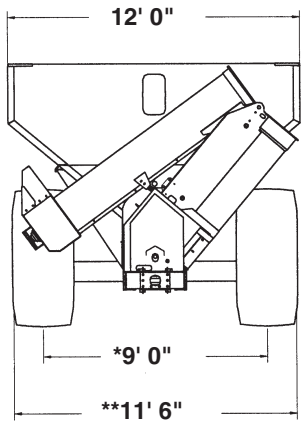
* 120" Axle Setting - 10' 0"
108" Axle Setting - 9' 0" (Shown)

** 120" Axle Setting - 12' 6" With 30.5" x 32" Tires - 12' 0" With 24.5" x 32" Tires
108" Axle Setting - 11' 6" With 30.5" x 32" Tires (Shown) - 11' 0" With 24.5" x 32" Tires

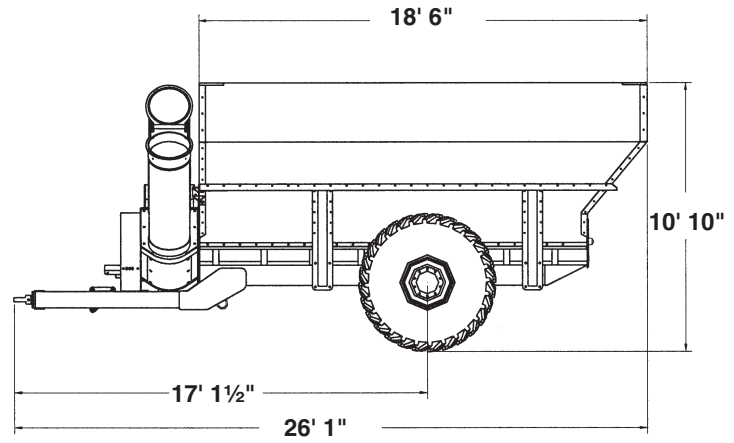
NOTE: 5' 6" dimension is with 24.5" x 32" tires at 108" setting. Dimensions will vary with tire sizes and axle setting.

| | |
|---|---|
| Total Capacity* | 700 Bushels |
| Bushels/Minute - Average* | 300 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 16" - Full Tilt/Full Pitch L.H. |
| Flighting - 16" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 18" O.D. - 10 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | 14" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | 14" - 2/3 Pitch L.H. |
| Flighting - 14" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | Cast Iron - 90°/5 Pitch Cut Gears - 2:1 Ratio |
| Drive Belt | (1) 4-Band, Multi-Strand V-Belt |
| Drive Pulleys | 4 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | 120 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 5/16" Shear Bolt |
| PTO Yoke | 1 3/8"-21 Spline Or 1 3/4"-20 Spline |
| Tires | (2) 24.5" x 32" 16 Ply R-3 Or 30.5" x 32" 16 Ply R-1 Or R-3 |
| Rims | (2) 21" x 32" Or (2) 27" x 32" |
| Spindle/Hub | (2) 3 3/4" (High Strength Alloy)/10 Bolt (Cast Ductile Iron) (2) 3 3/4" (High Strength Alloy)/10 Bolt |
| Hitch Clevis | Swivel Single Clevis Or Swivel Double Clevis |
| Jack | Single-Speed, 10,000 Lb. Rated |
| Weight - Empty | (With 24.5" x 32" Tires) 8533 Lbs. |
| Hitch Weight - Empty | 2200 Lbs. |
| Hitch Weight - Loaded | 3400 Lbs. |
| Transport Safety Chain | (1) 5/8" - 60,000 Lb. Rated |
| *Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM. | |

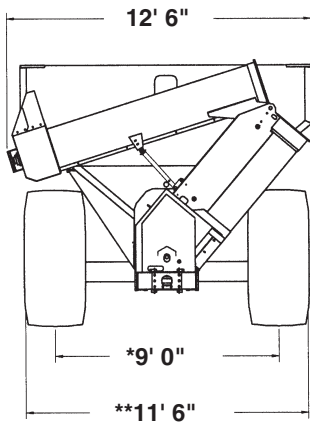
Model 850 Wheel Grain Cart (108" Axle Setting)



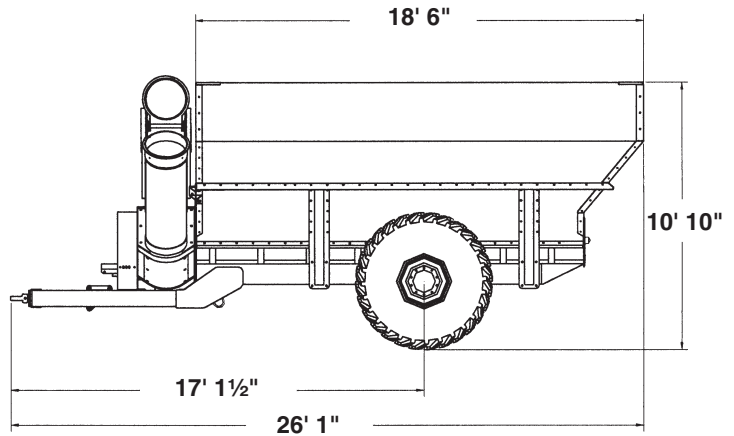
Storage/Transport Auger Position



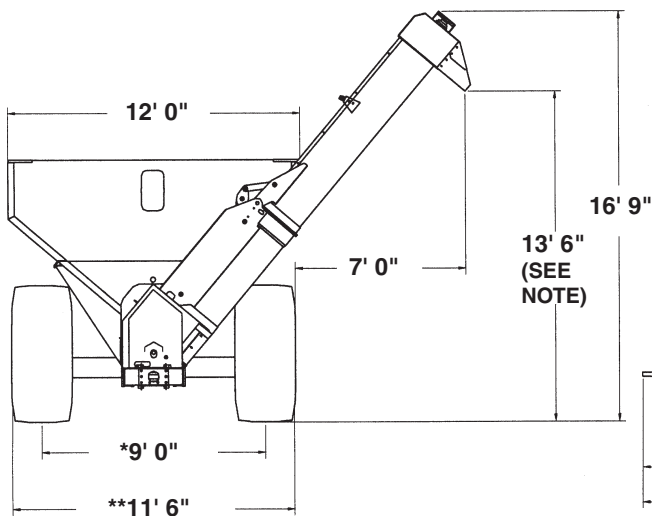
Storage/Transport Auger Position



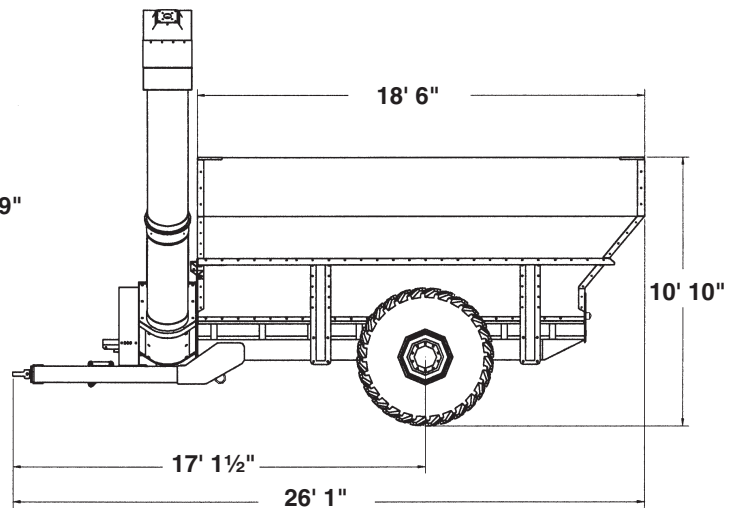
Field Folded Auger Position



Field Folded Auger Position



Unloading Auger Position



Unloading Auger Position

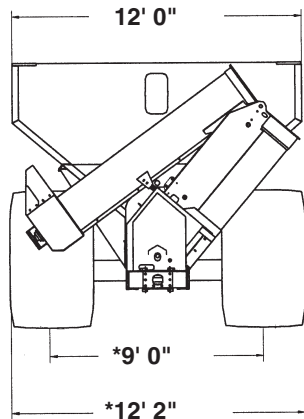
* 120" Axle Setting - 10' 0"

** 120" Axle Setting - 12' 6"

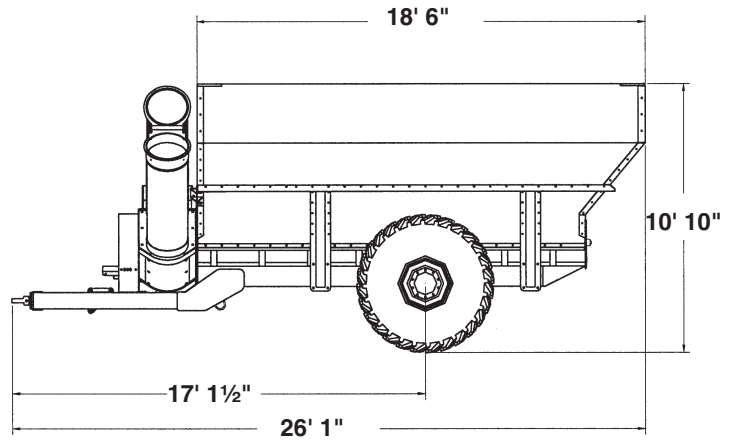
NOTE: Adjustable Discharge Spout provides 25° up and 20° down movement of chute from neutral position.

| | |
|---|--|
| Total Capacity* | 850 Bushels |
| Bushels/Minute - Average* | 375 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 18" - Full Tilt/Full Pitch L.H. |
| Flighting - 18" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 20" O.D. - 7 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | 15" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | 15" - 2/3 Pitch L.H. |
| Flighting - 15" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | Cast Iron - 90°/2" - 4 Pitch Cut Gears - 2:1 Ratio |
| Drive Belts | (2) 3-Band, Multi-Strand V-Belts |
| Drive Pulleys | 6 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | 150 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 12 mm Shear Bolt |
| PTO Yoke | 1 3/8"-21 Spline Or 1 3/4"-20 Spline |
| Tires | (2) 30.5" x 32" 16 Ply R-1 Or R-3 |
| Rims | (2) 27" x 32" |
| Spindle/Hub | (2) 3 3/4" (High Strength Alloy)/HD 10 Bolt (Cast Ductile Iron); (2) 3 3/4" (High Strength Alloy)/10 Bolt |
| Hitch Clevis | Bolt-On Single Clevis, Bolt-On Double Clevis Or Swivel Single Clevis |
| Jack | Single-Speed, 10,000 Lb. Rated |
| Weight - Empty | 13,102 Lbs. |
| Hitch Weight - Empty | 3450 Lbs. |
| Hitch Weight - Loaded | 5200 Lbs. |
| Transport Safety Chains | (2) 1/2" - 40,500 Lb. Rated |
| *Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM. | |

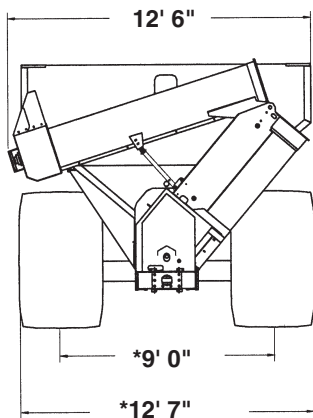
Model 850 Sof-Tred Grain Cart



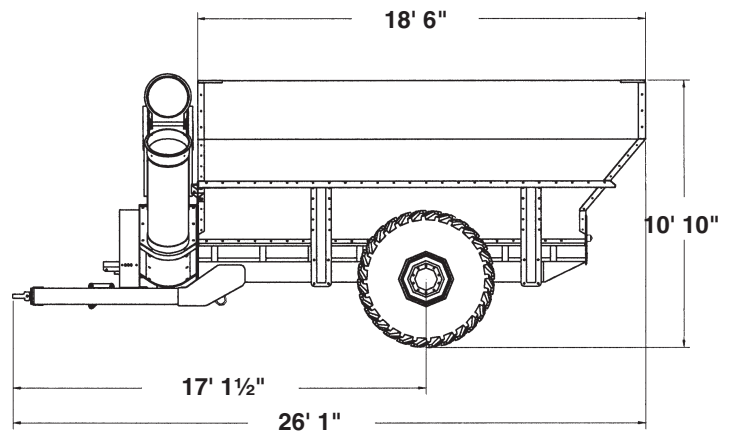
Storage Shipping/Transport Auger Position



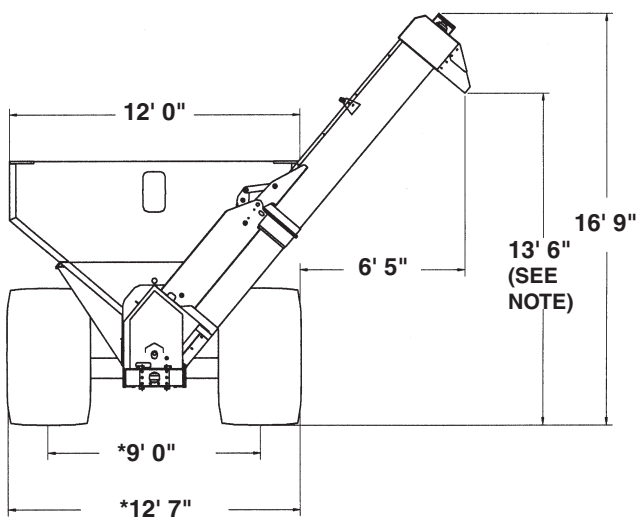
Storage/Transport Auger Position



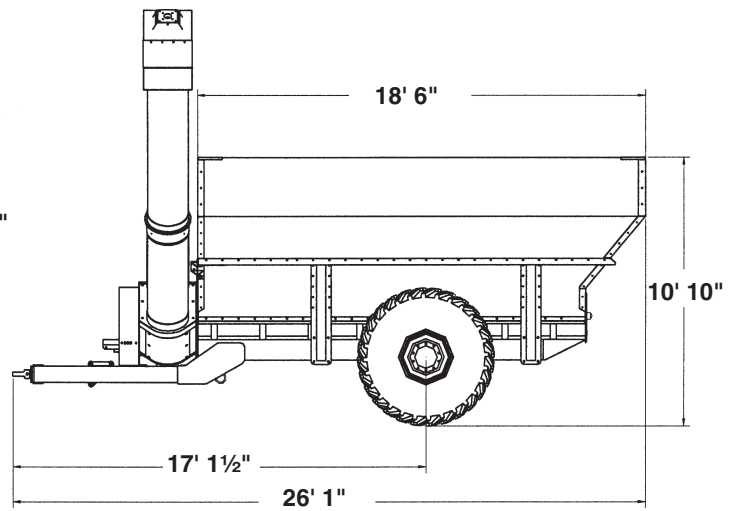
Field Folded Auger Position



Field Folded Auger Position



Unloading Auger Position



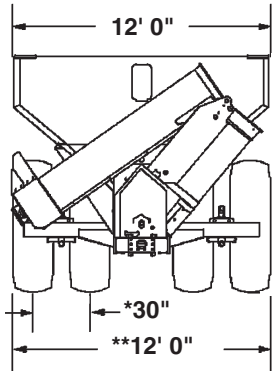
Unloading Auger Position

* Wide Axle Setting Not Recommended

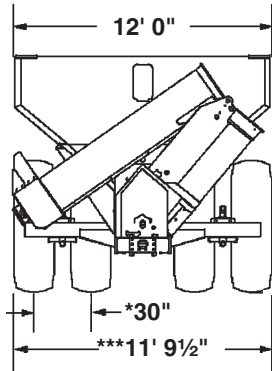
NOTE: Adjustable Discharge Spout provides 25° up and 20° down movement of chute from neutral position.

| | |
|---|--|
| Total Capacity* | 850 Bushels |
| Bushels/Minute - Average* | 375 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 18" - Full Tilt/Full Pitch L.H. |
| Flighting - 18" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 20" O.D. - 7 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | 15" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | 15" - 2/3 Pitch L.H. |
| Flighting - 15" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | Cast Iron - 90°/2" - 4 Pitch Cut Gears - 2:1 Ratio |
| Drive Belts | (2) 3-Band, Multi-Strand V-Belts |
| Drive Pulleys | 6 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | 150 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 12 mm Shear Bolt |
| PTO Yoke | 1 3/8"-21 Spline Or 1 3/4"-20 Spline |
| Tires | (2) 66/43.00 - 25 16 Ply R-1 |
| Rims | (2) 36" x 25" |
| Spindle/Hub | (2) 3 3/4" (High Strength Alloy)/HD 10 Bolt (Cast Ductile Iron); (2) 3 3/4" (High Strength Alloy)/10 Bolt |
| Hitch Clevis | Bolt-On Single Clevis, Bolt-On Double Clevis Or Swivel Single Clevis |
| Jack | Single-Speed, 10,000 Lb. Rated |
| Weight - Empty | 14,006 Lbs. |
| Hitch Weight - Empty | 3450 Lbs. |
| Hitch Weight - Loaded | 5200 Lbs. |
| Transport Safety Chains | (2) 1/2" - 40,500 Lb. Rated |
| *Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM. | |

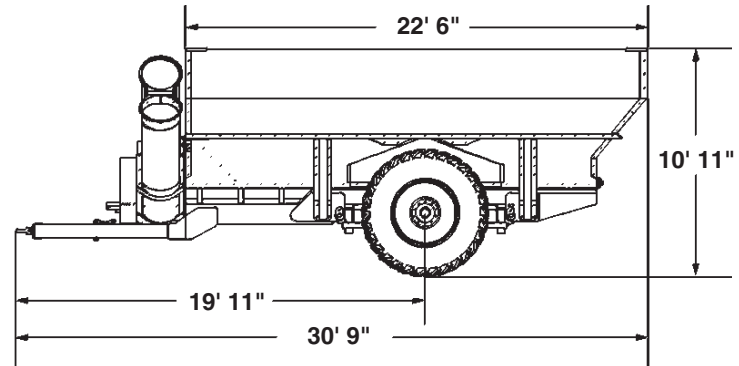
Model 1050 Row Crop Grain Cart (30" Row Spacing)



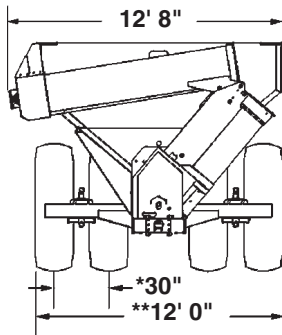
520/85R38 Tires
Storage/Transport
Auger Position



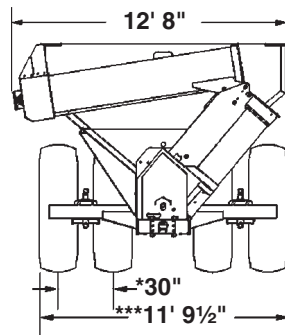
480/80R42 Tires
Storage/Transport
Auger Position



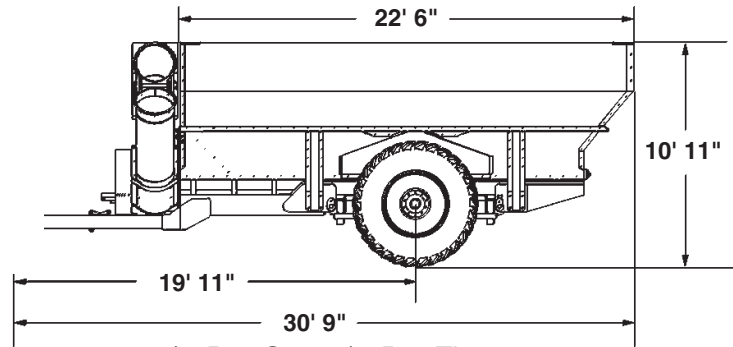
520/85R38 Or 480/80R42 Tires
Storage/Transport Auger Position



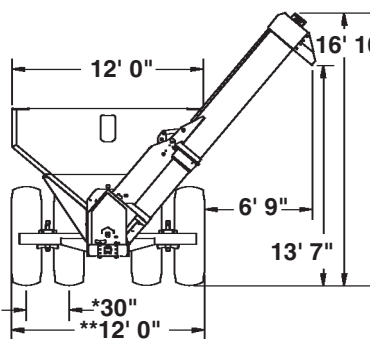
520/85R38 Tires
Field Folded
Auger Position



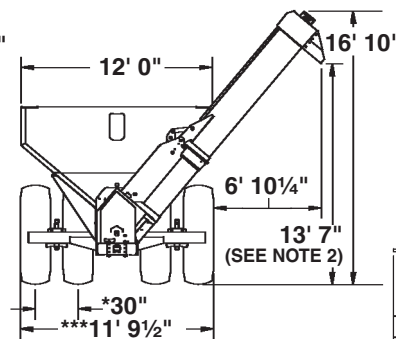
480/80R42 Tires
Field Folded
Auger Position



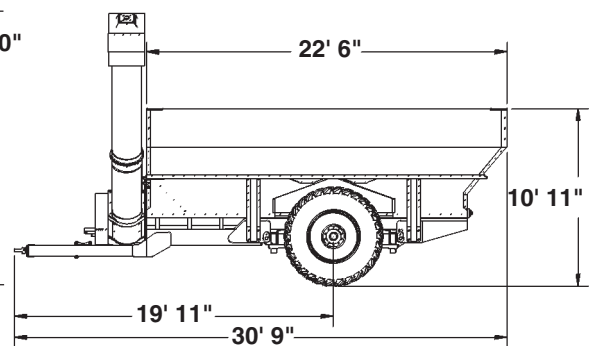
520/85R38 Or 480/80R42 Tires
Field Folded Auger Position



520/85R38 Tires
Unloading Auger Position



480/80R42 Tires
Unloading Auger Position



520/85R38 Or 480/80R42 Tires
Unloading Auger Position

* Rims Reverse To Provide Wide Row Spacing

** 40" Axle Setting - 15' 2"

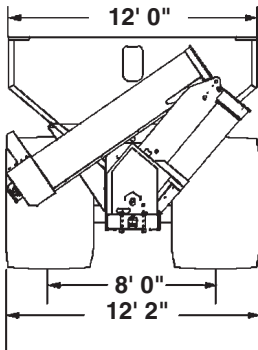
*** 40" Axle Setting - 14' 11 1/2"

NOTE 1: Axle setting can be set infinitely from 30" to 40" rows.

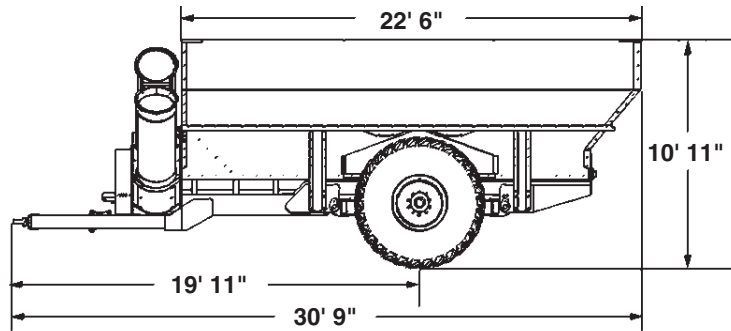
NOTE 2: Adjustable Discharge Spout provides 25° up and 20° down movement of chute from neutral position.

| | |
|---|--|
| Total Capacity* | 1050 Bushels |
| Bushels/Minute - Average* | 500-600 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 20" - Full Tilt/Full Pitch L.H. |
| Flighting - 20" - Thickness | 7/16" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 22" O.D. - 7 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - Full Pitch L.H. Serial No. 505142 And On - 17" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - 2/3 Pitch L.H. Serial No. 505142 And On - 17" - 2/3 Pitch L.H. |
| Flighting - 16"/17" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | HD Cast Iron - 90°/3.5" - 4 PitchCut Gears - 2:1 Ratio |
| Drive Belts | (2) 4-Band, Multi-Strand V-Belts |
| Drive Pulleys | 8 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | Prior To Serial No. 505142 - 220 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 12 mm Shear Bolt Serial No. 505142 And On - 220 HP Rated With 4-Lobe Overrunning And Torque Limiting Clutches |
| PTO Yoke | Prior To Serial No. 505142 - 1 3/8"-21 Spline Or 1 3/4"-20 Spline Serial No. 505142 And On - 1 3/4"-20 Spline Only |
| Tires | (4) 520/85R38 R-1 (20.8" x 38") Or (4) 480/80R42 R-1 (18.4" x 42") |
| Rims | WH18A x 38" With 20.8" x 38" Tires Or WH16A x 42" With 18.4" x 42" Tires |
| Spindle/Hub | (4) 4 1/2"/10 Bolt (Cast Ductile Iron) |
| Hitch Clevis | Bolt-On Single Clevis, Bolt-On Double Clevis Or Swivel Single Clevis |
| Jack | 2-Speed, 10,000 Lb. Rated |
| Weight - Empty | 19,741 Lbs. (38" Tires) Or 19,678 Lbs. (42" Tires) |
| Hitch Weight - Empty | 3420 Lbs. |
| Hitch Weight - Loaded | 5140 Lbs. |
| Transport Safety Chains | (2) 1/2" - 40,500 Lb. Rated |
| *Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM. | |

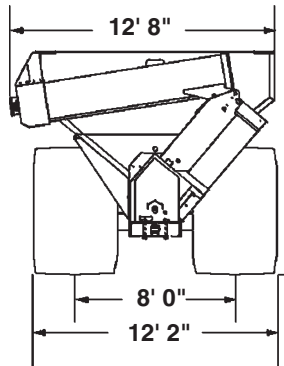
Model 1050 Sof-Tred Grain Cart



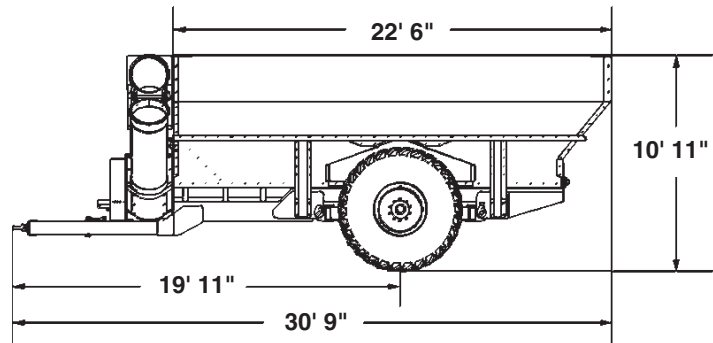
Storage/Transport Auger Position



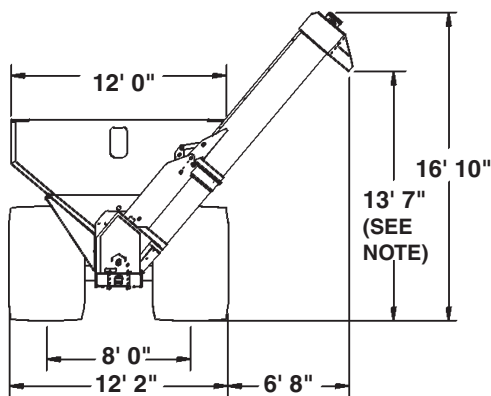
Storage/Transport Auger Position



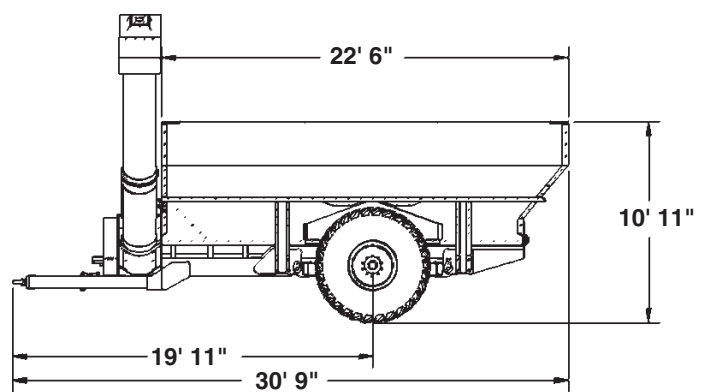
Field Folded Auger Position



Field Folded Auger Position



Unloading Auger Position

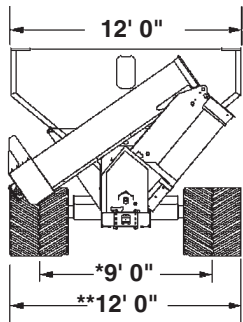


Unloading Auger Position

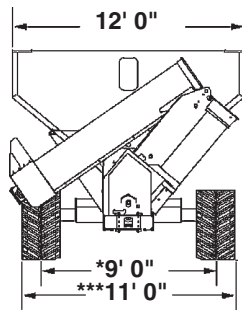
NOTE: Adjustable Discharge Spout provides 25° up and 20° down movement of chute from neutral position.

| | |
|---|--|
| Total Capacity* | 1050 Bushels |
| Bushels/Minute - Average* | 500-600 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 20" - Full Tilt/Full Pitch L.H. |
| Flighting - 20" - Thickness | 7/16" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 22" O.D. - 7 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - Full Pitch L.H. Serial No. 505142 And On - 17" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - 2/3 Pitch L.H. Serial No. 505142 And On - 17" - 2/3 Pitch L.H. |
| Flighting - 16"/17" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | HD Cast Iron - 90°/3.5" - 4 Pitch Cut Gears - 2:1 Ratio |
| Drive Belts | (2) 4-Band, Multi-Strand V-Belts |
| Drive Pulleys | 8 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | Prior To Serial No. 505142 - 220 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 12 mm Shear Bolt Serial No. 505142 And On - 220 HP Rated With 4-Lobe Overrunning And Torque Limiting Clutches |
| PTO Yoke | Prior To Serial No. 505142 - 1 3/8"-21 Spline Or 1 3/4"-20 Spline Serial No. 505142 And On - 1 3/4"-20 Spline Only |
| Tires | (2) 1250/45-32 16 Ply R-1 Bias (76" x 50" x 32") |
| Rims | DH44 x 32" One Piece, Drop Center, 20 Bolt |
| Spindle/Hub | (2) 4 1/2" (High Strength Alloy)/20 Bolt (HD Cast Ductile Iron) |
| Hitch Clevis | Bolt-On Single Clevis, Bolt-On Double Clevis Or Swivel Single Clevis |
| Jack | 2-Speed, 10,000 Lb. Rated |
| Weight - Empty | 18,461 Lbs. |
| Hitch Weight - Empty | 3420 Lbs |
| Hitch Weight - Loaded | 5140 Lbs. |
| Transport Safety Chains | (2) 1/2" - 40,500 Lb. Rated |
| *Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM. | |

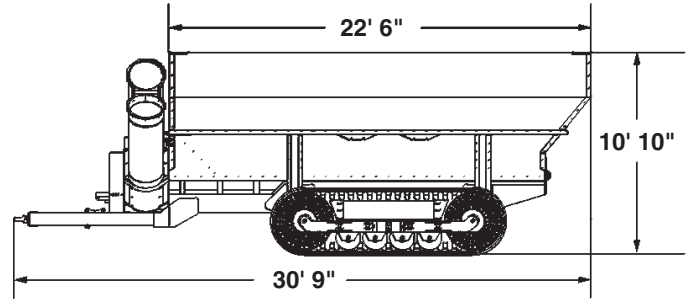
Model 1050 Sof-Trak Grain Cart (108" Axle Setting)



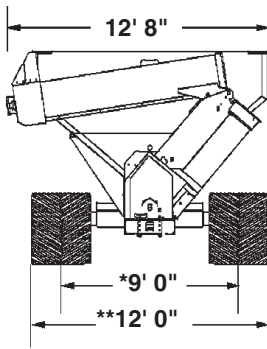
36" Sof-Trak
Storage/Transport
Auger Position



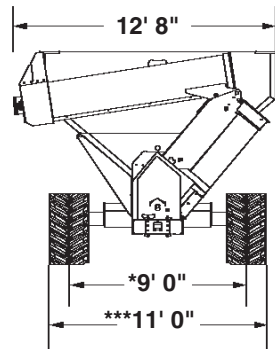
24" Sof-Trak
Storage/Transport
Auger Position



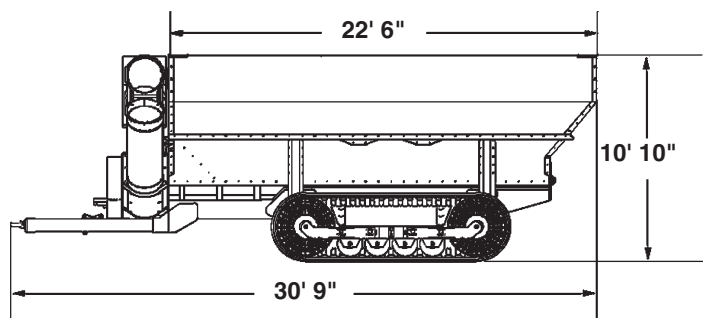
24" Or 36" Sof-Trak
Storage/Transport
Auger Position



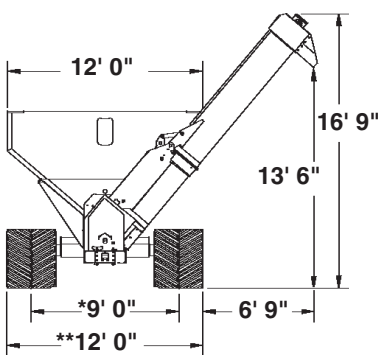
36" Sof-Trak
Field Folded
Auger Position



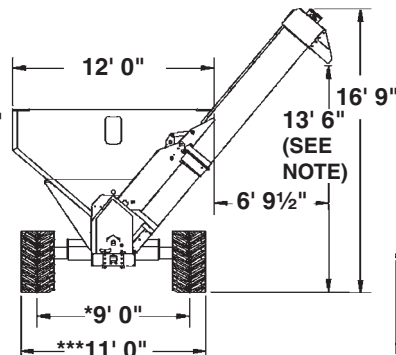
24" Sof-Trak
Field Folded
Auger Position



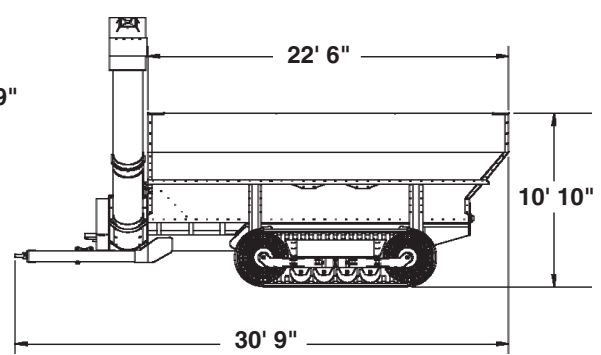
24" Or 36" Sof-Trak
Field Folded
Auger Position



36" Sof-Trak
Unloading
Auger Position



24" Sof-Trak
Unloading
Auger Position



24" Or 36" Sof-Trak
Unloading
Auger Position

- * 120" Axle Setting - 10' 0"
- ** 120" Axle Setting - 13' 0"
- *** 120" Axle Setting - 12' 0"

NOTE: Adjustable Discharge Spout provides 25° up and 20° down movement of chute from neutral position.

| | |
|---|---|
| Total Capacity* | 1050 Bushels |
| Bushels/Minute - Average* | 500-600 Bushels/Minute |
| Vertical Auger (Diameter - Flighting Design/Pitch) | 20" - Full Tilt/Full Pitch L.H. |
| Flighting - 20" - Thickness | 7/16" (Raw Material/Pre-Formed) |
| Tube - Vertical Auger | 22" O.D. - 7 Gauge |
| Bearings (Vertical Auger) | 2" |
| Horizontal Auger - Front Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - Full Pitch L.H. Serial No. 505142 And On - 17" - Full Pitch L.H. |
| Horizontal Auger - Rear Half (Diameter-Pitch) | Prior To Serial No. 505142 - 16" - 2/3 Pitch L.H./ Serial No. 505142 And On - 17" - 2/3 Pitch L.H. |
| Flighting - 16"/17" - Thickness | 3/8" (Raw Material/Pre-Formed) |
| Bearings (Horizontal Auger) | Cast Iron Hubs W/Tapered Roller Bearings |
| Gearbox | HD Cast Iron - 90°/3.5" - 4 Pitch Cut Gears - 2:1 Ratio |
| Drive Belts | (2) 4-Band, Multi-Strand V-Belts |
| Drive Pulleys | 8 Grooves - 7 1/2" Drive/15" Driven |
| PTO - 1000 RPM | Prior To Serial No. 505142 - 220 HP Rated With 4-Lobe Overrunning Clutch - U-Joint With 12 mm Shear Bolt Serial No. 505142 And On - 220HP Rated With 4-Lobe Overrunning And Torque Limiting Clutches |
| PTO Yoke | Prior To Serial No. 505142 - 1 3/8"-21 Spline Or 1 3/4"-20 Spline Serial No. 505142 And On - 1 3/4"-20 Spline Only |
| Hitch Clevis | Bolt-On Single Clevis, Bolt-On Double Clevis Or Swivel Single Clevis |
| Jack | 2-Speed, 10,000 Lb. Rated |
| Track Width | 24" Or 36" |
| Track Overall Length | 153" |
| Track Contact Length | 108" |
| End Wheels | 2 Sets Per Track - 36 1/2" Diameter Cast Iron Segmented |
| Mid Wheels | 4 Per Track - 16" Diameter Steel |
| Weight - Empty (Sof-Track Prior To Serial No. 506295 And Sof-Tred) | 24" Tracks 22,991 Lbs. Or 36" Tracks 24,101 Lbs. |
| Weight - Empty (Sof-Trak Serial No. 506295 And On) | 24" Tracks 23,868 Lbs. Or 36" Tracks 24,978 Lbs. |
| Hitch Weight - Empty | 3420 Lbs. |
| Hitch Weight - Loaded | 5140 Lbs. |
| Transport Safety Chains | (2) 1/2" - 40,500 Lb. Rated |

*Approximate with 15% moisture corn. Capacity and bushels/minute will vary with moisture content of grain and/or PTO RPM.

General Safety Rules

1. Read and understand instructions provided in this manual and warning labels. Review these instructions frequently!
2. This machine is designed and built with your safety in mind. Do not make any alterations or changes to this machine. Any alteration to design or construction may create safety hazards.
3. A large portion of farm accidents happen from fatigue or carelessness. Safe and careful operation of tractor and grain cart will help prevent accidents.
4. Never allow cart to be operated by anyone unfamiliar with operation of all functions of the unit. Operators must read and thoroughly understand all instructions given in this manual before operating or working on equipment.
5. Be aware of bystanders, particularly children! Always look around to make sure it is safe to start tow vehicle engine or move grain cart. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
6. Make sure cart weight does not exceed towing capacity of tractor, or bridge and road limits. This is critical to maintain safe control and prevent death or injury, or property and equipment damage.
7. Never ride or allow others to ride on cart
8. Store cart in an area away from human activity. DO NOT permit children to play on or around stored unit.
9. Keep hands, feet, and clothing away from moving parts. Do not wear loose-fitting clothing which may catch in moving parts.
10. Always wear protective clothing, shoes, gloves, and hearing and eye protection applicable for the situation.
11. Do not allow anyone to stand between tongue or hitch and towing vehicle when backing up to cart.
13. Prevent electrocution, other injuries, or property and equipment damage. Watch for obstructions such as wires, tree limbs, etc. when operating machine. Be aware of clearances during turns and when folding/unfolding grain chute.
14. Pick levellest possible route when transporting across fields.
15. Never operate grain cart without PTO driveline guards, tractor master shield and implement shields in place. Make certain PTO driveline guards turn freely and are properly attached.
16. Make sure parked machine is on a hard, level surface. Wheel chocks may be needed to prevent unit from rolling.
17. Follow all federal, state/provincial and local regulations when towing farm equipment on a public highway. Use safety chain (not an elastic or nylon/plastic tow strap) to retain connection between towing and towed machines in the event of primary attaching system separation.
18. Make sure all safety/warning lights, SMV sign, and reflective decals are in place and working properly before transporting machine on public roads.
19. Limit towing speed to 15 MPH. Tow only with farm tractor of a minimum 90 HP. Allow for unit length when making turns.
20. Reduce speed prior to turns to avoid the risk of overturning. Avoid sudden uphill turns on steep slopes. Always drive at a safe speed relative to local conditions and ensure your speed is slow enough for a safe emergency stop.
21. Always keep the tractor in gear to provide engine braking when going downhill. Do not coast.
22. Always disengage PTO, shutoff tractor engine and remove the ignition key before leaving tractor seat, lubricating or working on grain cart, or when cleaning out debris.
23. Always make sure U-joint yokes are securely locked on tractor and implement shaft before operating cart.
24. Be especially observant of the operating area and terrain. Watch for holes, rocks or other hidden hazards. Always inspect area before operation. DO NOT operate near edge of drop-offs or banks, or on steep slopes as overturn may result. Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops. Be extra careful when working on inclines.
25. Never step across any driveline. Do not attach drivelines with bolts or pins longer than recommended. Never operate cart with damaged PTO driveline guards.

Following are some common hazard warnings associated with this equipment. Pay close attention to all safety, operating, and maintenance information in this manual and decals applied to your equipment.

 **DANGER!**

Contacting or coming close to power lines or other high energy sources will cause death or serious injury. Keep away from power lines or high energy sources at all times.

 **WARNING**

Improperly operating or working on this equipment could result in death or serious injury. Read and follow all instructions in Operator Manual before operating or working on this equipment.

 **WARNING**

Towing loaded grain carts on public roads and bridges can result in death, serious injury, and damage to property and equipment by exceeding road and bridge load limits. Never tow a loaded grain cart on public roads and bridges.

 **WARNING**

Explosive separation of rim and tire parts can cause death or serious injury. Overinflation, rim and tire servicing, improper use of rims and tires, or worn or improperly maintained tires could result in a tire explosion.

Safety Signs And Decals

 **WARNING**

All safety/warning lights, reflective decals, and SMV sign must be in place and visible before transporting machine on public roads or death, serious injury, and damage to property and equipment may result. Check federal, state/provincial, and local regulations before transporting equipment on public roads.

Safety signs and decals are placed on the machine to warn of hazards and provide important operating and maintenance instructions. Information on these signs are for your personal safety and the safety of those around you. FOLLOW ALL SAFETY INSTRUCTIONS!

- Keep signs clean so they can be easily seen. Wash with soap and water or cleaning solution as required.
- Replace safety signs if damaged, painted over, or missing.
- Check reflective decals and SMV sign periodically. Replace if they show any loss of reflective properties.
- When replacing decals, clean machine surface thoroughly with soap and water or cleaning solution to remove all dirt and grease.

NOTE: Safety sign and decal locations are shown in the Parts Manual for this machine.

NOTE: Style and locations of SMV sign, reflective decals, and safety/warning lights conform to ANSI/ASABE S279.14 JUL 2008 and ANSI/ASABE S276.6 JAN 2005.

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The following information is general in nature and was written to aid the operator in preparing the tractor and auger wagon for use and to provide general operating procedures.

INITIAL PREPARATION OF THE MACHINE

Lubricate the auger wagon per the lubrication information in this manual prior to initial operation and at prescribed intervals thereafter. Make sure all tires have been properly inflated prior to each use. Check drive V-belts for proper tension and alignment. Torque all wheel lug nuts to specified torque. See pages 8-18 and 8-19 for axle adjustment for the applicable axle style of the wagon.

TRACTOR REQUIREMENTS

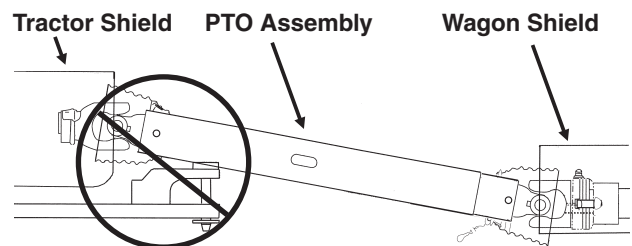
Consult your dealer for information on horsepower requirements and tractor compatibility. Two remote hydraulic outlets (SCV) are required on all sizes. A third remote hydraulic outlet is required if the auger wagon is equipped with the Hydraulic Flow Gate Option or the Adjustable Discharge Spout on 850 or 1050 models. A 12 volt DC electrical system is required on all sizes to operate safety/warning lights, auger-mounted work light or the optional electronic scale system.

TRACTOR PREPARATION AND HOOKUP

1. Slide tractor drawbar in as far as possible and still allow PTO shaft to have sufficient clearance to prevent damage to driveline components when making sharp turns and operating over uneven ground.

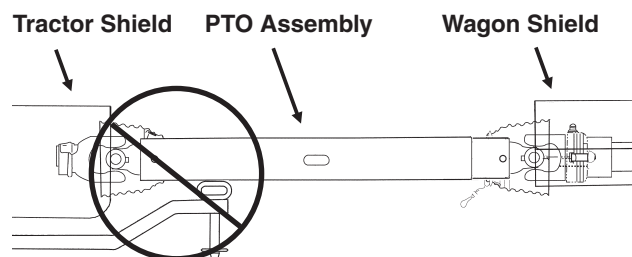
NOTICE: If the auger wagon is attached to some tractor models with a clevis hitch (hammer strap style) drawbar, the hammerstrap may need to be removed to prevent damage to the PTO assembly.

(WGN117a)



NOTICE: If the auger wagon is attached to a tractor with an offset in the drawbar, be certain the offset is in the down position to prevent damage to the PTO assembly.

(WGN116)

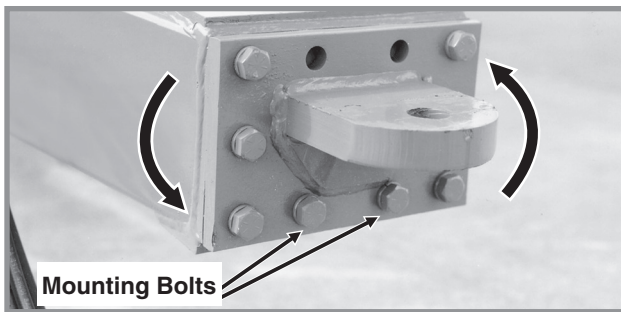


2. Connect auger wagon to tractor hitch. Irregardless of hitch option (swivel single or double clevis on 650; bolt-on single clevis, bolt-on double clevis or swivel single clevis on 850 or 1050), use a high quality hitch pin of sufficient length and strength and secure pin with a locking device.

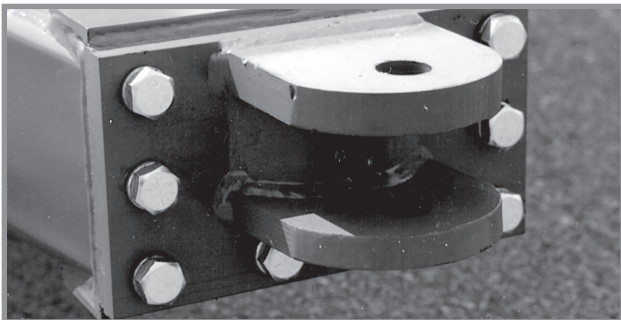
Recommended hitch pin diameter:

| | |
|--|---|
| Bolt-On Single Clevis, Single Clevis Swivel Or Bolt-On Double Clevis Swivel | Pin recommended and supplied by the tractor manufacturer. (Max. 2") |
| Double Clevis | Min. 1 $\frac{3}{8}$ " (Max. 1 $\frac{1}{2}$ ") |

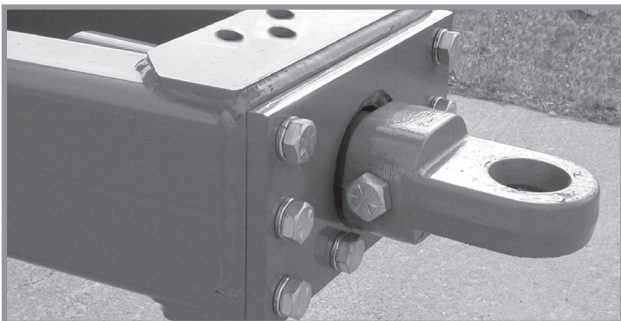
NOTE: The bolt-on single clevis hitch (850/1050 only) can be turned over for an additional 1 $\frac{1}{2}$ " hitch height adjustment. (Recommended mounting bolt torque - 380 ft. lbs.)



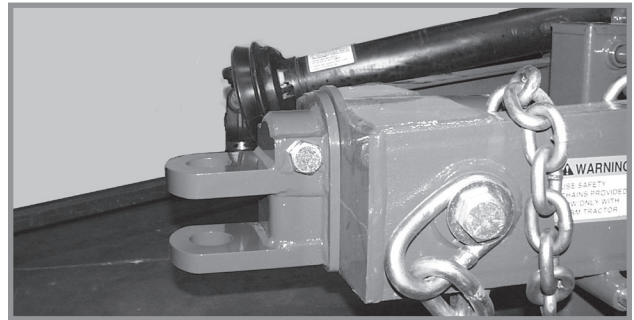
Bolt-On Single Clevis Hitch (Model 850/1050)



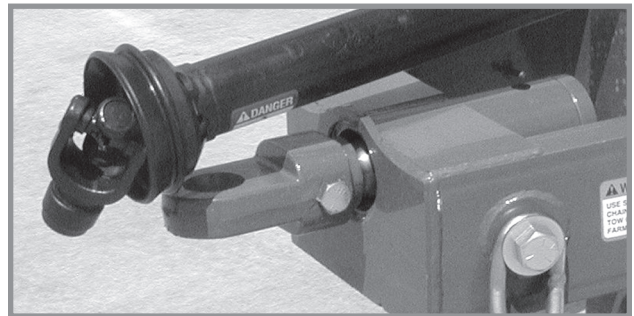
Bolt-On Double Clevis Hitch (Model 850/1050)



Single Clevis Swivel Hitch (Model 850/1050)

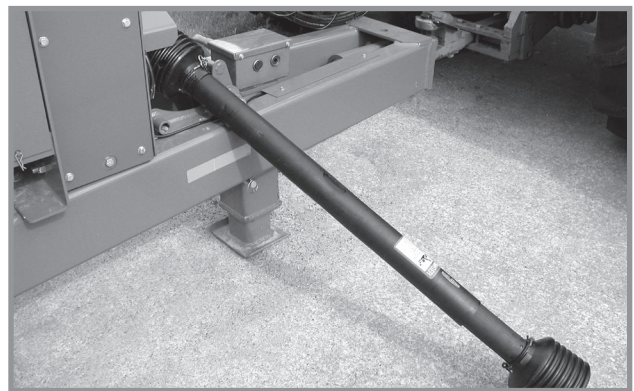


Double Clevis Swivel Hitch (Model 650)



Single Clevis Swivel Hitch (Model 650)

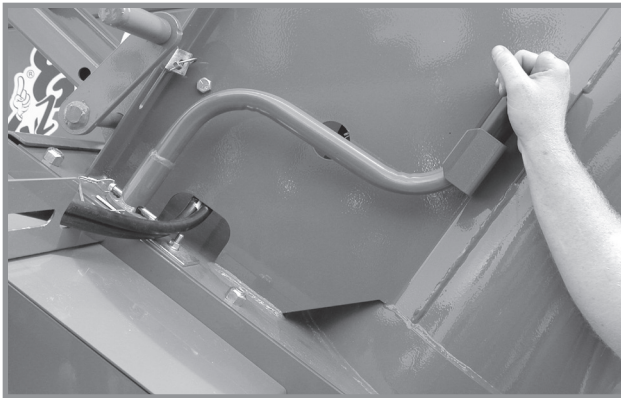
NOTE: The PTO must remain disconnected and positioned as far to the right of the wagon hitch as possible until the parking jack is raised.



3. Remove jack handle from the storage location.

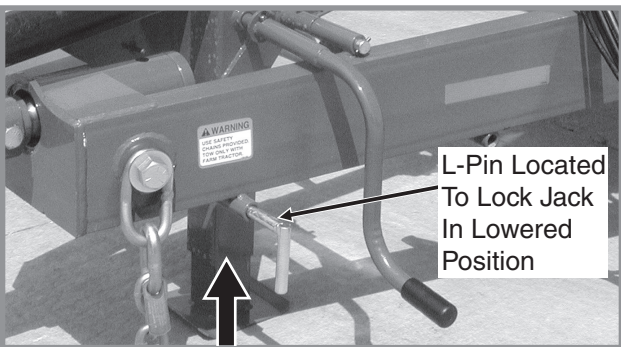


Model 650 Shown

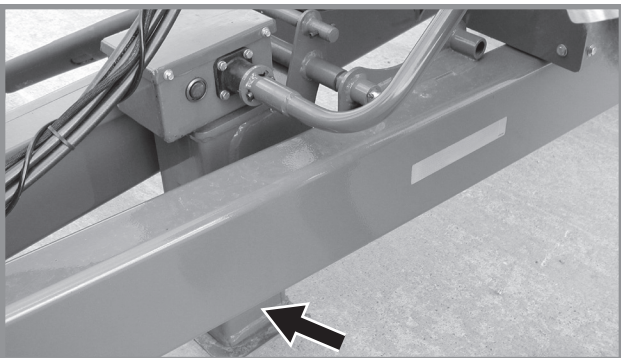


Model 1050 Shown

4. Raise the jack fully.

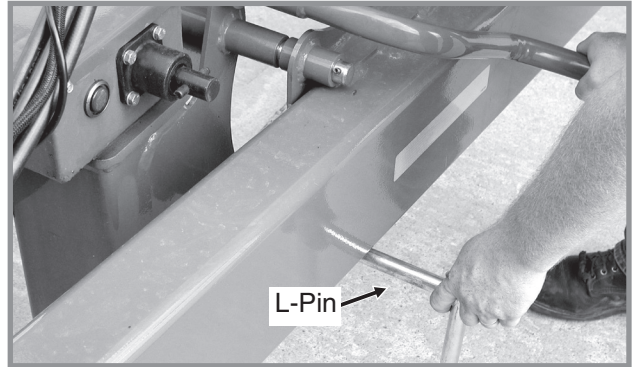


Model 650 Shown



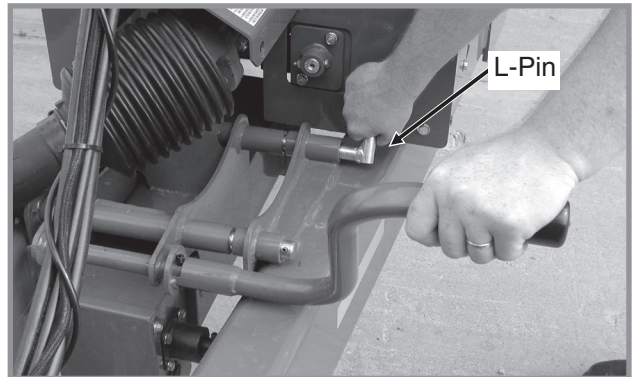
Model 1050 Shown

5. Position jack handle as shown below. Use the jack handle to rotate the jack enough to allow removal of the L-pin.



Model 1050 Shown

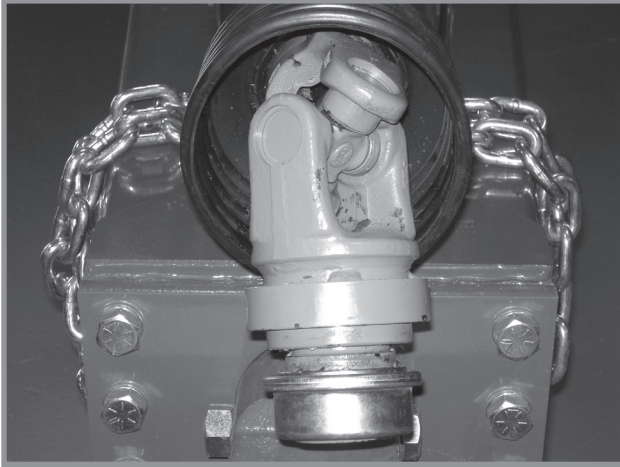
6. Rotate parking jack to the horizontal storage position to prevent damage to jack in uneven operating conditions. Install L-pin to lock the jack in the raised position. Return jack handle to storage location.



Model 1050 Shown

7. Attach wagon PTO connecting yoke to tractor PTO shaft. Be sure spring loaded yoke pin engages groove in tractor PTO shaft. Check that slip tube grease fitting is visible through hole of outer tube.

NOTICE: Ensure tractor drawbar is adjusted to prevent severe bends in PTO U-joint angles and to allow sufficient clearance between tractor drawbar/hitch pin and PTO shaft.



NOTICE: The PTO shaft coupling should be cleaned and greased each time the PTO is installed.

NOTICE: To extend life of shaft splines, apply a coating of high-speed industrial coupling grease, such as Chevron® Coupling Grease, that meets AGMA CG-1 and CG-2 Standards.

(The Chevron® trademark is owned by Chevron Products Company. AGMA is the acronym for the American Gear Manufacturers Association.)

8. Connect hydraulic hoses to tractor ports in a sequence which is both familiar and comfortable to the operator. (ISO couplers are included as standard equipment.)

! DANGER: Before applying pressure to the hydraulic system, make sure all connections are tight and hoses and fittings have not been damaged. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin, causing injury or infection.

NOTICE: Always wipe hose ends to remove any dirt before connecting couplers to tractor ports.

9. Connect the seven terminal breakaway connector for the lighting system on the wagon to the seven pin connector on the tractor. If your tractor is not equipped with the SAE Standard 7 terminal connector, obtain through your local tractor supply dealer. Check to be sure clearance lights, signal lights and auxiliary work light are working properly.

! DANGER: Because of load capacities on bridges and roads and because the machine is not equipped with brakes, this machine is not intended for hauling loads on public roadways. It is the operator's responsibility to be aware of and follow federal, state/provincial and local regulations in this regard.

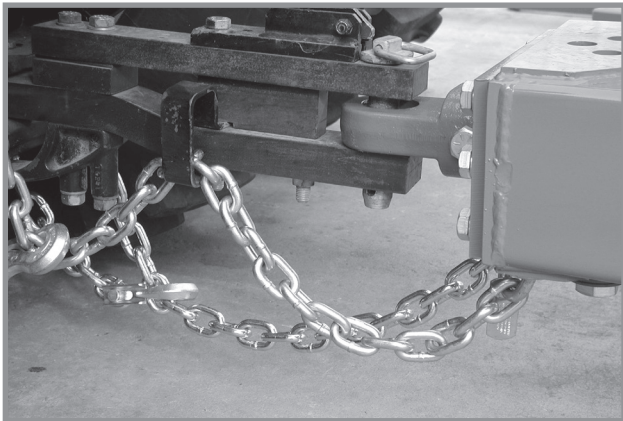
! DANGER: Windows give only a limited view of what is behind the wagon. The use of a rear-view mirror is recommended to aid the operator in seeing behind the wagon. Always check carefully, including blind spots, before backing or turning the wagon.

NOTICE: Do not operate tractor PTO above 750 PTO RPM with the augers empty.

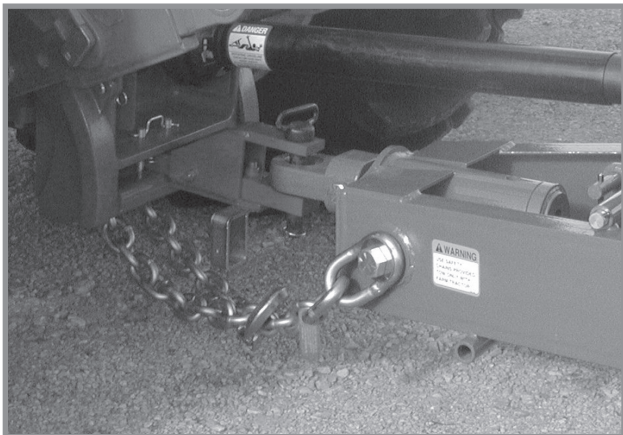
! WARNING: Wide loads or loads with a high center of gravity may cause instability or rollover when operating on hillsides or in rough terrain.

10. The auxiliary attaching system (transport safety chain) provided with your wagon should be used to ensure the connection is retained between the wagon and tractor in the event of a hitch pin/drawbar failure. The safety chain is to be attached as shown in the following photos. The attaching hardware should be torqued to 840 ft. lbs.

NOTICE: Be sure the auxiliary attaching system is of sufficient strength and length and correctly attached. Also be aware of PTO clearance.



Model 850/1050



Model 650

UNLOADING THE AUGER WAGON

Unloading speed will vary with the moisture content of the grain and the PTO speed. If equipped with optional Hydraulic Flow Gate Package, the amount of opening on the grain flow control gate may also impact unloading speed.

1. After checking to see that there are no power lines or other obstacles in the way, fold the unloading auger into the unloading position. The cylinder should be fully extended to lock the upper and lower auger sections in place. Check the speed at which the auger folds and if necessary adjust the tractor flow control. If the auger folds too fast it could damage the hinge assembly or force the spring loaded bearing at the upper end of the vertical auger out of adjustment.

⚠ DANGER: Care must be taken when operating wagon and/or folding unloading auger around power lines.

⚠ DANGER: Stand clear when folding the vertical unloading auger.

NOTICE: The elbow in the rod end of the auger fold hydraulic cylinder is a restrictor-type elbow to control folding speed. Do not replace with any other type elbow fitting.

2. With tractor idling, engage PTO.
3. Engage horizontal auger belt drive.
4. Increase tractor RPM to the desired speed. (Not to exceed 1000 PTO RPM.)

NOTICE: If the auger wagon is being unloaded on the move, disengage PTO before making any sharp turns.

5. As grain flow slows, reduce tractor RPM to idle.

NOTICE: Do not operate tractor PTO above 750 PTO RPM with the augers empty.

6. When grain flow stops, disengage horizontal auger belt drive.
7. Disengage PTO when augers come to a complete stop, lower vertical auger to field folded position.

NOTICE: If wagon is used around power lines, buildings, trees or other obstacles, or if the wagon is being used in rough field conditions, the unloading auger should be folded to the field folded position after unloading.

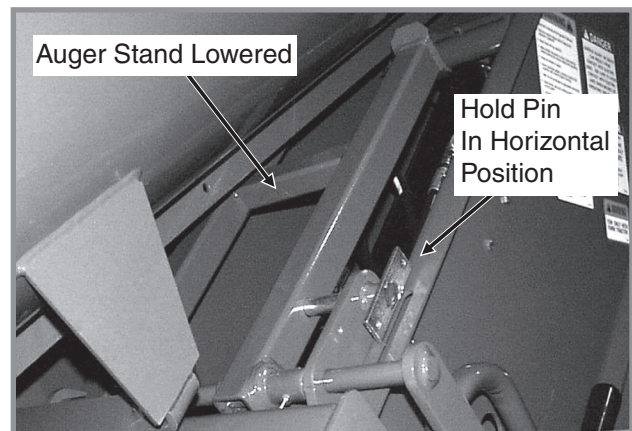
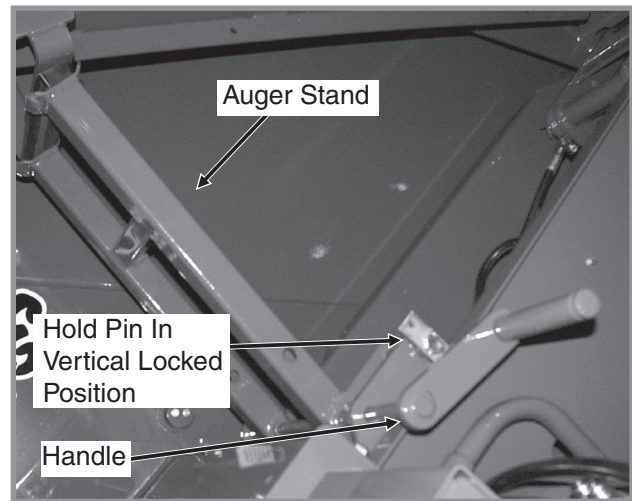
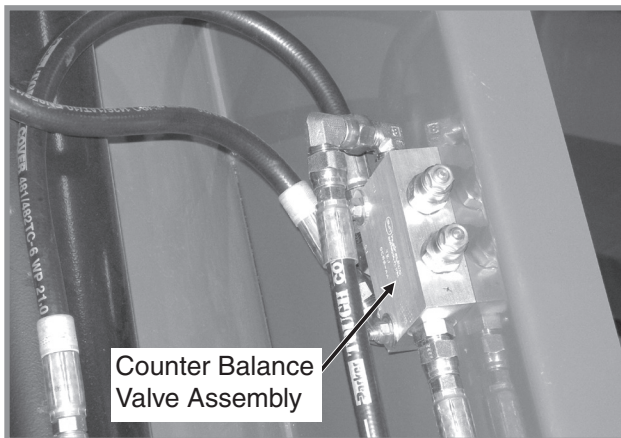
VERTICAL AUGER FOLD

! **DANGER: Stand clear when folding auger.**

The upper section of the 850/1050 vertical auger has one operating, or unloading position, and two folded positions; storage/transport folded or field folded.

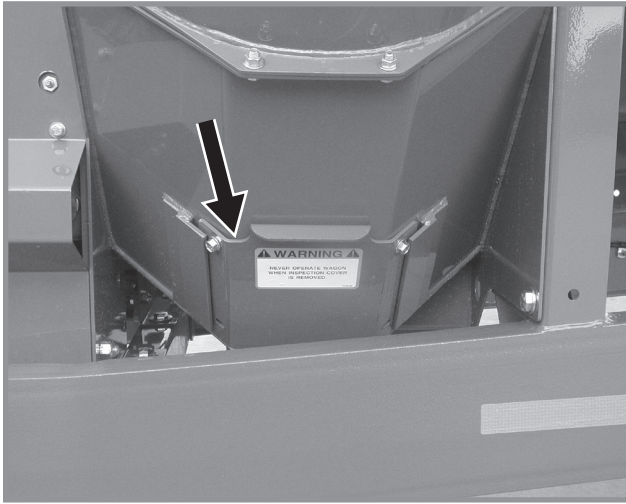
The upper section of the 650 vertical auger has one operating, or unloading position, and one field folded or storage/transport position.

A hydraulic cylinder, with a remote-mounted counter balance valve assembly, "locks" the auger in any position on the 850 or 1050.



To fold the auger to the storage/transport position on 850/1050 wagons, the auger stand must be lowered. Use the hydraulic cylinder to remove weight of the auger from the auger stand. Standing on the L.H. side of the wagon, rotate the handle slightly to remove pressure from the hold pin. Remove locking (lynch) pin. Rotate the hold pin to the horizontal position and remove the hold pin. Rotate the handle clockwise to lower the auger stand. Reinstall hold pin and rotate pin to the vertical locked position. Reinstall locking (lynch) pin.

AUGER INSPECTION COVER



Model 650



Model 850/1050

! **DANGER:** Never open inspection cover while PTO and/or augers are running.

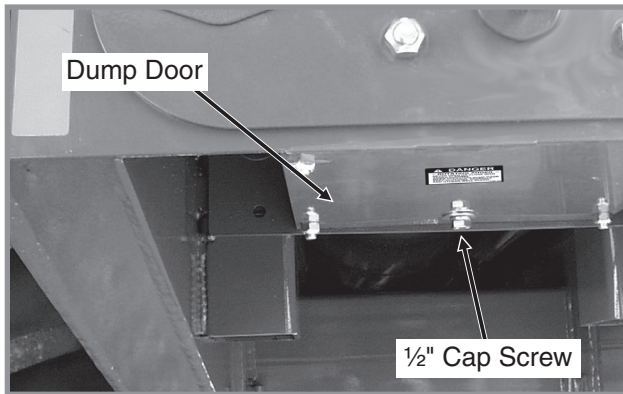
50 Series Grain Carts are equipped with an inspection cover at the bottom of the vertical auger that is used for clean out purposes.

The inspection cover should be removed any time total clean out of the wagon is required, such as when changing crops, to preserve grain identity, or in preparation for storage.

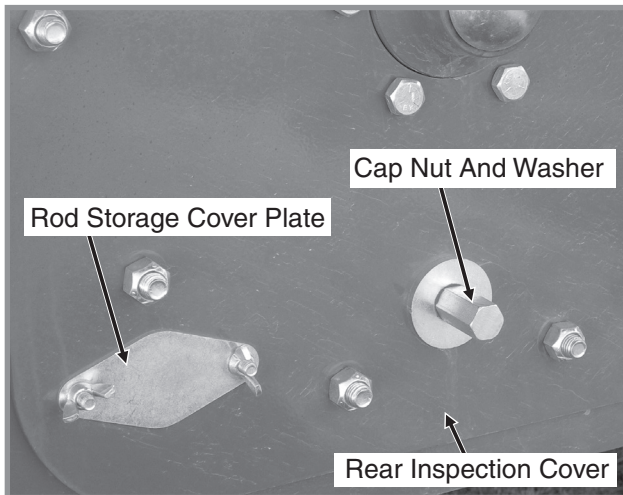
At the end of each season or after extended use, the inspection cover should be removed and the auger chamber cleaned of all debris and accumulated grain to prevent rust and mold.

Reinstall cover and tighten hardware evenly after clean out is complete.

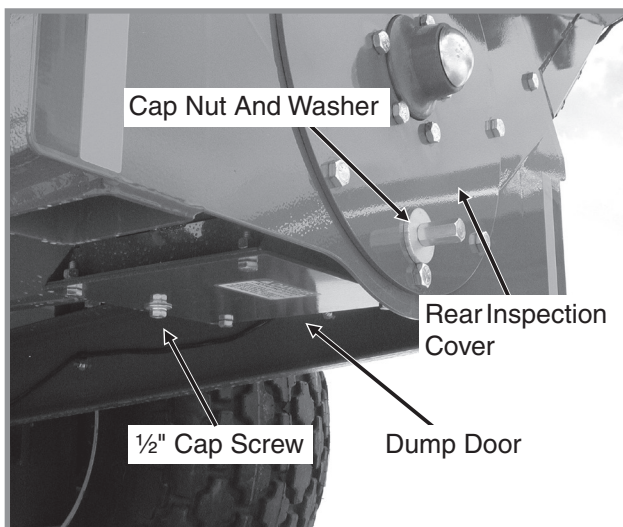
GRAIN TANK CLEAN OUT SWEEP



Applies To 850/1050 Wagons



Applies To 850/1050 Wagons



Applies To 650 Wagons



Applies To 650 Wagons

⚠ DANGER: Never use clean out sweep while PTO and/or augers are running.

⚠ DANGER: Never remove dump door while PTO and/or augers are running.

⚠ DANGER: Never work around PTO, gearbox or belt drive system or allow anyone else to do so while PTO is running.

Model 650 Wagons remove the two lengths of extension rods from the storage location in front of the tire on the L.H. side of the wagon. Connect the two extension rods together and attach to the clean out sweep.

Model 850/1050 Wagons To access the grain tank clean out sweep, remove the cap nut and heavy washer at the bottom of the rear inspection cover. Remove the 1/2" cap screws that secures clean out sweep and remove the dump door on the underside of the grain tank at the rear of the wagon. Set hardware aside.

Remove the auger inspection cover at the front of the wagon by removing 3/8" nuts.

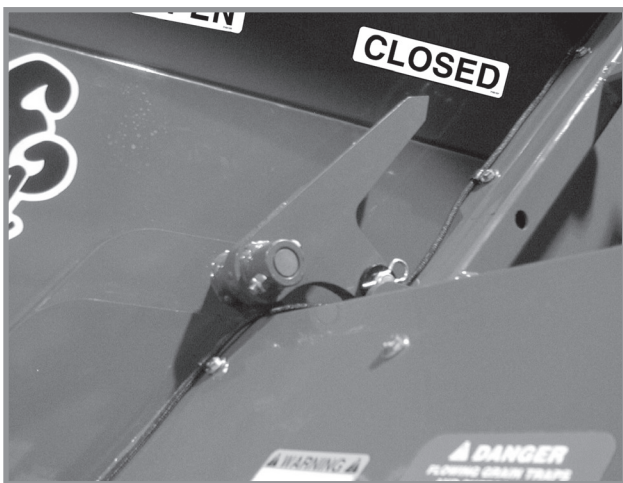
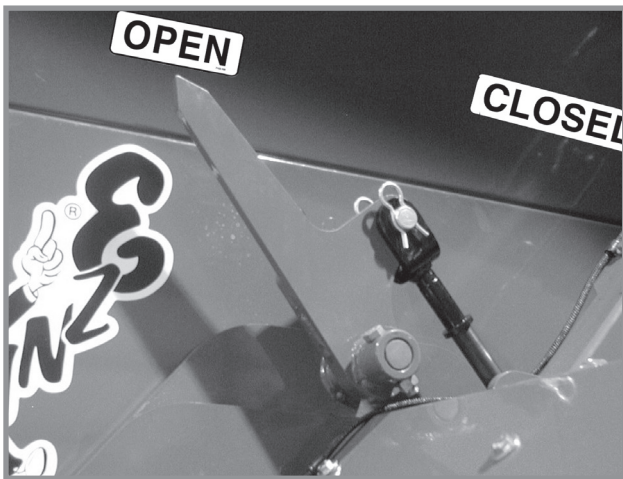
Remove the wing nuts holding the rod storage cover plate and remove the two lengths of extension rods. Connect the two extension rods together and attach to the clean out sweep.

Attach extension rods and pull the clean out sweep as far back as possible then push it as far forward as possible. Repeat this procedure several times. Inspect the inside of the wagon to ensure clean out is complete.

Reinstall auger inspection cover at front of wagon and dump door on underside of grain tank at rear of wagon. Store clean out sweep extension rods and reinstall and tighten all hardware.

HYDRAULIC FLOW GATE

Dealer-installed hydraulic flow gate options to control volume of grain to the horizontal auger are available for all 50 Series Grain Carts. Hydraulic flow gate options include doors to cover the horizontal auger, actuating linkage, mounting hardware and an externally-mounted 2" x 8" hydraulic cylinder with hoses. An indicator on the front wagon panel shows if the hydraulic flow gate is open or closed.



NOTE: The hydraulic flow gate is intended to set the volume of grain being fed into the horizontal auger. **It is not intended as a grain shutoff device. Use belt drive to engage/disengage horizontal auger drive.**

To determine correct flow gate opening for the application:

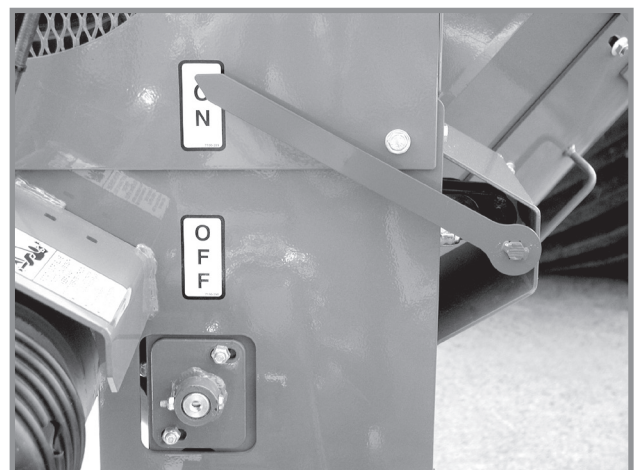
- Open the gate half way.
- Engage PTO for the vertical auger at low RPM.
- Engage belt drive clutch to start the horizontal auger.
- Adjust flow gate to desired unloading rate.

NOTE: After desired unloading rate is set for the application, the gate should be left at that setting. The flow gate should not be opened and closed for each load.

NOTE: Recommended initial flow gate position for rice would be half open.

BELT ENGAGEMENT INDICATOR

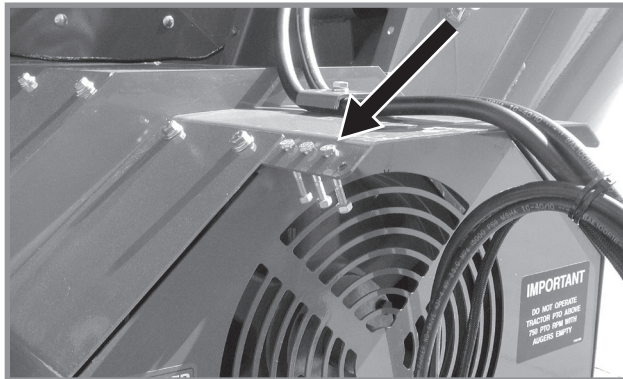
An indicator pointer on the front side of the belt housing allows the operator to see if the horizontal auger is engaged (ON) or disengaged (OFF). This indicator pointer is attached to the belt engagement linkage. It is recommended that the indicator be in the OFF position when the PTO is being engaged to reduce the start up torque requirement. As the belt tension is being disengaged (OFF) you will hear the linkage snap over center and release the belt tension.



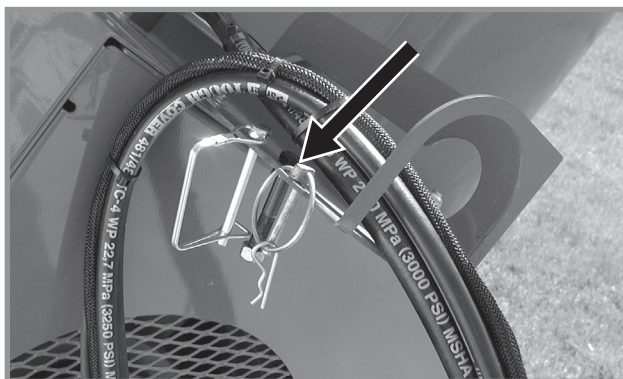
PTO SHEAR BOLT/OVERRUNNING CLUTCH PROTECTION (All Model 850 Wagons And Model 1050 Wagons Prior To Serial No. 505142)

The shear bolt/overrunning clutch is designed to ensure driveline, gearbox and auger protection. Should the auger become obstructed, the yoke is designed to shear the connecting bolt before further damage can occur. The overrunning clutch allows the auger system to freewheel and protect the tractor and wagon against the possibility of shock damage from PTO brake-equipped tractors.

NOTE: Always use identical quantity, size and grade of bolt for replacement. A spare shear bolt is stored in the holder at the top of the belt housing.



Applies To 650 Wagons

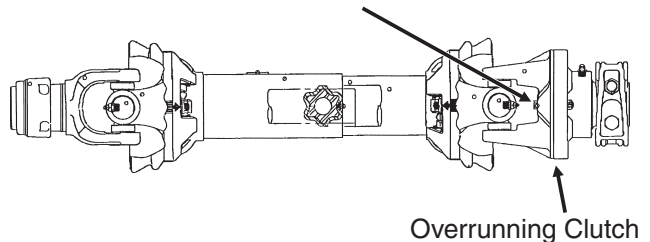


Applies To 850/1050 Wagons (Prior To Serial No. 505142)

MODEL 650 WAGONS

The shear bolt is located in the wagon half of the PTO assembly. One 5/16"-18 x 2" Grade 5 shear bolt and lock nut is used.

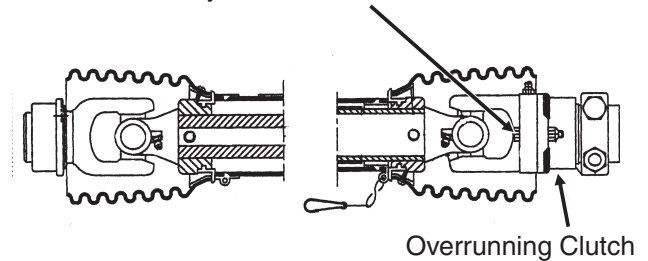
5/16"-18 x 2" Grade 5 Shear Bolt And Lock Nut



MODEL 850 And 1050 (Prior To Serial Number 505142) WAGONS

The shear bolt is located in the wagon half of the PTO assembly. One M12-1.75 x 60 Grade 8.8 shear bolt and M12-1.75 nylon insert lock nut is used.

M12-1.75 x 60 Grade 8.8 Shear Bolt And M12-1.75 Nylon Insert Lock Nut

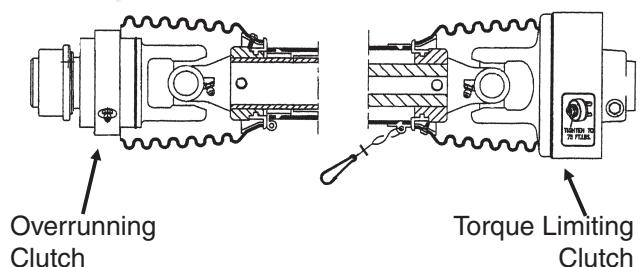


PTO TORQUE LIMITING/OVERRUNNING CLUTCH PROTECTION (Model 1050 Wagons Serial No. 505142 And On)

The torque limiting and overrunning clutches are designed to ensure driveline and gearbox protection.

Should the auger become obstructed, the torque limiting clutch is designed to disengage before damage can occur. The torque limiting clutch will reset automatically when the PTO RPM is reduced.

The overrunning clutch allows the auger system to freewheel and protect the tractor and wagon against the possibility of shock damage from PTO brake-equipped tractors.



ELECTRONIC SCALE (EZ 400) (MODEL 650 CARTS)

Two methods are used for weighing:

1. Weight of what is loaded into grain cart.
2. Weight of what is unloaded from grain cart.

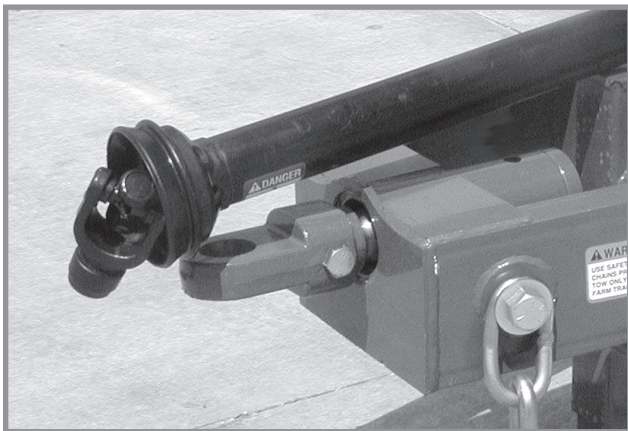
Preferred method is to weigh what is unloaded.

To measure what is unloaded, press “TARE” before starting to unload. Weight being unloaded displays as a negative value. Record this information and press “NET/GROSS” to return to gross weight.

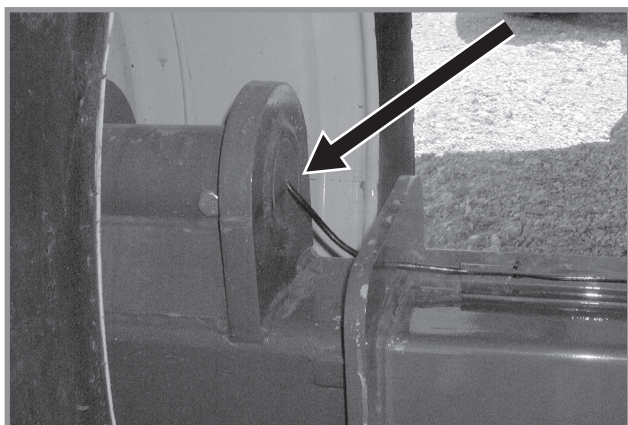
To measure what is loaded (For example when doing a field yield check.), press “ZERO” to zero cart weight before loading.

NOTE: Scale is most accurate when cart is sitting still and on level ground when weighing.

MODEL 650 WHEELED CARTS



Hitch Weigh Beam



Weigh Spindle

650 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



EZ 400 Display

Suggested Operating Procedures

NOTE: Movement of cart causes scale indicator reading to fluctuate.

Step 1 Press “ON” to turn on scale.

NOTE: Allow one (1) minute for the scale to warm up (allow 5-10 minutes in cold weather).

Step 2 Press “NET/GROSS” then “ZERO” to zero cart weight.

Step 3 Load cart.

Step 4 Before unloading cart, press “PRINT/TARE” for 3 seconds to zero scale.

Step 5 Unload cart. Negative reading on scale indicator is pounds unloaded. Record weight or print (if using data downloader kit or print option).

Step 6 Press “NET/GROSS” to return to current weight left on cart.

Repeat Steps 4 - 6 each time cart is unloaded.

Consult EZ 400 manual provided and Maintenance section of this manual for additional information.

