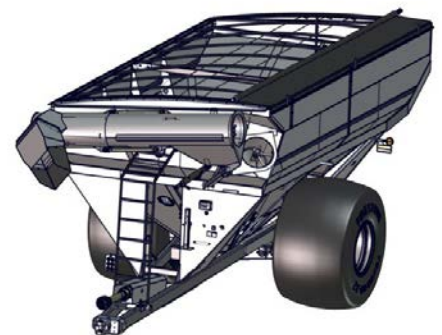


OPERATORS MANUAL



1325-20
1326-22
1400-20
1401-22

GRAIN CART



Rev. 7.15.2024

J. & M. Mfg. Co., Inc.
284 Railroad Street - P.O. Box 547
Fort Recovery, OH 45846
Ph: (419) 375-2376 Fax: (419) 375-2708
www.jm-inc.com

To The Dealer

Read manual instructions and safety rules. Make sure all items on the Dealer's Pre-Delivery and Delivery Check Lists are completed before releasing equipment to the owner.

The dealer must complete the Warranty Registration found on the Dealer Portal website located at dealer.jm-inc.com. and return it to J&M Mfg. Co., Inc. at the address indicated on the form. Warranty claims will be denied if the Warranty Registration has not been submitted.

EXPRESS WARRANTY:

J&M Mfg. Co., Inc. warrants against defects in construction or materials for a period of ONE year. We reserve the right to inspect and decide whether material or construction was faulty or whether abuse or accident voids our guarantee.

Warranty service must be performed by a dealer or service center authorized by J&M Mfg. Co., Inc. to sell and/or service the type of product involved, which will use only new or remanufactured parts or components furnished by J&M Mfg. Co., Inc. Warranty service will be performed without charge to the purchaser for parts or labor based on the Warranty Labor Times schedule. Under no circumstance will allowable labor times extend beyond the maximum hours indicated in the Warranty Labor Times schedule for each warranty procedure. The purchaser will be responsible, however, for any service call and/or transportation of the product to and from the dealer or service center's place of business, for any premium charged for overtime labor requested by the purchaser, and for any service and/or maintenance not directly related to any defect covered under the warranty. Costs associated with equipment rental, product down time, or product disposal are not warrantable and will not be accepted under any circumstance.

Each Warranty term begins on the date of product delivery to the purchaser. Under no circumstance will warranty be approved unless (i) the product warranty registration card has been properly completed and submitted to the equipment manufacturer, and (ii) a warranty authorization number has been issued by the equipment manufacturer. This Warranty is effective only if the warranty registration card is returned within 30 days of purchase.

This Warranty does not cover a component which fails, malfunctions or is damaged as a result of (i) improper modification or repair, (ii) accident, abuse or improper use, (iii) improper or insufficient maintenance, or (iv) normal wear or tear. This Warranty does not cover products that are previously owned and extends solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. J&M Mfg. Co., Inc. makes no Warranty, express or implied, with respect to tires or other parts or accessories not manufactured by J&M Mfg. Co., Inc. Warranties for these items, if any, are provided separately by their respective manufacturers.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

In no event shall J&M Mfg. Co., Inc. be liable for special, direct, incidental or consequential damages of any kind. The exclusive remedy under this Warranty shall be repair or replacement of the defective component at J&M Mfg. Co., Inc.'s option. This is the entire agreement between J&M Mfg. Co., Inc. and the Owner about warranty and no J&M Mfg. Co., Inc. employee or dealer is authorized to make any additional warranty on behalf of J&M Mfg. Co., Inc.

The manufacturer reserves the right to make product design and material changes at any time without notice. They shall not incur any obligation or liability to incorporate such changes and improvements in products previously sold to any customer, nor shall they be obligated or liable for the replacement of previously sold products with products or parts incorporating such changes.

SERVICE:

The equipment you have purchased has been carefully manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and maintenance. Lubricate the unit as specified. Observe all safety information in this manual and safety signs on the equipment.

For service, your authorized J&M dealer has trained mechanics, genuine J&M service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine J&M service parts. Substitute parts may void warranty and may not meet standards required for safety and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

Model No: _____ **Serial No:** _____ **Date of Purchase:** _____

Purchased From: _____

Provide this information to your dealer to obtain correct repair parts.

General Information

TO THE OWNER:

The purpose of this manual is to assist you in operating and maintaining your grain cart in a safe manner. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance and help maintain safe operating conditions. If this machine is used by an employee or is loaned or rented, make certain that the operator(s), prior to operating:

1. Is instructed in safe and proper use.
2. Reviews and understands the manual(s) pertaining to this machine.

Throughout this manual, the term **IMPORTANT** is used to indicate that failure to observe can cause damage to equipment. The terms **CAUTION**, **WARNING** and **DANGER** are used in conjunction with the Safety-Alert Symbol (a triangle with an exclamation mark) to indicate the degree of hazard for items of personal safety. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury or death.

⚠ This Safety-Alert symbol indicates a hazard and means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

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

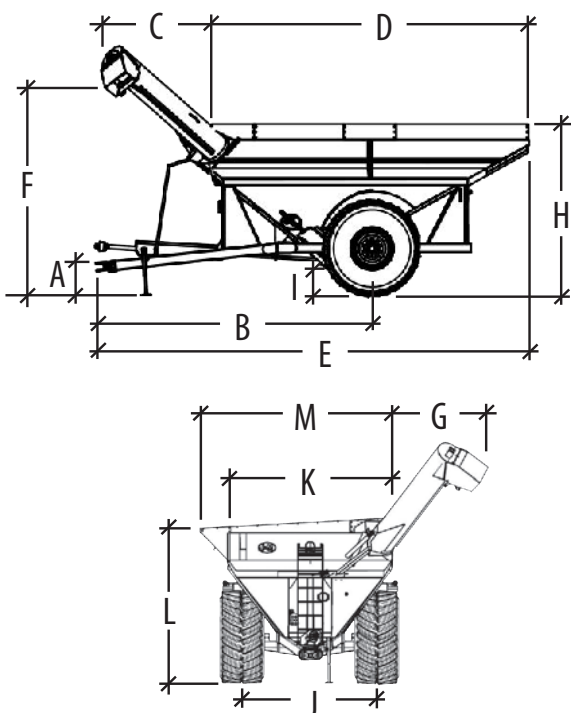
⚠ WARNING Indicates a potentially hazardous situation that, if not avoided, will result in death or serious injury, and includes hazards that are exposed when guards are removed.

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

IMPORTANT Indicates that failure to observe can cause damage to equipment.

NOTE Indicates helpful information.

Specifications



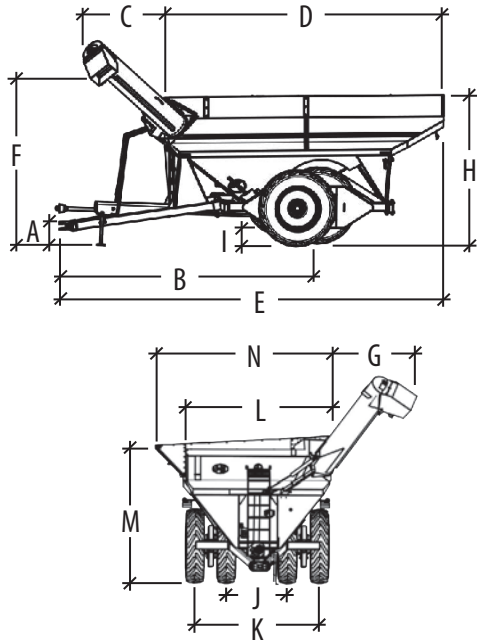
SPECIFICATIONS

| | 1325/1326 | 1400/1401 |
|-------------------------------|------------------------|---------------------|
| Capacity | 1,325 Bushels | 1,375 Bushels |
| Auger, One Vertical | 20" or 22" Diameter | 20" or 22" Diameter |
| Unload Time | 2.6 or 2.2 minutes | 2.8 or 2.3 minutes |
| Wheels (2) | 44x32 or 1250/50R32 | 44x32 1250/50R32 |
| Spindles (2) | 6" Diameter | 6" Diameter |
| PTO | 1,000 rpm | 1,000 rpm |
| Tires (2) | 1250/50R32 | 1250/50R32 |
| Tongue Weight | | |
| Empty | 2,400 lbs. | 2,400 lbs. |
| Loaded | 4,800 lbs. | 4,800 lbs. |
| Total Weight (approx.) | 16,100 lbs. | 16,100 lbs. |

DIMENSIONS

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M |
|-------|-------|---------|-------|--------|--------|--------|-------|--------|-------|--------|--------|--------|-----|
| 1325 | 1'-6" | 21'-10" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-3" | 1'-5" | 9'-6" | 11'-9" | 11'-4" | N/A |
| 1326 | | | | | | 14'-2" | 7'-6" | | | 10'-0" | | | |
| 1400 | 1'-6" | 21'-10" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-3" | 1'-5" | 9'-6" | 11'-9" | 11'-8" | N/A |
| 1401 | | | | | | 14'-2" | 7'-6" | | | 10'-0" | | | |

Specifications

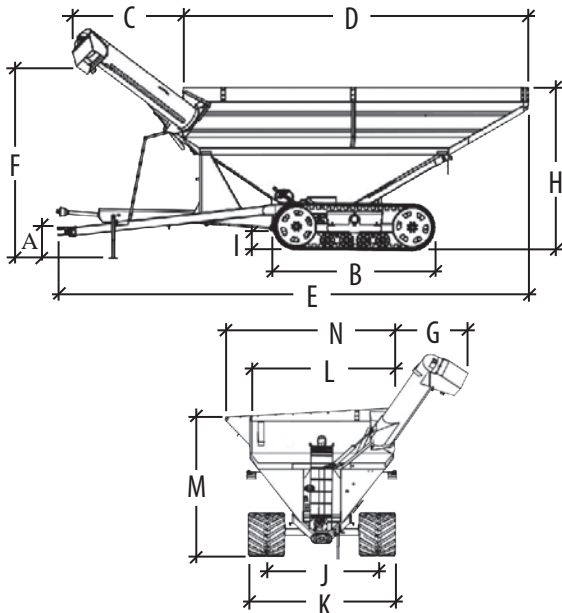


WALKING TANDEM DUAL WHEELS SPECIFICATIONS

| | 1325 (20" Auger) | 1400 (20" Auger) |
|-------------------------------|-----------------------|-----------------------|
| | 1326 (22" Auger) | 1401 (22" Auger) |
| Capacity | 1,325 Bushels | 1,375 Bushels |
| Auger, One Vertical | 20" or 22" Diameter | 20" or 22" Diameter |
| Unload Time | 2.6 or 2.2 minutes | 2.8 or 2.3 minutes |
| Wheels (4) | 16x42, 18 x 38, 18x42 | 16x42, 18 x 38, 18x42 |
| Spindles (4) | 4 1/2" Diameter | 4 1/2" Diameter |
| Tires (4) | 520/85R42 | 520/85R42 |
| Tongue Weight | | |
| Empty | 2,400 lbs. | 2,400 lbs |
| Loaded | 4,800 lbs. | 4,800 lbs. |
| Total Weight (approx.) | 19,100 lbs. | 19,300 lbs. |

DIMENSIONS

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M |
|-------|-------|--------|-------|--------|--------|--------|-------|--------|-------|-------|--------|--------|--------|
| 1325 | 1'-6" | 21'-9" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-2" | 1'-5" | 5'-0" | 10'-0" | 11'-9" | 11'-4" |
| 1326 | | | | | | 14'-2" | 7'-6" | | | 6'-0" | | | |
| 1400 | 1'-6" | 21'-9" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-2" | 1'-5" | 5'-0" | 10'-0" | 11'-9" | 11'-8" |
| 1401 | | | | | | 14'-2" | 7'-6" | | | 6'-0" | 12'-0" | | |



STORM TRACKER TRACK SYSTEM SPECIFICATIONS

| | 1325 (20" Auger) | 1400 (20" Auger) |
|-------------------------------|---------------------|---------------------|
| | 1326 (22" Auger) | 1401 (22" Auger) |
| Capacity | 1,325 Bushels | 1,375 Bushels |
| Auger, One Vertical | 20" or 22" Diameter | 20" or 22" Diameter |
| Unload Time | 2.6 or 2.2 minutes | 2.8 or 2.3 minutes |
| Tongue Weight | | |
| Empty | 2,400 lbs. | 2,400 lbs |
| Loaded | 4,800 lbs. | 4,800 lbs. |
| Total Weight (approx.) | 22,800 lbs. | 23,000 lbs. |
| Compaction Rate | | |
| (Ground Pressure) | 12.20 lbs/sq inch | 12.75 lbs/sq inch |

DIMENSIONS

| Model | A | B | C | D | E | F | G | H | I | J | K | L | M |
|-------|-------|--------|-------|--------|--------|--------|-------|--------|-------|-------|--------|--------|--------|
| 1325 | 1'-6" | 12'-2" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-3" | 1'-5" | 9'-0" | 12'-0" | 11'-9" | 11'-4" |
| 1326 | | | | | | 14'-2" | 7'-6" | | | | | | |
| 1400 | 1'-6" | 12'-2" | 8'-6" | 25'-6" | 34'-5" | 13'-4" | 6'-4" | 12'-3" | 1'-5" | 9'-0" | 12'-0" | 11'-9" | 11'-8" |
| 1401 | | | | | | 14'-2" | 7'-6" | | | | | | |

General Information

BOLT TORQUE CHART

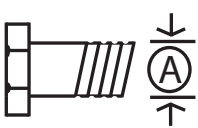
Always tighten hardware to these values unless a different torque or tightening procedure is listed for specific application.

Fasteners must always be replaced with the same grade as specified in the manual parts list.

Always use the proper tool for tightening hardware: SAE for SAE hardware and Metric for Metric hardware.

Make sure fastener threads are clean and you start thread engagement properly.

All torque values are given to specifications used on hardware defined by SAE J1701 & J1701M (JUL 96)



SAE SERIES TORQUE CHART



SAE Grade 2
(No Dashes)


SAE Bolt Head
Identification

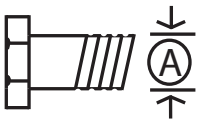


SAE Grade 5
3 Radial Dashes



SAE Grade 8
6 Radial Dashes

|  Diameter (Inches) | Wrench Size | MARKING ON HEAD | | | | | |
|---|----------------|-----------------|-----|----------|-----|----------|------|
| | | SAE 2 | | SAE 5 | | SAE 8 | |
| | | LBS.-FT. | N-m | LBS.-FT. | N-m | LBS.-FT. | N-m |
| 1/4 | 7/16" | 6 | 8 | 10 | 13 | 14 | 18 |
| 5/16 | 1/2" | 12 | 17 | 19 | 26 | 27 | 37 |
| 3/8 | 9/16" | 23 | 31 | 35 | 47 | 49 | 67 |
| 7/16 | 5/8" | 36 | 48 | 55 | 75 | 78 | 106 |
| 1/2 | 3/4" | 55 | 75 | 85 | 115 | 120 | 163 |
| 9/16 | 13/16" | 78 | 106 | 121 | 164 | 171 | 232 |
| 5/8 | 15/16" | 110 | 149 | 170 | 230 | 240 | 325 |
| 3/4 | 1-1/8" | 192 | 261 | 297 | 403 | 420 | 569 |
| 7/8 | 1-5/16" | 306 | 416 | 474 | 642 | 669 | 907 |
| 1 | 1-1/2" | 467 | 634 | 722 | 979 | 1020 | 1383 |



METRIC SERIES TORQUE CHART



Metric
Grade 8.8

Metric Bolt Head
Identification



Metric
Grade 10.9

| Diameter & (Millimeters) Thread Pitch | Wrench Size | COARSE THREAD | | | | FINE THREAD | | | | Diameter & (Millimeters) Thread Pitch |
|--|----------------|-------------------|-----|-------------|------|-------------------|-----|-------------|------|--|
| | | MARKING ON THREAD | | | | MARKING ON THREAD | | | | |
| | | Metric 8.8 | | Metric 10.9 | | Metric 8.8 | | Metric 10.9 | | |
| 6 x 1.0 | 10 mm | 8 | 6 | 11 | 8 | 8 | 6 | 11 | 8 | 6 x 1.0 |
| 8 x 1.25 | 13 mm | 20 | 15 | 27 | 20 | 21 | 16 | 29 | 22 | 8 x 1.0 |
| 10 x 1.5 | 16 mm | 39 | 29 | 54 | 40 | 41 | 30 | 57 | 42 | 10 x 1.25 |
| 12.1.75 | 18 mm | 68 | 50 | 94 | 70 | 75 | 55 | 103 | 76 | 12.1.25 |
| 14 x 2.0 | 21 mm | 109 | 80 | 151 | 111 | 118 | 87 | 163 | 120 | 14 x 1.5 |
| 16 x 2.0 | 24 mm | 169 | 125 | 234 | 173 | 181 | 133 | 250 | 184 | 16 x 1.5 |
| 18 x 2.5 | 27 mm | 234 | 172 | 323 | 239 | 263 | 194 | 363 | 268 | 18 x 1.5 |
| 20 x 2.5 | 30 mm | 330 | 244 | 457 | 337 | 367 | 270 | 507 | 374 | 20 x 1.5 |
| 22 x 2.5 | 34 mm | 451 | 332 | 623 | 460 | 495 | 365 | 684 | 505 | 22 x 1.5 |
| 24 x 3.0 | 36 mm | 571 | 421 | 790 | 583 | 623 | 459 | 861 | 635 | 24 x 2.0 |
| 30 x 3.0 | 46 mm | 1175 | 867 | 1626 | 1199 | 1258 | 928 | 1740 | 1283 | 30 x 2.0 |

TIGHTENING WHEEL NUTS

Standard 3/4" wheel studs and nuts should be tightened to torque 500 Ft.-Lbs. and standard 22mm studs with should be tightened to torque 700 Ft.-Lbs. During initial operation of the grain cart and then checked for proper torque after every 10 hours of use. Failure to do so may damage wheel nut seats. Once seats are damaged, it will become impossible to keep nuts tight.

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ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!



Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be erased by an operator's single careless act. In addition, hazard control and accident prevention are dependent upon the awareness, concern, judgment, and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

Make certain that the operator(s), prior to operating is instructed in safe and proper use and reviews and understands the manual(s) pertaining to this machine. Also make certain that the operator(s) reviews and understands the operator's manual of the tractor prior to hooking up or operating the grain cart.

Read this manual before you operate this machine. If you do not understand any part of this manual, or need more information, contact the manufacturer or your authorized dealer.

SAFETY

Understand that your safety and the safety of other persons is measured by how you service and operate this machine. Know the positions and functions of all controls before you try to operate them. Make sure to check all controls in a safe area before starting your work.

The safety information given in this manual does not replace safety codes, federal, state or local laws. Make certain your machine has the proper equipment as designated by local laws and regulations.

A frequent cause of personal injury or death is from persons falling off equipment and being run over. Do not permit persons to ride on this machine.

Travel speeds should be such that complete control and machine stability is maintained at all times. Where possible, avoid operating near ditches, embankments and holes. Reduce speed when turning, crossing slopes and rough, slick or muddy surfaces.

Collision of high speed road traffic and slow moving machines can cause personal injury or death. On roads, use flasher lights according to local laws. Keep slow-moving-vehicle emblem visible. Pull over to let faster traffic pass.

Hydraulic oil leaking under pressure can penetrate skin and cause infection or other injury. To prevent personal injury,

- Relieve all pressure, before disconnecting fluid lines,
- Before applying pressure, make sure all connections are tight and components are in good condition,
- Never use your hand to check for suspected leaks under pressure. Use a piece of cardboard or wood for this purpose.
- If injured by leaking fluid, see your doctor immediately.

When transporting the grain cart, always keep the auger in the stow position.

Use care when moving or operating the grain cart near electric lines, as serious injury or death can result from contact.

Never adjust, service, clean, or lubricate the grain cart until all power is shut off. Keep all safety shields in place. Keep hands, feet, hair and clothing away from moving parts while the grain cart is in operation.

The service ladder is for service work only. If you must climb into the grain tank, be certain that all power is shut off and then use extreme caution when climbing into the grain cart.

Make sure that everyone is clear of equipment before applying power or moving the machine.

Make sure that the grain cart is fastened securely to the tractor by using a high strength hitch pin, clip and safety chains. Make sure that the grain cart hitch properly matches the hitch type of the tractor. Use a single prong (spade) grain cart hitch with a double prong (clevis) tractor hitch. Use a double prong (clevis) grain cart hitch with a single prong (spade) tractor hitch.

Before filling the grain cart, make certain that no one is inside the grain tank. Never allow children or anyone in, near, or on the grain cart during transport or during loading and unloading of grain. Be aware that moving grain is dangerous and can cause entrapment, resulting in severe injury or death by suffocation.