ELECTRONIC SCALE (EZ 400) (MODEL 850/1050 CARTS)

Two methods are used for weighing:

1. Weight of what is loaded into grain cart.
2. Weight of what is unloaded from grain cart.

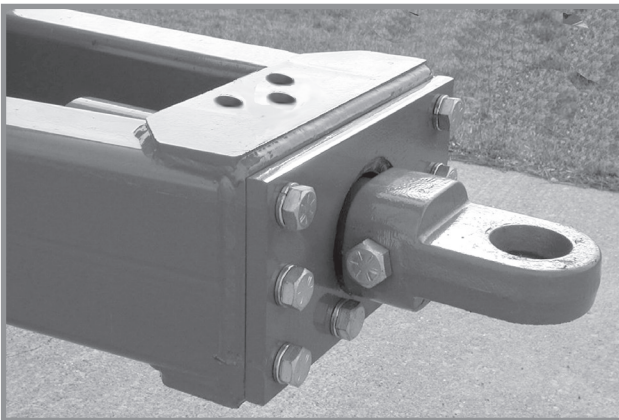
Preferred method is to weigh what is unloaded.

To measure what is unloaded, press “TARE” before starting to unload. Weight being unloaded displays as a negative value. Record this information and press “NET/GROSS” to return to gross weight.

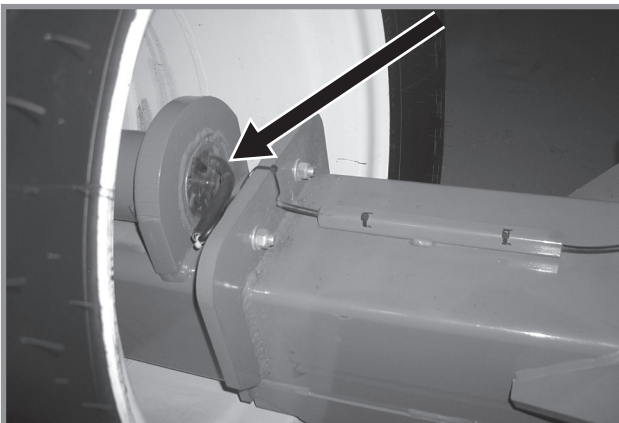
To measure what is loaded (For example when doing a field yield check.), press “ZERO” to zero cart weight before loading.

NOTE: Scale is most accurate when cart is sitting still on level ground when weighing.

MODEL 850 WHEELED/SOF-TRED CARTS



Hitch Weigh Beam



850 Weigh Spindle

850 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



EZ 400 Indicator

Suggested Operating Procedures

NOTE: Movement of cart causes scale indicator reading to fluctuate.

Step 1 Press “ON” to turn on scale.

NOTE: Allow one (1) minute for the scale to warm up (allow 5-10 minutes in cold weather).

Step 2 Press “NET/GROSS” then “ZERO” to zero cart weight.

Step 3 Load cart.

Step 4 Before unloading cart, press “PRINT/TARE” for 3 seconds to zero scale.

Step 5 Unload cart. Negative reading on scale indicator is pounds unloaded. Record weight or print (if using data downloader kit or print option).

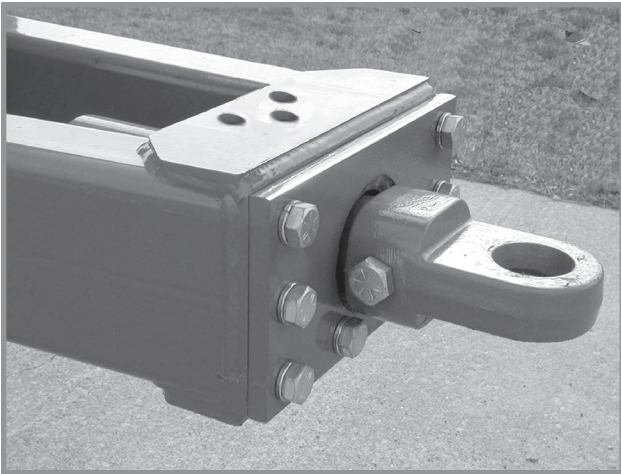
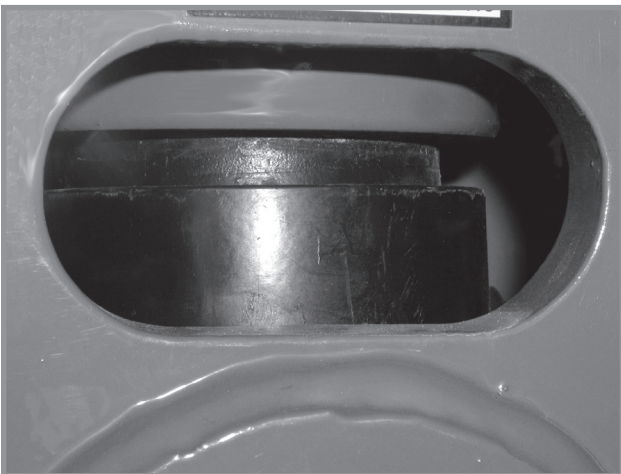
Step 6 Press “NET/GROSS” to return to current weight left on cart.

Repeat Steps 4 - 6 each time cart is unloaded.

Consult EZ 400 manual provided and Maintenance section of this manual for additional information.

MODEL 1050 CARTS

1050 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.

**Hitch Weigh Beam****EZ 400 Indicator****1050 Compression Type Load Cell****1050 Compression Type Load Cell****Suggested Operating Procedures**

NOTE: Movement of cart causes scale indicator reading to fluctuate.

Step 1 Press "ON" to turn on scale.

NOTE: Allow one (1) minute for the scale to warm up (allow 5-10 minutes in cold weather).

Step 2 Press "NET/GROSS" then "ZERO" to zero cart weight.

Step 3 Load cart.

Step 4 Before unloading cart, press "PRINT/TARE" for 3 seconds to zero scale.

Step 5 Unload cart. Negative reading on scale indicator is pounds unloaded. Record weight or print (if using data downloader kit or print option).

Step 6 Press "NET/GROSS" to return to current weight left on cart.

Repeat Steps 4 - 6 each time cart is unloaded.

Consult EZ 400 manual provided and Maintenance section of this manual for additional information.

ELECTRONIC SCALE (GT 400) (MODEL 850/1050 CARTS)

Two methods are used for weighing:

1. Weight of what is loaded into grain cart.
2. Weight of what is unloaded from grain cart.

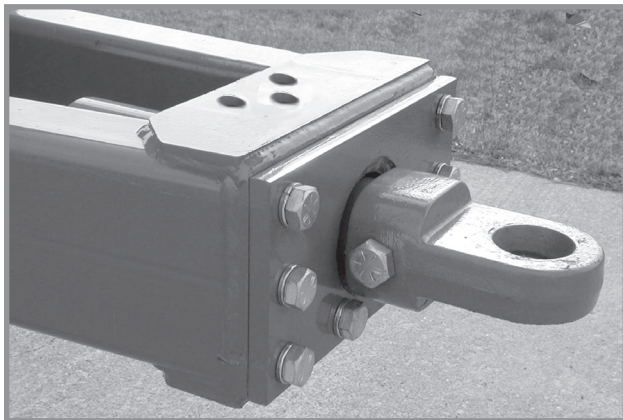
Preferred method is to weigh what is unloaded. To measure what is unloaded, press "TARE" before starting to unload. Weight being unloaded displays as a negative value. Record this information and press "NET/GROSS" to return to gross weight.

To measure what is loaded (For example when doing a field yield check.), press "ZERO" to zero cart weight before loading.

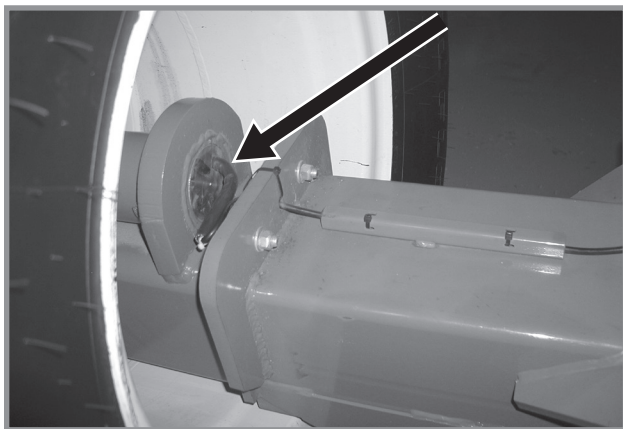
NOTE: Scale is most accurate when cart is sitting still on level ground when weighing.

MODEL 850 WHEELED/SOF-TRED CARTS

850 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



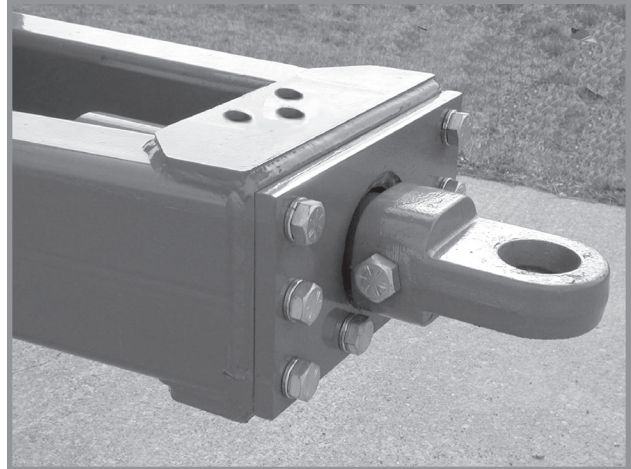
Hitch Weigh Beam



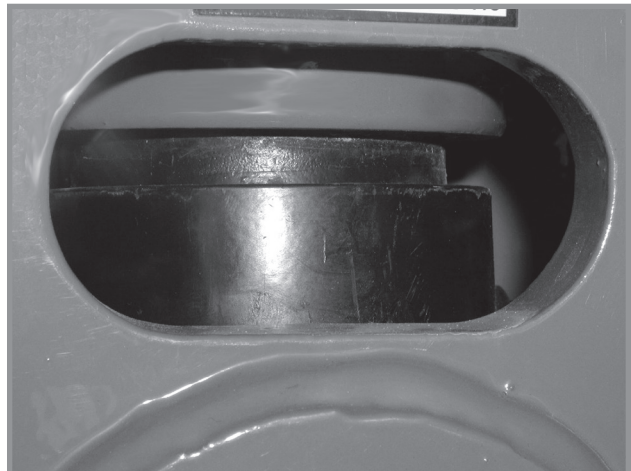
850 Weigh Spindle

MODEL 1050 CARTS

1050 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



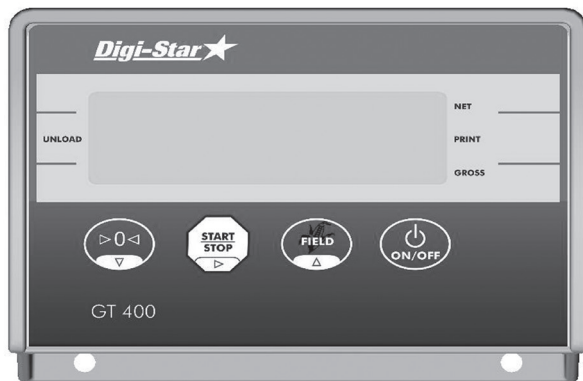
Hitch Weigh Beam



1050 Compression Type Load Cell



1050 Compression Type Load Cell



GT 400 Indicator

Suggested Operating Procedures

NOTE: Movement of cart causes scale indicator reading to fluctuate.

Step 1 Press  to turn on scale.

NOTE: Allow one (1) minute for scale to warm up (allow 5-10 minutes in cold weather).

Step 2 Press and hold  to zero balance.


NOTE: Zero balance indicator when empty at least once a day or more as required. If zero balance is not correct it only affects gross weight reading, not accuracy of displayed net weight.

Step 3 Load cart.

Step 4 Press  to begin unloading.

Display reads zero. Arrows point to Net and Unload.

Step 5 Unload cart. Negative reading on scale indicator is pounds unloaded.

Step 6 Press  when unloading is complete.

Indicator displays remaining weight left on scale. Data is automatically added to accumulator and saved to Printer or DDL (data downloader kit).


Repeat Steps 4 - 6 each time cart is unloaded.

Entering Field ID (MODEL 850/1050 CARTS)

A user-entered, 6 character identification number is used for referencing fields, trucks, owners or other information.


Step 1 Press .

FIELD displays and a flashing cursor or character displays in the first position.

Step 2 Press  to scroll available characters.

Hold for 4 seconds to increase scroll rate.

Step 3 Press  to scroll back.

Press  to move to next character.

Step 4 Press  to accept and save.

See GT 400 manual provided and Maintenance section of this manual for additional information.

ELECTRONIC SCALE (GT 460) (MODEL 850/1050 CARTS)

To measure weight, press START/STOP button before and after unloading. Weight, date, time, and additional notes are stored automatically using only the START/STOP button.

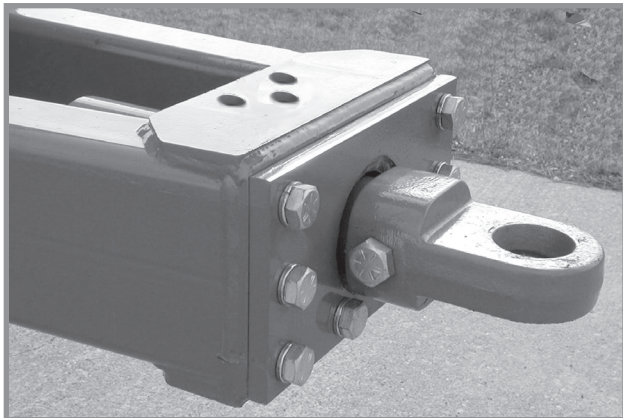
USB Port allows easy data transfer to and from your office PC using a flash drive. Records can be stored for an entire season in the indicator memory and on one 256 Megabyte USB Flash drive.

Provided Grain Tracker software allows generation of a variety of reports on your PC. Reports can be read by programs such as Microsoft Excel, Adobe Acrobat, and Microsoft Internet Explorer.

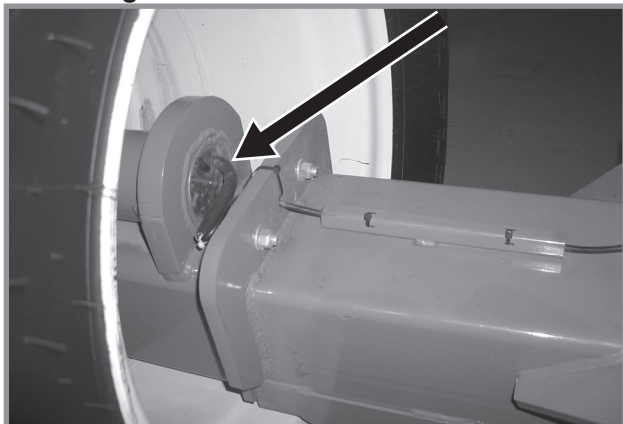
NOTE: Scale is most accurate when cart is sitting still on level ground when weighing.

MODEL 850 WHEELED/SOF-TRED CARTS

850 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



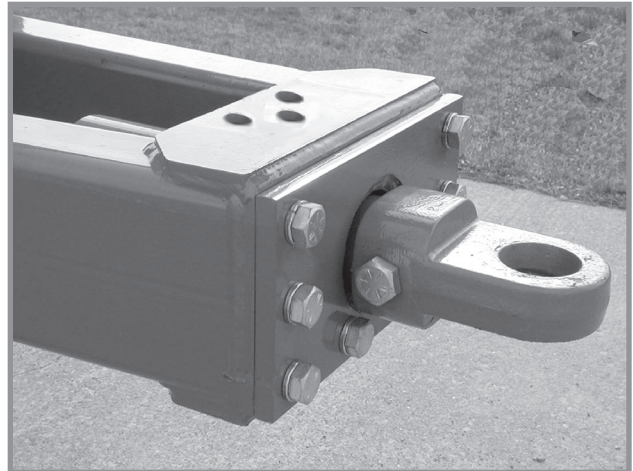
Hitch Weigh Beam



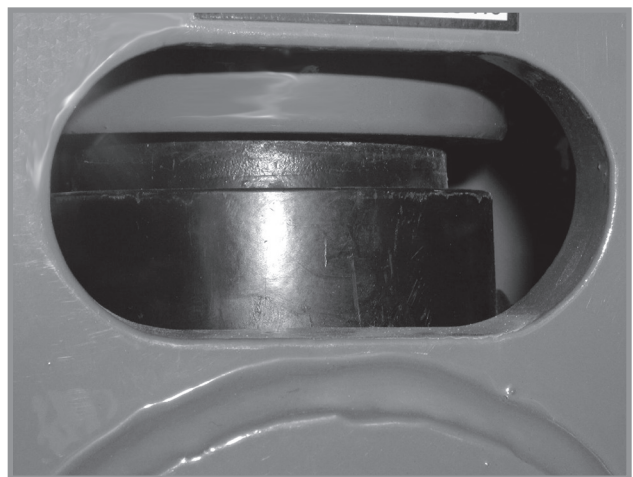
850 Weigh Spindle

MODEL 1050 CARTS

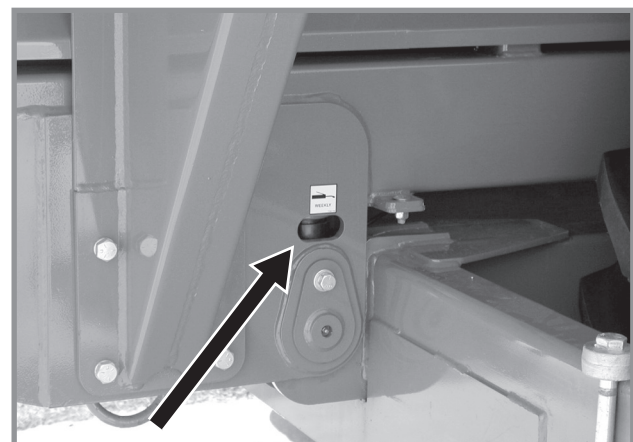
1050 electronic scale option includes two weigh spindles, one hitch weigh beam, a tractor-mounted scale indicator console and cables, brackets, and mounting hardware.



Hitch Weigh Beam



1050 Compression Type Load Cell



1050 Compression Type Load Cell



GT 460 Indicator

NOTE: Indicator must be on active screen as shown above before loading or unloading.

Suggested Operating Procedures

NOTE: Movement of cart causes scale indicator reading to fluctuate.

Step 1 Press **ON**.

Step 2 Press and hold **ZERO** to zero balance if cart is empty.

Step 3 Press **FIELD** to select field name.

Step 4 Press **ID** to select ID.

NOTE: Make sure active screen displays.

Step 5 Press **START STOP** before unloading grain from cart. Scale reads Zero and enters net mode.

Step 6 Unload grain. Upper Display shows amount unloaded. Gross value (total amount left on cart) displays on second line of Lower Display.

Step 7 Press **START STOP** when unloading complete.

See GT 460 manual provided and Maintenance section of this manual for additional information.

Entering Field Names

Note: Field and ID names can be uploaded from a PC using a USB flash drive.

Field names are a maximum of 26 characters long and can be changed using keypad before unloading.

Step 1 Press **FIELD** to modify or select field.

Field number is shown in upper display. Three lines are displayed in Lower Display Window. Top line of the three is current, editable, and is used for next data record.

Step 3 Press **▲** or **▼** to scroll through fields (150 maximum). Hold arrow to scroll faster.

Use **◀** or **▶** to move cursor within data line.

Step 4 Use keypad to enter or update field names.

Press **BACK SPACE** to delete characters to left.

Press **CLEAR** to delete selected character or hold down to delete entire line.

Press **ESC** to reset line to last saved data.

Step 5 Press and release **SHIFT LOCK** for special characters. Then press key with desired special character. Repeat for each special character

Step 6 Press **ENTER** or **FIELD** to exit.

ELECTRONIC SCALE PRINTING OPTIONS

Three printing options are available for use with the electronic scale with print-ready indicator console:

1. Printer connected directly to the indicator console.
2. (GT 460 ONLY) USB Flash Drive to transfer data between indicator and PC with Windows Operating System.
3. Data Downloader Kit which stores information in a downloader module for remote printing using any computer and printer with Windows 98/2000/XP/Vista operating systems. Module stores up to 1600 lines (64K bytes) of load data.

These printing options allow recording of load ID number, time, date, and weight.

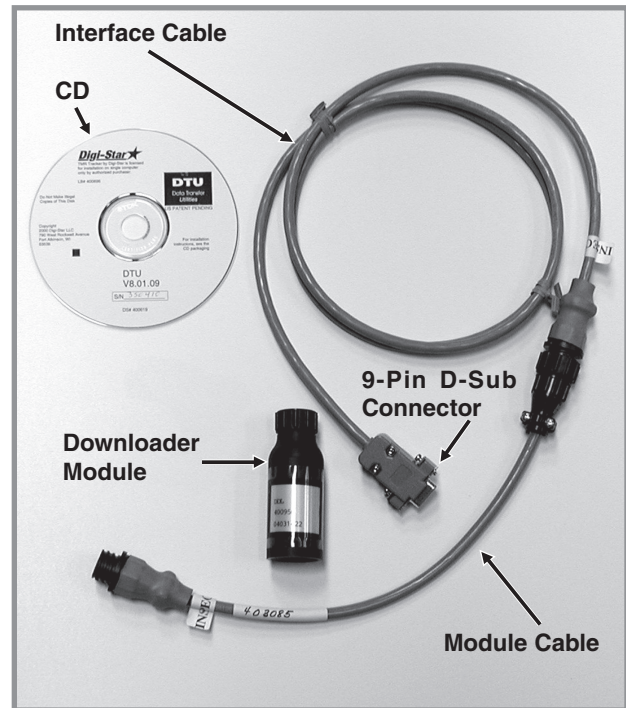
PRINTER OPTION



A power and data cable is included with printer.

See User's Manual supplied with printer for additional information.

DATA DOWNLOADER (DDL) OPTION



The Data Downloader Kit option includes:

1. Module cable to connect indicator to downloader module.
2. Interface cable to connect downloader module to computer serial "com" port.
3. Downloader module which plugs into memory converter cable to store information and into interface cable to print information.
4. Program CD.

The Data Downloader (DDL) stores and transfers data between indicator and a computer.

System requirements:

- Windows 98/2000/XP/Vista Operating System
- Serial Port
- 32 Mb of RAM
- Pentium 100 PC Or Higher
- 100 Mb Of Free Disk
- CD-Rom Drive

Step 1 Insert Data Transfer Utilities software (DTU) into CD-Rom.

Step 2 Connect interface and module cables.

Step 3 Connect interface cable (9-pin D-sub connector) to serial port on your computer.

NOTE: Cable must be securely connected to a COM port to function.

Step 4 Connect module cable to “Serial/J904” port on indicator. Press “PRINT” key. When printing is complete remove module cable only.

Step 5 Fasten downloader module to interface cable.

NOTE: To lock downloader module to interface cable, twist fastener on downloader module.

Step 6 Follow DTU software instructions to transfer data files to a Microsoft Excel spreadsheet (or comparable program):

Step 7 Save scale output to a text file (instructions included with DTU software).

Step 8 With Microsoft Excel open (a) Select “Data” file menu, select “Import External Data”, then “Import Data”. (b) Select text file to be transferred. (c) Text import wizard displays. (d) In original data type section select “delimited” and click NEXT button. (e) In delimiters section select SPACE check box and click NEXT button. (f) Click FINISH.

Step 9 Import to “Existing Worksheet” or “New Worksheet” and click OK.

Step 10 Text file now appears in separate cells and columns.

PRINT ACCUMULATOR

NOTE: Option applies only to carts with serial number 506846 and on.

This option stores an accumulated value in a memory location called “PRTACC”. Each time a “PRINT” command is executed, the weight value on the display is added to the “PRTACC” value.

Three print formats are available:

“PRTAC1” and “PRTAC2” print formats include:

- Scale ID
- Weight
- Weight Tag (Net, Gross, Load/Unload)
- Accumulated Weight
- Print Accumulator Tag
- Date and Time

NOTE: “PRTAC1” displays data on one line and “PRTAC2” displays data on two lines.

“PRTAC3” includes Unit of Measure and Lock-On Status in addition to features listed above and displays data on one line.

Suggested Operation Procedures

Step 1 Press and hold “NET/GROSS” for 3 seconds.

NOTE: “SCALID” is displayed followed by current ID.

Step 2 Use left arrow (PRINT/TARE) and up arrow (NET/GROSS) keys to enter a new Scale ID.

Step 3 Press “ON” to view accumulated data.

NOTE: Press “ZERO” to clear total when accumulated weight is displayed.

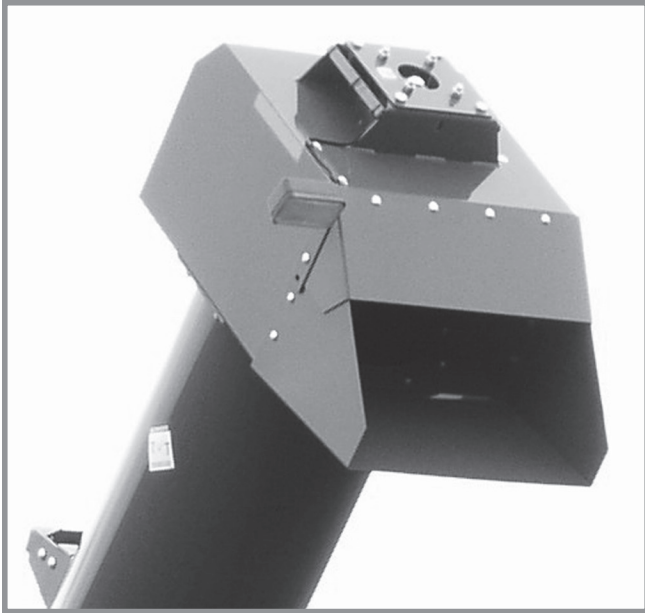
Step 4 Press “ON” to resume weighing.

Step 5 Press and hold “PRINT/TARE” for 3 seconds to send data from serial port and store accumulated data.

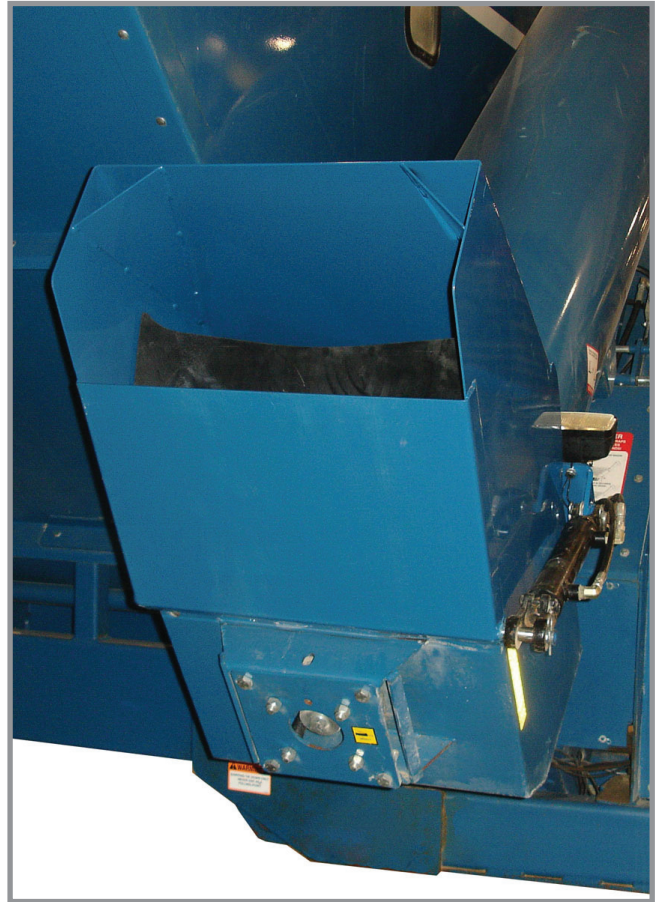
**VERTICAL AUGER WORK LIGHT
(2010 AND PRIOR)**

Bolt pattern around tip extension allows work light to be repositioned on top, front, or bottom of spout.

NOTE: Fold auger to storage/transport position to be sure work light does not hit cart.

**VERTICAL AUGER WORK LIGHT
(2011 ON)**

Work light is mounted in a fixed location and cannot be moved. Limited adjustments can be made by swiveling light on its base.



The following pages show the location of all lubrication points. Proper lubrication of all moving parts will help ensure efficient operation of your KINZE® 50 Series Grain Cart and prolong the life of friction producing parts.

WHEEL BEARINGS (Wheel/Row Crop/Sof-Tred Wagons)



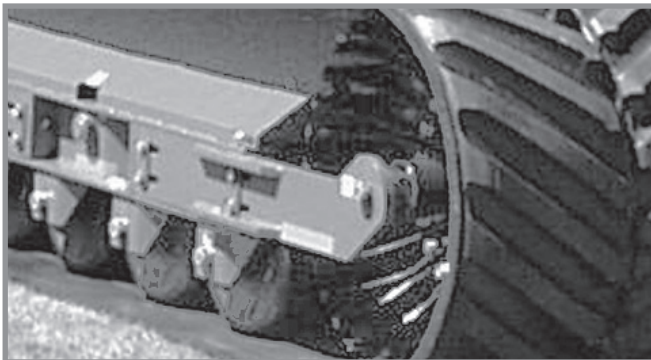
10 Bolt Hub Shown

Wheel bearings should be checked and lubricated annually.

Raise wheel off the ground and remove the dust cap. Check for endplay in the bearings by moving the tire in and out. Rotate the tire to check for roughness in the bearings. If bearings sound rough, the hub should be removed and the bearings inspected and replaced if necessary. See “Wheel Bearing Replacement” in the Maintenance section of this manual.

If bearing replacement is not necessary, while the wheel is raised and the dust cap removed, pump grease into the hub until grease comes out through the bearing rollers. Replace dust cap.

ENDWHEEL AND MIDWHEEL BEARINGS (Sof-Trak Wagon)



Bearings should be checked annually and lubricated weekly during use.

If bearings sound rough, the hub should be removed and the bearings inspected and replaced if necessary. If bearing replacement is not necessary, pump grease into the hub until grease comes out through the seals.

See Maintenance section of this manual if endwheel or midwheel bearing replacement is necessary.

HORIZONTAL AUGER BEARINGS

Bearing hubs should be checked and lubricated annually.

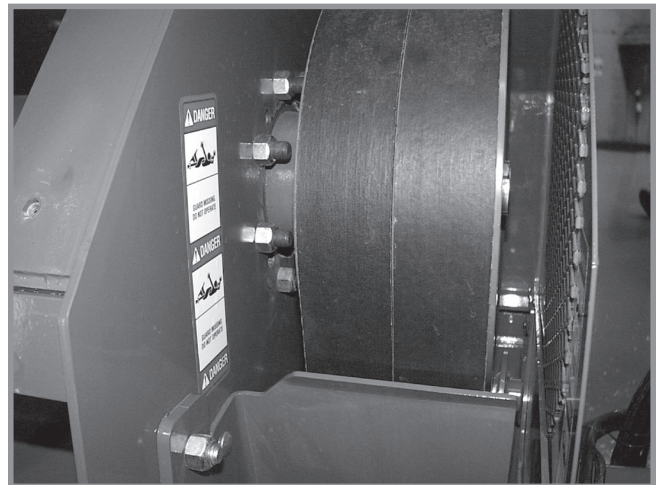
If bearings sound rough, the hub should be removed and the bearings inspected and replaced if necessary. If bearing replacement is not necessary, pump grease into hub until grease comes out through the seals.

NOTICE: Remove any grease purged through grease seal on V-belt side of forward horizontal auger hub.

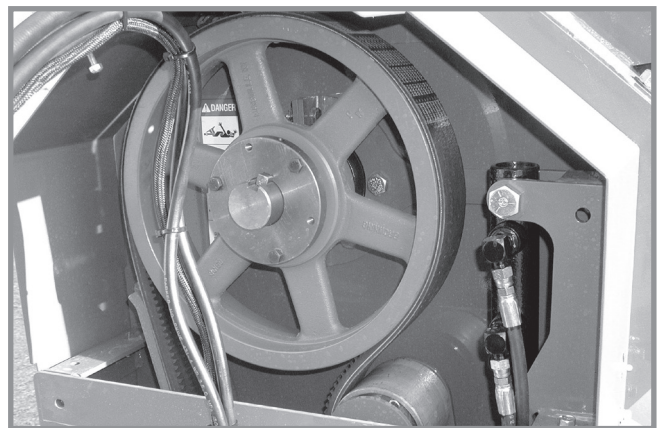
See Maintenance section of this manual if bearing replacement is necessary.

DRIVE BELTS AND PULLEYS

NOTICE: Keep all oil and grease off V-belts and belt pulleys.



Model 1050 Wagon W/4-Band V-Belts (2) Shown



Model 650 Wagon W/4-Band V-Belt Shown

NOTICE: Do not use belt dressing on V-belts.

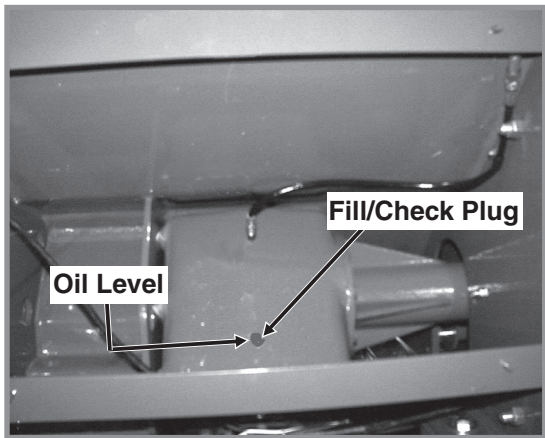
See “V-Belt Tension Adjustment And Alignment” in Maintenance section for additional information.

GEARBOX OIL LEVEL

To check oil level, remove the 7/16" plug from fill/check plug hole on the gearbox shown below. Oil level should be even with fill/check plug hole. Use SAE 90 weight oil. The oil should be inspected at the end of each annual season of use for moisture and contaminants, if found the oil should be changed prior to storage.

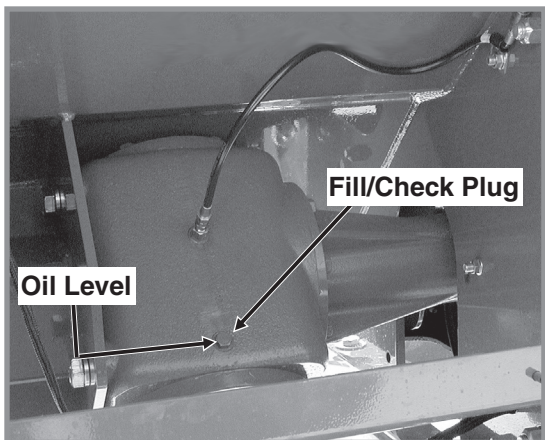
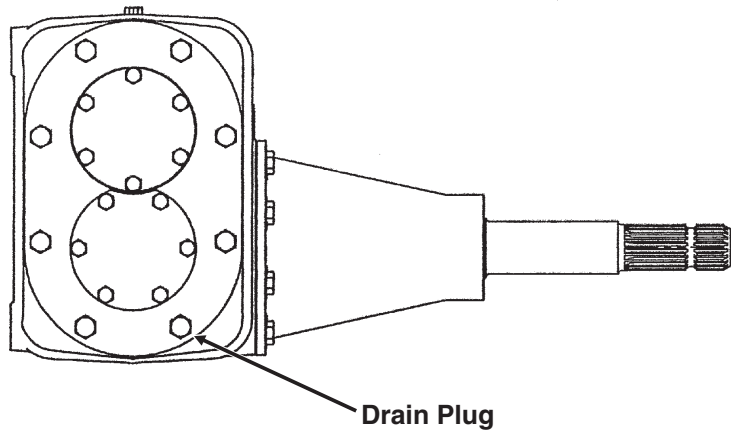
Gearbox Oil Capacities:

| | |
|-----------|---------------|
| 650..... | 1 7/8 Gallons |
| 850..... | 3 1/4 Gallons |
| 1050..... | 4 5/8 Gallons |



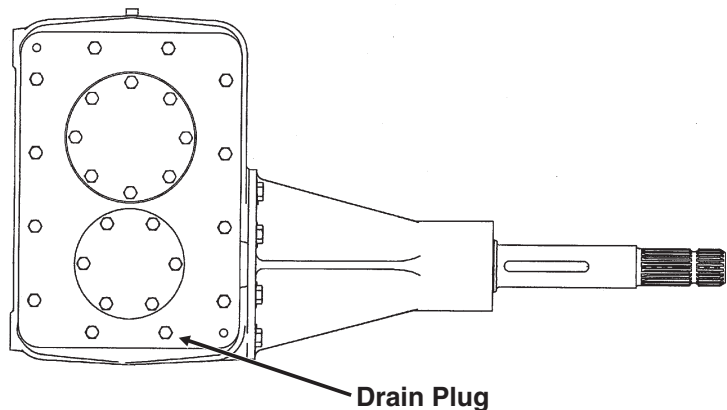
Model 650

(WGN212)

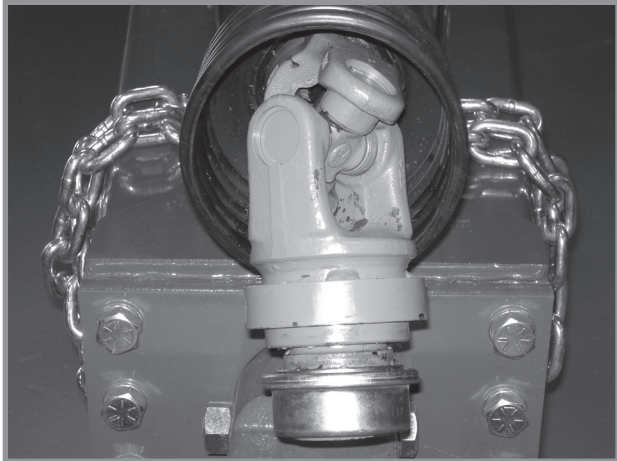


Model 850/1050

(WGN213)



PTO SHAFT COUPLING



NOTICE: The PTO shaft coupling should be cleaned and greased each time the PTO is installed.

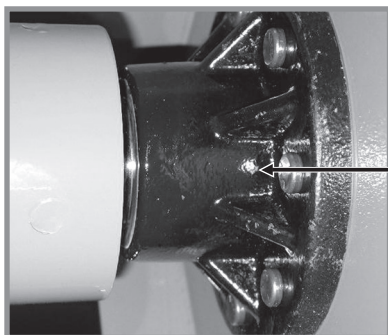
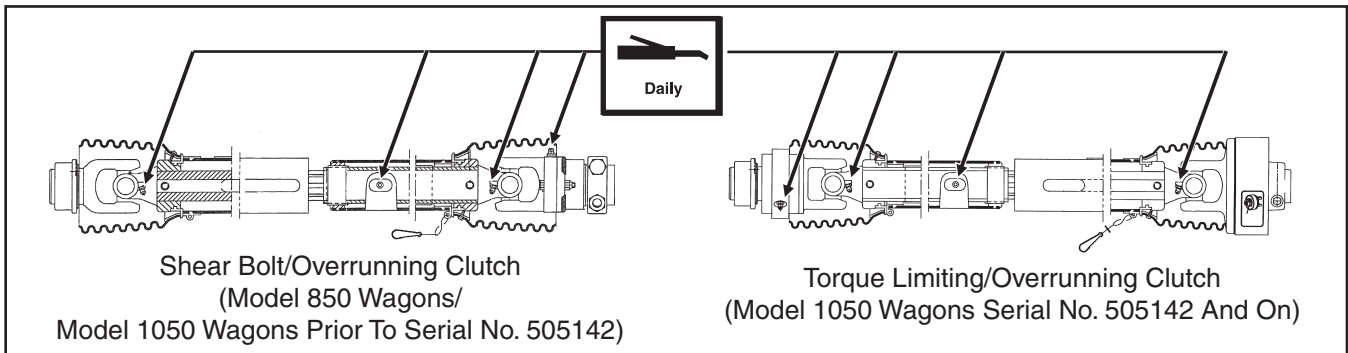
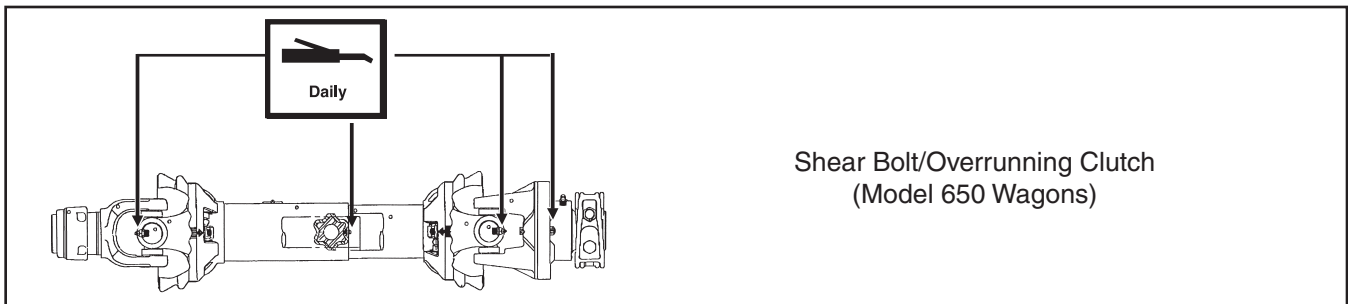
NOTICE: To extend life of shaft splines, apply a coating of high-speed industrial coupling grease, such as Chevron® Coupling Grease, that meets AGMA CG-1 and CG-2 Standards.

(The Chevron® trademark is owned by Chevron Products Company. AGMA is the acronym for the American Gear Manufacturers Association.)

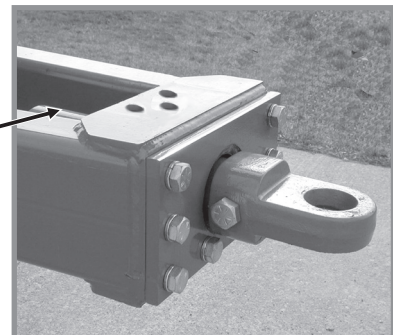
GREASE FITTINGS

Those parts equipped with grease fittings should be lubricated at the frequency indicated with an SAE multipurpose grease. Be sure to clean the fitting thoroughly before using grease gun. The frequency of lubrication recommended on the following pages is based on normal operating conditions. Severe or unusual conditions may require more frequent attention.

NOTE: Disconnect PTO from tractor. Retract PTO assembly and rotate shield to expose grease fitting on PTO slide.

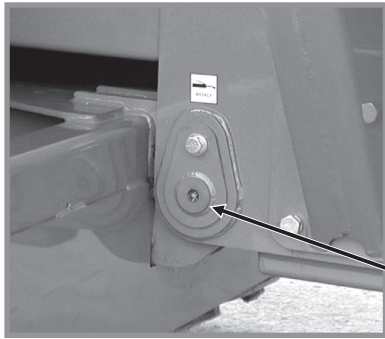


Horizontal Auger Front Hub (Qty. 1)
(Model 1050 Only)

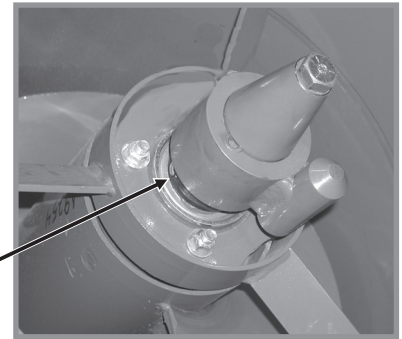


Swivel Hitch (Qty. 1)

NOTICE: Extreme operating conditions such as dirt, temperature or speed may require more frequent lubrication.



Axle Mount (Qty. 4) - Model 1050 Only



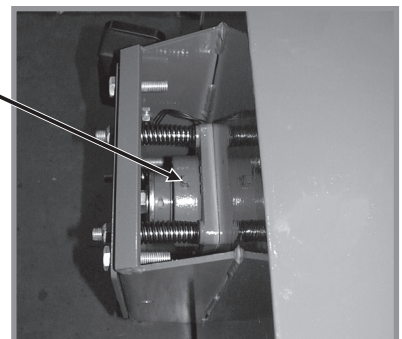
Vertical Auger Center Bearing (Qty. 1)



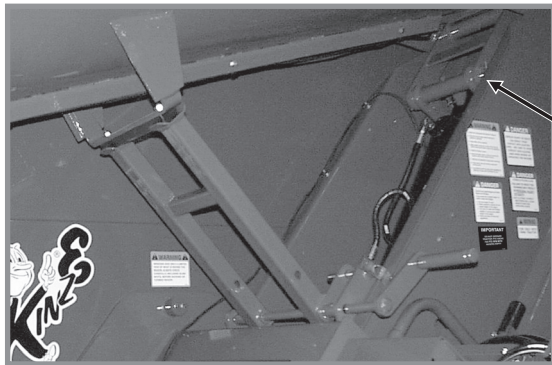
Weekly



Horizontal Auger Idler Pivot (Qty. 1)



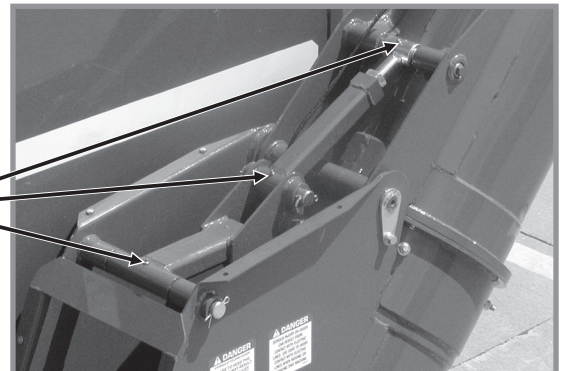
Vertical Auger Upper Bearing (Qty. 1)



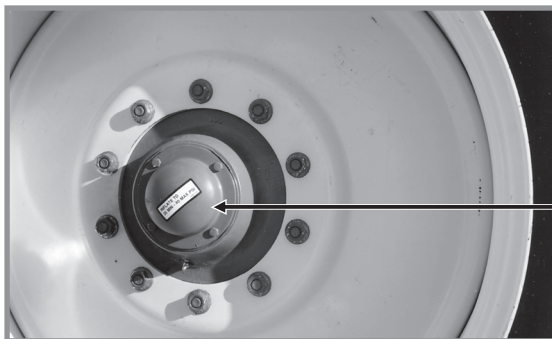
Fold Linkage And Hinge (Qty. 5)
(Model 850/1050 Wagons)



Daily



Fold Linkage And Hinge (Qty. 3)
(Model 650 Wagons)



Wheel/Row Crop/Sof-Tred Wagons (10 Bolt Hub)
Wheel Bearings (Qty. 1 Per Wheel Hub)

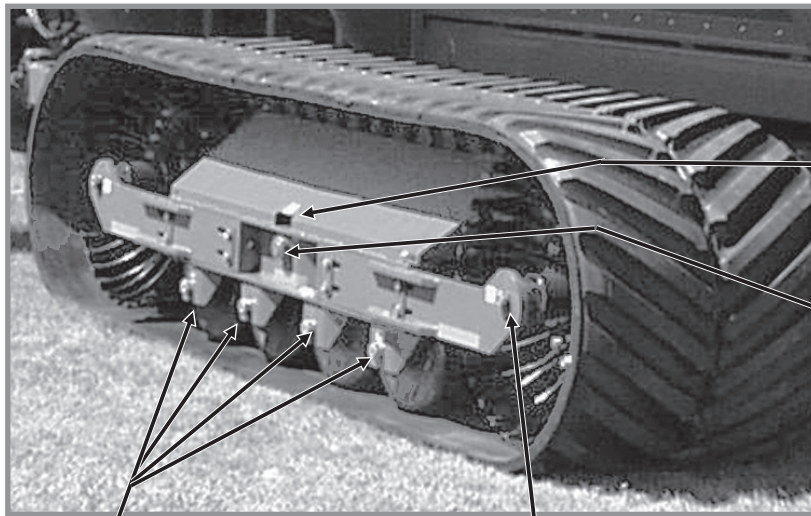


Annually



Sof-Tred Wagons (20 Bolt Hub)
Wheel Bearings (Qty. 1 Per Wheel Hub)

NOTICE: Extreme operating conditions such as dirt, temperature or speed may require more frequent lubrication.



Sof-Trak Wagon



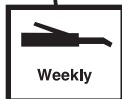
Axle (2 Per Side)



Axle Pin (1 Per Side)

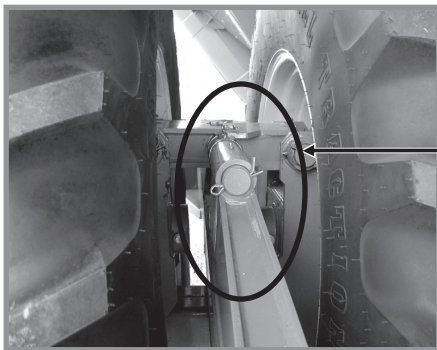


*Mid Wheel Spindle Bolt
(2 Per Mid Wheel Assembly)

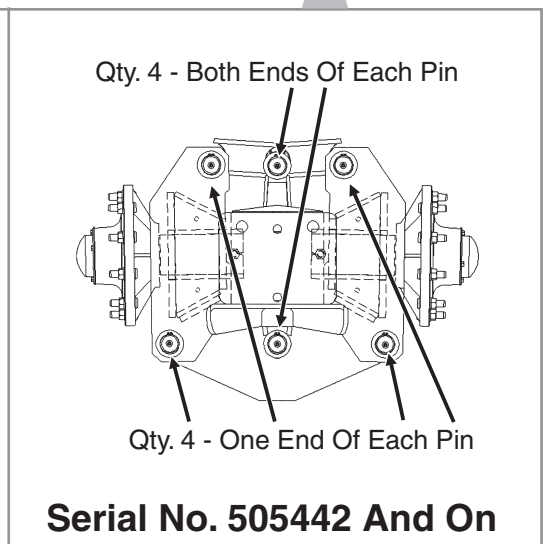
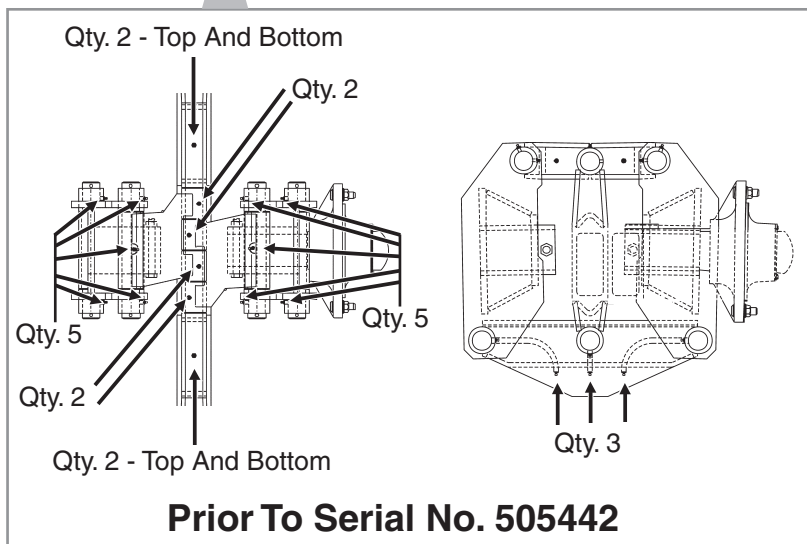
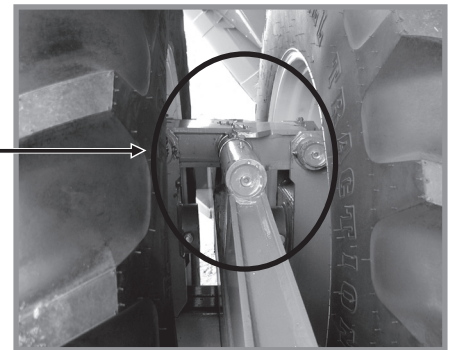


*End Wheel Spindle Bolt
(2 Per End Wheel Assembly)

* Pump grease into hub until grease comes out around the seals.



Row Crop Wagon



NOTICE: Extreme operating conditions such as dirt, temperature or speed may require more frequent lubrication.

MOUNTING BOLTS AND HARDWARE

Before operating the machine for the first time, check to be sure all hardware is tight. Check all hardware again after approximately the first 50 hours of operation and at the beginning of each season thereafter.

All hardware used on the KINZE® wagon is Grade 5 (high strength) unless otherwise noted. If hardware must be replaced, be sure to replace it with hardware of equal size, strength and thread type. Refer to the torque values chart when tightening hardware.

NOTICE: Over tightening hardware can cause as much damage as under tightening. Tightening hardware beyond the recommended range can reduce its shock load capacity.

NOTE: Wheel nuts should be checked daily during the first 3 days of use and weekly thereafter. Torque to 350 ft. lbs. See “Wheel Nuts” in the Maintenance section of this manual.

NOTE: Hardware to attach cast iron segments to the end wheel hubs on Sof-Trak wagons should be torqued to 220 ft. lbs. See “Wheel Nuts” in the Maintenance section of this manual.



GRADE 2
No Marks



GRADE 5
3 Marks



GRADE 8
6 Marks

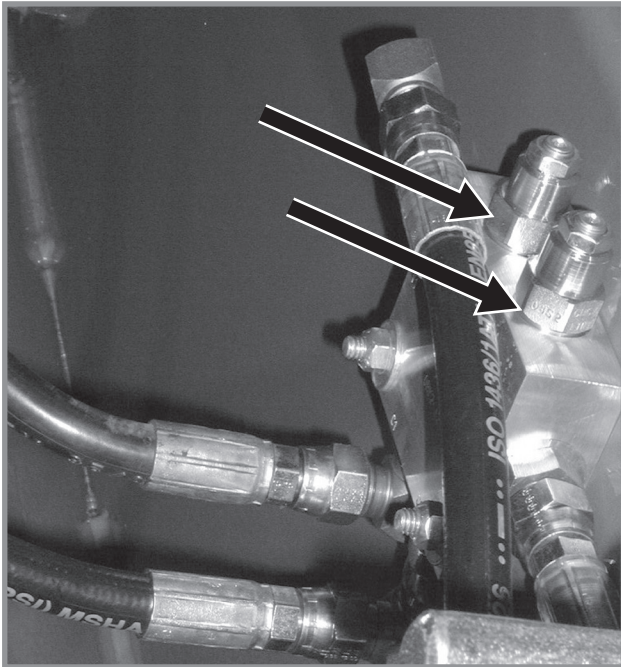
TORQUE VALUES CHART - PLATED HARDWARE

| Diameter | Grade 2 | | Grade 5 | | Grade 8 | |
|----------|-----------|-----------|------------|------------|------------|------------|
| | Coarse | Fine | Coarse | Fine | Coarse | Fine |
| 1/4" | 50 in-lb | 56 in-lb | 76 in-lb | 87 in-lb | 9 ft-lb | 10 ft-lb |
| 5/16" | 8 ft-lb | 9 ft-lb | 13 ft-lb | 14 ft-lb | 18 ft-lb | 20 ft-lb |
| 3/8" | 15 ft-lb | 17 ft-lb | 23 ft-lb | 26 ft-lb | 33 ft-lb | 37 ft-lb |
| 7/16" | 25 ft-lb | 27 ft-lb | 37 ft-lb | 41 ft-lb | 52 ft-lb | 58 ft-lb |
| 1/2" | 35 ft-lb | 40 ft-lb | 57 ft-lb | 64 ft-lb | 80 ft-lb | 90 ft-lb |
| 9/16" | 50 ft-lb | 60 ft-lb | 80 ft-lb | 90 ft-lb | 115 ft-lb | 130 ft-lb |
| 5/8" | 70 ft-lb | 80 ft-lb | 110 ft-lb | 125 ft-lb | 160 ft-lb | 180 ft-lb |
| 3/4" | 130 ft-lb | 145 ft-lb | 200 ft-lb | 220 ft-lb | 280 ft-lb | 315 ft-lb |
| 7/8" | 125 ft-lb | 140 ft-lb | 320 ft-lb | 350 ft-lb | 450 ft-lb | 500 ft-lb |
| 1" | 190 ft-lb | 205 ft-lb | 480 ft-lb | 530 ft-lb | 675 ft-lb | 750 ft-lb |
| 1 1/8" | 265 ft-lb | 300 ft-lb | 600 ft-lb | 670 ft-lb | 960 ft-lb | 1075 ft-lb |
| 1 1/4" | 375 ft-lb | 415 ft-lb | 840 ft-lb | 930 ft-lb | 1360 ft-lb | 1500 ft-lb |
| 1 3/8" | 490 ft-lb | 560 ft-lb | 1100 ft-lb | 1250 ft-lb | 1780 ft-lb | 2030 ft-lb |
| 1 1/2" | 650 ft-lb | 730 ft-lb | 1450 ft-lb | 1650 ft-lb | 2307 ft-lb | 2670 ft-lb |

NOTE: Torque unplated hardware and bolts with lock nuts approximately 1/3 higher than above values. Torque bolts lubricated prior to installation to 70% of value shown in chart.

For metric conversion: Multiply inch pounds (In. Lbs.) by .113 to convert to newtons-meters (N•m).
Multiply foot pounds (Ft. Lbs.) by 1.356 to convert to newtons-meters (N•m).

VERTICAL AUGER COUNTER BALANCE VALVES (Model 850/1050 Wagons)

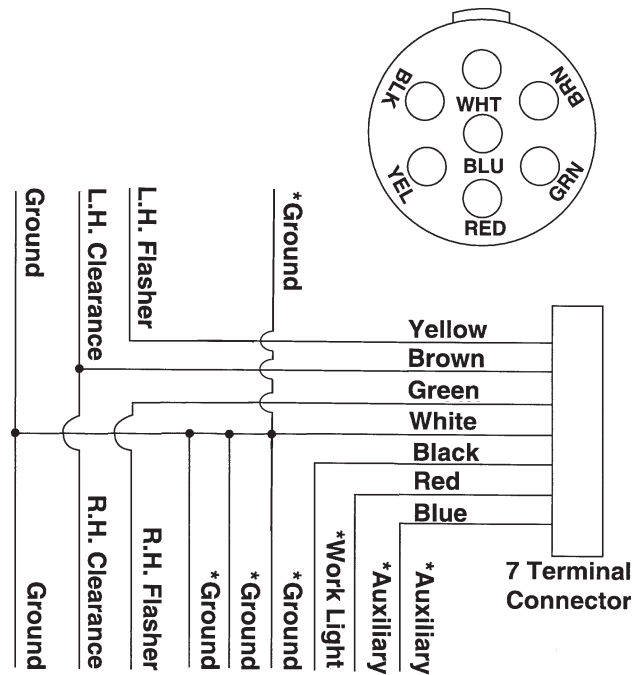


Counter balance valves prevent the auger fold cylinder from extending or retracting without applied hydraulic pressure. If the valve(s) fail to lock the auger in position or fail to function properly, remove the valve(s) from the valve block and check for foreign material. Replace valve if found to be defective.

! WARNING: Release hydraulic pressure from the valve assembly before removing counter balance valves. To release hydraulic pressure, slowly loosen the hydraulic hoses coming into the valve block assembly from the cylinder.

! DANGER: Before applying pressure to the hydraulic system, make sure all connections are tight and hoses and fittings have not been damaged. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin, causing injury or infection.

WIRING DIAGRAM



*Additional auxiliary work lights are available from KINZE® Repair Parts which may be wired into existing auxiliary light wires in the harness. The vertical auger work light is wired into the black terminal connector.

The safety/warning lights standard on 50 Series Grain Carts meet ASAE standards. For the correct wiring harness to be wired into the lights on your tractor, check with the tractor manufacturer.



WHEEL NUTS

The wheels are attached to the hubs with ten press fit studs through the hub flanges and wheel nuts (and ten additional cap screws on 1050 Sof-Tred wagons—Serial number 506295 and on). Upon any removal and installation of the wheel, clean threads with a wire brush and oil lightly to retard corrosion.



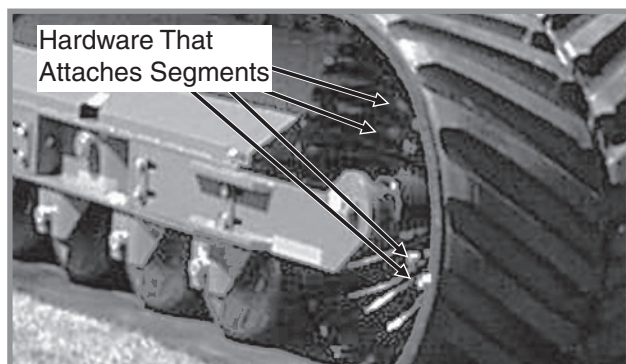
10 Bolt Hub Shown

TORQUE PROCEDURE:

Torque wheel nuts to 350 ft. lbs. and retorque periodically thereafter as follows:

- a. Daily during first 3 days of use.
- b. Weekly thereafter.

NOTE: On Sof-Trak machines equipped with cast iron segmented end wheels, torque the hardware which attaches the segments to the hubs to 220 ft. lbs. Follow the torque procedure above.



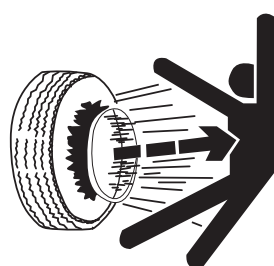
TIRE PRESSURE

Tire pressure should be checked prior to each use of the machine. Maintain tire pressures as follows:

| | Minimum/Maximum |
|---|-----------------|
| 24.5" x 32" 16 Ply R-3 (650 Wagon) | 35 PSI/40 PSI |
| 30.5" x 32" 16 Ply R-1 Or R-3 (650/850 Wheel Wagon) | 35 PSI/40 PSI |
| 66/43.00 - 25 16 Ply R-1 (850 Sof-Tred Wagon) | 35 PSI/40 PSI |
| 1050/50R25 172 LI, R-1 (66" x 43" x 25") (850 Sof-Tred Wagon) | 35 PSI/40 PSI |
| 520/85R38 R-1 (20.8" x 38") (1050 Row Crop Wagon) | 35 PSI/40 PSI |
| 480/80R42 R-1 (18.4" x 42") (1050 Row Crop Wagon) | 35 PSI/40 PSI |
| 1250/45-32 16 Ply R-1 Bias (76" x 50" x 32") (1050 Sof-Tred Wagon) | 25 PSI/35 PSI |



DANGER: Rim and tire servicing can be dangerous. Explosive separation of tire and rim parts can cause serious injury or death.



WARNING: Rim and tire servicing, improper use of rims and tires, or worn or improperly maintained tires could result in a tire explosion. The explosive separation of rim and tire parts

could result in death or serious personal injury.

To prevent tire explosion, do the following:

- Maintain proper tire pressure. Inflating a tire above or below the recommended pressure can cause tire damage.
- Mount tires only by properly trained personnel using proper equipment.
- Replace any tire with cuts or bubbles. Replace any damaged rims. Replace any missing lug bolts and nuts.
- Do not weld or heat wheel assembly. Heating increases tire pressure.

V-BELT TENSION ADJUSTMENT AND ALIGNMENT - STYLE A (Model 850/1050 Wagons)

WARNING: Never operate wagon when inspection cover is removed.

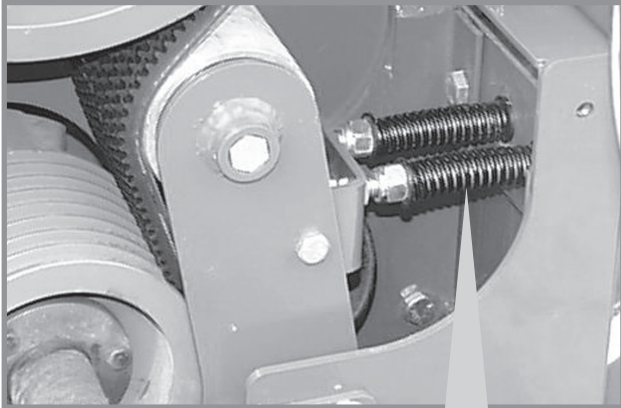
DANGER: Never work around belt drive system or allow anyone else to do so while PTO is running.

NOTICE: Do not use belt dressing on V-belts.

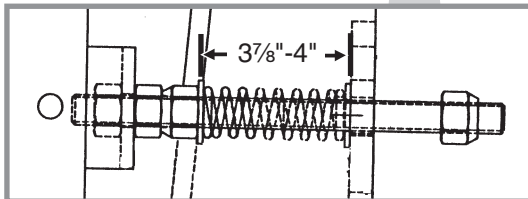
NOTICE: Keep all oil and grease off V-belts and multi-groove belt pulleys.

NOTICE: Low belt tension will reduce belt life.

The V-belts are tensioned by a spring-loaded idler. Two springs are used to maintain even pressure across the V-belts. The spring length between the flat washers on each threaded actuator rod should be equal and maintained at 3 $\frac{7}{8}$ "-4".



Model 1050 Wagon Shown

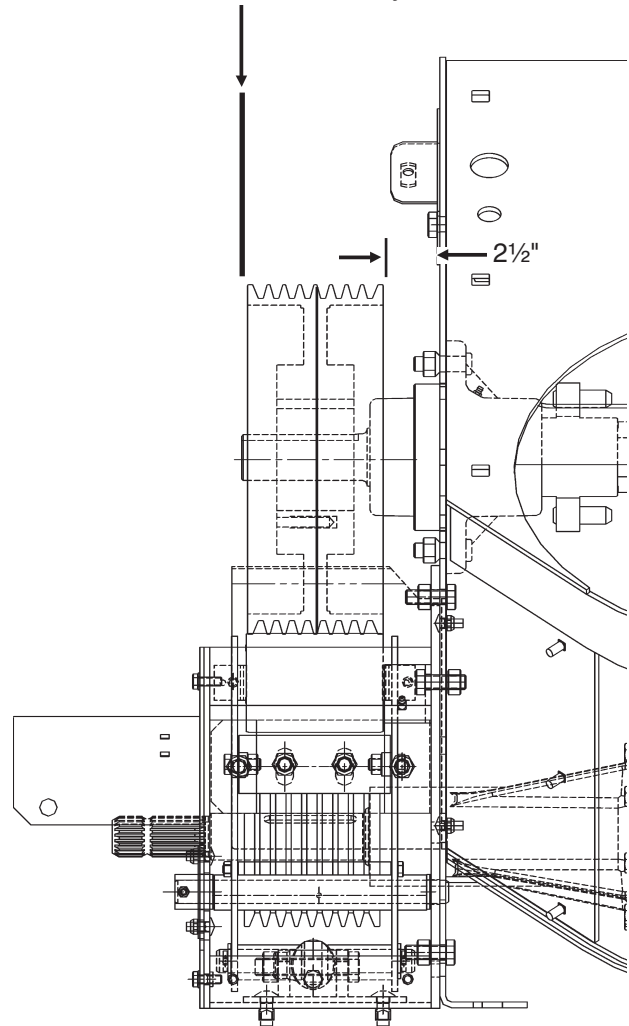


V-Belt Alignment:

1. Pulleys must be aligned with the fixed idler position. Clearance of 2 $\frac{1}{2}$ " must be maintained between rear of belt pulleys and idler.
2. After tightening taper-lock bushing hardware, lay a straight edge across face of the drive and driven belt pulleys to ensure alignment between the grooves on the belts and pulleys and between the idler.

(A9296a)

Lay Straight Edge Across Face Of Drive And Driven Belt Pulleys



NOTE: Pulleys do not need to be loosened to remove/replace V-belts.

NOTE: V-belts should be replaced as a matched pair. See "V-Belt Replacement".

V-BELT TENSION ADJUSTMENT AND ALIGNMENT - STYLE B (Model 650/850/1050 Wagons)

⚠ WARNING: Never operate wagon when inspection cover is removed.

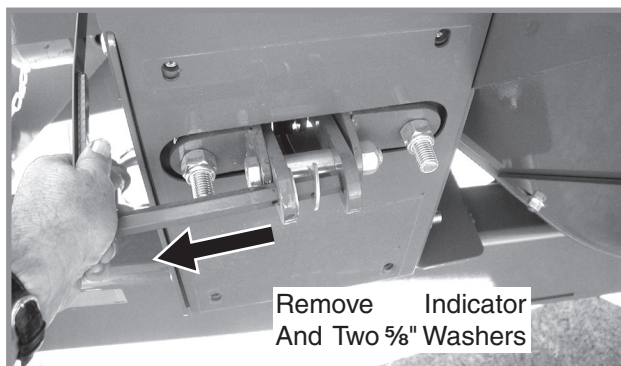
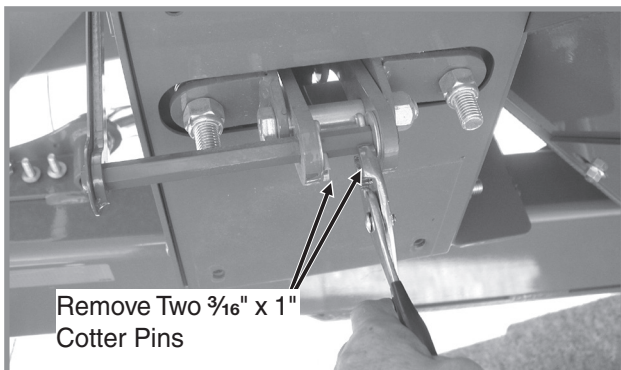
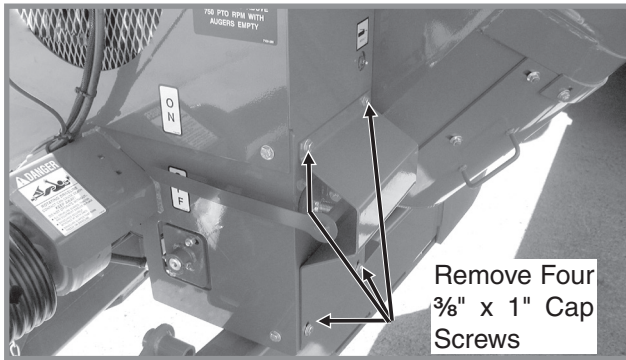
⚠ DANGER: Never work around belt drive system or allow anyone else to do so while PTO is running.

NOTICE: Do not use belt dressing V-belts.

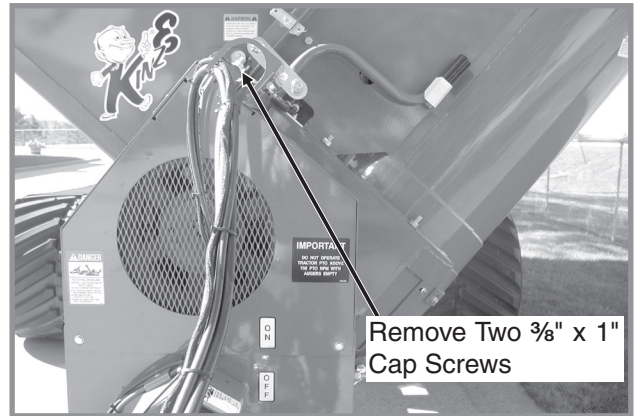
NOTICE: Keep all oil and grease off V-belts and multi-groove belt pulleys.

NOTICE: Low belt tension will reduce belt life.

1. Remove cover and indicator.



2. Remove left side cover.



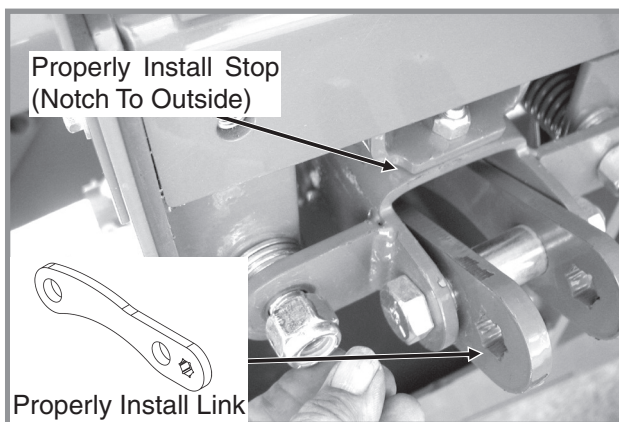
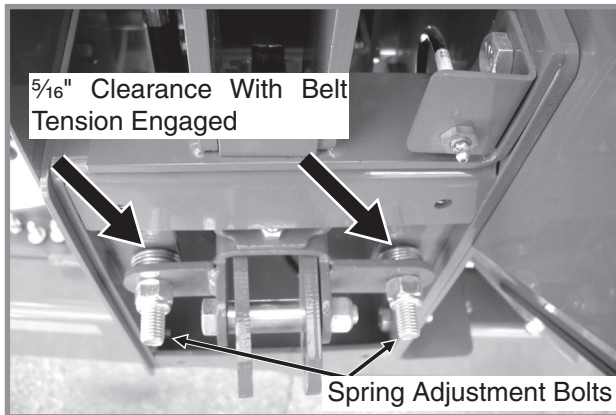
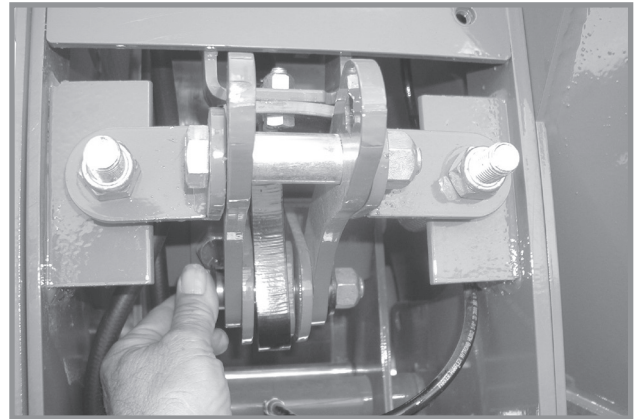
3. Inspect all linkages to make sure all components have been installed correctly and are moving freely.
4. Hydraulically engage the belt tensioner.
5. Check for free space (clearance) on the spring adjustment bolts between washers and mount.

There should be approximately $\frac{5}{16}$ " (or the thickness of two washers) of clearance. Remove washers as required.

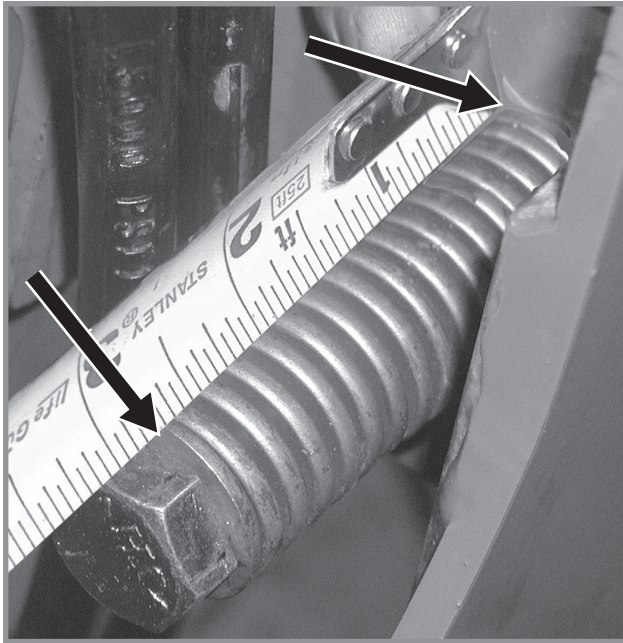
6. To remove washers, proceed as follows.

(a) Hydraulically disengage belt tension. (b) Remove the $\frac{5}{8}$ " locking nuts and remove the spring adjustment bolts far enough to remove the required number of washers. (c) Reinstall washers to head side of the bolt (d) Reinstall locking nut and tighten until nut "bottoms out" on the spring adjustment bolts.

7. After inspection and adjustments have been completed, reinstall side cover, indicator and cover.



The V-belts are tensioned by a spring-loaded idler. Two springs are used to maintain even pressure across the V-belts. Set spring tension at $2\frac{3}{4}$ " as shown below.

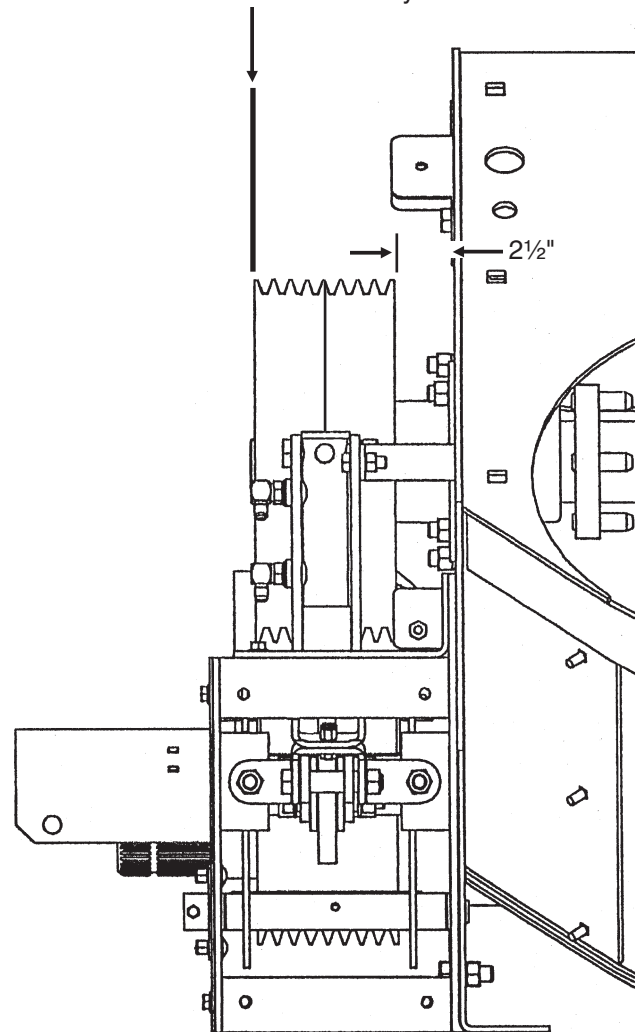


Model 1050 Wagon Shown

V-Belt Alignment:

1. Pulleys must be aligned with the fixed idler position. Clearance of $2\frac{1}{2}$ " must be maintained between rear of belt pulleys and idler.
2. After tightening taper-lock bushing hardware, lay a straight edge across face of the drive and driven belt pulleys to ensure alignment between the grooves on the belts and pulleys and between the idler.

Lay Straight Edge Across Face Of Drive And Driven Belt Pulleys



NOTE: Pulleys do not need to be loosened to remove/replace V-belts.

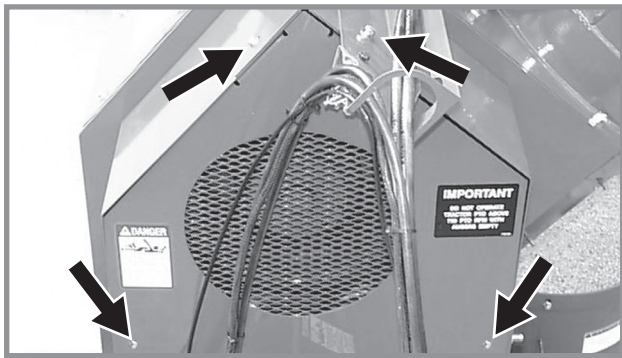
NOTE: (If Applicable) V-belts should be replaced as a matched pair. See "V-Belt Replacement".

**V-BELT REPLACEMENT - STYLE A
(Model 850/1050 Wagons)**

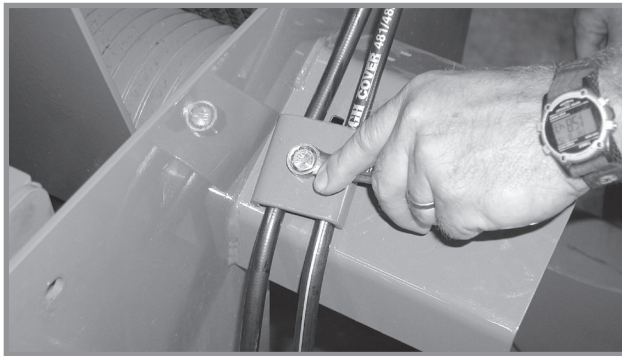
NOTE: Drive and driven sheaves (pulleys) do not need to be loosened to remove/replace belts.

NOTE: Wagon must be attached to a tractor to use hydraulic system in later steps.

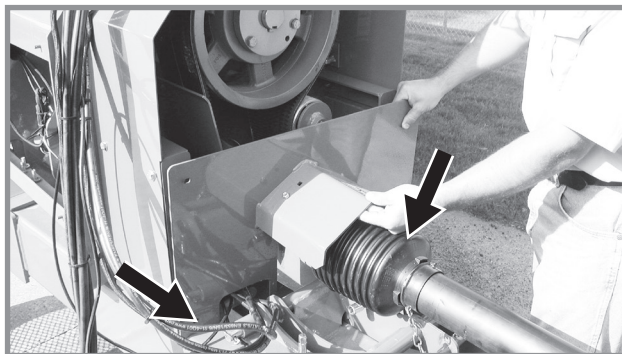
1. Disconnect PTO shaft from tractor.
2. Remove the four hex head cap screws that secure upper front belt housing cover. Remove upper front cover.



3. Remove hose clamp from PTO shaft cover.



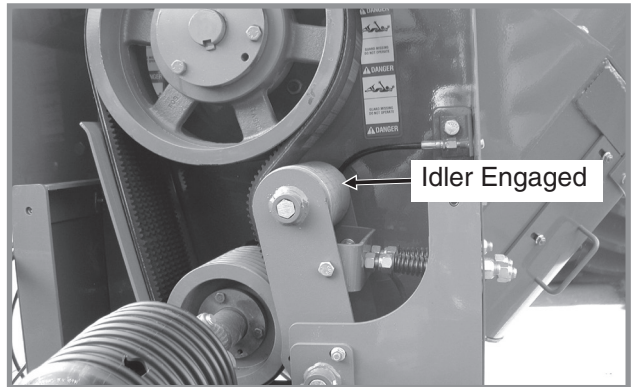
4. Remove the two hex head cap screws on the bottom of the lower front belt housing cover w/PTO shield and remove the cover.



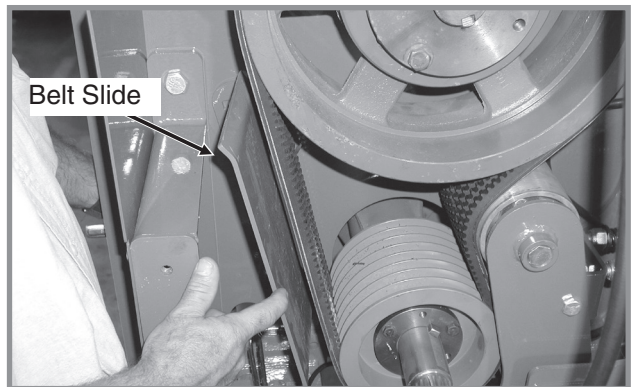
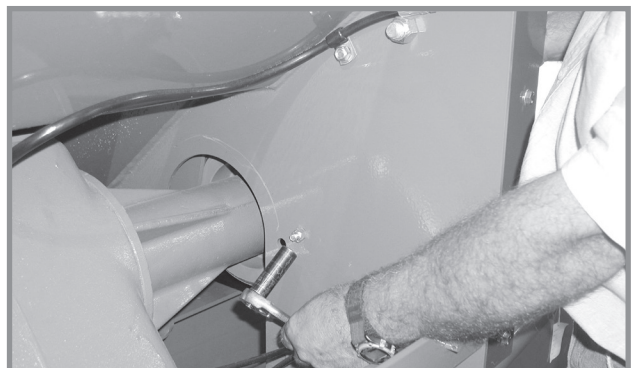
5. Remove L.H. side cover.



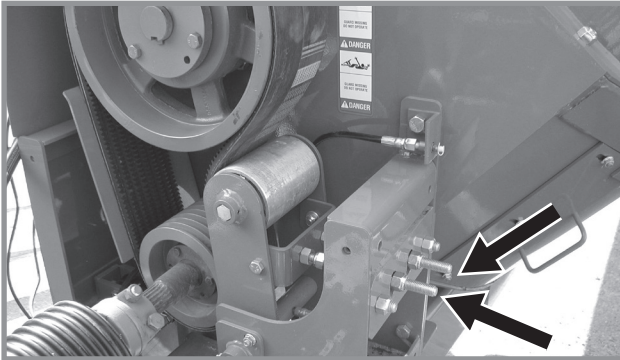
6. Engage the "on demand" drive system by extending the hydraulic cylinder.



7. Loosen two carriage bolts on belt slide to gain clearance for belt removal.



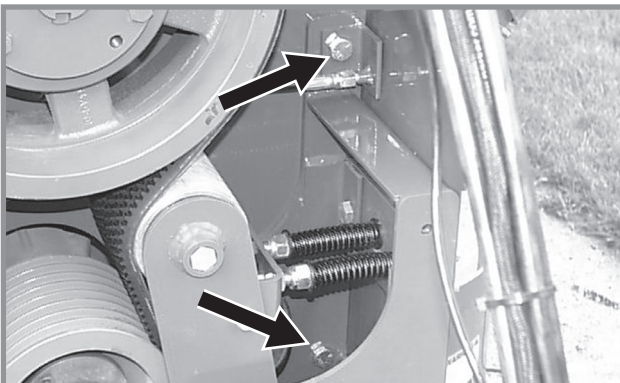
8. Collapse belt tension springs by tightening $\frac{5}{8}$ " nylon lock nuts.



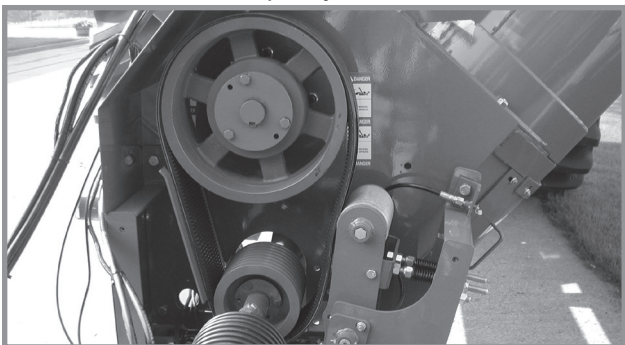
9. Remove dump door.



10. Remove two $\frac{5}{8}$ " bolts which secure the idler assembly to the lower auger housing.



11. Slide idler assembly to the side for clearance to remove belt from lower pulley.



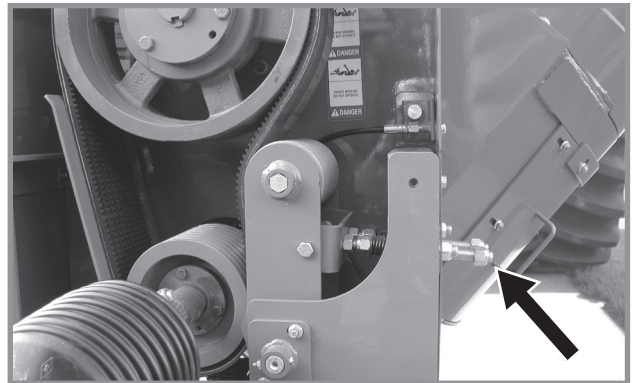
12. Remove belts and install new belts.

NOTE: V-belts should be replaced as a matched pair.

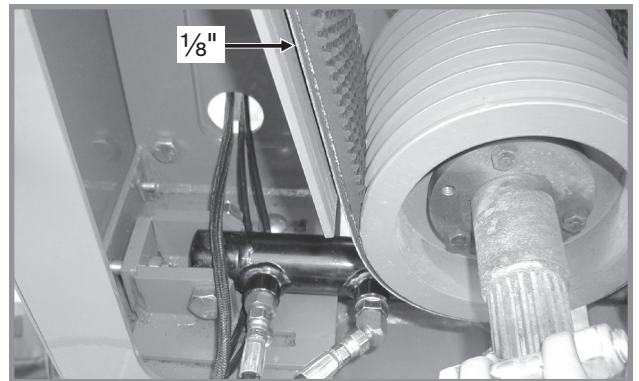
13. Reinstall idler assembly.

14. Install dump door.

15. Release belt engagement by loosening nylon lock nuts.



16. Adjust belt slide to within $\frac{1}{8}$ " of belts when tight.



NOTE: Slide must not contact belts during operation.

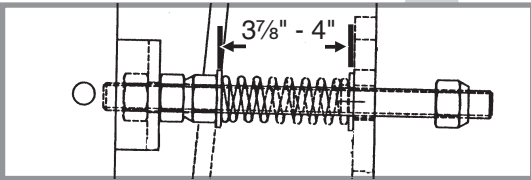
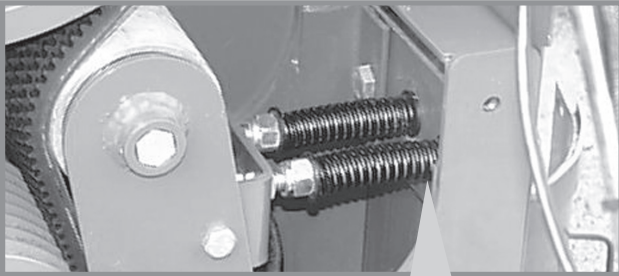
(Continued)

17. Check and adjust belt tension.

NOTE: Do not use belt dressing on V-belts.

NOTE: Keep all oil and grease off V-belts and belt pulleys.

NOTE: Low belt tension will reduce V-belt life.



NOTE: Drive and driven sheaves (pulleys) do not need to be loosened to remove/replace V-belts.

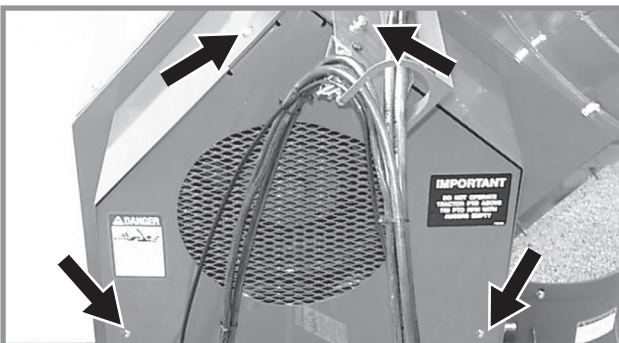
18. **Prior to wagon operation** install all covers removed in previous steps. Cycle hydraulic cylinder, which was engaged in STEP 6, between extended and retracted positions to check proper engagement/disengagement of belt tension idler.

V-BELT REPLACEMENT - STYLE B (Model 650/850/1050 Wagons)

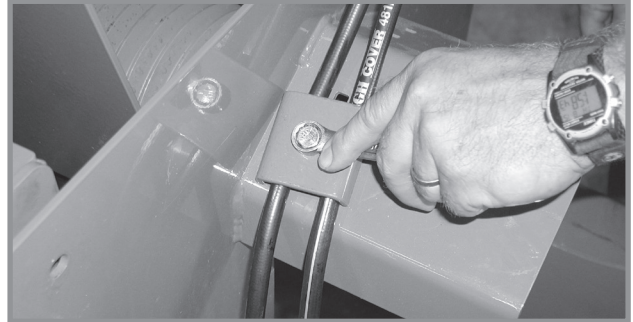
NOTE: Drive and driven sheaves (pulleys) do not need to be loosened to remove/replace belts.

NOTE: Wagon must be attached to a tractor to use hydraulic system in later steps.

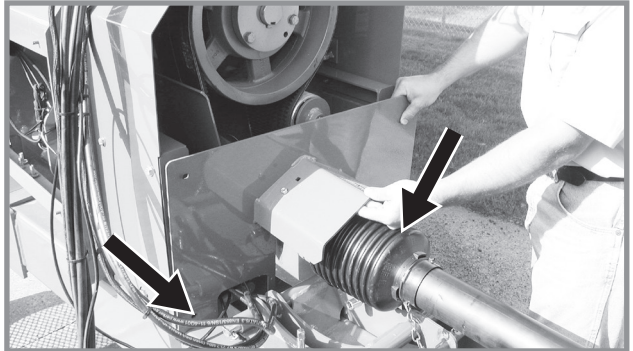
1. Disconnect PTO shaft from tractor.
2. Remove the four hex head cap screws that secure upper front belt housing cover. Remove upper front cover.



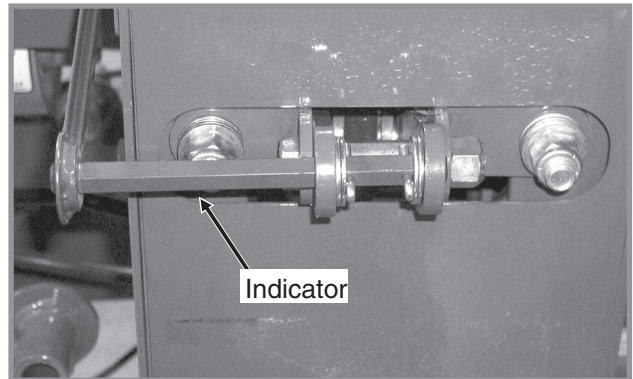
3. Remove hose clamp from PTO shaft cover.



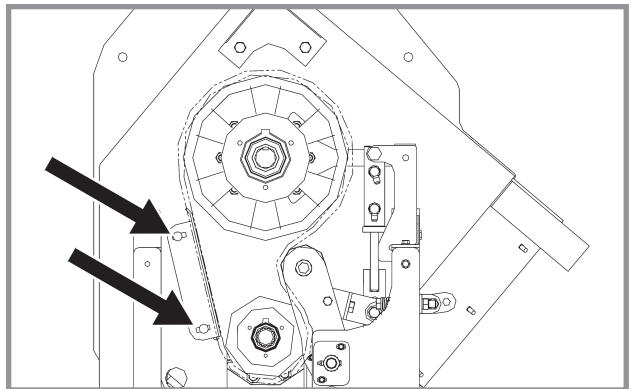
4. Remove the two hex head cap screws on the bottom of the lower front belt housing cover w/PTO shield and remove the cover.



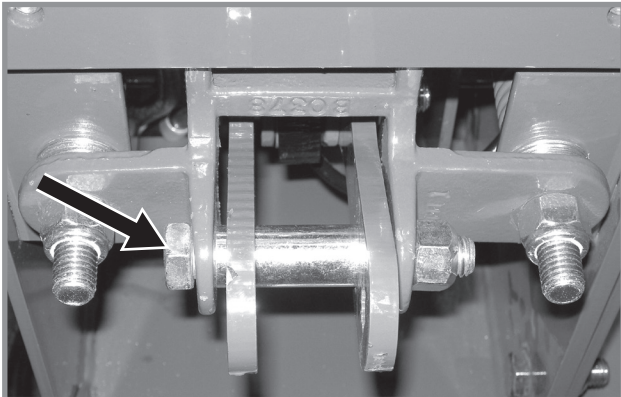
5. Remove tire shield, indicator and L.H. side cover.



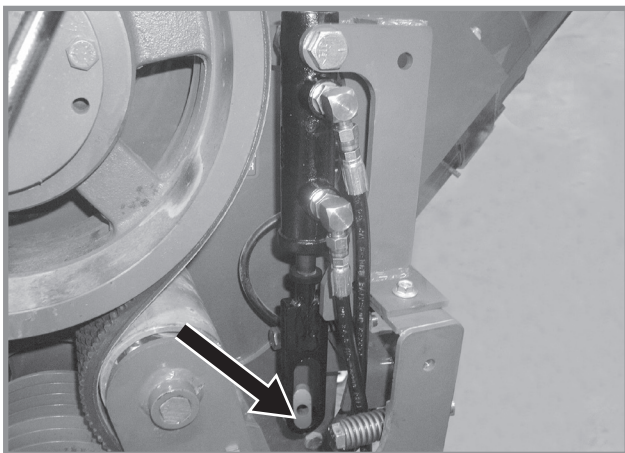
6. Loosen two carriage bolts on belt slide to gain clearance for belt removal.



7. Remove linkage bolt.



8. Push idler assembly away from belt.



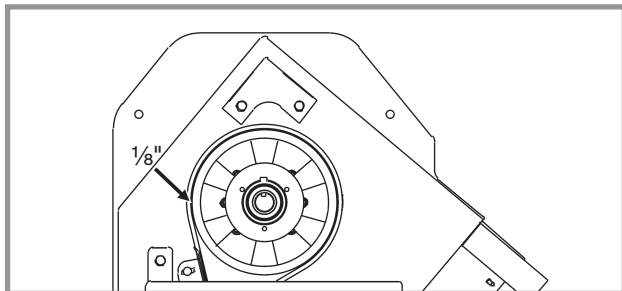
9. Remove belts and install new belts.

NOTE: 850/1050 V-belts should be replaced as a matched pair.

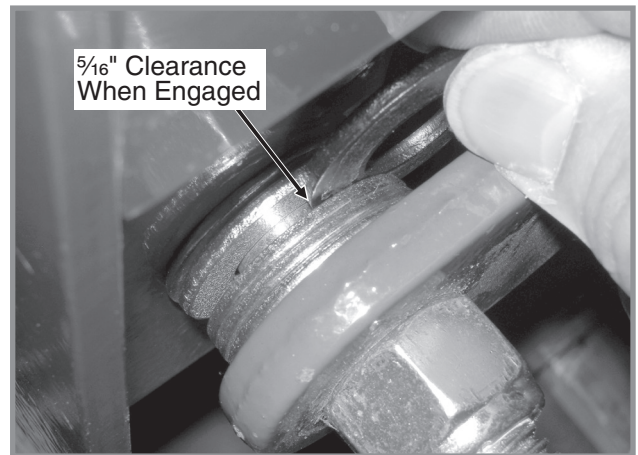
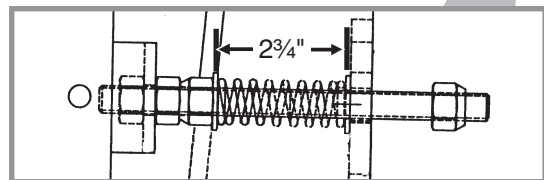
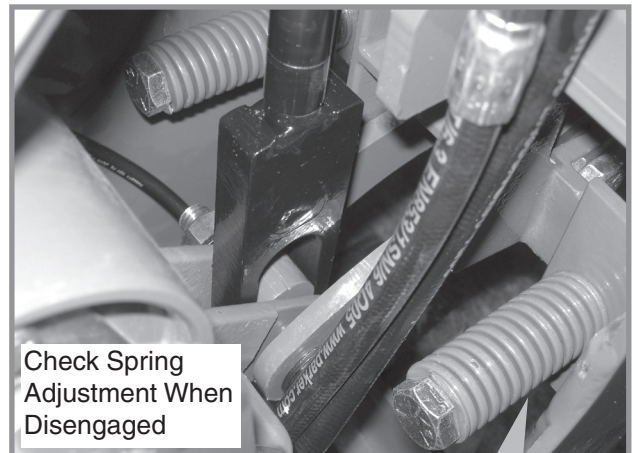
10. Reinstall linkage.

11. Adjust belt slide to within 1/8" of belts when tight.

NOTE: Slide must not contact belts during operation.



12. Check and adjust spring dimension. See "V-Belt Tension Adjustment And Alignment" on page 8-4.



NOTICE: Do not use belt dressing on V-belts.

NOTICE: Keep all oil and grease off V-belts and belt pulleys.

NOTICE: Low belt tension will reduce V-belt life.

13. **Prior to wagon operation** install all remaining parts in reverse order as removed in previous steps.

DRIVELINE INSPECTION

To ensure long life and dependable service from your auger wagon, the driveline should be **inspected after approximately the first 20 loads, at the beginning of each season, and after every 150 loads or annually thereafter.**

Remove inspection cover and proceed as follows:

- Make a general inspection of driveline looking for loose hardware.
- Inspect belt alignment and tension. See “V-Belt Tension Adjustment And Alignment” in the Maintenance section of this manual.
- Inspect the three cap screws in each belt pulley bushing and tighten evenly to torque specifications.
- Inspect pulley drive keys making sure they are properly located and tight.
- Inspect all grease hoses for damage and proper routing.
- Lubricate all grease fittings. See Lubrication section of this manual.
- Check gearbox oil level.
- Inspect bearings and seals in gearbox.
- Inspect PTO attaching hardware and safety shields.
- Repair or replace worn or damaged parts.

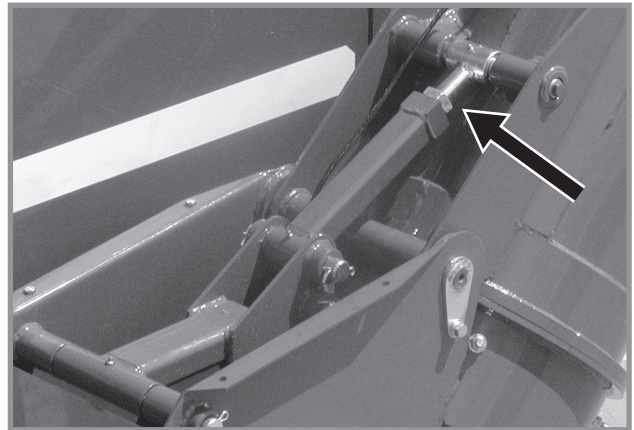
VERTICAL AUGER FOLD ADJUSTMENT (Model 650 Wagon)

Model 650 vertical auger fold is preset and should require no additional adjustment. However, adjustment may be necessary if the auger housing or cylinder are replaced.

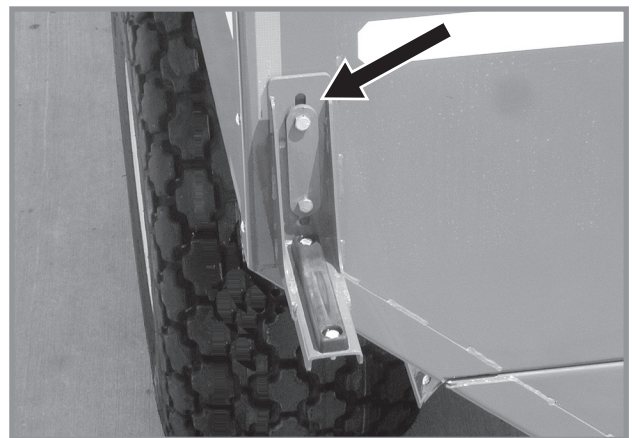
When properly adjusted, the folding linkage should “snap” over-center at the end of the extended stroke of the cylinder. This over-center action holds the unloading auger in position without the need for hydraulic pressure on the cylinder.

⚠ DANGER: Stand clear when folding auger.

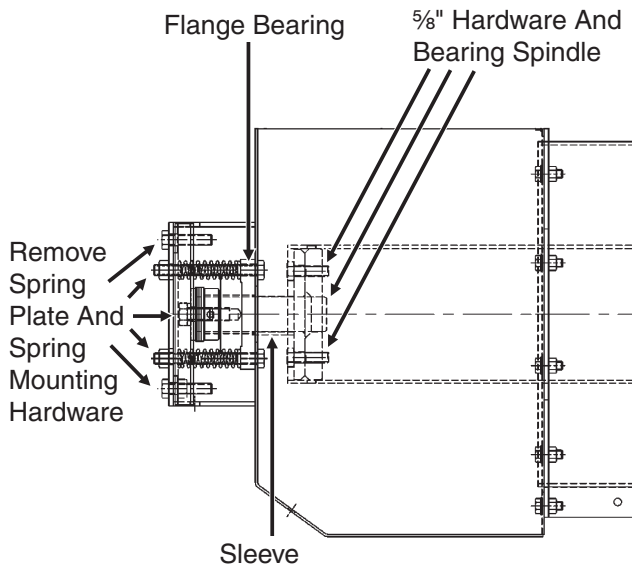
To adjust the folding linkage, loosen jam nut, remove pin from one end of linkage arm and rotate the arm in or out as required.



If the linkage arm is adjusted, the auger housing stop bracket (located on the grain tank and used when the auger is folded for transport) will need to be adjusted.



UPPER VERTICAL AUGER REPLACEMENT



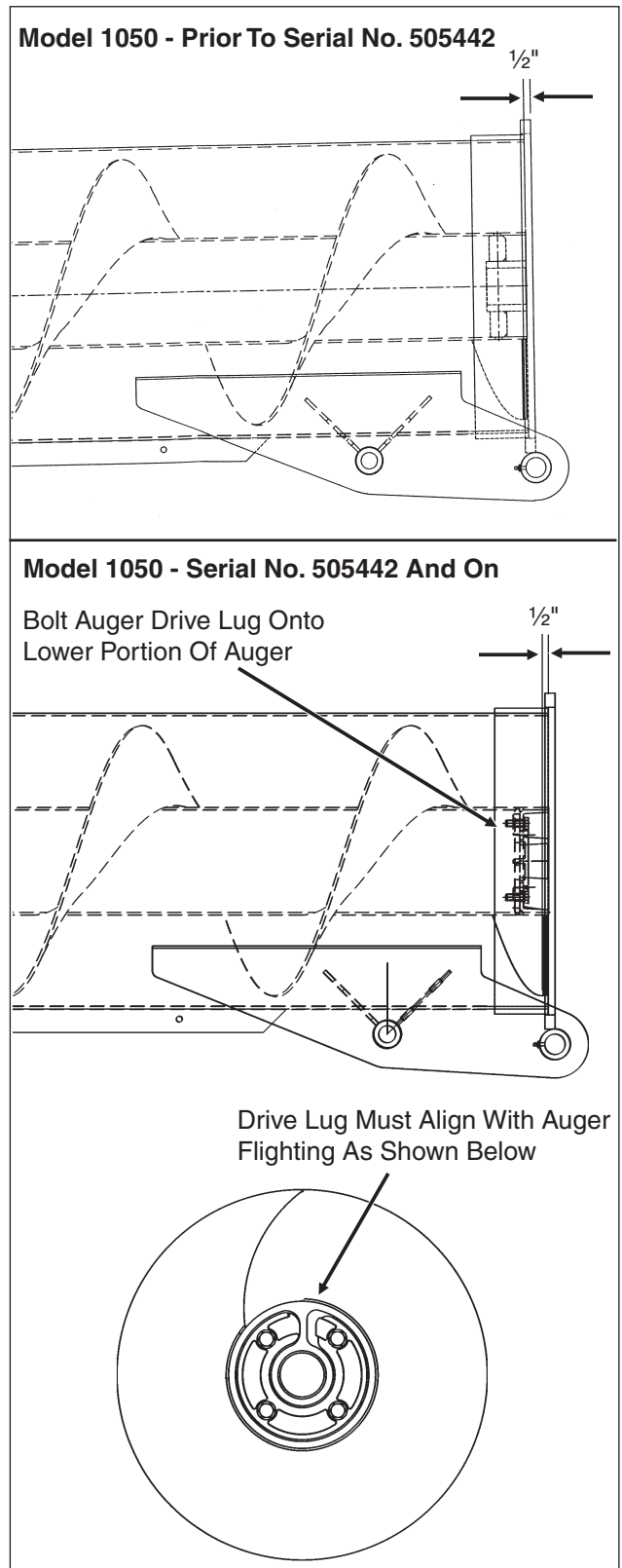
Position the vertical auger in a horizontal position as illustrated.

Remove 3/4" hardware from center of bearing, 5/8" spring plate hardware and 5/8" spring mounting hardware. Remove spring plate, flange bearing and sleeve.

Pull auger out of the bottom of the auger housing.

Remove 5/8" hardware securing bearing spindle and remove bearing spindle.

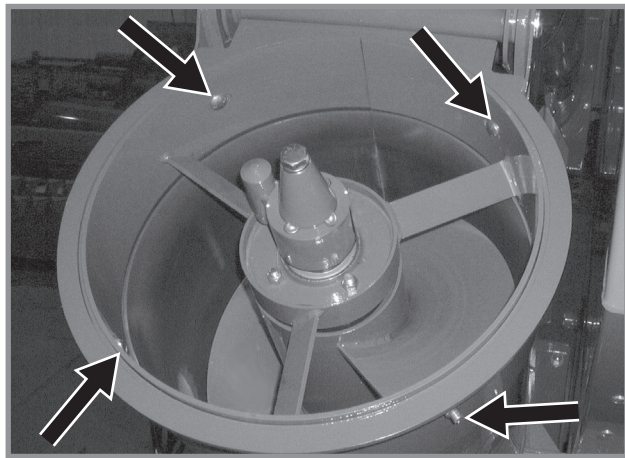
Install bearing spindle onto replacement auger. Install replacement auger inside auger housing. Locate auger with 1/2" (See Illustration) between bottom of hinge plate and end of auger assembly.



Reinstall sleeve, flange bearing and spring plate.

No additional auger timing is needed if drive lug, in lower portion of auger, is oriented properly. (If Applicable)

LOWER VERTICAL AUGER REPLACEMENT

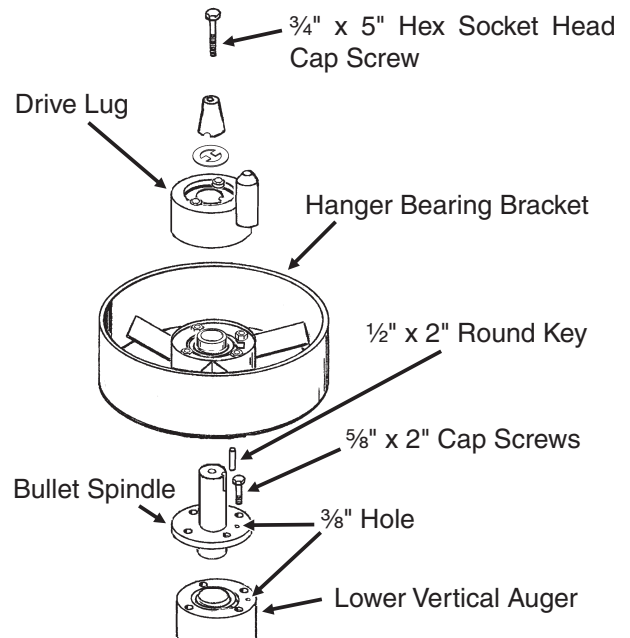
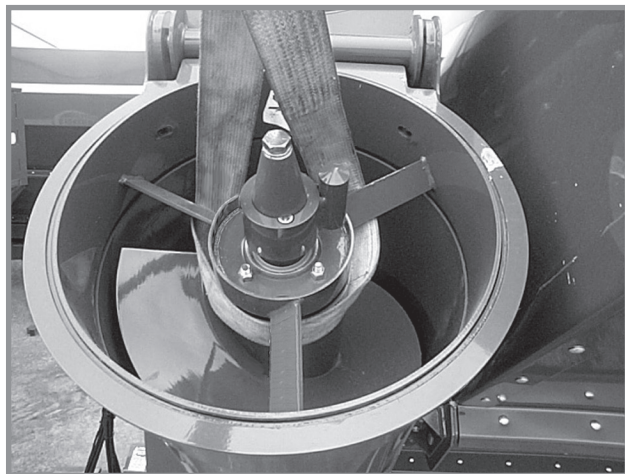


Position the vertical auger in the storage/transport folded position as shown.

Remove the four 1/2" x 1 1/2" hanger bearing bracket carriage bolts at the upper end of the lower vertical auger. Carefully work the hanger bearing bracket loose from auger housing.

Position a strap around the auger as shown below. Be sure the strap is tight against the auger center tube. Pull the auger and hanger bearing assembly out of the auger housing.

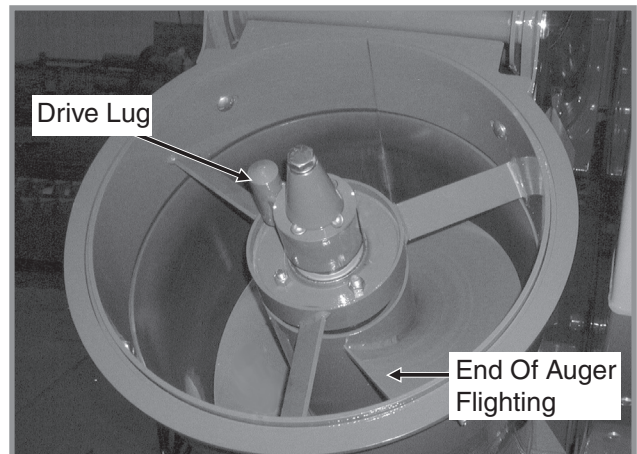
NOTICE: Caution should be used not to bend the hanger bearing bracket.



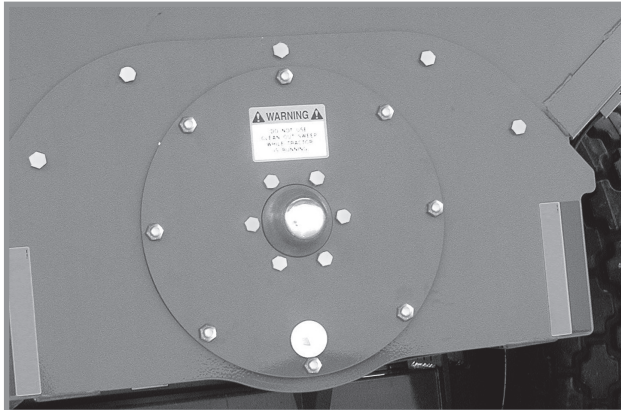
Remove 3/4" x 5" cap screw at top of lower vertical auger and remove hanger bearing bracket components from auger. After removal of auger from tube, remove four 5/8" x 2" cap screws that attach bullet spindle to the top of the lower vertical auger. Install bullet spindle onto top of replacement auger aligning 3/8" hole in auger with 3/8" hole in bullet spindle. Position hanger bearing bracket components onto top of replacement auger. Torque 3/4" x 5" cap screw at top of lower auger to 200 ft. lbs.

Lower replacement auger into lower auger housing and onto lower drive lugs. Position hanger bearing bracket with the split in the bracket in "up" position. Install four hanger bearing carriage bolts and nuts and tighten.

Drive lug should be positioned approximately 120° or 180° around from the end of the auger flighting as shown below.



HORIZONTAL AUGER REPLACEMENT



Model 650 Wagon



Model 850/1050 Wagons

Remove cap screws and lock nuts (8 on 650; 10 on 850/1050) that secure the rear inspection cover and remove the inspection cover and bearing hub assembly.

Pull the horizontal auger through the opening at the rear of the wagon.

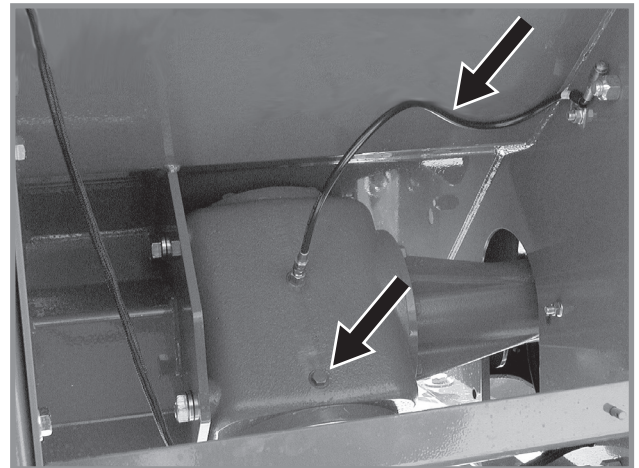
Install replacement horizontal auger with full pitch portion of auger to the front and half pitch portion of auger to the rear of the wagon. The auger pilot plate on the front of the auger has one 3 $\frac{3}{8}$ " pilot hole and four 3/4" drive pin holes. The auger pilot plate at the rear of the wagon has one 2" pilot hole and three 3/4" drive pin holes.

Check to ensure the auger engages the drive pins at front and rear. Check the rear spindle, hub and bearings for roughness or wear. Replace worn or damaged parts and readjust bearing preload if necessary. Assemble hub with spindle into the rear inspection cover.

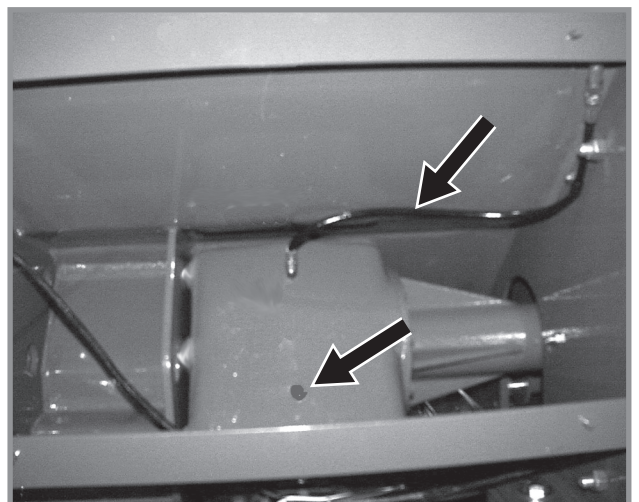
Reinstall inspection cover, making sure drive pins on the rear bearing hub engage the mating auger holes properly. Torque hardware to specifications.

Timing of the horizontal auger is not required.

GEARBOX



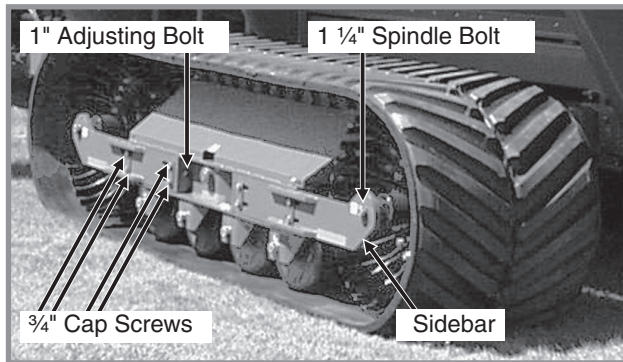
Model 650 Wagon
Photo Shown With Gearbox Cover Removed



Model 850/1050 Wagons
Photo Shown With Gearbox Cover Removed

The hose coming from the upper hole in the gearbox is equipped with a relief fitting which acts as a breather. The lower hole on the gearbox is used to check oil level or to add oil. Oil level should be even with the plug hole. See "Gearbox Oil Level" in Lubrication section of this manual for oil specifications and capacities.

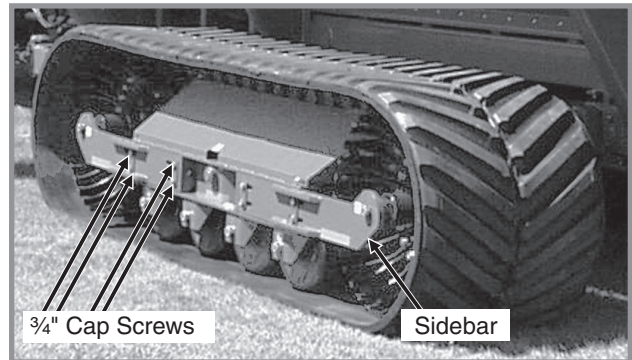
A drain hole is located on the opposite side (bottom) of the gearbox.

TRACK TENSION (Sof-Trak Wagon)**Model 1050 Wagon With 36" Sof-Trak Shown**

There should be approximately 1" to 2" sag in the track at the midpoint between the front and rear end wheels. To check for proper tension, lay a straight edge across the complete length of the track. Measure the distance between the track and the straight edge at the midpoint.

NOTE: It is normal for the centering lugs, on 36" tracks, to lightly touch the bottom of the channel at the top center of the track chassis.

If adjustment is needed, loosen the four 3/4" attachment cap screws on the inside sidebar and the four 3/4" attachment cap screws on the outside sidebar on one end (front or rear) of the track assembly. Turn the 1" adjusting bolt on the end of each sidebar in or out equal amounts according to the adjustment needed. Retighten the four 3/4" cap screws on each sidebar. Torque attachment hardware to 220 ft. lbs. For additional adjustment it may be necessary to repeat the above procedure on the opposite end of the track assembly.

TRACK ALIGNMENT (Sof-Trak Wagon)**Model 1050 Wagon With 36" Sof-Trak Shown**

When properly aligned, the track centering lugs should run centered between the end wheel segments as the lugs enter the end wheels when the tracks are rotated. Proper track alignment is important and should be **checked daily** to ensure maximum life of the tracks.

Misalignment may cause rubbing between the guide lugs on the track and the end wheel segments.

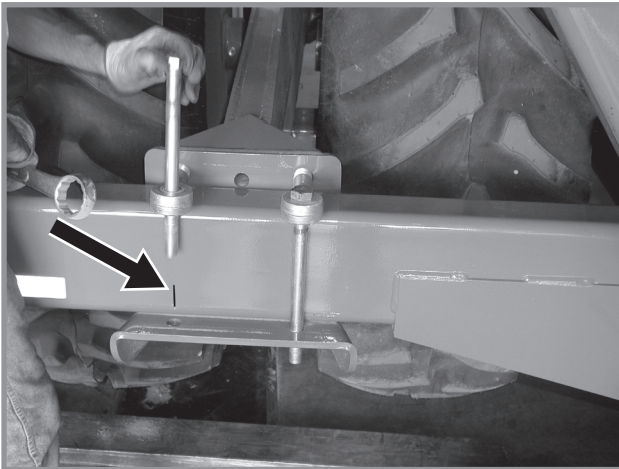
Alignment adjustment is made by loosening the four 3/4" attachment cap screws on each sidebar and extending or retracting the sidebar(s) until proper alignment is obtained. Extending the sidebar (turning 1" adjusting bolt clockwise) closest to the end wheel showing evidence of misalignment or retracting the sidebar (turning the 1" adjusting bolt counterclockwise) on the end wheel on the opposite side will move the centering lugs away from the end wheel. Retighten the four 3/4" cap screws on each sidebar. Torque attachment hardware to 220 ft. lbs. Tighten inside and outside sidebars equally.

INSIDE TIRE REPAIR OR REMOVAL (Row Crop Wagon)

In order to repair or remove the inside tire on the Row Crop wagon, the complete tire/axle assembly on that side of the wagon must be removed.

NOTICE: If there is grain in the wagon, it must be unloaded before axle/tire removal.

Make sure the wagon is on level ground that is firm enough to support the weight of the wagon while the wagon is raised. Hitch the wagon to a tractor to stabilize the wagon fore and aft.



Place a hydraulic jack under the wagon undercarriage/frame just ahead of the tire/axle assembly. Mark position of axle front and rear. Remove the eyebolts that secure the tire assemblies to the front and rear undercarriages.

Raise the wagon until weight is removed from the assembly and there is enough clearance between the axle assembly and undercarriage so the tire/axle assembly can be raised slightly to remove.



Place blocking under the wagon at the rear undercarriage/frame to support the wagon and lower the jack until the frame is supported by the blocking. The blocking must be placed in such a way as to give a wide base of support.



Remove the tire/axle assembly using a forklift or loader.

NOTICE: Care must be taken to prevent pulling or pushing the wagon off the support blocking while removing and installing the assembly.



DANGER: Never work around or under the wagon with the tire/axle assembly removed.

Remove wheel nuts and remove tire from hub.



DANGER: Rim and tire servicing can be dangerous. Explosive separation of tire and rim parts can cause serious injury or death.

After tire repair is completed, reinstall tire/wheel onto hub. Lubricate wheel nut threads. Install and torque wheel nuts to 350 ft. lbs. See "Wheel Nuts".

(Continued)

(Continued From Preceding Page)

NOTE: Be sure tire is reinstalled with the offset in the rim to the same side as previously installed.

Reposition tire/axle assembly under wagon at previously marked axle adjustment. Install eyebolts and cap screws. Torque $1\frac{1}{2}$ " eyebolts to 930 ft. lbs. and $\frac{7}{8}$ " hardware to 350 ft. lbs.

NOTE: Retorque wheel nuts as follows:

- a. After 4 hours use.
- b. After 16 hours use.
- c. Weekly during season.



DANGER: Never transport Row Crop wagon, load Row Crop wagon with grain or unfold Row Crop wagon upper vertical auger with outer wheels removed.

AXLE ADJUSTMENT (1050 Row Crop Wagon)

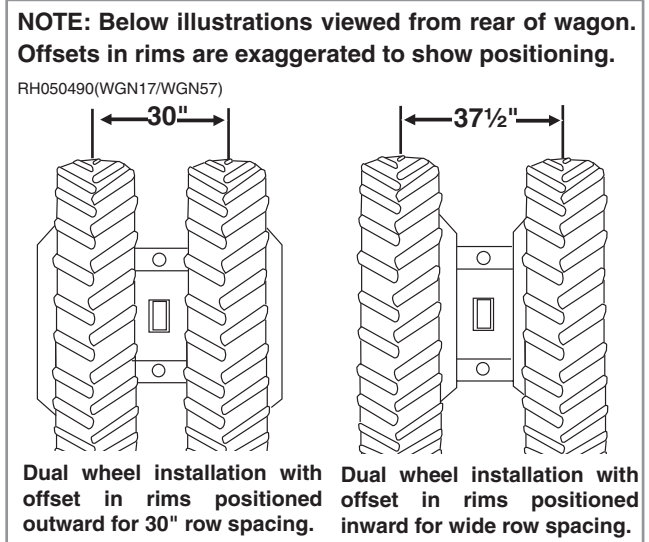
The tire/wheel spacing on the Row Crop wagon can be set for 30" to 40" row spacings. Row spacing is determined by axle adjustment and tire rim position.



DANGER: Never transport Row Crop wagon, load Row Crop wagon with grain or unfold Row Crop wagon upper vertical auger with outer wheels removed.

Row Crop wagons are shipped with the outer wheel removed and the axle and inner wheel rims installed for 30" row spacing. For field operation with 30" row spacing, install the outer wheel assembly onto each side of the wagon with the offset in the rim to the outside as shown at right. Torque wheel nuts to 350 ft. lbs.

If wider row spacing is desired, remove the complete tire/axle assembly. Reverse the inner wheel so the offset in the rim is to the outside of the wagon as shown in next column. Follow the procedure described in "Inside Tire Repair Or Removal" for raising the wagon and removing the inside tire. Reposition tire/axle assembly outward from the 30" row spacing location to desired setting. Torque $1\frac{1}{4}$ " eyebolts to 930 ft. lbs. and $\frac{7}{8}$ " hardware to 350 ft. lbs. Install outer wheels with offset in rim to the inside. Torque wheel nuts to 350 ft. lbs. Repeat procedure on opposite side of wagon.



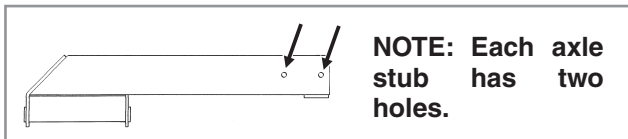
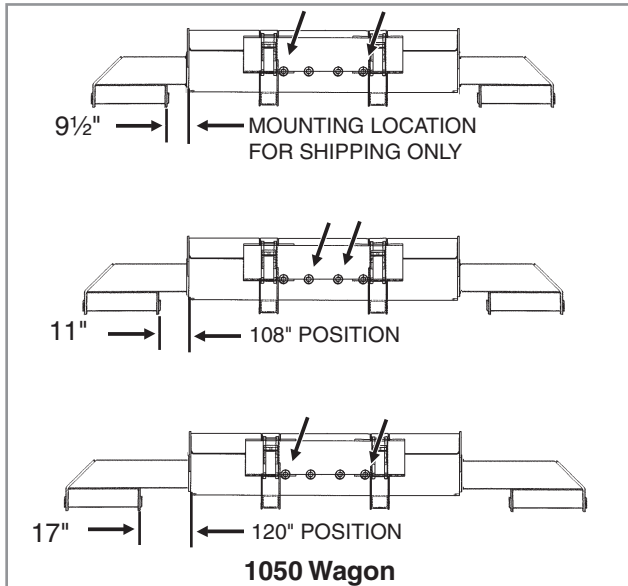
NOTE: Measure from center of wagon to center of tires to ensure all tires are properly spaced.

NOTE: Retorque wheel nuts as follows:

- a. After 4 hours use.
- b. After 16 hours use.
- c. Weekly during season.

AXLE ADJUSTMENT (1050 Sof-Trak Wagon)

The Sof-Trak wagon is factory assembled with the axle in the **shipping position** and **must be extended** to a 108" or 120" operating position. Adjustment holes in the center axle allow for the axle setting to be adjusted.

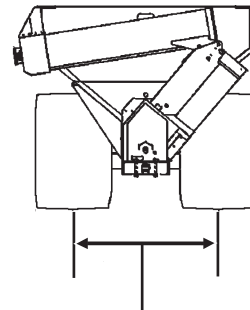


Remove the 1" x 12" cap screws on the center axle. Slide the axle stubs out approximately 1 1/2" and reinstall cap screws in inner set of holes for 108" center-to-center axle setting. Slide axle stubs out approximately 9" and reinstall cap screws in outer set of holes for 120" center-to-center axle setting. Torque bolts to 480 ft. lbs.

WARNING: Loads with a high center of gravity may cause instability or rollover when operating the wagon on hillsides or in rough terrain.

AXLE ADJUSTMENT (850/1050 Sof-Tred Wagons)

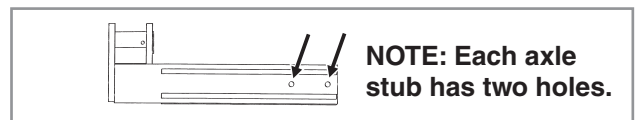
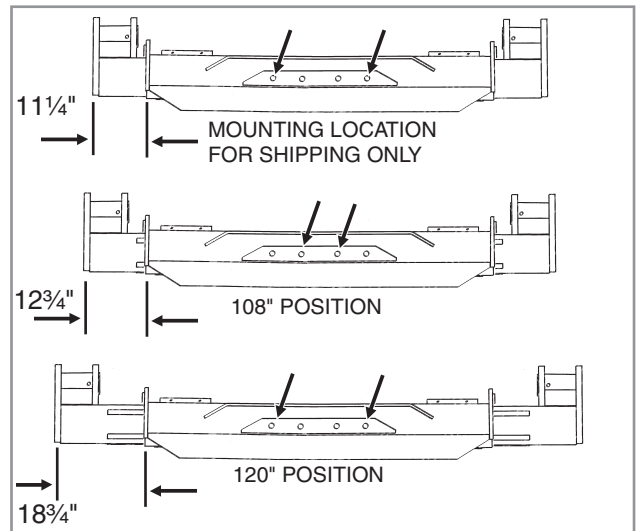
Sof-Tred wagon stub axles may be moved inward to 93" width for shipping. After shipment and **prior to use, always check to be sure the stub axles are extended to the tire center-to-center operating position shown below** to provide adequate tire-to-grain tank clearance.



108" - 850 Wagon
96" - 1050 Wagon (Shown)

AXLE ADJUSTMENT (650/850 Wheel Wagons)

650/850 wheel wagons are factory assembled with the axle in the **shipping position** and **must be extended** to a 108" or 120" center-to-center tire operating position. Adjustment holes in the center axle allow for the axle width to be adjusted.

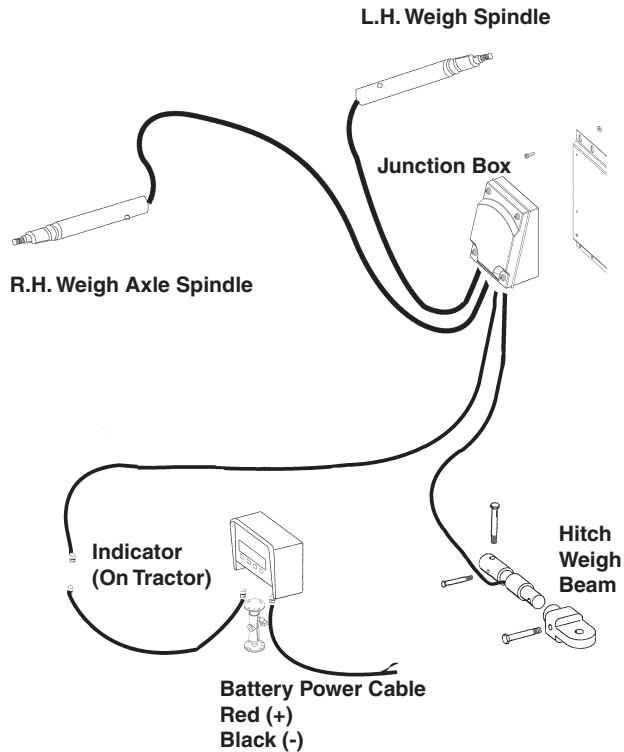


Remove the 1" x 12" cap screws on the center axle. Slide the axle stubs out approximately 1 1/2" and reinstall cap screws in inner set of holes for 108" center-to-center axle setting. Slide axle stubs out approximately 7 1/2" and reinstall cap screws in outer set of holes for 120" center-to-center tire setting. Torque bolts to 480 ft. lbs.

ELECTRONIC SCALE (Model 650 Wheel Wagon)

The major elements of the electronic scale are the indicator, two 3 $\frac{3}{4}$ " (high-strength) weigh spindles, 2 $\frac{1}{2}$ " hitch weigh beam with sleeve, the junction box (j-box) and the battery power cable.

(WGN52II)



For additional information see "Electronic Scale Troubleshooting" for step-by-step procedures for troubleshooting failures that may be encountered with the electronic scale.

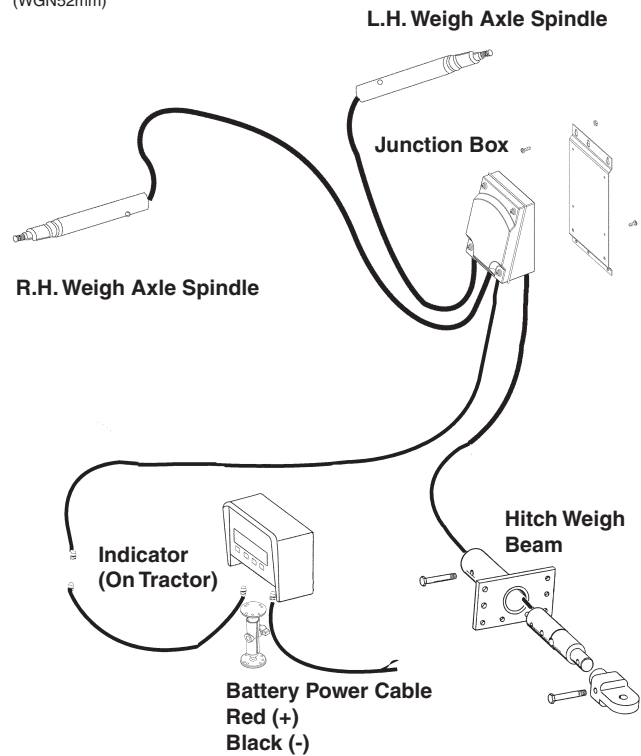
The only tools required are as follows:

- Small Screwdriver (Straight Blade)
- No. 2 Phillips Screwdriver

ELECTRONIC SCALE (Model 850 Wheel/Sof-Tred Wagons)

The major elements of the electronic scale are the indicator, two 3 $\frac{3}{4}$ " (high-strength) weigh spindles, 3 $\frac{3}{4}$ " hitch weigh beam, the junction box (j-box) and the battery power cable.

(WGN52mm)



For additional information see "Electronic Scale Troubleshooting" for step-by-step procedures for troubleshooting failures that may be encountered with the electronic scale.

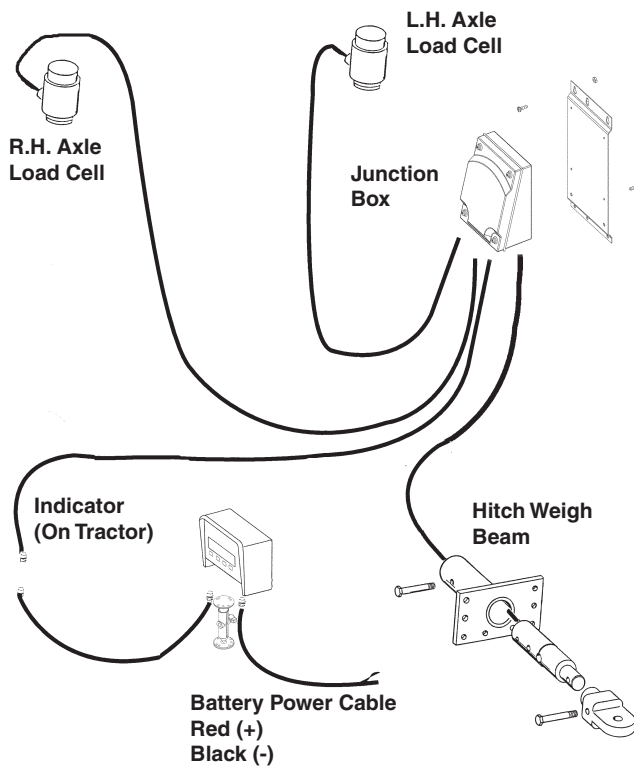
The only tools required are as follows:

- Small Screwdriver (Straight Blade)
- No. 2 Phillips Screwdriver

ELECTRONIC SCALE (Model 1050 Row Crop/ Sof-Tred/Sof-Trak Wagons)

The major elements of the electronic scale are the indicator, two 50,000 lb. rated compression type load cells at the rear of the axle assembly, 3 $\frac{3}{4}$ " hitch weigh beam, the junction box (j-box) and the battery power cable.

(WGN52nn)

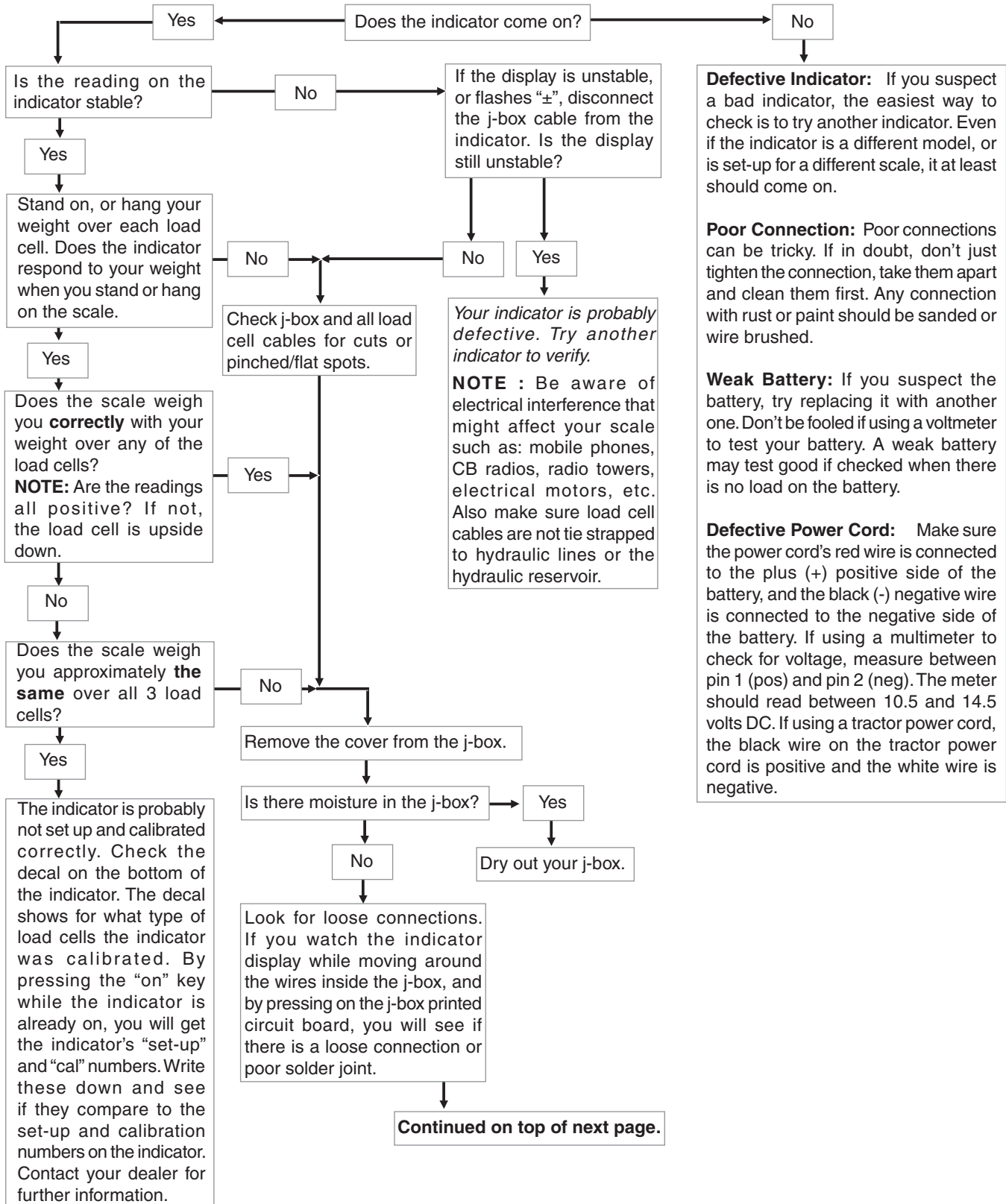


For additional information see "Electronic Scale Troubleshooting" for step-by-step procedures for troubleshooting failures that may be encountered with the electronic scale.

The only tools required are as follows:

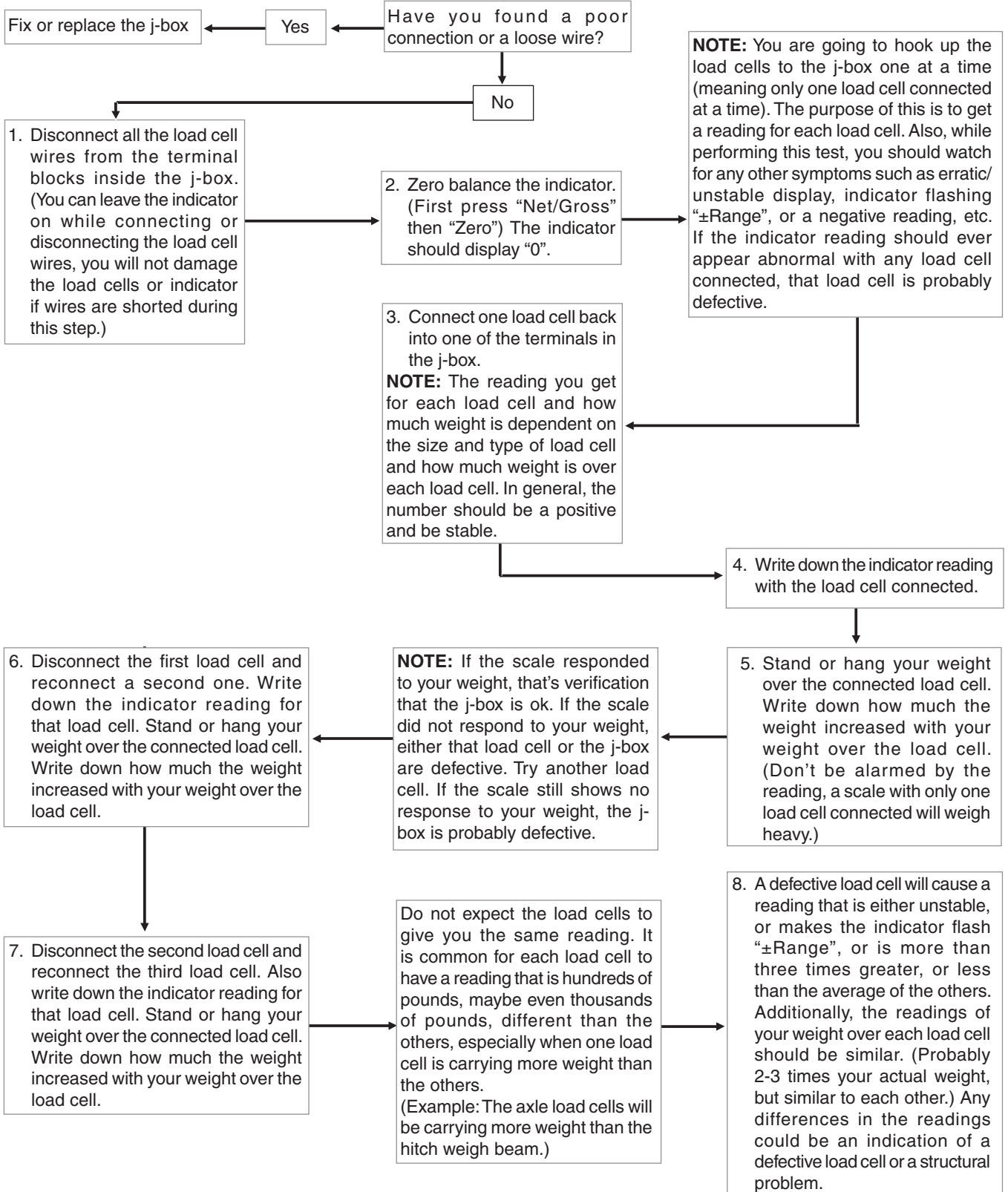
- Small Screwdriver (Straight Blade)
- No. 2 Phillips Screwdriver

ELECTRONIC SCALE TROUBLESHOOTING



ELECTRONIC SCALE TROUBLESHOOTING

Continued from bottom of previous page.



DATA DOWNLOADER TROUBLESHOOTING

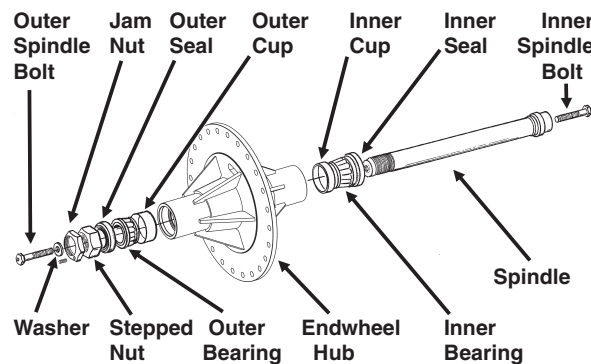
| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|--|
| Warning no device match was found. | Poor connection to cable. | Check for proper connection to cable. |
| | Poor connection of cable to serial port of computer. | Check for proper connection of cable to serial port of computer. |
| | Not connected to correct serial port. | Check port setting in the DTU program to be sure DDL is on the correct serial port. |
| | Faulty DDL. | Try another DDL. |
| | Other software installed that uses same serial port. | If any other installed software that requires a serial port is trying to run and there is only one serial port, the second software will not be able to run. If the DTU software had been loaded first and then the (eg. Palm Pilot) software, the Palm software could have a problem. This is a hardware allocation problem. For sites that need to run both, a second serial port must be added or you have to turn off all other software packages that may be using the 1 serial port. |
| No such file or directory. | File was not saved. | Resave file. |
| | File saved as incorrect format. | Save file as a text file (.txt). |
| | Data was not saved in a valid Windows file folder and/or directory. | Resave file in valid Windows file folder and/or directory. |
| Data will not transfer to PC. | Poor connection to cable. | Check for proper connection to cable. |
| | Poor connection of cable to serial port of computer. | Check for proper connection of cable to serial port of computer. |
| | Not connected to correct serial port. | Check port setting in the DTU program to be sure DDL is on the correct serial port. |
| Some information is not listed. | 64K capacity of the DDL is filled. | Check capacity. |
| | Information may of been overwritten. | Resave file. |
| Dialog box and program locks up (not responding). | Computer error. | CRTL-ALT-DEL and end task, then restart computer. |

ENDWHEEL/MIDWHEEL BEARING REPLACEMENT (Sof-Trak Wagon)

1. Endwheel Procedure:

To remove an endwheel, position a jack at the axle and raise the side of the machine. Mark the position of both the inside and outside sidebars nearest the end wheel being serviced. Loosen the four $\frac{3}{4}$ " cap screws and $1\frac{1}{4}$ " spindle bolt on each sidebar. Loosen the 1" adjusting bolt on each sidebar. Remove the sidebars on the side next to the endwheel being serviced. Remove wheel cap screws and special washers that secure the nuts for front half of the endwheel segments and remove the segments. Remove endwheel.

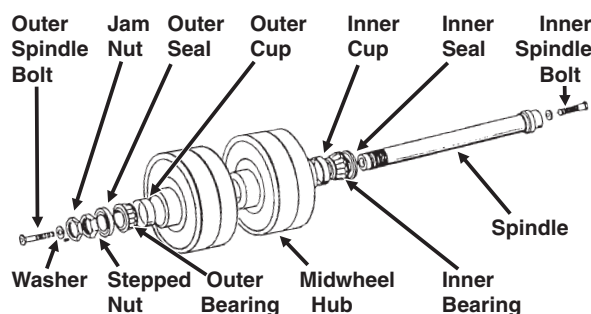
(WGN138d)



Midwheel Procedure:

To remove a midwheel, position a jack at the axle and raise the side of the machine. Mark the position of both the inside and outside sidebars nearest the midwheel being serviced. Loosen the four $\frac{3}{4}$ " cap screws and $1\frac{1}{4}$ " spindle bolt on each sidebar. Loosen the 1" adjusting bolt on each sidebar. Remove the sidebars on the side next to the midwheel being serviced. Remove the endwheel (See endwheel procedure above) nearest the midwheel being serviced. Drop the midwheel to clear the track carriage and roll it to the closest end of the track for removal. If there is a midwheel between the endwheel and the midwheel being serviced, it must be removed also.

(WGN44a)



2. Remove double nuts and slide spindle from hub.
3. Remove bearings, seals and cups and discard. Clean and dry hub.
4. Press in new bearing cups with thickest edge facing in.
5. Pack bearings with heavy duty wheel bearing grease thoroughly forcing grease between roller cone and bearing cage. Also fill the space between the bearing cups in the hub with grease.
6. Place inner bearing in place and install seal.
7. Clean spindle and install in hub.
8. Install outer bearing, seal and stepped nut. Tighten stepped nut until there is some drag when the spindle is rotated. This assures that all bearing surfaces are in contact. Back off stepped nut $\frac{1}{4}$ turn or until there is only slight drag when rotating the hub. Install jam nut to lock against stepped nut.
9. Endwheel Procedure:
After the endwheel has been reinstalled and the segment hardware torqued to 220 ft. lbs., reinstall the sidebars. Extend sidebars to the previously marked positions and tighten all hardware. Torque $\frac{3}{4}$ " cap screws to 220 ft. lbs. and $1\frac{1}{4}$ " spindle bolt to 1360 ft. lbs. Check track alignment and track tension. Adjust if necessary.

NOTE: Retorque endwheel segment hardware as follows:

- a. After 4 hours use.
- b. After 16 hours use.
- c. Weekly during season.

Midwheel Procedure:

Raise midwheel assembly into position under the track carriage, install inner and outer spindle bolts and torque to 1360 ft. lbs. Install endwheel. Install the sidebars. Extend sidebars to the previously marked positions and tighten all hardware. Torque $\frac{3}{4}$ " cap screws to 220 ft. lbs. and $1\frac{1}{4}$ " spindle bolt to 1360 ft. lbs. Check track alignment and track tension. Adjust if necessary.

NOTE: Retorque endwheel segment hardware as follows:

- a. After 4 hours use.
- b. After 16 hours use.
- c. Weekly during season.

NOTE: Each midwheel and endwheel spindle bolt is equipped with a grease fitting (2 per assembly) for lubrication.

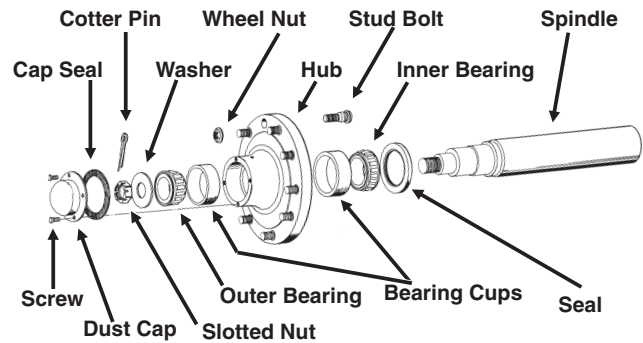
WHEEL BEARING REPLACEMENT (Wheel/Row Crop/Sof-Tred Wagons)

NOTE: See “Inside Tire Repair Or Removal” section of this manual for instruction on tire removal/access to inner wheel hubs on Row Crop wagons.

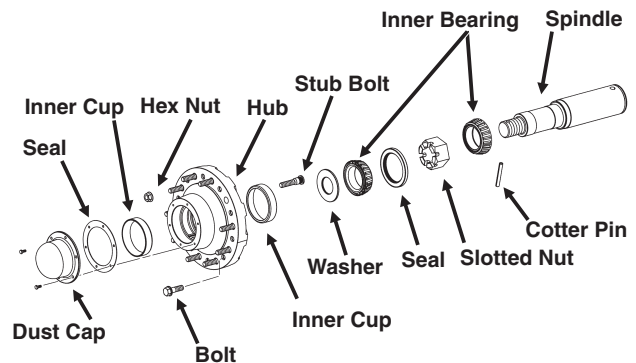
1. Raise tire clear of ground and remove wheel.
2. Remove dust cap attachment hardware and remove cap from wheel hub.
3. Remove cotter pin, axle nut and 2" washer.
4. Slide hub from axle spindle, using a hub puller if necessary.
5. Remove bearings and cups from hub and discard. Thoroughly clean and dry wheel hub.
6. Press in new bearing cups with thickest edges facing in.
7. Pack bearing with heavy duty wheel bearing grease, thoroughly forcing grease between roller cone and bearing cage. Also fill the space between the bearing cups in the hub with grease.
8. Place inner bearing in hub and press in new grease seal with lip pointing towards bearing.
9. Clean axle spindle and install hub.
10. Install outer bearing, 2" washer and slotted hex nut. Tighten slotted hex nut while rotating the hub until there is some drag. This ensures that all bearing surfaces are in contact. Back off slotted nut to nearest locking slot and install cotter pin. Check for endplay in bearings.
11. Fill dust cap half full of wheel bearing grease and install on hub with attachment bolts.
12. Lubricate wheel nuts and install wheel. Remove jack. Torque wheel nuts to 350 ft. lbs.

NOTE: Wheel hubs on Kinze wagons contain high strength ductile iron material. If hub replacement is required, replace with proper part.

Wheel/Row Crop Wagons Sof-Tred Wagons (Prior To Serial No. 506295)



Sof-Tred Wagons (Serial No. 506295 And On)



PREPARATION FOR STORAGE

- Always store the machine in a dry sheltered area if possible.
- Remove all trash that may be wrapped on shafts and remove dirt that can draw moisture.
- Remove auger inspection cover at front of wagon and dump door on underside of grain tank at rear of wagon. Clean out all accumulated grain and debris from auger chamber.
- Wash machine inside and out.
- Lubricate machine at all lubrication points.
- If possible, remove weight from all tires, particularly if the unit is being stored outdoors.
- Repaint any areas where paint has been removed. This is particularly important in the inside of the grain tank. Rust in this area will shorten the life of the wagon as well as prevent grain from smoothly sliding to the bottom of the tank.
- Inspect the machine for parts that are in need of replacement and order during the “off” season.
- Coat exposed surface of all cylinder piston rods with grease or rust preventative spray.

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DRIVE COMPONENTS

| | |
|---|-----|
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| PTO Assembly - 1 $\frac{3}{4}$ "-20 Spline Yoke, 650 | P3 |
| PTO Assembly - 1 $\frac{3}{4}$ "-21 Spline Yoke, 850 | P4 |
| PTO Assembly - 1 $\frac{3}{4}$ "-20 Spline Yoke, 850 | P6 |
| PTO Assembly - 1 $\frac{3}{4}$ "-21 Spline Yoke, 1050 (Prior To Serial No. 505142) | P8 |
| PTO Assembly - 1 $\frac{3}{4}$ "-20 Spline Yoke, 1050 (Prior To Serial No. 505142) | P10 |
| PTO Assembly - 1 $\frac{3}{4}$ "-20 Spline Yoke, 1050 (Serial No. 505142-506585) | P12 |
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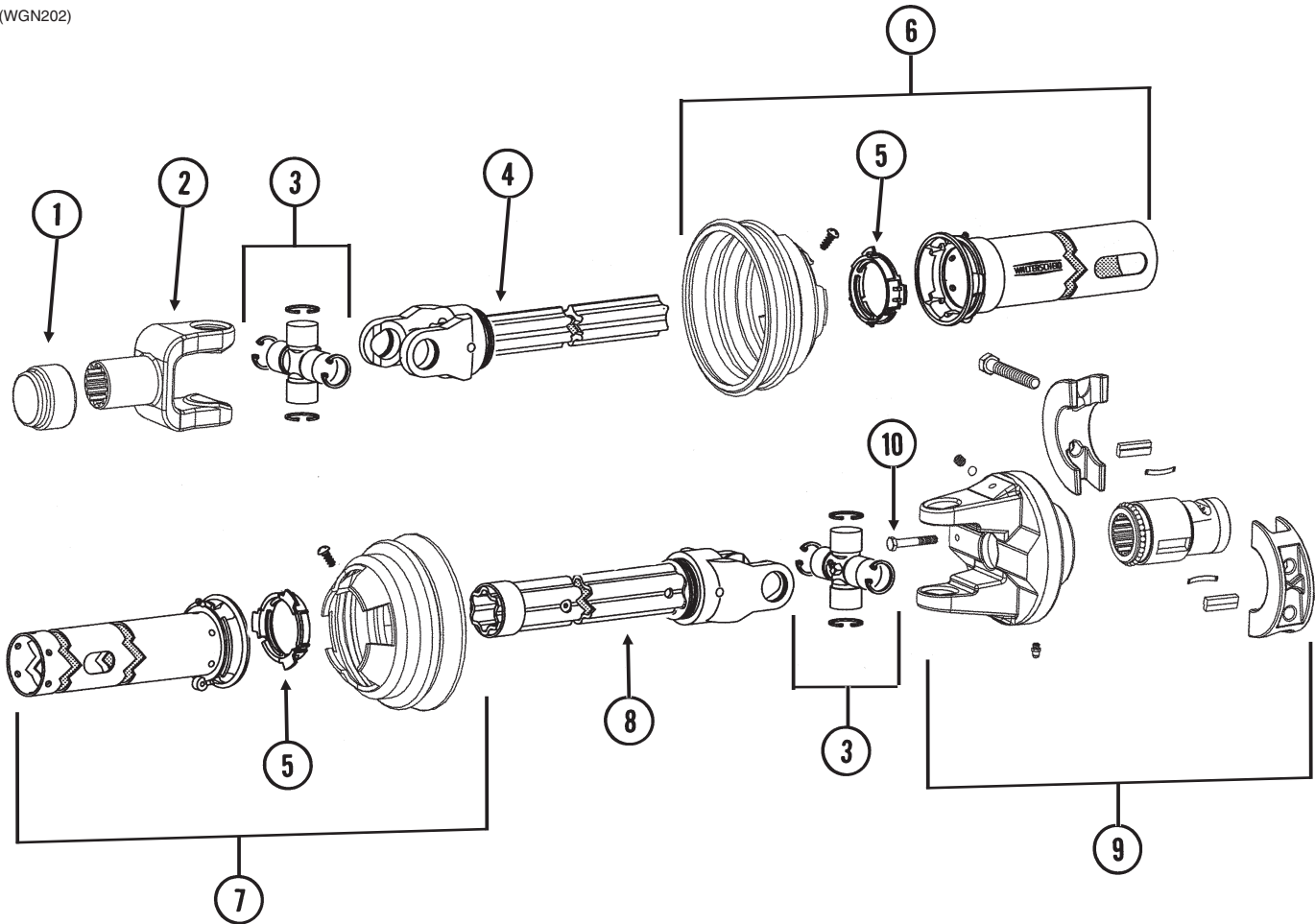
HYDRAULICS

| | |
|---|------|
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MISCELLANEOUS

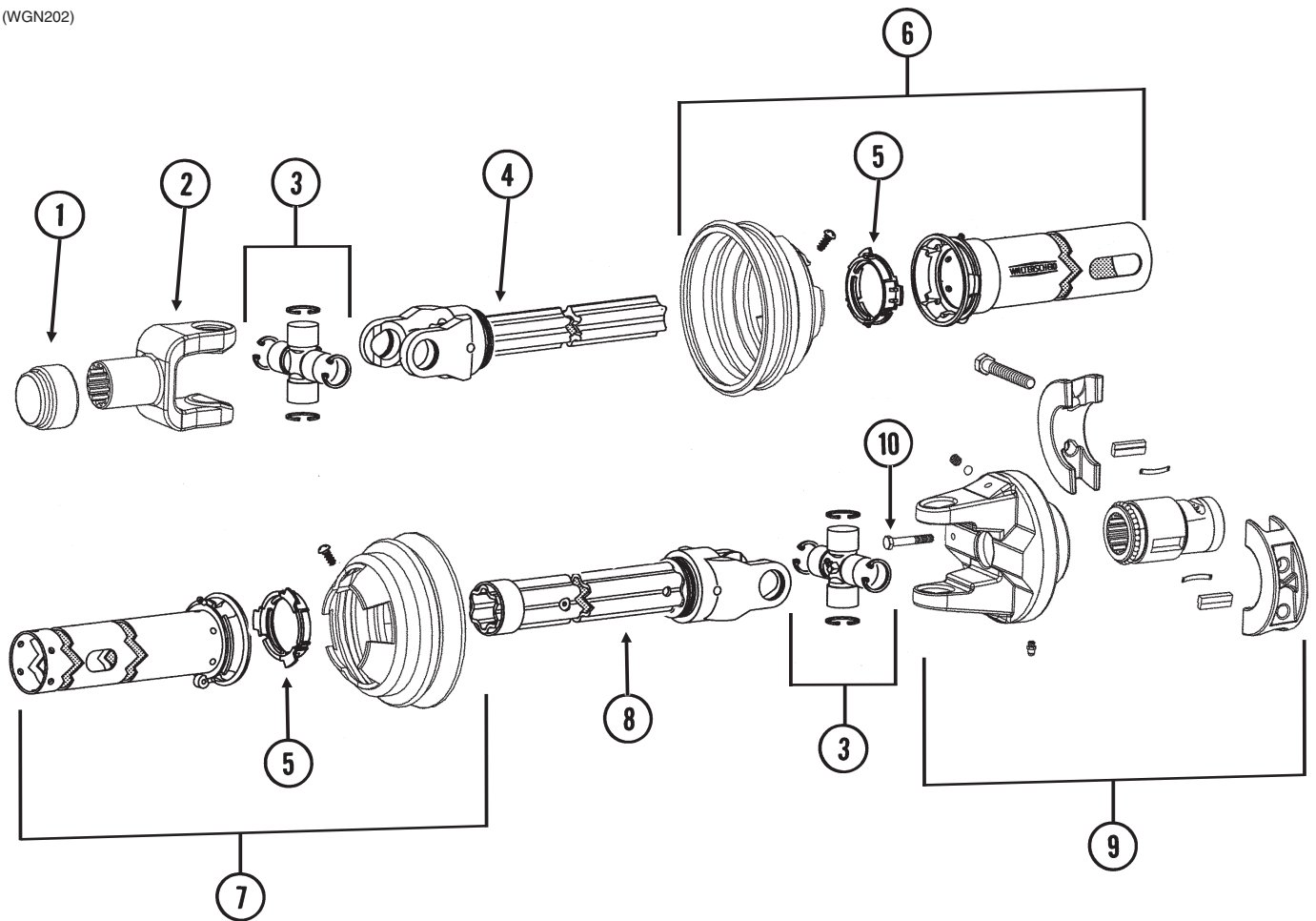
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(WGN202)



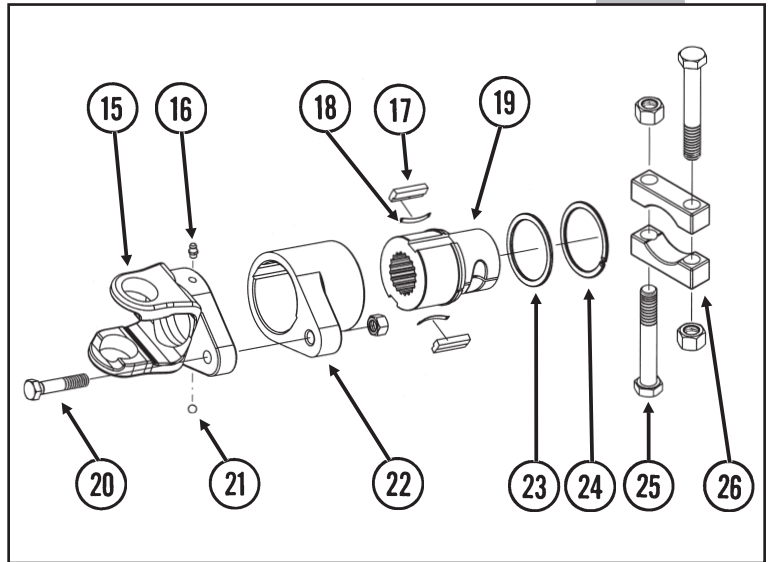
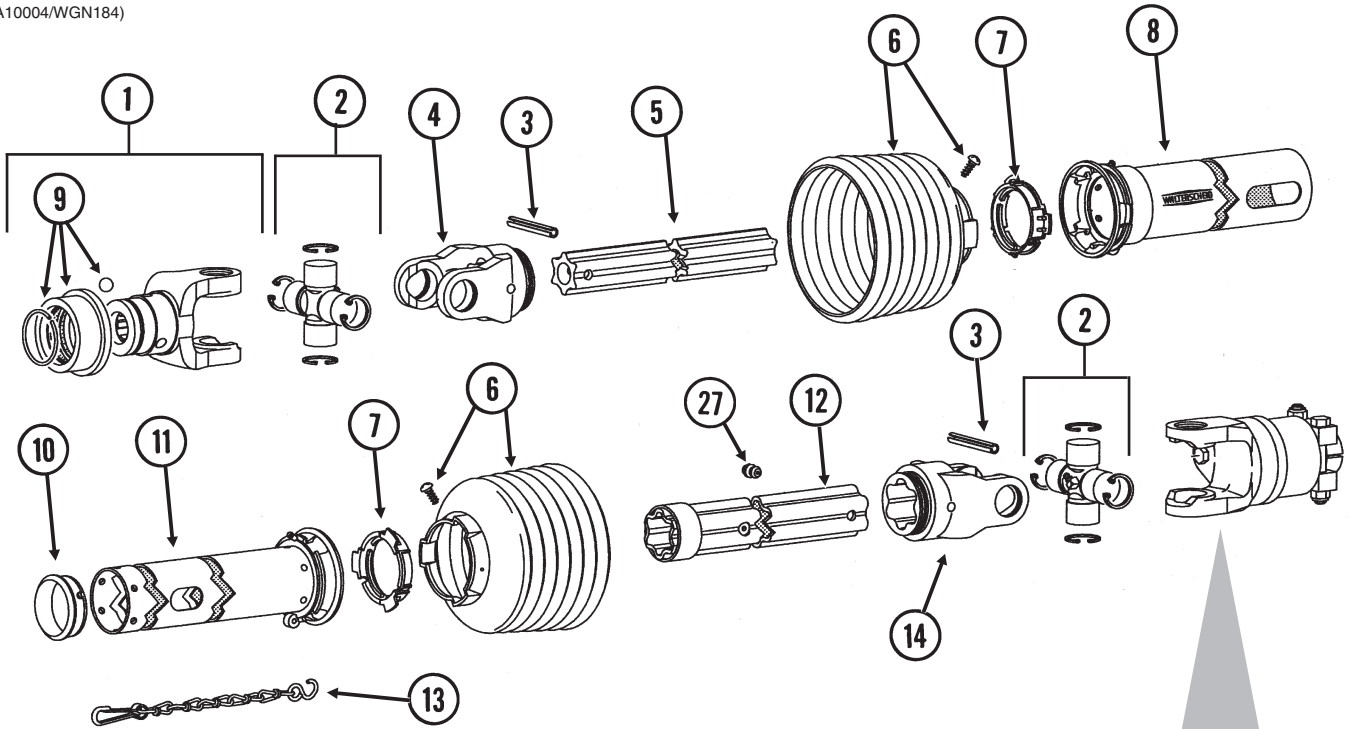
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR0254 | 1 | Safety Slide Lock Repair Kit |
| 2 | GR1714 | 1 | Yoke |
| 3 | GR1715 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1729 | - | Grease Fitting, 67.5°, 1/8"-27 |
| 4 | GR1716 | 1 | Inboard Yoke And Tube |
| 5 | GR1717 | 2 | Guard Repair Kit |
| 6 | GR1719 | 1 | Outer Guard (Includes Item 5) |
| 7 | GR1720 | 1 | Inner Guard (Includes Item 5) |
| 8 | GR1722 | 1 | Inboard Yoke And Tube W/Grease Fitting |
| | GR1430 | - | Grease Fitting, 3/16", Drive-In |
| 9 | GR1723 | 1 | Overrunning Clutch Assembly |
| | GR1726 | - | Repair Kit W/Set Screw, Ball, Grease Fitting, Spring And Key |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 10 | G10041 | 1 | Hex Head Cap Screw, 5/16"-18 x 2" (Shear) |
| | G10109 | 1 | Lock Nut, 5/16"-18, Grade 8 |
| A | GR1710 | - | PTO Half-Tractor (Items 1-6) |
| B | GR1711 | - | PTO Half-Machine (Items 5 And 7-10) |