Never operate the auger system with anyone inside the grain tank. Hands, feet, hair and clothing can fit through the openings in and around the grate. Contact with the auger can cause severe injury or death. Make certain that all power is shut off before service work is performed.

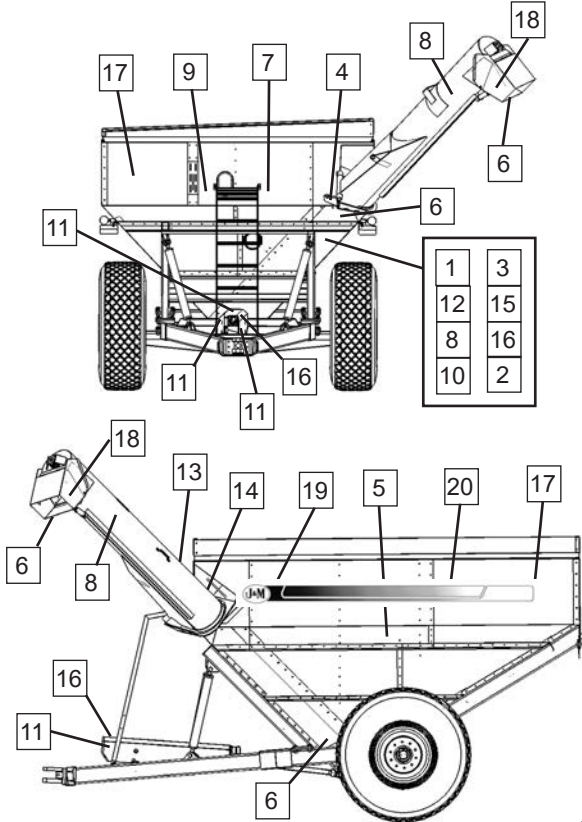
Before unhooking the grain cart from the tractor, be sure the jack stand is properly mounted and in place and the wheels are properly blocked to prevent the cart from moving.

Safety Rules

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

Replace Immediately If Damaged or Missing

IMPORTANT: Install new safety signs if the old signs are destroyed, lost, painted over or cannot be read. When parts are replaced that have safety signs, make sure you install a new sign with each new part. New signs are available from the manufacturer or your authorized dealer.



| # | Part # | Description |
|----|-----------|----------------------------|
| 1 | JM0018044 | Operating Instructions |
| 2 | JM0010163 | Warning, High Pressure |
| 3 | JM0014979 | Warning, General |
| 4 | JM0018039 | Warning, Keep Hands Away |
| 5 | JM0010150 | Warning, Lug Nuts |
| 6 | JM0018035 | Danger, Keep Hands Away |
| 7 | JM0018034 | Danger, Keep Off Ladder |
| 8 | JM0015099 | Danger, Electric Lines |
| 9 | JM0018033 | Danger, Do Not Enter Tank |
| 10 | JM0018037 | Danger, Suffocation |
| 11 | JM0018036 | Danger, Rotating Driveline |
| 12 | JM0018038 | Farm Use Only |
| 13 | JM0025433 | Open |
| 14 | JM0025434 | Closed |
| 15 | JM0025435 | Check PTO Overlap |
| 16 | JM0018043 | Warning, Check Lug Nuts |
| 17 | JM0015151 | J&M Oval Decal, Large |
| 18 | JM0010179 | J&M Oval Decal, Medium |
| 19 | Specify | OAS Black Fade Stripe |
| 20 | Specify | AS Black Fade Stripe |



ENG-120



ENG-119



ENG-117



ENG-118

FOR FARM USE ONLY

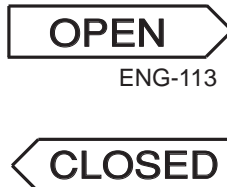
ENG-112



ENG-110



ENG-111



ENG-113

ENG-114



ENG-115



ENG-116



ENG-104



ENG-105



ENG-109



ENG-108



ENG-107



ENG-106

IMPORTANT

OPERATING INSTRUCTIONS

- 1) With the gate indicator in the closed position, fill the box with grain.
- 2) With the PTO disengaged, fold the discharge auger to the upright position.
- 3) After the auger is in the upright position, start the PTO at a SLOW RATE OF SPEED until the pin on the upper auger engages the drive dog on the bottom auger (failure to follow this procedure may cause extensive damage to both the drive dog and the pin).
- 4) Increase PTO to the maximum r.p.m. speed and slowly open the inner gate until the pin is in the halfway position. When grain begins flowing from the discharge auger, adjust the gate to control the rate of flow (Do not slow the speed of the PTO).
- 5) To stop unloading, FIRST return the inner gate to the closed position. For complete clean-out, gradually close the gate. Allow the unloading auger to clean-out before disengaging the PTO. Disengage the PTO and allow the auger to come to a complete stop. Fold the upper auger to the slow position.

ENG-101



ENG-102



ENG-103

Initial Operation and Maintenance

WARNING

BE CERTAIN THAT ALL POWER IS SHUT OFF BEFORE SERVICING THE GRAIN CART.

Before the grain cart is put into service:

Have the safety instructions been read and clearly understood by the operator(s) of this machine?

Has the gearbox been properly filled with EP-80-90 gearbox lubricant?

Have all nuts, bolts, bearings and braces been properly fastened?

Has the PTO been checked for proper overlap?

IMPORTANT: Has the slip clutch on the PTO been serviced? If the slip clutch is left unchecked, damages to the power-take-off and drive shaft may result. Before using the grain cart, loosen the bolts around the slip clutch. Make sure the friction plates turn free of each other and are not corroded together. Re-tighten the tension bolts. Run the auger system EMPTY and check for proper engagement of the slip clutch.

CHECK PTO OVERLAP LENGTH. Overlap length may vary depending on the tractor model and hitch setting. Try to obtain the greatest possible overlap without bottoming out in the extreme operating conditions. Too much overlap may cause the PTO to bottom out and damage the driveline. Not enough overlap may cause the PTO front and back halves to separate. From the fully compressed (shortest) length the PTO should be telescoped (extended) between 10" and 22". Different PTO lengths may need to be purchased to accommodate your terrain. A 4" shorter or a 10" longer PTO can be ordered through your dealer from J&M Manufacturing.

GREASE BEARINGS: Are all bearings on the drive line properly greased? Are all set screws in the bearings and U-joints tight? Has the power-take-off shaft been properly greased at all points including the cross bearings? Has the universal joint at the gearbox been greased? Have all grease points at the auger hinge area, including the hanger bushing assembly been greased?

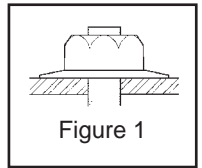
TIRE PRESSURE: Are the tires properly inflated? The following is to be used as a **general guide** for tire inflation for cyclic use. Figures can vary depending on specific brand of tire used. **It is important that tires are inspected before and after the unit is loaded. The tire should stand up with no side wall buckling or distress as the tire rolls. Do Not Exceed The Tire Pressure Indicated Below:**

| Tire Size | psi |
|-----------------|-----|
| 1250/50R32-R1-2 | 46 |
| 520/85R42-4 | 44 |

Operating Instructions

WHEEL NUTS: Are the wheel nuts properly fastened? **Torque to 700 Lbs.-Ft. for standard 22mm wheel studs and nuts. Torque to 500 Lbs.-Ft. for 3/4" wheel studs and nuts. Wheel studs and nuts should be checked after each load during initial operation of the cart and then after every 10 hours of use. Failure to do so may damage wheel studs and nuts.** Once the seats are damaged, it will become impossible to keep the lug nuts tight.

The drawing shows the proper way to mount the wheels using Budd-type nuts. The wheels supplied with your grain cart have straight holes and the Budd nuts will be mounted according to Figure 1. Wheels that are improperly installed on the grain cart, resulting in product failure, will nullify warranty and shift the burden of liability to the owner/operator. **We recommend you inspect your wheel nuts to make sure they are properly installed. Also, check the wheel nuts on a regular basis to ensure they are tight.**



LIGHTING AND SAFETY DECALS: Are the rear, amber extremity lights properly positioned? Extend the lights within 16" (40,6cm) of the left and right extremities of the grain cart. Is an SMV Emblem attached to the rear of the grain cart?

Are the lights working properly? Are all lights and reflective decals clean, visible and properly placed?

WARNING

BE CERTAIN THAT ALL POWER IS SHUT OFF WHEN HOOKING UP TO TRACTOR OR CONNECTING HYDRAULIC LINES TO TRACTOR.

Preparing the Grain Cart for Use: Models 1325, 1326, 1400, and 1401 requires a 250+ hp tractor or larger.

IMPORTANT: Do NOT pull a loaded grain cart on highway. For incidental highway travel, observe the section below.


Tow Loads Safely

Stopping distance increases with speed and weight of towed loads and on slopes. Towed loads with or without brakes that are too heavy for the tractor or are towed too fast, can cause loss of control. Consider the total weight of the equipment and its load.

Observe these recommended maximum road speeds, or local speed limits, which may be lower.

Road Travel (grain cart empty): Do not travel more than 32 km/hr (20 mph) and do not tow loads more than 1.5 times the pulling unit's weight.

Ensure the load does not exceed the recommended weight ratio. Use additional caution when towing loads under adverse surface conditions, when turning, and on inclines.

 **WARNING:** For greater stability on uneven or steep terrain, position non-scale wheel spindles at the furthest out setting.

IMPORTANT:

1) Connect grain cart hitch to tractor drawbar using a good quality hitch pin. Attach the safety chain to the tractor and around the A-frame of the cart as shown. Make sure the grain cart hitch properly matches the hitch of the tractor. Use a single prong (spade) grain cart hitch with a tractor double prong (clevis) hitch. Use a double prong (clevis) grain cart hitch with a single prong (spade) tractor hitch.



Safety Chain User Instruction

- Secure the safety chain by looping it around the each side of the grain cart as shown and connecting to the towing machine's attaching bar.
- Do Not allow any more slack than necessary for articulation (maximum 11 inches)
- Do Not use any intermediate support as the attaching point.
- Store the safety chain by securing it around the main axle A-frame of the grain cart.
- Replace the safety chain if one or more links or end fittings are broken, stretched or otherwise damaged or deformed.

2) Attach the power-take-off shaft to the tractor. The PTO must have at least 10" of engagement. Check tractor drawbar for clearance and length and adjust if necessary. **Make sure the PTO does not bottom out when making sharp turns as it may bend the drive shaft.**

3) Make sure the jack stand is removed from the lower support position before the cart is moved. **Never use the jack to support a loaded grain cart.**

Operating Instructions (Continued)

- 4) Be sure that no debris or foreign objects are in the grain cart.
- 5) Attach the hydraulic lines to the tractor. Two hydraulic lines (green band) operate the inside gate mechanism. Connect these lines to one service outlet on the tractor. Two hydraulic lines (yellow band) operate the folding mechanism of the auger. Connect these lines to a second service outlet on the tractor. The remaining two hydraulic lines (red band) operate the hydraulic flow control spout located at the end of the upper auger. Connect these lines to a third service outlet on the tractor. Make sure the air is bled from the hydraulic cylinders and hoses.
- 6) Run the auger system EMPTY before loading grain into the tank for actual use. Make certain that the slip clutch is operating and that the upper and lower augers are properly engaged.
- 7) Connect the lighting 7-prong connector end on the main wiring harness to the tractor electrical outlet. Make sure that all flasher and turn indicator lights are working properly before incidental highway travel.

CAUTION

- Do NOT operate the grain cart before reading and understanding the Operator's Manual and ALL danger, warning and caution signs.
- Be sure that a Slow-Moving-Vehicle emblem is attached to the rear of the grain cart.
- Never exceed 1,000 rpm on the PTO and driveline system.
- Never fold or extend the auger until the PTO has come to a complete stop.
- Never fill the grain cart unless the gate indicator is in the closed position.
- Never allow foreign objects (shovels, etc.) to be placed inside the grain cart.
- Never engage the lugs and drive dogs on the augers when the system is moving at a high rate of speed.
- Never perform maintenance work or service the grain cart with the tractor running.

Loading and Unloading the Grain Cart

- 1) With the gate indicator in the closed position, fill the tank with grain.
- 2) With the PTO disengaged, fold the discharge auger to the upright position.
- 3) **IMPORTANT:** After the upper auger is in the upright position, be sure to start the PTO at a SLOW RATE OF SPEED until the lugs on the upper auger engage the drive dog on the bottom auger. Failure to follow this procedure may cause extensive damage to both the drive dog and the drive line.
- 4) Increase the PTO speed and slowly open the inside tank gate until the gate indicator rod located above the upper auger is halfway between the Open and Closed position. When grain begins flowing from the discharge auger, continue to open the gate to obtain the desired unload rate.
- 5) To stop unloading grain, return the inside tank gate to the closed position and allow the material inside the auger to unload. **For complete cleanout, gradually close the inside tank gate.** Once the grain has ceased to flow, disengage the PTO and allow its rotation to come to a complete stop. The upper auger is now ready to be returned to the stow position. **IMPORTANT:** Do Not Pull the grain cart through the field with the unloading auger in the upright position. Failure to return the auger to the lowered stow position may damage the hinge and greatly reduce the life of the auger system.

Lubrication Service Schedule

IMPORTANT: Your grain cart has grease fittings at all critical points. These should be serviced before the grain cart is put into operation.

⚠ WARNING

BE CERTAIN THAT ALL POWER IS SHUT OFF BEFORE SERVICING THE GRAIN CART

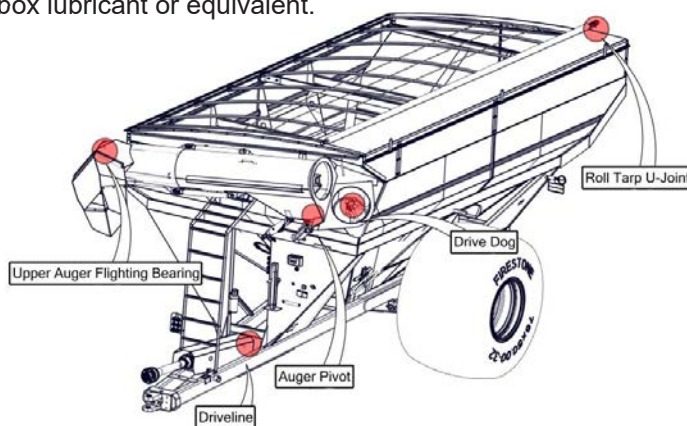
PTO & DRIVELINE: The grease fittings on the PTO should be serviced after every 8 hours of use. Service the grease fittings on each of the drive bearings and also the universal joint after every 8 hours of use.

AUGER FOLDING MECHANISM: One grease fitting is located on the pivot pin of the folding auger. This fitting should be serviced after every 8 hours of use. Service the grease fitting on the hanger bushing assembly (top end of the lower auger assembly) after every 8 hours of use or as needed.

SPRING LOADED UPPER AUGER BEARING: Service the grease fitting on the upper auger bearing (located at the top end of the upper auger assembly) after every 8 hours of use. Lubricate the springs and retaining bolts on the bearing before prolonged storage of the grain cart.

GEARBOX: Gearbox lubricant has been added to the gearbox during final assembly. Re-check the lubricant level before initial operation of the grain cart, then periodically according to use. An inspection plug is located in the center of the top of the gearbox mount plate. To check the fluid level, remove the vented inspection plug and drain plug at the bottom of the gearbox. Drain the lubricant. Return the drain plug and refill the gearbox. (18" or 20" auger carts get 24 ounces 0,71 liters)(22" auger carts get 3 quarts or 96 ounces) of gearbox lubricant. The gearbox is properly filled when half full of lubricant. DO NOT OVERFILL. Use EP 80-90 gearbox lubricant or equivalent.

| | |
|-----------------------|--------------------|
| Roll Tarp U-Joint | Once Annually |
| Upper Auger Flighting | Every 8hrs of use. |
| Auger Pivot | Every 8hrs of use. |
| Driveline | Every 8hrs of use. |
| Drive Dog | Every 8hrs of use. |



Routine Maintenance

⚠ WARNING

BE CERTAIN ALL POWER IS SHUT OFF WHEN SERVICING THE GRAIN CART

- Re-pack the wheel bearings at least once a year. Use Bearing Gard MK1 or equivalent lubricant. Also check the seal for wear and replace if necessary.
- Check the grain cart periodically for cracks in welds and for other structural damage. Have cracked welds fixed immediately. Failure to do so could result in extensive damage to the grain cart and greatly reduce the life of the cart.
- Lubricate the slides on the clean-out door.
- Check all hydraulic hoses for wear and replace as necessary.
- Make sure all tires are properly inflated. See INITIAL OPERATION AND MAINTENANCE in the Owner's Manual for recommended instructions for tire pressure. It is important that tires are inspected before and after unit is loaded.
- Check PTO for wear of plates in the slip clutch. Replace if needed.
- Make sure that all guards and shields are in place before operating the grain cart.
- Make sure wheel nuts are tight before operating the grain cart. Wheel Nuts should be checked during initial operation of the cart and after every 10 hours of use.
- Make sure set screws are tight in bearings along drive line and in U-joints.

Trouble Shooting

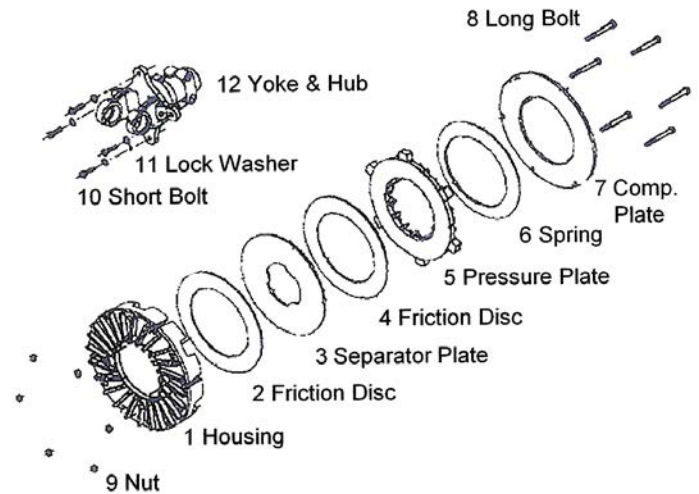
WARNING

MAKE SURE THAT ALL POWER IS SHUT OFF BEFORE SERVICING THE GRAIN CART. MAINTENANCE AND REPAIR SERVICE WORK TO BE PERFORMED BY QUALIFIED SERVICEMEN ONLY.

| Trouble... | Possible Cause... | Possible Remedy... |
|--|---|--|
| Auger will not return to down position or move from stow position. | Dirt In Restrictor (see pg. 14) | Remove restrictor fittings from outside hydraulic cylinder and clean out dirt |
| | Faulty Check Valve | Replace Check Valve |
| | Upper flighting and lower flighting are locked together (see pg. 14) | Bearing on top of upper auger flighting need adjusting. When the auger is in the engaged position, there must be 1/8" (0,32cm) gap between bottom of top bearing and top of upper tube housing (SEE ADJUSTING THE UPPER AUGER FLIGHTING) |
| Hanger Bushing Assembly at the top of the lower auger flighting is hot | Top of the hanger bushing assembly is rubbing against the drive dog (See pg.13) | Loosen the two bolts and re-adjust the position of the hanger bushing assembly. Re-tighten bolts. |
| | | Remove the lower flighting assembly and place a shim between the spline coupler and the gearbox. |
| Excessive Vibration | Auger flighting or shaft is bent | Straighten or replace auger flighting |
| | Drive shaft is bent | Replace or straighten drive shaft |
| Grain flow stoppage | Bolt sheared in drive dog | Replace bolt in drive dog. Engage upper and lower flighting at a slow rate of speed. (Drive dogs and lugs are being engaged too fast.) |
| | Folding auger before complete stop | Upper and lower flightings are disengaging before auger comes to a complete stop. Replace bolt in the drive dog. Never engage or disengage the upper and lower flightings until the augers come to a complete stop. |
| | PTO key sheared | Replace key and tighten set screw. |
| Auger tube is breaking away from the grain cart at the hinge area or the ram in the hydraulic folding cylinder is bent | Upper auger is extended in the upright position while traveling in the field | Repair or replace folding cylinder if necessary. Remember to lower auger to the field position after unloading. |

Adjusting the Slip Clutch

- 1) Make sure the tractor is off and the PTO is disengaged.
- 2) Disconnect the driveline from the tractor.
- 3) Locate the (6) bolts (Item 8) on the O.D. of the clutch pack. Loosen the bolts until they rotate freely, finger tighten each bolt, and then tighten each bolt one half turn.
- 4) Attach the implement to the tractor with a hitch pin, and the drive line to the tractor PTO shaft.
- 5) Start the tractor. Engage the PTO and run a few seconds, or until the friction clutch visibly smokes.
- 6) Disengage the tractor PTO and shut the tractor off.
- 7) Disconnect the driveline from the tractor.
- 8) Tighten the (6) bolts (Item 8) on the O.D. of the clutch pack until the compression plate (Item 7) is in contact with the housing (Item 1), then keep tightening each bolt to 30 ft. lbs.
- 9) Locate the (4) bolts (Item 10) that attach the yoke & hub (Item 12) to the clutch pack and check that each bolt is tightened to 30 ft. lbs.