(WGN202)



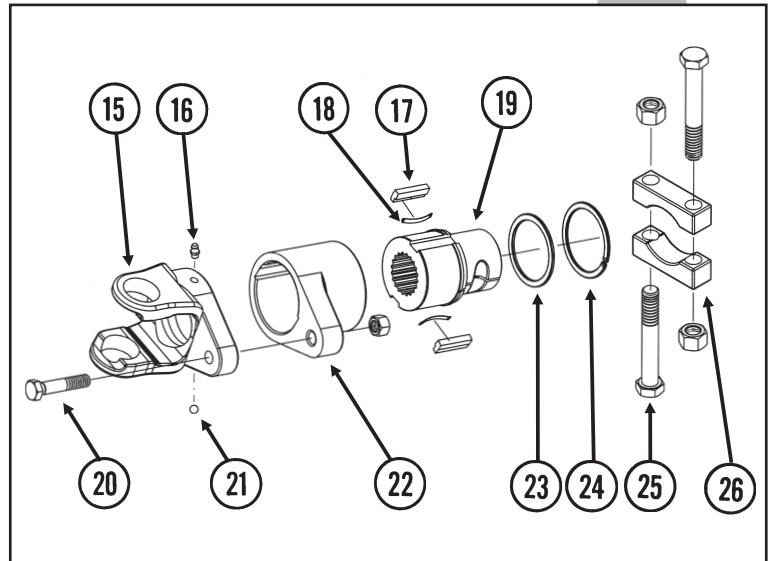
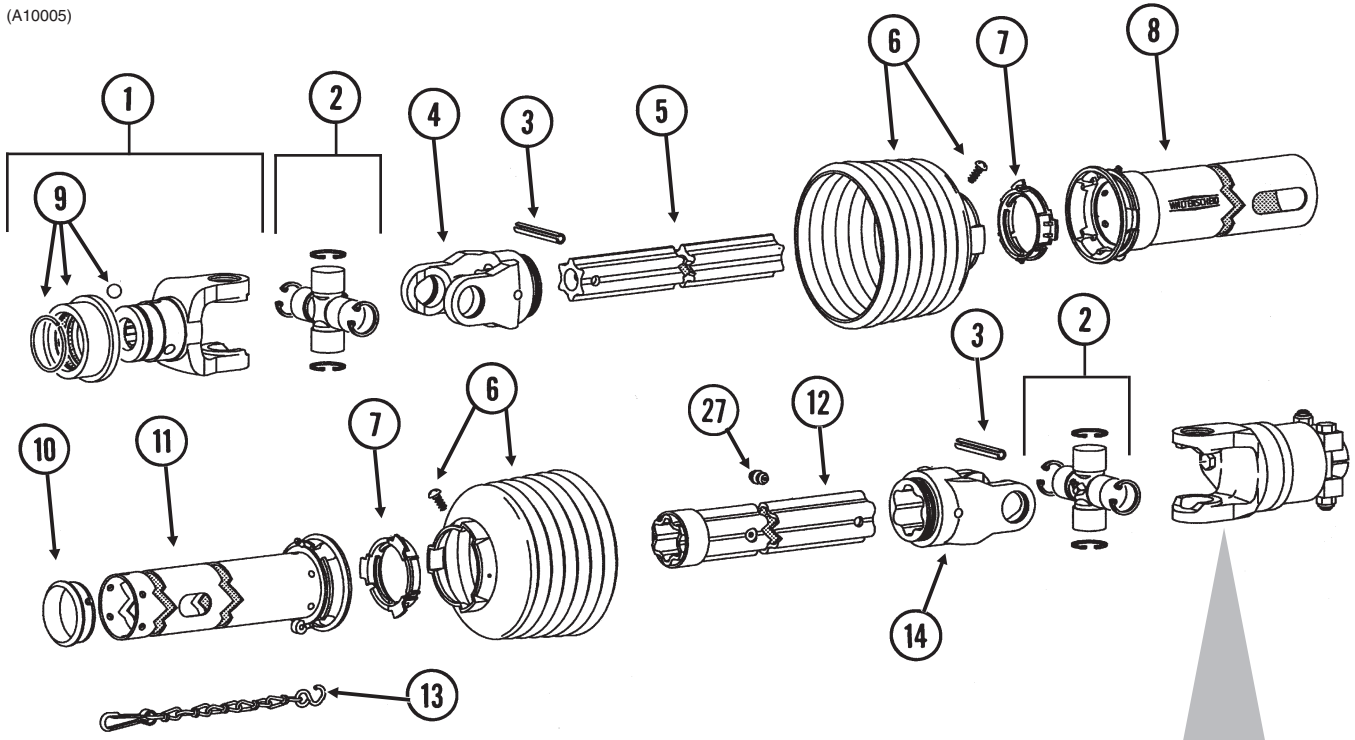
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1243 | 1 | Safety Slide Lock Repair Kit |
| 2 | GR1725 | 1 | Yoke |
| 3 | GR1715 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1729 | - | Grease Fitting, 67.5°, 1/8"-27 |
| 4 | GR1716 | 1 | Inboard Yoke And Tube |
| 5 | GR1717 | 2 | Guard Repair Kit |
| 6 | GR1719 | 1 | Outer Guard (Includes Item 5) |
| 7 | GR1720 | 1 | Inner Guard (Includes Item 5) |
| 8 | GR1722 | 1 | Inboard Yoke And Tube W/Grease Fitting |
| | GR1430 | - | Grease Fitting, 3/16", Drive-In |
| 9 | GR1723 | 1 | Overrunning Clutch Assembly |
| | GR1726 | - | Repair Kit W/Set Screw, Ball, Grease Fitting, Spring And Key |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 10 | G10041 | 1 | Hex Head Cap Screw, 5/16"-18 x 2" (Shear) |
| | G10109 | 1 | Lock Nut, 5/16"-18, Grade 8 |
| A | GR1712 | - | PTO Half-Tractor (Items 1-6) |
| B | GR1711 | - | PTO Half-Machine (Items 5 And 7-10) |

(A10004/WGN184)



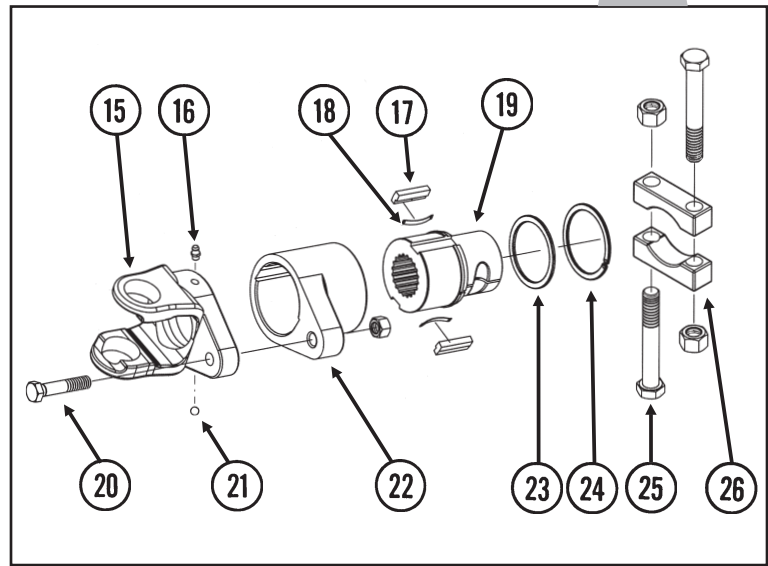
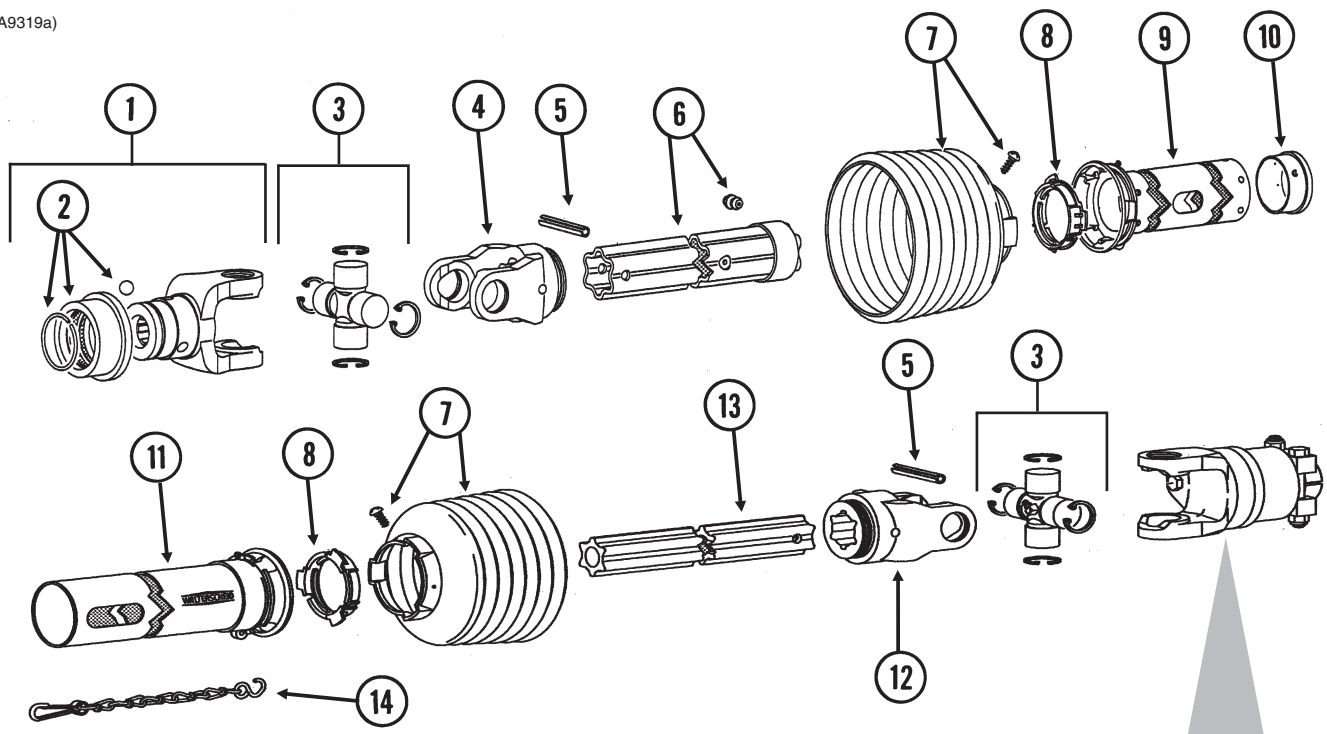
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1209 | 1 | Yoke (Includes Item 9) |
| 2 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 3 | GR1211 | 2 | Spring Pin |
| 4 | GR1212 | 1 | Inboard Yoke |
| 5 | GR1657 | 1 | Inner Profile |
| 6 | GR1217 | 2 | Guard Cone W/Screw |
| 7 | GR1220 | 2 | Bearing Ring |
| 8 | GR1659 | 1 | Outer Guard Tube |
| 9 | GR1245 | - | Quick Disconnect Kit |
| 10 | GR1222 | 1 | Support Bearing |
| 11 | GR1660 | 1 | Inner Guard Tube |
| 12 | GR1658 | 1 | Profile And Sleeve |
| 13 | GR1221 | 1 | Safety Chain |
| 14 | GR1215 | 1 | Inboard Yoke |
| 15 | GR1664 | 1 | Yoke |
| 16 | GR1438 | 1 | Special Grease Fitting, M10-1.25 |
| 17 | GR1669 | 2 | Key |
| 18 | GR1670 | 2 | Leaf Spring |
| 19 | GR1668 | 1 | Hub |
| 20 | GR1655 | 1 | Shear Bolt, M12-1.75 x 60, Grade 8.8 |
| | GR1656 | 1 | Lock Nut W/Nylon Insert, M12-1.75 |
| 21 | GR1666 | 24 | Ball |
| 22 | GR1667 | 1 | Housing |
| 23 | GR1671 | 1 | Support Ring |
| 24 | GR1672 | 1 | Retaining Ring |
| 25 | GR1674 | 2 | Hex Bolt, M16 x 110 |
| | GR1675 | 2 | Lock Nut, M16 |
| 26 | GR1673 | 2 | Bridge Clamp |
| 27 | GR1430 | - | Grease Fitting, 3/16", Drive-In |
| A | GR1651 | - | PTO Half-Tractor (Items 1-8) |
| B | GR1652 | - | PTO Half-Machine (Items 2, 3, 6, 7 And 10-27) |
| C | GR1654 | 1 | Shear Bolt/Overrunning Clutch Assembly (Items 15-26) |

(A10005)



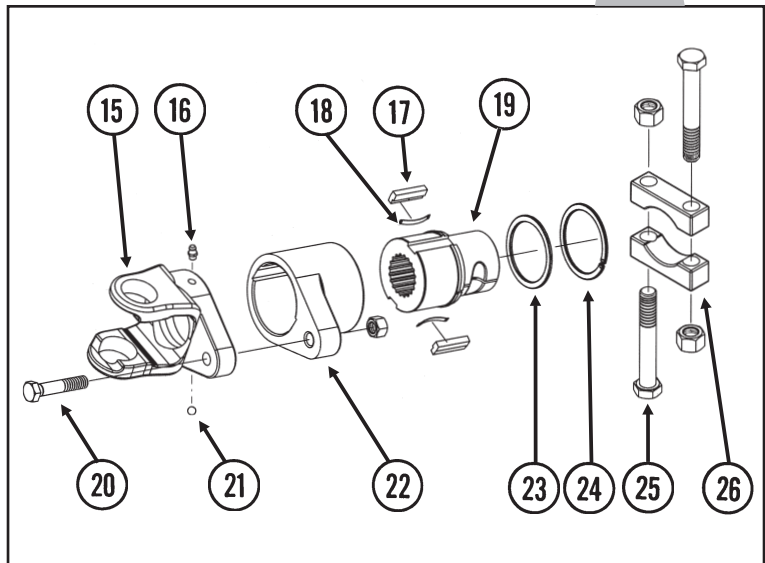
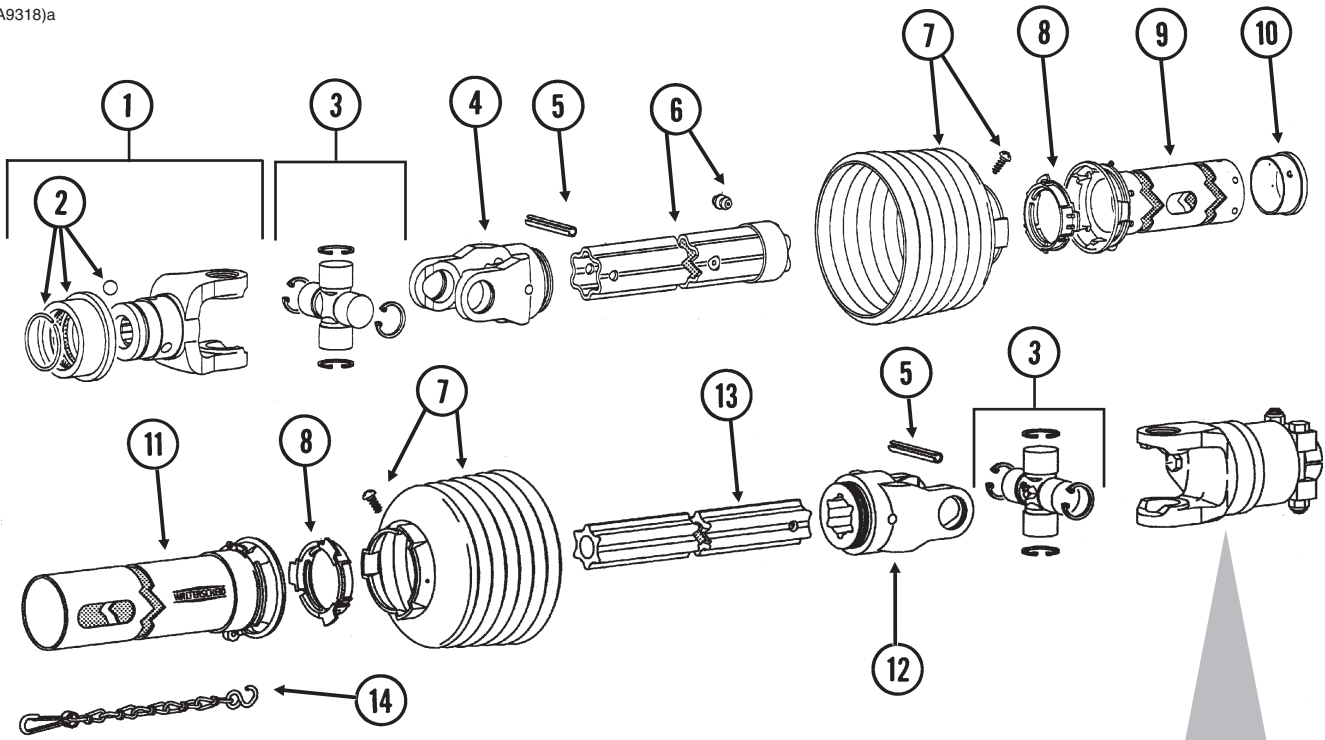
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1223 | 1 | Yoke (Includes Item 9) |
| 2 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 3 | GR1211 | 2 | Spring Pin |
| 4 | GR1212 | 1 | Inboard Yoke |
| 5 | GR1657 | 1 | Inner Profile |
| 6 | GR1217 | 2 | Guard Cone W/Screw |
| 7 | GR1220 | 2 | Bearing Ring |
| 8 | GR1659 | 1 | Outer Guard Tube |
| 9 | GR1246 | - | Quick Disconnect Kit |
| 10 | GR1222 | 1 | Support Bearing |
| 11 | GR1660 | 1 | Inner Guard Tube |
| 12 | GR1658 | 1 | Profile And Sleeve |
| 13 | GR1221 | 1 | Safety Chain |
| 14 | GR1215 | 1 | Inboard Yoke |
| 15 | GR1664 | 1 | Yoke |
| 16 | GR1438 | 1 | Special Grease Fitting, M10-1.25 |
| 17 | GR1669 | 2 | Key |
| 18 | GR1670 | 2 | Leaf Spring |
| 19 | GR1668 | 1 | Hub |
| 20 | GR1655 | 1 | Shear Bolt, M12-1.75 x 60, Grade 8.8 |
| | GR1656 | 1 | Lock Nut W/Nylon Insert, M12-1.75 |
| 21 | GR1666 | 24 | Ball |
| 22 | GR1667 | 1 | Housing |
| 23 | GR1671 | 1 | Support Ring |
| 24 | GR1672 | 1 | Retaining Ring |
| 25 | GR1674 | 2 | Hex Bolt, M16 x 110 |
| | GR1675 | 2 | Lock Nut, M16 |
| 26 | GR1673 | 2 | Bridge Clamp |
| 27 | GR1430 | - | Grease Fitting, $\frac{3}{16}$ ", Drive-In |
| A | GR1653 | - | PTO Half-Tractor (Items 1-8) |
| B | GR1652 | - | PTO Half-Machine (Items 2, 3, 6, 7 And 10-27) |
| C | GR1654 | 1 | Shear Bolt/Overrunning Clutch Assembly (Items 15-26) |

(A9319a)



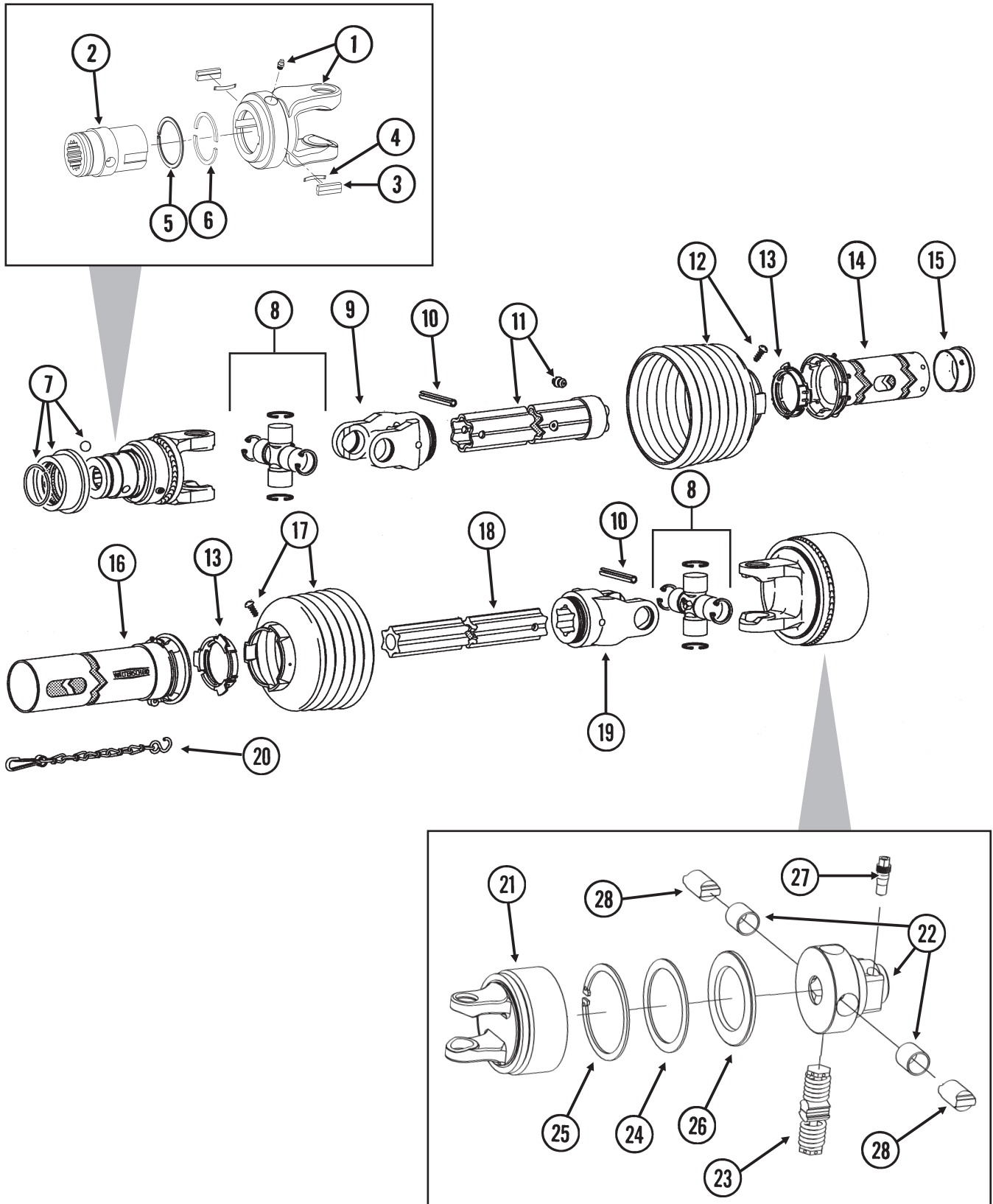
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1209 | 1 | Yoke (Includes Item 2) |
| 2 | GR1245 | - | Quick Disconnect Kit |
| 3 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 4 | GR1215 | 1 | Inboard Yoke |
| 5 | GR1211 | 2 | Spring Pin |
| 6 | GR1614 | 1 | Outer Profile W/Grease Fitting |
| | GR1430 | - | Grease Fitting, 3/16", Drive-In |
| 7 | GR1217 | 2 | Guard Cone W/Screw |
| 8 | GR1220 | 2 | Bearing Ring |
| 9 | GR1618 | 1 | Inner Guard Tube |
| 10 | GR1222 | 1 | Support Bearing |
| 11 | GR1617 | 1 | Outer Guard Tube |
| 12 | GR1212 | 1 | Inboard Yoke |
| 13 | GR1645 | 1 | Inner Profile |
| 14 | GR1221 | 1 | Safety Chain |
| 15 | GR1664 | 1 | Yoke |
| 16 | GR1438 | 1 | Special Grease Fitting, M10-1.25 |
| 17 | GR1669 | 2 | Key |
| 18 | GR1670 | 2 | Leaf Spring |
| 19 | GR1668 | 1 | Hub |
| 20 | GR1655 | 1 | Shear Bolt, M12-1.75 x 60, Grade 8.8 |
| | GR1656 | 1 | Lock Nut W/Nylon Insert, M12-1.75 |
| 21 | GR1666 | 24 | Ball |
| 22 | GR1667 | 1 | Housing |
| 23 | GR1671 | 1 | Support Ring |
| 24 | GR1672 | 1 | Retaining Ring |
| 25 | GR1674 | 2 | Hex Bolt, M16 x 110 |
| | GR1675 | 2 | Lock Nut, M16 |
| 26 | GR1673 | 2 | Bridge Clamp |
| A | GR1613 | - | PTO Half-Tractor (Items 1-10) |
| B | GR1650 | - | PTO Half-Machine (Items 3, 5, 7, 8 And 11-26) |
| C | GR1654 | 1 | Shear Bolt/Overrunning Clutch Assembly (Items 15-26) |

(A9318)a



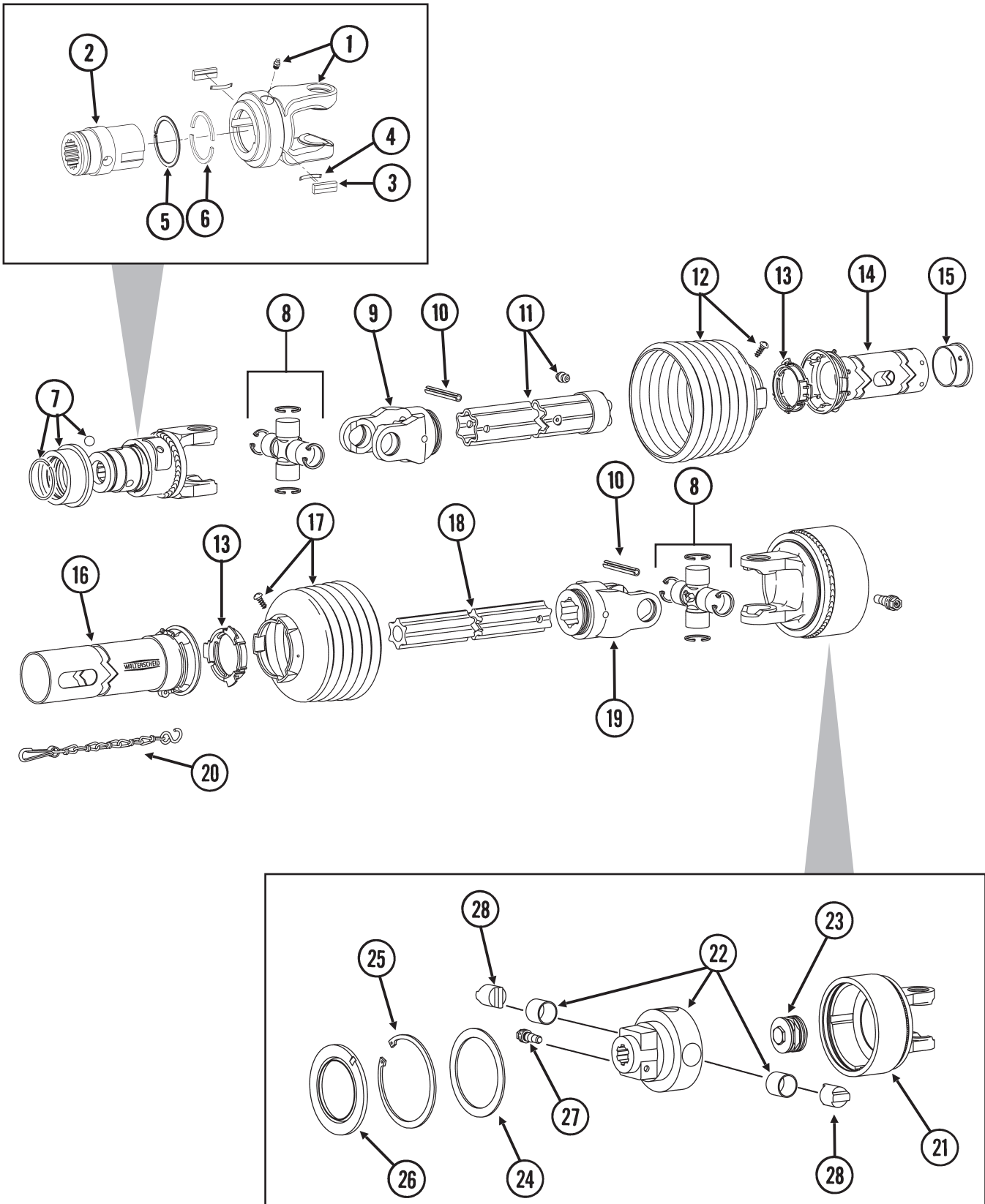
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1223 | 1 | Yoke (Includes Item 2) |
| 2 | GR1246 | - | Quick Disconnect Kit |
| 3 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 4 | GR1215 | 1 | Inboard Yoke |
| 5 | GR1211 | 2 | Spring Pin |
| 6 | GR1614 | 1 | Outer Profile W/Grease Fitting |
| | GR1430 | - | Grease Fitting, $\frac{3}{16}$ ", Drive-In |
| 7 | GR1217 | 2 | Guard Cone W/Screw |
| 8 | GR1220 | 2 | Bearing Ring |
| 9 | GR1618 | 1 | Inner Guard Tube |
| 10 | GR1222 | 1 | Support Bearing |
| 11 | GR1617 | 1 | Outer Guard Tube |
| 12 | GR1212 | 1 | Inboard Yoke |
| 13 | GR1645 | 1 | Inner Profile |
| 14 | GR1221 | 1 | Safety Chain |
| 15 | GR1664 | 1 | Yoke |
| 16 | GR1438 | 1 | Special Grease Fitting, M10-1.25 |
| 17 | GR1669 | 2 | Key |
| 18 | GR1670 | 2 | Leaf Spring |
| 19 | GR1668 | 1 | Hub |
| 20 | GR1655 | 1 | Shear Bolt, M12-1.75 x 60, Grade 8.8 |
| | GR1656 | 1 | Lock Nut W/Nylon Insert, M12-1.75 |
| 21 | GR1666 | 24 | Ball |
| 22 | GR1667 | 1 | Housing |
| 23 | GR1671 | 1 | Support Ring |
| 24 | GR1672 | 1 | Retaining Ring |
| 25 | GR1674 | 2 | Hex Bolt, M16 x 110 |
| | GR1675 | 2 | Lock Nut, M16 |
| 26 | GR1673 | 2 | Bridge Clamp |
| A | GR1612 | - | PTO Half-Tractor (Items 1-10) |
| B | GR1650 | - | PTO Half-Machine (Items 3, 5, 7, 8 And 11-26) |
| C | GR1654 | 1 | Shear Bolt/Overrunning Clutch Assembly (Items 15-26) |

(GR1642/A9990/GR1643)



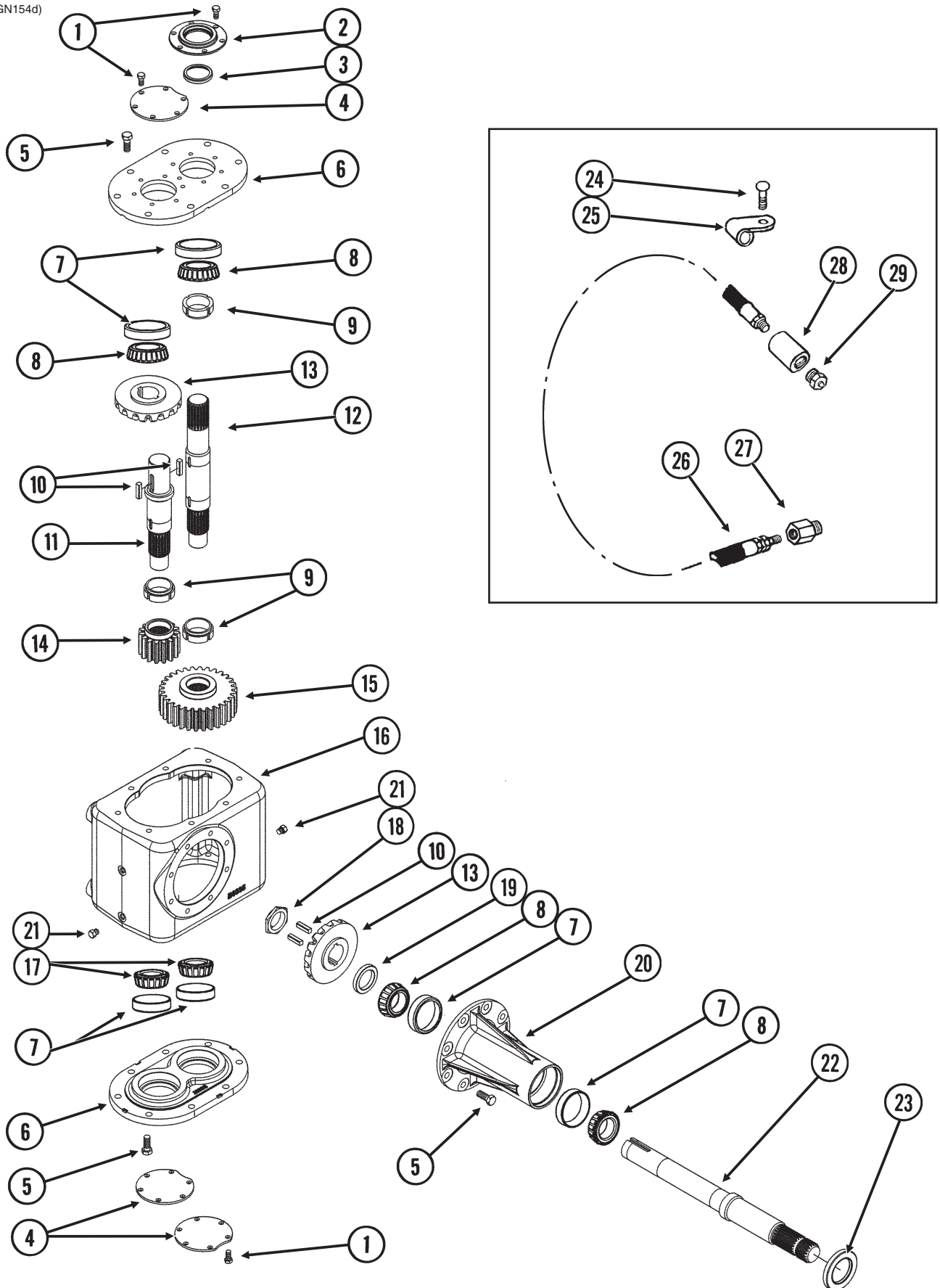
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1693 | 1 | Housing W/Grease Fitting |
| | GR1661 | - | Grease Fitting |
| 2 | GR1694 | 1 | Hub |
| 3 | GR1669 | 2 | Key |
| 4 | GR1670 | 2 | Leaf Spring |
| 5 | GR1672 | 1 | Retaining Ring |
| 6 | GR1695 | 2 | Half Ring |
| 7 | GR1246 | - | Quick Disconnect Kit |
| 8 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 9 | GR1215 | 1 | Inboard Yoke |
| 10 | GR1211 | 2 | Spring Pin |
| 11 | GR1644 | 1 | Profile And Sleeve W/Grease Fitting |
| | GR1430 | - | Grease Fitting, $\frac{3}{16}$ ", Drive-In |
| 12 | GR1217 | 1 | Guard Cone W/Screw |
| 13 | GR1220 | 2 | Bearing Ring |
| 14 | GR1618 | 1 | Inner Guard Tube |
| 15 | GR1222 | 1 | Support Bearing |
| 16 | GR1646 | 1 | Outer Guard Tube |
| 17 | GR1648 | 1 | Guard Cone W/Screw |
| 18 | GR1645 | 1 | Inner Profile |
| 19 | GR1212 | 1 | Inboard Yoke |
| 20 | GR1221 | 1 | Safety Chain |
| 21 | GR1696 | 1 | Housing |
| 22 | GR1697 | 1 | Hub W/Bushings |
| | GR1704 | - | Bushing |
| 23 | GR1698 | 1 | Spring |
| 24 | GR1699 | 1 | Washer |
| 25 | GR1700 | 1 | Retaining Ring |
| 26 | GR1701 | 1 | Ring |
| 27 | GR1649 | - | Lock Assembly |
| 28 | GR1703 | 2 | Cam |
| A | GR1640 | - | PTO Half-Tractor (Items 1-15) |
| B | GR1641 | - | PTO Half-Machine (Items 8, 10, 13 And 16-28) |
| C | GR1642 | - | Overrunning Clutch Yoke (Items 1-7) |
| D | GR1643 | 1 | Torque Limiting Clutch (Items 21-28) |

(GR1642/A12243/GR1788)



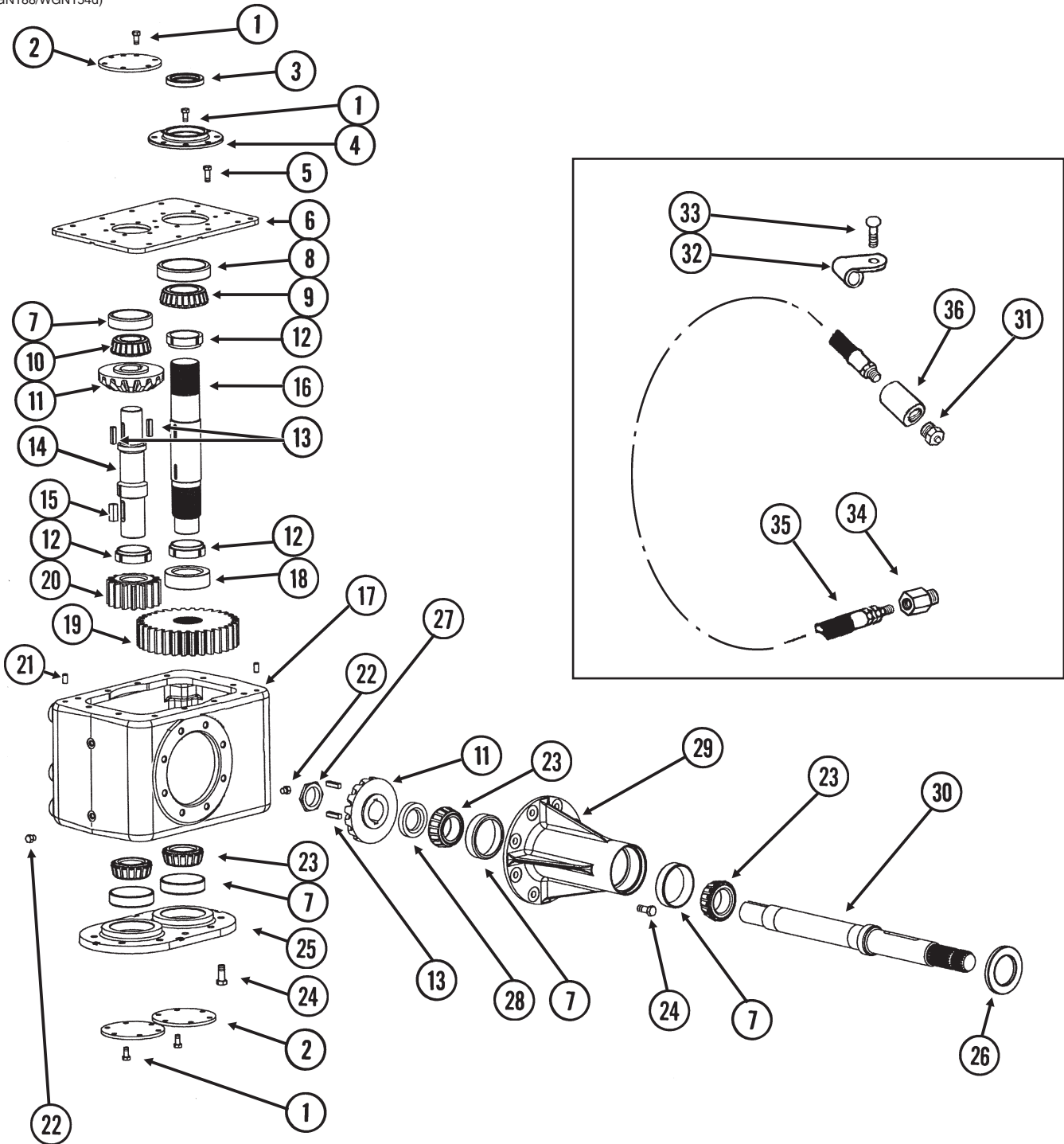
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GR1693 | 1 | Housing W/Grease Fitting |
| | GR1661 | - | Grease Fitting |
| 2 | GR1694 | 1 | Hub |
| 3 | GR1669 | 2 | Key |
| 4 | GR1670 | 2 | Leaf Spring |
| 5 | GR1672 | 1 | Retaining Ring |
| 6 | GR1695 | 2 | Half Ring |
| 7 | GR1246 | - | Quick Disconnect Kit |
| 8 | GR1210 | 2 | Cross And Bearing Kit W/Grease Fitting |
| | GR1300 | - | Grease Fitting, 67.5°, Metric |
| 9 | GR1215 | 1 | Inboard Yoke |
| 10 | GR1211 | 2 | Spring Pin |
| 11 | GR1644 | 1 | Profile And Sleeve W/Grease Fitting |
| | GR1430 | - | Grease Fitting, 3/16", Drive-In |
| 12 | GR1217 | 1 | Guard Cone W/Screw |
| 13 | GR1220 | 2 | Bearing Ring |
| 14 | GR1618 | 1 | Inner Guard Tube |
| 15 | GR1222 | 1 | Support Bearing |
| 16 | GR1646 | 1 | Outer Guard Tube |
| 17 | GR1648 | 1 | Guard Cone W/Screw |
| 18 | GR1645 | 1 | Inner Profile |
| 19 | GR1212 | 1 | Inboard Yoke |
| 20 | GR1221 | 1 | Safety Chain |
| 21 | GR1794 | 1 | Housing |
| 22 | GR1791 | 1 | Hub W/Bushings |
| | GR1704 | - | Bushing |
| 23 | GR1792 | 1 | Spring |
| 24 | GR1699 | 1 | Washer |
| 25 | GR1700 | 1 | Retaining Ring |
| 26 | GR1701 | 1 | Ring |
| 27 | GR1649 | - | Lock Assembly |
| 28 | GR1793 | 4 | Cam |
| A | GR1640 | - | PTO Half-Tractor (Items 1-15) |
| B | GR1789 | - | PTO Half-Machine (Items 8, 10, 13 And 16-28) |
| C | GR1642 | - | Overrunning Clutch Yoke (Items 1-7) |
| D | GR1788 | 1 | Torque Limiting Clutch (Items 21-28) |

(A10525a/WGN154d)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|---|
| 1 | G10002 | 24 | Hex Head Cap Screw, 3/8"-16 x 3/4" |
| 2 | GD14581 | 1 | Bearing Cap |
| 3 | GA10166 | 1 | Seal |
| 4 | GD14580 | 3 | Bearing Cap |
| 5 | G10037 | 24 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| 6 | GD14573 | 2 | Bearing Plate |
| 7 | GD14583 | 6 | Cup |
| 8 | GA10163 | 4 | Bearing |
| 9 | GD14582 | 3 | Swedge Lock Nut, 2"-16 |
| 10 | GD13089 | 4 | Key, 3/8" x 3/8" x 1 3/8" |
| 11 | GD14576 | 1 | Pinion Shaft |
| 12 | GD14577 | 1 | Output Shaft, Splined |
| 13 | GD13087 | 2 | Bevel Gear |
| 14 | GD14574 | 1 | Gear, 15 Tooth |
| 15 | GD14575 | 1 | Gear, 30 Tooth |
| 16 | GD14571 | 1 | Housing |
| 17 | GA10164 | 2 | Bearing |
| 18 | GD13090 | 1 | Stake Nut |
| 19 | GD14579 | 1 | Thrust Washer |
| 20 | GD14572 | 1 | Input Housing |
| 21 | G6408-04 | 2 | Plug W/O-Ring, 7/16"-20 O-Ring |
| | GR1465 | - | O-Ring |
| 22 | GD14578 | 1 | Input Shaft |
| 23 | GA10165 | 1 | Seal |
| 24 | G10305 | 4 | Carriage Bolt, 3/8"-16 x 1" |
| | G10622 | 4 | Serrated Flange Nut, 3/8"-16 |
| 25 | GD6291 | - | Insulated Clamp, 3/8" |
| 26 | GA0504 | 1 | Grease Hose, 24" |
| 27 | G6405-04-02 | 1 | Connector W/O-Ring, 1/8" Female NPT To 7/16"-20 Male O-Ring |
| | GR1465 | - | O-Ring |
| 28 | G10125 | 1 | Pipe Coupling, 1/8" NPT |
| 29 | GA9303 | 1 | Relief Fitting |
| A | GA10525 | - | Gearbox Complete, 650 (Items 1-23) |

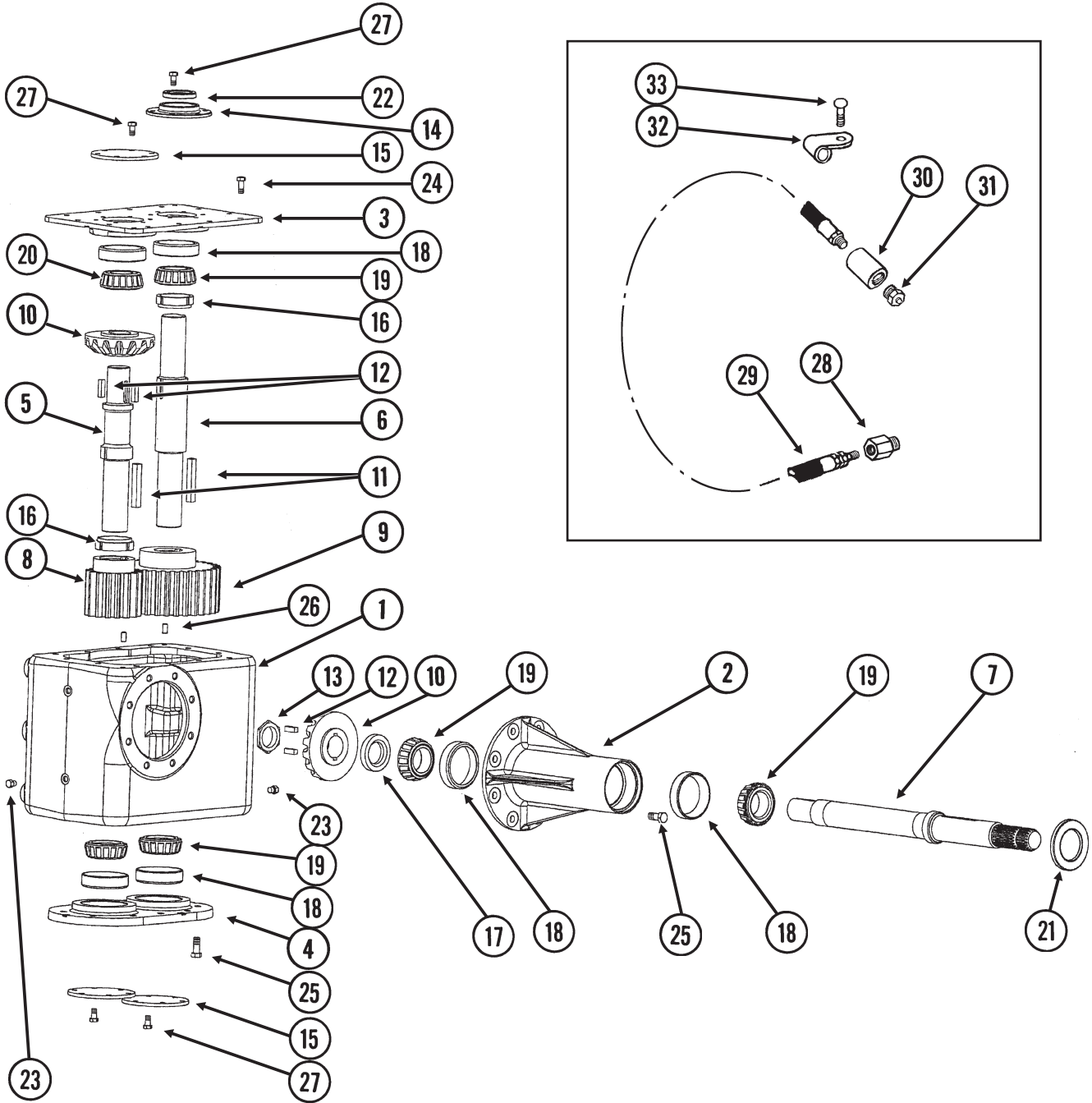
(WGN188/WGN154d)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|---|
| 1 | G10002 | 26 | Hex Head Cap Screw, 3/8"-16 x 3/4" |
| 2 | GD13092 | 3 | Bearing Cap |
| 3 | GA9940 | 1 | Seal |
| 4 | GD14238 | 1 | Bearing Cap |
| 5 | G10001 | 12 | Hex Head Cap Screw, 3/8"-16 x 1" |
| 6 | GD14237 | 1 | Upper Bearing Plate |
| 7 | GD7079 | 5 | Cup |
| 8 | GD14239 | 1 | Cup |
| 9 | GA9939 | 1 | Bearing |
| 10 | GA4723 | 1 | Bearing |
| 11 | GD13087 | 2 | Bevel Gear |
| 12 | GD13093 | 3 | Swedge Lock Nut, 2 1/2"-16 |
| 13 | GD13089 | 4 | Key, 3/8" x 3/8" x 1 3/8" |
| 14 | GD14366 | 1 | Pinion Shaft |
| 15 | GD14396 | 1 | Key, 1/2" x 1/2" x 1 1/4" |
| 16 | GD14367 | 1 | Output Shaft, Splined |
| 17 | GD14364 | 1 | Housing |
| 18 | GD14395 | 1 | Thrust Spacer |
| 19 | GD14370 | 1 | Gear, 32 Tooth |
| 20 | GD14369 | 1 | Gear, 16 Tooth |
| 21 | G11025 | 2 | Dowel, 3/8" Diameter x 3/4" |
| 22 | G6408-04 | 3 | Plug W/O-Ring, 7/16"-20 O-Ring |
| | GR1465 | - | O-Ring |
| 23 | GA9292 | 4 | Bearing |
| 24 | G10037 | 18 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| 25 | GD13086 | 1 | Lower Bearing Plate |
| 26 | GA9301 | 1 | Seal |
| 27 | GD13090 | 1 | Stake Nut |
| 28 | GD13094 | 1 | Thrust Washer |
| 29 | GD14365 | 1 | Input Housing |
| 30 | GD14368 | 1 | Input Shaft |
| 31 | GA9303 | 1 | Relief Fitting |
| 32 | GD6291 | - | Insulated Clamp, 3/8" |
| 33 | G10305 | 4 | Carriage Bolt, 3/8"-16 x 1" |
| | G10622 | 4 | Serrated Flange Nut, 3/8"-16 |
| 34 | G6405-04-02 | 1 | Connector W/O-Ring, 1/8" Female NPT To 7/16"-20 Male O-Ring |
| | GR1465 | - | O-Ring |
| 35 | GA0504 | 1 | Grease Hose, 24" |
| 36 | G10125 | 1 | Pipe Coupling, 1/8" NPT |
| A | GA9802 | - | Gearbox Complete, 850 (Items 1-30) |

(WGN154e)

Prior To Serial No. 505142

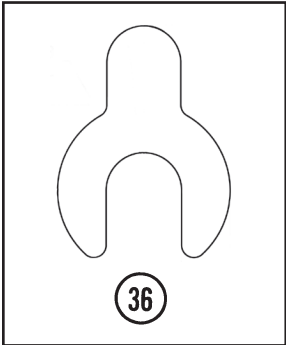
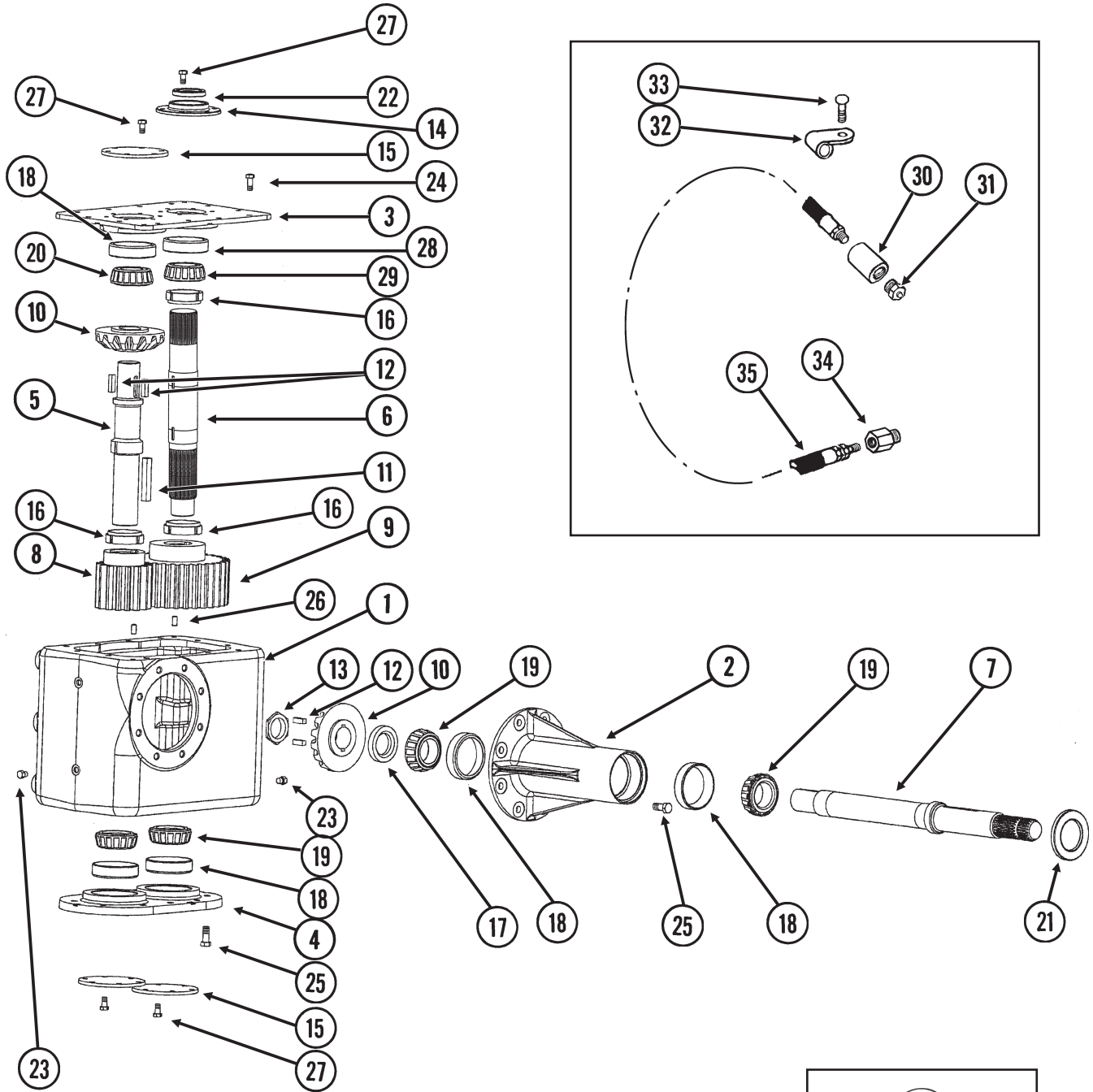


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------------------|--------|--|
| 1 | GD13402 | 1 | Housing |
| 2 | GD13403 | 1 | Input Housing |
| 3 | D13085 | 1 | Upper Bearing Plate (*Non-Stock Item) |
| 4 | GD13086 | 1 | Lower Bearing Plate |
| 5 | GD13080 | 1 | Pinion Shaft |
| 6 | D13081 | 1 | Output Shaft, Keyed (*Non-Stock Item) |
| 7 | GD13082 | 1 | Input Shaft |
| 8 | GD13083 | 1 | Gear, 16 Tooth |
| 9 | D13084 | 1 | Gear, 32 Tooth (*Non-Stock Item) |
| 10 | GD13087 | 1 | Bevel Gear |
| 11 | GD13088 | 2 | Key, 1/2" x 1/2" x 3 1/2" |
| 12 | GD13089 | 4 | Key, 3/8" x 3/8" x 1 3/8" |
| 13 | GD13090 | 1 | Stake Nut |
| 14 | D13091 | 1 | Bearing Cap (*Non-Stock Item) |
| 15 | GD13092 | 3 | Bearing Cap |
| 16 | GD13093 | 2 | Swedge Lock Nut, 2 1/2"-16 |
| 17 | GD13094 | 1 | Thrust Washer |
| 18 | GD7079 | 6 | Cup |
| 19 | GA9292 | 5 | Bearing |
| 20 | GA4723 | 1 | Bearing |
| 21 | GA9301 | 1 | Seal |
| 22 | GA9302 | 1 | Seal |
| 23 | G6408-04 GR1465 | 2 - | Plug W/O-Ring, 7/16"-20 O-Ring O-Ring |
| 24 | G10001 | 12 | Hex Head Cap Screw, 3/8"-16 x 1" |
| 25 | G10037 | 18 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| 26 | G11025 | 2 | Dowel, 3/8" Diameter x 3/4" |
| 27 | G10002 | 24 | Hex Head Cap Screw, 3/8"-16 x 3/4" |
| 28 | G6405-04-02 GR1465 | 1 - | Connector W/O-Ring, 1/8" Female NPT To 7/16"-20 Male O-Ring O-Ring |
| 29 | GA0504 | 1 | Grease Hose, 24" |
| 30 | G10125 | 1 | Pipe Coupling, 1/8" NPT |
| 31 | GA9303 | 1 | Relief Fitting |
| 32 | GD6291 | - | Insulated Clamp, 3/8" |
| 33 | G10305 G10622 | - - | Carriage Bolt, 3/8"-16 x 1" Serrated Flange Nut, 3/8"-16 |
| A | G1K369 | - | Gearbox Complete (Remanufactured) W/Splined Coupler, 1050 (Items 1-29 On "Gearbox, 1050" on page P22 And Item 21 On "Vertical Auger - Lower Section, 850/1050" on page P37) |

* Replace with G1K369. Contact Kinze Service Department for exchange information.

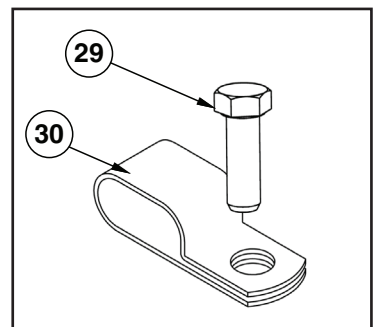
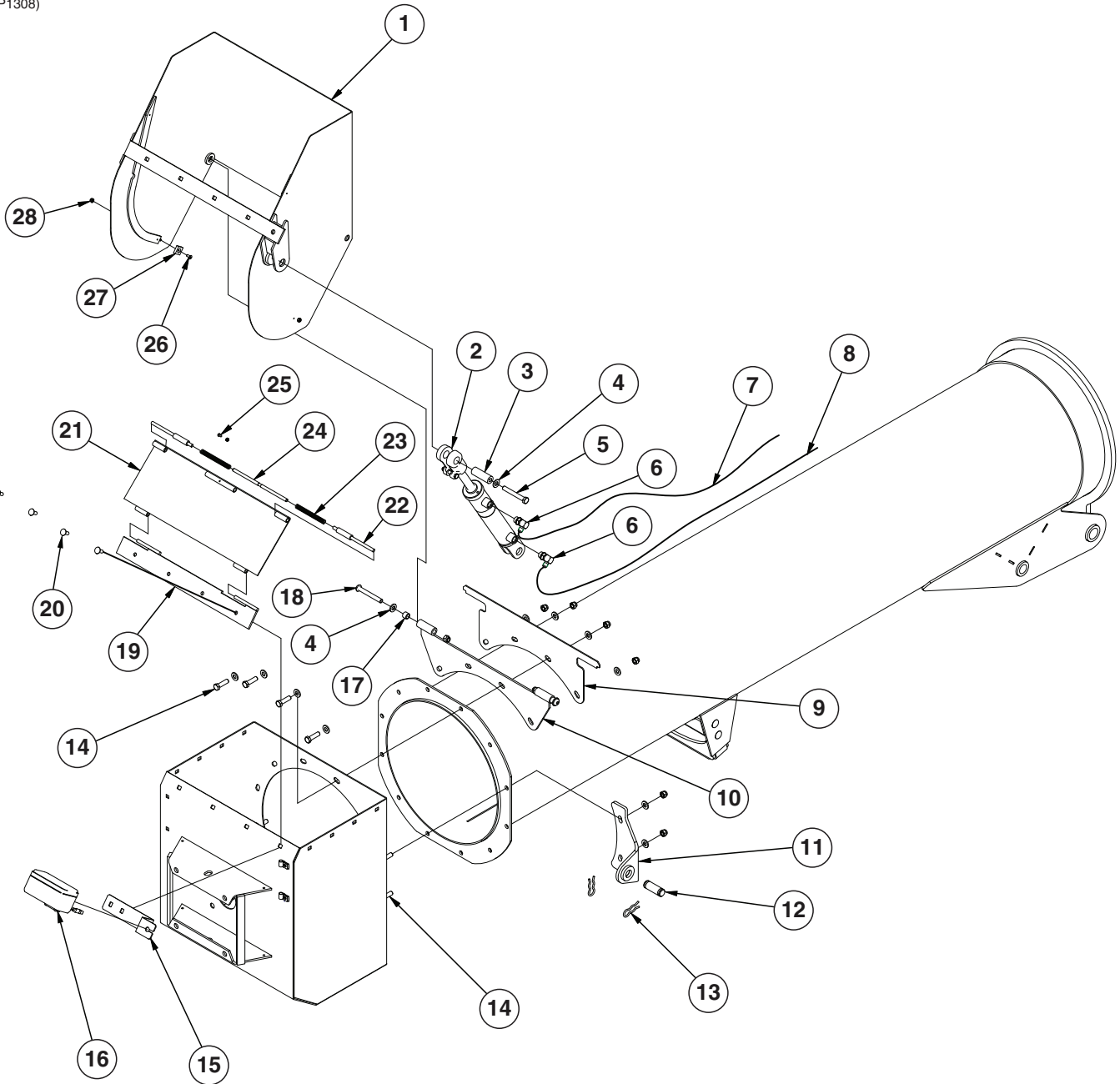
(WGN154f)

Serial No. 505142 And On



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|---|
| 1 | GD13402 | 1 | Housing |
| 2 | GD13403 | 1 | Input Housing |
| 3 | GD14237 | 1 | Upper Bearing Plate |
| 4 | GD13086 | 1 | Lower Bearing Plate |
| 5 | GD13080 | 1 | Pinion Shaft |
| 6 | GD14241 | 1 | Output Shaft, Splined |
| 7 | GD13082 | 1 | Input Shaft |
| 8 | GD13083 | 1 | Gear, 16 Tooth |
| 9 | GD14242 | 1 | Gear, 32 Tooth |
| 10 | GD13087 | 1 | Bevel Gear |
| 11 | GD13088 | 1 | Key, 1/2" x 1/2" x 3 1/2" |
| 12 | GD13089 | 4 | Key, 3/8" x 3/8" x 1 3/8" |
| 13 | GD13090 | 1 | Stake Nut |
| 14 | GD14238 | 1 | Bearing Cap |
| 15 | GD13092 | 3 | Bearing Cap |
| 16 | GD13093 | 3 | Swedge Lock Nut, 2 1/2"-16 |
| 17 | GD13094 | 1 | Thrust Washer |
| 18 | GD7079 | 5 | Cup |
| 19 | GA9292 | 4 | Bearing |
| 20 | GA4723 | 1 | Bearing |
| 21 | GA9301 | 1 | Seal |
| 22 | GA9940 | 1 | Seal |
| 23 | G6408-04 | 3 | Plug W/O-Ring, 7/16"-20 O-Ring |
| | GR1465 | - | O-Ring |
| 24 | G10001 | 12 | Hex Head Cap Screw, 3/8"-16 x 1" |
| 25 | G10037 | 18 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| 26 | G11025 | 2 | Dowel, 3/8" Diameter x 3/4" |
| 27 | G10002 | 26 | Hex Head Cap Screw, 3/8"-16 x 3/4" |
| 28 | GD14239 | 1 | Cup |
| 29 | GA9939 | 1 | Bearing |
| 30 | G10125 | 1 | Pipe Coupling, 1/8" NPT |
| 31 | GA9303 | 1 | Relief Fitting |
| 32 | GD6291 | - | Insulated Clamp, 3/8" |
| 33 | G10305 | - | Carriage Bolt, 3/8"-16 x 1" |
| | G10622 | - | Serrated Flange Nut, 3/8"-16 |
| 34 | G6405-04-02 | 1 | Connector W/O-Ring, 1/8" Female NPT To 7/16"-20 Male O-Ring |
| | GR1465 | - | O-Ring |
| 35 | GA0504 | 1 | Grease Hose, 24" |
| 36 | GD21265 | - | Gearbox Shim |
| A | GA9938 | - | Gearbox Complete, 1050 (Items 1-29) |

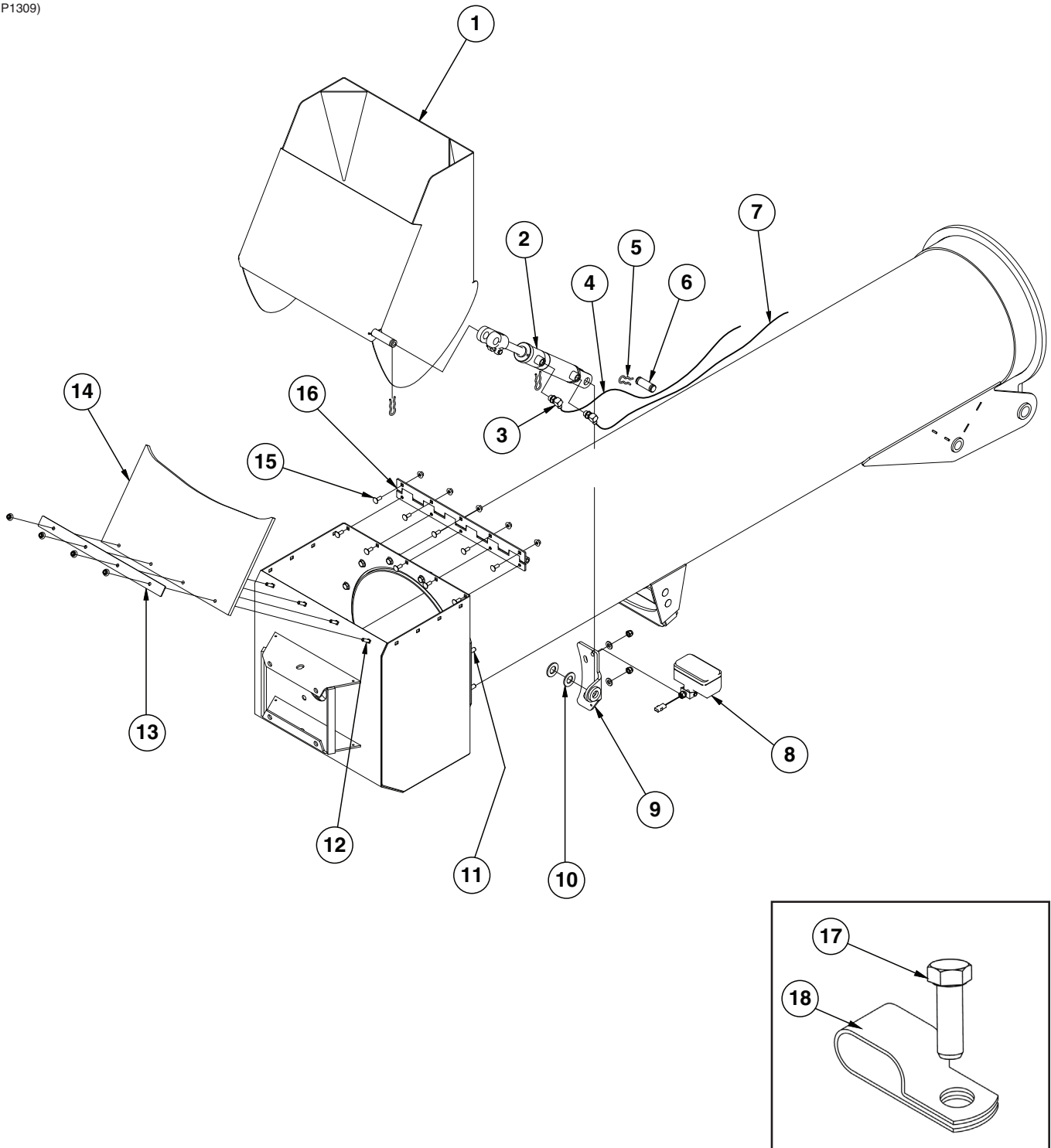
(IP1308)



**Adjustable Discharge Spout, 850/1050
(Prior to 2011 production)**

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------------------------|-------------|--|
| 1 | GA12124 GA11979 | 1 - | Discharge Spout, 850 Discharge Spout, 1050 |
| 2 | --- | - | "Adjustable Discharge Spout Cylinder" on page P118 |
| 3 | GD6172-05 | 1 | Sleeve, 1" O.D. x 1/2" I.D. x 2 7/8" |
| 4 | G11389 | 1 | Washer, 1/2" SAE |
| 5 | G10032 | 1 | Hex Head Cap Screw, 1/2"-13 x 3 3/4" |
| 6 | G6801-06-08 GR1037 | 2 - | Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring |
| 7 | GA7646 | 1 | Hose Assembly, 1/4" x 336" |
| 8 | GA7645 | 1 | Hose Assembly, 1/4" x 327" |
| 9 | GD17185 GD17158 | 1 1 | Hinge Seal, 850 Hinge Seal, 1050 |
| 10 | GA12119 GA11975 | 1 1 | Hinge Mount, 850 Hinge Mount, 1050 |
| 11 | GA12120 GA11974 | 1 1 | Angle Mount, 850 Angle Mount, 1050 |
| 12 | GR0367 | 1 | Pin, 1" x 2 7/8" |
| 13 | GR0193 | 2 | Hair Pin Clip |
| 14 | G10039 G11389 G10111 | 6 6 6 | Hex Head Cap Screw, 1/2"-13 x 1 3/4" Washer, 1/2" SAE Lock Nut, 1/2"-13 |
| 15 | GD17116 | 1 | Light Bracket |
| 16 | --- | 1 | "Safety/Warning and Work Lights" on page P123 |
| 17 | GD11158 | 2 | Spacer, 3/4" O.D. x 9/16" Long |
| 18 | G11275 G11389 G10111 | 2 2 2 | Hex Socket Button Head Cap Screw, 1/2"-13 x 4" Washer, 1/2" SAE Lock Nut, 1/2"-13 |
| 19 | GA12118 GA11976 | 1 1 | Hinge, 850 Hinge, 1050 |
| 20 | G10305 G11091 | 4 4 | Carriage Bolt, 3/8"-16 x 1" Serrated Flange Nut, 3/8"-16 |
| 21 | GA12121 GA11977 | 1 1 | Diverter Flap, 850 Diverter Flap, 1050 |
| 22 | GA11978 | 2 | Plated Pin |
| 23 | GD19006 | 2 | Compression Spring, 5" |
| 24 | GD17126 | 1 | Diverter Pin |
| 25 | G11216 G10758 | 1 1 | Phillips Pan Head Machine Screw, No. 10-32 x 1/2", Stainless Steel Hex Nut, No. 10-32 |
| 26 | G11127 | 2 | Hex Socket Head Cap Screw, 1/4" - 20 x 1/2" |
| 27 | GD17115 | 2 | Wear Pad |
| 28 | G10110 | 2 | Lock Nut, 1/4"-20, Grade B |
| 29 | G10004 G11091 | 4 4 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" Serrated Flange Nut, 3/8"-16 |
| 30 | GD17161 | 4 | Double Insulated Clamp |

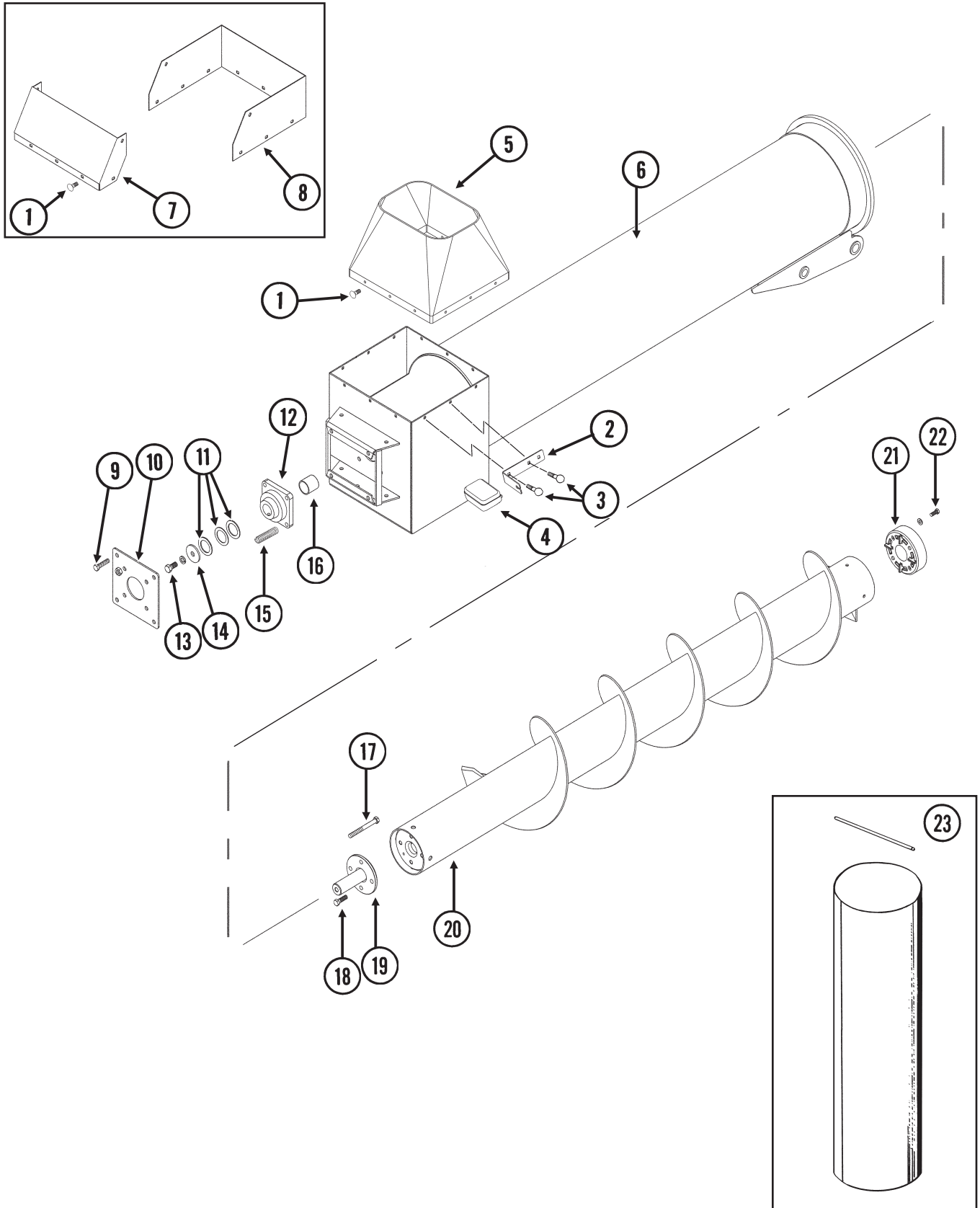
(IP1309)



**Adjustable Discharge Spout, 850/1050
(2011 production and on)**

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------------------------|-------------|---|
| 1 | GA16698 GA16700 | 1 - | Adjustable Discharge Spout, 850 Adjustable Discharge Spout, 1050 |
| 2 | --- | - | "Adjustable Discharge Spout Cylinder" on page P118 |
| 3 | G6801-06-08 GR1037 | 2 - | Elbow W/O-Ring, 90°, 3/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring |
| 4 | GA7645 | 1 | Hose Assembly, 1/4" x 327" |
| 5 | GR0193 | 3 | Hair Pin Clip |
| 6 | GR0367 | 1 | Pin, 1" x 2 7/8" |
| 7 | GA7646 | 1 | Hose Assembly, 1/4" x 336" |
| 8 | --- | 1 | "Safety/Warning and Work Lights" on page P123 |
| 9 | GA14796 GA14699 | 1 - | Angle Mount, 850 Angle Mount, 1050 |
| 10 | G11394 | 2 | Flat Washer, 1" SAE |
| 11 | G10039 G11389 G10111 | 2 2 2 | Hex Head Cap Screw, 1/2"-13 x 1 3/4" Washer, 1/2" SAE Lock Nut, 1/2"-13 |
| 12 | G10301 G11091 | 4 4 | Carriage Bolt, 3/8"-16 x 1 1/2" Serrated Flange Nut, 3/8"-16 |
| 13 | GD21151 GD20997 | 1 - | Diverter Bar, 850 Diverter Bar, 1050 |
| 14 | GD21367 GD21368 | 1 - | Flexible Diverter, 850 Flexible Diverter, 1050 |
| 15 | G10305 G11091 | 10 10 | Carriage Bolt, 3/8"-16 x 1" Serrated Flange Nut, 3/8"-16 |
| 16 | GA16697 GA16699 | 1 - | Continuous Hinge, 850 Continuous Hinge, 1050 |
| 17 | G10004 G11091 | 4 4 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" Serrated Flange Nut, 3/8"-16 |
| 18 | GD17161 | 4 | Double Insulated Clamp |

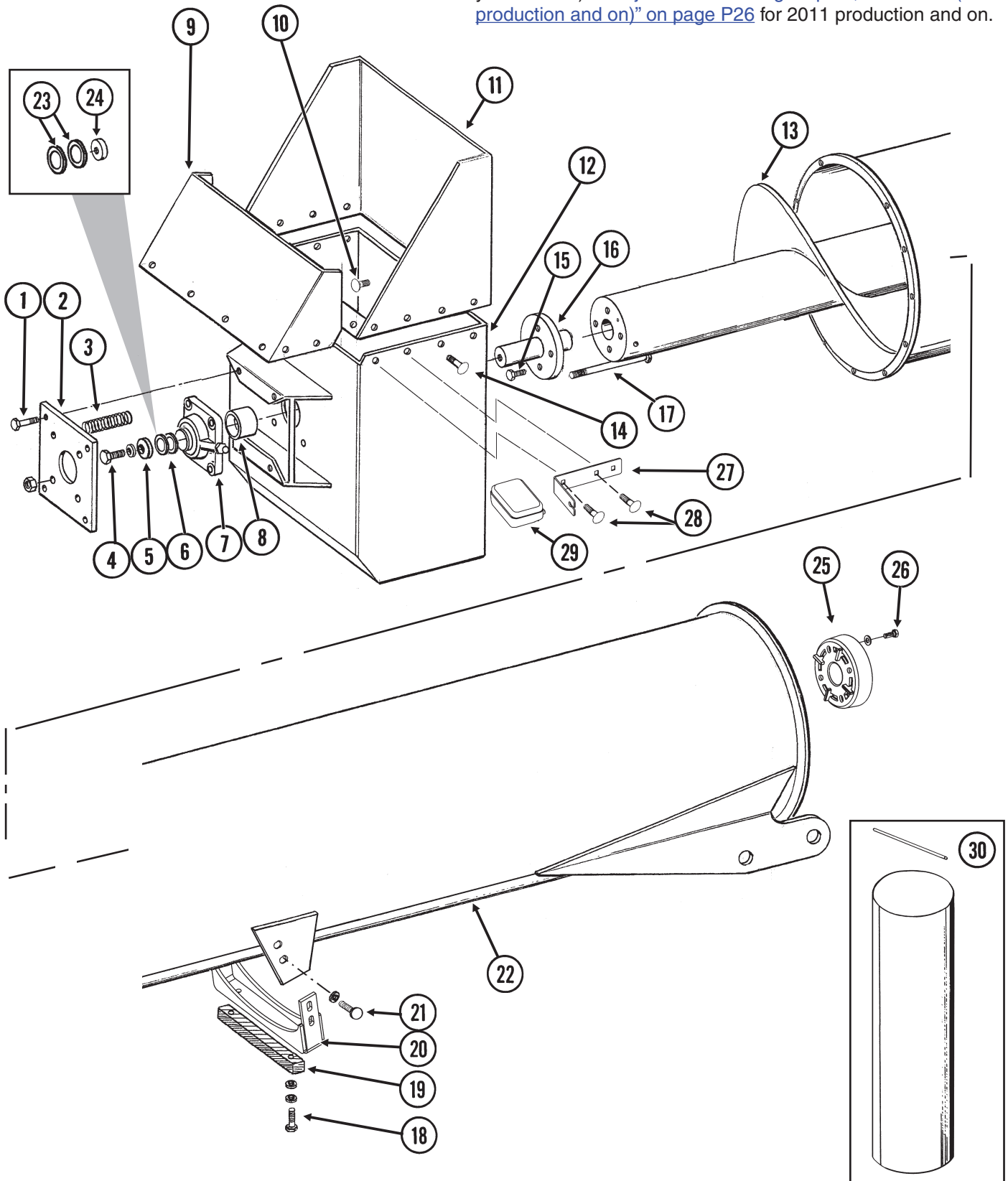
(A10232c)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|--|
| 1 | G10305 | 14 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 14 | Serrated Flange Nut, 3/8"-16 |
| 2 | GD15942 | 1 | Light Bracket |
| 3 | G10305 | 2 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 2 | Serrated Flange Nut, 3/8"-16 |
| 4 | --- | - | "Safety/Warning and Work Lights" on page P123 |
| 5 | GD16543 | 1 | Discharge Chute |
| 6 | GA10230 | 1 | Upper Auger Housing |
| 7 | GD15391 | 1 | Top Chute |
| 8 | GD15390 | 1 | Discharge Chute |
| 9 | G10942 | 4 | Hex Head Cap Screw, 5/8"-11 x 2 1/2", Full Thread |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 10 | GD13778 | 1 | Spring Plate |
| 11 | G10234 | - | Machine Bushing, 2 1/8", 10 Gauge (As Required) |
| | G10336 | - | Machine Bushing, 2 1/8", 14 Gauge (As Required) |
| 12 | GA0449 | 1 | Bearing W/Lock Collar, Set Screw And Grease Fitting, 2" |
| | GR0265 | - | Lock Collar ("FAFNIR" Stamped On Bearing) |
| | G10080 | - | Hex Socket Set Screw, 7/16"-14 x 7/16" ("FAFNIR" Stamped On Bearing) |
| | GR1376 | - | Lock Collar ("SKF" Stamped On Bearing) |
| | G10850 | - | Hex Socket Set Screw, 7/16"-20 x 7/16" ("SKF" Stamped On Bearing) |
| | GR1434 | - | Lock Collar ("INA" Stamped On Bearing) |
| | G10120 | - | Hex Socket Set Screw, 3/8"-16 x 1/2" ("INA" Stamped On Bearing) |
| | GR1174 | - | Lock Collar ("FYH" Stamped On Bearing) |
| | G10849 | - | Hex Socket Set Screw, 3/8"-24 x 1/2" ("FYH" Stamped On Bearing) |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 13 | G10025 | 1 | Hex Head Cap Screw, 3/4"-10 x 1 1/2" |
| | G10231 | 1 | Lock Washer, 3/4" |
| 14 | GD9592 | 1 | Special Washer |
| 15 | GD6433 | 4 | Spring |
| 16 | GD3457-09 | 1 | Sleeve, 2" x 2 1/4" Long |
| 17 | GD6462 | 4 | Special Bolt, 5/8"-11 x 6" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 18 | G10008 | 4 | Hex Head Cap Screw, 5/8"-11 x 2" |
| 19 | GA9285 | 1 | Bearing Spindle |
| 20 | GA10531 | 1 | Upper Auger, L.H., 16" x 105 1/2" |
| 21 | GB0334 | 1 | Auger Drive Lug |
| 22 | G10037 | 4 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | G11389 | 4 | Washer, 1/2" SAE |
| 23 | G1K507 | - | Upper Vertical Auger Housing Kit |

(WGN153c/WGN152a/WGN152/B0334)

Items 9, 11, 14, and 27-28 are for models prior to 2011 production (see item description for serial no. and/or production year breaks). [“Adjustable Discharge Spout, 850/1050 \(2011 production and on\)”](#) on page P26 for 2011 production and on.