Adjusting the Lower Flighting and Hanger Bushing Assembly

WARNING

MAKE SURE THAT ALL POWER IS SHUT OFF BEFORE ADJUSTING THE FLIGHTING ASSEMBLY.

If the drive-dog and hanger assembly are becoming excessively hot during unloading, the lower flighting and/or hanger may need adjusting. The hanger bushing assembly has elongated holes where it attaches to the outer tube assembly. Loosen the two 3/8" bolts on the hanger bushing assembly. Adjust the hanger either up or down and vertically center it between the flighting and drive dog. Re-tighten the bolts. Make certain that the flighting center and drive-dogs do not rub the hanger bushing assembly, causing them to become hot.

If the hanger can no longer be adjusted by moving it up or down on the elongated holes, both the hanger bushing assembly and the lower flighting will have to be removed. See instructions on pg. 36 for flighting removal. After removing them from the tube assembly, place a shim [between 1/8" (0,32cm) to 3/16" (0,48cm) thick] where the gearbox and the spline coupler (welded to the lower flighting). Replace the lower flighting and reattach the hanger to the tube assembly. Readjust the hanger assembly. NOTE: The bottom of the lower flighting is not attached to the gearbox with any bolts or set screws but may be 'frozen' fast. Be careful when removing the lower flighting from the gearbox. For easier removal of the lower flighting, keep the gearbox at the bottom intact, remove the 2 3/8" bolts from the hanger bushing assembly and pull the lower flighting off of the gearbox.

After adjusting the lower flighting, move the upper auger to the unload position and check the upper flighting for readjustment.

Adjusting the Upper Flighting

WARNING

MAKE SURE ALL POWER IS SHUT OFF BEFORE ADJUSTING THE FLIGHTING ASSEMBLY

If the upper and lower augers do not properly separate during the unfolding sequence, the upper flighting may need adjusting. Before making adjustment to the upper flighting, check to see if the lugs and drive dogs on the auger assemblies are locking together. If they are not locked together, check to see if dirt is in the restrictor or if a faulty check valve on the hydraulic cylinder used to raise and lower the upper auger assembly may be causing the problem. If dirt is in the restrictor, see "Removing Dirt From Restrictors On Hydraulic Cylinders" below.

Fold the upper tube assembly into the upright position. Position the upper flighting in the engaged position with the lower flighting. Locate the four-hole flange bearing on the top of the upper auger tube housing. With the upper flighting in the engaged position, check the spacing between the upper bearing and the upper tube housing. There must be an 1/8" (0,32cm) space between the base of the four-hole flange bearing and the upper tube housing. If there is NOT a space between the bearing and the upper tube housing, or if there is more than 1/8" (0,32cm) space, the upper flighting will need to be adjusted. To adjust the upper flighting, loosen the 1 1/4" hex nuts both above and below the four-hole flange bearing. Move the 1 1/4" hex nuts up or down the threaded shaft on the top of the auger flighting shaft until the bearing moves to approximately 1/8" (0,32cm) above the base of the upper tube housing. When the four-hole flange bearing is properly located, tighten both 1 1/4" hex nuts together to secure the bearing position.

If the upper and lower flighting still does not separate properly during the folding sequence, a small bevel may need to be removed from the inside of the lugs where they engage the drive dogs on the auger assemblies. Grind approximately 1/8" (0,32cm) from the corner of the lugs where they touch against the drive dogs.

Removing Dirt From The Restrictors On The Hydraulic Cylinder

WARNING

MAKE SURE THAT ALL POWER IS SHUT OFF AND THE UPPER AUGER TUBE IS IN THE DOWN POSITION BEFORE REMOVING THE RESTRICTORS

Remove restrictors from the 90 degree street elbow on the hydraulic cylinder. Remove dirt from the fitting to allow hydraulic oil to flow through the restrictor. Reattach the restrictor to the street elbow. Use teflon sealant tape or equivalent on the threads of the restrictor before reattaching.

If the restrictor continues to plug with dirt, replace the restrictor or filter the hydraulic oil in your system.

Storage Preparation

IMPORTANT: When the grain cart is not going to be used for a period of time, store the cart in a dry, protected place. Leaving your grain cart outside, open to the weather will shorten its life.

Follow the procedure below when your grain cart is placed in storage for periods up to six months.

1. Cover electronic monitor (if equipped) with plastic before washing the grain cart. Wash or clean and completely lubricate the grain cart. See the lubrication service section in this manual.
2. Remove all grain from inside the grain tank, auger tube assemblies, and at the clean-out door.
3. Check the gearbox oil and replace with new EP 80-90 gearbox lubricant or equivalent if necessary.
4. Touch up areas where paint may have worn away. Use a good quality primer paint, especially before re-applying graphite paint to the interior slopes of the grain tank.
5. Retract all hydraulic cylinders to prevent the piston rods from rusting.
6. If the grain cart is equipped with an electronic weigh system, fully charge the battery to prevent freezing. Disconnect the negative (-) ground cable at the battery to prevent possible discharge.
7. Clean the tires before storage. Inflate the tires at regular intervals.
8. Open the clean-out door at the base of the grain tank.

Removing From Storage

- Check the gearbox to make sure it has the appropriate amount of oil.
- If equipped with an electronic scale system, check the battery and make sure that it is fully charged. Reconnect the negative (-) cable.
- Inflate the tires to the correct operating pressure.
- Close the clean out door at the base of the grain tank.
- Make sure all safety shields are in the proper position.

Repair Parts List and Diagrams

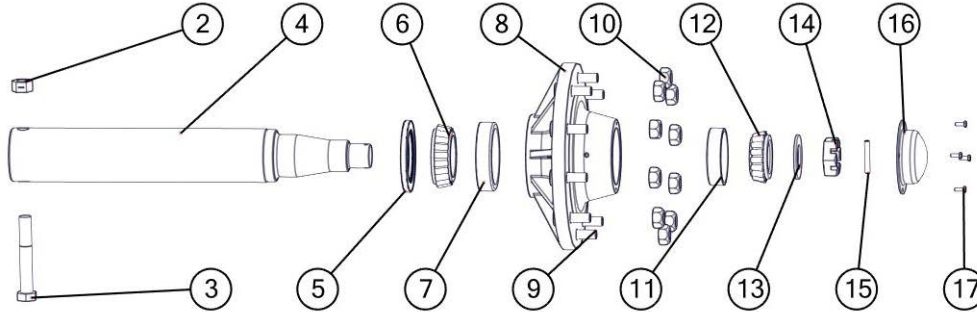
When performing maintenance work, wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing and head. Follow the Operator's Manual instructions to ensure safe and proper maintenance and repair.

Your local, authorized dealer can supply genuine replacement parts. Substitute parts may not meet original equipment specifications and may be dangerous.

⚠ WARNING

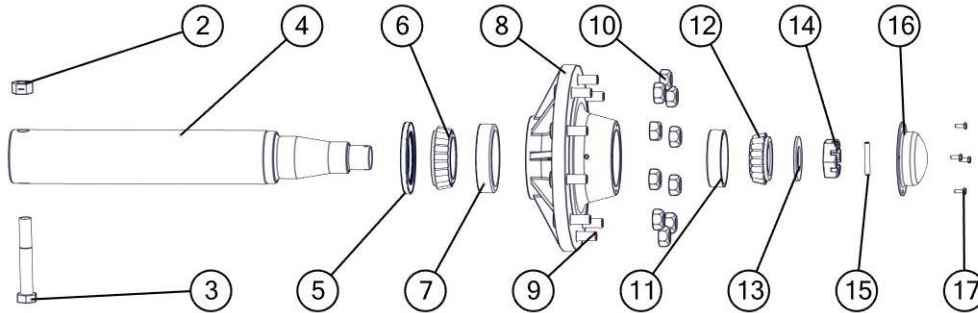
MAKE SURE ALL POWER IS SHUT OFF BEFORE PERFORMING ANY MAINTENANCE OR REPAIR WORK.

Hub & Spindle Assembly W-881 (WALKER)



| # | Description | Part. No. |
|----|---|-----------|
| 1 | Hub and Spindle Assembly Complete 20-1/4" (3/4" Studs) (HSA-650D) (Walking Tandem Duals)(FAA) | JM0019940 |
| 1 | Hub and Spindle Assembly Complete 30-1/2" (3/4" Studs) (Standard Axle) | JM0022057 |
| 1 | Hub and Spindle Assembly Complete 30-1/2" (22MM Studs) (Standard Axle) | JM0034488 |
| 1 | Hub and Spindle Assembly Complete 27-1/2" (3/4" Studs)(30.5 Tire & Smaller) (Fully Adjustable Axle) | JM0034483 |
| 1 | Hub and Spindle Assembly Complete 27-1/2" (22MM Studs)(900 Tire & Larger) (Fully Adjustable Axle) | JM0034354 |
| 2 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 3 | 1" x 7" Gr5 Z Hex Bolt (165400) | JM0016689 |
| 4 | 4-1/2" Spindle x 30-1/2" (281900) | JM0018794 |
| 4 | 4-1/2" x 27-1/2" Spindle | JM0007132 |
| 4 | 4-1/2" x 20-1/4" Spindle (1144 Stress-Proof) | JM0019937 |
| 5 | Seal (6" OD - 3-3/4" ID) for hub w/ scales (since March 2000)(750-35) | JM0021456 |
| 5 | Seal (6" OD) 1-906979 (CR-43771) | JM0018955 |
| 6 | Large Bearing (910346) | JM0018849 |
| 7 | Large Race (HM218210) | JM0018848 |
| 8 | Hub with large and small races, 3/4" studs & nuts (13.19 bolt circle) (11.13 pilot)(W-881) | JM0020510 |
| 8 | Hub with large and small races, 22MM studs & nuts (13.19 bolt circle) (11.13 pilot)(W-881) | JM0034356 |
| 9 | 3/4"-16 Wheel Stud (913564) | JM0018957 |
| 9 | 22mm Wheel Stud | JM0019178 |
| 10 | 3/4"-16 Wheel Nut (913571) | JM0018958 |
| 10 | 22mm Wheel Nut | JM0019192 |
| 11 | Small Race (HM212011) | JM0018854 |
| 12 | Small Bearing (910347) | JM0018852 |
| 13 | Spindle Washer (913635) | JM0015900 |
| 14 | Large Castle Nut (912973) | JM0015899 |
| 15 | Cotter Pin (905945) | JM0018956 |
| 16 | Dust Cap (909921) | JM0018954 |
| 17 | 1/4"-20 X 1" Gr5 Z Hex Bolt (141G5B) | JM0002095 |

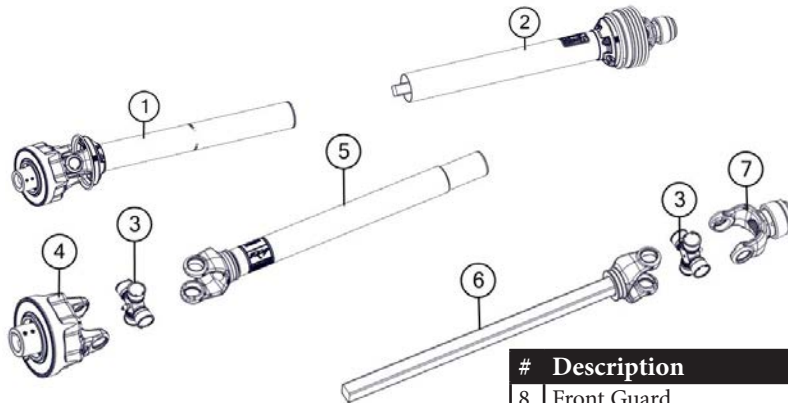
HUB & SPINDLE ASSEMBLY 250-10
Grain Carts with 6" Diameter Spindles



| # | Description | Part. No. |
|----|---|-----------|
| 1 | Hub and Spindle Assembly Complete with 3/4"-16 Studs and Nuts (HSA-1075-34) | JM0025709 |
| 1 | Hub and Spindle Assembly Complete with 22MM Studs and Nuts (HSA-1075-22) | JM0019927 |
| 2 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 3 | 1"-8 X 8" Gr5 Z Hex Bolt (165450) | JM0001487 |
| 4 | 6" Spindle - 29-3/4" Long (628) | JM0019102 |
| 5 | Seal 55179 (Type C) for G250-10, G300-10B, Spring-assisted (CR55179) | JM0019179 |
| 6 | Large Bearing (71455) | JM0019112 |
| 7 | Large Race (71750) | JM0019198 |
| 8 | Hub with studs & nuts (13.19 bolt circle) (11.13 pilot) | JM0019300 |
| 8 | Hub with large and small races 3/4"-16 Studs & Nuts (1050 & 1075 Carts prior to 2006) (H25000-34) | JM0019927 |
| 9 | Stud 22MM 1.5 x 9MM 3.55L 1.005 Knurl (22-MMS) | JM0019178 |
| 9 | 3/4"-16 Wheel Stud (for 1050 and 1075 carts prior to 2006)(750-35) | JM0025710 |
| 10 | 22 MM Lug Nut (22-MMNW) | JM0019192 |
| 10 | 3/4"-16 Wheel Nut (for 1050 and 1075 carts prior to 2006)(913571) | JM0018958 |
| 11 | Small Race (653) | JM0019195 |
| 12 | Small Bearing (663) | JM0019177 |
| 13 | Large Spindle Washer (913632) | JM0019106 |
| 14 | Large Castle Nut (SF-2512) | JM0019108 |
| 15 | 3/8" X 3-1/2" Z Roll Pin (3754) | JM0020001 |
| 16 | 6" Diameter Spindle Dust Cap (D-25000) | JM0019109 |
| 17 | 1/4"-20 x 1" Gr5 Z Hex Bolt (141G5B) | JM0002095 |

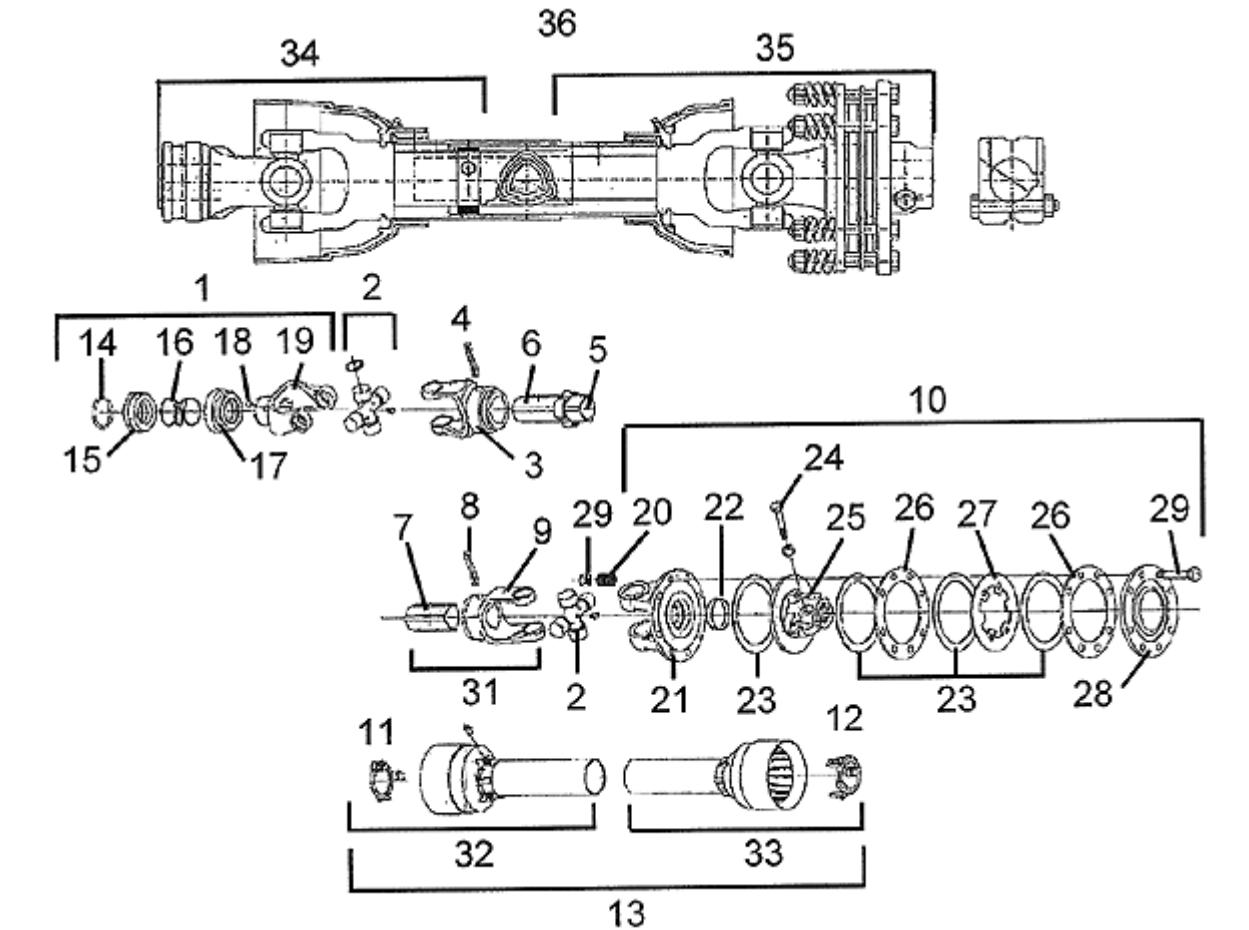
Power Take-Off (PTO) Shaft Assembly
1-3/4" & 1-3/8" Weasler Automatic Clutch - Black in Color

| # | Description | Part. No. |
|---|----------------------------|-----------|
| 1 | Back Half PTO | JM0018513 |
| 1 | Back Half PTO (XL) | JM0030331 |
| 2 | 1-3/4" Front Half PTO | JM0018514 |
| 2 | 1-3/4" Front Half PTO (XL) | JM0030330 |
| 2 | 1-3/8" Front Half PTO | JM0024367 |
| 2 | 1-3/8" Front Half PTO (XL) | JM0030640 |
| 3 | 55ECross Kit | JM0018449 |
| 4 | Auto Clutch | JM0018500 |
| 5 | Yoke, Tube & Sleeve | JM0018519 |
| 5 | Yoke, Tube & Sleeve (XL) | JM0031647 |
| 6 | Yoke & Shaft Assembly | JM0018520 |
| 6 | Yoke & Shaft Assembly (XL) | JM0031648 |
| 7 | 1-3/4" Spring Lock Yoke | JM0018506 |
| 7 | 1-3/8" Spring Lock Yoke | JM0024353 |



| # | Description | Part. No. |
|---|--------------------------|-----------|
| 8 | Front Guard | JM0018518 |
| 8 | Front Guard (XL) | JM0030642 |
| 8 | Back Guard | JM0018517 |
| 8 | Back Guard (XL) | JM0030645 |
| 9 | 1-3/4" PTO Complete | JM0018443 |
| 9 | 1-3/4" PTO Complete (XL) | JM0030332 |
| 9 | 1-3/8" PTO Complete | JM0024333 |
| 9 | 1-3/8" PTO Complete (XL) | JM0030641 |

Power Take-Off (PTO) Shaft Assembly
1-3/4" Comer - yellow in color

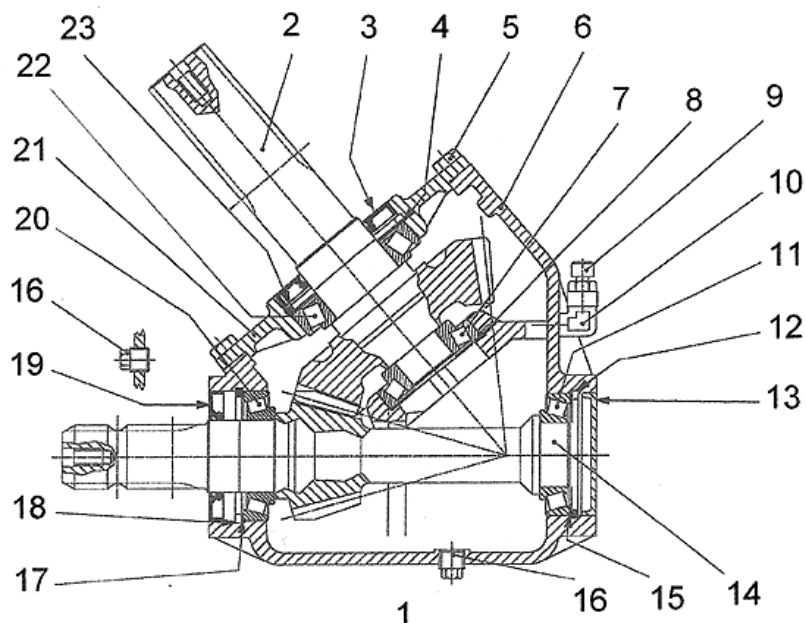


| # | Description | Part. No. |
|----|--------------------------------------|-----------|
| 1 | Complete Collar Yoke, 1-3/4" (28428) | JM0025180 |
| 1 | Complete Collar Yoke, 1-3/8" (28426) | JM0025181 |
| 2 | Cross Journal Set (18130) | JM0025144 |
| 3 | Outer Yoke (18133) | JM0025145 |
| 4 | Roll Pin for Outer Tube (00243) | JM0025146 |
| 5 | Bushing with Grease Nipple (18210) | JM0025147 |
| 6 | Complete Outer Tube (30710) | JM0025148 |
| 7 | Inner Tube (90010) | JM0025149 |
| 8 | Roll Pin for Inner Tube (00271) | JM0025150 |
| 9 | Inner Yoke (18134) | JM0025151 |
| 10 | Complete Slip Clutch (84033) | JM0025152 |
| 11 | Retain Collar for Outer Tube (19121) | JM0025153 |
| 12 | Retain Collar for Inner Tube (19122) | JM0025154 |
| 13 | Complete Guard (27820) | JM0025155 |
| 14 | Outer Circlip (00452) | JM0025156 |
| 15 | Sliding Sleeve Collar (16490) | JM0025157 |
| 16 | Spring (15107) | JM0025158 |
| 17 | Fixed Sleeve (16489) | JM0025159 |
| 18 | Ball 5/8" (00085) | JM0025160 |
| 19 | Yoke C15 (18428) | JM0025161 |

| # | Description | Part. No. |
|----|---|-----------|
| 20 | Spring (14022) | JM0025162 |
| 21 | Flanged Yoke (18016) | JM0025163 |
| 22 | Bushing (19019) | JM0025164 |
| 23 | Lining Ring (6" OD x 3-1/2" ID) | JM0025165 |
| 24 | Bolt M12 x 1.25 x 65 with Nut (00502) | JM0025166 |
| 25 | Clutch Support F40 (18453) | JM0025167 |
| 26 | Inner Plate (19014) | JM0025168 |
| 27 | Intermediate Plate (19115) | JM0025169 |
| 28 | Pressure Plate (19916) | JM0025170 |
| 29 | Bolt & Nut M10 x 100 (00548) | JM0025171 |
| 30 | Female Tube and Yoke (80039) | JM0025172 |
| 31 | Male Tube and Yoke w/Roll Pin (80529) | JM0025173 |
| 32 | Half Female Guarding (67820) | JM0025174 |
| 33 | Half Male Guarding (37820) | JM0025175 |
| 34 | Front Half PTO, 1-3/4" (21110) | JM0025176 |
| 34 | Front Half PTO, 1-3/8" (21110-138) | JM0025177 |
| 35 | Back Half of PTO with Clutch (36510) | JM0025178 |
| 36 | PTO Complete, 1-3/4" (CPTO-134) | JM0020024 |
| 36 | PTO Complete, 1-3/8" (CPTO-138) | JM0020021 |
| 37 | Tee Key for Plastic Retain Collar (PTK-2) | JM0025179 |

**130 Degree Gearbox Assembly for 22" Diameter Augers (Comer)
For Models 1326-22 & 1401-22 Grain Carts**

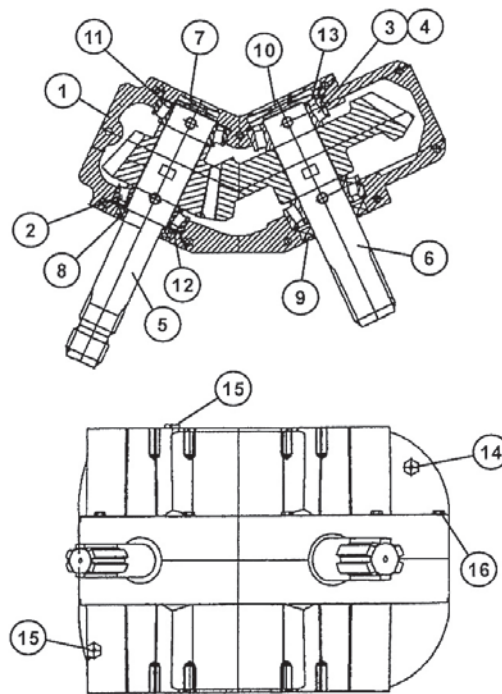
| # | Description | Part. No. |
|----|--|-----------|
| 1 | Gearbox Complete (T-325) | JM0025120 |
| 2 | 2" Output Shaft with 30 Tooth Gear (M56) | JM0025121 |
| 3 | Double Lip Seal (55X100) | JM0039281 |
| 4 | Shim (997) | JM0025123 |
| 5 | Bolt (M10X25) | JM0025124 |
| 6 | Casing (T325C) | JM0025125 |
| 7 | Bearing With Race (31307) | JM0025126 |
| 8 | Shim (677) | JM0025127 |
| 9 | Oil Fill Plug . Breather (386AS) | JM0025128 |
| 10 | 90 Degree Elbow (90EL) | JM0025129 |
| 11 | Bearing With Race (30209) | JM0025130 |
| 12 | Snap Ring (85UNI) | JM0025131 |
| 13 | End Cap (T-325EC) | JM0025132 |
| 14 | 1-3/4" Input Shaft with 15 Tooth Gear (Z15M56) | JM0025133 |
| 15 | Shim (847) | JM0025134 |
| 16 | Plug (38PL) | JM0025135 |
| 17 | Shim (897) | JM0025136 |
| 18 | Snap Ring (90UNI) | JM0025137 |
| 19 | Double Lip Seal (55X100) | JM0025138 |
| 20 | Bearing with Race (30210) | JM0025139 |
| 21 | Cover (T-325CO) | JM0025140 |
| 22 | Bearing with Race (30211) | JM0025141 |
| 23 | Snap Ring (100UNI) | JM0025142 |
| 24 | Seal Guard with 8MM Bolts (SG-8MM) | JM0025143 |



Takes 3 Quart (96 Ounces) of EP 80-90
Gearbox Lubricant.

**130 Degree Gearbox Assembly for 22" Diameter Augers (since 2009) (WEASLER)
For Models 1326-22 & 1401-22 Grain Carts**

| # | Description | Part. No. |
|----|---|-----------|
| 1 | Housing Set (70-001114) | JM0025053 |
| 2 | Bearing, 32210 (71-20017) | JM0025054 |
| 3 | Bearing Cone, 3780 (71-20044) | JM0025055 |
| 4 | Bearing Cup, 3720 (71-20033) | JM0025056 |
| 5 | 1-3/4" Input Shaft & Gear Assembly (74-60123) | JM0025057 |
| 6 | 2" Output Shaft & Gear Assembly (74-60125) | JM0025058 |
| 7 | End Cap Seal, 2" x .276" (71-40016) | JM0025060 |
| 8 | Seal, 1.75" x 2.717 x .513 (71-40052) | JM0025061 |
| 9 | Seal, 2 x 3.196 x .433 (71-40080) | JM0025062 |
| 10 | End Cap Seal, 3.19 x .315 (71-40079) | JM0025063 |
| 11 | Spacer (71-50160) | JM0025064 |
| 12 | Spacer (71-50161) | JM0025065 |
| 13 | Spacer (71-50172) | JM0025066 |
| 14 | 1/2" Bushing 1/8" Relief Plug (72-20011) | JM0025067 |
| 15 | 1/2" Pipe Plug (72-20007) | JM0025068 |
| 16 | Cap Screw 3/8"-16 UNC x 2.52" (72-0002) | JM0025069 |
| 17 | 130 Degree Gearbox Complete (130-22W) | JM0018677 |

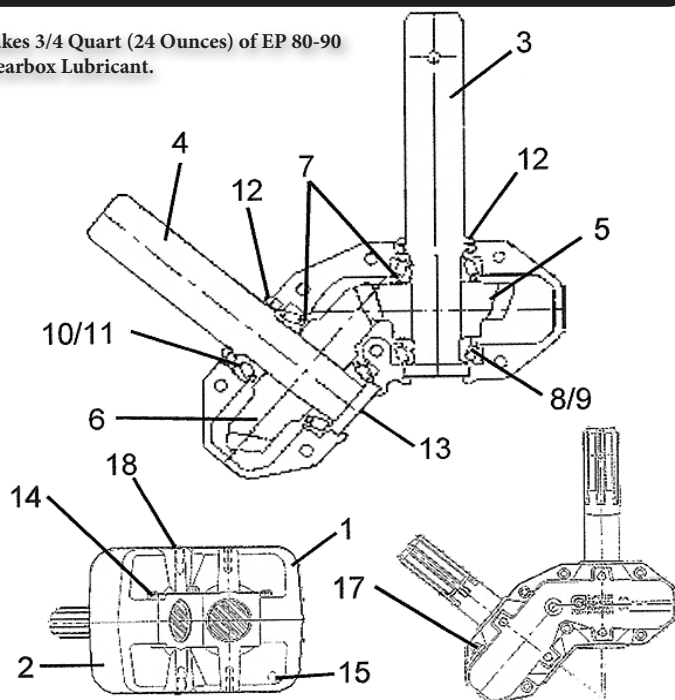


Takes 3 Quart (96 Ounces) of EP 80-90
Gearbox Lubricant.

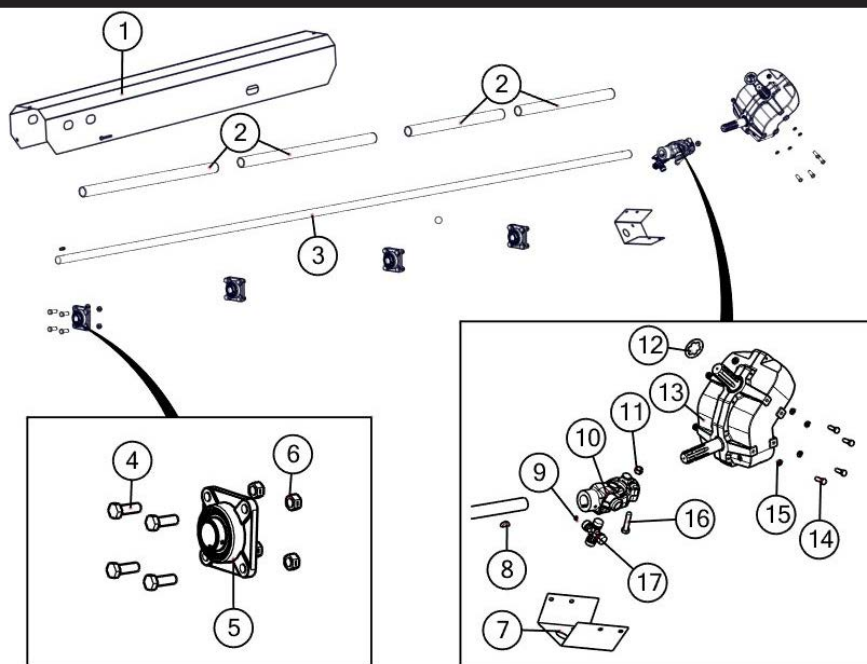
130 Degree Gearbox Assembly For 20" Diameter Augers (SUPERIOR)

| # | Description | Part. No. |
|----|--------------------------------------|-----------|
| 1 | Casting, Upper Half (A0150) | JM0025088 |
| 2 | Casting, Lower Half (A0149) | JM0025089 |
| 3 | 1-3/4" Input Shaft (A0142) | JM0025090 |
| 4 | 1-3/4" Output Shaft (A0143) | JM0025091 |
| 5 | 18 Tooth Gear (H61S18) | JM0025092 |
| 6 | 29 Tooth Gear (H61S29) | JM0025093 |
| 7 | Shim, Arbor (H00101-01) | JM0025094 |
| 8 | Bearing, Cup (414276) | JM0025077 |
| 9 | Bearing, Cone (514137) | JM0025078 |
| 10 | Bearing, Cup (413620) | JM0025095 |
| 11 | Bearing, Cone (413687) | JM0025096 |
| 12 | Seal (617285) | JM0025097 |
| 13 | End Cap (400301) | JM0025076 |
| 14 | Bolt (438225) | JM0025085 |
| 15 | Plug (400300) | JM0025080 |
| 16 | Bushing (4003VB) | JM0025073 |
| 17 | Plug, Vent (2003PR) | JM0025081 |
| 18 | Plug (200300) | JM0025075 |
| 19 | 130 Degree Gearbox Complete (H130-9) | JM0017840 |

Takes 3/4 Quart (24 Ounces) of EP 80-90 Gearbox Lubricant.



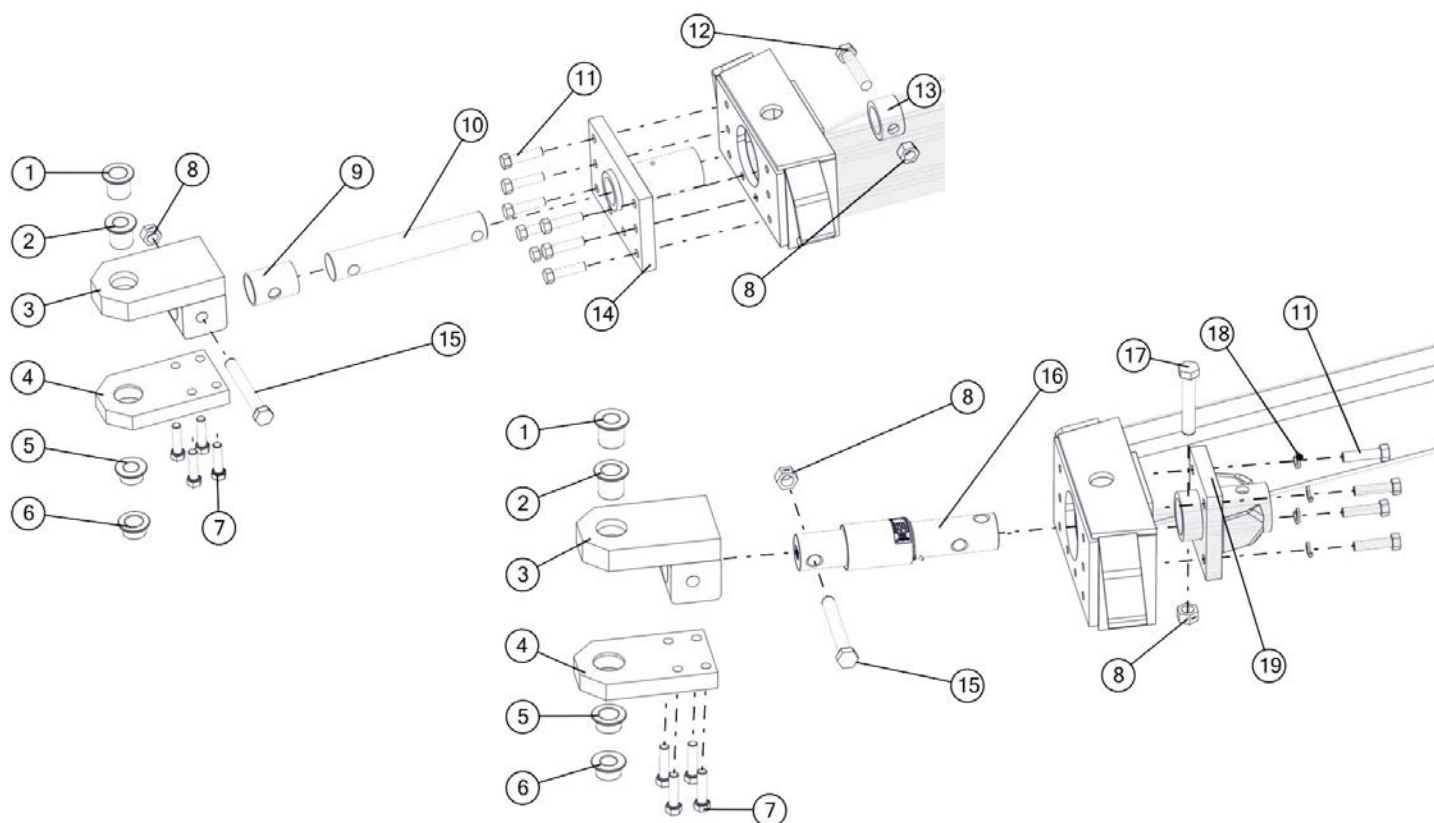
Drive Line Assembly



| # | Description | Part. No. |
|---|---|-----------|
| 1 | Driveline Shield, 1325, 1326, 1400, 1401 | JM0017577 |
| 2 | 40" Driveline Cover PVC | JM0027151 |
| 3 | 190" Driveline, 1325, 1326, 1400, 1401 Since January 2011 | JM0026235 |
| 3 | 193" Driveline, 1325, 1326, 1400, 1401 Prior to January 2011 | JM0018655 |
| 4 | 5/8"-11 x 1-3/4" Gr5 Z Hex Bolt | JM0016681 |
| 5 | 1-3/4" Flange Bearing 4 Hole | JM0018774 |
| 6 | 5/8"-11 Gr5 Z Centerlock Hex Nut | JM0002146 |
| 7 | Knuckle Guard | JM0012698 |
| 8 | Driveline Key 3/8" x 1-1/2" | JM0018772 |

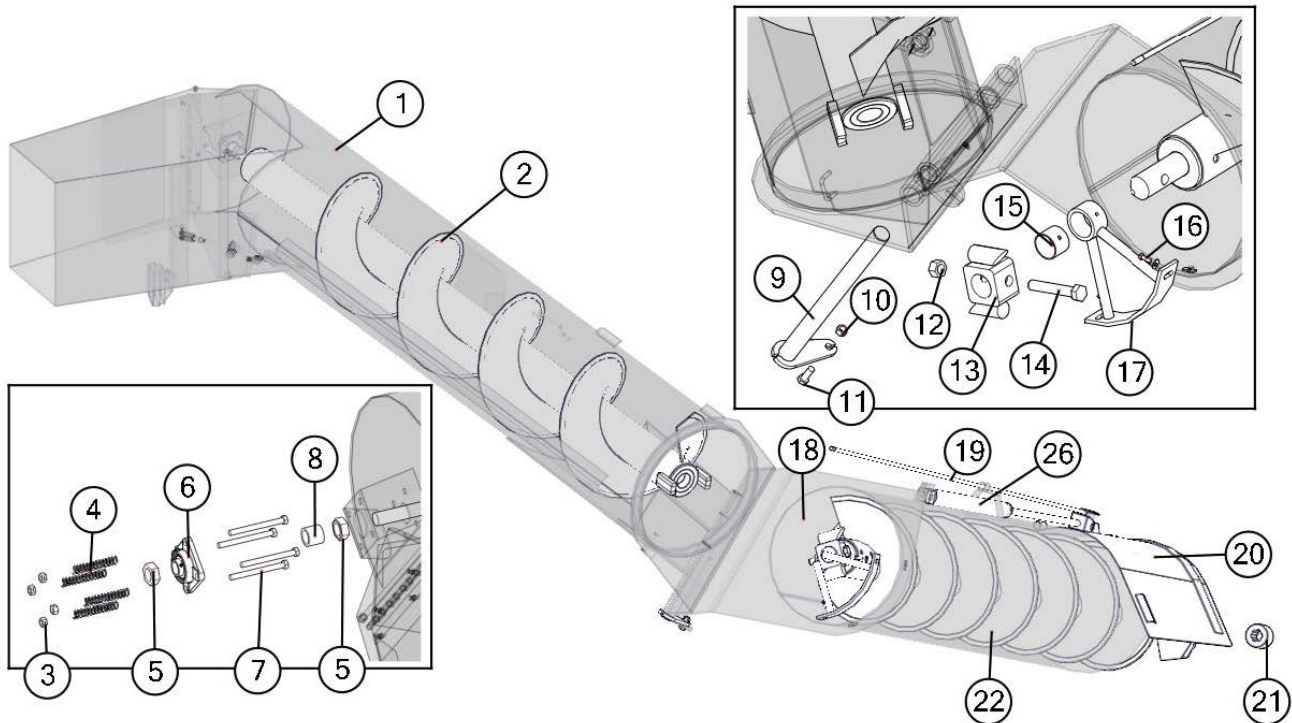
| # | Description | Part. No. |
|----|--|-----------|
| 9 | 3/8"-16 x 1/2" Set Screw (SS-3812) | JM0019044 |
| 10 | U-Joint Assembly, 44 Series | JM0017957 |
| 11 | 5/8"-11 Gr5 Z Centerlock Hex Nut | JM0002146 |
| 12 | Gearbox Washer for 20" Augers | JM0000083 |
| 12 | Gearbox Washer for 22" Augers | JM0020638 |
| 13 | Gearbox Assembly (See Pages 24 through 26) | ----- |
| 14 | 1/2"-13 x 1-1/2" Gr5 Z Hex Bolt | JM0002100 |
| 15 | 1/2" Zinc Finish Lock Washer | JM0019021 |
| 16 | 5/8"-11 x 3" Gr5 Z Hex Bolt | JM0002105 |
| 17 | Cross Kit 44R, CK-44R | JM0017958 |