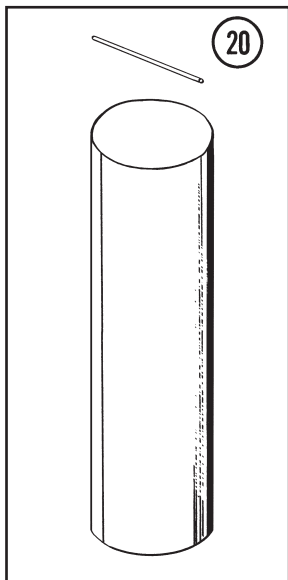
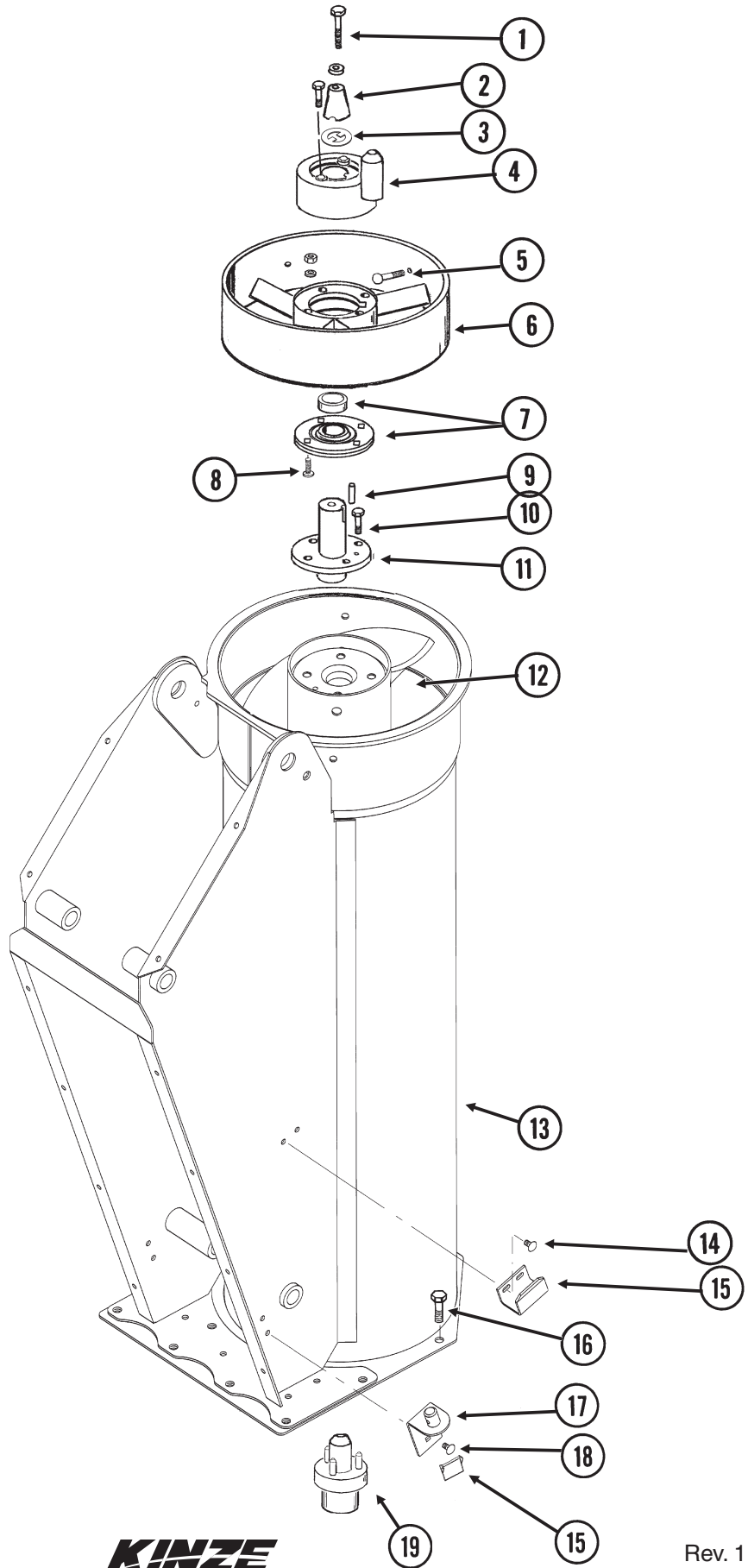


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|--|
| 1 | G10942 | 4 | Hex Head Cap Screw, 5/8"-11 x 2 1/2", Full Thread |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 2 | GD13778 | 1 | Spring Plate |
| 3 | GD6433 | 4 | Spring |
| 4 | G10025 | 1 | Hex Head Cap Screw, 3/4"-10 x 1 1/2" |
| | G10026 | - | Hex Head Cap Screw, 3/4"-10 x 2" (As Required) |
| | G10231 | 1 | Lock Washer, 3/4" |
| 5 | GD9592 | 1 | Special Washer |
| 6 | G10234 | - | Machine Bushing, 2 1/8", 10 Gauge (As Required) |
| | G10336 | - | Machine Bushing, 2 1/8", 14 Gauge (As Required) |
| 7 | GA0449 | 1 | Bearing W/Lock Collar, Set Screw And Grease Fitting, 2" |
| | GR0265 | - | Lock Collar ("FAFNIR" Stamped On Bearing) |
| | G10080 | - | Hex Socket Set Screw, 7/16"-14 x 7/16" ("FAFNIR" Stamped On Bearing) |
| | GR1376 | - | Lock Collar ("SKF" Stamped On Bearing) |
| | G10850 | - | Hex Socket Set Screw, 7/16"-20 x 7/16" ("SKF" Stamped On Bearing) |
| | GR1434 | - | Lock Collar ("INA" Stamped On Bearing) |
| | G10120 | - | Hex Socket Set Screw, 3/8"-16 x 1/2" ("INA" Stamped On Bearing) |
| | GR1174 | - | Lock Collar ("FYH" Stamped On Bearing) |
| | G10849 | - | Hex Socket Set Screw, 3/8"-24 x 1/2" ("FYH" Stamped On Bearing) |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 8 | GD3457-09 | 1 | Sleeve, 2" x 2 1/4" Long |
| 9 | GD13940 | 1 | Top Chute, 850 (Prior to 2011 production) |
| | GD13711 | - | Top Chute, 1050 (Prior to 2011 production) |
| 10 | G10039 | 12 | Hex Head Cap Screw, 1/2"-13 x 1 3/4" |
| | G11389 | 12 | Washer, 1/2" SAE |
| | G10111 | 12 | Lock Nut, 1/2"-13 |
| 11 | GD13939 | 1 | Discharge Chute, 850 |
| | GD13710 | - | Discharge Chute, 1050 (Prior To Serial No. 505442) |
| | GD14588 | - | Discharge Chute, 1050 (Serial No. 505442 And On) |
| 12 | GA9758 | 1 | Discharge Head, 850 (Prior to 2011 production) |
| | GA14979 | - | Discharge Head, 850 (2011 Production And On) |
| | GA9326 | - | Discharge Head, 1050 (Prior To Serial No. 505442) |
| | GA10170 | - | Discharge Head, 1050 (Serial No. 505442 And On) |
| | GA14978 | - | Discharge Head, 1050 (2011 Production And On) |
| 13 | GA9743 | 1 | Upper Auger, L.H., 18" x 122 1/2", 850 (Prior To Serial No. 505442) |
| | GA10178 | - | Upper Auger, L.H., 18" x 122 1/2", 850 (Serial No. 505442 And On) |
| | GA9255 | - | Upper Auger, L.H., 20" x 122 1/2", 1050 (Prior To Serial No. 505442) |
| | GA10177 | - | Upper Auger, L.H., 20" x 122 1/2", 1050 (Serial No. 505442 And On) |
| 14 | G10305 | 12 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 12 | Serrated Flange Nut, 3/8"-16 |
| 15 | G10006 | 4 | Hex Head Cap Screw, 5/8"-11 x 2 1/4" |
| 16 | GA9285 | 1 | Bearing Spindle |
| 17 | GD6462 | 4 | Special Bolt, 5/8"-11 x 6" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 18 | G10017 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 2 | Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 19 | GA9088 | 1 | Molded Stop, 12 1/4" Long (Replaces GD4512 And GD6772) |
| 20 | GA9976 | 1 | Bar |
| 21 | G10636 | 4 | Carriage Bolt, 1/2"-13 x 1 1/2" |
| | G11389 | 4 | Washer, 1/2" SAE |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 22 | GA9744 | 1 | Upper Auger Housing, 850 |
| | GA9295 | - | Upper Auger Housing, 1050 (Prior To Serial No. 505442) |
| | GA10181 | - | Upper Auger Housing, 1050 (Serial No. 505442 And On) |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 23 | G10234 | - | Machine Bushing, 2 $\frac{1}{8}$ ", 10 Gauge (As Required) |
| | G10892 | - | Machine Bushing, 2 $\frac{1}{8}$ ", 18 Gauge (As Required) |
| 24 | GD14155 | - | Spacer, 1/2" (As Required) |
| 25 | GB0334 | 1 | Auger Drive Lug (Serial No. 505442 And On) |
| 26 | G10017 | 4 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 4 | Washer, 1/2" SAE |
| 27 | GD15942 | 1 | Light Bracket |
| 28 | G10305 | 2 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 2 | Serrated Flange Nut, 3/8"-16 |
| 29 | --- | - | "Safety/Warning and Work Lights" on page P122 |
| 30 | G1K505 | - | Upper Vertical Auger Housing Kit, 850 |
| | G1K503 | - | Upper Vertical Auger Housing Kit, 1050 (Prior to Serial Number 505442) |
| | G1K502 | - | Upper Vertical Auger Housing Kit, 1050 (Serial Number 505442 and on) |

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(WGN207a)

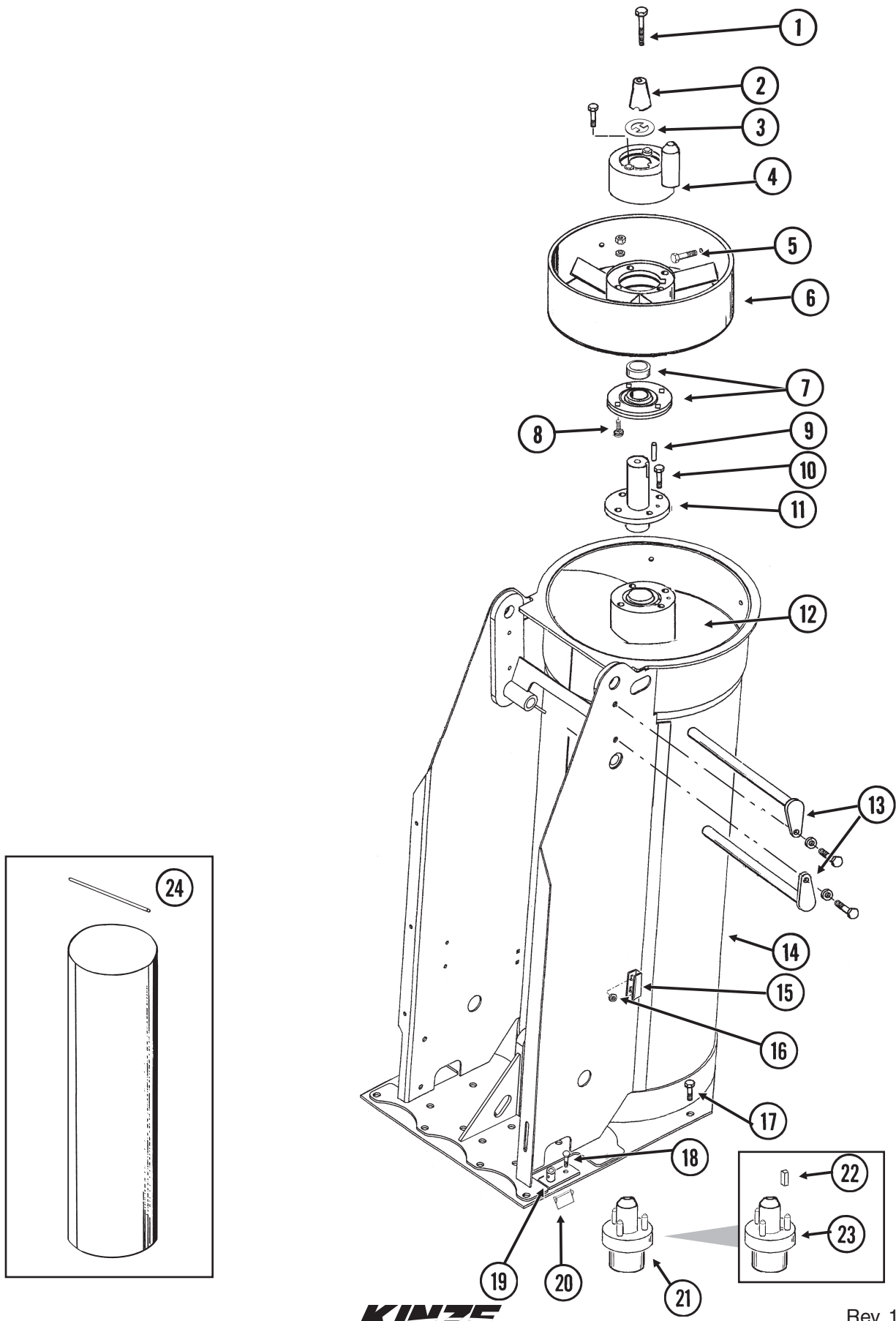


P34



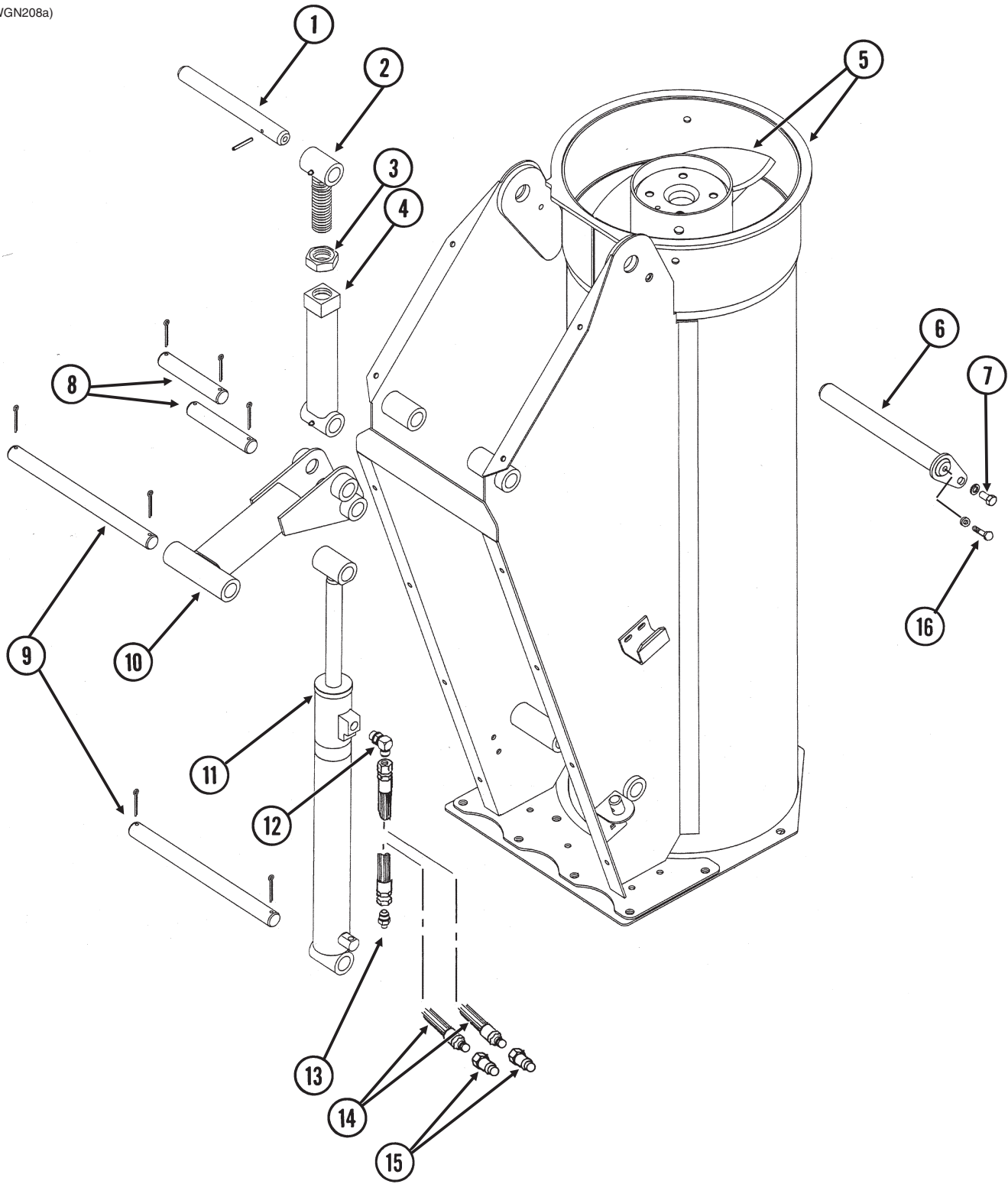
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| 1 | G10050 | 1 | Hex Head Cap Screw, 3/4"-10 x 5" |
| | G10231 | 1 | Lock Washer, 3/4" |
| 2 | GD13800 | 1 | Cap |
| 3 | GD16458 | 1 | Disc, Rubber |
| 4 | GA9920 | 1 | Drive Lug |
| | G11057 | 2 | Hex Socket Head Cap Screw, 1/2"-20 x 1" |
| 5 | G10636 | 4 | Carriage Bolt, 1/2"-13 x 1 1/2" |
| | G11389 | 8 | Washer, 1/2" SAE |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 6 | GA9774 | 1 | Hanger Bearing Bracket, 18 3/8" |
| 7 | GA11600 | 1 | Flange Bearing W/Lock Collar And Grease Fitting, 2" |
| | GR1174 | - | Lock Collar ("FYH" Stamped On Bearing) |
| | G10849 | - | Hex Socket Set Screw, 3/8"-24 x 1/2" |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 8 | G10636 | 4 | Carriage Bolt, 1/2"-13 x 1 1/2" |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 9 | GD3374-07 | 1 | Round Key, 1/2" Diameter x 2" |
| 10 | G10008 | 4 | Hex Head Cap Screw, 5/8"-11 x 2" |
| 11 | GA9284 | 1 | Bullet Spindle |
| 12 | GA10533 | 1 | Lower Auger, L.H., 16" x 77 3/4" |
| 13 | GA10521 | 1 | Lower Vertical Auger Housing |
| 14 | G10308 | 4 | Carriage Bolt, 3/8"-16 x 3/4" |
| | G10622 | 4 | Serrated Flange Nut, 3/8"-16 |
| 15 | GD13755 | 1 | Handle Holder |
| 16 | G10005 | 10 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G11391 | 10 | Washer, 5/8", SAE |
| | G10104 | 10 | Hex Nut, 5/8"-11 |
| 17 | GA10582 | 1 | Handle Storage Bracket |
| 18 | GD10705 | 1 | Locking Clip Pin, 1/4" x 2 1/2" |
| 19 | GA10229 | 1 | Splined Drive Lug |
| 20 | G1K508 | - | Lower Vertical Auger Housing Liner Kit |

(WGN151p)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|--|
| 1 | G11374 | 1 | Hex Socket Head Cap Screw, 3/4"-10 x 5" |
| 2 | GD13800 | 1 | Cap |
| 3 | GD16458 | 1 | Disc, Rubber |
| 4 | GA9920 | 1 | Drive Lug, 850/1050 (Serial No. 505142 And On) |
| | G11057 | 2 | Hex Socket Head Cap Screw, 1/2"-20 x 1" |
| | G1K353 | 1 | Drive Lug Kit, 1050 (Prior To Serial No. 505142) |
| 5 | G10636 | 4 | Carriage Bolt, 1/2"-13 x 1 1/2" |
| | G11389 | 4 | Washer, 1/2" SAE |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 6 | GA9757 | 1 | Hanger Bearing Bracket, 20 3/8", 850 |
| | GA9259 | - | Hanger Bearing Bracket, 22 3/8", 1050 |
| 7 | GA11600 | 1 | Flange Bearing W/Lock Collar And Grease Fitting, 2" |
| | GR1174 | - | Lock Collar ("FYH" Stamped On Bearing) |
| | G10849 | - | Hex Socket Set Screw, 3/8"-24 x 1/2" |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 8 | G10636 | 4 | Carriage Bolt, 1/2"-13 x 1 1/2" |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 9 | GD3374-07 | 1 | Round Key, 1/2" Diameter x 2" |
| 10 | G10008 | 4 | Hex Head Cap Screw, 5/8"-11 x 2" |
| 11 | GA9284 | 1 | Bullet Spindle |
| 12 | GA9742 | 1 | Lower Auger, L.H., 18" x 77 3/4", 850 |
| | GA9254 | - | Lower Auger, L.H., 20" x 77 3/4", 1050 |
| 13 | --- | - | "Vertical Auger - Folding Linkage, 850/1050" on page P40 |
| 14 | GA9745 | 1 | Lower Vertical Auger Housing, 850 |
| | GA9294 | - | Lower Vertical Auger Housing, 1050 |
| 15 | GD13755 | 1 | Handle Holder |
| 16 | G10308 | 2 | Carriage Bolt, 3/8"-16 x 3/4" |
| | G10622 | 2 | Serrated Flange Nut, 3/8"-16 |
| 17 | G10689 | 10 | Carriage Bolt, 5/8"-11 x 2" |
| | G11391 | 10 | Washer, 5/8", SAE |
| | G10104 | 10 | Hex Nut, 5/8"-11 |
| 18 | G10305 | 1 | Carriage Bolt, 3/8"-16 x 1" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 19 | GA9356 | 1 | Handle Storage Bracket |
| 20 | GD10705 | 1 | Locking Clip Pin, 1/4" x 2 1/2" |
| 21 | GA10168 | 1 | Splined Drive Lug, 850/1050 (1050-Serial No. 505142 And On) |
| 22 | GD0148 | 1 | Key, 1/2" x 1/2" x 2 1/2" |
| 23 | GA9367 | 1 | Keyed Drive Lug, 1050 (Prior To Serial No. 505142) |
| 24 | G1K506 | - | Lower Vertical Auger Housing Liner Kit, 850 |
| | G1K504 | - | Lower Vertical Auger Housing Liner Kit, 1050 |

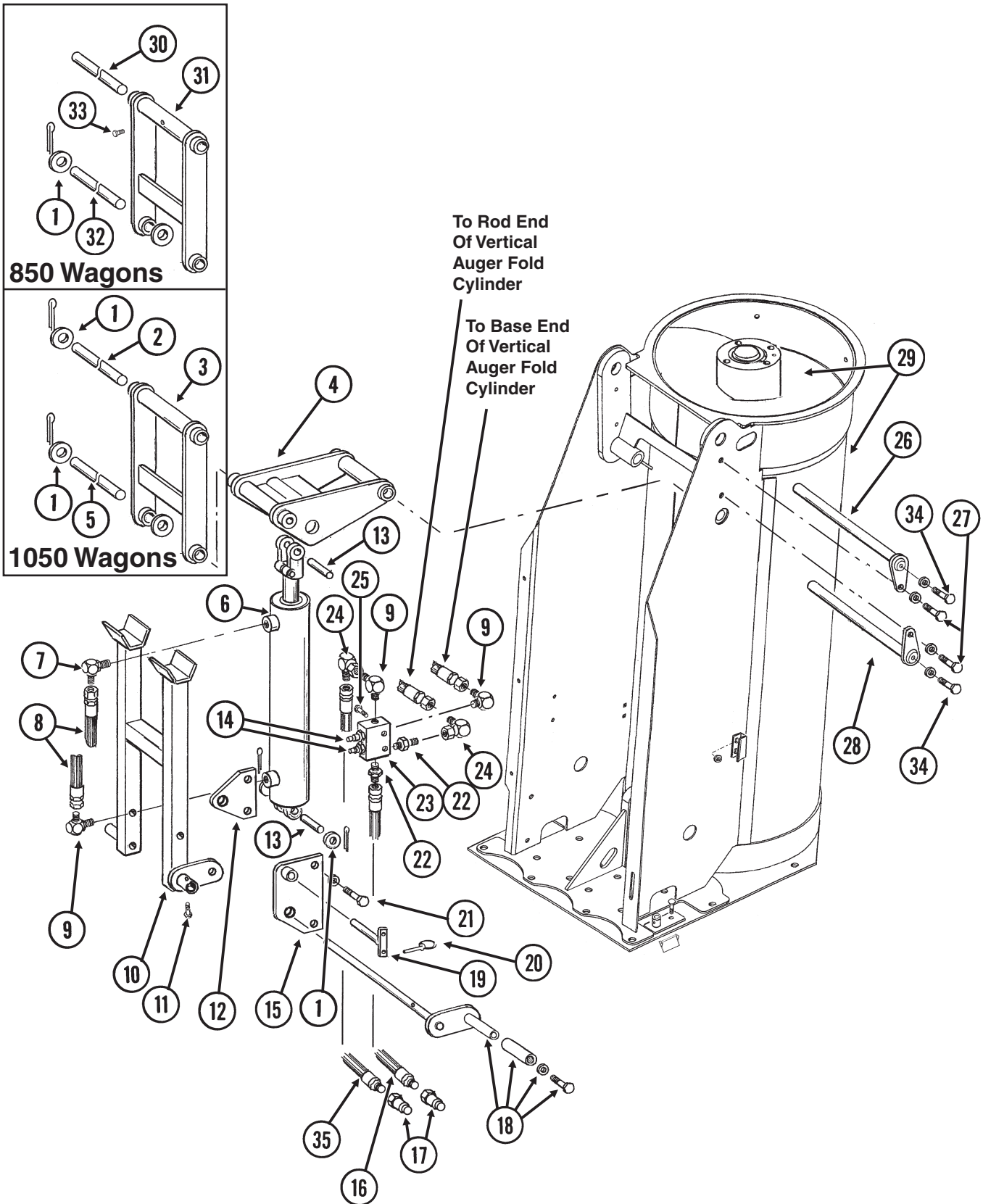
(WGN208a)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|--|
| 1 | GD15408 | 1 | Pin, 1¼" x 12" |
| | G10606 | 1 | Spring Pin, ¼" x 2" |
| 2 | GA10563 | 1 | Fold Arm W/Grease Fitting |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 3 | G10509 | 1 | Hex Jam Nut, 1¼"-12, Grade 2 |
| 4 | GA10562 | 1 | Fold Arm Link W/Grease Fitting |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 5 | --- | - | "Vertical Auger - Lower Section, 650" on page P34 |
| 6 | GA10544 | 1 | Pivot Pin, 1½" x 14" |
| 7 | G10014 | 1 | Hex Head Cap Screw, ½"-13 x 1" |
| | G10228 | 1 | Lock Washer, ½" |
| 8 | GD4108 | 2 | Pin, 1¼" x 7" |
| | G10460 | 4 | Cotter Pin, ¼" x 2" |
| 9 | GD15393 | 2 | Pin, 1¼" x 16⅜" |
| | G10460 | 4 | Cotter Pin, ¼" x 2" |
| 10 | GA10538 | 1 | Lower Link W/Grease Fitting |
| | G10641 | - | Grease Fitting, ⅛" NPT |
| 11 | --- | 1 | "Vertical Auger Fold Cylinder, 650" on page P116 |
| 12 | GA8610 | 1 | Flow Restrictor Elbow, ¾"-16 JIC To ¾"-16 O-Ring ("R" Stamped On Both Sides) |
| 13 | G6400-08-04 | 1 | Connector W/O-Ring, ¾"-16 Male JIC To 7/16"-20 O-Ring |
| | GR1465 | - | O-Ring |
| 14 | *A3221 | 2 | Hose Assembly, ⅜" x 144" |
| 15 | GD4086 | 2 | ISO Coupler |
| 16 | G10438 | 1 | Hex Head Cap Screw, ½"-13 x ¾" |
| | G11389 | 1 | Washer, ½" SAE |

*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

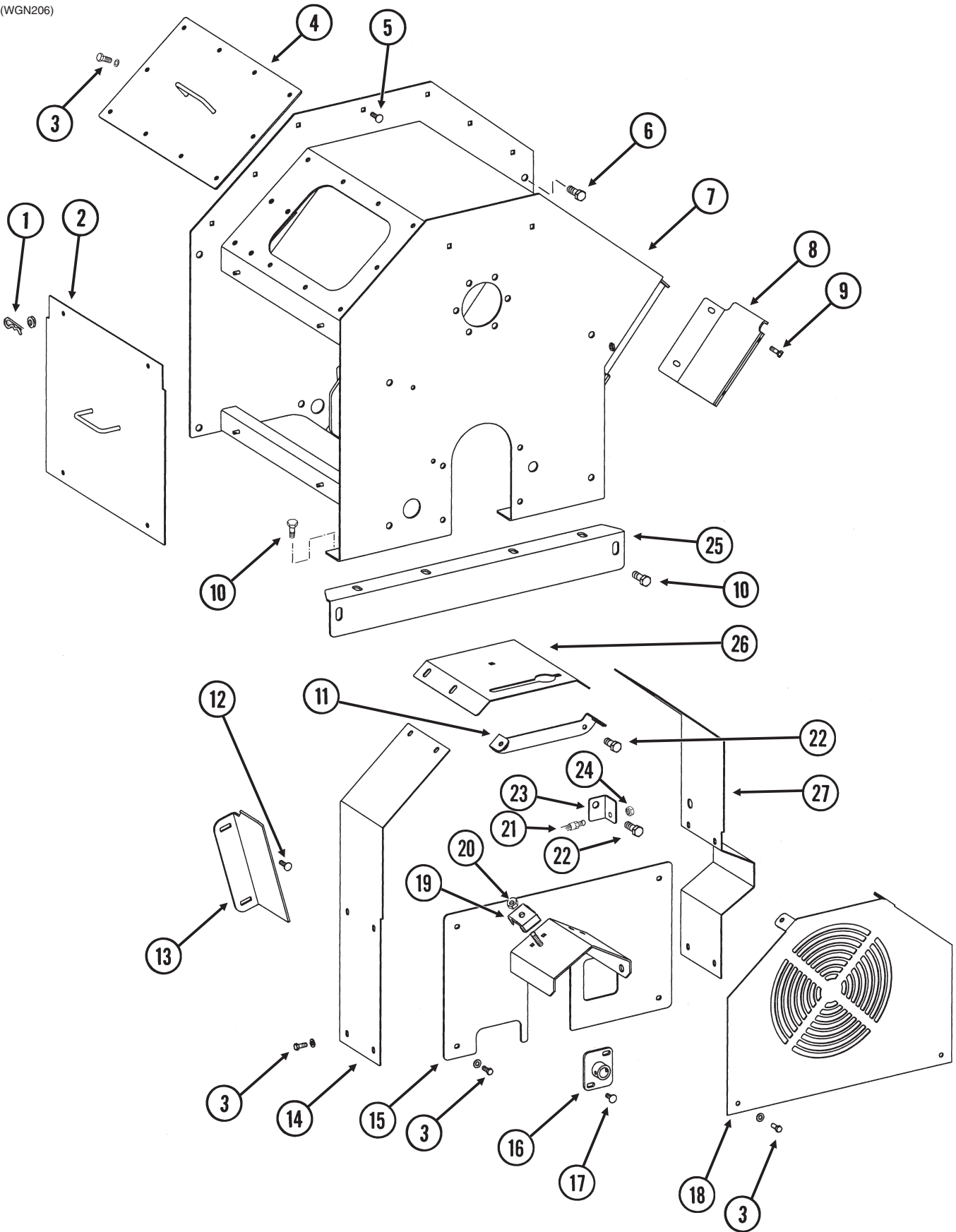
(WGN151m)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| 1 | G10159 | 6-8 | Machine Bushing, 1¼", 10 Gauge |
| 2 | GD13735 | - | Pin, 1¼" x 17¾", 1050 |
| | G10460 | 4 | Cotter Pin, ¼" x 2" |
| 3 | GA9257 | - | Upper Link W/Grease Fitting, 11⅞" x 15⅞", 1050 |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 4 | GA9755 | 1 | Lower Link W/Grease Fittings And Spring Bushing, 8" x 17¾", 850 |
| | GA9256 | - | Lower Link W/Grease Fittings And Spring Bushing, 9½" x 17¾", 1050 |
| | G10640 | - | Grease Fitting, ¼"-28 |
| | GD14621 | - | Spring Bushing |
| 5 | GD13736 | - | Pin, 1¼" x 13⅞", 1050 |
| | G10460 | 2 | Cotter Pin, ¼" x 2" |
| 6 | --- | - | "Vertical Auger Fold Cylinder, 850/1050" on page P116 |
| 7 | GA9705 | 1 | Restrictor Elbow |
| 8 | *A1079 | 2 | Hose Assembly, ⅜" x 24" |
| 9 | G6801-08 | 3 | Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring |
| | GR1037 | - | O-Ring |
| 10 | GA9796 | 1 | Support Stand, 850 |
| | GA9346 | - | Support Stand, 1050 |
| 11 | G10040 | 1 | Hex Head Cap Screw, ¼"-20 x 1¾" |
| | G10110 | 1 | Lock Nut, ¼"-20, Grade B |
| 12 | GD13724 | 1 | Plate |
| 13 | GD6136 | 2 | Pin, 1¼" x 5" |
| | G10460 | 4 | Cotter Pin, ¼" x 2" |
| 14 | GA8882 | 2 | Counter Balance Valve |
| | GR1517 | - | Seal Kit For Counter Balance Valve, Includes: (3) O-Rings, (3) BU Rings |
| 15 | GA9350 | 1 | Bracket |
| 16 | *A3221 | 1 | Hose Assembly, ⅜" x 144" |
| 17 | GD4086 | 2 | ISO Coupler |
| 18 | GA9797 | 1 | Handle W/Sleeve And Hardware, 850 |
| | GA9348 | - | Handle W/Sleeve And Hardware, 1050 |
| | GD2734-16 | - | Sleeve, 1¼" O.D. x 5½" Long |
| | G10438 | - | Hex Head Cap Screw, ½"-13 x ¾" |
| | G10228 | - | Lock Washer, ½" |
| 19 | GA9347 | 1 | Support Stand Pin |
| 20 | GD2558 | 1 | Lynch Pin, ¼" |
| 21 | G10017 | 4 | Hex Head Cap Screw, ½"-13 x 1½" |
| | G10111 | 4 | Lock Nut, ½"-13 |
| 22 | G6400-08 | 2 | Connector W/O-Ring, ¾"-16 Male JIC To O-Ring |
| | GR1037 | - | O-Ring |
| 23 | GD13499 | 1 | Valve Block |
| 24 | G6500-08 | 2 | Swivel Elbow, 90°, ¾"-16 Male JIC To Female |
| 25 | G10041 | 2 | Hex Head Cap Screw, ⅝"-18 x 2" |
| | G11386 | 8 | Washer, ⅝" SAE |
| | G10109 | 2 | Lock Nut, ⅝"-18, Grade 8 |
| 26 | GA9785 | 1 | Pivot Pin, 1½" x 17½", 850 |
| | GA9354 | - | Pivot Pin, 1½" x 19¾", 1050 |
| 27 | G10014 | 2 | Hex Head Cap Screw, ½"-13 x 1" |
| | G10228 | 2 | Lock Washer, ½" |
| 28 | GA9786 | 1 | Pivot Pin, 1¼" x 17½", 850 |
| | GA9353 | - | Pivot Pin, 1¼" x 19¾", 1050 |
| 29 | --- | - | "Vertical Auger - Lower Section, 850/1050" on page P36 |
| 30 | GD14046 | 1 | Pin, 1¼" x 15½", 850 |
| 31 | GA9756 | 1 | Upper Link W/Grease Fitting, 10⅞" x 15⅞", 850 |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 32 | GD14047 | 1 | Pin, 1¼" x 11⅞", 850 |
| | G10460 | 2 | Cotter Pin, ¼" x 2" |
| 33 | G11074 | 1 | Hex Socket Set Screw, ⅝"-18 x 1" |
| | G10106 | 1 | Hex Nut, ⅝"-18 |
| 34 | G10014 | 2 | Hex Head Cap Screw, ½"-13 x 1" |
| | G11389 | 2 | Washer, ½" SAE |
| 35 | *A12066 | 1 | Hose Assembly, ⅜" x 149" |

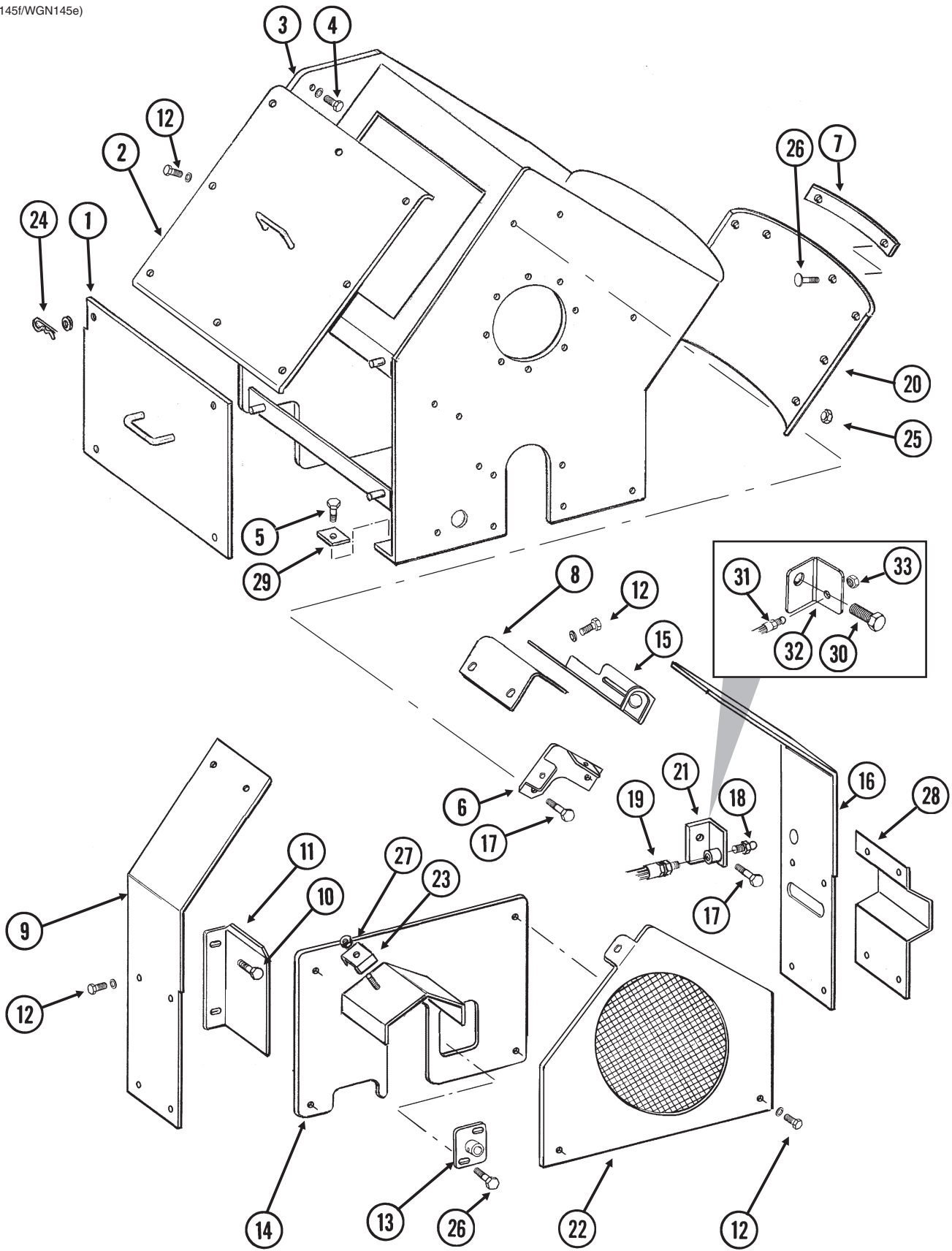
*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

(WGN206)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | G10670 | 4 | Hair Pin Clip, No. 3 |
| | G11387 | 4 | Washer, 3/8" SAE |
| 2 | GA10560 | 1 | Cover |
| 3 | G10001 | 26 | Hex Head Cap Screw, 3/8"-16 x 1" |
| | G11387 | 26 | Washer, 3/8" SAE |
| 4 | GA10578 | 1 | Transfer Case Cover |
| 5 | G10308 | 7 | Carriage Bolt, 3/8"-16 x 3/4" |
| | G11091 | 7 | Serrated Flange Nut, 3/8"-16 |
| 6 | G10055 | 8 | Hex Head Cap Screw, 5/8"-11 x 1 1/4" |
| | G11391 | 8 | Washer, 5/8" SAE |
| | G10107 | 8 | Lock Nut, 5/8"-11 |
| 7 | GA10523 | 1 | Transfer Case |
| 8 | GD15430 | 1 | Auger Inspection Cover |
| 9 | G10001 | 2 | Hex Head Cap Screw, 3/8"-16 x 1" |
| | G11387 | 2 | Washer, 3/8" SAE |
| | G10229 | 2 | Lock Washer, 3/8" |
| 10 | G10007 | 6 | Hex Head Cap Screw, 5/8"-11 x 1 1/2" |
| | G11391 | 12 | Washer, 5/8" SAE |
| | G10107 | 6 | Lock Nut, 5/8"-11 |
| 11 | GA10559 | 1 | Bracket |
| 12 | G10305 | 2 | Carriage Bolt, 3/8"-16 x 1" |
| | G10108 | 2 | Lock Nut, 3/8"-16 |
| 13 | GD15440 | 1 | Belt Slide |
| 14 | GD15436 | 1 | Side Cover |
| 15 | GA10600 | 1 | Lower Front Belt Housing Cover W/PTO Shield |
| 16 | GA9312 | 1 | Bracket (Belt Alignment) |
| 17 | G10305 | 2 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 2 | Serrated Flange Nut, 3/8"-16 |
| 18 | GA10561 | 1 | Front Cover |
| 19 | GB0461 | 1 | Hose Clamp, 9/16" x 2 1/2" x 2" |
| 20 | G10338 | 1 | Carriage Bolt, 5/16"-18 x 1 1/4" |
| | G11386 | 1 | Washer, 5/16" SAE |
| | G10109 | 1 | Lock Nut, 5/16"-18, Grade 8 |
| 21 | GA10175 | 1 | Grease Hose W/Grease Fitting, 24" |
| 22 | G10005 | 4 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 23 | GD14644 | 1 | Grease Bank |
| 24 | G11094 | 1 | Lock Nut, 1/8" NPT, Brass |
| 25 | GD15454 | 1 | Bracket |
| 26 | GD15438 | 1 | Cover |
| 27 | GD15437 | 1 | Side Cover |

(WGN145f/WGN145e)

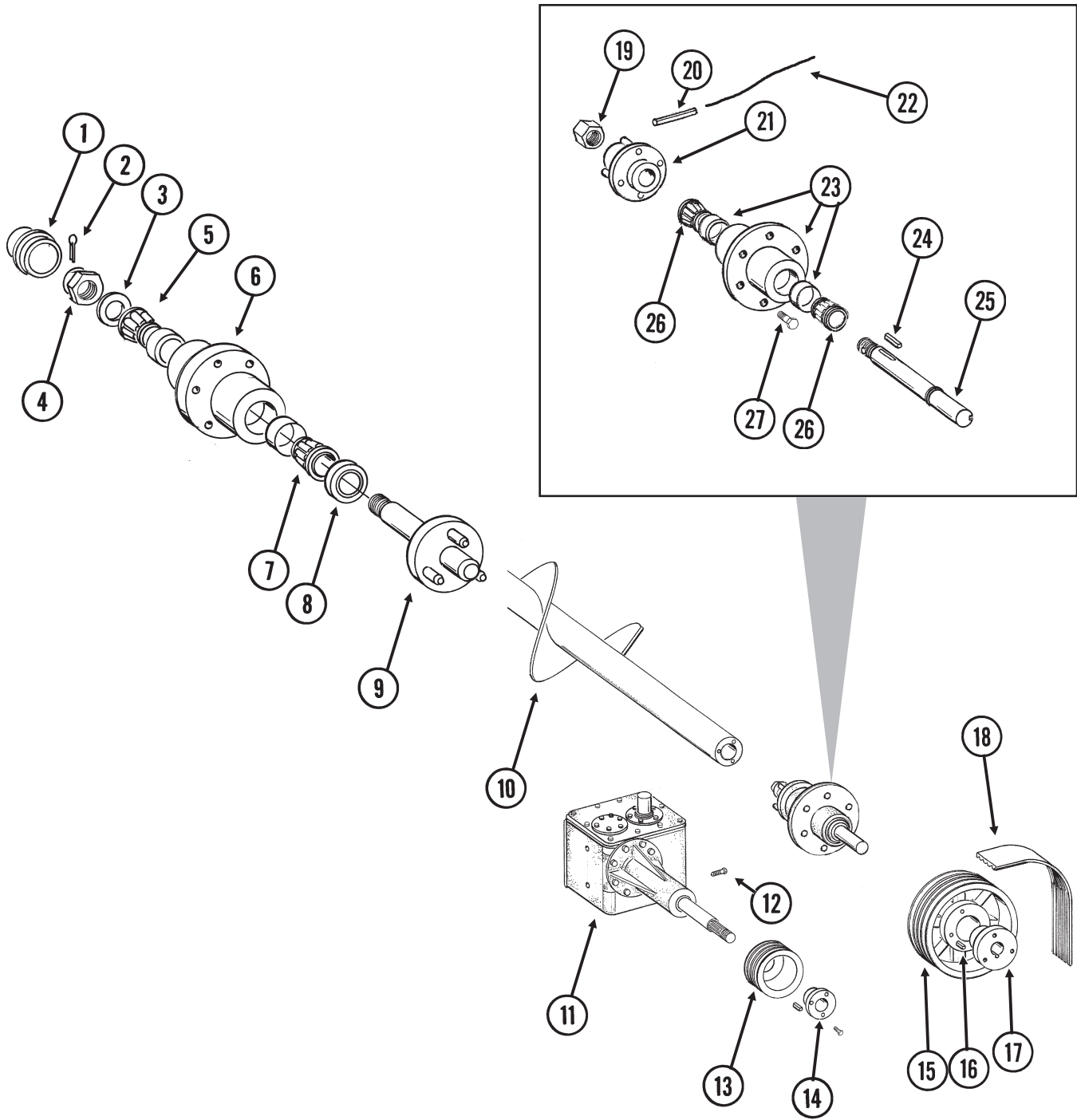


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GA9794 | 1 | Cover, 850 |
| | GA9478 | - | Cover, 1050 |
| 2 | GA9793 | 1 | Transfer Case Cover, 850 |
| | GA9327 | - | Transfer Case Cover, 1050 |
| 3 | GA9748 | 1 | Transfer Case, 850 |
| | GA9244 | - | Transfer Case, 1050 (Prior To Serial No. 505442) |
| | GA10022 | - | Transfer Case, 1050 (Serial No. 505442 And On) |
| 4 | G11042 | 7-9 | Hex Head Cap Screw, 3/4"-10 x 1 3/4" |
| | G10112 | 7-9 | Lock Nut, 3/4"-10 |
| 5 | G10026 | 2 | Hex Head Cap Screw, 3/4"-10 x 2" |
| | G11071 | - | Hex Head Cap Screw, 3/4"-10 x 2 1/4" |
| | G10027 | - | Hex Head Cap Screw, 3/4"-10 x 2 1/2" |
| | G11392 | 4 | Washer, 3/4" SAE |
| | G10112 | 2 | Lock Nut, 3/4"-10 |
| 6 | GA9707 | 1 | Bracket |
| 7 | GD14040 | 1 | Seal, 850 |
| | GD13006 | - | Seal, 1050 |
| 8 | GD13767 | 1 | Cover |
| 9 | GD13764 | 1 | Side Cover |
| 10 | G10305 | 4 | Carriage Bolt, 3/8"-16 x 1" |
| | G10108 | 4 | Lock Nut, 3/8"-16 |
| 11 | GD13768 | 1 | Belt Slide |
| 12 | G10004 | 22 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" |
| | G11387 | 22 | Washer, 3/8" SAE |
| 13 | GA9312 | 1 | Bracket (Belt Alignment) |
| 14 | GA9313 | 1 | Lower Front Belt Housing Cover W/PTO Shield |
| 15 | GD13756 | 1 | Hose Holder |
| 16 | GD13765 | 1 | Side Cover |
| *17 | G10443 | 2 | Hex Head Cap Screw, 5/8"-11 x 1" |
| | G10007 | - | Hex Head Cap Screw, 5/8"-11 x 1 1/2" |
| | G10107 | 2 | Lock Nut, 5/8"-11 |
| *18 | G10641 | 1 | Grease Fitting, 1/8" NPT |
| *19 | GA0504 | 1 | Grease Hose, 24" |
| 20 | GA9759 | 1 | Auger Inspection Cover, 850 |
| | GA9349 | - | Auger Inspection Cover, 1050 |
| *21 | GA9358 | 1 | Grease Bank |
| 22 | GA9708 | 1 | Front Cover |
| 23 | GB0461 | 1 | Hose Clamp, 9/16" x 2 1/2" x 2" |
| 24 | G10670 | 4 | Hair Pin Clip, No. 3 |
| | G11386 | 4 | Washer, 5/16" SAE |
| 25 | G11091 | 6 | Serrated Flange Nut, 3/8"-16 |
| 26 | G10305 | 2 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 2 | Serrated Flange Nut, 3/8"-16 |
| 27 | G10599 | 1 | Carriage Bolt, 3/8"-16 x 1 1/4" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 28 | GD14311 | 1 | Shield |
| 29 | GD14354 | 2 | Spacer, 1/2" x 4" x 4", 1050 (Serial No. 505442 And On) |
| **30 | G10005 | 4 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| **31 | GA10175 | 1 | Grease Hose W/Grease Fitting, 24" |
| **32 | GD14644 | 1 | Grease Bank |
| **33 | G11094 | 1 | Lock Nut, 1/8" NPT, Brass |

* Items 17-19, and 21 are used with V-Belt Idler Assembly, Style A. See "V-Belt Idler Assembly, 850/1050" on page P54

** Items 30-33 are used with V-Belt Idler Assembly, Style B. See "V-Belt Idler Assembly, 850/1050" on page P56

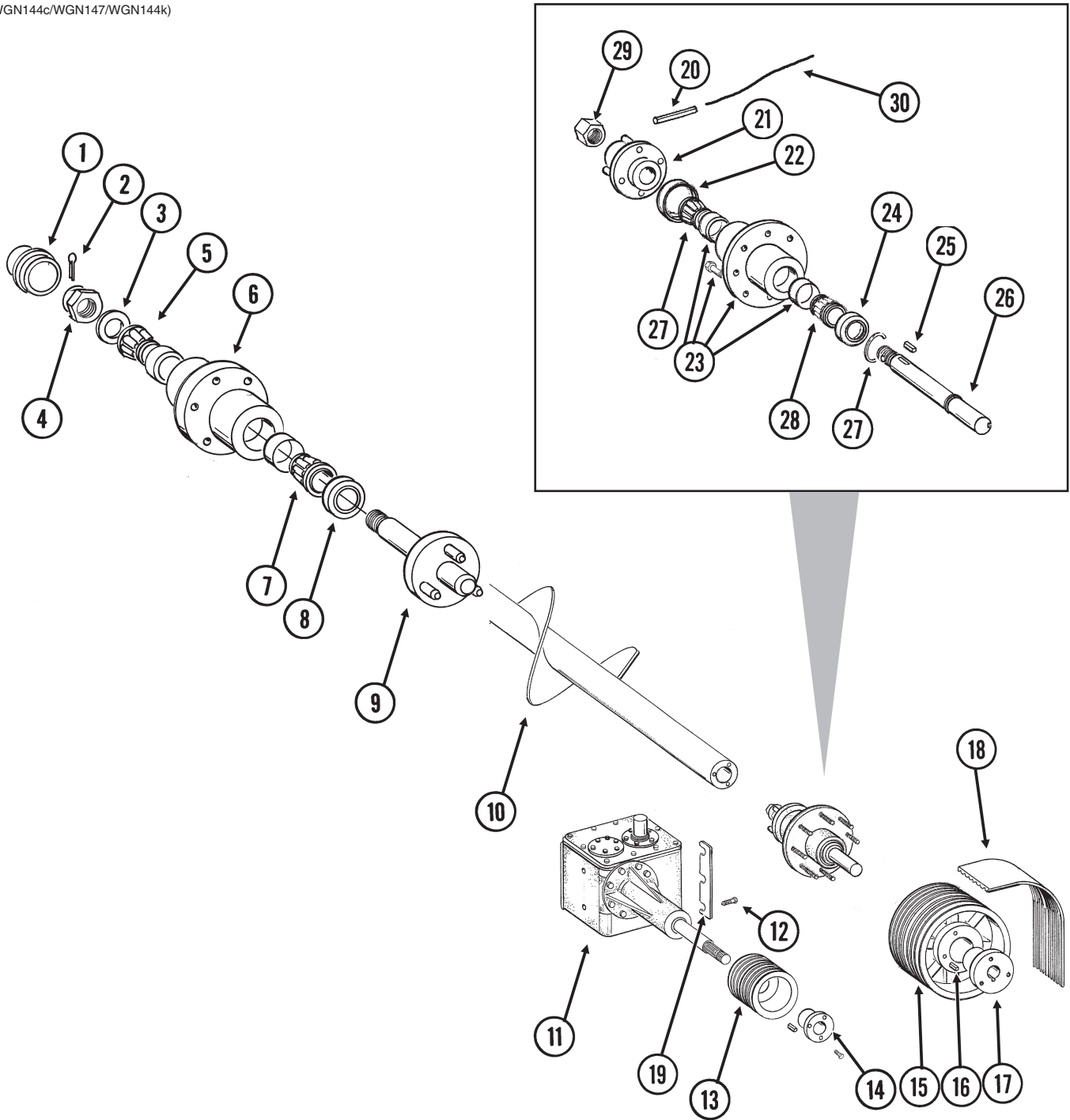
(WGN144f/WGN147/WGN144i)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|--|
| 1 | G2800-01 | 1 | Cap |
| 2 | G10459 | 1 | Cotter Pin, 3/16" x 1 1/2" |
| 3 | G10224 | 1 | Special Washer, 3/4", 7 Gauge |
| 4 | G10723 | 1 | Hex Nut, 3/4"-16, Grade 2 |
| 5 | GA0237 | 1 | Bearing |
| 6 | GA9316 | 1 | Hub W/Cups |
| | GR0189 | - | Cup |
| | GR0188 | - | Outer Cup |
| 7 | GA0238 | 1 | Bearing |
| 8 | GA0239 | 1 | Seal |
| 9 | GA9298 | 1 | Rear Spindle |
| 10 | GA10528 | 1 | Auger, L.H., 14" x 194 3/4" |
| 11 | --- | - | See "Gearbox, 650" on page P16 |
| 12 | G11042 | 4 | Hex Head Cap Screw, 3/4"-10 x 1 3/4" |
| 13 | GD14667 | 1 | Pulley, 7 1/2", 4 Groove |
| 14 | GD4123 | 1 | Bushing, Q1 x 2, Split Taper |
| | GD13088 | 2 | Key, 1/2" x 1/2" x 3 1/2" |
| | G10004 | 3 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" |
| 15 | GD14666 | 1 | Pulley, 15", 4 Groove |
| 16 | GD13088 | 2 | Key, 1/2" x 1/2" x 3 1/2" |
| 17 | GD14668 | 1 | Bushing, R1 x 2, Split Taper |
| 18 | GD13562 | 1 | V-Belt, 4-Band |
| 19 | G10351 | 1 | Hex Nut, 1 1/2"-12 |
| 20 | G10476 | 1 | Spring Pin, 3/8" x 2 1/4" |
| 21 | GA9795 | 1 | Hub |
| 22 | GD13524-01 | 1 | Lock Wire, 10", Stainless Steel |
| 23 | GA2148 | 1 | Hub W/Cups, 6 Bolt |
| | GR0434 | - | Cup |
| 24 | GD14095-02 | 1 | Bar, 3/8" x 3/8" x 3 1/2" |
| 25 | GD15389 | 1 | Drive Shaft |
| 26 | GA0895 | 2 | Bearing |
| 27 | GR0270 | 6 | Lug Bolt, 3/16"-18 |

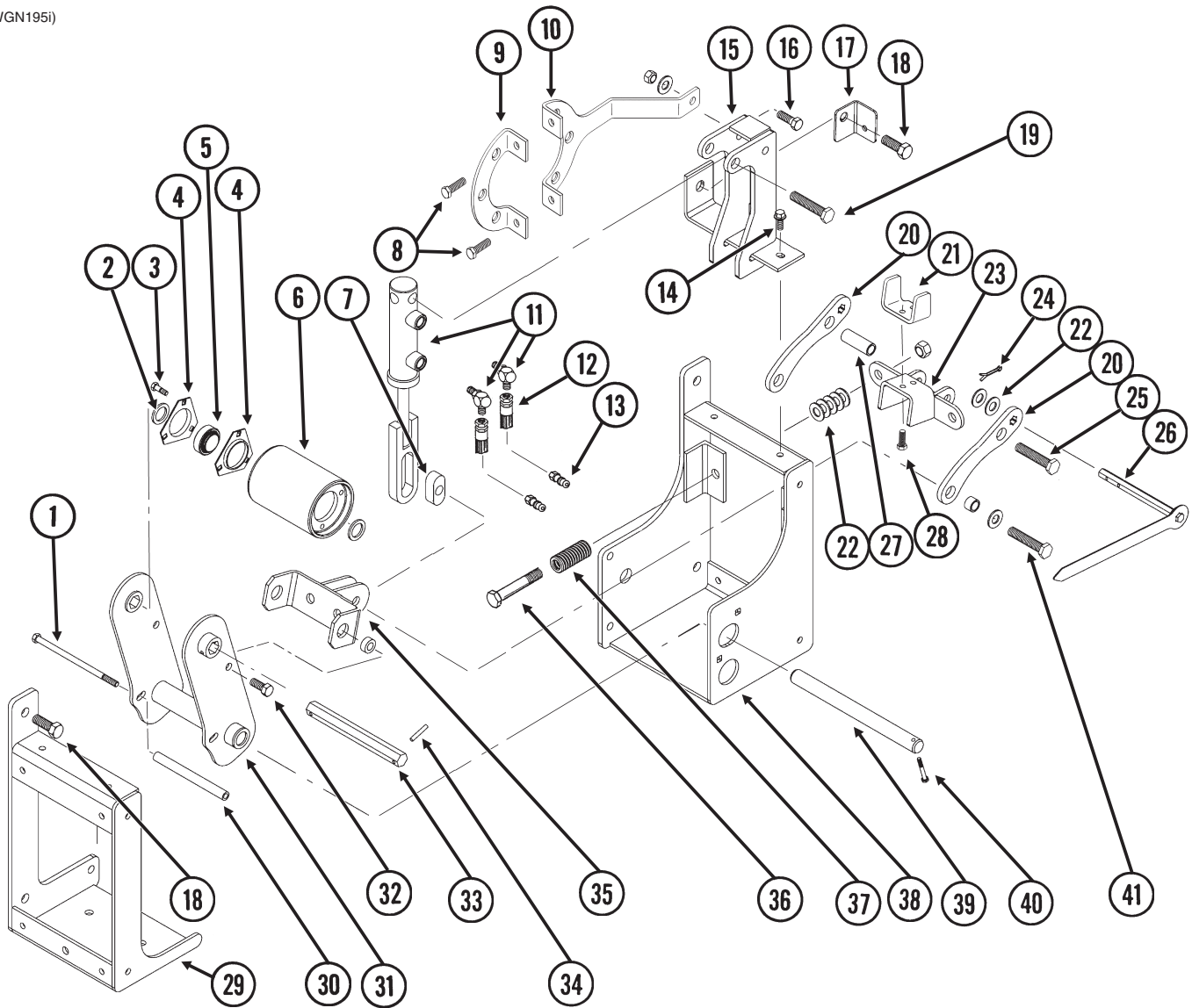
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|--|
| 1 | G2800-01 | 1 | Cap |
| 2 | G10459 | 1 | Cotter Pin, 3/16" x 1 1/2" |
| 3 | G10224 | 1 | Special Washer, 3/4", 7 Gauge |
| 4 | G10723 | 1 | Hex Nut, 3/4"-16, Grade 2 |
| 5 | GA0237 | 1 | Bearing |
| 6 | GA9316 | 1 | Hub W/Cups |
| | GR0189 | - | Cup |
| | GR0188 | - | Outer Cup |
| 7 | GA0238 | 1 | Bearing |
| 8 | GA0239 | 1 | Seal |
| 9 | GA9298 | 1 | Rear Spindle |
| 10 | GA9739 | 1 | Auger, L.H., 15" x 212" |
| 11 | --- | - | See "Gearbox, 850" on page P18 |
| 12 | G11042 | 4 | Hex Head Cap Screw, 3/4"-10 x 1 3/4" |
| 13 | GD14044 | 1 | Pulley, 7 1/2", 6 Groove |
| 14 | GD13560 | 1 | Bushing, Q2 x 2, Split Taper |
| | GD13088 | 1 | Key, 1/2" x 1/2" x 3 1/2" |
| | G10004 | 3 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" |
| 15 | GD14043 | 1 | Pulley, 15", 6 Groove |
| 16 | GD13677 | 1 | Key, 1/2" x 1/2" x 4 1/2" |
| 17 | GD13561 | 1 | Bushing, S1 x 2, Split Taper |
| 18 | GA9811 | 1 | V-Belt Set, 3 Band, Includes: (2) 3 Band V-Belts, (1) Instructions |
| 19 | GD13882 | - | Shim, 14 Gauge (As Required) |
| | GD13883 | - | Shim, 12 Gauge (As Required) |
| | GD13884 | - | Shim, 10 Gauge (As Required) |
| 20 | G10476 | 1 | Spring Pin, 3/8" x 2 1/4" |
| 21 | GA9795 | 1 | Hub |
| 22 | G11072 | 6 | Hex Head Cap Screw, 9/16"-18 x 1 1/4" |
| 23 | GA2148 | 1 | Hub W/Cups, 6 Bolt |
| | GR0434 | - | Cup |
| 24 | G10351 | 1 | Hex Nut, 1 1/2"-12 |
| 25 | GD14095-02 | 1 | Bar, 3/8" x 3/8" x 3 1/2" |
| 26 | GD14037 | 1 | Drive Shaft |
| 27 | GD13524-01 | 1 | Lock Wire, 10", Stainless Steel |
| 28 | GA0895 | 2 | Bearing |

(WGN144c/WGN147/WGN144k)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|--|
| 1 | G2800-01 | 1 | Cap |
| 2 | G10459 | 1 | Cotter Pin, 3/16" x 1 1/2" |
| 3 | G10224 | 1 | Special Washer, 3/4", 7 Gauge |
| 4 | G10723 | 1 | Hex Nut, 3/4"-16, Grade 2 |
| 5 | GA0237 | 1 | Bearing |
| 6 | GA9316 | 1 | Hub W/Cups |
| | GR0189 | - | Cup |
| | GR0188 | - | Outer Cup |
| 7 | GA0238 | 1 | Bearing |
| 8 | GA0239 | 1 | Seal |
| 9 | GA9298 | 1 | Rear Spindle |
| 10 | GA9818 | 1 | Auger, L.H., 16" x 263" (Prior To Serial No. 505142) |
| | GA9980 | - | Auger, L.H., 17" x 263" (Serial No. 505142 And On) |
| 11 | --- | - | See "Gearbox (with Keyed Output Shaft), 1050" on page P20 or See "Gearbox, 1050" on page P22 |
| 12 | G11042 | 6 | Hex Head Cap Screw, 3/4"-10 x 1 3/4" |
| 13 | GD13559 | 1 | Pulley, 7 1/2", 8 Groove |
| 14 | GD13560 | 1 | Bushing, Q2 x 2, Split Taper |
| | G10004 | 3 | Hex Head Cap Screw, 3/8"-16 x 1 1/4" |
| | GD13088 | 1 | Key, 1/2" x 1/2" x 3 1/2" |
| 15 | GD13558 | 1 | Pulley, 15", 8 Groove |
| 16 | GD13677 | 1 | Key, 1/2" x 1/2" x 4 1/2" |
| 17 | GD13561 | 1 | Bushing, S1 x 2, Split Taper |
| 18 | GA9841 | 1 | V-Belt Set, 4 Band, Includes: (2) 4 Band V-Belts, (1) Instructions |
| 19 | GD13882 | - | Shim, 14 Gauge (As Required) |
| | GD13883 | - | Shim, 12 Gauge (As Required) |
| | GD13884 | - | Shim, 10 Gauge (As Required) |
| 20 | G10769 | 1 | Spring Pin, 3/8" x 2 3/4" |
| 21 | GA9717 | 1 | Hub |
| 22 | GA9291 | 1 | Seal |
| 23 | GA9243 | 1 | Hub W/Cups, Hardware And Grease Fitting |
| | GD7079 | - | Cup |
| | GR0528 | 8 | Lug Bolt, 5/8"-18 x 2 1/4", Grade 8 |
| | GR0531 | 8 | Lug Nut, 5/8"-18 UNF |
| | G10640 | 1 | Grease Fitting, 1/4"-28 |
| 24 | GA4722 | 1 | Seal |
| 25 | GD0148 | 1 | Key, 1/2" x 1/2" x 2 1/2" |
| 26 | GD12955 | 1 | Drive Shaft |
| 27 | G10913 | 1 | External Retaining Ring, 2 1/2" |
| 28 | GA9292 | 2 | Bearing |
| 29 | G11040 | 1 | Hex Nut, 1 3/4"-12 |
| 30 | GD13524-01 | 1 | Lock Wire, 10", Stainless Steel |

(WGN195i)



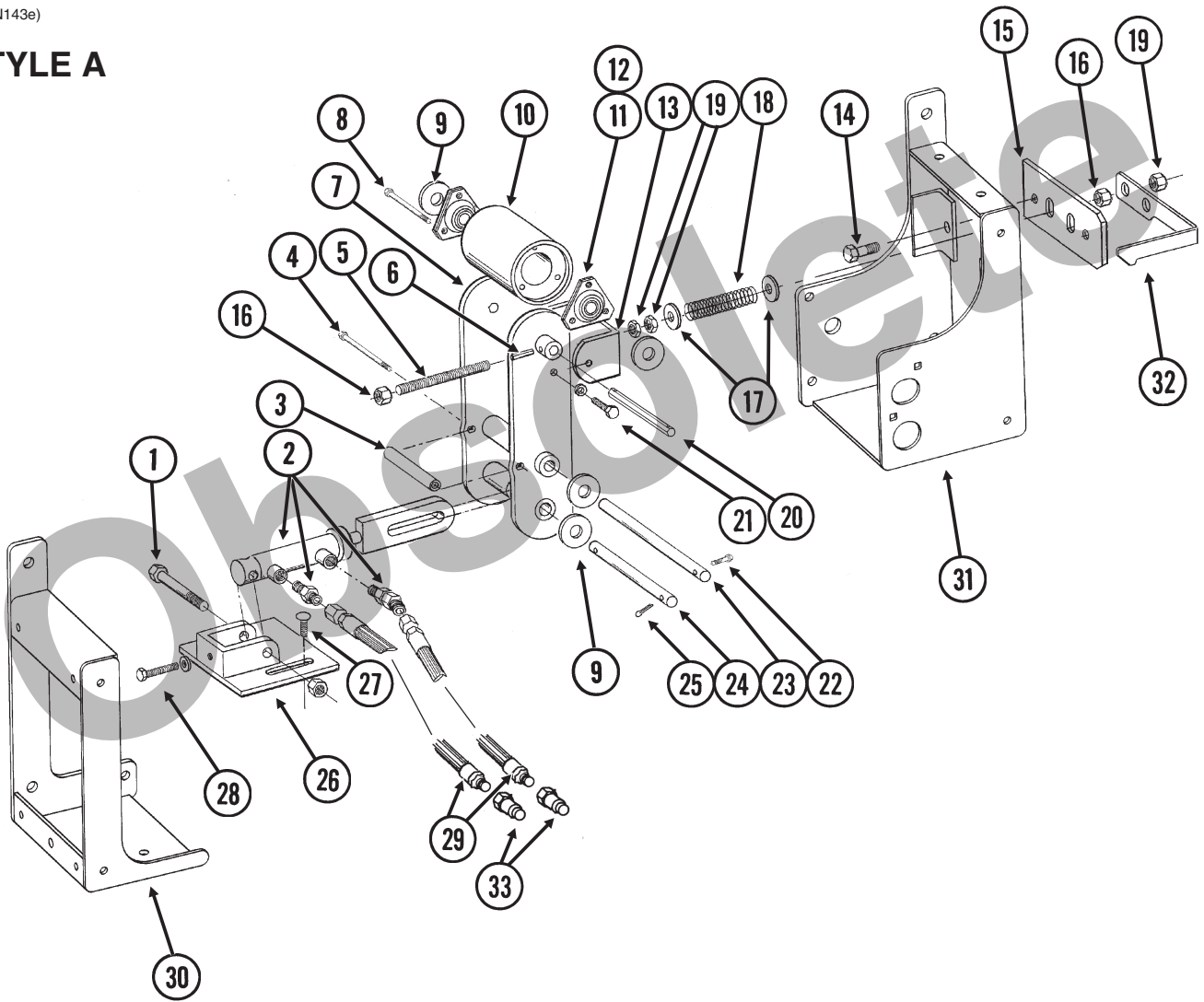
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | G10687 | 1 | Hex Head Cap Screw, 3/8"-16 x 5 1/2" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 2 | G10233 | 4 | Machine Bushing, 1", 10 Gauge |
| 3 | G11111 | 3 | Hex Head Cap Screw, 5/16"-18 x 3 1/4" |
| | G10109 | 3 | Lock Nut, 5/16"-18, Grade 8 |
| 4 | G3400-01 | 4 | Flangette |
| 5 | GA9357 | 2 | Bearing, 7/8" Hex, Single Lip |
| 6 | GD15427 | 1 | Idler |
| 7 | GD14631 | 1 | Slide Bar |
| 8 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 9 | GD14618 | 1 | Support |
| 10 | GD15411 | 1 | Support |
| 11 | --- | - | See "Horizontal Auger Drive (Idler) Cylinder, 650" on page P114 |
| 12 | *A1131 | 2 | Hose Assembly, 1/4" x 162" |
| 13 | GD4086 | 2 | ISO Coupler |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|--|
| 14 | G11046 | 1 | Flange Screw, 3/8"-16 x 1" |
| | G11091 | 1 | Serrated Flange Nut, 3/8"-16 |
| 15 | GA10546 | 1 | Cylinder Mount |
| 16 | G10017 | 1 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 1 | Washer, 1/2" SAE |
| | G10111 | 1 | Lock Nut, 1/2"-13 |
| 17 | --- | - | See "Front Lower Housing, 650" on page P42 |
| 18 | G10005 | 4 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 19 | G10085 | 1 | Hex Head Cap Screw, 3/4"-10 x 3 3/4" |
| | G10112 | 1 | Lock Nut, 3/4"-10 |
| 20 | GD14634 | 2 | Indicator Link |
| 21 | GD14703 | 1 | Stop |
| 22 | G11391 | 14 | Washer, 5/8" SAE |
| 23 | GA10552 | 1 | Stop |
| 24 | G10453 | 2 | Cotter Pin, 3/16" x 1" |
| 25 | G10743 | 1 | Hex Head Cap Screw, 5/8"-11 x 3 3/4" |
| | G10107 | 1 | Lock Nut, 5/8"-11 |
| 26 | GA10187 | 1 | Pointer |
| 27 | GD14610 | 1 | Bushing, 7/8" x 2 7/16" |
| 28 | G10001 | 2 | Hex Head Cap Screw, 3/8"-16 x 1" |
| | G10108 | 2 | Lock Nut, 3/8"-16 |
| 29 | GA10548 | 1 | Belt Cover, R.H. |
| 30 | GD2971-14 | 1 | Sleeve, 4 7/16" Long |
| 31 | GA10550 | 1 | Idler Arm |
| 32 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | GD7889 | 2 | Bushing, 1" O.D. x 9/16" I.D. x 7/16" Long |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 33 | GD15428 | 1 | Hex Shaft, 7/8" x 6 1/2" (2 Holes) |
| 34 | G10602 | 2 | Spring Pin, 1/4" x 1 1/2" |
| 35 | GA10554 | 1 | Inner Link |
| 36 | G10318 | 2 | Hex Head Cap Screw, 5/8"-11 x 4 1/2" |
| | G11391 | 10 | Washer, 5/8" SAE |
| | G10730 | 2 | Lock Nut W/Nylon Insert, 5/8"-11 |
| 37 | GD15434 | 2 | Spring |
| 38 | GA10549 | 1 | Belt Cover, L.H. |
| 39 | GD15449 | 1 | Shaft, 1" x 9" |
| 40 | G10638 | 1 | Hex Head Cap Screw, 1/4"-20 x 2" |
| | G10110 | 1 | Lock Nut, 1/4"-20, Grade B |
| 41 | G10743 | 1 | Hex Head Cap Screw, 5/8"-11 x 3 3/4" |
| | GB0218 | 2 | Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long |
| | G11391 | 2 | Washer, 5/8", SAE |
| | G10107 | 1 | Lock Nut, 5/8"-11 |

*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

(WGN143e)

STYLE A



NOTE: See [“V-Belt Idler Assembly, 850/1050”](#) on page P56 for update kits and current style.

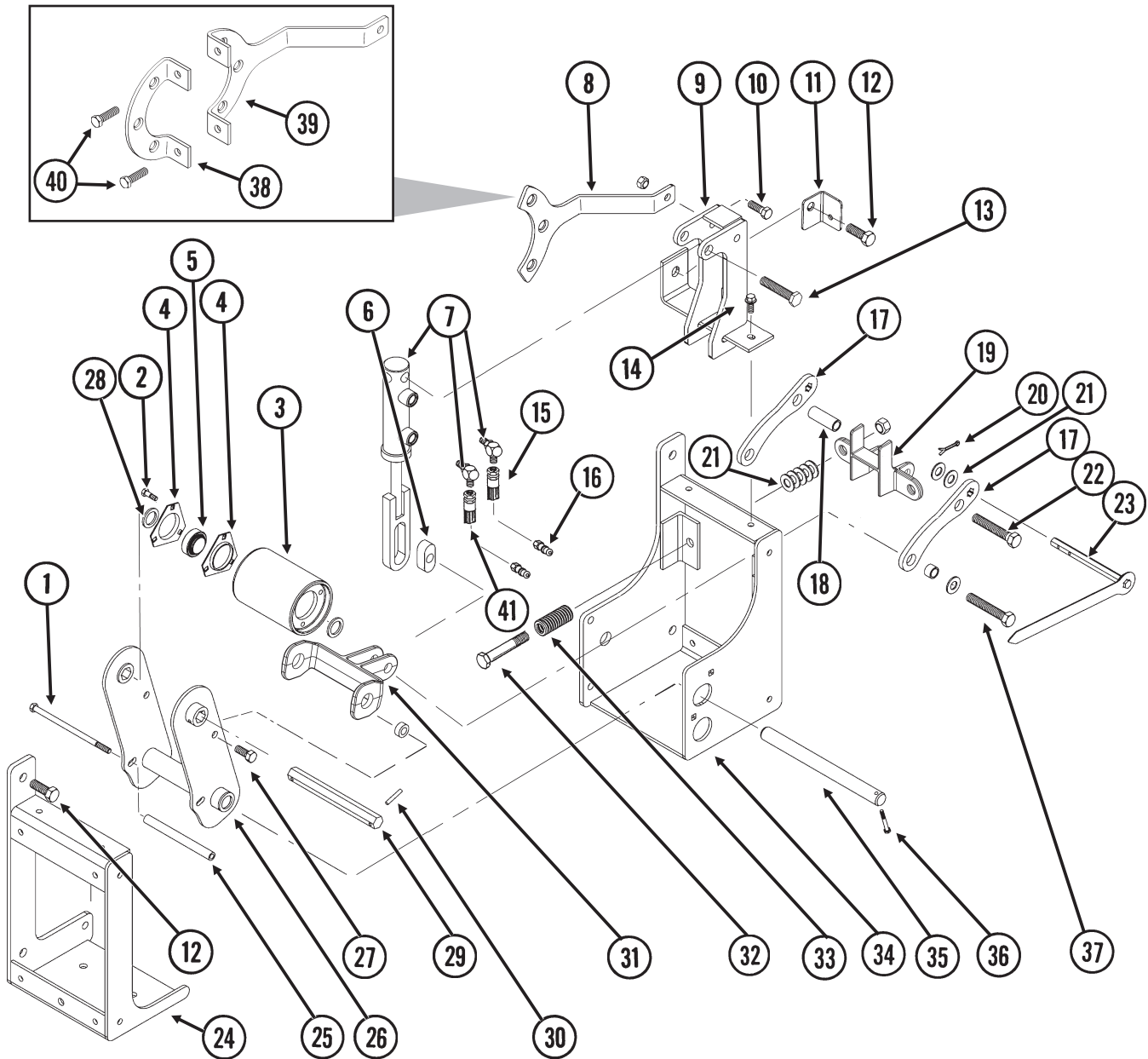
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|--|
| 1 | G10044 | 1 | Hex Head Cap Screw, 3/4"-10 x 4" |
| | G10105 | 1 | Hex Nut, 3/4"-10 |
| 2 | --- | - | See "Horizontal Auger Drive (Idler) Cylinder, 1050" on page P115 or See "Horizontal Auger Drive (Idler) Cylinder, 850/1050" on page P115 |
| 3 | GD2971-13 | 1 | Sleeve, 6 9/16" Long |
| 4 | G11048 | 1 | Hex Head Cap Screw, 3/8"-16 x 7 1/2" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 5 | GD13723 | 2 | Threaded Rod, 5/8"-11 x 9" |
| 6 | G10602 | 2 | Spring Pin, 1/4" x 1 1/2" |
| 7 | --- | 1 | Idler Arm |
| 8 | G11047 | 3 | Hex Head Cap Screw, 5/16"-18 x 5 1/2" |
| | G10109 | 3 | Lock Nut, 5/16"-18, Grade 8 |
| 9 | G10233 | 8 | Machine Bushing, 1", 10 Gauge |
| 10 | GD13095 | 1 | Idler |
| 11 | GA9357 | 2 | Bearing, 7/8" Hex, Single Lip |
| 12 | G3400-01 | 4 | Flangette |
| 13 | GD13097 | 1 | Bar |
| 14 | G10005 | 6 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 6 | Lock Nut, 5/8"-11 |
| 15 | GD13771 | 1 | Spring Plate |
| 16 | G10730 | 4 | Lock Nut W/Nylon Insert, 5/8"-11 |
| 17 | G11391 | 4 | Washer, 5/8", SAE |
| 18 | GD6433 | 2 | Spring |
| 19 | G10104 | 6 | Hex Nut, 5/8"-11 |
| 20 | GD13763 | 1 | Hex Shaft, 7/8" x 8 5/8" (2 Holes) |
| 21 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | GD7889 | 2 | Bushing, 1" O.D. x 9/16" I.D. x 7/16" Long |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 22 | G10638 | 1 | Hex Head Cap Screw, 1/4"-20 x 2" |
| | G10110 | 1 | Lock Nut, 1/4"-20, Grade B |
| 23 | GD13694 | 1 | Shaft, 1" x 11 3/4" |
| 24 | GD13770 | 1 | Shaft, 1" x 8 1/2" |
| 25 | G10459 | 2 | Cotter Pin, 3/16" x 1 1/2" |
| 26 | GA9360 | 1 | Cylinder Mount |
| 27 | G10574 | 2 | Carriage Bolt, 1/2"-13 x 1 1/4" |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 28 | G10581 | 1 | Hex Head Cap Screw, 1/2"-13 x 2 1/4" |
| | G10102 | 1 | Hex Nut, 1/2"-13 |
| 29 | *A7611 | 2 | Hose Assembly, 1/4" x 144" |
| 30 | GA9310 | 1 | Belt Cover, R.H. |
| 31 | GA9309 | 1 | Belt Cover, L.H. |
| 32 | GD14310 | 1 | Pointer |
| 33 | GD4086 | 2 | ISO Coupler |

*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

NOTE: [See "V-Belt Idler Assembly, 850/1050" on page P56](#) for update kits and current style.