Hitch Assembly



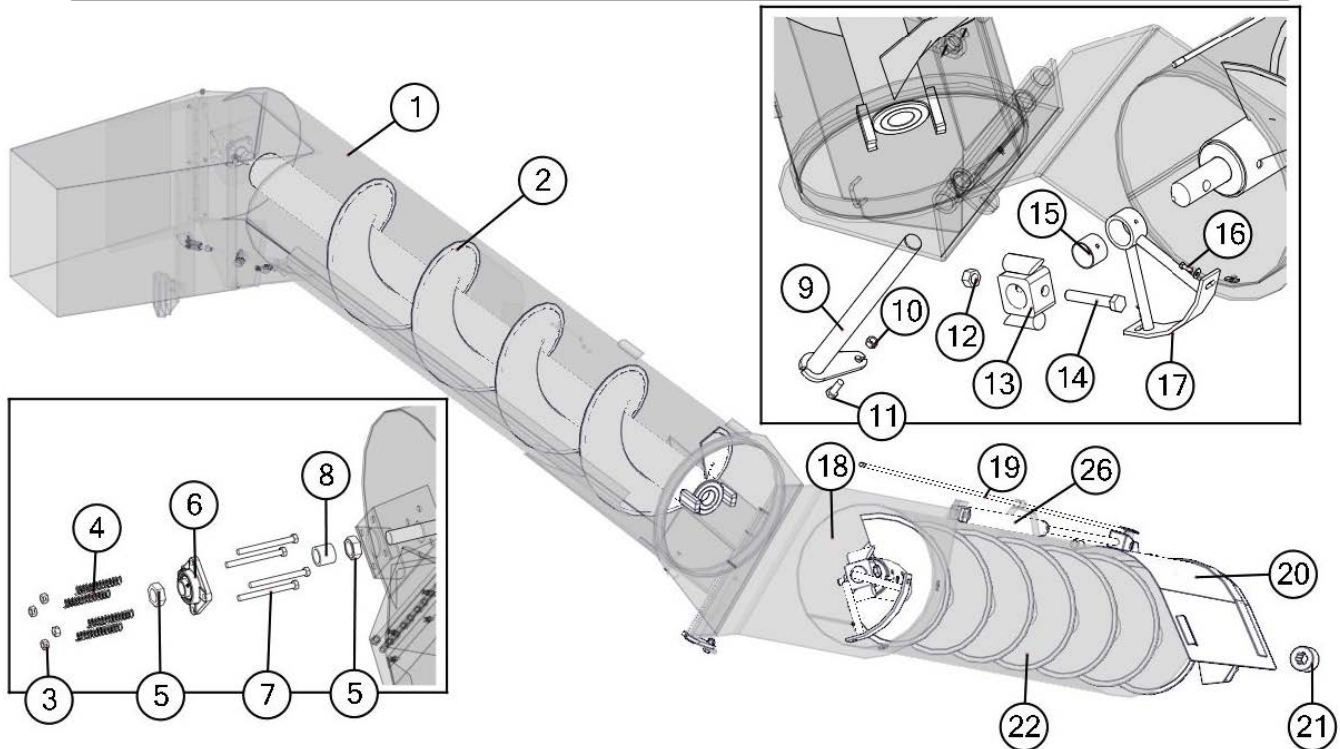
| # | Description | Part. No. |
|----|---|-----------|
| 1 | 1-1/2" Pin adapter for Grain Cart Clevis Hitch Tang | JM0014203 |
| 2 | 1-1/4" Pin adapter for Grain Cart Spade Hitch | JM0019032 |
| 3 | Hitch Weldment | JM0017978 |
| 4 | Clevis Hitch Tang | JM0017976 |
| 5 | 1-1/4" Pin adapter for Grain Cart Clevis Hitch Tang | JM0019031 |
| 6 | 1-1/2" Pin adapter for Grain Cart Clevis Hitch Tang | JM0014206 |
| 7 | 3/4"-16 x 3" Fine Thread Hex Bolt | JM0002107 |
| 8 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 9 | 2-1/2" Hitch Spindle Sleeve | JM0018258 |
| 10 | 2-7/8" Hitch Spindle, 1325, 1326, 1400, 1401, Non-Scale | JM0025787 |
| 11 | 3/4"-16 x 3" Gr8 YZ Hex Bolt (343HB) | JM0018542 |
| 12 | 1"-8 x 4-1/2" Gr5 Z Hex Bolt (1412G5B) | JM0016687 |
| 13 | 2-7/8" Hitch Spindle Collar | JM0025785 |
| 14 | Hitch Spool Plate 2-7/8" (HSPS-2) | JM0025783 |
| 15 | 1"-8 x 7-1/2" Gr8 YZ Hex Bolt (165410) | JM0017944 |
| 16 | Weigh-Tronix - 2-7/8" Weigh Bar, 1325, 1326, 1400, 1401 All Duals, 3 Point Scale System (278WB) | JM0019969 |
| 16 | Digi-Star - 2-7/8" Weigh Bar, 1325, 1326, 1400, 1401 5 Point Scale System (278WB-T) | JM0000355 |
| 17 | 1"-8 x 5-1/2" Gr5 Z Hex Bolt (1512G5B) | JM0002110 |
| 18 | 3/4" Zinc Finish Lock Washer | JM0018544 |
| 19 | Weigh Bar Receiver Weldment Scales 2-7/8" (WBW-278) | JM0000019 |

22" Upper & Lower Auger Assembly



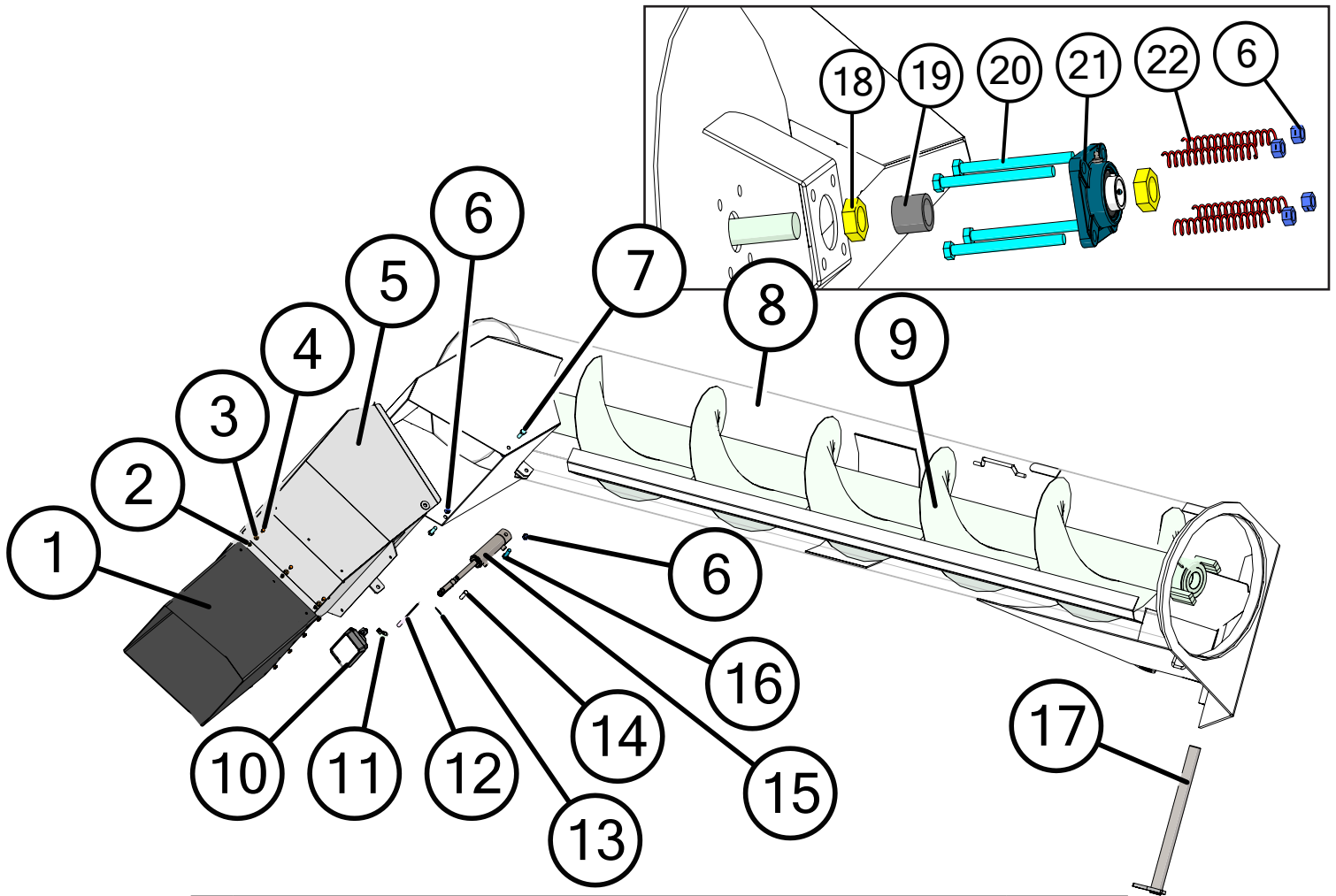
| # | Description | Part. No. |
|----|--|------------|
| 1 | 22" Upper Auger Tube Assembly 130", 1050-22, 1051-22, 1150-22, 1151-22, 1325-22, 1326-22 | JM0018304* |
| 2 | 22" Upper Flighting (leaned) welded to 6" x 121" pipe with 9" shaft (UF-22GS) | JM0019702 |
| 3 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 4 | Compression Spring (CMSUAA-4) | JM0018559 |
| 5 | 1-1/4"-12 PN Gr5 Hex Jam Nut | JM0001606 |
| 6 | 1-1/4" Flange Bearing, 4 hole (GRAF-206) | JM0018560 |
| 7 | 1/2"-13 x 5-1/2" Gr5 Z Hex Bolt | JM0001498 |
| 8 | 1-1/2" Spacer | JM0016792 |
| 9 | 22" Hinge Pin Weldment | JM0025101 |
| 10 | 5/8"-11 Gr5 Z Centerlock Hex Nut | JM0002146 |
| 11 | 5/8"-11 x 1-3/4" Gr5 Z Hex Bolt | JM0016681 |
| 12 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 13 | 22" Drive Dog Weldment 1326, 1401 (DDW-21222) | JM0002919 |
| 14 | 1"-8 x 6" Gr5 Z Hex Bolt | JM0002111 |
| 15 | 2-1/2" ID Bronze Bushing (BB-212) | JM0016841 |
| 16 | 3/8"-16 x 1" Gr8 Z Hex Bolt | JM0001485 |
| 17 | 22" Hanger Bushing Assembly (HBA-22) | JM0019656 |
| 18 | Lower Auger Liner for 1325, 1326, 1400, 1401 with 22" Diameter Auger (LAL-22135) | JM0026576 |
| 19 | Indicator Rod 22" | JM0019396 |
| 20 | Auger Gate Cover (See Grain Cart Assembly) | JM0017850 |
| 21 | 3-3/4" OD x 3" Spline Coupler (SC-334X3) | JM0009701 |
| 22 | LF- 22- 162-3/4"- RH 1300 Body Grain Cart Bottom Flighting Weldment | JM0019676 |
| 26 | 2" x 36" Hydraulic Cylinder (JD236) | JM0018523 |
| 26 | Seal Kit for 2" x 36" Hydraulic Cylinder (JD472) | JM0026544 |

20" Upper & Lower Auger Assembly



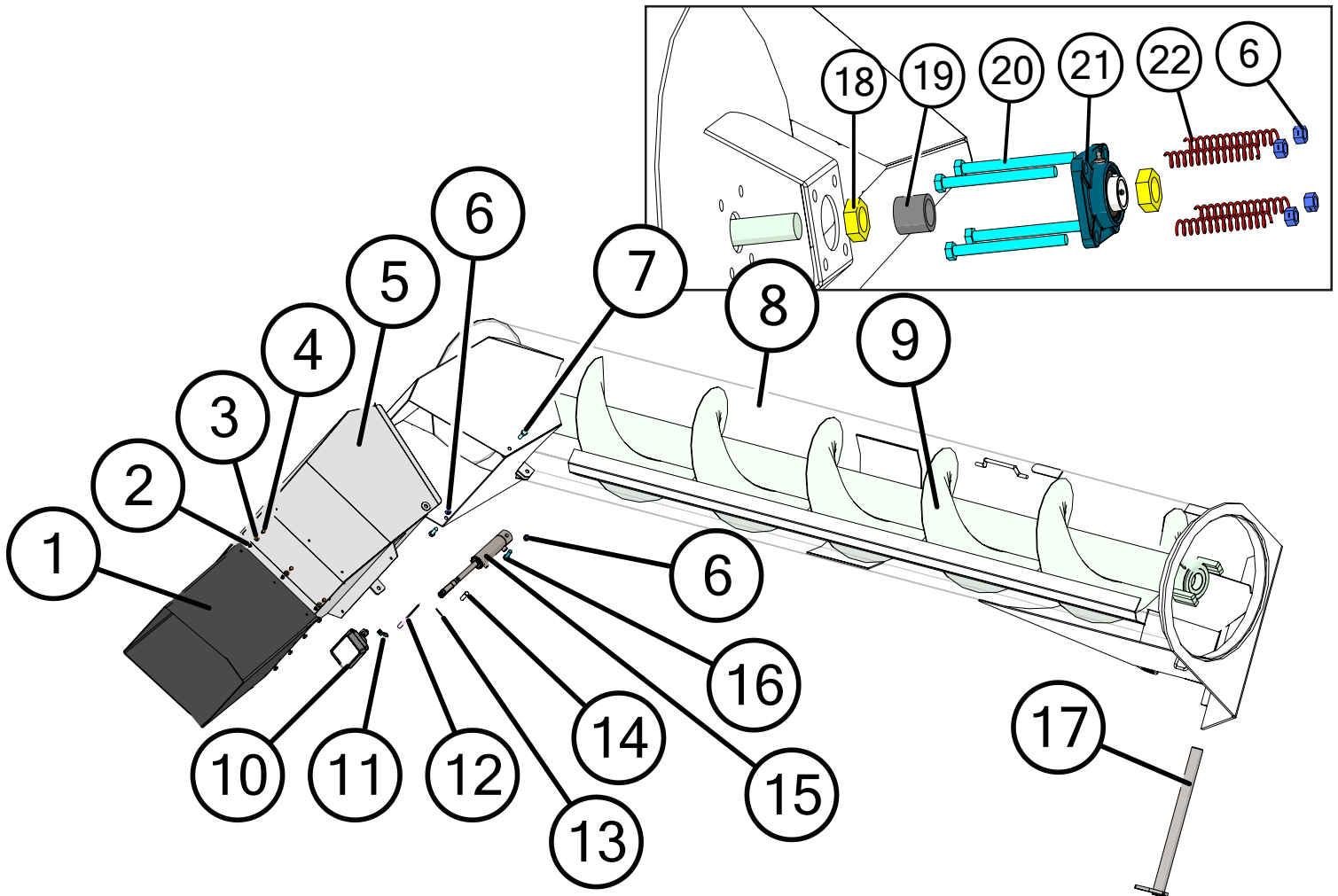
| # | Description | Part. No. |
|----|---|------------|
| 1 | 20" Upper Auger Tube Assembly | JM0018369* |
| 2 | 20" Upper Flighting welded to 4-1/2" x 120" pipe with 9" shaft (UF-20) | JM0021323 |
| 3 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 4 | Compression Spring (CMSUAA-4) | JM0018559 |
| 5 | 1-1/4"-12 PN Gr5 Hex Jam Nut | JM0001606 |
| 6 | 1-1/4" Flange Bearing, 4 hole (GRAF-206) | JM0018560 |
| 7 | 1/2"-13 x 5-1/2" Gr5 Z Hex Bolt | JM0001498 |
| 8 | 1-1/2" Spacer | JM0016792 |
| 9 | Pin Weldment 20" | JM0021236 |
| 10 | 5/8"-11 Gr5 Z Centerlock Hex Nut | JM0002146 |
| 11 | 5/8"-11 x 1.75 Gr5 Z Hex Bolt | JM0016681 |
| 12 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 13 | Drive Dog Weldment, 1000-20, 1050-20, 1150-20, 1325-20 (DDW21220) | JM0000093 |
| 14 | 1"-8 x 6" Gr5 Z Hex Bolt | JM0002111 |
| 15 | 2-1/2" ID Bronze Bushing (BB-212) | JM0016841 |
| 16 | 3/8"-16 x 1" Gr8 Z Hex Bolt | JM0001485 |
| 17 | Hanger Bushing Assembly 20" (HBA-20) | JM0019655 |
| 18 | Lower Auger Liner 20" (LAL-20) | JM0080231 |
| 19 | Indicator Rod, 1000-20, 1050-18, 1050-20, 1075-18R, 1150-20, 1325-20 (GI-12-6B) | JM0021282 |
| 20 | Auger Gate Cover (See Grain Cart Assembly) | JM0010947 |
| 21 | 2-1/2" OD x 3" Spline Coupler (SC-25X3) | JM0016883 |
| 22 | 20" Lower Flighting welded to 4-1/2" x 147-1/2" pipe, 1000-20, 1050-20, 1150-20 (LF-20) | JM0021325 |
| 22 | 20" Lower Flighting welded to 4-1/2" x 162" pipe, 1325-20 (LF-20-162) | JM0025513 |
| 26 | 2" x 36" Hydraulic Cylinder (JD236) | JM0018523 |
| 26 | Seal Kit for 2" x 36" Hydraulic Cylinder (JD472) | JM0026544 |

22" Upper Extended Auger Side Shooter Assembly 16" XL



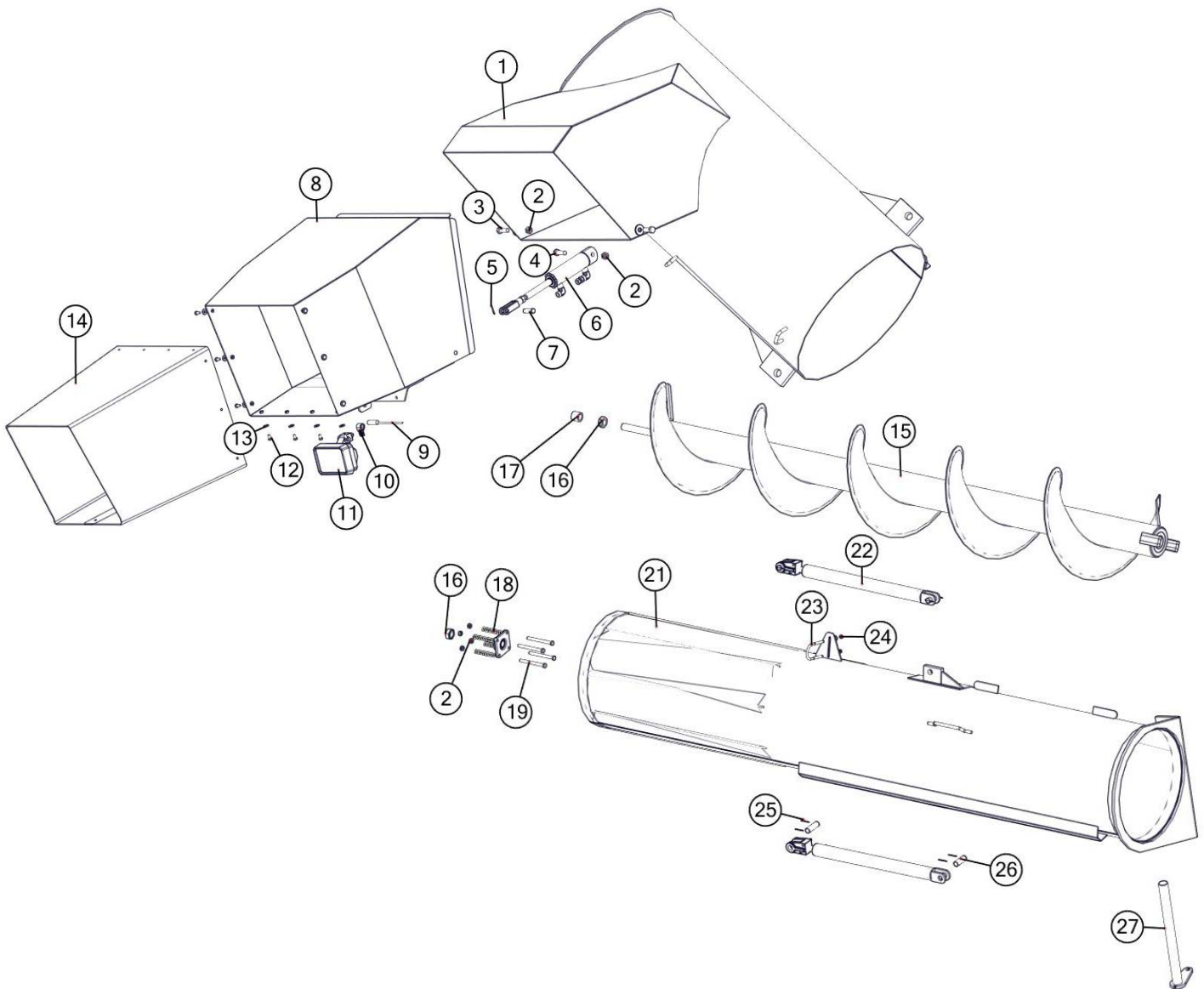
| Description | | Part No. |
|-------------|--|-----------|
| 1 | 22" Rubber Tip Spout Addition | JM0014129 |
| 2 | 1/4"-20 Gr2 Z Centerlock Hex Nut | JM0001505 |
| 3 | 1/4" USS Flat Washer | JM0003090 |
| 4 | 1/4"-20 x 1/2" Gr5 Z Hex Bolt | JM0001481 |
| 5 | 22" Side Shooter Tip Spout | JM0017838 |
| 6 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 7 | 1/2"-13 x 1-1/2" Gr5 Z Hex Bolt | JM0002100 |
| 8 | 22" Side Shooter Upper Auger XL 16 inch Weldment | JM0018404 |
| 9 | 22" Longer Upper Flighting (leaned) welded to 6" x 121" pipe with 21" shaft (LUA-22-F) | JM0019696 |
| 10 | LED Field Light with Bullet Connector | JM0050949 |
| 11 | 3/8" Wire Loom | JM0020450 |
| 12 | Mercury Switch | JM0017896 |
| 13 | 1/2" x 1-1/2" Cotter Pin | JM0016381 |
| 14 | 1/2" x 1-3/4" Pin | JM0018264 |
| 15 | 1-3/4" x 4" Hydraulic Cylinder | JM0018564 |
| 16 | 1/2"-13 x 2-1/4" Gr5 Z Hex Bolt | JM0016677 |
| 17 | 22" Hinge Pin Weldment | JM0025101 |
| 18 | 1-1/4"-12 PN Gr5 Hex Jam Nut | JM0001606 |
| 19 | Top Auger Collar 1-1/2" Long (1-3/4" OD) | JM0016920 |
| 20 | 1/2"-13 x 5-1/2" Gr5 Z Hex Bolt | JM0001498 |
| 21 | 1-1/4" Flange Bearing, 4 hole (GRAF-206) | JM0018560 |
| 22 | Compression Spring (CMSUAA-4) | JM0018559 |

20" Upper Extended Auger Side Shooter Assembly 16" XL



| Description | Part No. |
|---|-----------|
| 1 20" Rubber Tip Spout Addition | JM0014420 |
| 2 1/4"-20 Gr2 Z Centerlock Hex Nut | JM0001505 |
| 3 1/4" USS Flat Washer | JM0003090 |
| 4 1/4"-20 x 1/2" Gr5 Z Hex Bolt | JM0001481 |
| 5 20" Side Shooter Tip Spout | JM0000781 |
| 6 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 7 1/2"-13 x 1-1/2" Gr5 Z Hex Bolt | JM0002100 |
| 8 20" Side Shooter Upper Auger XL 16 inch Tube Weldment | JM0001332 |
| 9 20" Longer Upper Flighting welded to 4-1/2" x 120" pipe with 21" shaft (LUA-20-F) | JM0021321 |
| 10 LED Field Light with Bullet Connector | JM0050949 |
| 11 3/8" Wire Loom | JM0020450 |
| 12 Mercury Switch | JM0017896 |
| 13 1/2" x 1-1/2" Cotter Pin | JM0016381 |
| 14 1/2" x 1-3/4" Pin | JM0018264 |
| 15 1-3/4" x 4" Hydraulic Cylinder | JM0018564 |
| 16 1/2"-13 x 2-1/4" Gr5 Z Hex Bolt | JM0016677 |
| 17 Pin Weldment 20" | JM0021236 |
| 18 1-1/4"-12 PN Gr5 Hex Jam Nut | JM0001606 |
| 19 Top Auger Collar 1-1/2" Long (1-3/4" OD) | JM0016920 |
| 20 1/2"-13 x 5-1/2" Gr5 Z Hex Bolt | JM0001498 |
| 21 1-1/4" Flange Bearing, 4 hole (GRAF-206) | JM0018560 |
| 22 Compression Spring (CMSUAA-4) | JM0018559 |

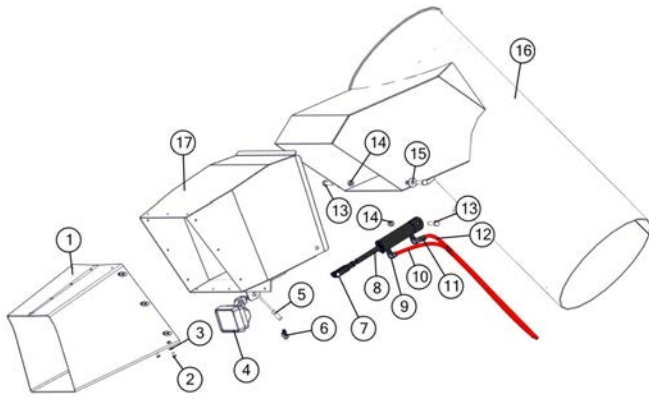
20" & 22" Slider Auger Assembly



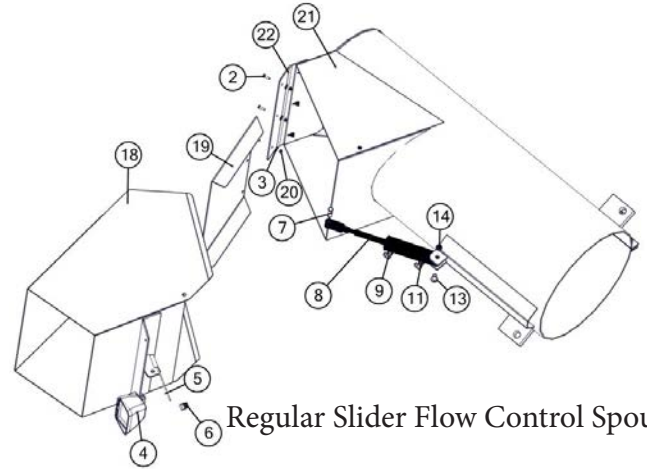
| # | Description | Part. No. |
|----|----------------------------------|-----------|
| 1 | 20" Side Shooter Slider Weldment | JM0000785 |
| 1 | 22" Side Shooter Slider Weldment | JM0017839 |
| 2 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 3 | 1/2"-13 x 1-1/2" Gr5 Z Hex Bolt | JM0002100 |
| 4 | 1/2"-13 x 2-1/4" Gr5 Z Hex Bolt | JM0016677 |
| 5 | 1/2" x 1-1/2" Cotter Pin | JM0016381 |
| 6 | 1-3/4" x 4" Hydraulic Cylinder | JM0018564 |
| 7 | 1/2" x 1-3/4" Pin | JM0018264 |
| 8 | 20" Side Shooter Tip Spout | JM0000781 |
| 8 | 22" Side Shooter Tip Spout | JM0017838 |
| 9 | Mercury Switch | JM0017896 |
| 10 | 3/8" Wire Loom | JM0020450 |
| 11 | Field Light | JM0001881 |
| 12 | 1/4"-20 x 1/2" Gr5 Z Hex Bolt | JM0001481 |
| 13 | 1/4" USS Flat Washer | JM0003090 |
| 14 | 20" Rubber Tip Spout Addition | JM0014420 |
| 14 | 22" Rubber Tip Spout Addition | JM0014129 |

| # | Description | Part. No. |
|----|----------------------------------|------------|
| 15 | 20" Slider Upper Auger Flighting | JM0021319 |
| 15 | 22" Slider Upper Auger Flighting | JM0019700 |
| 16 | 1-1/4"-12 PN Gr5 Hex Jam Nut | JM0001606 |
| 17 | Bearing Spacer | JM0016792 |
| 18 | Top Bearing Springs | JM0018559 |
| 19 | 1/2"-13 x 5-1/2" Gr5 Z Hex Bolt | JM0001498 |
| 20 | 1-1/4" Bearing | JM0018560 |
| 21 | 20" Slider Top Tube Weldment | JM0018300* |
| 21 | 22" Slider Top Tube Weldment | JM0018374* |
| 22 | Slider Cylinder | JM0018210 |
| 23 | 3/8" Round U-Bolt | JM0018627 |
| 24 | 3/8"-16 Gr5 Z Centerlock Hex Nut | JM0001512 |
| 25 | 1" x 3" Cotter Pin | JM0003064 |
| 26 | 1" x 3" Clevis Pin | JM0003065 |
| 27 | 20" Auger Hinge Pin Weldment | JM0021236 |
| 27 | 22" Auger Hinge Pin Weldment | JM0025493 |

Hydraulic Flow Control Spout For Sliders



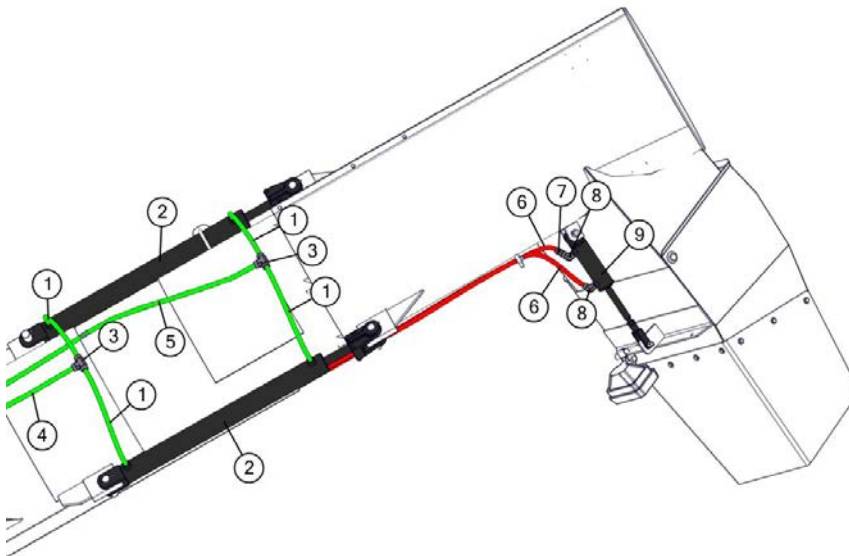
Side Shooter Slider Flow Control Spout



Regular Slider Flow Control Spout

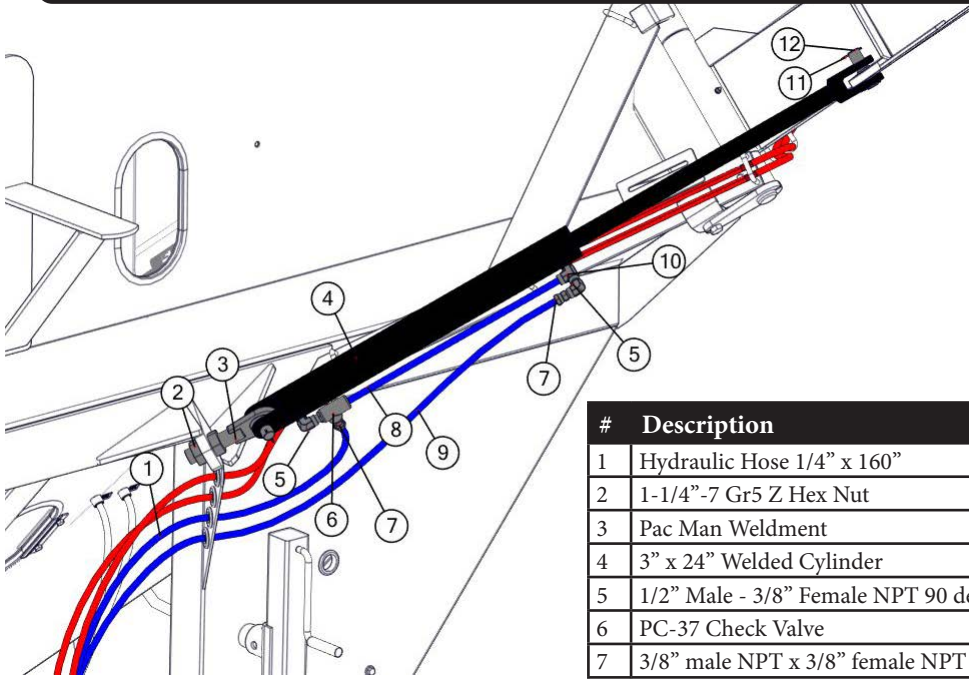
| # | Description | Part. No. | # | Description | Part. No. |
|----|---|-----------|----|----------------------------------|-----------|
| 1 | 20" Rubber Tip Spout | JM0014420 | 15 | 1/2" USS Flat Washer | JM0003082 |
| 1 | 22" Rubber Tip Spout | JM0014129 | 16 | 20" Side Shooter Slider Sock | JM0000785 |
| 2 | 1/4"-20 x 1/2" Gr5 Z Hex Bolt | JM0001481 | 16 | 22" Side Shooter Slider Sock | JM0017839 |
| 3 | 1/4" USS Flat Washer | JM0003090 | 17 | 20" Side Shooter Tip Spout | JM0000781 |
| 4 | Field Light Assembly | JM0001881 | 17 | 22" Side Shooter Tip Spout | JM0017896 |
| 5 | Mercury Switch | JM0017896 | 18 | 20" Regular Slider Tip Spout | JM0026658 |
| 6 | 3/8" Wire Loom | JM0020450 | 18 | 22" Regular Slider Tip Spout | JM0026659 |
| 7 | 1/2" x 1-3/4" Pin | JM0018264 | 19 | Baffle Plate for 20" Slider | JM0026660 |
| 8 | 1-3/4" x 4" Hydraulic Cylinder with Rod Clevis and Butt Tab | JM0018564 | 19 | Baffle Plate for 22" Slider | JM0026661 |
| 9 | 1/4" male NPT x 1/4" female NPT rigid; 90 degree elbow | JM0020115 | 20 | 1/4"-20 Gr5 Z Centerlock Hex Nut | JM0001505 |
| 10 | Hydraulic Hose 1/4" x 370" | JM0024908 | 21 | 20" Regular Slider Sock | JM0026662 |
| 11 | 1/4" male NPTswivel with .032 orifice | JM0020113 | 21 | 22" Regular Slider Sock | JM0026663 |
| 12 | Hydraulic Hose 1/4" x 370" | JM0024908 | 22 | Hinge for 20" Slider | JM0026664 |
| 13 | 1/2"-13 x 2-1/4" Gr5 Z Hex Bolt | JM0016677 | 22 | Hinge for 22" Slider | JM0026665 |
| 14 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 | 23 | Seal Kit for Hydraulic Cylinder | JM0024892 |

Hydraulic Slider Assembly



| # | Description | Part. No. |
|---|---|-----------|
| 1 | Hydraulic Hose 1/2" x 16" | JM0024923 |
| 2 | 2" x 24" Stroke Hydraulic Cylinder | JM0018210 |
| 3 | 3/8" male NPT x 1/2" female NPT x 1/2" female NPT; Street T | JM0018266 |
| 4 | Hydraulic Hose 1/2" x 63" | JM0024922 |
| 5 | Hydraulic Hose 1/2" x 105" | JM0024924 |
| 6 | Hydraulic Hose 1/4" x 370" | JM0024908 |
| 7 | 1/4" male NPT swivel with .032 orifice | JM0020113 |
| 8 | 1/4" male NPT x 1/4" female NPT rigid; 90 degree elbow | JM0020115 |
| 9 | 1-3/4" x 4" Hydraulic Cylinder | JM0018564 |

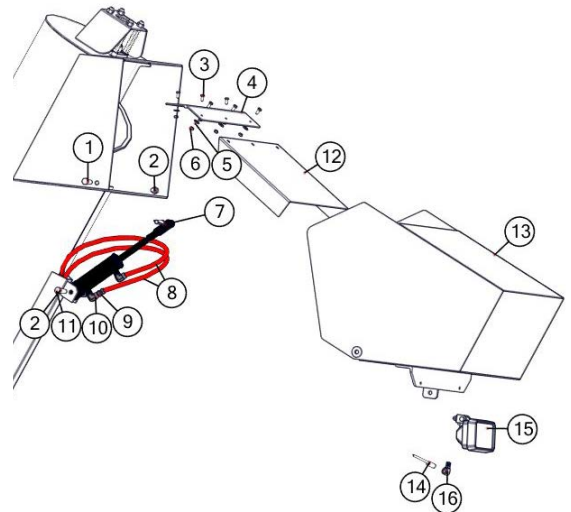
Lift Cylinder



| # | Description | Part. No. |
|----|---|-----------|
| 1 | Hydraulic Hose 1/4" x 160" | JM0024898 |
| 2 | 1-1/4"-7 Gr5 Z Hex Nut | JM0001700 |
| 3 | Pac Man Weldment | JM0007386 |
| 4 | 3" x 24" Welded Cylinder | JM0019644 |
| 5 | 1/2" Male - 3/8" Female NPT 90 degree Street Elbow | JM0010292 |
| 6 | PC-37 Check Valve | JM0018233 |
| 7 | 3/8" male NPT x 3/8" female NPT swivel; WITH .062 orifice | JM0018362 |
| 8 | Hydraulic Hose 1/4" x 21" | JM0024896 |
| 9 | Hydraulic Hose 1/4" x 176" | JM0024899 |
| 10 | 3/8" male NPT x 3/8" female NPT x 3/8" female NPT; Street T | JM0018266 |
| 11 | Cotter Pin | JM0003064 |
| 12 | 1" X 3.40" Clevis Pin | JM0003065 |

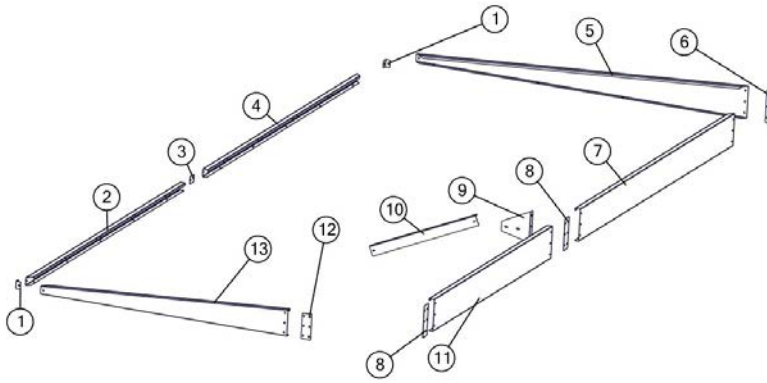
Flow Control Spout

| # | Description | Part. No. |
|----|---|-----------|
| 1 | 1/2"-13 x 2" Gr5 Z Hex Bolt | JM0001593 |
| 2 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 3 | 1/4"-20 x 5/8" Gr5 Z Hex Bolt | JM0001479 |
| 4 | 20" Hinge Plate (20" diameter auger) | JM0018583 |
| 4 | 22" Hinge Plate (22" diameter auger) | JM0018582 |
| 5 | 1/4" USS Flat Washer | JM0003090 |
| 6 | 1/4"-20 Gr5 Z Centerlock Hex Nut | JM0001505 |
| 7 | 1/2" x 1-3/4" Pin | JM0018264 |
| 8 | 1/4" x 412" Hydraulic Hose (All Models 1325 and 1326 Grain Carts) | JM0024925 |
| 9 | 1/4" male NPTswivel with .032 orifice | JM0020113 |
| 10 | 1/4" male NPT X 1/4" female NPT rigid; 90 degree elbow | JM0020115 |
| 11 | 1/2"-13 x 2" Gr5 Z Hex Bolt | JM0001593 |
| 12 | 20" Baffle Plate (20" diameter auger) | JM0009692 |
| 12 | 22" Baffle Plate (old style) (tapered) (22" diameter auger) | JM0026697 |
| 12 | 22" Baffle Plate (new style) (rectangular) (22" diameter auger) | JM0010977 |
| 13 | 20" Flow Control Spout Housing (20" diameter auger) | JM0018282 |
| 13 | 22" Flow Control Spout Housing (22" diameter auger) | JM0018284 |
| 14 | Mercury Switch | JM0017896 |
| 15 | Field Assembly Light | JM0001881 |
| 16 | 3/8" Wire Loom | JM0020450 |