(WGN196/WGN195j)

STYLE B



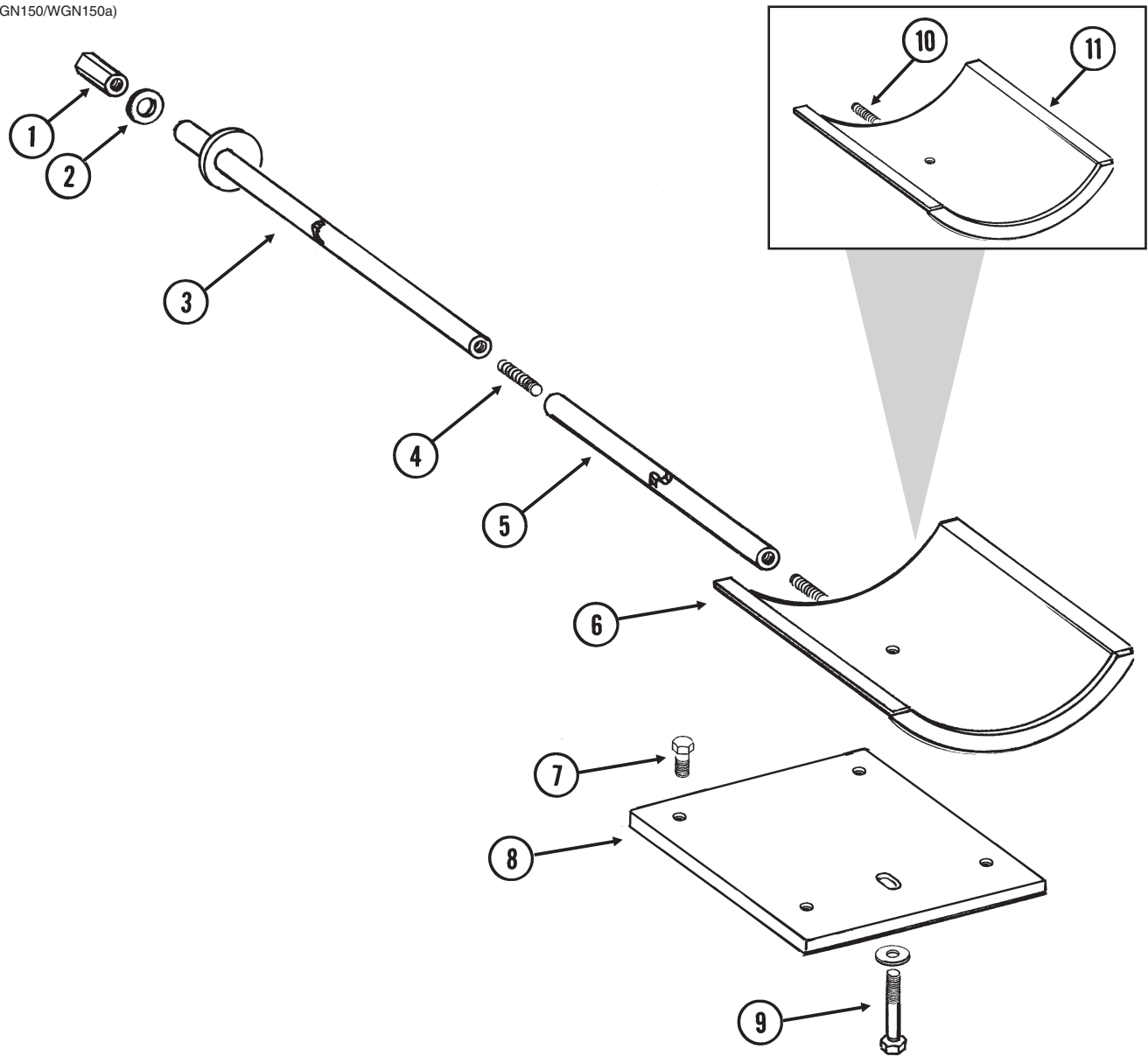
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------------|--------|---|
| 1 | G10686 G10108 | 1 1 | Hex Head Cap Screw, 3/8"-16 x 8" Lock Nut, 3/8"-16 |
| 2 | G10019 G10232 | 6 6 | Hex Head Cap Screw, 5/16"-18 x 1" Lock Washer, 5/16" |
| 3 | GB0338 | 1 | Idler |
| 4 | G3400-01 | 4 | Flangette |
| 5 | GA9357 | 2 | Bearing, 7/8" Hex, Single Lip |
| 6 | GD14631 | 1 | Slide Bar |
| 7 | --- | - | See "Horizontal Auger Drive (Idler) Cylinder, 1050" on page P115 or See "Horizontal Auger Drive (Idler) Cylinder, 850/1050" on page P115 |
| 8 | GD14620 | 1 | Support, 1050 |

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| 9 | GA10188 | 2 | Cylinder Mount |
| 10 | G10017 | 1 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G10111 | 1 | Lock Nut, 1/2"-13 |
| 11 | --- | - | See "Front Lower Housing, 850/1050" on page P44 |
| 12 | G10005 | 4 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 13 | G10085 | 1 | Hex Head Cap Screw, 3/4"-10 x 3 3/4" |
| | G10112 | 1 | Lock Nut, 3/4"-10 |
| 14 | G11046 | 1 | Flange Screw, 3/8"-16 x 1" |
| | G11091 | 1 | Serrated Flange Nut, 3/8"-16 |
| 15 | *A1130 | 1 | Hose Assembly, 1/4" x 180" |
| 16 | GD4086 | 2 | ISO Coupler |
| 17 | GD14634 | 2 | Indicator Link |
| 18 | GD14610 | 1 | Bushing, 7/8" x 2 7/16" |
| 19 | GB0378 | 1 | Stop Bracket |
| 20 | G10453 | 2 | Cotter Pin, 3/16" x 1" |
| 21 | G11391 | 14 | Washer, 5/8" SAE |
| 22 | G10743 | 1 | Hex Head Cap Screw, 5/8"-11 x 3 3/4" |
| | G10107 | 1 | Lock Nut, 5/8"-11 |
| 23 | GA10187 | 1 | Pointer |
| 24 | GA9310 | 1 | Belt Cover, R.H. |
| 25 | GD2971-13 | 1 | Sleeve, 6 9/16" Long |
| 26 | GA9311 | 1 | Idler Arm |
| 27 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | GD7889 | 2 | Bushing, 1" O.D. x 9/16" I.D. x 7/16" Long |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 28 | G10233 | 2 | Machine Bushing, 1", 10 Gauge |
| 29 | GD13763 | 1 | Hex Shaft, 7/8" x 8 5/8" (2 Holes) |
| 30 | G10602 | 2 | Spring Pin, 1/4" x 1 1/2" |
| 31 | GB0377 | 1 | Inner Link |
| 32 | G10011 | 2 | Hex Head Cap Screw, 5/8"-11 x 5 1/2" |
| | G11391 | 10 | Washer, 5/8" SAE |
| | G10730 | 2 | Lock Nut W/Nylon Insert, 5/8"-11 |
| 33 | GD14643 | 2 | Spring |
| 34 | GA9309 | 1 | Belt Cover, L.H. |
| 35 | GD13694 | 1 | Shaft, 1" x 11 3/4" |
| 36 | G10638 | 1 | Hex Head Cap Screw, 1/4"-20 x 2" |
| | G10110 | 1 | Lock Nut, 1/4"-20, Grade B |
| 37 | G10743 | 1 | Hex Head Cap Screw, 5/8"-11 x 3 3/4" |
| | GB0218 | 2 | Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long |
| | G11391 | 2 | Washer, 5/8", SAE |
| | G10107 | 1 | Lock Nut, 5/8"-11 |
| 38 | GD14618 | 1 | Support, 850 |
| 39 | GD14619 | 1 | Support, 850 |
| 40 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/4" |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 41 | *A7644 | 1 | Hose Assembly, 1/4" x 176" |
| A | G1K388 | - | Model 850, V-Belt Idler Update Kit |
| B | G1K387 | - | Model 1050, V-Belt Idler Update Kit |

*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

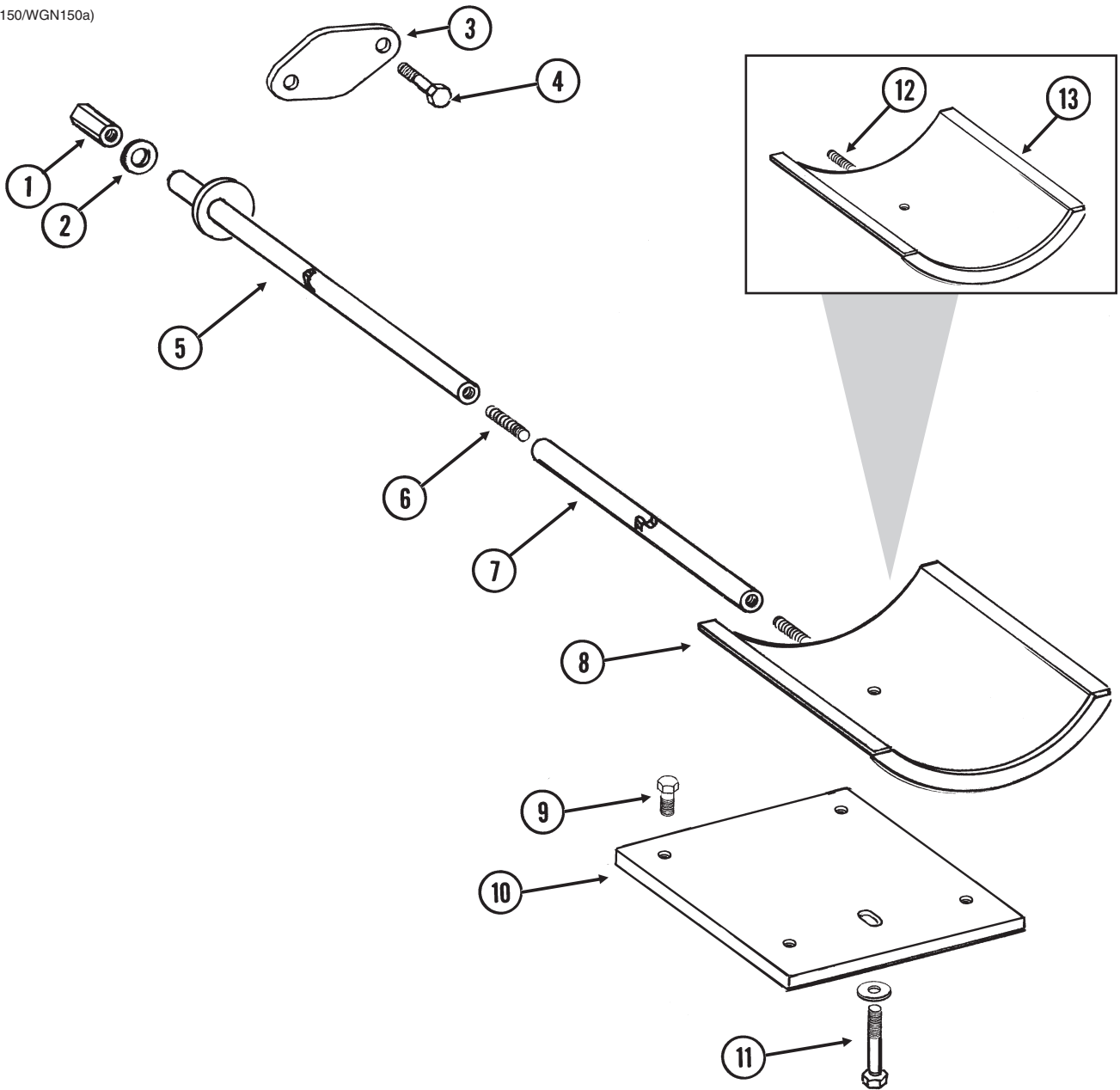
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(WGN150/WGN150a)



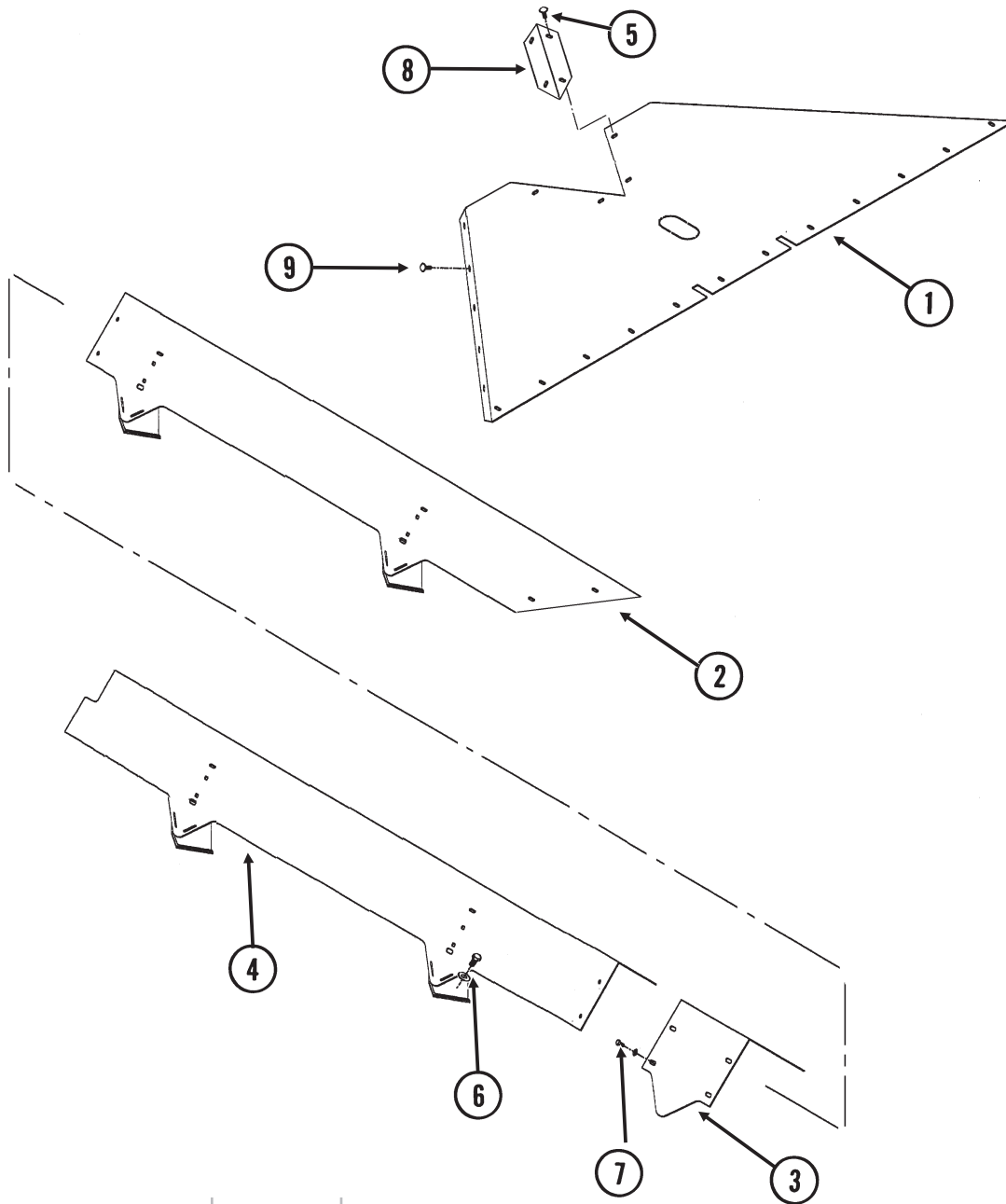
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 1 | GD13805 | 1 | Cap Nut, Slide Pan |
| 2 | GD13804 | 1 | Washer, Slide Pan |
| 3 | GA10038 | 1 | Push Rod Assembly, 92" |
| 4 | G11051 | 1 | Hex Socket Set Screw, 1/2"-13 x 2" |
| 5 | GD15410 | 1 | Push Rod, 79 1/2" |
| 6 | GA9366 | 1 | Clean Out Sweep |
| 7 | G10014 | 4 | Hex Head Cap Screw, 1/2"-13 x 1" |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 8 | GD14755 | 1 | Dump Door |
| 9 | G10016 | 1 | Hex Head Cap Screw, 1/2"-13 x 2" |
| | G10228 | 1 | Lock Washer, 1/2" |
| | G11389 | 1 | Washer, 1/2" SAE |
| 10 | GD17332 | 1 | Hex Socket Set Screw, 1/2"-13 x 3" |
| 11 | GB0359 | 1 | Clean Out Sweep |

(WGN150/WGN150a)



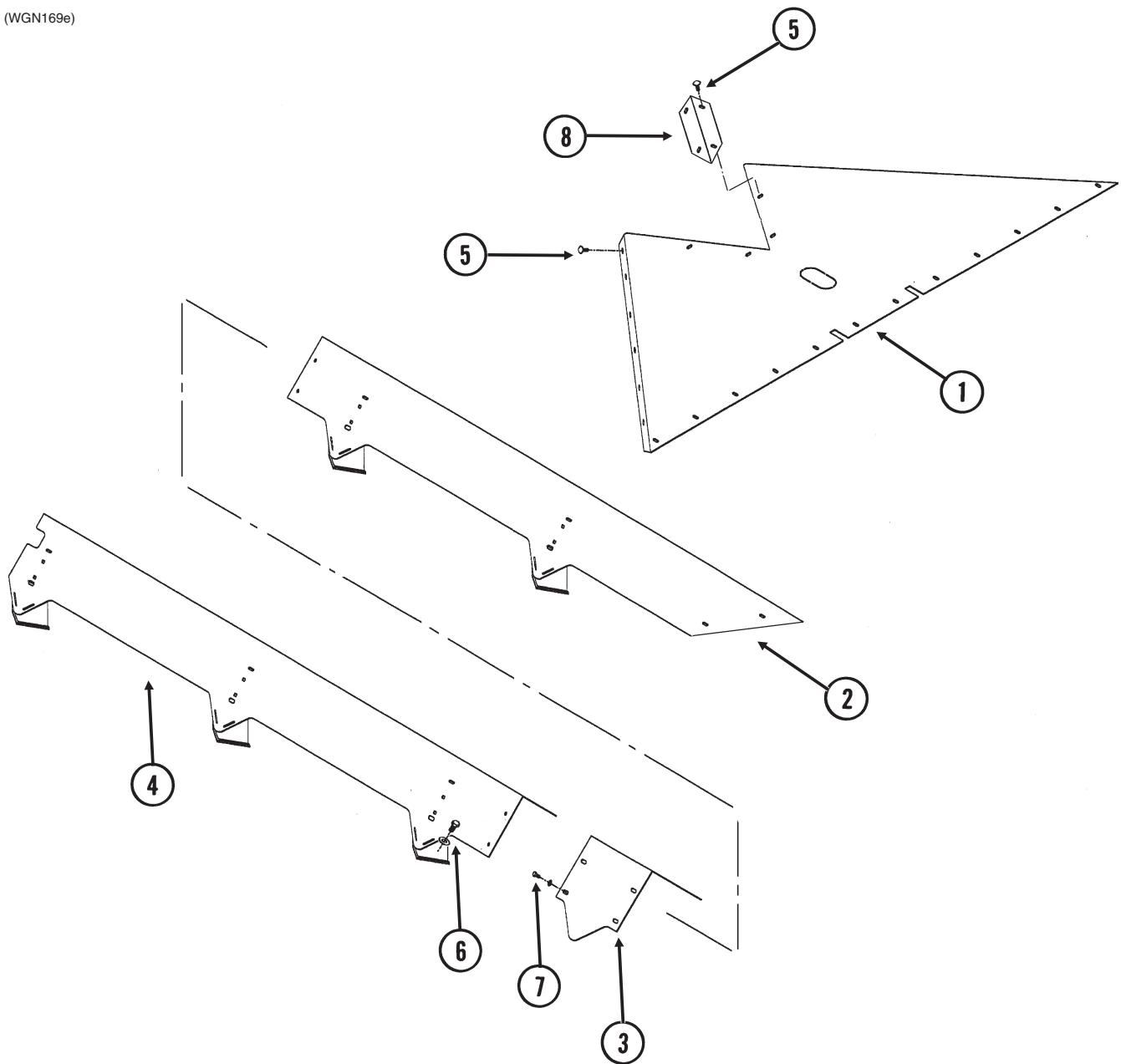
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GD13805 | 1 | Cap Nut, Slide Pan |
| 2 | GD13804 | 1 | Washer, Slide Pan |
| 3 | GD12947 | 2 | Rod Storage Cover Plate |
| 4 | G10003 | 4 | Hex Head Cap Screw, 3/8"-16 x 1 1/2" |
| | G10163 | 4 | Wing Nut, 3/8"-16 |
| 5 | GA10038 | 1 | Push Rod Assembly, 92", 850 |
| | GA9368 | - | Push Rod Assembly, 117 1/2", 1050 |
| 6 | G11051 | 1 | Hex Socket Set Screw, 1/2"-13 x 2" |
| 7 | GD14442 | 1 | Push Rod, 92", 850 |
| | GD13803 | 1 | Push Rod, 117 1/2", 1050 |
| 8 | GA9366 | 1 | Clean Out Sweep |
| 9 | G10017 | 4 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 10 | GD13806 | 1 | Dump Door |
| 11 | G10585 | 1 | Hex Head Cap Screw, 1/2"-13 x 3 1/4", 850 |
| | G10035 | 1 | Hex Head Cap Screw, 1/2"-13 x 4", 1050 |
| | G10228 | 1 | Lock Washer, 1/2" |
| | G11389 | 1 | Washer, 1/2" SAE |
| 12 | GD17332 | 1 | Hex Socket Set Screw, 1/2"-13 x 3" |
| 13 | GB0359 | 1 | Clean Out Sweep |

(WGN169f)



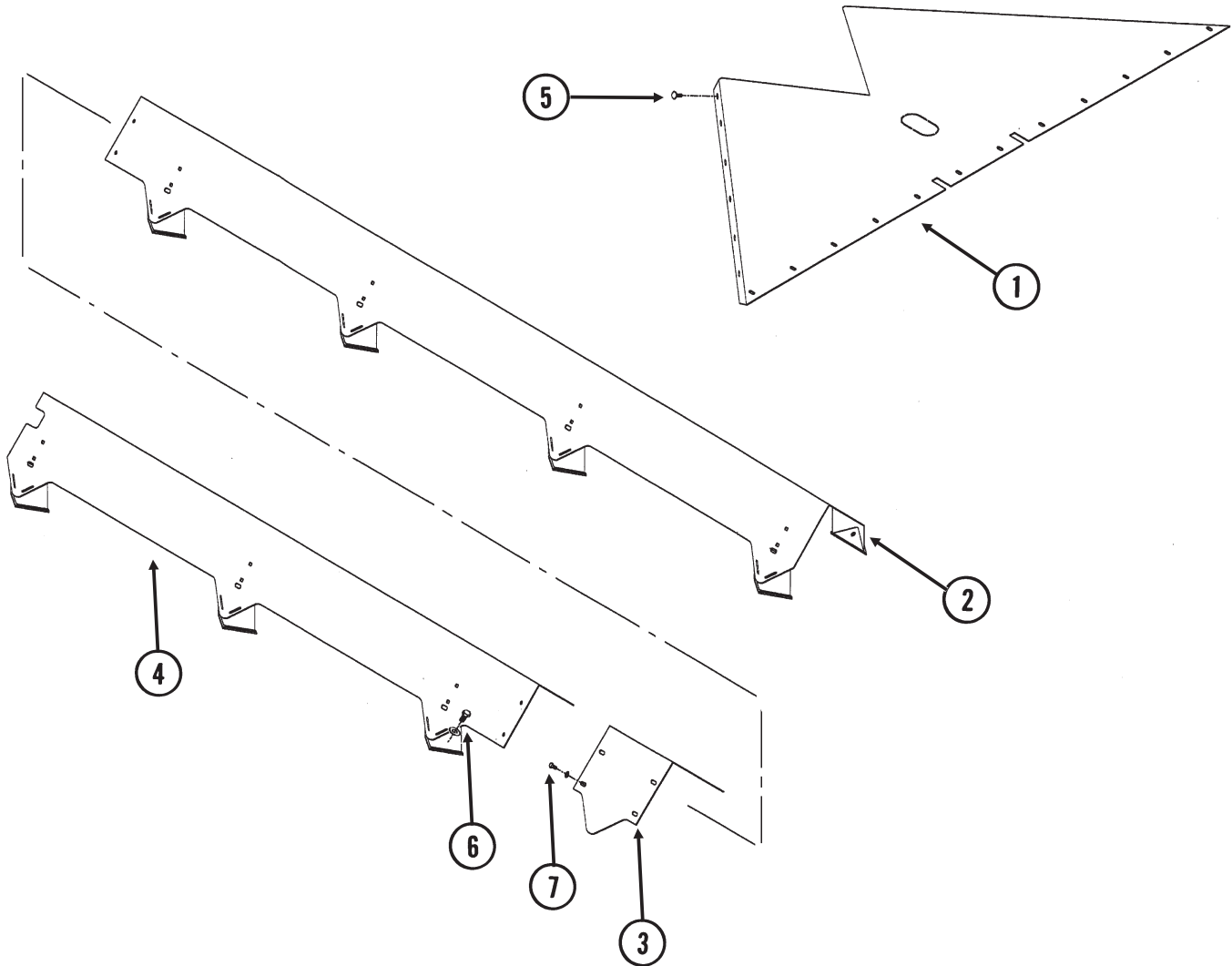
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GD14776 | 1 | Front Tunnel Cover Baffle |
| 2 | GA10519 | 1 | Front Tunnel Cover, 73 ¹ / ₁₆ " |
| 3 | GD13011 | 1 | Center Tunnel Cover |
| 4 | GA10520 | 1 | Rear Tunnel Cover, 78 ¹ / ₄ " |
| 5 | G10308 | 18 | Carriage Bolt, ³ / ₈ "-16 x ³ / ₄ " |
| | G11091 | 18 | Serrated Flange Nut, ³ / ₈ "-16 |
| 6 | G10007 | 14 | Hex Head Cap Screw, ⁵ / ₈ "-11 x 1 ¹ / ₂ " |
| | G11391 | 14 | Washer, ⁵ / ₈ " SAE |
| | G10107 | 14 | Lock Nut, ⁵ / ₈ "-11 |
| 7 | G10034 | 8 | Hex Head Cap Screw, ³ / ₈ "-16 x ¹ / ₂ " |
| | G11387 | 8 | Washer, ³ / ₈ " SAE |
| 8 | GD14036 | 2 | Tunnel Cover Tie |
| 9 | G10305 | 10 | Carriage Bolt, ³ / ₈ "-16 x 1" |

(WGN169e)



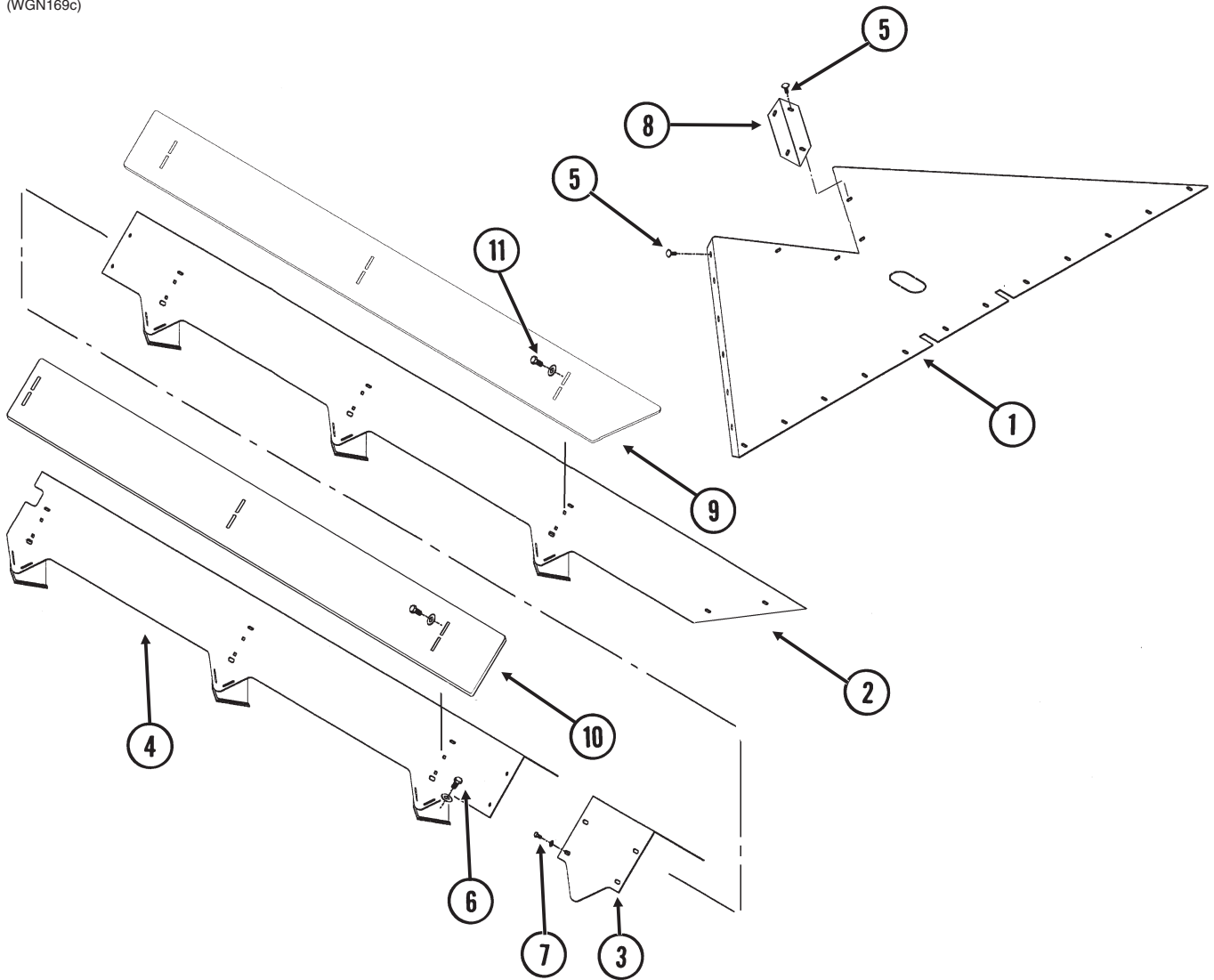
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------|
| 1 | GD14392 | 1 | Front Tunnel Cover Baffle |
| 2 | GA9791 | 1 | Front Tunnel Cover, 69½" |
| 3 | GD13011 | 1 | Center Tunnel Cover |
| 4 | GA9736 | 1 | Rear Tunnel Cover, 91⅞" |
| 5 | G10308 | 20 | Carriage Bolt, ⅜"-16 x ¾" |
| | G11091 | 20 | Serrated Flange Nut, ⅜"-16 |
| 6 | G10007 | 10 | Hex Head Cap Screw, ⅝"-11 x 1½" |
| | G11391 | 10 | Washer, ⅝" SAE |
| | G10107 | 10 | Lock Nut, ⅝"-11 |
| 7 | G10034 | 8 | Hex Head Cap Screw, ⅜"-16 x ½" |
| | G11387 | 8 | Washer, ⅜" SAE |
| 8 | GD14036 | 2 | Tunnel Cover Tie |

(WGN169d)



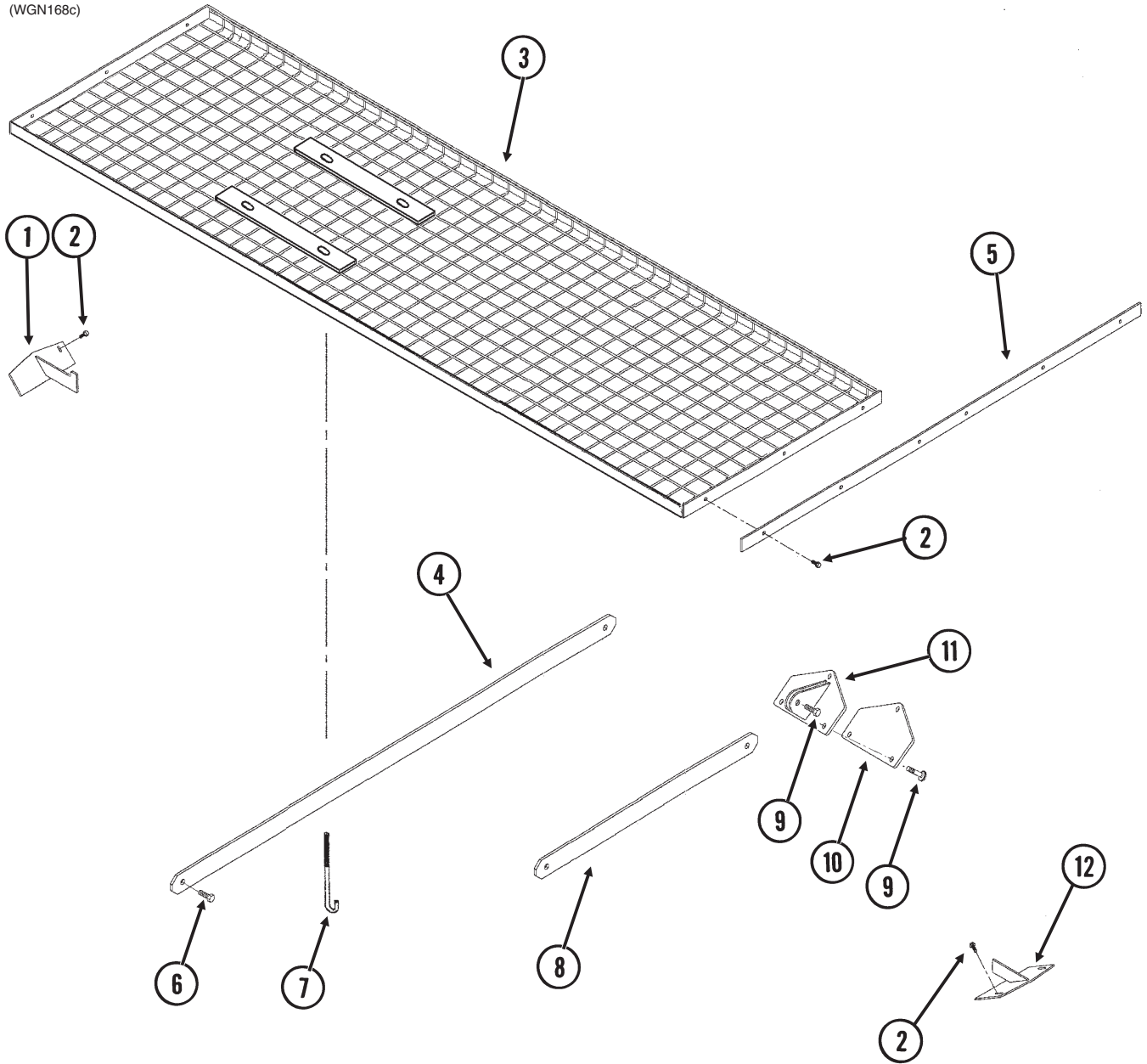
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GD12978 | 1 | Front Tunnel Cover Baffle |
| 2 | GA9250 | 1 | Front Tunnel Cover, 135 ⁷ / ₈ " |
| 3 | GD13011 | 1 | Center Tunnel Cover |
| 4 | GA9249 | 1 | Rear Tunnel Cover, 95 ⁷ / ₈ " |
| 5 | G10308 | 12 | Carriage Bolt, ³ / ₈ "-16 x ³ / ₄ " |
| | G10622 | 12 | Serrated Flange Nut, ³ / ₈ "-16 |
| 6 | G10007 | 14 | Hex Head Cap Screw, ⁵ / ₈ "-11 x 1 ¹ / ₂ " |
| | G11391 | 14 | Washer, ⁵ / ₈ " SAE |
| | G10107 | 14 | Lock Nut, ⁵ / ₈ "-11 |
| 7 | G10034 | 8 | Hex Head Cap Screw, ³ / ₈ "-16 x ¹ / ₂ " |
| | G11387 | 8 | Washer, ³ / ₈ " SAE |

(WGN169c)



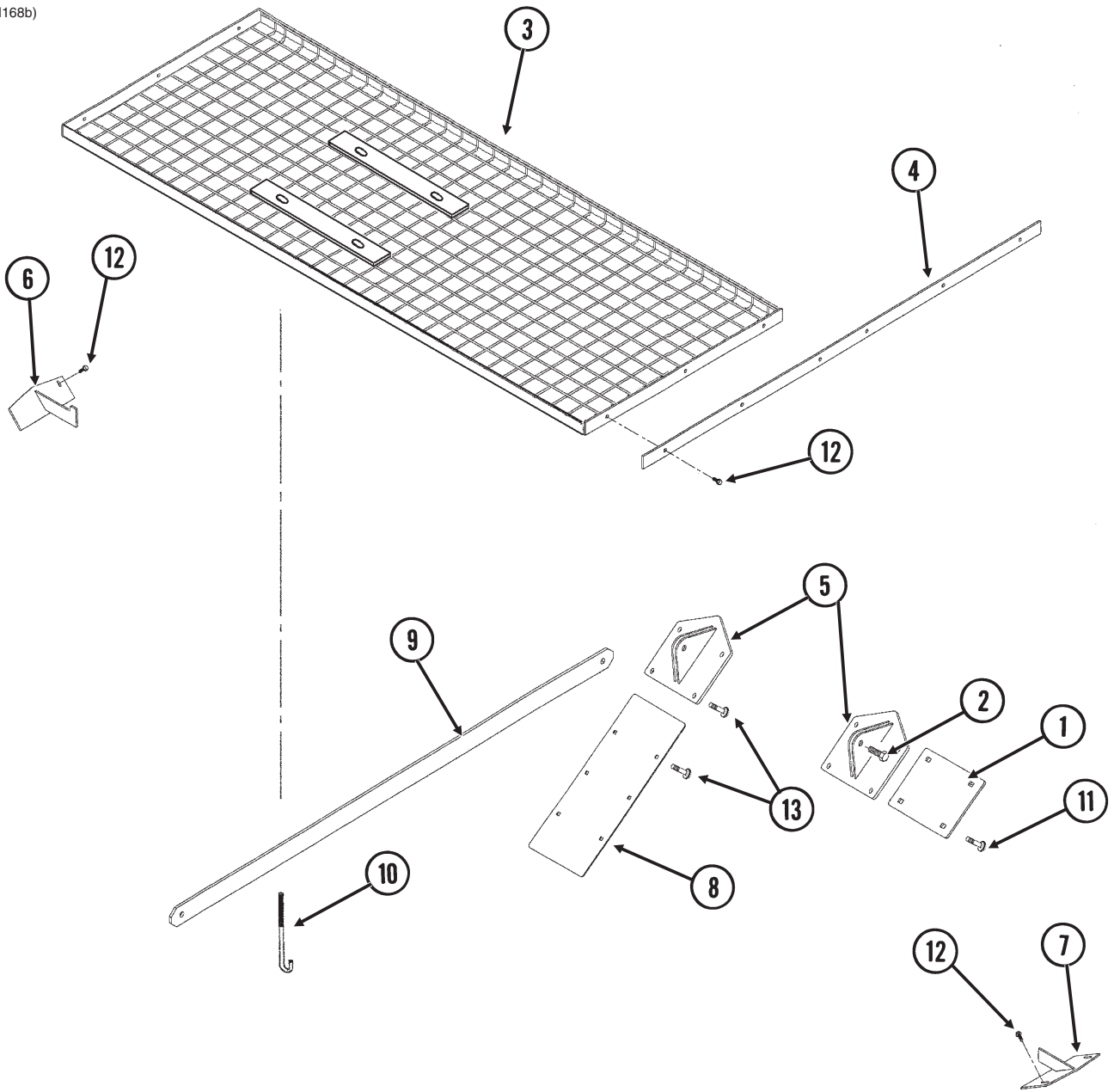
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GD14392 | 1 | Front Tunnel Cover Baffle |
| 2 | GA10016 | 1 | Front Tunnel Cover, 121½" |
| 3 | GD13011 | 1 | Center Tunnel Cover |
| 4 | GA10017 | 1 | Rear Tunnel Cover, 95⅞" |
| 5 | G10308 | 20 | Carriage Bolt, ⅜"-16 x ¾" |
| | G11091 | 20 | Serrated Flange Nut, ⅜"-16 |
| 6 | G10007 | 14 | Hex Head Cap Screw, ⅝"-11 x 1½" |
| | G11391 | 14 | Washer, ⅝" SAE |
| | G10107 | 14 | Lock Nut, ⅝"-11 |
| 7 | G10034 | 8 | Hex Head Cap Screw, ⅜"-16 x ½" |
| | G11387 | 8 | Washer, ⅜" SAE |
| 8 | GD14036 | 2 | Tunnel Cover Tie |
| 9 | GD14539 | 2 | Front Restrictor Plate (If Applicable) |
| 10 | GD14540 | 2 | Rear Restrictor Plate (If Applicable) |
| 11 | G10305 | 24 | Carriage Bolt, ⅜"-16 x 1" |
| | G11387 | 24 | Washer, ⅜" SAE |
| | G10622 | 24 | Serrated Flange Nut, ⅜"-16 |

(WGN168c)



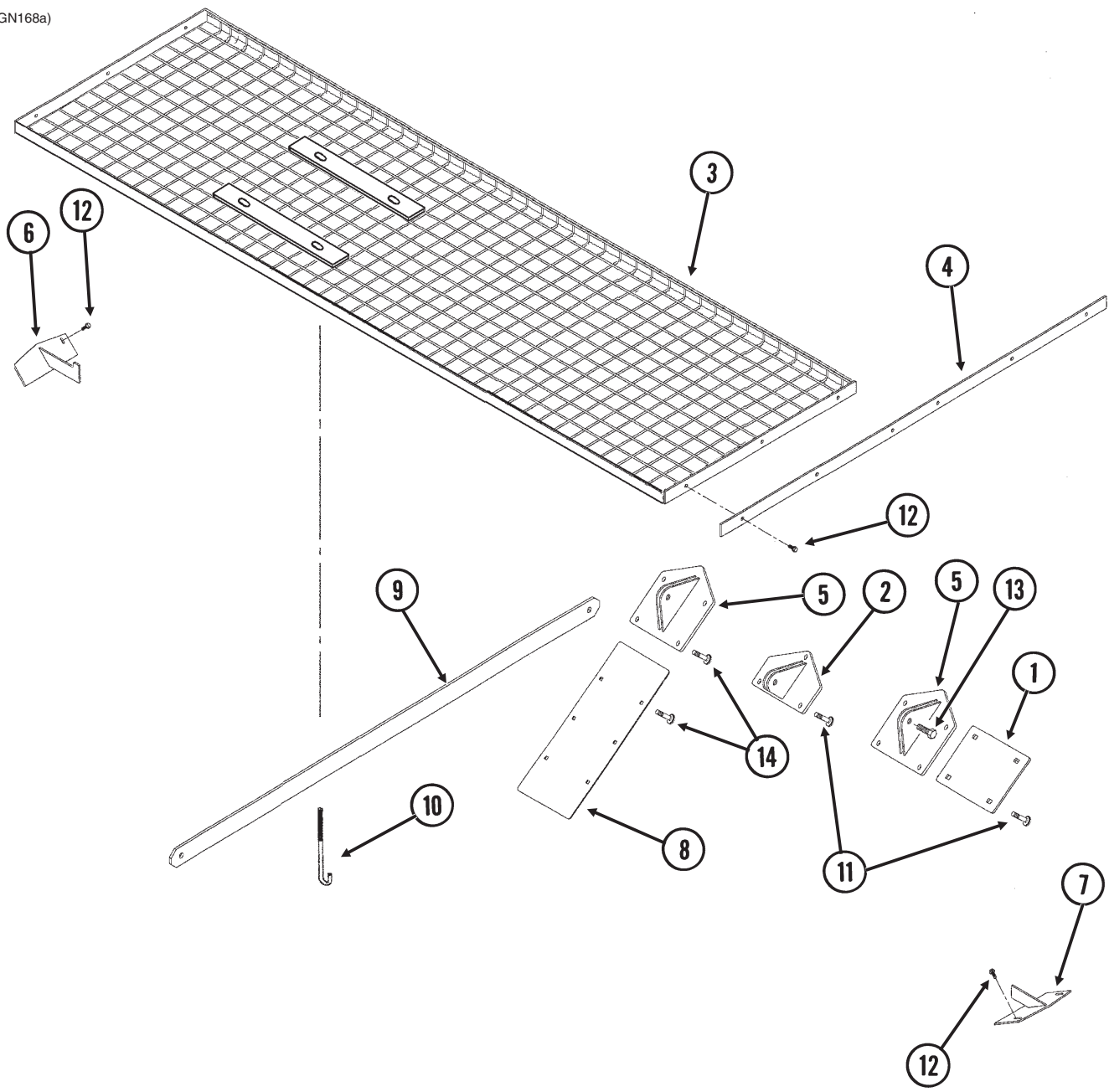
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | GA9716 | 2 | Rear Support |
| 2 | G11046 | 20 | Flange Screw, 3/8"-16 x 1" |
| | G11091 | 20 | Serrated Flange Nut, 3/8"-16 |
| 3 | GA10543 | 4 | Screen, 37 1/4" x 90 3/4" |
| 4 | GD14802 | 3 | Brace, 2" x 97 15/16" |
| 5 | GD13881 | 2 | Tie Bar, 2" x 75" |
| 6 | G10007 | 6 | Hex Head Cap Screw, 5/8"-11 x 1 1/2" |
| | G10107 | 6 | Lock Nut, 5/8"-11 |
| 7 | GD13814 | 8 | J-Bolt, 5/16"-18 x 4 3/4" |
| | G11386 | 8 | Washer, 5/16" SAE |
| | G10109 | 8 | Lock Nut, 5/16"-18, Grade 8 |
| 8 | GD14803 | 2 | Tie Bar, 2" x 61 1/4" |
| 9 | G10026 | - | Hex Head Cap Screw, 3/4"-10 x 2" |
| | G10112 | - | Lock Nut, 3/4"-10 |
| 10 | GD14804 | 4 | Support Plate |
| 11 | GA9276 | 4 | Support |
| 12 | GA9715 | 2 | Front Support |

(WGN168b)



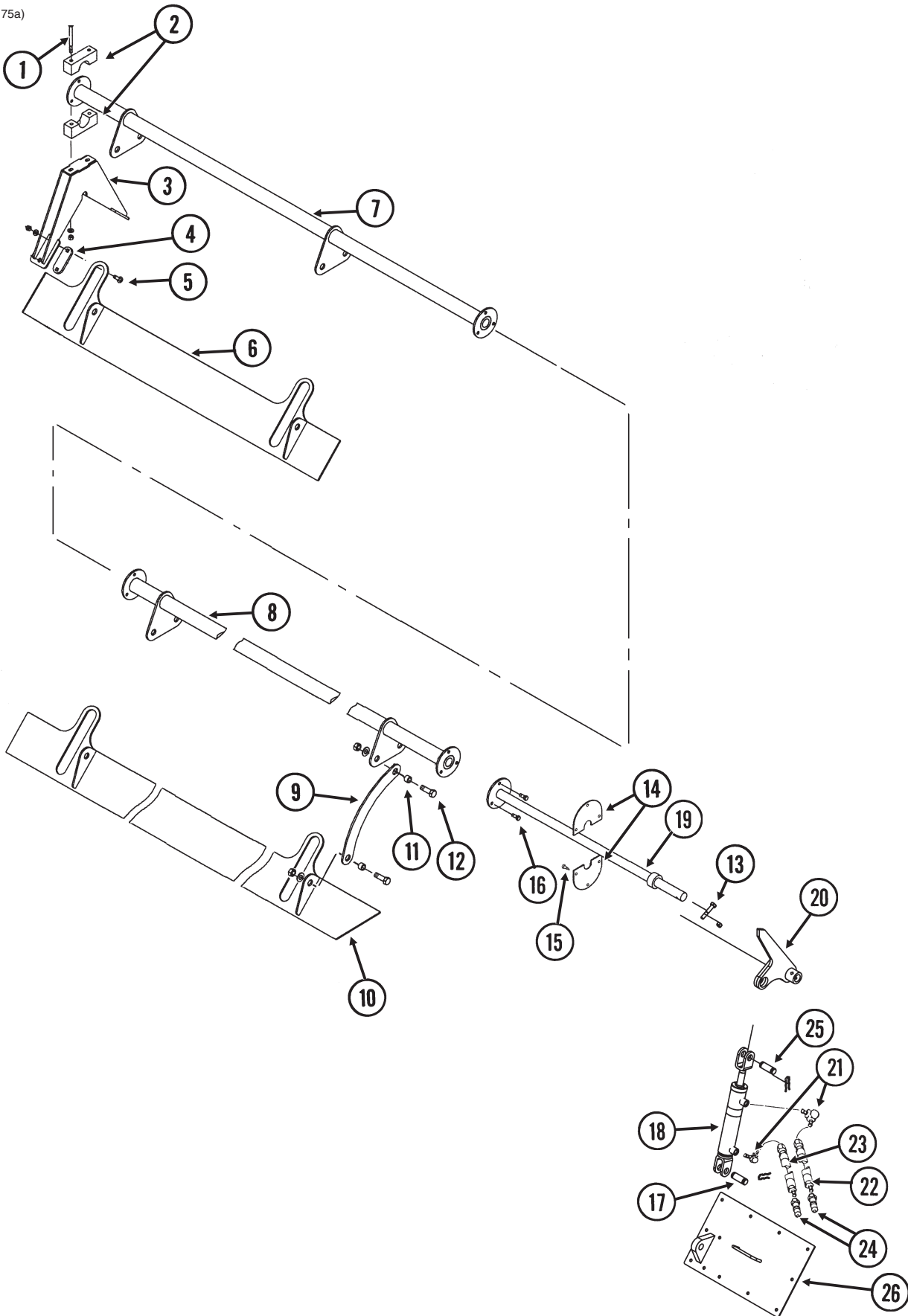
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | GD13050 | 4 | Panel Support |
| 2 | G10026 | 10 | Hex Head Cap Screw, 3/4"-10 x 2" |
| | G10112 | 10 | Lock Nut, 3/4"-10 |
| 3 | GA9790 | 4 | Screen, 37 1/4" x 96 3/4" |
| 4 | GD13881 | 2 | Tie Bar, 2" x 75" |
| 5 | GA9270 | 8 | X-Brace |
| 6 | GA9716 | 2 | Rear Support |
| 7 | GA9715 | 2 | Front Support |
| 8 | GD13045 | 4 | Seam Cover |
| 9 | GD13042 | 4 | Brace, 3" x 82 7/16" |
| 10 | GD20225 | 8 | J-Bolt, 3/8"-16 x 4 3/4" |
| | G11387 | 8 | Washer, 3/8" SAE |
| | G10108 | 8 | Lock Nut, 3/8"-16 |
| 11 | G11043 | - | Carriage Bolt, 5/8"-11 x 1 1/2" |
| | G10107 | - | Lock Nut, 5/8"-11 |
| 12 | G11046 | - | Flange Screw, 3/8"-16 x 1" |
| | G11091 | - | Serrated Flange Nut, 3/8"-16 |
| 13 | G10305 | - | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | - | Serrated Flange Nut, 3/8"-16 |

(WGN168a)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GD13050 | 2 | Panel Support |
| 2 | GA9276 | 4 | Support |
| 3 | GA9699 | 4 | Screen, 37 $\frac{1}{4}$ " x 120 $\frac{3}{4}$ " |
| 4 | GD13881 | 2 | Tie Bar, 2" x 75" |
| 5 | GA9270 | 6 | X-Brace |
| 6 | GA9716 | 2 | Rear Support |
| 7 | GA9715 | 2 | Front Support |
| 8 | GD13045 | 4 | Seam Cover |
| 9 | GD13042 | 5 | Brace, 3" x 82 $\frac{7}{16}$ " |
| 10 | GD20225 | 8 | J-Bolt, $\frac{3}{8}$ "-16 x 4 $\frac{3}{4}$ " |
| | G11387 | 8 | Washer, $\frac{3}{8}$ " SAE |
| | G10108 | 8 | Lock Nut, $\frac{3}{8}$ "-16 |
| 11 | G11043 | - | Carriage Bolt, $\frac{5}{8}$ "-11 x 1 $\frac{1}{2}$ " |
| | G10107 | - | Lock Nut, $\frac{5}{8}$ "-11 |
| 12 | G11046 | - | Flange Screw, $\frac{3}{8}$ "-16 x 1" |
| | G11091 | - | Serrated Flange Nut, $\frac{3}{8}$ "-16 |
| 13 | G10026 | 10 | Hex Head Cap Screw, $\frac{3}{4}$ "-10 x 2" |
| | G10112 | 10 | Lock Nut, $\frac{3}{4}$ "-10 |
| 14 | G10305 | - | Carriage Bolt, $\frac{3}{8}$ "-16 x 1" |
| | G11091 | - | Serrated Flange Nut, $\frac{3}{8}$ "-16 |

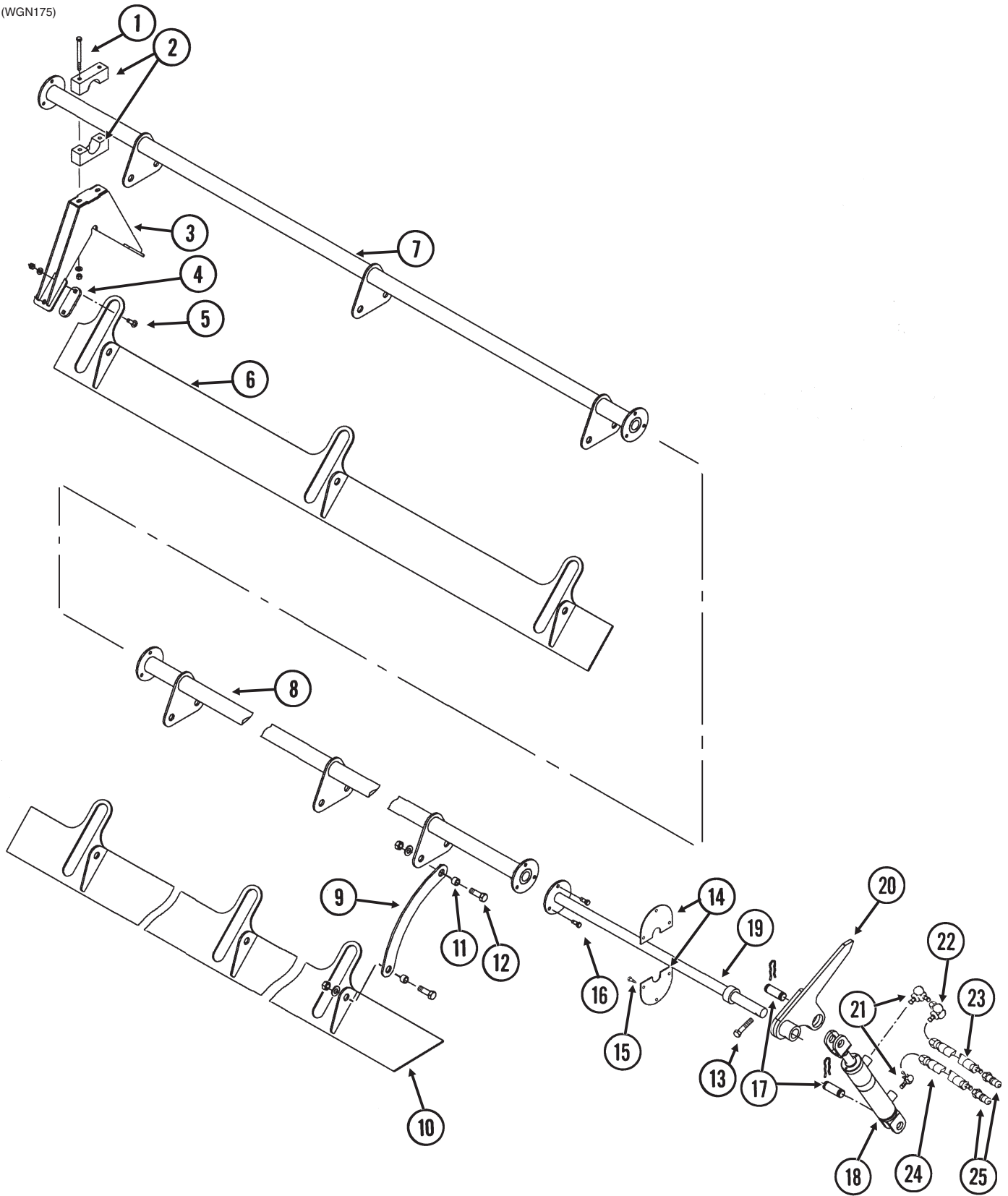
(WGN175a)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|--|
| 1 | G10753 | 8 | Hex Head Cap Screw, 3/8"-16 x 4 1/2" |
| | G11387 | 16 | Washer, 3/8" SAE |
| | G10108 | 8 | Lock Nut, 3/8"-16 |
| 2 | GD13909 | 8 | Nylon Bearing Half |
| 3 | GA9834 | 4 | Support Tower |
| 4 | GD13901 | 8 | Spacer Plate, 1 1/2" x 4" |
| 5 | G10301 | 16 | Carriage Bolt, 3/8"-16 x 1 1/2" |
| | G11387 | 16 | Washer, 3/8" SAE |
| | G10108 | 16 | Lock Nut, 3/8"-16 |
| 6 | GA10611 | - | Rear Flow Gate, L.H., 75" |
| | GA10610 | - | Rear Flow Gate, R.H., 75" |
| 7 | GA10612 | 1 | Rock Shaft, 76" |
| 8 | GA9765 | - | Rock Shaft, 54" |
| 9 | GD13891 | 8 | Lift Link |
| 10 | GA10613 | - | Front Flow Gate, 59 3/8", L.H. |
| | GA10614 | - | Front Flow Gate, 59 3/8", R.H., |
| 11 | GB0218 | 16 | Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long |
| 12 | G10005 | 16 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G11391 | 32 | Washer, 5/8", SAE |
| | G10107 | 16 | Lock Nut, 5/8"-11 |
| 13 | G10397 | 1 | Hex Head Cap Screw, 1/2"-13 x 2 3/4" |
| | G10111 | 1 | Lock Nut, 1/2"-13 |
| 14 | GD14402 | 2 | Baffle Cover |
| 15 | G10522 | 6 | Slotted Hex Self-Tapping Screw, 1/4"-20 x 3/4" |
| 16 | G10001 | 6 | Hex Head Cap Screw, 3/8"-16 x 1" |
| | G10108 | 6 | Lock Nut, 3/8"-16 |
| 17 | GR0367 | 1 | Pin, 1" x 2 7/8" |
| | GR0193 | 4 | Hair Pin Clip |
| 18 | --- | - | See "Hydraulic Flow Gate Cylinder, 650" on page P117 |
| 19 | GA10615 | 1 | Front Shaft, 42" |
| 20 | GA10616 | 1 | Indicator |
| 21 | G6801-06-08 | 2 | Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To 3/4"-16 O-Ring |
| | GR1037 | - | O-Ring |
| 22 | *A1128 | 1 | Hose Assembly, 1/4" x 150" |
| 23 | *A7602 | 1 | Hose Assembly, 1/4" x 156" |
| 24 | GD4086 | 2 | ISO Coupler |
| 25 | GR0375 | 1 | Pin, 1" x 3 1/2" |
| 26 | GA10617 | 1 | Transfer Case Cover |

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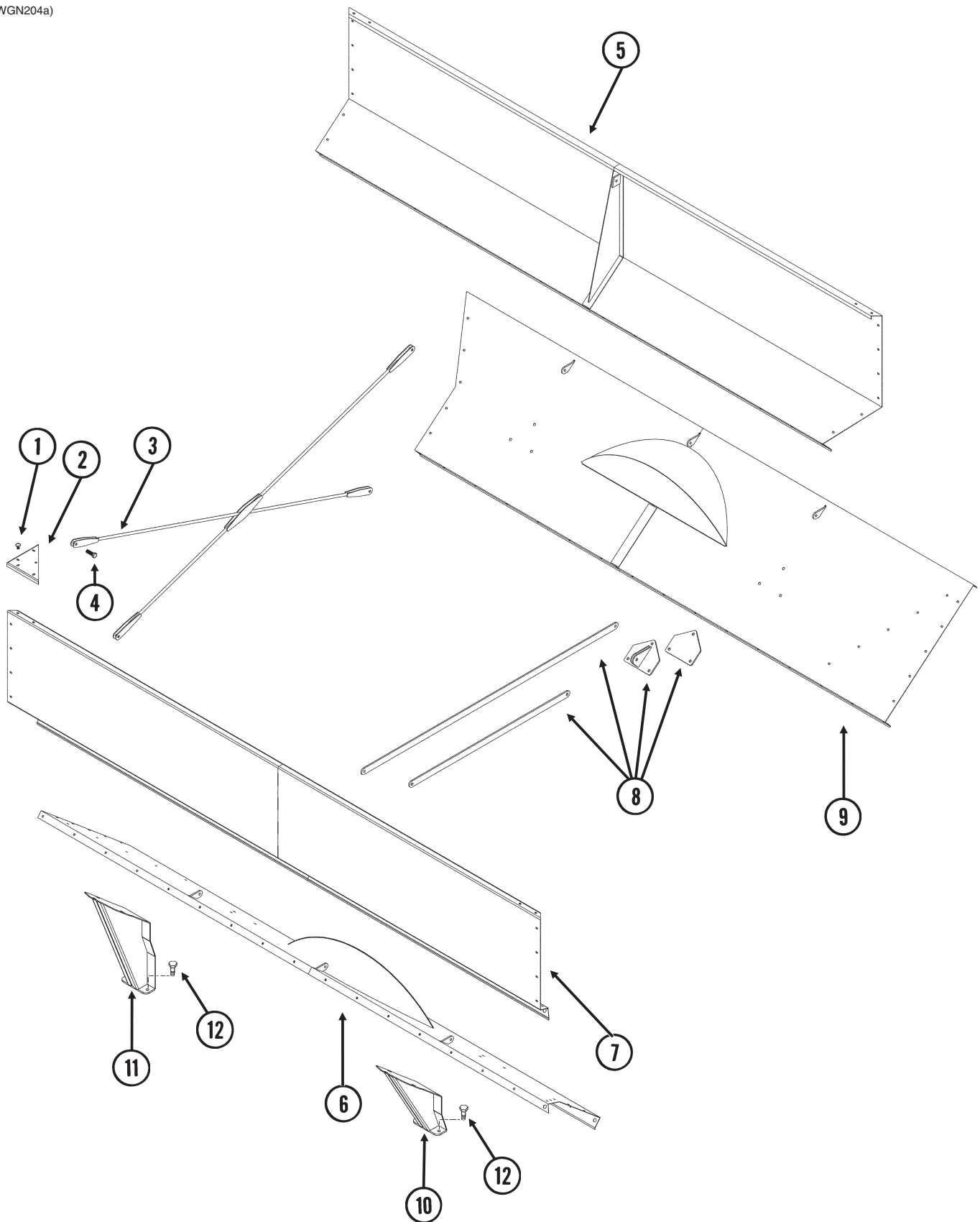
(WGN175)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|-------|---|
| 1 | G10753 | 10-12 | Hex Head Cap Screw, 3/8"-16 x 4 1/2" |
| | G11387 | 20-24 | Washer, 3/8" SAE |
| | G10108 | 10-12 | Lock Nut, 3/8"-16 |
| 2 | GD13909 | 10-12 | Nylon Bearing Half |
| 3 | GA9834 | 5-6 | Support Tower |
| 4 | GD13901 | 10-12 | Spacer Plate, 1 1/2" x 4" |
| 5 | G10301 | 20-24 | Carriage Bolt, 3/8"-16 x 1 1/2" |
| | G11387 | 20-24 | Washer, 3/8" SAE |
| | G10108 | 20-24 | Lock Nut, 3/8"-16 |
| 6 | GA9833 | 1 | Rear Flow Gate, 93 1/8", L.H., 1050 (Shown) |
| | GA9832 | 1 | Rear Flow Gate, 93 1/8", R.H., 1050 |
| | GA9769 | - | Rear Flow Gate, 89 1/8", L.H., 850 |
| | GA9768 | - | Rear Flow Gate, 89 1/8", R.H., 850 |
| 7 | GA9829 | 1 | Rock Shaft, 102", 850/1050 |
| 8 | GA9829 | 1 | Rock Shaft, 102", 1050 (Shown) |
| | GA9765 | - | Rock Shaft, 54", 850 |
| 9 | GD13891 | 10-12 | Lift Link |
| 10 | GA9831 | 1 | Front Flow Gate, 108 3/8", L.H., 1050 (Shown) |
| | GA9830 | 1 | Front Flow Gate, 108 3/8", R.H., 1050 |
| | GA9767 | - | Front Flow Gate, 64 3/8", L.H., 850 |
| | GA9766 | - | Front Flow Gate, 64 3/8", R.H., 850 |
| 11 | GB0218 | 20-24 | Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long |
| 12 | G10005 | 20-24 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G11391 | 40-48 | Washer, 5/8", SAE |
| | G10107 | 20-24 | Lock Nut, 5/8"-11 |
| 13 | G10397 | 1 | Hex Head Cap Screw, 1/2"-13 x 2 3/4" |
| | G10111 | 1 | Lock Nut, 1/2"-13 |
| 14 | GD14402 | 2 | Baffle Cover |
| 15 | G10522 | 5-6 | Slotted Hex Self-Tapping Screw, 1/4"-20 x 3/4" |
| 16 | G10001 | 6 | Hex Head Cap Screw, 3/8"-16 x 1" |
| | G10108 | 6 | Lock Nut, 3/8"-16 |
| 17 | GR0367 | 2 | Pin, 1" x 2 7/8" |
| | GR0193 | 4 | Hair Pin Clip |
| 18 | --- | - | See "Hydraulic Flow Gate Cylinder, 850/1050" on page P117 |
| 19 | GA9828 | 1 | Front Shaft, 41" |
| 20 | GA9827 | 1 | Indicator |
| 21 | G6801-06-08 | 2 | Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To 3/4"-16 O-Ring |
| | GR1037 | - | O-Ring |
| 22 | G6500-06 | 1 | Swivel Elbow, 90°, 1/16"-18 Male JIC To Female |
| 23 | *A1128 | 1 | Hose Assembly, 1/4" x 150" |
| 24 | *A7602 | 1 | Hose Assembly, 1/4" x 156" |
| 25 | GD4086 | 2 | ISO Coupler |

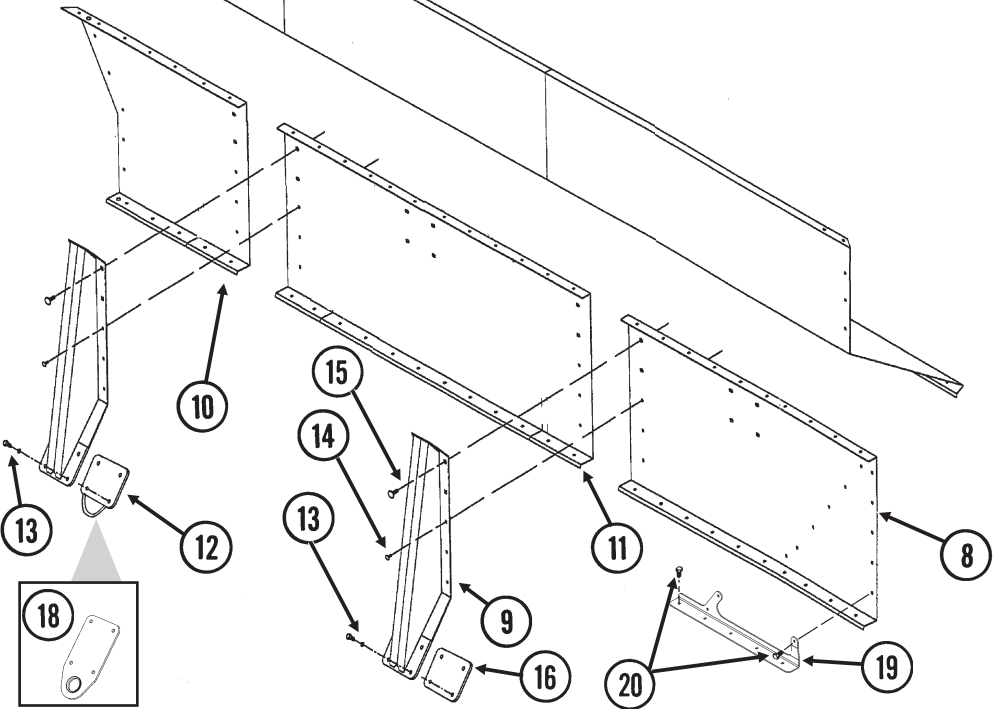
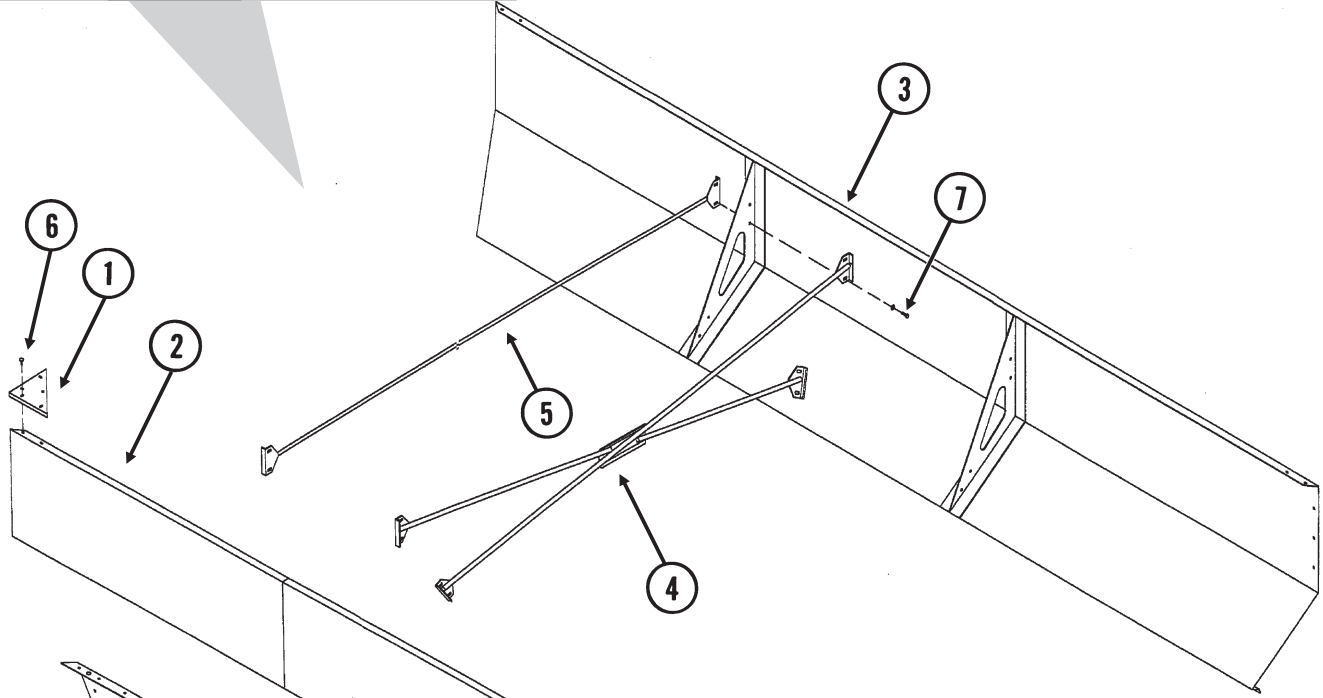
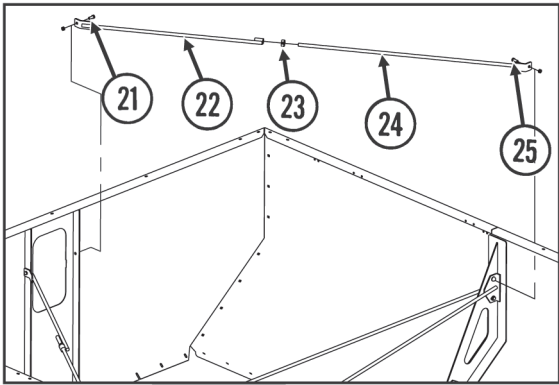
*Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.

(WGN204a)



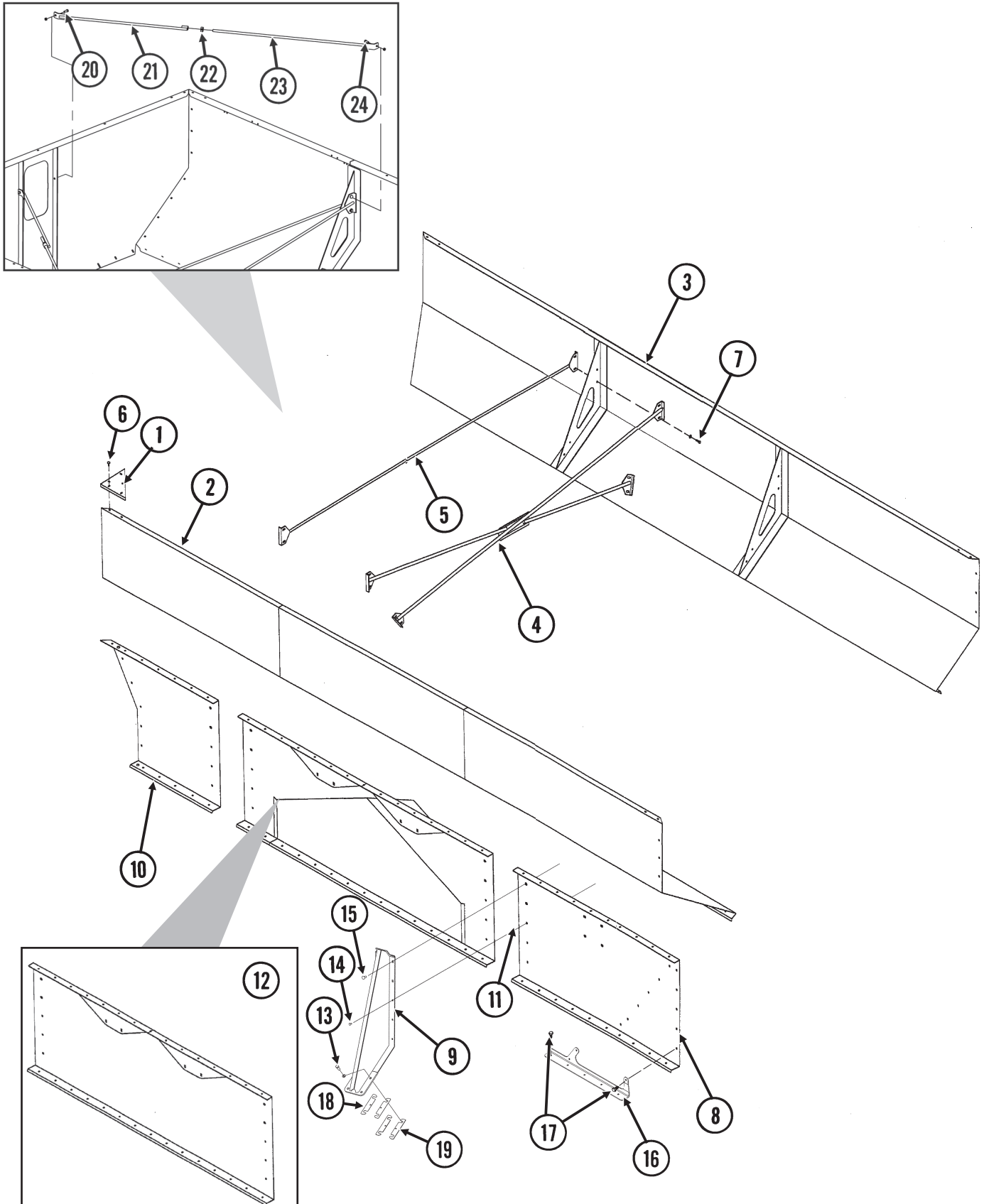
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | G10308 | 16 | Carriage Bolt, 3/8"-16 x 3/4" |
| | G11091 | 16 | Serrated Flange Nut, 3/8"-16 |
| 2 | GD0327 | 4 | Corner Cap |
| 3 | GA10536 | 1 | Cross Brace |
| 4 | G10008 | 4 | Hex Head Cap Screw, 5/8"-11 x 2" |
| | G10107 | 4 | Lock Nut, 5/8"-11 |
| 5 | GA10241 | 1 | Side Panel, L.H. |
| 6 | GA10238 | 1 | Lower Side Panel, R.H. |
| 7 | GA10240 | 1 | Side Panel, R.H. |
| 8 | --- | - | See "Lower Grain Tank Safety Screens, 650" on page P66 |
| 9 | GA10239 | 1 | Lower Side Panel, L.H. |
| 10 | GA10868 | - | Front Side Stake |
| 11 | GA10869 | - | Rear Side Stake |
| 12 | G10007 | 8 | Hex Head Cap Screw, 5/8"-11 x 1 1/2" |
| | G10107 | 8 | Lock Nut, 5/8"-11 |

(WGN170e)



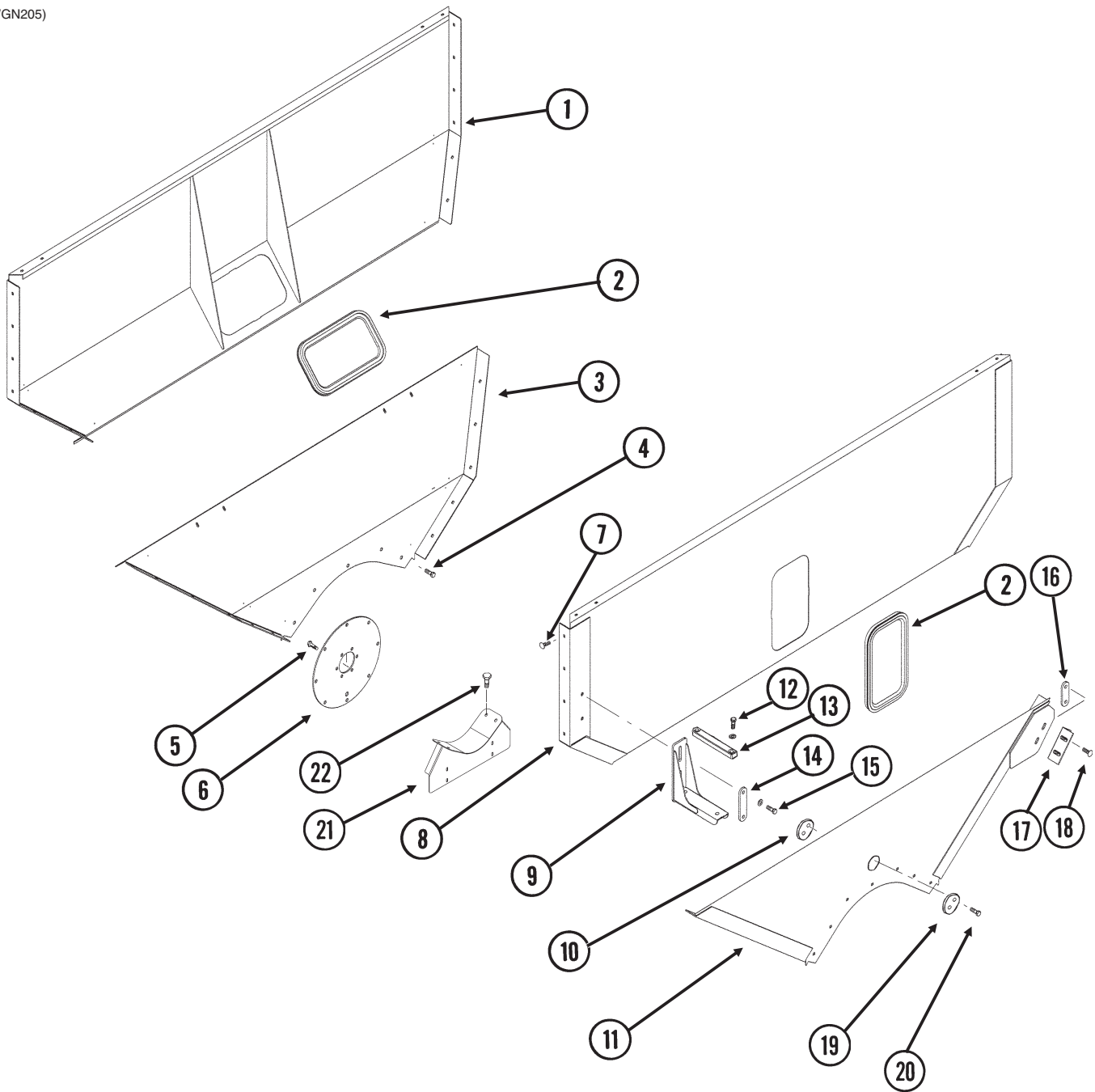
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | GD0327 | 4 | Corner Cap |
| 2 | GA9772 | 1 | Side Panel, R.H. |
| 3 | GA9773 | 1 | Side Panel, L.H. |
| 4 | GA9277 | 2 | Cross Brace |
| 5 | GA9278 | 2 | Tie Rod |
| 6 | G10305 | 16 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 16 | Serrated Flange Nut, 3/8"-16 |
| 7 | G10017 | 14 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 28 | Washer, 1/2" SAE |
| | G10111 | 14 | Lock Nut, 1/2"-13 |
| 8 | GD13988 | 1 | Lower Front Side Panel, R.H. (Shown) |
| | GD13989 | 1 | Lower Front Side Panel, L.H. |
| 9 | GA13919 | 4 | Side Stake |
| 10 | GD13986 | 1 | Lower Rear Side Panel, R.H. (Shown) |
| | GD13987 | 1 | Lower Rear Side Panel, L.H. |
| 11 | GD13990 | 2 | Lower Center Panel |
| 12 | GA9792 | 2 | Tie Down Plate |
| 13 | G10440 | 16 | Hex Head Cap Screw, 3/4"-10 x 6" |
| | G10112 | 16 | Lock Nut, 3/4"-10 |
| 14 | G10305 | 24 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 24 | Serrated Flange Nut, 3/8"-16 |
| 15 | G11043 | 16 | Carriage Bolt, 5/8"-11 x 1 1/2" |
| | G10107 | 16 | Lock Nut, 5/8"-11 |
| 16 | GD14033 | 2 | Stake Mount Plate |
| 17 | G10440 | 8 | Hex Head Cap Screw, 3/4"-10 x 6" |
| | G10112 | 8 | Lock Nut, 3/4"-10 |
| 18 | GA10861 | 2 | Tie Down Plate |
| 19 | GD15976 | 1 | Tie Plate, R.H. (Shown) |
| | GD15975 | 1 | Tie Plate, L.H. |
| 20 | G10305 | - | Carriage Bolt, 3/8"-16 x 1" |
| 21 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 X 1 1/4" |
| | G11389 | 4 | Flat Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 22 | GA14693 | 1 | 850 Front Panel Brace |
| 23 | G10105 | 1 | Hex Nut, 3/4"-10 |
| 24 | GA14692 | 2 | Front Panel Brace |
| 25 | G10039 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 3/4" |
| | G11389 | 4 | Flat Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |

(WGN170i)



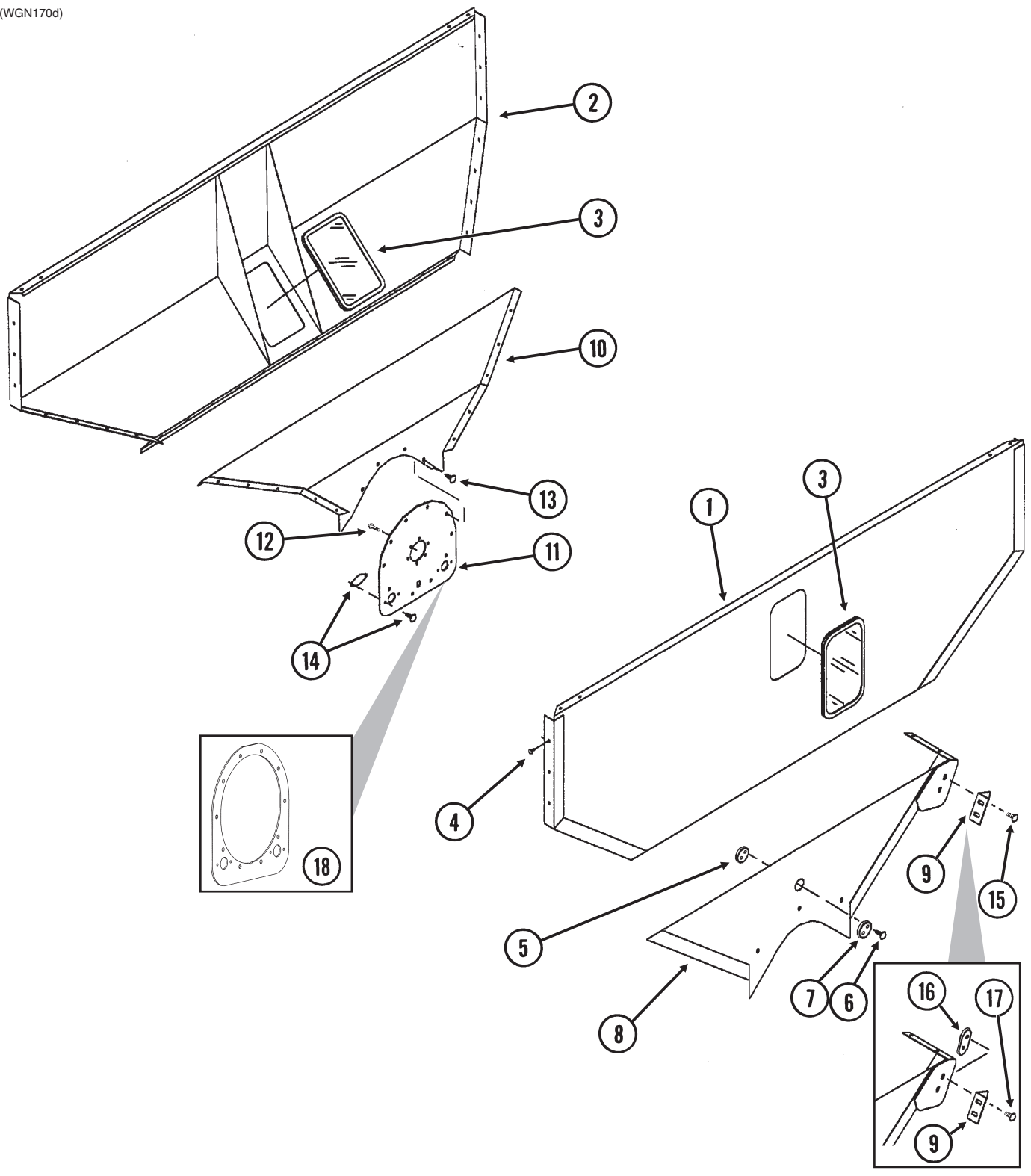
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GD0327 | 4 | Corner Cap |
| 2 | GA9252 | 1 | Side Panel, R.H. |
| 3 | GA9251 | 1 | Side Panel, L.H. |
| 4 | GA9277 | 2 | Cross Brace |
| 5 | GA9278 | 2 | Tie Rod |
| 6 | G10305 | 16 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 16 | Serrated Flange Nut, 3/8"-16 |
| 7 | G10017 | 14 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 28 | Washer, 1/2" SAE |
| | G10111 | 14 | Lock Nut, 1/2"-13 |
| 8 | GD12878 | 1 | Lower Front Side Panel, R.H. (Shown) |
| | GD12879 | 1 | Lower Front Side Panel, L.H. |
| 9 | GA14864 | 4 | Side Stake |
| 10 | GD12880 | 1 | Lower Rear Side Panel, R.H. (Shown) |
| | GD12881 | 1 | Lower Rear Side Panel, L.H. |
| 11 | GA9261 | 2 | Wheel Well, Sof-Tred And Row Crop Wagons |
| 12 | GA9343 | 2 | Lower Center Panel, Sof-Trak Wagon |
| 13 | G11042 | 16 | Hex Head Cap Screw, 3/4"-10 x 1 3/4" |
| | G10231 | 16 | Lock Washer, 3/4" |
| 14 | G10305 | 24 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 24 | Serrated Flange Nut, 3/8"-16 |
| 15 | G11043 | 16 | Carriage Bolt, 5/8"-11 x 1 1/2" |
| | G10107 | 16 | Lock Nut, 5/8"-11 |
| 16 | GD15974 | 1 | Tie Plate, R.H. (Shown) |
| | GD15973 | 1 | Tie Plate, L.H. |
| 17 | G10305 | - | Carriage Bolt, 3/8"-16 x 1" |
| 18 | GD21336 | 8 | Shim, 16 Gauge (As Required) |
| 19 | GD21335 | 8 | Shim, 10 Gauge (As Required) |
| 20 | G10037 | 2 | Hex Head Cap Screw, 1/2"-13 X 1 1/4" |
| | G11389 | 4 | Flat Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 21 | GA14691 | 1 | 1050 Front Panel Brace |
| 22 | G10105 | 1 | Hex Nut, 3/4"-10 |
| 23 | GA14692 | 2 | Front Panel Brace |
| 24 | G10039 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 3/4" |
| | G11389 | 4 | Flat Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |

(WGN205)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GA10235 | 1 | Rear Panel (Less Window) |
| 2 | GA9300 | 2 | Window Assembly |
| 3 | GA10234 | 1 | Lower Rear Panel |
| 4 | G10055 | 13 | Hex Head Cap Screw, 5/8"-11 x 1 1/4" |
| | G10107 | 13 | Lock Nut, 5/8"-11 |
| 5 | GR0270 | 6 | Lug Bolt, 9/16"-18 |
| 6 | GD14756 | 1 | Inspection Cover |
| 7 | G10305 | 24 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 24 | Serrated Flange Nut, 3/8"-16 |
| 8 | GA10237 | 1 | Front Panel (Less Window) |
| 9 | GA10537 | 1 | Auger Rest |
| 10 | GA9369 | 1 | Threaded Flow Gate Access Cover |
| 11 | GA10236 | 1 | Lower Front Panel |
| 12 | G10008 | 2 | Hex Head Cap Screw, 5/8"-11 x 2" |
| | G11391 | 2 | Washer, 5/8" SAE |
| | G10104 | 2 | Hex Nut, 5/8"-11 |
| 13 | GA9088 | 1 | Molded Stop, 12 1/4" Long (Replaces GD4512 And GD6772) |
| 14 | GD14801 | 1 | Pressure Plate |
| 15 | G10017 | 2 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 2 | Washer, 1/2" SAE |
| | G10111 | 2 | Lock Nut, 1/2"-13 |
| 16 | GD14653 | 1 | Pressure Plate |
| 17 | GA9345 | 1 | Auger Support Bracket |
| 18 | G10689 | 2 | Carriage Bolt, 5/8"-11 x 2" |
| | G11391 | 4 | Washer, 5/8", SAE |
| | G10104 | 2 | Hex Nut, 5/8"-11 |
| 19 | GD13812 | 1 | Flow Gate Access Cover |
| 20 | G10049 | 2 | Hex Head Cap Screw, 3/8"-16 x 2 1/2" |
| 21 | GA10871 | 1 | Trough Saddle |
| 22 | G10017 | 4 | Hex Head Cap Screw, 1/2"-13 x 1 1/2" |
| | G11389 | 4 | Washer, 1/2" SAE |
| | G10111 | 8 | Lock Nut, 1/2"-13 |

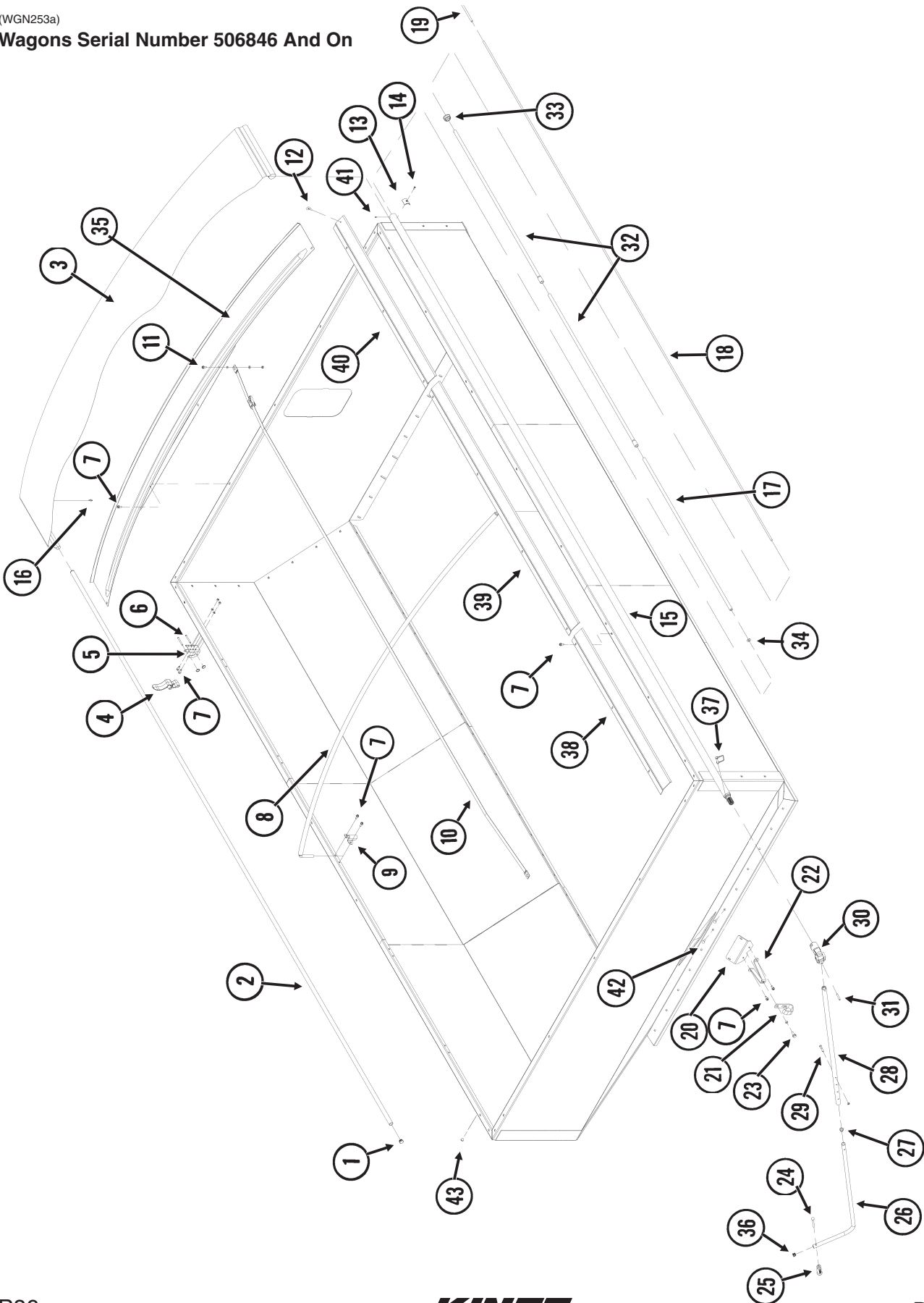
(WGN170d)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GA9266 | 1 | Front Panel (Less Window) |
| 2 | GA9267 | 1 | Rear Panel (Less Window) |
| 3 | GA9300 | 2 | Window Assembly |
| 4 | G10305 | 28 | Carriage Bolt, 3/8"-16 x 1" |
| | G11091 | 28 | Serrated Flange Nut, 3/8"-16 |
| 5 | GA9369 | 1 | Threaded Flow Gate Access Cover |
| 6 | G10325 | 2 | Hex Head Cap Screw, 3/8"-16 x 2 3/4" |
| 7 | GD13812 | 1 | Flow Gate Access Cover |
| 8 | GA9770 | 1 | Lower Front Panel, 850 |
| | GA9264 | - | Lower Front Panel, 1050 |
| 9 | GA9345 | 1 | Auger Support Bracket |
| 10 | GA9771 | 1 | Lower Rear Panel, 850 |
| | GA9265 | - | Lower Rear Panel, 1050 |
| 11 | GD14035 | 1 | Inspection Cover, 850 |
| | GD12946 | - | Inspection Cover, 1050 (Prior To Serial No. 505142) |
| | GD14393 | - | Inspection Cover, 1050 (Serial No. 505142 And On) |
| 12 | GR0270 | 6 | Lug Bolt, 9/16"-18 |
| 13 | G10005 | 10 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| | G10107 | 10 | Lock Nut, 5/8"-11 |
| 14 | --- | - | See "Grain Tank Clean Out Sweep, 850/1050" on page P60 |
| 15 | G11043 | 2 | Carriage Bolt, 5/8"-11 x 1 1/2" |
| | G10689 | - | Carriage Bolt, 5/8"-11 x 2" |
| | G11391 | 2 | Washer, 5/8", SAE |
| | G10104 | 2 | Hex Nut, 5/8"-11 |
| 16 | GD14653 | 1 | Pressure Plate |
| 17 | G10689 | 2 | Carriage Bolt, 5/8"-11 x 2" |
| | G11391 | 2 | Washer, 5/8", SAE |
| | G10104 | 2 | Hex Nut, 5/8"-11 |
| 18 | GD22479 | 1 | Spacer, 1050 (As Required) (2011 Production) |

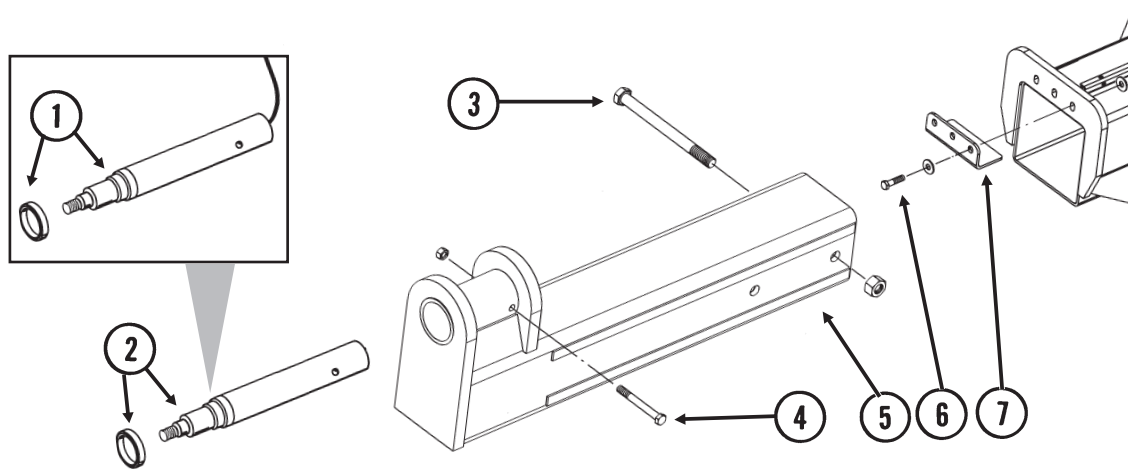
(WGN253a)

Wagons Serial Number 506846 And On



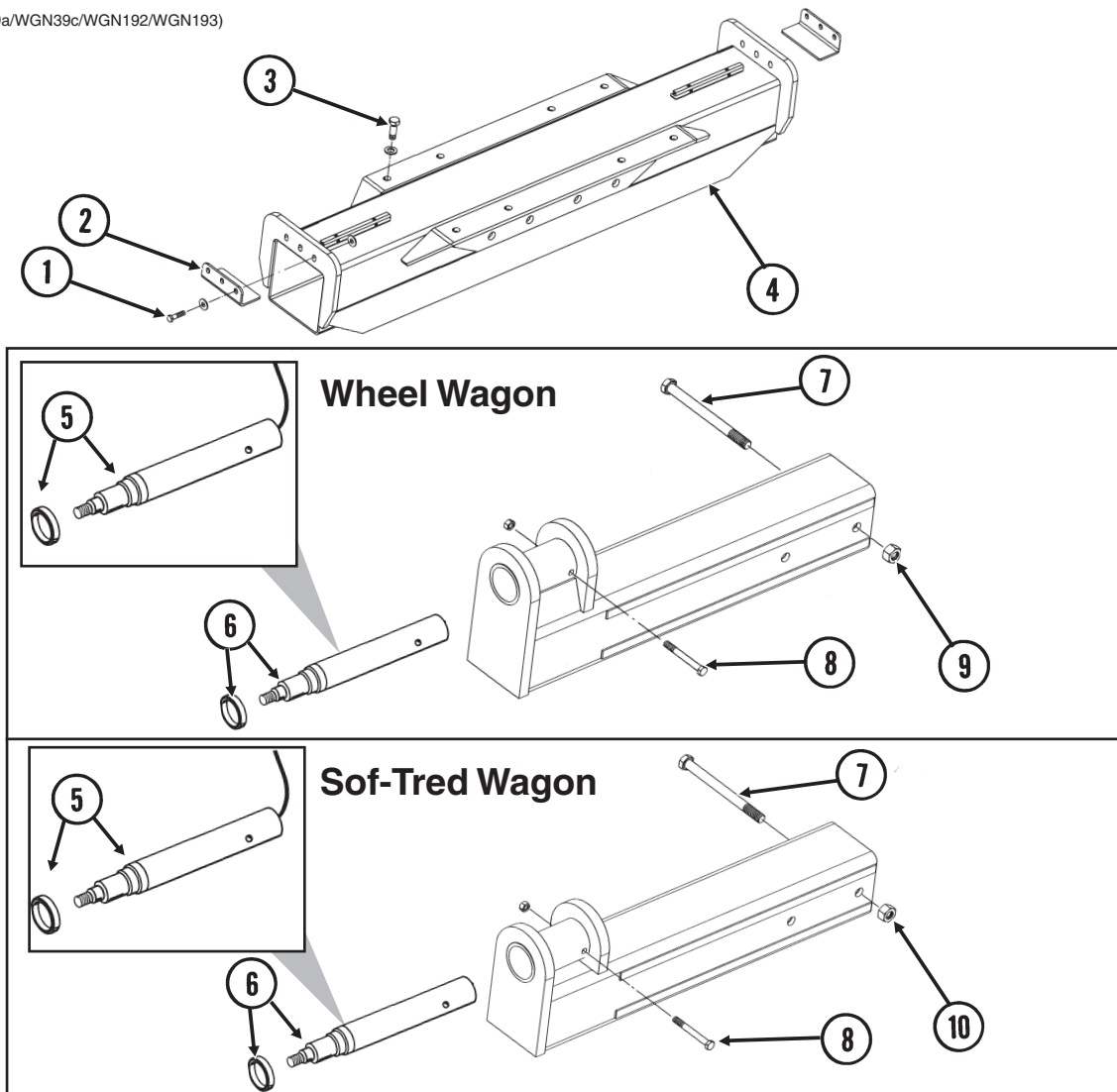
| ITEM | PART NO. | QTY. | DESCRIPTION | ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|------|----------|------|---|
| 1 | GD18975 | 2 | End Plug, Fixed Tube | 24 | G11270 | 1 | Carriage Bolt, 3/8"-16 x 5 1/2" |
| 2 | GD18973 | 1 | Fixed Tube (850 Wagon) | | G11387 | 1 | Washer, 3/8" SAE |
| | GD18993 | 1 | Fixed Tube (1050 Wagon) | | G10108 | 6 | Locknut, 3/8"-16 |
| 3 | GA13350 | 1 | Tarp (850 Wagon) | 25 | GD18969 | 1 | Handle |
| | GA13351 | 1 | Tarp (1050 Wagon) | 26 | GD18971 | 1 | Arm Crank Pipe |
| 4 | GD18977 | 4 | Tarp Stop Shank | 27 | GD18972 | 1 | Handle End Plug |
| 5 | GD18976 | 4 | Tarp Stop Bracket | 28 | GA13343 | 1 | Upper Crank Pipe |
| 6 | GD18978 | 8 | Tarp Stop Pin | 29 | G10047 | 1 | Hex Head Cap Screw, 3/8"-18 x 1 3/4" |
| | GD20596 | 8 | Bow Tie Cotter Pin, 1 3/8" | | G10108 | 6 | Lock Nut, 3/8"-16 |
| 7 | G10985 | - | Hex Washer Head Cap Screw, 3/8"-16 x 1" | 30 | GA13344 | 1 | Universal Joint Crank |
| | G10229 | - | Lock Washer, 3/8" | 31 | G10610 | 1 | Spring Pin, 3/8" x 2" |
| | G10101 | - | Hex Nut, 3/8"-16 | 32 | GD18992 | 2 | PVC Roll Return Pipe, 60" |
| 8 | GA13348 | - | Bow | 33 | GD18974 | 1 | Roll Tube End Plug |
| 9 | GD18982 | - | Bow Bracket | 34 | G11389 | 1 | Washer, 1/2" SAE |
| 10 | GA13443 | 2 | Ridge Strap | 35 | GA13349 | 2 | End Cap |
| 11 | G10985 | - | Hex Washer Head Cap Screw, 3/8"-16 x 1" | 36 | GD18970 | 1 | Handle End Plug |
| | GD19169 | 4 | Anchor Bushing | 37 | GA13345 | 1 | Universal Joint Clip |
| | G11387 | 5 | Washer, 3/8" SAE | 38 | GD18985 | 1 | Rear Latch Plate, 61" (850 Wagon) |
| | G10108 | 6 | Lock Nut, 3/8"-16 | | GD18988 | 1 | Rear Latch Plate, 81" (1050 Wagon) |
| 12 | GD19067 | 1 | Eyebolt, 5/16" x 1 3/4" | 39 | GD18984 | 1 | Middle Latch Plate, 96" |
| | G10106 | 1 | Hex Nut 5/16" x 18 | 40 | GD18983 | 1 | Front Latch Plate, 63 1/2" (850 Wagon) |
| | G10109 | 1 | Lock Nut, 5/16" x 18 | | GD18989 | 1 | Front Latch Plate, 91 1/2" (1050 Wagon) |
| 13 | GD18990 | 5 | Half Round Tarp Clamp | 41 | G11273 | 1 | Phillips Pan Head Screw, No. 8 x 3/8" |
| 14 | GD19068 | 5 | Phillips Head Self-Drilling Screw, 1/4" x 3/4" | 42 | G10301 | 2 | Carriage Bolt, 3/8"-16 x 1 1/2" |
| 15 | GA13346 | 1 | Roll Tube (850 Wagon) | | G11406 | 8 | Locking Plastic Plug, 3/8" |
| | GA13352 | 1 | Roll Tube (1050 Wagon) | A | G1K477 | - | Tarp Repair Kit, Includes: (2) 10" x 6' Pieces of Tarp Material, (1) Pint Thinner, (1) Quart Glue, (1) Instructions |
| 16 | GA13353 | 2 | Tarp Rivet | B | GR1915 | - | Crank Arm Assembly (Items 25-27 And 36) |
| 17 | GD18991 | 1 | PVC Roll Return Pipe, 60" | | | | |
| 18 | GD18986 | 1 | Stretch Cord | | | | |
| 19 | GD19171 | 1 | Cord Protector | | | | |
| 20 | GD18981 | 1 | Retainer, Crank Plate | | | | |
| 21 | GD18980 | 1 | Retainer, Crank Hook | | | | |
| 22 | GA13347 | 1 | Retainer, Crank Stand | | | | |
| 23 | G11271 | 1 | Flange Bolt, 1/2"-13 x 1 1/4" | | | | |
| | GD18987 | 1 | Crank Retainer Bushing | | | | |

(WGN39a/WGN39c/WGN192/WGN191)



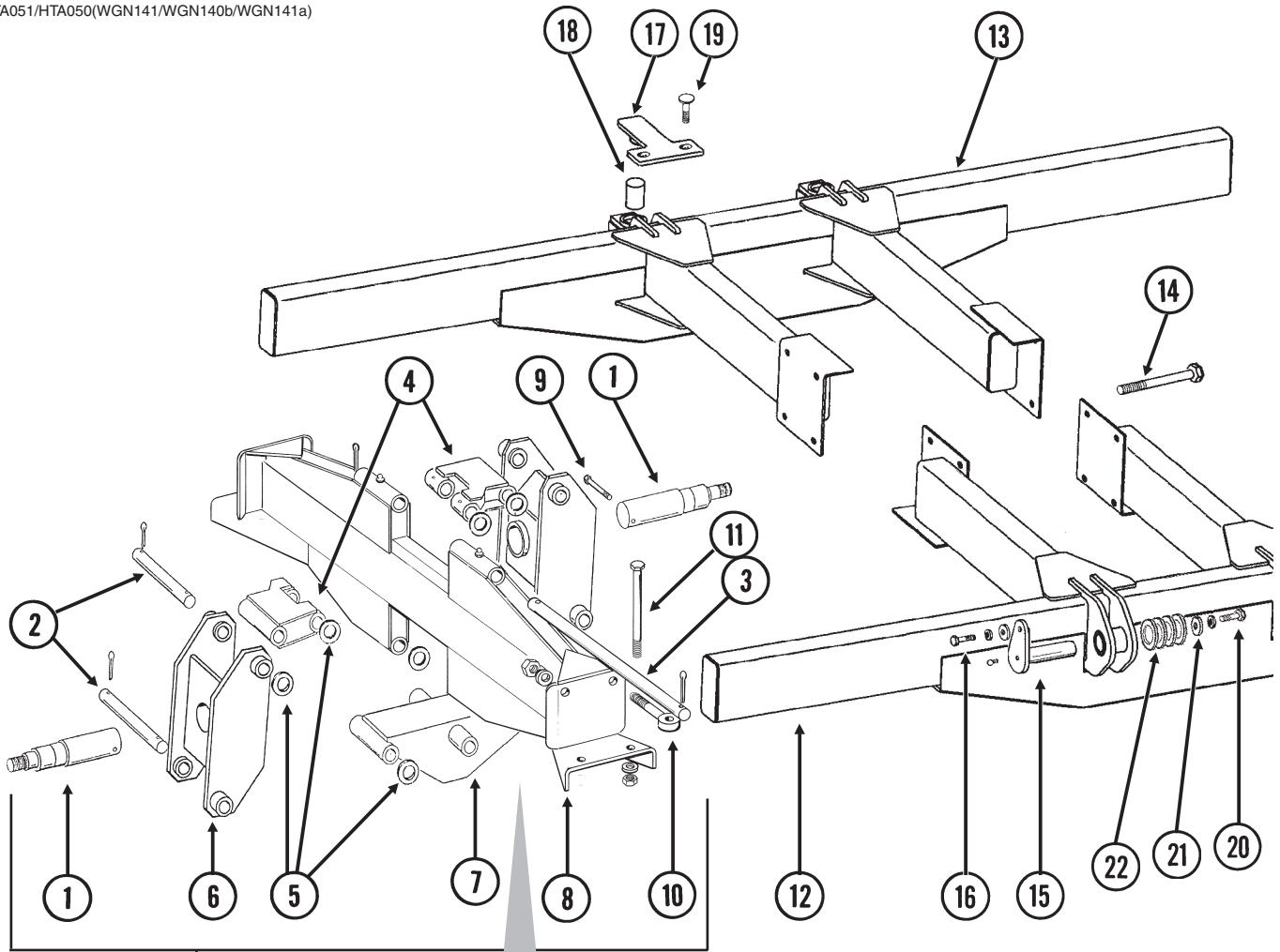
| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------------------------|---------------------|---|
| 1 | GA4687 GD6996 | 2 - | Weigh Spindle W/Spacer, 3¾" Spacer |
| 2 | GA10007 GD6996 | 2 - | Spindle W/Spacer, 3¾" Spacer |
| 3 | G10540 G10118 G10117 | 2 2 2 | Hex Head Cap Screw, 1"-8 x 12" Lock Washer, 1" Hex Nut, 1"-8 |
| 4 | G10011 G10107 | 2 2 | Hex Head Cap Screw, 5/8"-11 x 5½" Lock Nut, 5/8"-11 |
| 5 | GA9788 | 2 | Stub Axle |
| 6 | G10016 G11389 G10111 | 4 8 4 | Hex Head Cap Screw, ½"-13 x 2" Washer, ½" SAE Lock Nut, ½"-13 |
| 7 | GD14028 | 2 | Shim, 5" x 8" |

(WGN191/WGN39a/WGN39c/WGN192/WGN193)

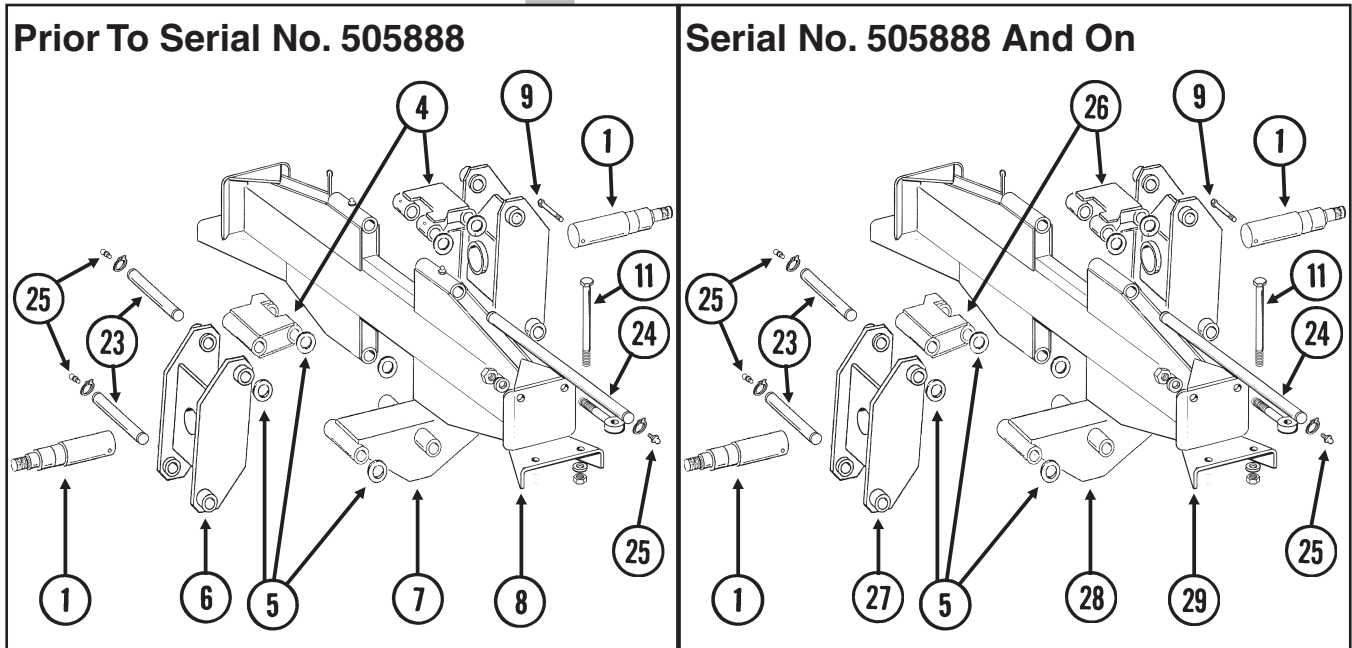


| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------|---------------------|---|
| 1 | G10016 | 4 | Hex Head Cap Screw, 1/2"-13 x 2" |
| | G11389 | 8 | Washer, 1/2" SAE |
| | G10111 | 4 | Lock Nut, 1/2"-13 |
| 2 | GD14028 | 2 | Shim, 5" x 8" |
| 3 | G11071 | 8 | Hex Head Cap Screw, 3/4"-10 x 2 1/4" |
| | G11392 | 8 | Washer, 3/4" SAE |
| | G10112 | 8 | Lock Nut, 3/4"-10 |
| 4 | GA9754 | 2 | Axle Undercarriage |
| 5 | GA4687 | 2 | Weigh Spindle W/Spacer, 3 3/4", Wheel And Sof-Tred Wagons |
| | GD6996 | - | Spacer |
| 6 | GA10007 | 2 | Spindle W/Spacer, 3 3/4", Wheel And Sof-Tred Wagons |
| | GD6996 | - | Spacer |
| 7 | GD19789 | 2 | Hex Head Cap Screw, 1"-8 x 12 1/4" |
| | G10118 | 2 | Lock Washer, 1" |
| | G10117 | 2 | Hex Nut, 1"-8 |
| 8 | G10011 | 2 | Hex Head Cap Screw, 5/8"-11 x 5 1/2" |
| | G10107 | 2 | Lock Nut, 5/8"-11 |
| 9 | GA9788 | 2 | Stub Axle, Wheel Wagon |
| 10 | GA9787 | 2 | Stub Axle, Sof-Tred Wagon |

HTA051/HTA050(WGN141/WGN140b/WGN141a)



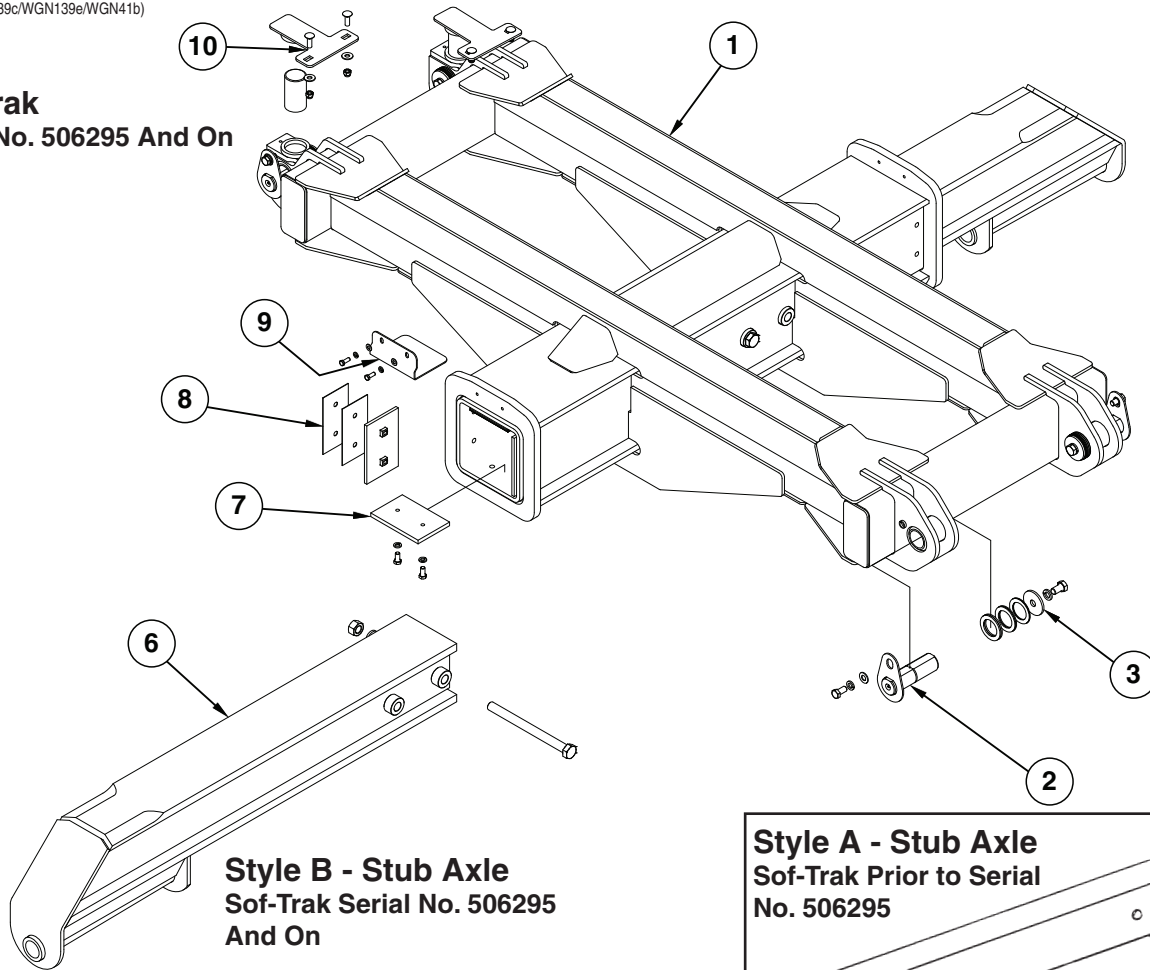
Prior To Serial No. 505442



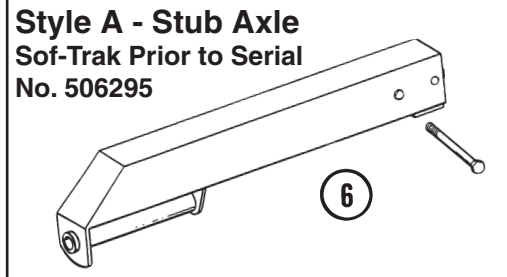
| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------|---------------------|--|
| 1 | GD22535 | 4 | Spindle, 4½" |
| 2 | GD8119 | 8 | Pin, 2½" x 16¼" |
| | G10461 | 16 | Cotter Pin, ⅜" x 3" |
| 3 | GD8140 | 4 | Pin, 2½" x 36½" |
| | G10461 | 8 | Cotter Pin, ⅜" x 3" |
| 4 | GA5797 | 4 | Top Link Arm W/Adapter And Grease Fittings |
| | G10914 | - | Adapter, ⅛" Male NPT To Female |
| | G10343 | - | Grease Fitting, 90°, ⅛"-27 |
| | G10641 | - | Grease Fitting, ⅛" NPT |
| 5 | G10234 | - | Machine Bushing, 2½", 10 Gauge (As Required) |
| | G10336 | - | Machine Bushing, 2½", 14 Gauge (As Required) |
| 6 | GA5790 | 4 | Link Plate W/Grease Fittings |
| | G10641 | - | Grease Fitting, ⅛" NPT |
| 7 | GA5789 | 2 | Bottom Link Arm W/Grease Fittings |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 8 | GA9226 | 2 | Axle W/Grease Fittings |
| | G10641 | - | Grease Fitting, ⅛" NPT |
| 9 | G10400 | 4 | Hex Head Cap Screw, ¾"-10 x 6½" |
| | G10112 | 4 | Lock Nut, ¾"-10 |
| 10 | GD13626 | 8 | Eyebolt, 1¼"-7 x 6⅝" |
| | G10236 | 8 | Lock Washer, 1¼" |
| | G10239 | 8 | Hex Nut, 1¼"-7 |
| 11 | G11041 | 8 | Hex Head Cap Screw, ⅞"-9 x 12" |
| | G11393 | 8 | Washer, ⅞" SAE |
| | G10330 | 8 | Lock Washer, ⅞" |
| | G10955 | 8 | Hex Nut, ⅞"-9 |
| 12 | GA9223 | 1 | Undercarriage, Front |
| 13 | GA9224 | 1 | Undercarriage, Rear |
| 14 | G10011 | 8 | Hex Head Cap Screw, ⅝"-11 x 5½" |
| | G11391 | 16 | Washer, ⅝" SAE |
| | G10107 | 8 | Lock Nut, ⅝"-11 |
| 15 | GA9221 | 4 | Axle Pin W/Grease Fitting |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 16 | G10055 | 4 | Hex Head Cap Screw, ⅝"-11 x 1¼" |
| | G10230 | 4 | Lock Washer, ⅝" |
| | G11391 | 4 | Washer, ⅝" SAE |
| | GD1109 | 4 | Bushing, 4¼" I.D. x ⅞" O.D. x ¼" Long |
| 17 | GA9225 | 2 | Load Cell Top Mount |
| 18 | GD13808 | 2 | Load Cell Blank |
| 19 | G10636 | 4 | Carriage Bolt, ½"-13 x 1½" |
| | G11389 | 4 | Washer, ½" SAE |
| | G10111 | 4 | Lock Nut, ½"-13 |
| 20 | G10156 | 4 | Hex Head Cap Screw, ¾"-10 x 1¼" |
| | G10231 | 4 | Lock Washer, ¾" |
| 21 | GD9592 | 4 | Special Washer |
| 22 | G10404 | 8 | Machine Bushing, 3⅛" x 2⅛" x ⅜" |
| | G10234 | 8 | Machine Bushing, 2⅛", 10 Gauge |
| | G10336 | 8 | Machine Bushing, 3⅛" x 2⅛", 14 Gauge |
| 23 | GD14436 | 8 | Pin, 2½" x 15⅝" |
| | G11093 | 16 | External Retaining Ring, 2⅛" |
| 24 | GD14437 | 4 | Pin, 2⅛" x 35⅞" |
| | G11093 | 8 | External Retaining Ring, 2⅛" |
| 25 | G10641 | 8 | Grease Fitting, ⅛" NPT |
| 26 | GA10843 | 4 | Top Link Arm |
| 27 | GA10842 | 4 | Link Plate |
| 28 | GA10844 | 4 | Bottom Link Arm |
| 29 | GA10841 | 2 | Axle |

(IP1102/WGN139c/WGN139e/WGN41b)

Sof-Trak
Serial No. 506295 And On



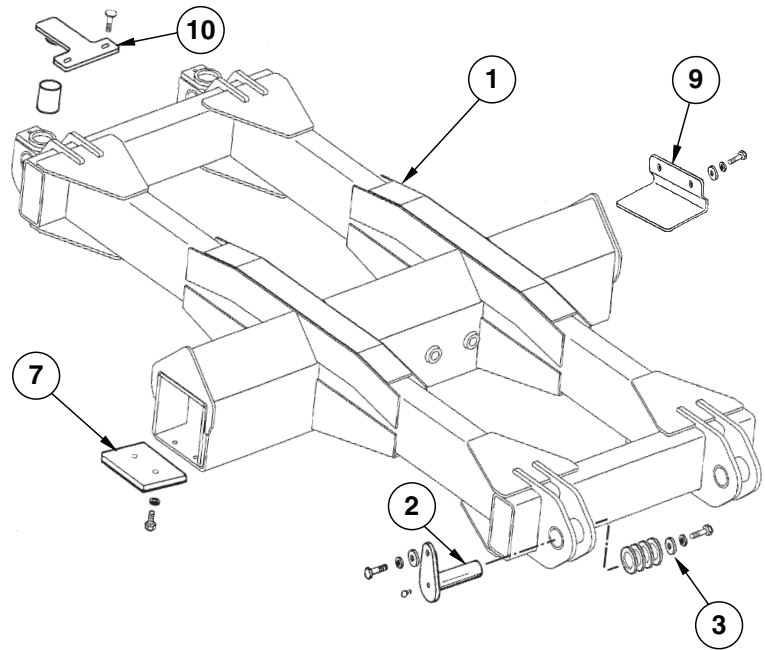
Style B - Stub Axle
Sof-Trak Serial No. 506295
And On



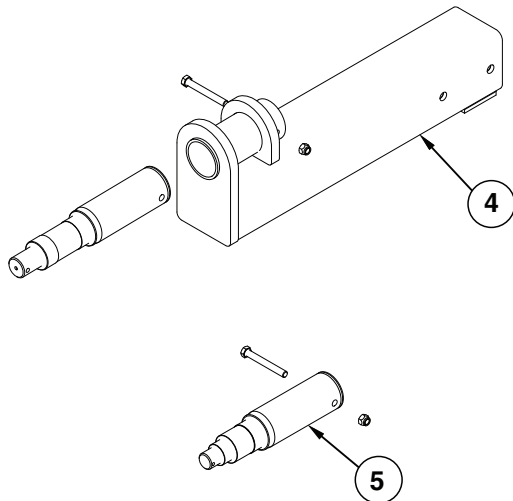
Style A - Stub Axle
Sof-Trak Prior to Serial
No. 506295

| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|--------|----------|---------------------|--|
| 1 | GA13795 | 1 | Axle Undercarriage, Sof-Trak (Serial No. 506295 And On) |
| | GA9352 | 1 | Axle Undercarriage, Sof-Tred (And Sof-Trak Prior to Serial No. 506295) |
| 2 | GA9221 | 4 | Axle Pin W/Grease Fitting |
| | G10640 | - | Grease Fitting, 1/4"-28 |
| | G10055 | 4 | Hex Head Cap Screw, 5/8"-11 x 1 1/4" |
| | GD1109 | 4 | Bushing, 4 1/64" I.D. x 7/8" O.D. x 1/4" Long |
| | G10230 | 4 | Lock Washer, 5/8" |
| | G11391 | 4 | Flat Washer, 5/8" SAE |
| | 3 | GD9592 | 4 |
| G10156 | | 4 | Hex Head Cap Screw, 3/4"-10 x 1 1/4" |
| G10231 | | 4 | Lock Washer, 3/4" |
| G10404 | | 8 | Machine Bushing, 3 1/8" x 2 1/8" x 3/16" |
| G10336 | | 8 | Machine Bushing, 3 1/8" x 2 1/8", 14 Gauge |
| 4 | G10234 | 8 | Machine Bushing, 2 1/8", 10 Gauge |
| | GA9370 | 1 | Stub Axle, Sof-Tred Wagon |
| 5 | GD22536 | 1 | Spindle, 4 1/2" (Serial No. 506295 And On), 20 Bolt Hub, Sof-Tred |
| | G10440 | 2 | Hex Head Cap Screw, 3/4"-10 x 6" |
| | G10112 | 2 | Lock Nut, 3/4"-10 |
| | GD13740 | 1 | Spindle, 4 1/2" (Prior To Serial No. 506295), Sof-Tred |

Sof-Tred
(Sof-Trak Prior to Serial No.506295)

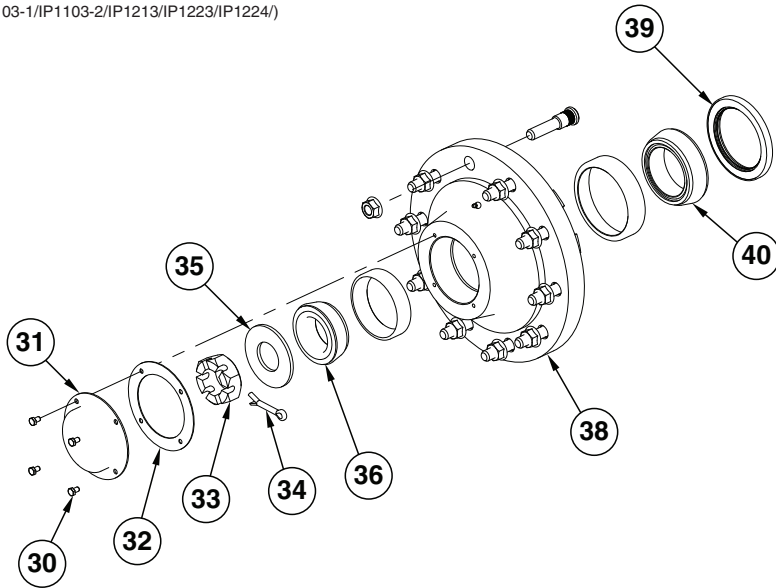


Sof-Tred - Stub Axle

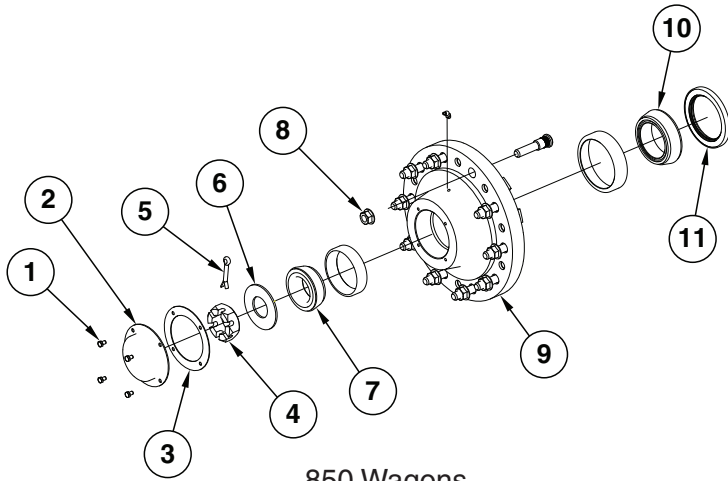


| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------|---------------------|---|
| 6 | GA13901 | 2 | Stub Axle, Sof-Trak Wagon, Style B (Serial No. 506295 And On) |
| | GA10846 | 2 | Stub Axle, Sof-Trak Wagon, Style A (Prior to Serial No. 506295) |
| | G10540 | 2 | Hex Head Cap Screw, 1"-8 x 12", Style A |
| | GD19789 | 2 | Hex Head Cap Screw, 1"-8 x 12¼", Style B |
| | G10118 | 2 | Lock Washer, 1" |
| | G10117 | 2 | Hex Nut, 1"-8 |
| 7 | GD7538 | 2 | Stop, 5" x 8" |
| | G10039 | 4 | Hex Head Cap Screw, ½"-13 x 1¾" |
| | G10228 | 4 | Lock Washer, ½" |
| 8 | GD19729 | 8 | Axle Shim |
| | GA14587 | 4 | Axle Bar |
| 9 | GD14591 | 2 | Shim (Sof-Trak Only) |
| | G10001 | 4 | Hex Head Cap Screw, ⅜"-16 x 1" |
| | G10229 | 4 | Lock Washer, ⅜" |
| | G11387 | 4 | Flat Washer, ⅜" SAE |
| 10 | GA9225 | 2 | Load Cell Top Mount |
| | GD13808 | 2 | Load Cell Blank |
| | G10636 | 4 | Carriage Bolt, ½"-13 x 1½" |
| | G11389 | 4 | Washer, ½" SAE |
| | G10111 | 4 | Lock Nut, ½"-13 |

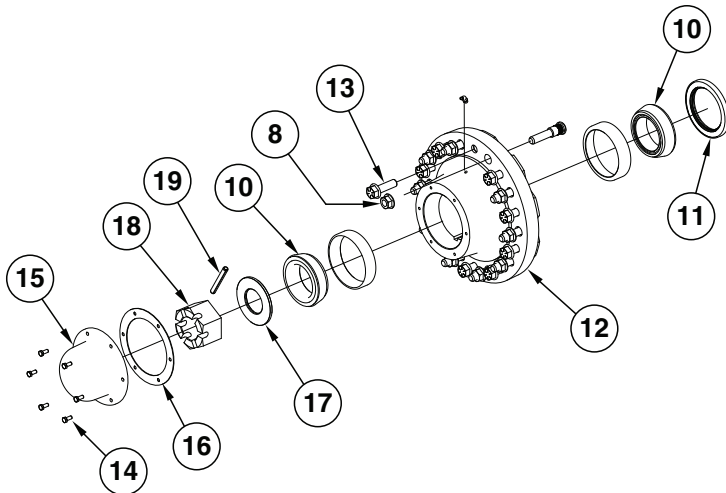
(IP1103-1/IP1103-2/IP1213/IP1223/IP1224)



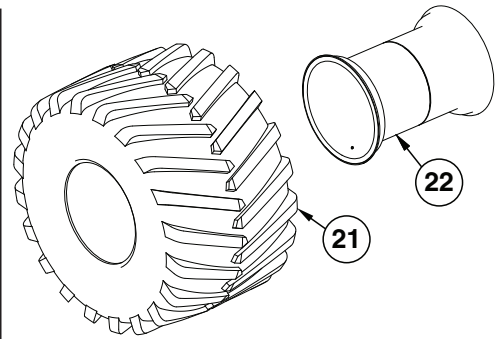
650/850 Wheel, 850 Sof-Tred And 1050 Row Crop Wagons



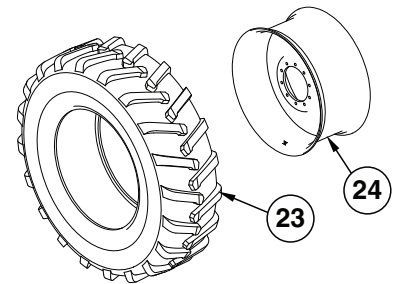
850 Wagons



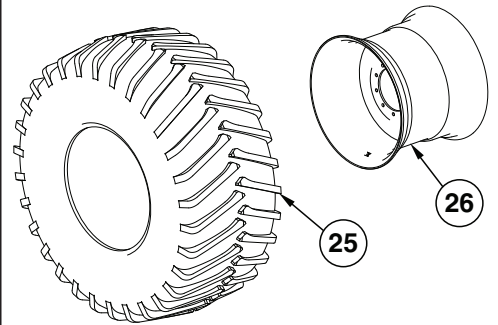
1050 Sof-Tred Wagons



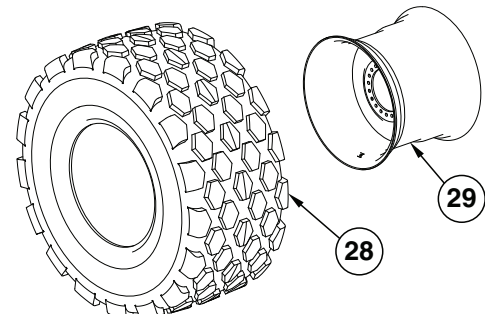
850/1050 Sof-Tred Wagons



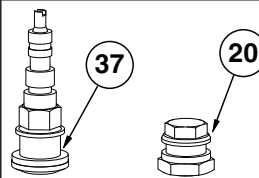
1050 Row Crop Wagons



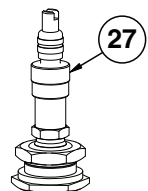
850 Wheel Wagons



650 Wheel Wagons



650/850 Wheel,
1050 Sof-Tred And
1050 Row Crop Wagons

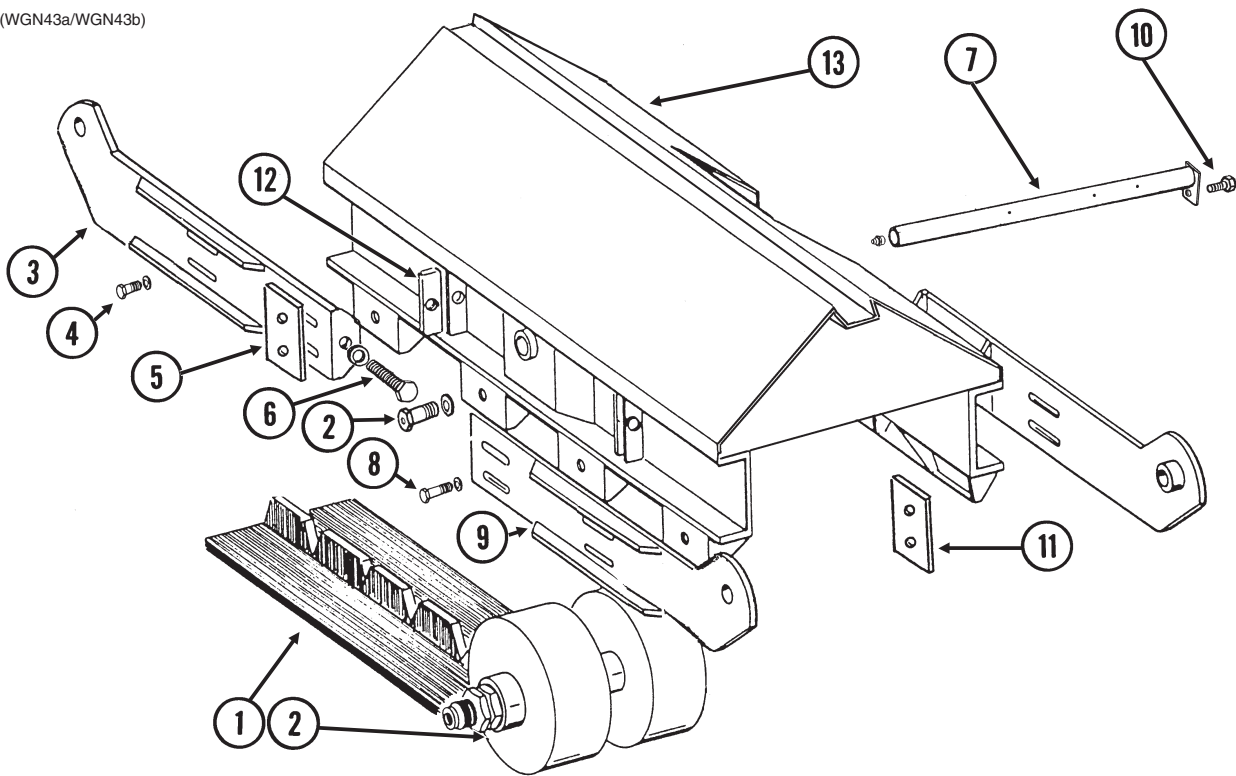


850 Sof-Tred Wagons

| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------|---------------------|---|
| 1 | G10054 | 4 | Hex Head Cap Screw, 5/16"-18 x 1/2" |
| 2 | GD1360 | 1 | Dust Cap |
| 3 | GD1359 | 1 | Seal |
| 4 | G10726 | 1 | Slotted Hex Nut, 2"-12 |
| 5 | G10471 | 1 | Cotter Pin, 3/8" x 2 1/2" |
| 6 | G11398 | 1 | Washer, 2" SAE |
| 7 | GA0530 | 1 | Outer Bearing |
| 8 | G10625 | 20 | Flange Nut, 3/4"-16 |
| 9 | GA13738 | 2 | Hub W/Cups, Grease Fittings And Stub Bolts (20 Bolt High Strength), 850 Wagon (Serial Number 507304 and on) |
| | GR1681 | 10 | Stud Bolt, 3/4"-16 x 3 7/8" |
| | GR0192 | 1 | Outer Cup |
| | GR0191 | 1 | Inner Cup |
| | G10373 | 1 | Grease Fitting, 45°, 1/8"-27 |
| 10 | GA0531 | 3 | Inner Bearing |
| 11 | GA0532 | 2 | Seal |
| 12 | GA11509 | 2 | Hub W/Cups, Grease Fitting And Stud Bolts (20 Bolt High Strength), 1050 Sof- Tred Wagon (Serial No. 506295 And On) |
| | GR1681 | 10 | Stud Bolt, 3/4"-16 x 3 7/8" |
| | GR0191 | 2 | Inner Cup |
| | G10373 | 1 | Grease Fitting, 45°, 1/8"-27 |
| 13 | GD16712 | 10 | Bolt, 3/4"-16 x 2 1/2" |
| 14 | G10043 | 6 | Hex Head Cap Screw, 5/16"-18 x 3/4" |
| 15 | GB0382 | 1 | Dust Cap |
| 16 | GD16565 | 1 | Seal |
| 17 | GD16710 | 1 | Washer, 2 1/2" |
| 18 | GD16709 | 1 | Slotted Hex Nut, 2 1/2"-20 |
| 19 | G11196 | 1 | Spring Pin, 1/2" x 4 |
| 20 | GA5447 | 1 | Brass Plug |
| 21 | D14265 | 2 | Tire, 1050/50R25 172B LI R-1 (66" x 43" x 25"), 850 (Non-Stock Item) |
| | D15453 | - | Tire, 66/43.00 - 25 16 Ply R-1, 850 (Non-Stock Item) |
| | D13505 | - | Tire, 1250/45-32 16 Ply R-1 Bias (76" x 50" x 32"), 1050 (Non-Stock Item) |
| 22 | GA13736 | 2 | Rim W/Side Ring, O-Ring And Lock Ring, 36" x 25", 850 |
| | GA14159 | 1 | Rim W/Side Ring, O-Ring, and Lock Ring, DH44 x 32", 1050 |
| | GD14533 | - | Side Ring |
| | GD14455 | - | O-Ring |
| | GD14454 | - | Lock Ring |
| 23 | D13589 | 4 | Tire, 520/85R38 R-1 (20.8" x 38") (Non-Stock Item) |
| | GD20857 | - | Tire, 480/80R42 R-1 (18.4" x 42") (Non-Stock Item) |
| 24 | GA9320 | 4 | Rim, WH18A x 38" |
| | GA9944 | - | Rim, WH16A x 42" |
| 25 | D11013 | 2 | Tire, 30.5" x 32" 16 Ply R-3 (Non-Stock Item) |
| | D11012 | - | Tire, 30.5" x 32" 16 Ply R-1 (Non-Stock Item) |
| 26 | GA13737 | 2 | Rim, 27" x 32", 850 (Shown) |
| 27 | GA9975 | 1 | Valve Stem |
| 28 | D11013 | 2 | Tire, 30.5" x 32" 16 Ply R-3 (Shown) (Non-Stock Item) |
| | D11012 | - | Tire, 30.5" x 32" 16 Ply R-1 (Non-Stock Item) |
| | D1405 | - | Tire, 24.5" x 32" 16 Ply R-3 (Non-Stock Item) |
| 29 | GA0446 | - | Rim, 21" x 32" |
| | GA13737 | - | Rim, 27" x 32", 850 (Shown) |
| 30 | G10054 | 8-16 | Hex Head Cap Screw, 5/16"-18 x 1/2" |
| 31 | GD1360 | 2-4 | Dust Cap |

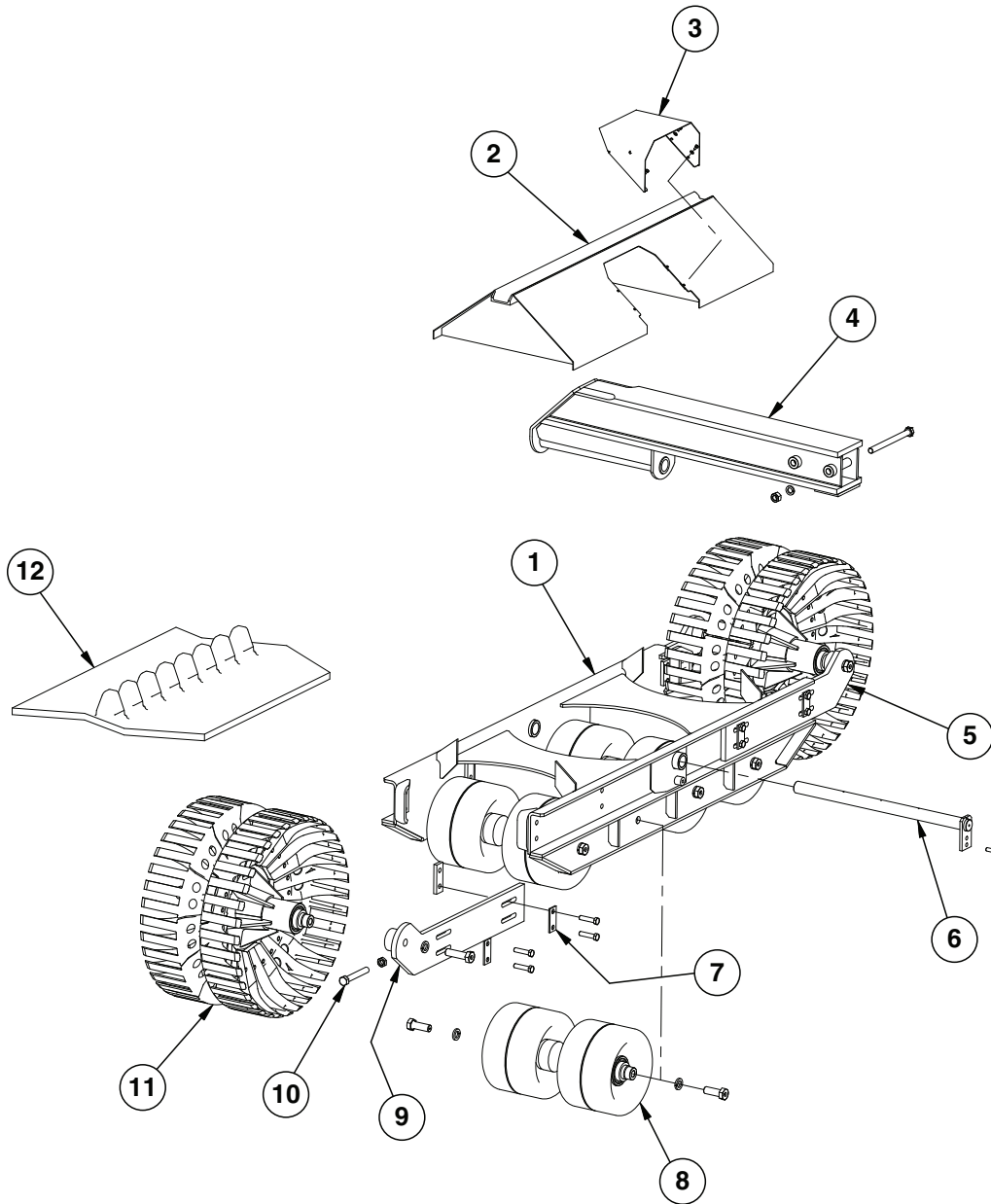
| ITEM | PART NO. | QTY. (Per Wagon) | DESCRIPTION |
|------|----------|---------------------|---|
| 32 | GD1359 | 2-4 | Seal |
| 33 | G10726 | 2-4 | Slotted Hex Nut, 2"-12 |
| 34 | G10471 | 2-4 | Cotter Pin, 3/8" x 2 1/2" |
| 35 | G11398 | 2-4 | Washer, 2" SAE |
| 36 | GA0530 | 2-4 | Outer Bearing, 650/850/1050 Row Crop/1050 Sof-Tred (Prior To Serial No. 506295) |
| 37 | GA6128 | 1 | Valve Stem |
| 38 | GA9306 | 2 | Hub W/Cups, Grease Fitting And Stud Bolts (10 Bolt High Strength), 850 Wagons (Prior to Serial No. 507304); 1050 Sof-Tred Wagons (Prior To Serial No. 506295) |
| | GR0192 | - | Outer Cup |
| | GR0191 | - | Inner Cup |
| | G10373 | - | Grease Fitting, 45°, 1/8"-27 |
| | GR1681 | - | Stud Bolt, 3/4"-16 x 3 7/8" |
| | GA11388 | 2 | Hub W/Cups, Grease Fitting, Stud Bolts (10 Bolt High Strength) and Flange Nuts 650 Wheel/1050 Row Crop Wagons |
| | GR0192 | - | Outer Cup |
| | GR0191 | - | Inner Cup |
| | G10373 | - | Grease Fitting, 45°, 1/8"-27 |
| | GR0257 | - | Stud Bolt, 3/4"-16 x 2 1/2" |
| | G10625 | - | Flange Nuts, 3/4"-16 |
| 39 | GA0532 | 2-4 | Seal |
| 40 | GA0531 | 2-4 | Inner Bearing, 650/850/1050; Outer Bearing, 1050 Sof-Tred (Serial No. 506295 And On) |

HTA033(WGN43a/WGN43b)



| ITEM | PART NO. | QTY. (Per Assy.) | DESCRIPTION |
|------|------------------|---------------------|--|
| 1 | GD7096 GD9900 | 1 - | Rubber Track, 24" Rubber Track, 36" |
| 2 | --- | - | See "Midwheel, 1050 Sof-Trak" on page P100 |
| 3 | GA9653 | 2 | Sidebar, L.H. |
| 4 | G10537 | 8 | Hex Head Cap Screw, 3/4"-16 x 2 1/2" |
| 5 | GD8279 | 8 | Plate, 2" x 4 1/2" |
| 6 | G10539 G10082 | 4 4 | Hex Head Adjusting Bolt, 1"-14 x 7" Washer, 1" SAE |
| 7 | GA5514 G10641 | 1 - | Pin W/Grease Fitting Grease Fitting, 1/8" NPT |
| 8 | G10538 | 8 | Hex Head Cap Screw, 3/4"-16 x 4 1/2" |
| 9 | GA9652 | 2 | Sidebar, R.H. |
| 10 | G10005 | 1 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| 11 | GD10136 | 8 | Threaded Plate |
| 12 | GD8860 | 4 | Tap Block |
| 13 | A9606 | - | Track And Carriage (Non-Stock Item) |

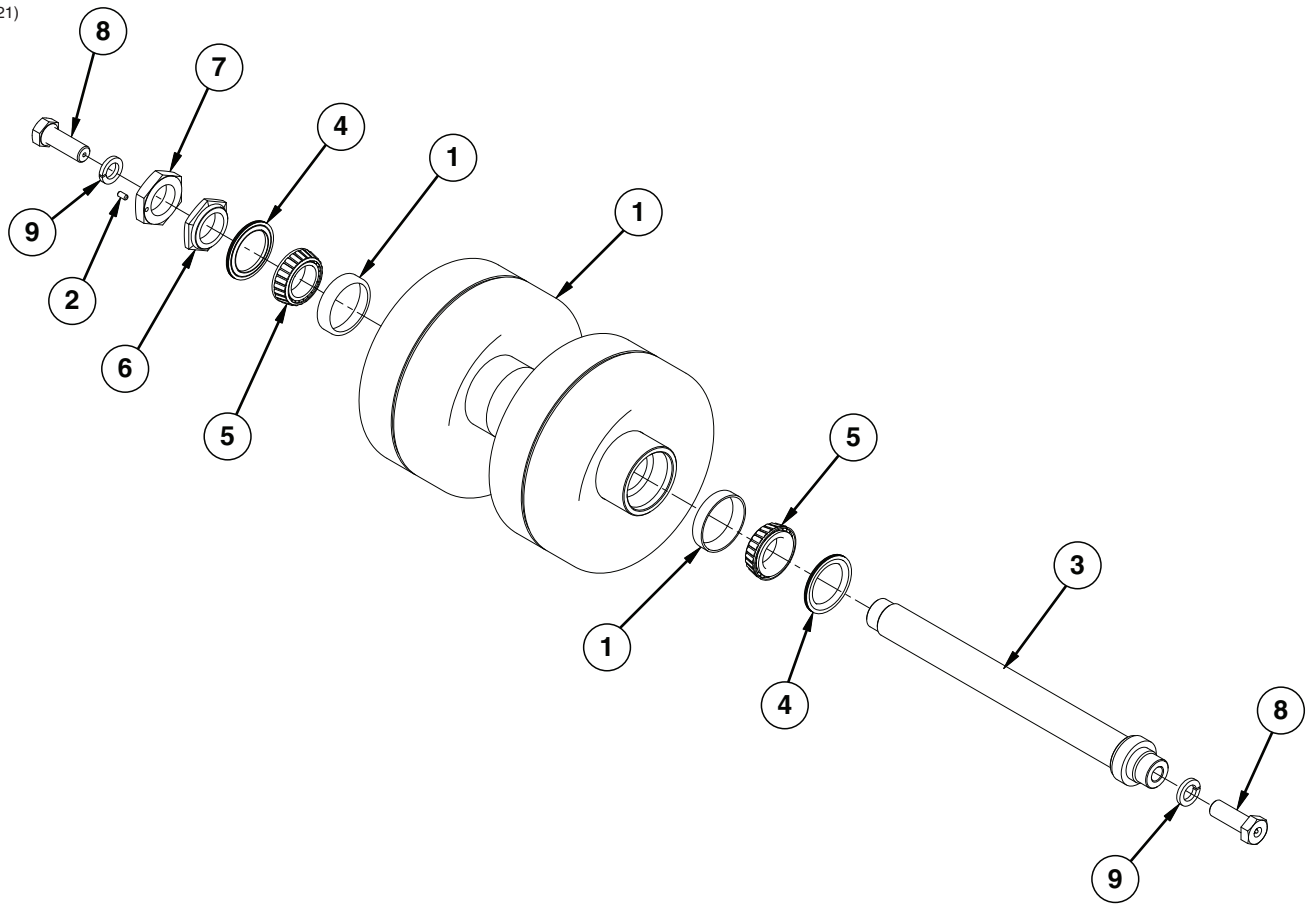
(IP1288)



| ITEM | PART NO. | QTY. (Per Assy.) | DESCRIPTION |
|------|----------|---------------------|--|
| 1 | GA14289 | 1 | Carriage Frame |
| 2 | GA14303 | 1 | Mud Shield |
| 3 | GD20388 | 1 | Mud Shield |
| | G10018 | 4 | Hex Head Cap Screw, 5/16"-18 x 5/8" |
| | G11386 | 4 | Flat Washer 5/16" SAE |
| 4 | GA14290 | 1 | Stub Axle (36" Belt) |
| | GD19789 | 1 | Hex Head Cap Screw, 1"-8 x 12 1/4" |
| | G10118 | 1 | Lock Washer, 1" |
| | G10117 | 1 | Hex Nut, 1"-8 |
| 5 | GA14292 | 2 | End Wheel Arm, R.H. |
| 6 | GA13987 | 1 | Stub Axle Pin |
| | G10005 | 1 | Hex Head Cap Screw, 5/8"-11 x 1 3/4" |
| 7 | G11039 | 16 | Hex Head Cap Screw, 3/4"-16 x 3 1/4", Grade 8 |
| | GD8279 | 8 | Plate, 2" x 4 1/2" |
| | GD20387 | 4 | Plate, 5/8" x 2" x 5 1/2" |
| 8 | GA14296 | 4 | See "Midwheel, 1050 Sof-Trak" on page P100 |
| 9 | GA14291 | 2 | End Wheel Arm, L.H. |
| 10 | G10539 | 4 | Hex Head Adjusting Bolt, 1"-14 x 7" |
| | G10324 | 4 | Hex Jam Nut, 1"-14, Grade 2 |
| | GD10136 | 8 | Threaded Plate |
| 11 | GD20443 | 24 | See "Endwheel - Cast Iron, 1050 Sof-Trak" on page P101 |
| 12 | GD9900 | 1 | Rubber Track, 36" (Specify Brand*) |

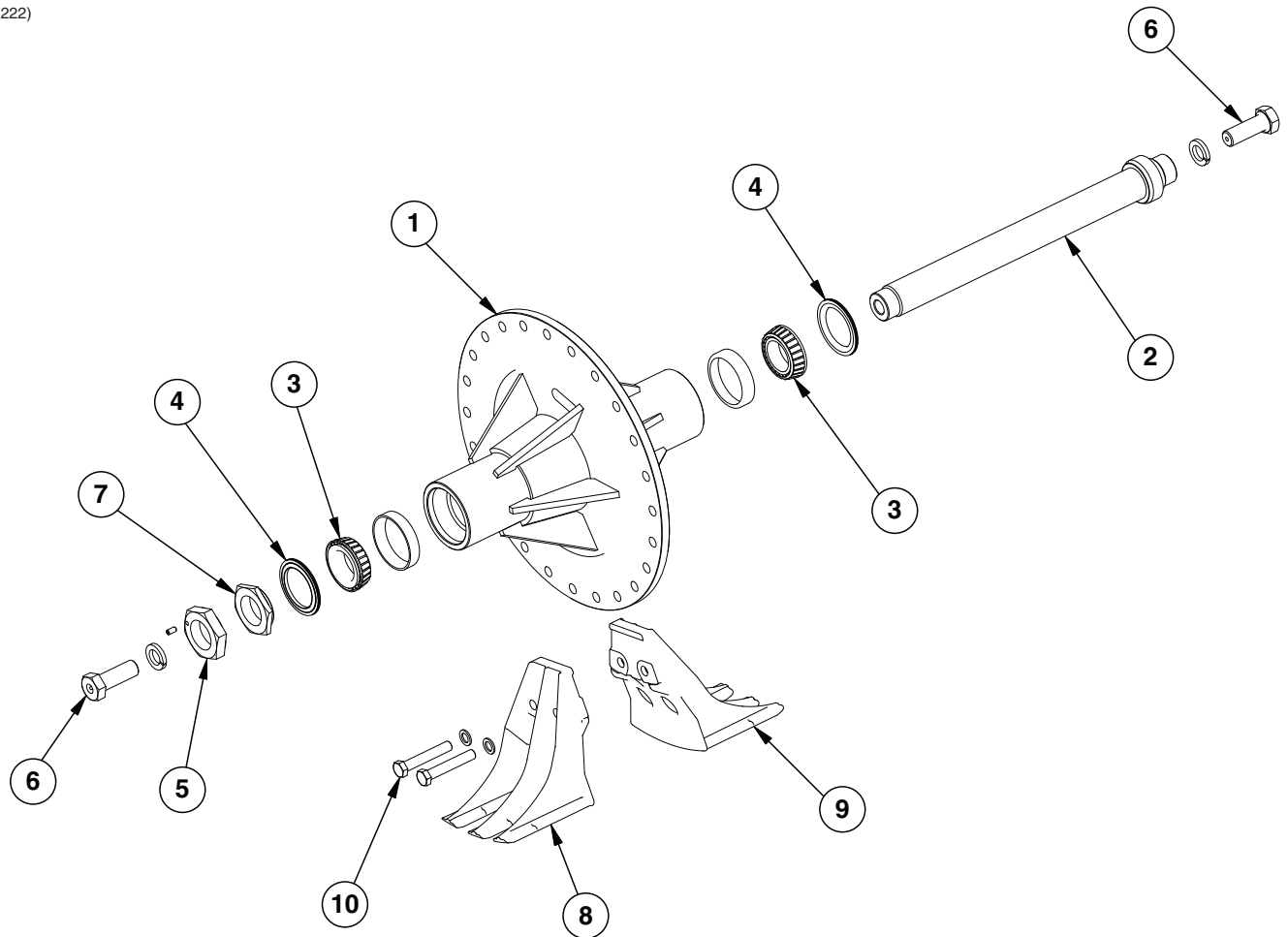
* Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied.