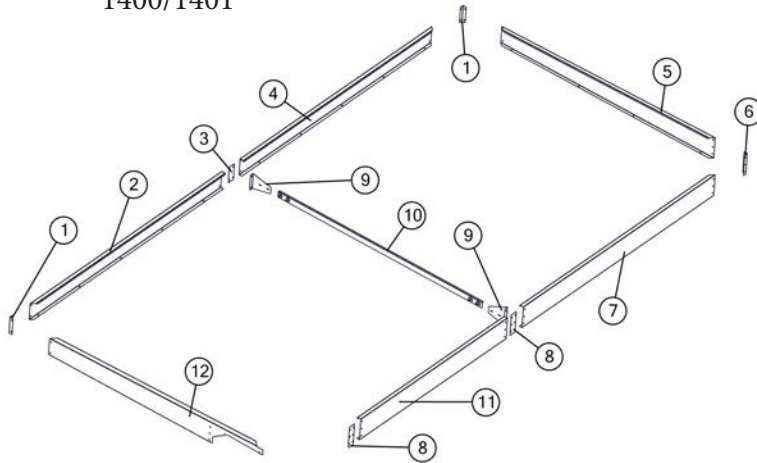
Sideboards

1325/1326



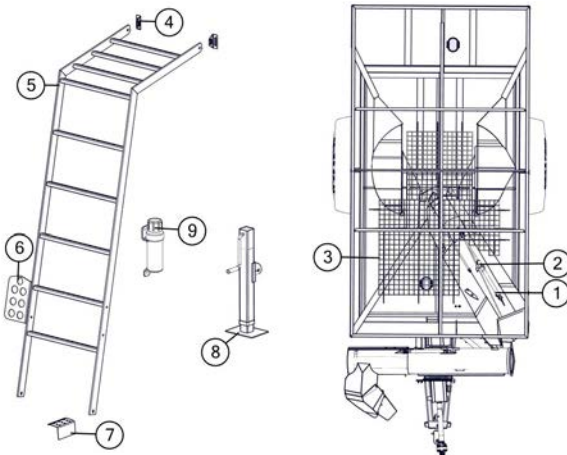
| # | Description | Part. No. |
|----|----------------------------|-----------|
| 1 | Low Side Corner | JM0009703 |
| 2 | Low Side Front Extension | JM0017351 |
| 3 | Low Side Splice Plate | JM0009704 |
| 4 | Low Side Rear Extension | JM0017350 |
| 5 | Tapered Rear Extension | JM0009596 |
| 6 | High Side Corner | JM0009700 |
| 7 | High Side Rear Extension t | JM0017484 |
| 8 | High Side Splice Plate | JM0009702 |
| 9 | High Sideboard Brace Plate | JM0021202 |
| 10 | 48" Inside Brace | JM0010933 |
| 11 | High Side Front Extension | JM0017349 |
| 12 | Front Splice Plate | JM0009705 |
| 13 | Tapered Front Extension | JM0017352 |

1400/1401



| # | Description | Part. No. |
|----|----------------------------------|-----------|
| 1 | 1400 GS Low Sideboard Corner | JM0020613 |
| 2 | 1400 GS Front Half Low Sideboard | JM0020609 |
| 3 | 1400 GS Low Sideboard Brace | JM0020614 |
| 4 | 1400 GS Back Half Low Sideboard | JM0020606 |
| 5 | 1400 GS Back Endboard | JM0020605 |
| 6 | 1325 High Sideboard Corner | JM0009700 |
| 7 | 1325 Back Half High Sideboard | JM0017484 |
| 8 | 1325 High Sideboard Splice | JM0009702 |
| 9 | 1400 GS High Sideboard Brace | JM0020610 |
| 10 | Sideboard Brace | JM0020624 |
| 11 | 1325 Front Half High Sideboard | JM0017349 |
| 12 | 1400 GS Front Endboard | JM0020608 |

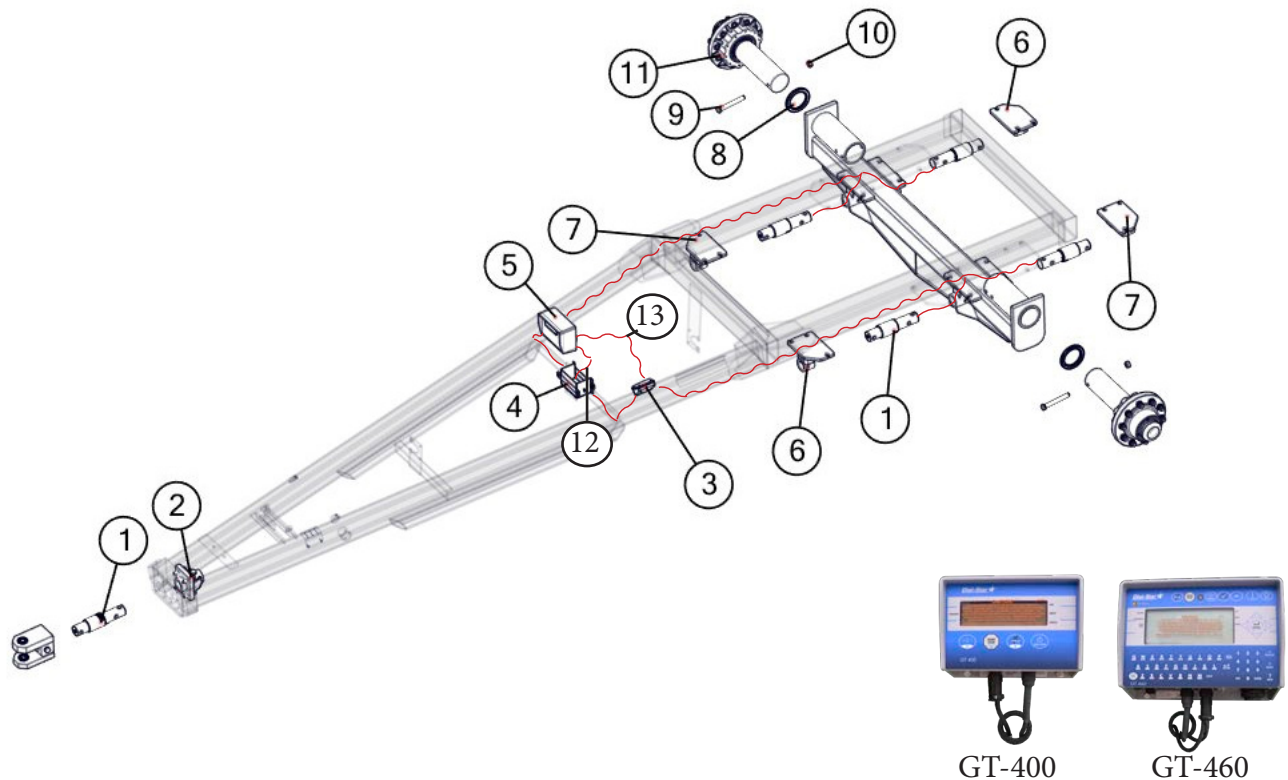
Miscellaneous



| # | Description | Part. No. |
|----|------------------------------|-----------|
| 1 | 1/4" x 43" Hydraulic Hose | JM0024904 |
| 2 | 1/2" x 43" Hydraulic Hose | JM0024906 |
| 3 | Steel Grate | JM0017930 |
| 4 | Universal Ladder Bracket | JM0016922 |
| 5 | 4 Rung Ladder Platform | JM0018805 |
| 6 | Hydraulic Hose Holder | JM0012711 |
| 7 | Frame Rail Step | JM0019030 |
| 8 | Jack Stand Assembly 7,000 LB | JM0010191 |
| 9 | Manual Canister | JM0010115 |
| 10 | 30k Lb Safety Chain | JM0027440 |

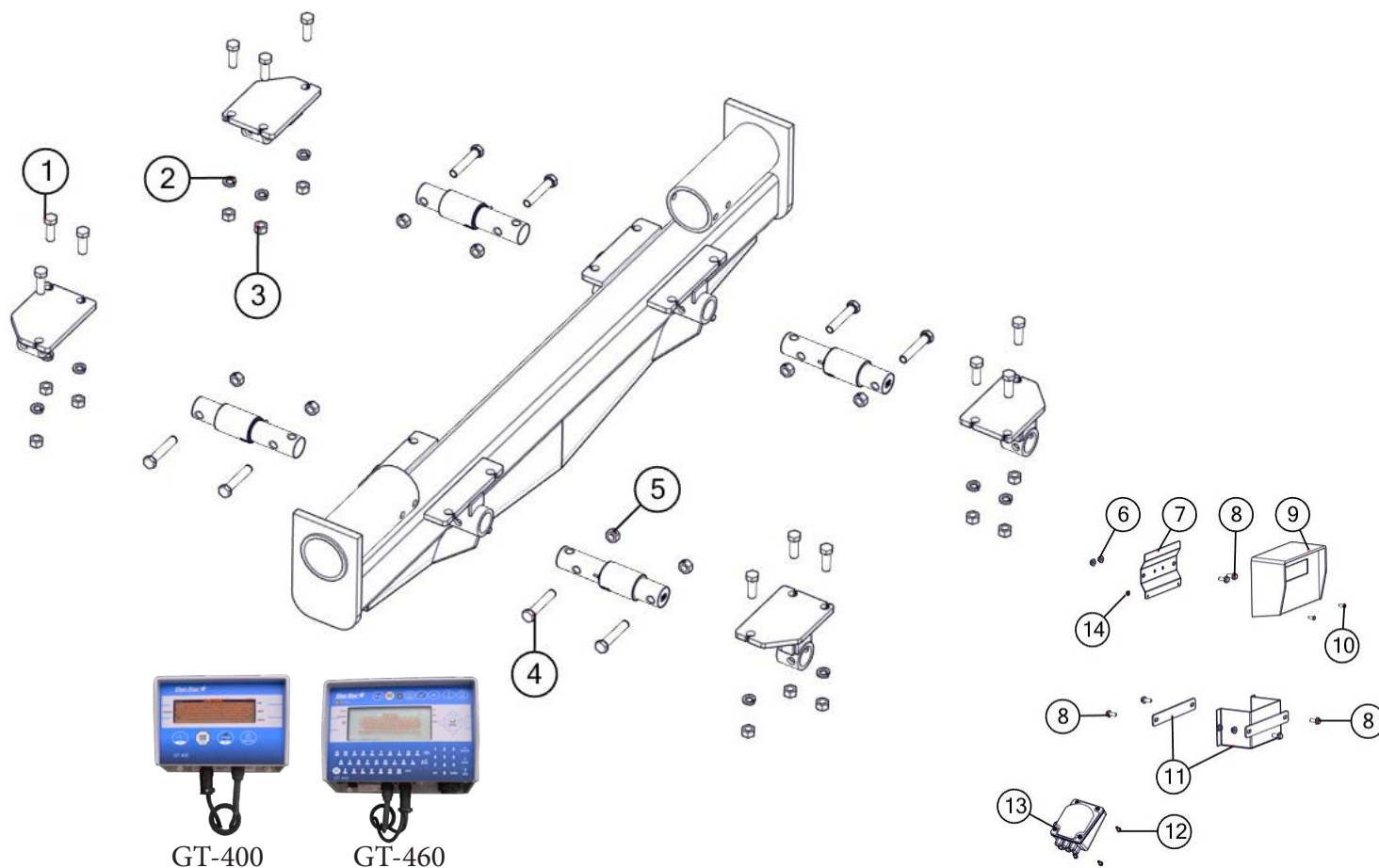
To order an upgraded 10K jack you will need to order JM0020936, 2 U-bolts JM0024199, and 4 centerlock nuts JM0002146.

WEIGH SCALE SYSTEMS
Digi-Star 5-Point Scale System
For Single Wheel Applications with Bolt-on Axles



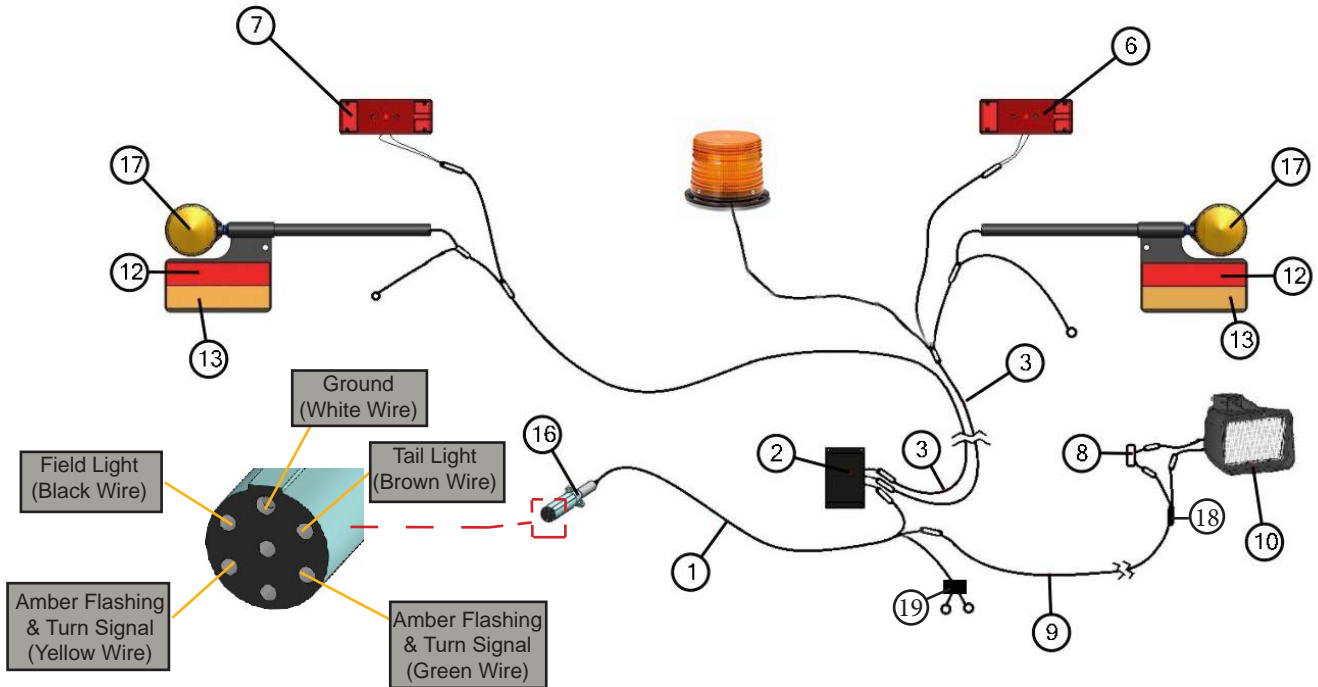
| # | Description | Part. No. |
|----|---|-----------|
| 1 | 2-7/8" Weigh Bar, 1" Pin Hole (278WB-T1) | JM0000355 |
| 2 | Weigh Bar Receiver Weldment Scales 2-7/8" (WBW-278) | JM0000019 |
| 3 | 5 Point Junction Box (JB-5) | JM0019038 |
| 4 | Battery Box with Strap (BB-2) | JM0000365 |
| 5 | GT400 Indicator with Serial Port EZ-150, EZ-2000, EZ-400 (GT400) | JM0019040 |
| 5 | GT 460 Indicator "Upgrade" includes serial port, downloader USB port and alpha-numeric key pad (GT-460) | JM0015453 |
| 6 | 2-7/8" Weigh Bar Weldment, Rear Right, Front Left, Digi-Star | JM0018226 |
| 7 | 2-7/8" Weigh Bar Weldment, Rear Left, Front Right, Digi-Star | JM0018228 |
| 8 | Seal for Hub (37605SA) | JM0021456 |
| 9 | 1"-8 x 8" Gr5 Z Hex Bolt | JM0001487 |
| 10 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 11 | Hub Assembly | ----- |
| 12 | Power Cord to Battery, Digi Star (PC-1) | JM0025812 |
| 13 | 30' Standard Cable for J-Box to Indicator (141837) | JM0025820 |
| 14 | 10' Long Extension Cord to Mount Indicator in Cab (ECI-1) | JM0025815 |
| 15 | 20' Long Extension Cord to Mount Indicator in Cab (ECI-2) | JM0025816 |
| 16 | Optional "Y" Cable to Connect both Printer and Downloader (403037) | JM0025817 |
| 17 | Flashdrive memory stick-programmed (114991) | JM0025819 |

WEIGH SCALE SYSTEMS
Digi-Star 5-Point Scale System Hardware
Hardware for Single Wheel and Track System Bolt-on Axles



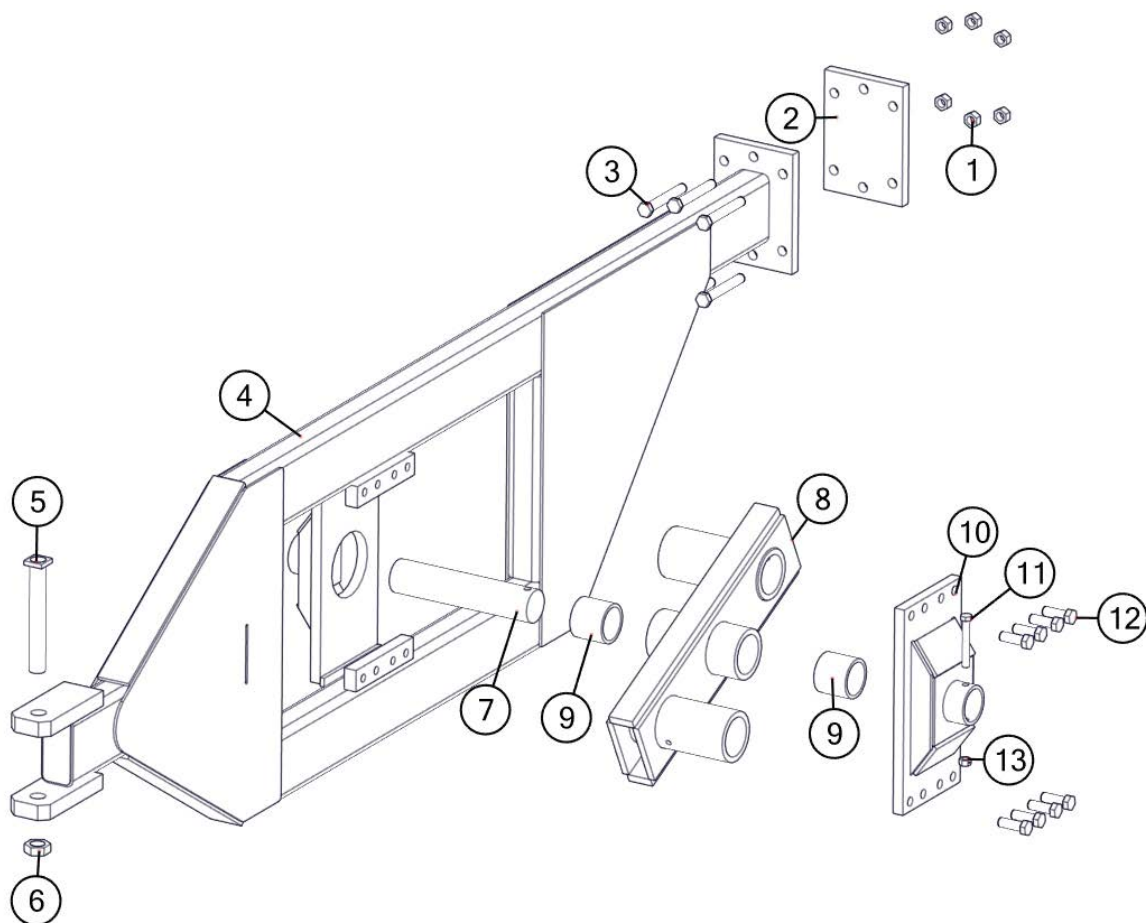
| # | Description | Part. No. |
|----|---|-----------|
| 1 | 1"-8 x 3" Gr5 Z Hex Bolt | JM0016686 |
| 2 | 1" Zinc Finish Lock Washer | JM0019203 |
| 3 | 1"-8 Gr5 Z Hex Nut | JM0002127 |
| 4 | 1"-8 x 5-1/2" Gr5 Z Hex Bolt | JM0002110 |
| 5 | 1"-8 Gr5 Z Centerlock Hex Nut | JM0002149 |
| 6 | 3/8"-16 Gr5 Z SF Hex Nut | JM0002152 |
| 7 | Indicator Mounting Bracket, GT460 (MBI-1) | JM0019648 |
| 7 | Indicator Mounting Bracket, GT400 (MBI-1S) | JM0000361 |
| 8 | 3/8"-16 x 1" Gr5 Z SF Hex Bolt | JM0002092 |
| 9 | GT400 Indicator with Serial Port EZ-150, EZ-2000, EZ-400 (GT400) | JM0019040 |
| 9 | GT 460 Indicator "Upgrade" includes serial port, downloader USB port and alpha-numeric key pad (GT-460) | JM0015453 |
| 10 | 1/4"-20 x 3/4" Gr5 Z Hex Bolt | JM0001507 |
| 11 | Battery Box with Strap (BB-2) | JM0000365 |
| 12 | 1/4" x 3/4" Self Tapping Screw | JM0001570 |
| 13 | 5 Point Junction Box (JB-5) | JM0019038 |
| 14 | 1/4"-20 Gr5 Z SF Hex Nut | JM0001630 |