(IP1221)



| ITEM | PART NO. | QTY. (Per Assy.) | DESCRIPTION |
|------|-----------------------------|---------------------|--|
| 1 | GA6889 GA14295 GR0323 | 1 - 2 | Midwheel W/Cups Midwheel W/Cups Cup |
| 2 | G10535 | 1 | Hex Socket Set Screw, 3/8"-16 x 3/4" |
| 3 | GA4999 | 1 | Spindle |
| 4 | GD7452 | 2 | Seal |
| 5 | GA0779 | 2 | Bearing |
| 6 | GD7451 | 1 | Stepped Nut, 2 1/2"-12 |
| 7 | GD7460 | 1 | Jam Nut, 2 1/2"-12 |
| 8 | GA5487 G10641 | 2 - | Bolt W/Grease Fitting, 1 1/4" x 3 1/2", Grade 8 Grease Fitting, 1/8" NPT |
| 9 | G10236 | 2 | Lock Washer, 1 1/4" |
| A | GA6890 | - | Midwheel Assembly (Items 1-9) (24" Belt) (36" Belt - prior to 2010 production) |
| B | GA14296 | - | Midwheel Assembly (Items 1-9) (36" Belt - 2010 production and on) |

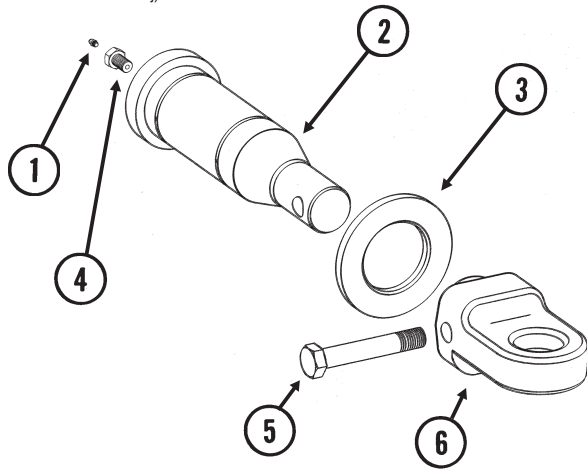
(IP1222)



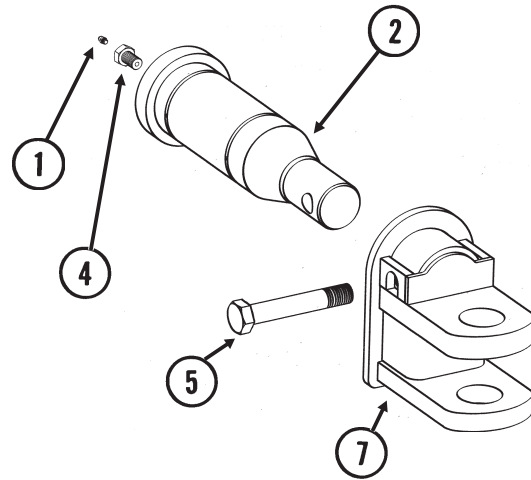
| ITEM | PART NO. | QTY. (Per Assy.) | DESCRIPTION |
|------|----------|---------------------|---|
| 1 | GA9607 | 1 | Hub W/Cups |
| | GR0323 | 2 | Cup |
| 2 | GA4999 | 1 | Spindle |
| 3 | GA0779 | 2 | Bearing |
| 4 | GD7452 | 2 | Seal |
| 5 | GD7460 | 1 | Jam Nut, 2½"-12 |
| | G10535 | 1 | Hex Socket Set Screw, ⅜"-16 x ¾" |
| 6 | GA14328 | - | Hub Bolt Assembly |
| | GD20399 | 2 | Bolt W/Grease Fitting, 1¼" x 4½", Grade 8 |
| | G10641 | 1 | Grease Fitting, ⅛" NPT |
| | G10236 | 2 | Lock Washer, 1¼" |
| 7 | GD7451 | 1 | Stepped Nut, 2½"-12 |
| 8 | GD20443 | 12 | Cast Iron Segment, Drilled |
| 9 | GD20444 | 12 | Cast Iron Segment, Tapped |
| 10 | G10029 | 24 | Hex Head Cap Screw, ¾"-10 x 4½" |
| | GD2169 | 24 | Special Washer, 25/32" I.D. x 1 ¼" O.D., Hardened |

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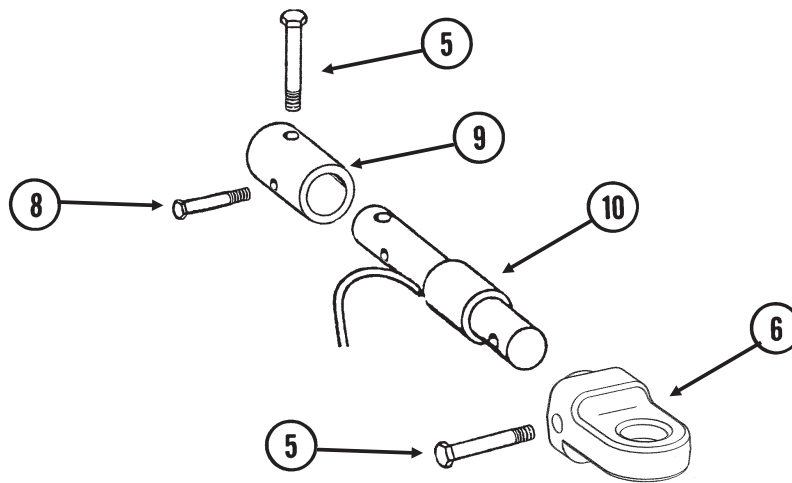
(WGN209/WGN210/WGN46)



Single Clevis Swivel Hitch



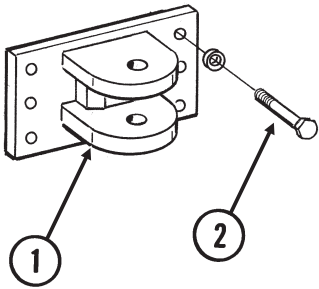
Double Clevis Swivel Hitch



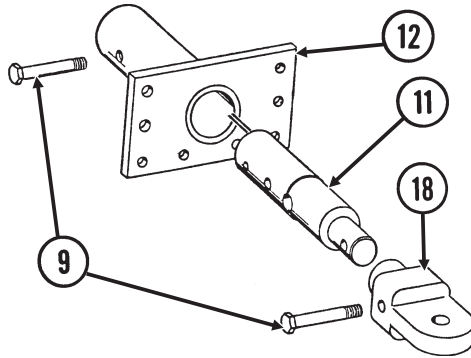
Electronic Scale Hitch

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | G10640 | 1 | Grease Fitting, 1/4"-28 |
| 2 | GA10577 | 1 | Swivel Hitch Beam |
| 3 | GD15484 | 1 | Thrust Washer |
| 4 | GD15580 | 1 | Special Bolt |
| 5 | G11187 | 1-2 | Hex Head Cap Screw, 1"-8 x 6 1/2", Grade 8 |
| | G10647 | 1-2 | Hex Nut, 1"-8, Grade 8 |
| 6 | GB0361 | 1 | Single Clevis, Swivel Hitch |
| 7 | GA10604 | 1 | Double Clevis, Swivel Hitch |
| 8 | G10440 | 1 | Hex Head Cap Screw, 3/4"-10 x 6" |
| | G10112 | 1 | Lock Nut, 3/4"-10 |
| 9 | GD14765 | 1 | Sleeve, 7" |
| 10 | GA4681 | 1 | Weigh Beam, 2 1/2" |

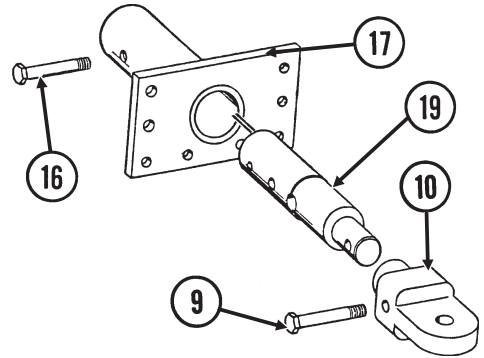
(WGN142a/WGN46e/WGN46f/WGN46k/WGN46g)



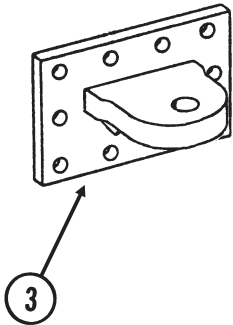
Bolt-On Double Clevis Hitch



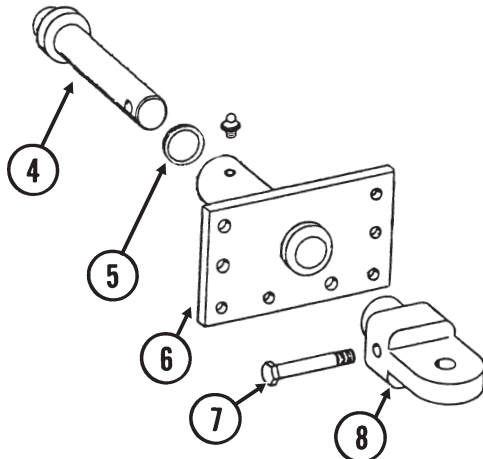
Electronic Scale Hitch (850 Models)



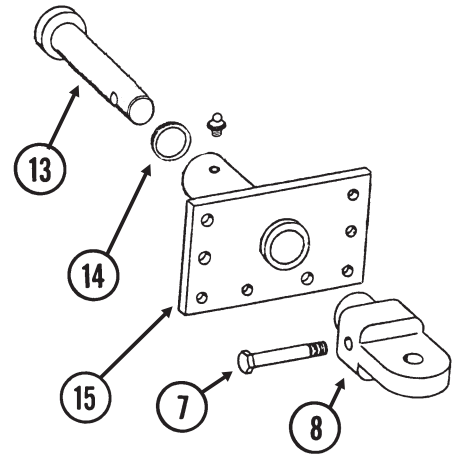
Electronic Scale Hitch (1050 Models)



Bolt-On Single Clevis Hitch



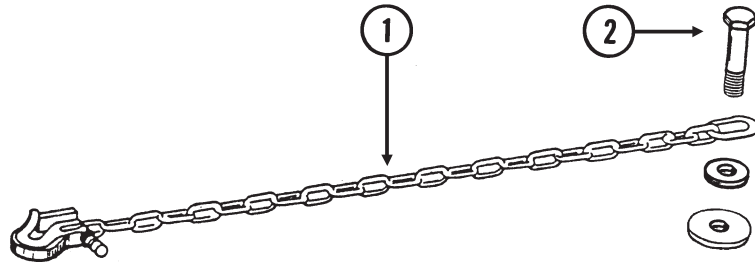
STYLE A - Single Clevis Swivel Hitch



STYLE B - Single Clevis Swivel Hitch

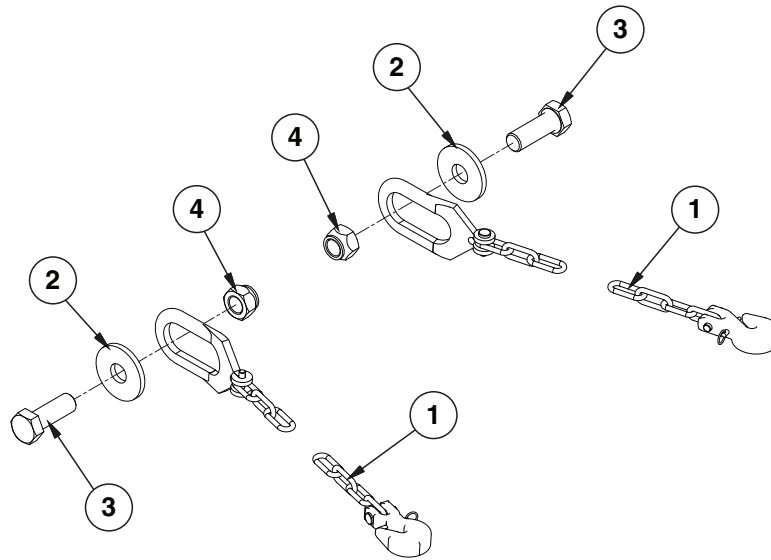
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GA4214 | - | Hitch Cap, Double Clevis |
| 2 | G10441 | 8 | Hex Head Cap Screw, 7/8"-9 x 3", Grade 8 |
| | G10330 | 8 | Lock Washer, 7/8" |
| 3 | GA7561 | - | Hitch Cap, Single Clevis |
| 4 | GA7955 | - | Pin |
| 5 | G10360 | 1 | Machine Bushing, 2½", 10 Gauge |
| 6 | GA7956 | - | Hitch Plate W/Grease Fitting |
| | G10641 | - | Grease Fitting, 1/8" NPT |
| 7 | G11186 | 1 | Hex Head Cap Screw, 1"-8 x 6½", Grade 5 |
| | G10396 | 1 | Lock Nut, 1"-8 |
| 8 | GB0236 | - | Single Clevis, Swivel Hitch (Sub GB0499) |
| | G1K271 | - | Washer Kit, Includes: (1) Hardened Washer (D9237), (1) Instruction |
| 9 | G11187 | 2 | Hex Head Cap Screw, 1"-8 x 6½", Grade 8 |
| | G10647 | 2 | Hex Nut, 1"-8, Grade 8 |
| 10 | GB0499 | 1 | Single Clevis, Swivel Hitch, 1050 Models (2011 Production and on) |
| | GB0361 | - | Single Clevis, Swivel Hitch, 1050 Models (Prior to 2011 Production) |
| | G1K271 | - | Washer Kit, Includes: (1) Hardened Washer (D9237), (1) Instruction |
| 11 | GA6025 | 1 | Weigh Beam, 3¾", 850 Models |
| 12 | GA6022 | 1 | Hitch Plate, 850 Models |
| 13 | GA14742 | 1 | Pin |
| 14 | G11096 | 1 | Machine Bushing, 3", 10 Gauge |
| 15 | GA10204 | 1 | Hitch Plate W/Grease Fitting |
| | G10640 | - | Grease Fitting, ¼"-28 |
| 16 | G10648 | 1 | Hex Head Cap Screw, 1"-8 x 6", Grade 8 |
| | G10647 | 2 | Hex Nut, 1"-8, Grade 8 |
| 17 | GA15281 | - | Hitch Plate (1050 Models 2011 Production and On) |
| | GA6022 | - | Hitch Plate (1050 Models Prior to 2011 Production) |
| 18 | GB0361 | - | Single Clevis, Swivel Hitch, 850 Models |
| 19 | GA14842 | - | Weigh Beam, 3¾", (1050 Models 2011 Production and On) |
| | GA9329 | - | Weigh Beam, 3¾", (1050 Models Prior to 2011 Production) |

(WGN47c)



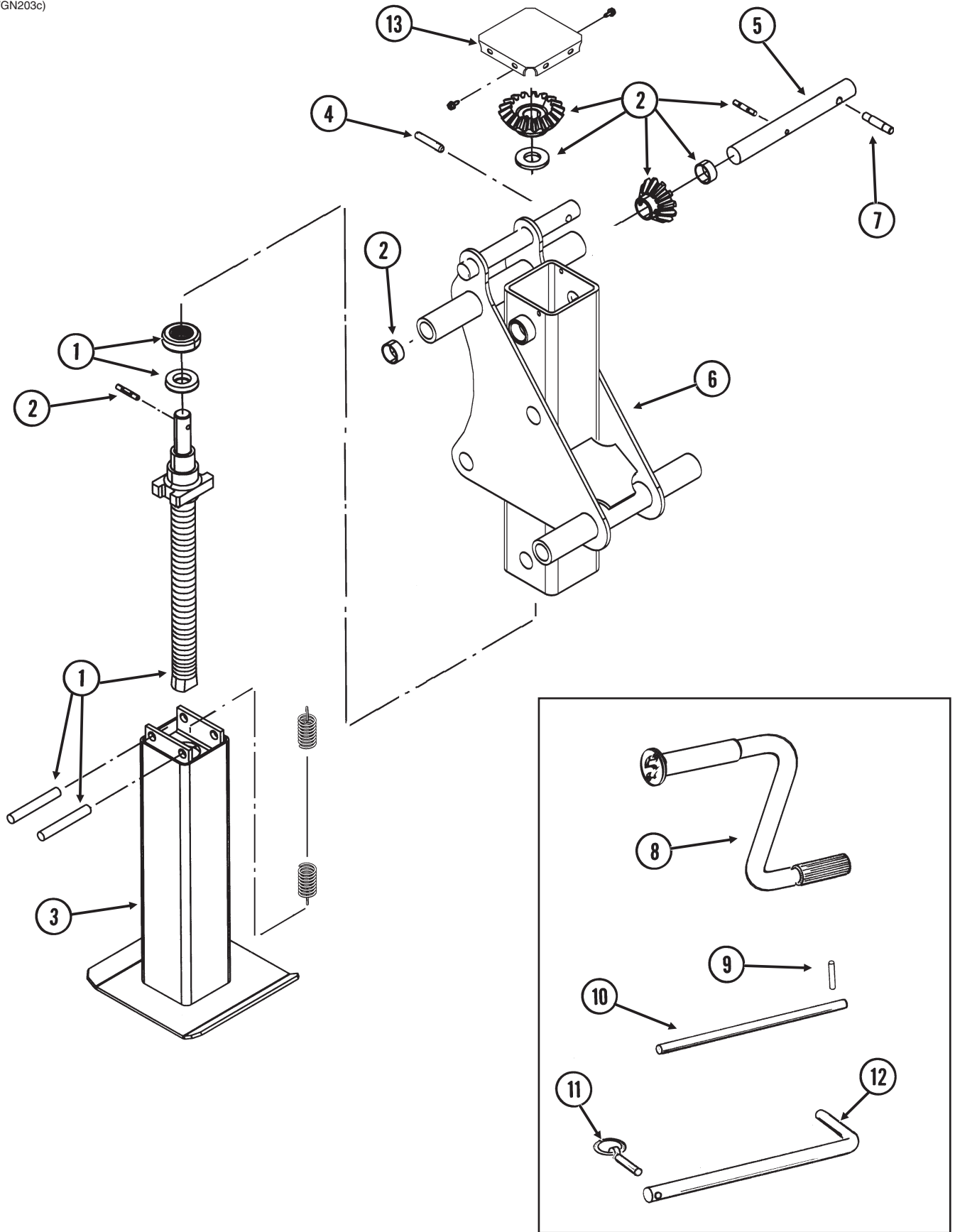
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GA9856 | 1 | Safety Chain, 5/8" |
| 2 | G10494 | 1 | Hex Head Cap Screw, 1 1/4"-7 x 3 1/2" |
| | GD21307 | 1 | Washer, 3 3/4" |
| | G10157 | 1 | Lock Nut, 1 1/4"-7 |
| A | G1K413 | 1 | Safety Chain Repair Kit, Includes: (1) Flat Washer, (1) Latch Pin, (1) Safety Latch, (1) Spring, (1) Retaining Ring |

(IP1311)



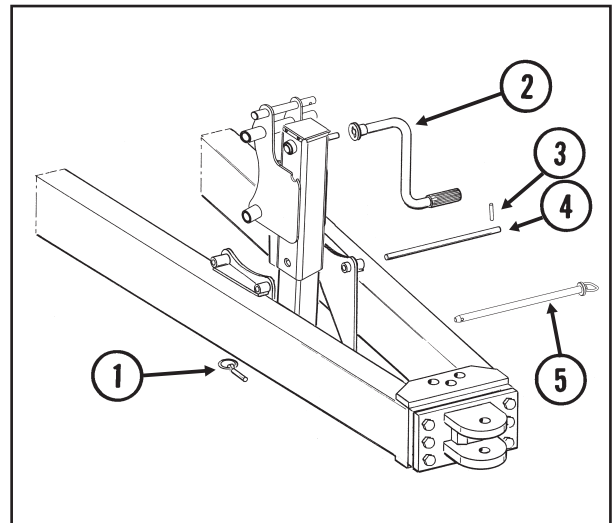
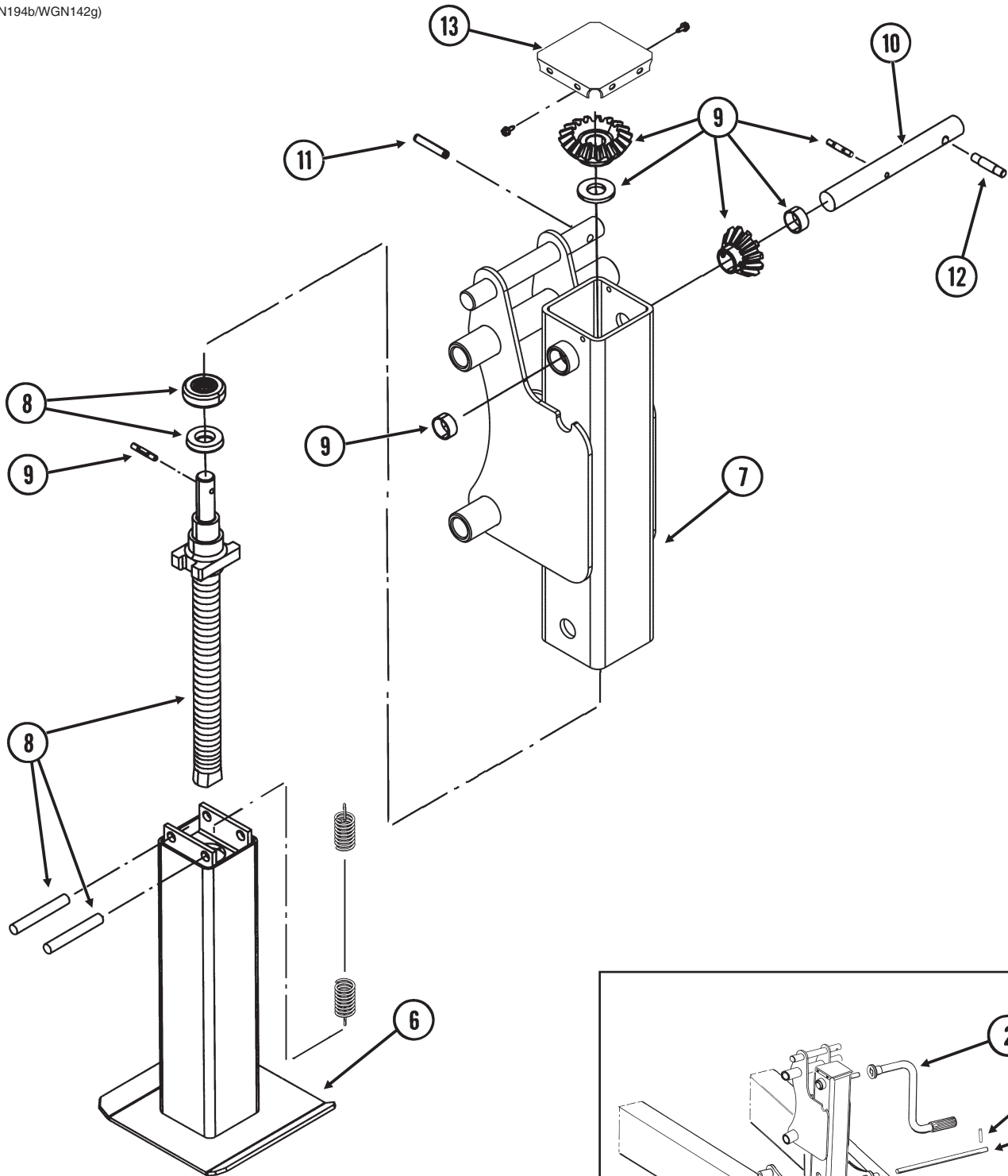
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | GA13594 | 2 | 1/2" Safety Chain W/Hook |
| 2 | GD21307 | 2 | Washer, 3 3/4" |
| 3 | G10494 | 2 | Hex Head Cap Screw, 1 1/4"-7 x 3 1/2" |
| 4 | G10157 | 2 | Lock Nut, 1 1/4"-7 |
| A | G1K412 | 1 | Safety Chain Repair Kit, Includes: (1) Flat Washer, (1) Latch Pin, (1) Safety Latch, (1) Spring, (1) Retaining Ring |

(WGN203c)



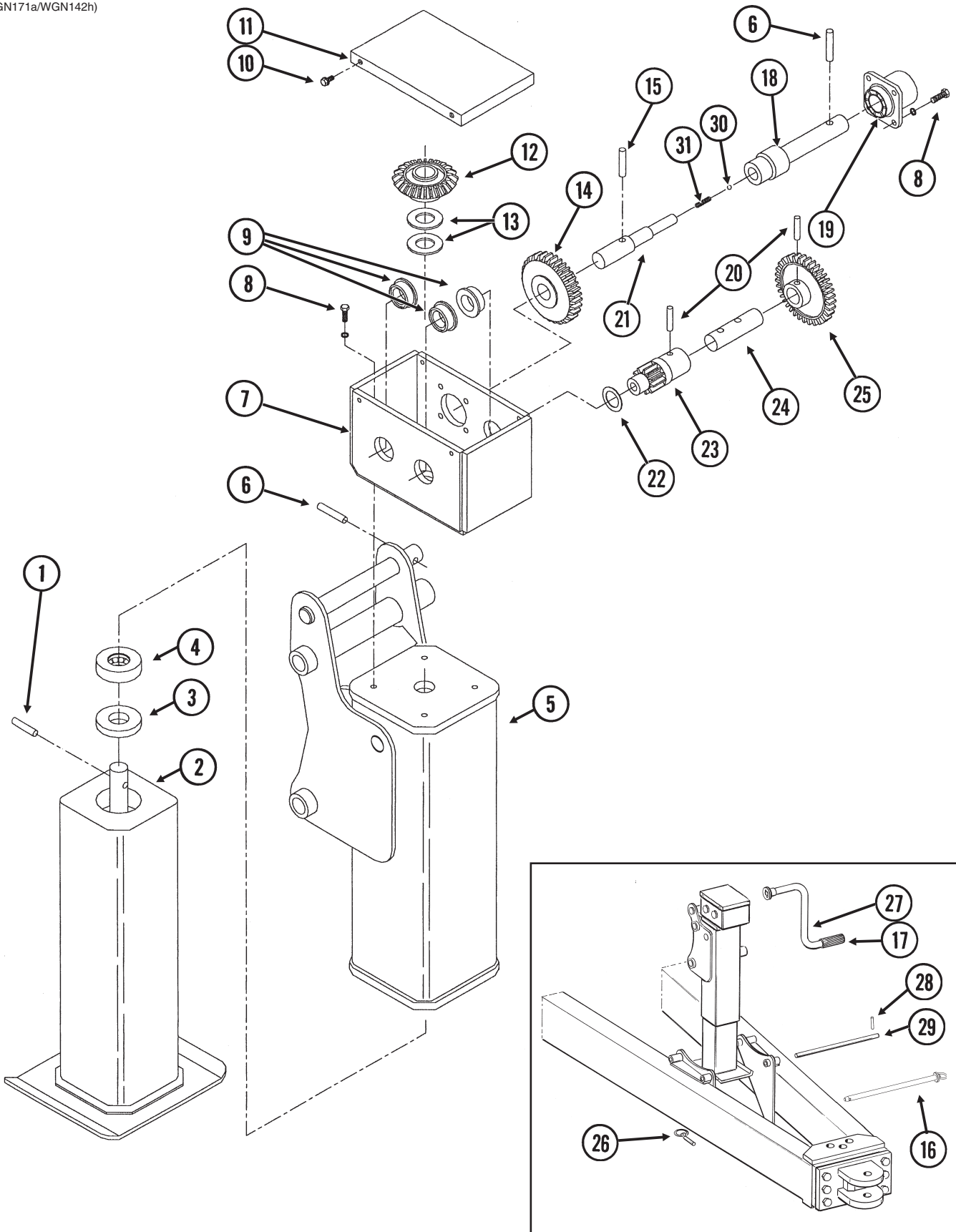
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | GR1677 | 1 | Screw Replacement Kit |
| 2 | GR1621 | 1 | Gear Kit |
| 3 | GR1662 | 1 | Fixed Leg Assembly |
| 4 | G10610 | 1 | Spring Pin, 3/8" x 2" |
| 5 | GR1624 | 1 | Cross Shaft |
| 6 | GR1663 | 1 | Outer Tube Assembly |
| 7 | GD14420 | 1 | Pin |
| 8 | GA10529 | 1 | Handle |
| 9 | G10602 | 2 | Spring Pin, 1/4" x 1 1/2" |
| 10 | GD15392 | 1 | Pin, 1" x 22 3/8" |
| 11 | GD2558 | 1 | Lynch Pin, 1/4" |
| 12 | GA10541 | 1 | L-Pin, 23" |
| 13 | GR1784 | 1 | Top Cap Cover |
| A | GA10217 | - | Jack Complete (Items 1-7) |

(WGN194b/WGN142g)



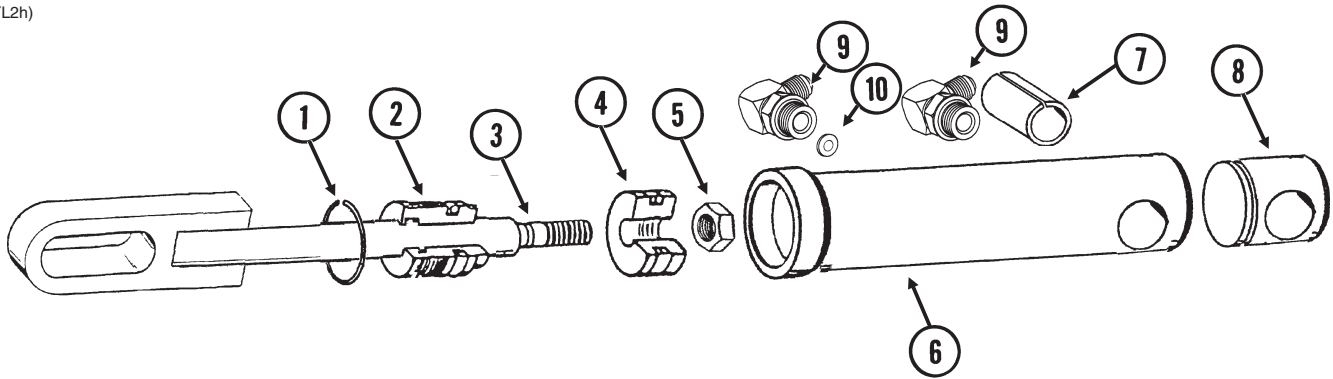
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------|
| 1 | GD2558 | 1 | Lynch Pin, ¼" |
| 2 | GA9655 | 1 | Handle |
| 3 | G10602 | 2 | Spring Pin, ¼" x 1½" |
| 4 | GD13739 | 1 | Pin, 1" x 17" |
| 5 | GA14201 | 1 | Cart Jack Pin, 17½" |
| 6 | GR1662 | 1 | Fixed Leg Assembly |
| 7 | GR1663 | 1 | Outer Tube Assembly |
| 8 | GR1677 | 1 | Screw Replacement Kit |
| 9 | GR1621 | 1 | Gear Kit |
| 10 | GR1624 | 1 | Cross Shaft |
| 11 | G11011 | 1 | Spring Pin, ⅜" x 2" |
| 12 | GD14420 | 1 | Pin |
| 13 | GR1784 | 1 | Top Cap Cover |
| A | GA10026 | - | Jack Complete (Items 6-12) |

(WGN171a/WGN142h)



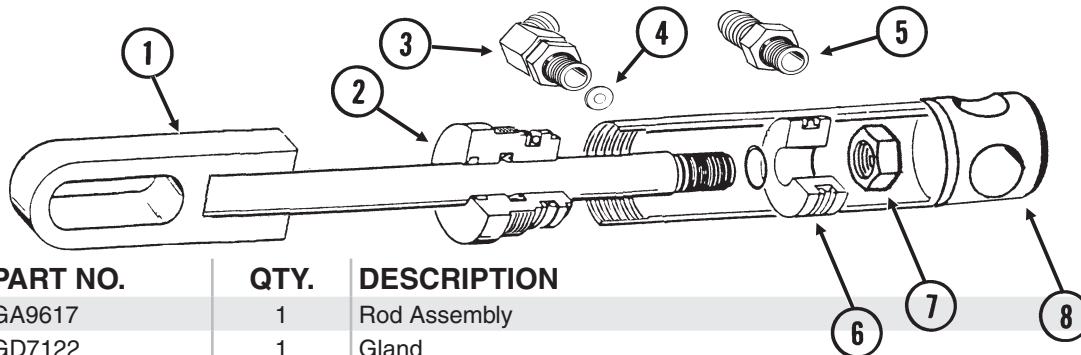
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | G10840 | 1 | Dowel Pin, 3/8" x 1 3/4" |
| 2 | GA9669 | 1 | Lower Leg |
| 3 | GD13598 | 1 | Collar |
| 4 | GA9665 | 1 | Thrust Bearing |
| 5 | GA9484 | 1 | Upper Leg |
| 6 | G10610 | 2 | Spring Pin, 3/8" x 2" |
| 7 | GA9668 | 1 | Gearbox |
| 8 | G10043 | 8 | Hex Head Cap Screw, 5/16"-18 x 3/4" |
| | G10232 | 8 | Lock Washer, 5/16" |
| 9 | GD13604 | 3 | Bushing |
| 10 | G10960 | 4 | Flanged Whiz-Lock Screw, 1/4"-20 x 5/8", No Serration |
| 11 | GD13635 | 1 | Cap |
| 12 | GD13601 | 1 | Bevel Gear |
| 13 | GD13600 | 2 | Thrust Washer |
| 14 | GD13602 | 1 | Output Cluster Gear |
| 15 | G11030 | 1 | Spring Pin, 3/8" x 1 3/4" |
| 16 | GA14201 | 1 | Cart Jack Pin, 17 1/2" |
| 17 | G11012 | 1 | Cover |
| 18 | GD13698 | 1 | Input Shaft |
| 19 | GA14992 | 1 | Shifter Housing |
| 20 | G11031 | 2 | Spring Pin, 5/16" x 1 1/2" |
| 21 | GD13603 | 1 | Output Shaft |
| 22 | G11032 | 1-3 | Shim |
| 23 | GD13605 | 1 | Output Spur Gear |
| 24 | GD13608 | 1 | Output Shaft |
| 25 | GD13606 | 1 | Input Spur Gear |
| 26 | GD2558 | 1 | Lynch Pin, 1/4" |
| 27 | GA9655 | 1 | Handle |
| 28 | G10602 | 2 | Spring Pin, 1/4" x 1 1/2" |
| 29 | GD13739 | 1 | Pin, 1" x 17" |
| 30 | GD13609 | 2 | Detent Ball |
| 31 | GD13610 | 1 | Detent Spring |
| A | GA9670 | - | Jack Complete (Items 1-25) |

(CYL2h)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------|------|--|
| 1 | G10770 | 1 | Internal Retaining Ring, 1 ¹¹ / ₁₆ " |
| 2 | GD13170 | 1 | Gland |
| 3 | GA9561 | 1 | Rod Assembly |
| 4 | GD13172 | 1 | Piston |
| 5 | G11016 | 1 | Lock Nut, 1/2"-20 |
| 6 | D13169 | 1 | Barrel (Non-Stock Item) |
| 7 | GD13400 | 1 | Tension Bushing, 1" x 2" Long |
| 8 | GD13173 | 1 | End Cap |
| 9 | G6801-06-08 | 2 | Elbow W/O-Ring, 90°, 3/16"-18 Male JIC To 3/4"-16 O-Ring |
| | GR1037 | - | O-Ring |
| 10 | GD13541 | 1 | Orifice Plate, One-Way Restriction |
| A | GA9616 | - | Cylinder Complete, 1 ¹ / ₂ " x 2 ¹ / ₂ " (Part Number Stamped On Barrel) |
| B | GR1598 | - | Seal Kit, Includes: (3) O-Rings, (2) BU Rings, (1) Wiper, (1) T-Seal, (1) Bronze Bushing, (1) Seal, (1) U-Cup |

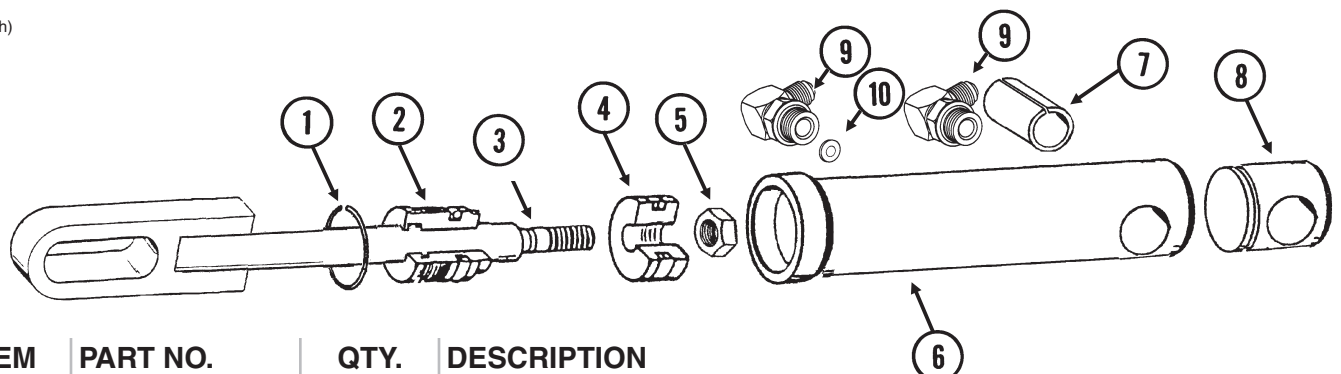
(CYL2f)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------------------|--------|--|
| 1 | GA9617 | 1 | Rod Assembly |
| 2 | GD7122 | 1 | Gland |
| 3 | G6802-06-08 GR1037 | 1 - | Elbow W/O-Ring, 45°, 1/16"-18 Male JIC To 3/4"-16 O-Ring |
| 4 | GD13541 | 1 | Orifice Plate, One-Way Restriction |
| 5 | G6400-06-08 GR1037 | 1 - | Connector W/O-Ring, 1/16"-18 Male JIC To 3/4"-16 O-Ring |
| 6 | GD7120 | 1 | Piston |
| 7 | GR0999 | 1 | Lock Nut, 1/2"-20 |
| 8 | A6020 | 1 | Barrel (Non-Stock Item) |
| A | GA9560 | - | Cylinder Complete, 1 1/2" x 2 1/2" (Part Number Stamped On Barrel) |
| B | GR1001 | - | Seal Kit, Includes: (2) O-Rings, (1) U-Cup, (1) Wiper, (1) T-Seal |

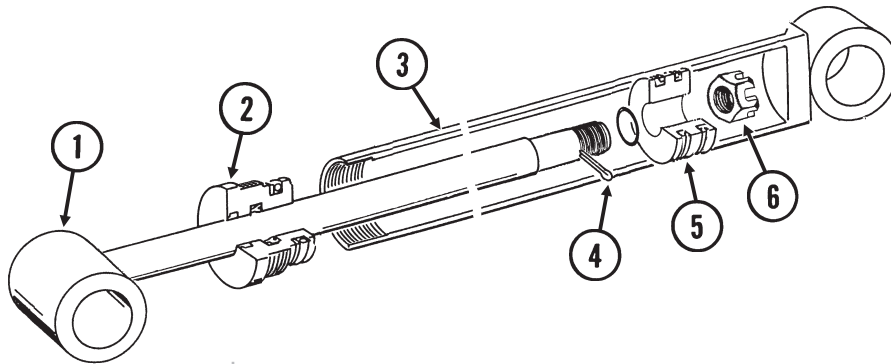
Horizontal Auger Drive (Idler) Cylinder, 850/1050

(CYL2h)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------------------|--------|---|
| 1 | G10770 | 1 | Internal Retaining Ring, 1 1/16" |
| 2 | GD13170 | 1 | Gland |
| 3 | GA9561 | 1 | Rod Assembly |
| 4 | GD13172 | 1 | Piston |
| 5 | G11016 | 1 | Lock Nut, 1/2"-20 |
| 6 | D13169 | 1 | Barrel (Non-Stock Item) |
| 7 | GD13400 | 1 | Tension Bushing, 1" x 2" Long |
| 8 | GD13173 | 1 | End Cap |
| 9 | G6801-06-08 GR1037 | 2 - | Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To 3/4"-16 O-Ring |
| 10 | GD13541 | 1 | Orifice Plate, One-Way Restriction |
| A | GA9616 | - | Cylinder Complete, 1 1/2" x 2 1/2" (Part Number Stamped On Barrel) |
| B | GR1598 | - | Seal Kit, Includes: (3) O-Rings, (2) BU Rings, (1) Wiper, (1) T-Seal, (1) Bronze Bushing, (1) Seal, (1) U-Cup |

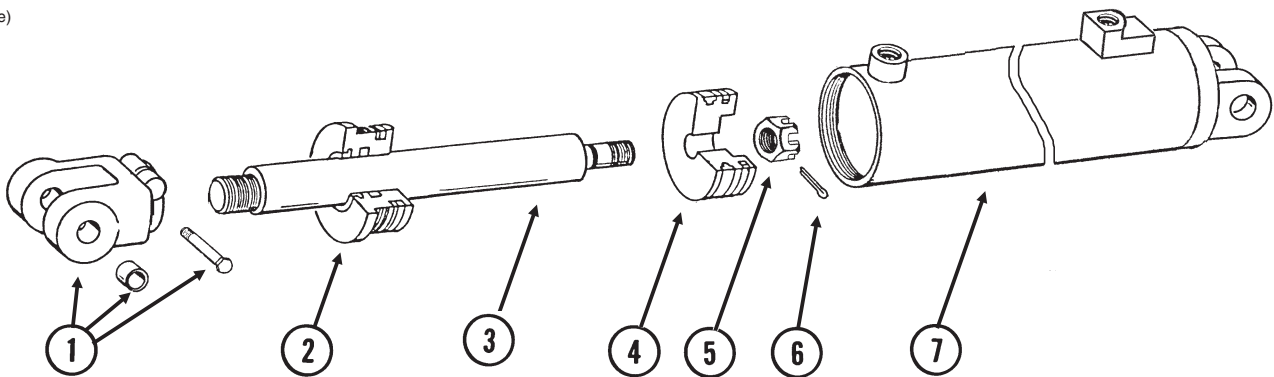
(CYL3d)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GA8871 | 1 | Rod Assembly |
| 2 | GD10207 | 1 | Gland |
| 3 | A7524 | 1 | Barrel (Non-Stock Item) |
| 4 | G10827 | 1 | Cotter Pin, 1/8" x 1 3/4" |
| 5 | GD11983 | 1 | Piston |
| 6 | G10962 | 1 | Slotted Hex Nut, 7/8"-14 |
| A | GA8895 | - | Cylinder Complete, 2 1/2" x 20 1/16" (Part Number Stamped On Barrel) |
| B | GR1521 | - | Seal Kit, Includes: (1) T-Seal, (2) O-Rings, (1) BU Ring, (1) Cast Iron Ring, (1) Wiper, (1) U-Cup |

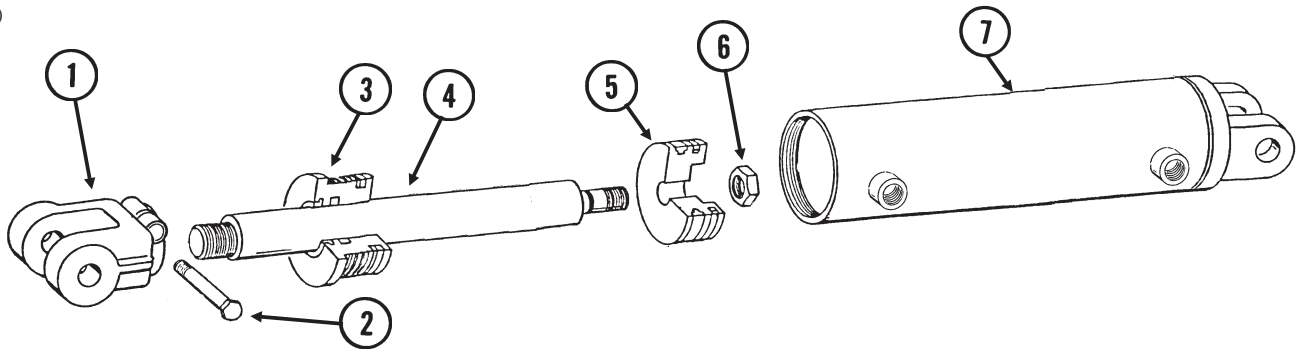
Vertical Auger Fold Cylinder, 850/1050

(CYL33e)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|--------------------------------------|------------------|--|
| 1 | GA8130 GR1401 G10939 G10101 | 1 - - - | Clevis W/Bushings, Hex Head Cap Screw And Hex Nut Bushing Hex Head Cap Screw, 3/8"-16 x 2 1/4" Hex Nut, 3/8"-16 |
| 2 | GD12572 | 1 | Gland |
| 3 | GD13500 | 1 | Rod |
| 4 | GD13498 | 1 | Piston |
| 5 | G10983 | 1 | Slotted Hex Nut, 1 1/8"-12 |
| 6 | G10984 | 1 | Cotter Pin, 3/16" x 2 1/2" |
| 7 | A9610 | 1 | Barrel (Non-Stock Item) |
| A | GA9611 | - | Cylinder Complete, 4 3/4" x 20" (Part Number Stamped On Barrel) |
| B | GR1600 | - | Seal Kit, Includes: (1) Wiper, (1) U-Cup, (2) O-Rings, (1) BU Ring, (1) T-Seal, (1) Piston Ring |

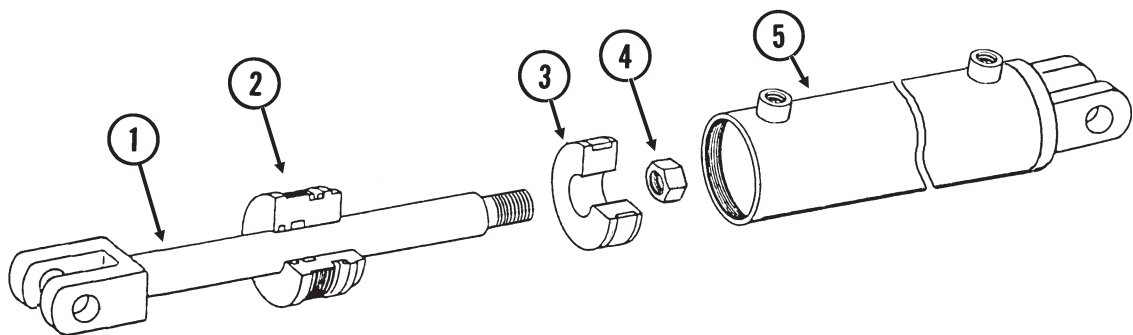
(CYL33i)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GD11950 | 1 | Clevis |
| 2 | G10939 | 1 | Hex Head Cap Screw, 3/8"-16 x 2 1/4" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 3 | GD12510 | 1 | Gland |
| 4 | GD15601 | 1 | Rod |
| 5 | GD12511 | 1 | Piston |
| 6 | G10967 | 1 | Lock Nut, 3/4"-16 |
| 7 | A10619 | 1 | Barrel (Non-Stock Item) |
| A | GA10618 | - | Cylinder Complete, 2" x 6" <i>(Part Number Stamped On Barrel)</i> |
| B | GR1529 | - | Seal Kit, Includes: (1) T-Seal, (2) O-Rings, (1) BU Ring, (2) U-Cups, (1) Wiper, (1) IS511 Instruction |

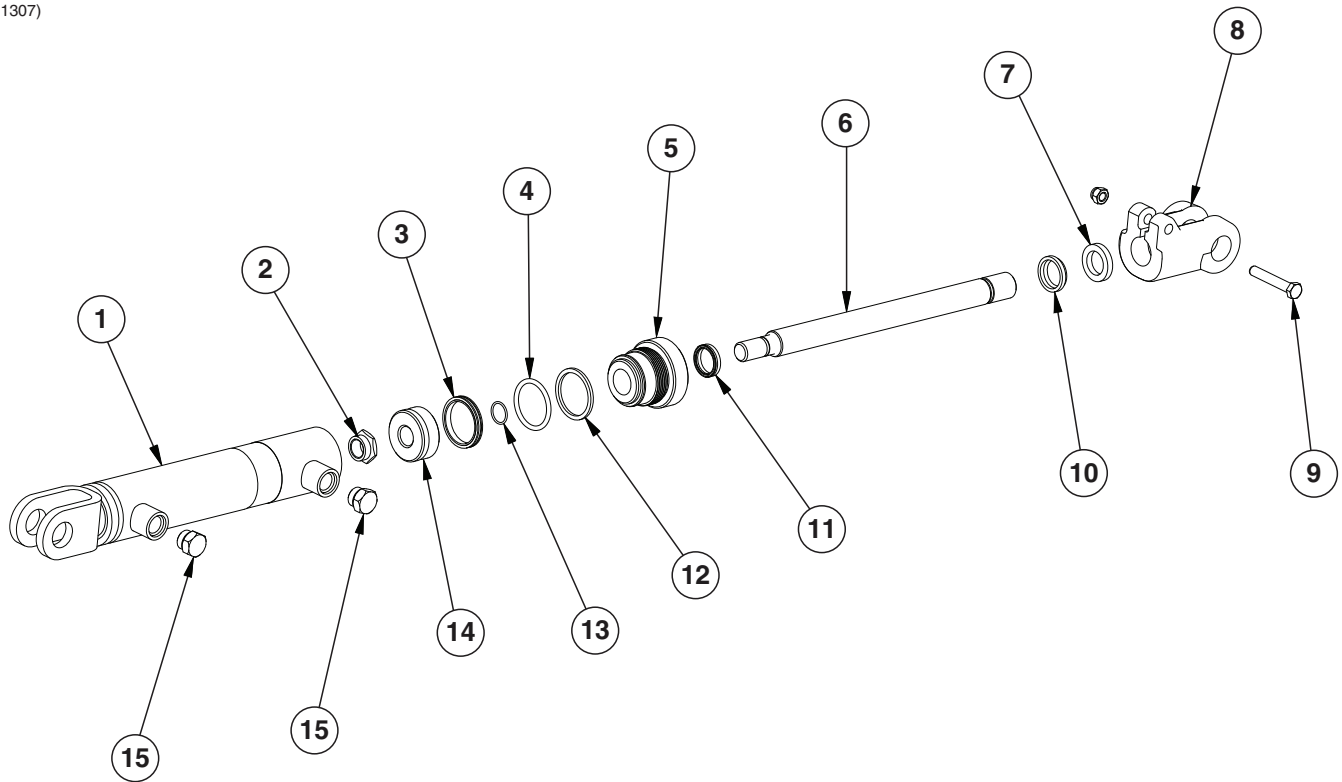
Hydraulic Flow Gate Cylinder, 850/1050

(CYL27f)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | GA8921 | 1 | Rod Assembly |
| 2 | GD12510 | 1 | Gland |
| 3 | GD12511 | 1 | Piston |
| 4 | G10967 | 1 | Lock Nut, 3/4"-16 |
| 5 | A9679 | 1 | Barrel (Non-Stock Item) |
| A | GA9680 | - | Cylinder Complete, 2" x 8" <i>(Part Number Stamped On Barrel)</i> |
| B | GR1529 | - | Seal Kit, Includes: (1) T-Seal, (2) O-Rings, (1) BU Ring, (2) U-Cups, (1) Wiper, (1) IS511 Instruction |

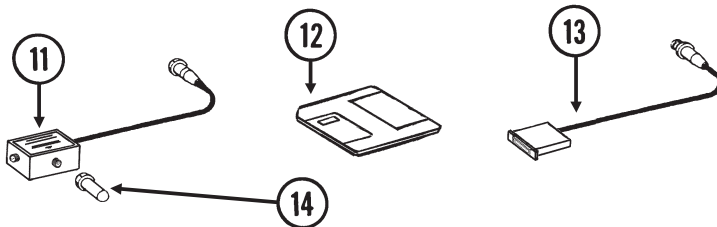
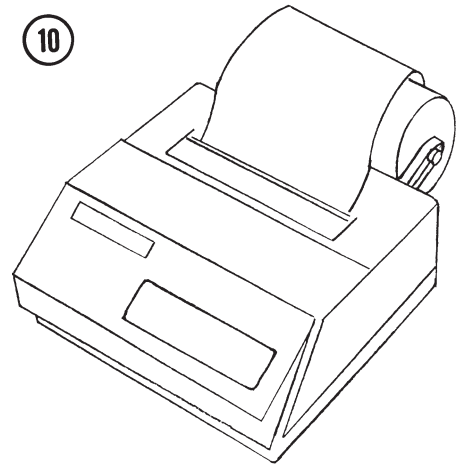
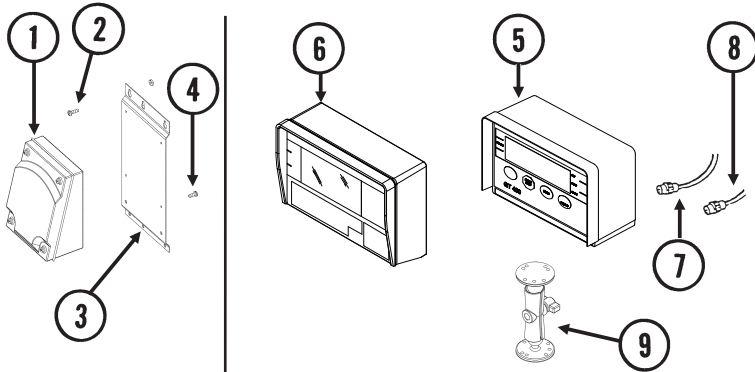
(IP1307)



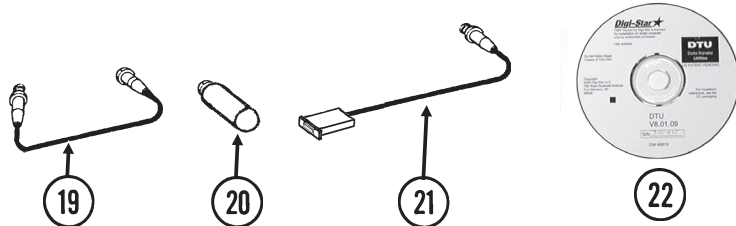
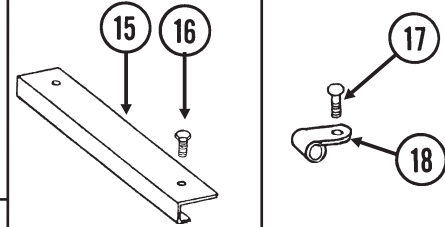
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | A8775 | 1 | Barrel (Non-Stock Item) |
| 2 | G10967 | 1 | Lock Nut, 3/4"-16 |
| 3 | *D12277 | 1 | T-Seal |
| 4 | *D12235 | 1 | O-Ring, No. 326 |
| 5 | GD12510 | 1 | Gland |
| 6 | GD14233 | 1 | Rod |
| 7 | GD12101 | 1 | Ring |
| 8 | GD11950 | 1 | Clevis |
| 9 | G10939 | 1 | Hex Head Cap Screw, 3/8"-16 x 2 1/4" |
| | G10108 | 1 | Lock Nut, 3/8"-16 |
| 10 | *D12233 | 1 | Wiper Rod |
| 11 | *D12256 | 1 | U-Cup |
| 12 | *D12236 | 1 | Back-Up Ring |
| 13 | *D12237 | 1 | O-Ring, No. 018 |
| 14 | GD12511 | 1 | Piston |
| 15 | G6408-08 | 2 | Plug W/O-Ring, 3/4"-16 O-Ring |
| | GR1037 | - | O-Ring |
| A | GA11967 | - | Cylinder Complete, 2" x 8" (Part Number Stamped On Barrel) |
| B | GR1529 | - | Seal Kit, Includes: (1) T-Seal, (2) O-Rings, (1) BU Ring, (2) U-Cups, |

*Part of seal kit, item can not be purchased individually.

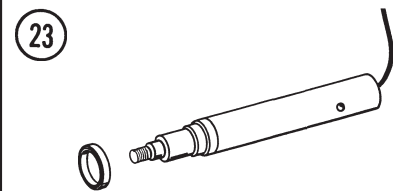
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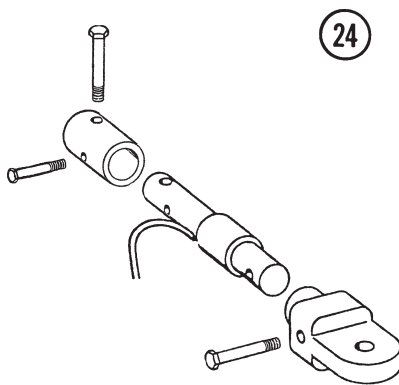
Memory Downloader



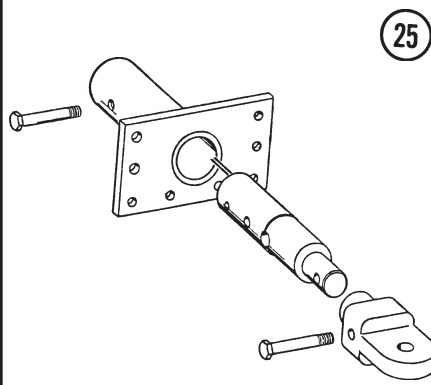
Data Down Loader



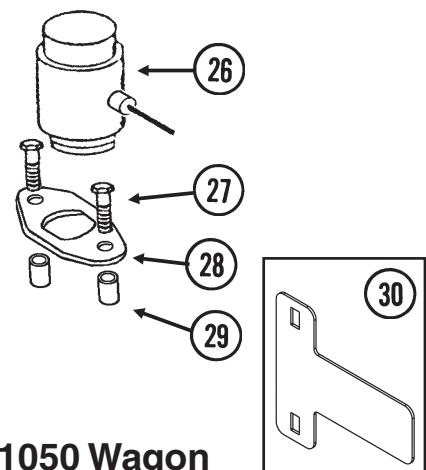
650/850 Wagon



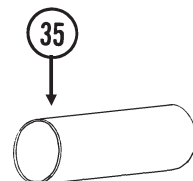
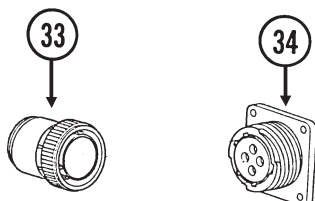
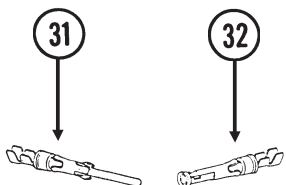
650 Wagon



850/1050 Wagon

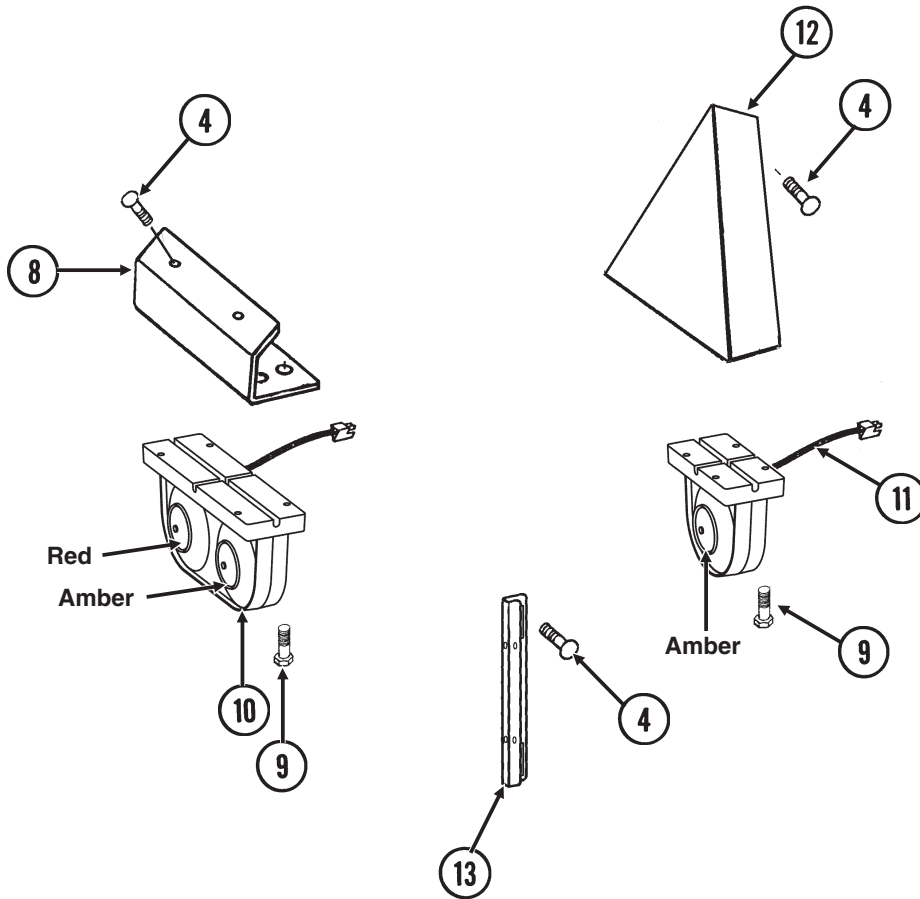
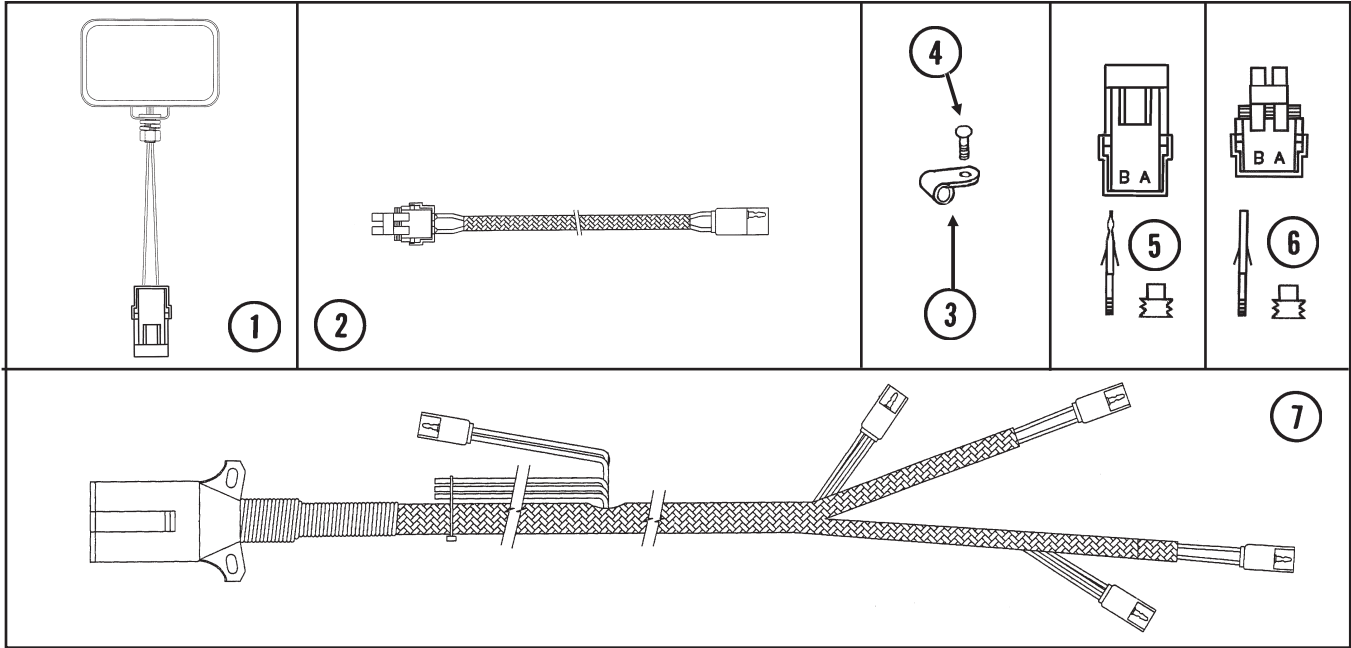


1050 Wagon

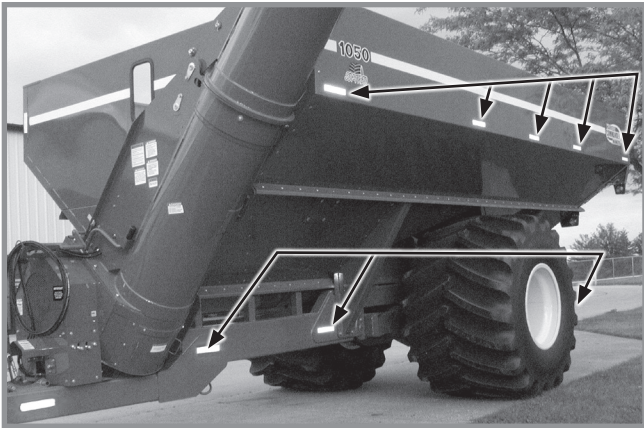


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-------------------|--------|--|
| 1 | GA12238 GR1431 | 1 - | Junction Box W/30' Cable, 650/850/1050 Cable, 30' (If Applicable) |
| 2 | G10331 G10395 | 4 4 | Pan Head Machine Screw, No. 10 x 5/8" Hex Nut, No. 10-24 |
| 3 | GD17336 | 1 | Junction Box Mounting Bracket |
| 4 | GA11229 | 4 | Pan Head Machine Screw, No. 10 x 1/2" |
| 5 | G8367X | 1 | GT 400 Indicator W/Serial Port For Printer (FACTORY CALIBRATION REQUIRED - Specify Wagon Type And Size, 850/1050) |
| 6 | G8541X | 1 | GT 460 Indicator W/Serial Port For Printer |
| 7 | GA4683 | 1 | Cable Extension (To Junction Box Cable), 650/850/1050 |
| 8 | GA5663 | - | Battery Power Cable, 650/850 |
| | GA6772 | 1 | Battery Power Cable, 1050 |
| 9 | GA12403 | - | Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring, (1) Tension Knob, (1) 1/4"-20 x 1 3/4" Hex Head Cap Screw, (1) 1/4" Plastic Washer, (1) 1/4" Steel Washer |
| | GR1762 | - | Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x 5/8" Hex Socket Pan Head Screws, (3) 1/4" Lock Washers |
| 10 | G7383X | 1 | Optional Printer W/Data Cable And Power Cable, For Use With EZ 400 & EZ 2000 Printer Ready Indicator (Non-Stock Item - Order Through Kinze Wholegoods) (Sub Wholegoods Order Code 816-00054) |
| | GR1491 | - | Data Cable (Used Between Indicator And Printer) |
| | GR1492 | - | Power Cable |
| 11 | GA8606 | 1 | Memory Converter (Used Between Indicator And Downloader Module) |
| 12 | GD11586 | 1 | Program Diskette |
| 13 | GA8612 | 1 | Interface Cable (Used Between Downloader Module And PC Printer Port) |
| 14 | GA8605 | 1 | Downloader Module |
| 15 | GD7139 | - | Cover, 20", 850/1050 |
| 16 | G10522 | 2 | Slotted Hex Self-Tapping Screw, 1/4"-20 x 3/4" |
| 17 | G10002 | - | Hex Head Cap Screw, 3/8"-16 x 3/4" |
| | G10101 | - | Hex Nut, 3/8"-16 |
| 18 | GD6291 | - | Insulated Clamp, 3/8" |
| 19 | GA10013 | 1 | Module Cable |
| 20 | GA10012 | 1 | Downloader Module |
| 21 | GA10011 | 1 | Interface Cable |
| 22 | GD14416 | 1 | Program CD |
| 23 | --- | - | See "Stub Axle and Spindle, 650" on page P88 See "Axles, 850 Wheel/Sof-Tred" on page P89 See "Axles, 1050 Row Crop" on page P90 See "Axles, 1050 Sof-Tred/Sof-Trak" on page P92 |
| 24 | --- | - | See "Clevis Hitch Assemblies, 650" on page P103 |
| 25 | --- | - | See "Clevis Hitch Assemblies, 850/1050" on page P104 |
| 26 | GA7895 | 2 | Load Cell |
| 27 | G10047 | 4 | Hex Head Cap Screw, 3/8"-16 x 1 3/4" (Load Cell Retainer) |
| | G10108 | 4 | Lock Nut, 3/8"-16 (Load Cell Retainer) |
| 28 | GD12851 | 2 | Load Cell Retainer |
| 29 | GD10359 | 4 | Bushing (Load Cell Retainer) |
| 30 | GD21198 | 2 | Load Cell Shim |
| 31 | GR1067 | - | Pin |
| 32 | GR1171 | - | Female Socket Contact |
| 33 | GR1068 | - | Connector, Male |
| 34 | GR1170 | - | Connector, Female |
| 35 | GR1069 | - | Shrink Tube, 2 1/2" |

(WGN67b/A9687/WGN51g/WGN166/A9475/WGN51h)



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|--|----------------------------|---|
| 1 | GA15101 GR1981 | 1 - | Work Light Assembly H3-55W Bulb |
| 2 | GA9687 GA14980 | 1 - | Wiring Harness, 384" (Work Light) (Prior to 2011 Production) Wiring Harness, 326" (Work Light) (2011 Production and on) |
| 3 | GD6291 | - | Insulated Clamp, 3/8" |
| 4 | G10305 G11091 | - - | Carriage Bolt, 3/8"-16 x 1" Serrated Flange Nut, 3/8"-16 |
| 5 | G1K321 | - | 2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals |
| 6 | G1K320 | - | 2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals |
| 7 | GA9475 GA5385 | 1 - | Wiring Harness W/7 Terminal Female Connector, 624" (5 Light Connections) 7 Terminal Female Connector |
| 8 | GD13324 | 2 | Light Bracket |
| 9 | G11330 G10110 | 16 16 | Hex Head Cap Screw, 1/4"-20 x 1 1/4" Lock Nut, 1/4"-20 , Grade B |
| 10 | GA6700 GA6699 GR1956 GR1957 GR1958 GR1208 | 1 1 - - - - | Double Light Assembly (Shown) Double Light Assembly Amber Lens Kit, Includes: (1) Amber Lens, (1) Gasket, and (3) Hex Head Cap Screws Red Lens Kit, Includes: (1) Red Lens, (1) Gasket, and (3) Hex Head Cap Screws Black Cover Kit, Includes: (1) Black Cover, (1) Gasket, and (3) Hex Head Cap Screws Bulb |
| 11 | GA6701 GR1956 GR1208 | 2 - - | Single Amber Light Assembly Amber Lens Kit, Includes: (1) Amber Lens, (1) Gasket, and (3) Hex Head Cap Screws Bulb |
| 12 | GA9476 GA9477 | 1 1 | Light Bracket, R.H. (Shown) Light Bracket, L.H. |
| 13 | GD13779 GD16021 | 3 1 | Wiring Harness Bracket Wiring Harness Bracket |



Model 1050 Sof-Tred Wagon Shown



Part No.: G7100-259
 Description: Reflective Decal, Amber, 1½" x 9", Rectangular
 Quantity: 8 (Models 650 And 850/Qty. 10 on Model 1050
 - Four Located On Each Side Of Grain Tank On
 650 And 850; Five Located On Each Side Of Grain
 Tank On 1050)

 6 (Three Located On L.H. Side Of Wagon Frame
 - Three Located On R.H. Side Of Wagon Frame)

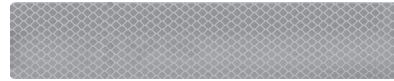
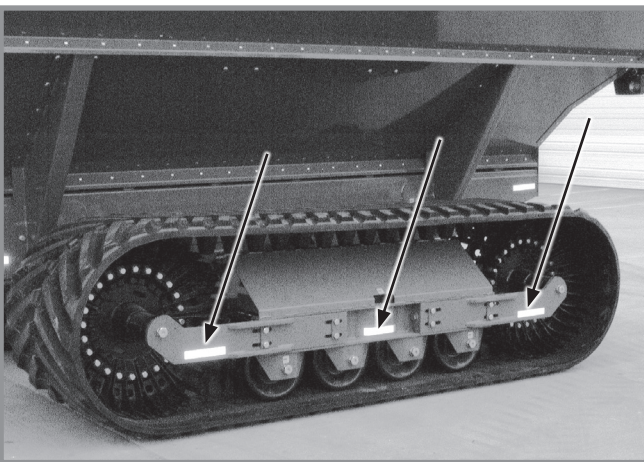


Model 1050 Sof-Tred Wagon Shown



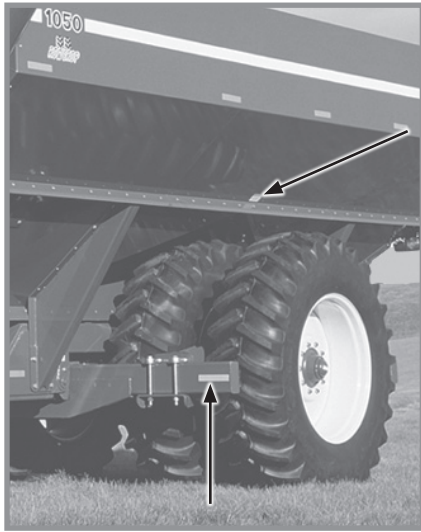
Part No.: G7100-259
 Description: Reflective Decal, Amber, 1½" x 9", Rectangular
 Quantity: 2 (One Located On L.H. Side And One Located
 On R.H. Side Of Front Of Grain Tank)

 2 (One Located On Each Side Of Hitch)



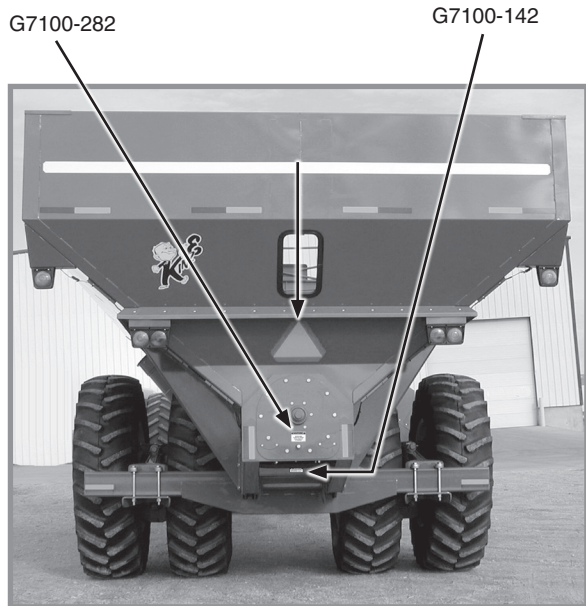
Part No.: G7100-259
 Description: Reflective Decal, Amber, 1 1/2" x 9", Rectangular

 Quantity: 6 (Three Located On L.H. Side And Three Lo-
 cated On R.H. Side Of Sof-Trak Frame)



Part No.: G7100-162
 Description: Decal, Danger, Row Crop Wagon (Row Crop Wagon Only)
 Quantity: 2 (One On Each Side Of Wagon Above Wheels)

Part No.: G7100-259
 Description: Reflective Decal, Amber, 1½" x 9", Rectangular
 Quantity: 2 (One Located On Front L.H. And One Located On Front R.H. Side Of Row Crop Axle)



Row Crop Wagon Shown




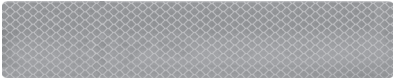

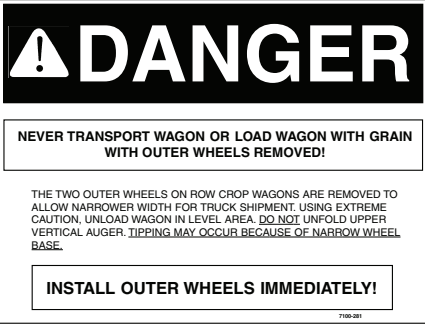


Part No.: G7100-36
 Description: SMV Sign

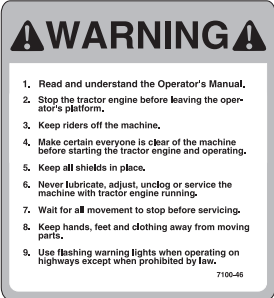
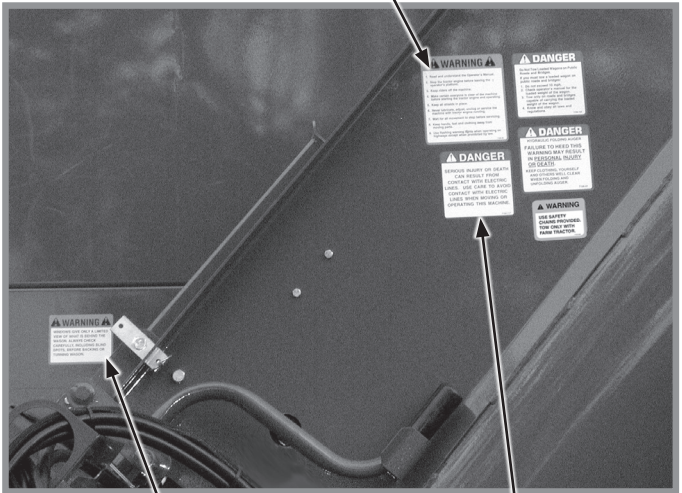
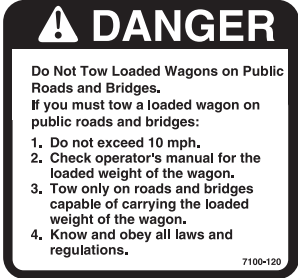
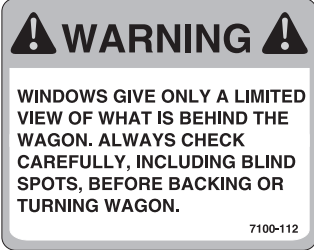


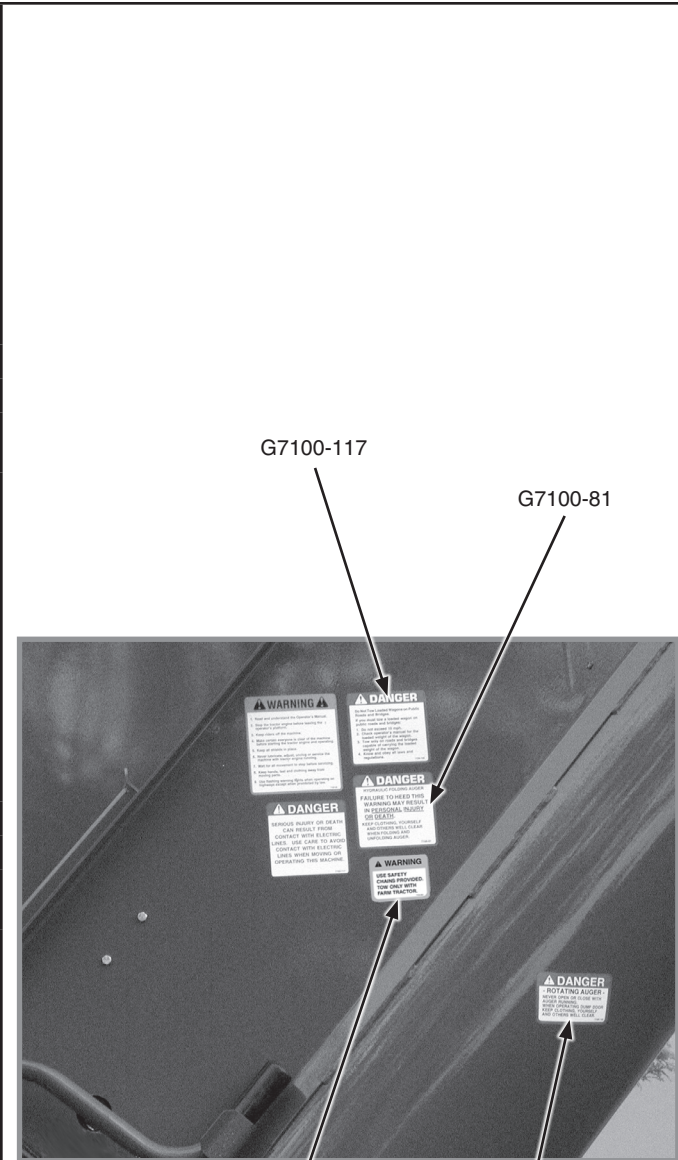
Part No.: G7100-282
 Description: Decal, Warning
 Quantity: 1



Part No.: G7100-142
 Description: Decal, Danger
 Quantity: 1

| | |
|---|---|
|  <p>G7100-258</p> <p>G7100-260</p> <p>G7100-258</p> <p>G7100-260</p> |  <p>Part No.: G7100-258 Description: Reflective Decal, Red, 1½" x 9", Rectangular Quantity: 2 (One Located On Rear L.H. Side And One Located On Rear R.H. Side Of Row Crop Axle)</p> <p>6 (Rear-Facing In Transport)</p> <p>Part No.: G7100-260 Description: Reflective Decal, Orange, 1½" x 9", Rectangular Quantity: 2 (One Located On Rear L.H. Side And One Located On Rear R.H. Side Of Row Crop Axle)</p> <p>6 (Rear-Facing In Transport)</p> |
|  |  <p>Part No.: G7100-281 Description: Decal, Danger (Row Crop Wagon On - Temporary Shipping Warning) Quantity: 1</p> |
|  |  <p>Part No.: G7100-175 Description: Decal, Danger Quantity: 1</p> |

| | |
|--|---|
| |  <p>WARNING</p> <ol style="list-style-type: none"> 1. Read and understand the Operator's Manual. 2. Stop the tractor engine before leaving the operator's platform. 3. Keep riders off the machine. 4. Make certain everyone is clear of the machine before starting the tractor engine and operating. 5. Keep all shields in place. 6. Never lubricate, adjust, untag or service the machine with tractor engine running. 7. Wait for all movement to stop before servicing. 8. Keep hands, feet and clothing away from moving parts. 9. Use flashing warning lights when operating on highways except when prohibited by law. <p>7100-46</p> |
|  <p>G7100-46</p> <p>G7100-112</p> <p>G7100-120</p> | <p>Part No.: G7100-46 Description: Decal, Warning Quantity: 1</p> |
| |  <p>DANGER</p> <p>Do Not Tow Loaded Wagons on Public Roads and Bridges. If you must tow a loaded wagon on public roads and bridges:</p> <ol style="list-style-type: none"> 1. Do not exceed 10 mph. 2. Check operator's manual for the loaded weight of the wagon. 3. Tow only on roads and bridges capable of carrying the loaded weight of the wagon. 4. Know and obey all laws and regulations. <p>7100-120</p> |
| | <p>Part No.: G7100-120 Description: Decal, Danger Quantity: 1</p> |
| |  <p>WARNING</p> <p>WINDOWS GIVE ONLY A LIMITED VIEW OF WHAT IS BEHIND THE WAGON. ALWAYS CHECK CAREFULLY, INCLUDING BLIND SPOTS, BEFORE BACKING OR TURNING WAGON.</p> <p>7100-112</p> |
| | <p>Part No.: G7100-112 Description: Decal, Warning Quantity: 1</p> |



⚠ DANGER

SERIOUS INJURY OR DEATH
CAN RESULT FROM
CONTACT WITH ELECTRICAL
LINES. USE CARE TO AVOID
CONTACT WITH ELECTRIC
LINES WHEN MOVING OR
OPERATING THIS MACHINE.

7100-117

Part No.: G7100-117
Description: Decal, Danger
Quantity: 1

⚠ DANGER

HYDRAULIC FOLDING AUGER
FAILURE TO HEED THIS
WARNING MAY RESULT
IN PERSONAL INJURY
OR DEATH.

KEEP CLOTHING, YOURSELF
AND OTHERS WELL CLEAR
WHEN FOLDING AND
UNFOLDING AUGER.

7100-81

Part No.: G7100-81
Description: Decal, Danger
Quantity: 1

⚠ DANGER

- ROTATING AUGER -
NEVER OPEN OR CLOSE WITH
AUGER RUNNING.
WHEN OPERATING DUMP DOOR
KEEP CLOTHING, YOURSELF
AND OTHERS WELL CLEAR.

7100-142

Part No.: G7100-142
Description: Decal, Danger
Quantity: 1

⚠ WARNING

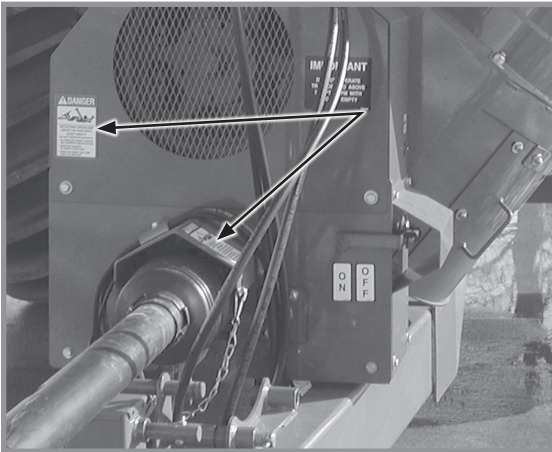
USE SAFETY
CHAINS PROVIDED.
TOW ONLY WITH
FARM TRACTOR.

7100-302

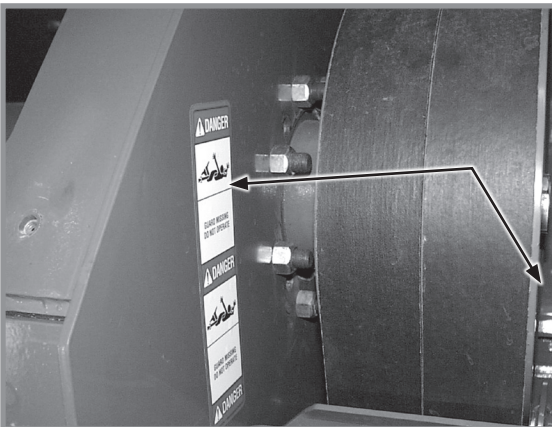
Part No.: G7100-302
Description: Decal, Warning
Quantity: 1



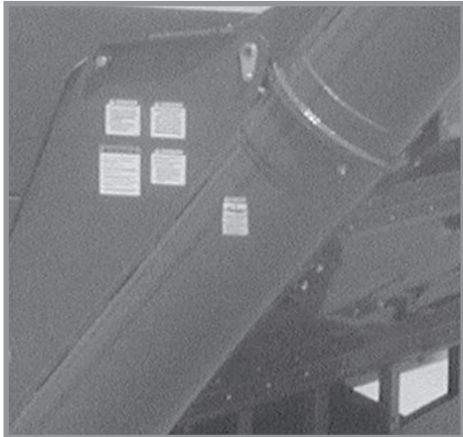
Part No.: G7100-80
 Description: Decal, Warning
 Quantity: 1



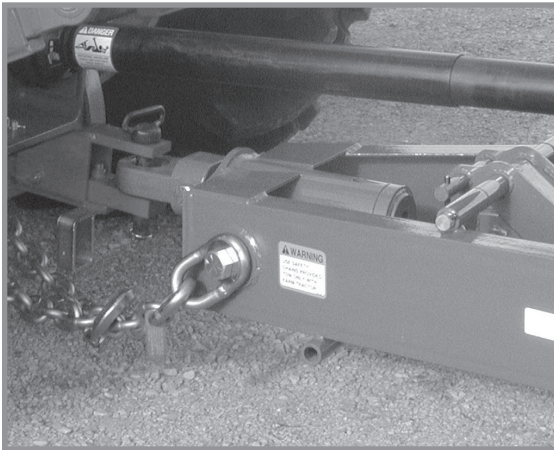
Part No.: G7100-67
 Description: Decal, Danger
 Quantity: 2



Part No.: G7100-86
 Description: Decal, Danger
 Quantity: 2



Part No.: G7100-67
 Description: Decal, Danger
 Quantity: 1






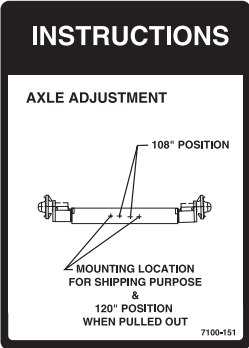
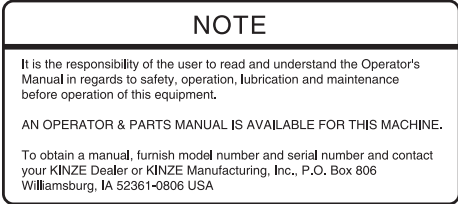












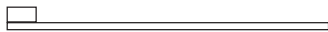
Model 650 Shown




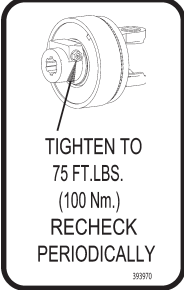
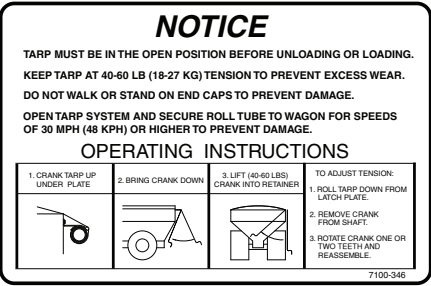



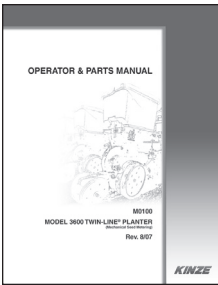
Part No.: G7100-302
 Description: Decal, Warning
 Quantity: 1

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| | <p>Part No.: G7100-82 Description: Decal, Danger Quantity: 1</p> |
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| | <p>Part No.: G7100-80 Description: Decal, Warning Quantity: 1</p> |
| <p>Model 1050 Shown</p> | |
| <p>G7100-90</p> | <p>Part No.: G7100-296 Description: Decal, Danger Quantity: 1</p> |
| <p>G7100-296</p> | |
| <p>G7100-90</p> | <p>Part No.: G7100-90 Description: Decal, Warning Quantity: 1</p> |

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|  | <p>Part No.: G7100-107 Description: Decal, Kinze Logo</p> |
|  | <p>Part No.: G7100-110 Description: Decal, Grease Weekly</p> |
|  | <p>Part No.: G7100-119 Description: Decal, Instruction</p> |
|  | <p>Part No.: G7100-93 Description: White Stripping, 3" x 100 Yards</p> |
|  | <p>Part No.: GR1172-01 Description: White Stripping, Per Foot</p> |
|  | <p>Part No.: G7100-130 Description: Decal, Electronic Scale</p> <p>Part No.: G7100-151 Description: Decal, Instructions, Sof-Trak Wagon</p> |
|  | <p>Part No.: G7100-217 Description: Decal, Note</p> |
|  | <p>Part No.: G7100-271 Description: Decal, Harvest Commander</p> |

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|  | <p>Part No.: G7100-272 Description: Decal, Sof-Trak</p> |
|  | <p>Part No.: G7100-273 Description: Decal, Row Crop</p> |
|  | <p>Part No.: G7100-274 Description: Decal, Sof-Tred</p> |
|  | <p>Part No.: G7100-265 Description: Decal, 1050</p> |
|  | <p>Part No.: G7100-284 Description: Decal, 850</p> |
|  | <p>Part No.: G7100-285 Description: Decal, 650</p> |
|  | <p>Part No.: G7100-280 Description: Decal, Important</p> |
|  | <p>Part No.: G7100-167 Description: Decal, Closed (Hydraulic Flow Gate)</p> |
|  | <p>Part No.: G7100-168 Description: Decal, Open (Hydraulic Flow Gate)</p> |
|  | <p>Part No.: GD1512 Description: Cable Tie, 7½"</p> |
| | <p>Part No.: GD2117 Description: Cable Tie, 14½"</p> |

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|  | <p>Part No.: G7100-325 Description: Decal, Warning</p> |
|  | <p>Part No.: G7100-289 Description: Decal, OFF</p> |
|  | <p>Part No.: G7100-290 Description: Decal, ON</p> |
|  | <p>Part No.: G7100-314 Description: Decal, Torque Value</p> |
|  | <p>Part No.: G7100-346 Description: Decal, Important</p> |
|  | <p>Part No.: GR0155 Description: Blue Paint, Aerosol Can</p> <hr/> <p>Part No.: GR0155MPP Description: Blue Paint, Twelve Aerosol Cans</p> |

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|  | <p>Part No.: GM0176 Description: Operator & Parts Manual, 50 Series Grain Auger Wagons</p> |
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| *A1131 | P52 | G10004 | P45 | G10019 | P56 | G10080 | P31 |
| *A12066 | P41 | G10004 | P47 | G10025 | P29 | G10082 | P97 |
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| *A7644 | P57 | G10005 | P45 | G10026 | P71 | G10102 | P55 |
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