Light Kit Assembly



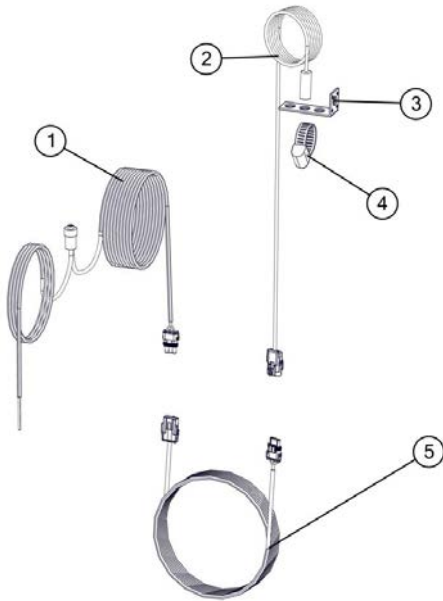
| # | Description | Part. No. |
|----|--|-----------|
| 1 | Main Wiring Harness with 7-Prong Connector End | JM0020439 |
| 2 | Light Enhancer | JM0010566 |
| 3 | Wiring Harness for Rear Lights (Each) | JM0020437 |
| 4 | Extendable Amber Light Assembly (Left Side) | JM0018817 |
| 5 | Extendable Amber Light Assembly (Right Side) | JM0018826 |
| 6 | Rear Red Light, Right Side | JM0018838 |
| 7 | Rear Red Light , Left Side | JM0018837 |
| 8 | Mercury Switch | JM0017896 |
| 9 | Field Light Wire | JM0020438 |
| 10 | Field Light | JM0001881 |
| 11 | Reflective Amber Decal | JM0009946 |
| 12 | Reflective Red Decal | JM0009945 |
| 13 | Reflective Orange Decal | JM0009944 |
| 14 | Slow Moving Vehicle Emblem | JM0001616 |
| 15 | Rubber Grommet | JM0016924 |
| 16 | 7-Prong Connector End Only | JM0010528 |
| 17 | Amber Light Only | JM0018819 |
| 18 | Wire Loom | JM0020450 |
| 19 | 12 Volt to 12 Volt Battery Charger | JM0027090 |

WALKING TANDEM DUAL WHEEL ASSEMBLY



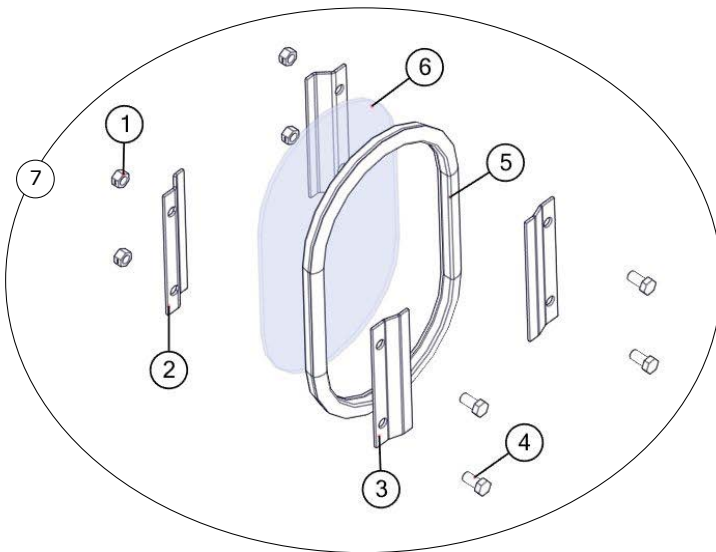
| # | Description | Part. No. |
|----|---|------------|
| 1 | 1"-14 Gr8 YZ Hex Nut (1HNG8) | JM0019926 |
| 2 | 1-1/4" x 8" x 14" Clamp Plate (114814CP) | JM0010145 |
| 3 | 1"-14 x 7-1/2" Gr8 YZ Hex Bolt (1712G8HB) | JM0019925 |
| 4 | Frame Weldment (Left)(FW-1L) | JM0019922* |
| 4 | Frame Weldment (Right)(FW-1R) | JM0010082* |
| 5 | 1-3/4" x 13-1/2" Bolt (1341312HB) | JM0019981 |
| 6 | 1-3/4"-12 Z Gr5 Hex Jam Nut (134JN) | JM0009752 |
| 7 | 3-3/4" Dia. Pivot Pin (334PP) | JM0019928 |
| 8 | Pivot Beam Weldment (left)(PBW-1L) | JM0010170* |
| 8 | Pivot Beam Weldment (right)(PBW-1R) | JM0010170* |
| 9 | 3 3/4"ID x 4 1/2"OD Bronze Bushing (BB-334) | JM0010570 |
| 10 | Pivot Center Weldment (PCW-1) | JM0010076* |
| 11 | 3/4" x 5 1/2" Grade 5 Bolt (34512G5HB) | JM0015522 |
| 12 | 1"-14 x 3" Grade 8 Bolt (13G8B) | JM0019924 |
| 13 | 3/4" Lock Nut (34-LN) | JM0002147 |

Auto-Log Kit



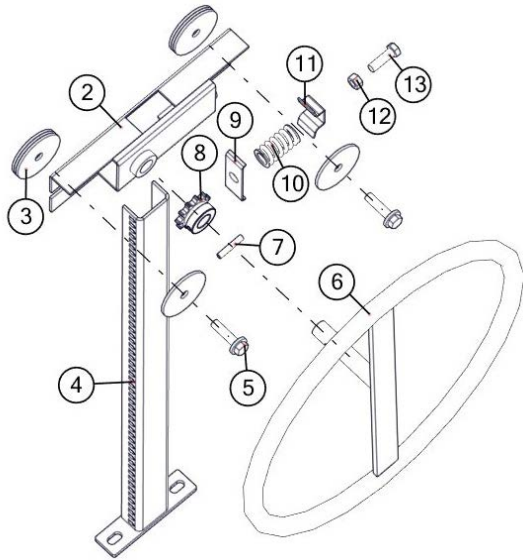
| # | Description | Part. No. |
|---|---|-----------|
| 1 | Auto-Logger 25' Wire Bundle | JM0015445 |
| 2 | Rotation Counter Sensor Wire bundle | JM0015447 |
| 3 | Rotation Counter Mounting Bracket | JM0015448 |
| 4 | Steel Sensor Target Screw Clamp | JM0015450 |
| 5 | Rotation Counter Sensor Extension Wire Bundle | JM0015452 |

Inspection Windows



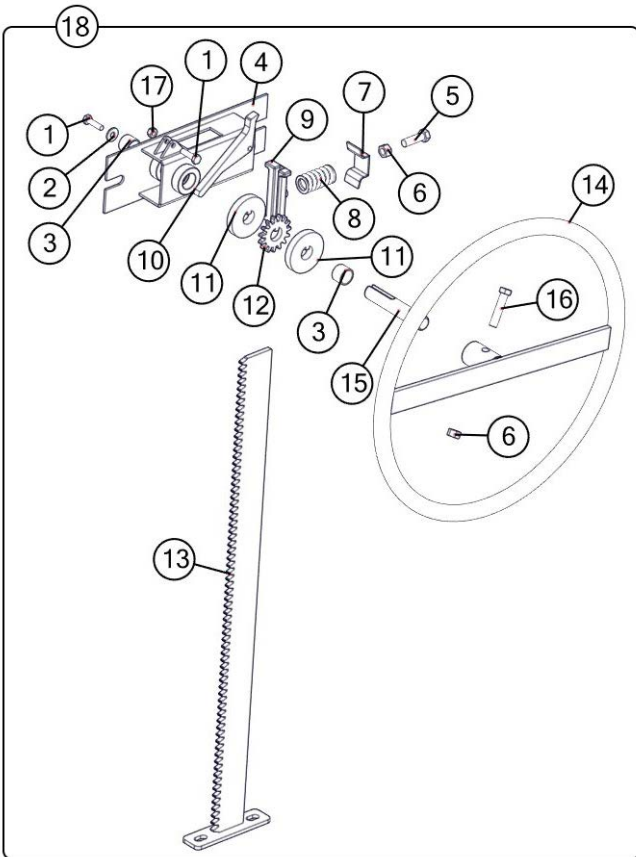
| # | Description | Part. No. |
|---|---|-----------|
| 1 | 3/8"-16 Gr5 Z Centerlock Hex Nut (161900) | JM0001512 |
| 2 | Inside Window Brace (WB-4) | JM0000253 |
| 3 | Outside Window Brace (WB-4B) | JM0000256 |
| 4 | 3/8-16 x 3/4" Gr5 Z Hex Bolt (161000) | JM0001663 |
| 5 | Oval Window Grommet (112500) | JM0002454 |
| 6 | Oval Window (IW-71212) | JM0002455 |
| 7 | Inspection Window Kit (IWK-1) | JM0025752 |

Door Wheel Assembly (2015 & Older)



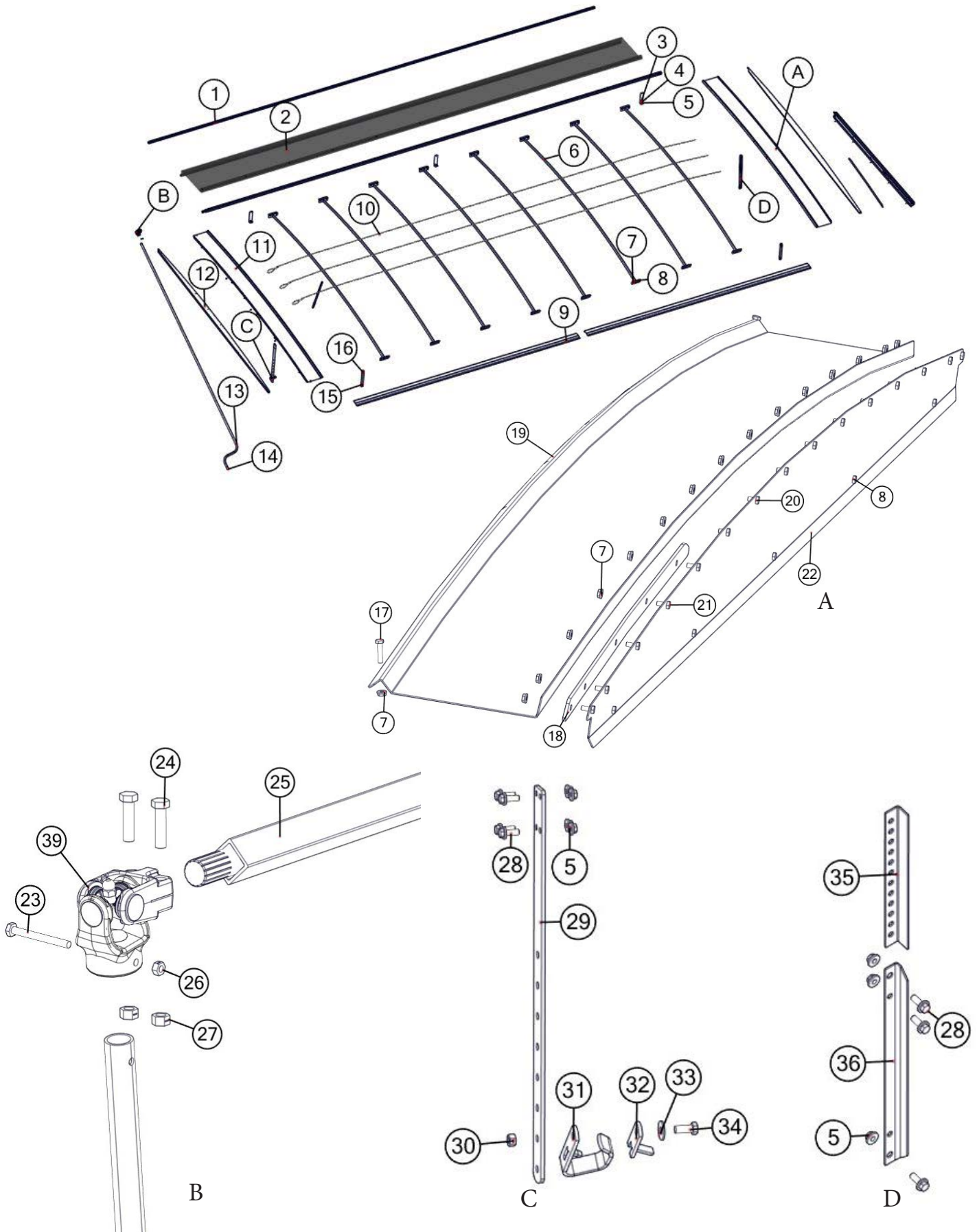
| # | Description | Part No. |
|----|--|-----------|
| 1 | Complete Door Wheel Assembly (20-1/4")(CWA250) | JM0018884 |
| 1 | Complete Door Wheel Assembly (28")(CWA750) | JM0018879 |
| 2 | Welded Guide Assembly (WGA-1034) | JM0018864 |
| 3 | 2-1/2" USS Flat Washer (12-W-212) | JM0018982 |
| 4 | Track Assembly (20-1/4")(TA-2014) | JM0018861 |
| 4 | Track Assembly (28")(TA-28) | JM0018860 |
| 5 | 3/8-16 x 1-1/2" Gr5 Z SF Hex Bolt (161200) | JM0001633 |
| 6 | Wheel Pin & Strap Assembly (WPS-250) | JM0018871 |
| 7 | 1-3/8" Roll Pin (138RP) | JM0009896 |
| 8 | 11 Tooth Sprocket (11T40) | JM0018872 |
| 9 | Galvanized Clip (GL-250) | JM0002850 |
| 10 | Spring (DS-250) | JM0001688 |
| 11 | Metal Clip (MC-250) | JM0002851 |
| 12 | 3/8"-16 Gr5 Z Hex Nut (161850) | JM0001707 |
| 13 | 3/8"-16 x 1-1/4" Gr5 Z Hex Bolt (161160) | JM0016675 |

Door Wheel Assembly (2016 & Newer)



| | Description | Part No. |
|----|---|-----------|
| 1 | 1/4"-20 x 1" Gr5 Z Hex Bolt | JM0002095 |
| 2 | 1/4" ID, 3/4" OD Z Flat Washer | JM0003090 |
| 3 | .754 ID x .874 OD x .625 LG Bronze Bushing (BB-34) | JM0009455 |
| 4 | Nylon Guided Rack Housing Weldment | JM0030635 |
| 5 | 3/8"-16 x 1-1/4" Gr5 Z Hex Bolt | JM0016675 |
| 6 | 3/8"-16 Gr5 Z Hex Nut | JM0001707 |
| 7 | Scrubber Spring Plate (ST Manual Door) (Door Wheel) | JM0002851 |
| 8 | Compression Spring (1" x 1-3/4") | JM0001688 |
| 9 | Nylon Track Guide For Door Wheel | JM0029354 |
| 10 | Flip Lock For Door Rack | JM0029459 |
| 11 | Keyway Washer for Door Rack | JM0029454 |
| 12 | 15 Tooth Sprocket - 3/4" Bore w/ Key | JM0029455 |
| 13 | Rack Track Weldment for Door (27-1/2") | JM0030634 |
| 14 | Rack Wheel Weldment | JM0028897 |
| 15 | Stub Shaft 3/4" x 4 1/8" w/ Threaded End | JM0029440 |
| 16 | 3/8"-16 x 1-3/4" Gr5 Z Hex Bolt | JM0002097 |
| 17 | 1/4"-20 Gr5 Z Centerlock Hex Nut | JM0001505 |
| 18 | Complete Door Wheel Assembly (27-1/2") (2016 & Newer) | JM0029460 |

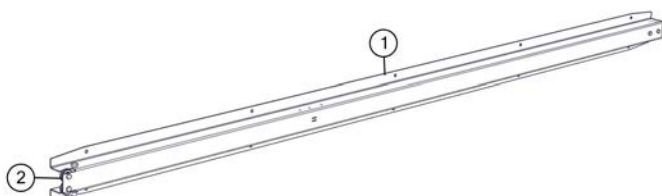
Roll Tarp Assembly



Roll Tarp Assembly

| # | Description | Part. No. | # | Description | Part. No. |
|----|---|-----------|----|--|-----------|
| 1 | 1" Square Tie-Down Tube (1325, 1326, 1400, 1401) | JM0018962 | 20 | 1/4"-20 x 1/2" Gr5 Z Hex Bolt | JM0001481 |
| 2 | Tarp with Rivets (1325, 1326, 1400, 1401) | JM0018966 | 21 | 1/4"-20 x 5/8" Gr5 Z Hex Bolt | JM0001479 |
| 3 | Tarp Stop Bracket | JM0000187 | 22 | Front End Cap Plate (1325, 1326, 1400, 1401) | JM0000194 |
| 4 | 3/8"-16 x 2" Gr5 Z Hex Bolt | JM0001510 | 23 | 1/4"-20 x 2-1/2" Gr5 Z Hex Bolt | JM0001506 |
| 5 | 3/8"-16 Gr5 Z SF Hex Nut | JM0002152 | 24 | 3/8"-16 x 1-1/2" Gr5 Z Hex Bolt | JM0001659 |
| 6 | Arched Tarp Bows (1325, 1326, 1400, 1401) | JM0000157 | 25 | 1 1/4" Square Roll Tube (1325, 1326, 1400, 1401) | JM0018968 |
| 7 | 1/4"-20 Gr5 Z SF Hex Nut | JM0001630 | 26 | 1/4"-20 Gr5 Z Centerlock Hex Nut | JM0001505 |
| 8 | 1/4"-20 X 3/4" Gr5 Z Hex Bolt | JM0001507 | 27 | 3/8"-16 Gr5 Z Centerlock Hex Nut | JM0001512 |
| 9 | Tightening Lip (1325, 1326, 1400, 1401) Front | JM0017842 | 28 | 3/8"-16 x 1" Gr5 Z SF Hex Bolt | JM0002092 |
| 9 | Tightening Lip (1325, 1326, 1400, 1401) Rear | JM0017843 | 29 | Crank Holder | JM0000164 |
| 10 | 3/16" Cable (1325, 1326, 1400, 1401) | JM0015701 | 30 | 1/2"-13 Gr5 Z Centerlock Hex Nut | JM0001511 |
| 11 | Rear Arched End Cap (1325, 1326, 1400, 1401) | JM0000172 | 31 | Roll Tarp - Handle Hanger PP | JM0002967 |
| 12 | Rear End Cap Plate (1325, 1326, 1400, 1401) | JM0000169 | 32 | Roll Tarp - Handle Hanger Rubber Flap | JM0002551 |
| 13 | Crank with Splined U-Joint (1325, 1326, 1400, 1401) | JM0019888 | 33 | 1/2" USS Flat Washer | JM0003082 |
| 14 | Yellow Cap | JM0018963 | 34 | 1/2"-13 x 1-1/4" Gr5 Z Hex Bolt | JM0001513 |
| 15 | Tarp Standoff | JM0001889 | 35 | Upper Adjustable Bow Support 13" | JM0021404 |
| 16 | 1/4" x 1-1/2" Self Tapping Screw | JM0001571 | 36 | Lower Adjustable Bow Support 27" | JM0021403 |
| 17 | 1/4"-20 x 1-1/4" Gr5 Z Hex Bolt | JM0016673 | 37 | 3/8"-16 Gr5 Z J-Bolt | JM0001519 |
| 18 | Tarp Nylon Riser | JM0000196 | 38 | Cable Clamp-Small | JM0001514 |
| 19 | Front Arched End Cap (1325, 1326, 1400, 1401) | JM0000195 | 39 | U-Joint | JM0001517 |

Spring Return Assembly



| # | Description | Part. No. |
|---|------------------------|-----------|
| 1 | Spring Return Assembly | JM0012965 |
| 2 | Spring Return Cable | JM0012981 |

Service / Maintenance Record

[illegible]

For any service instructions, visit our website at www.jm-inc.com