



# 8100 BOSS RT

Models 8118RT • 8120RT • 8122RT • 8124RT • 8126RT



## Owner / Operator's Manual & Parts Book



# 1.0 IMPORTANT INFORMATION

Prior to 2016 model year, the serial number plate is located on the left hand side by the rear gearbox as well as stamped into the front left vertical tube.

For 2016 model year and later, the serial number plate is located at the base of the front left vertical tube.

Please enter the model, serial number and additional information in the space provided for future reference.



Prior to 2016 Model Year Serial Number Plate

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Dealership \_\_\_\_\_

Dealership Phone No. \_\_\_\_\_



Model Year 2016 and Later Serial Number Plate

**Always use your serial number when requesting information or when ordering parts.**

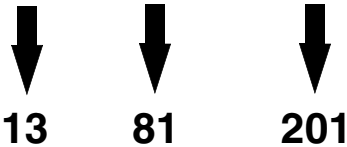
## HOW TO READ YOUR SERIAL NUMBER



Prior to 2016 Model Year Serial Number

**EXAMPLE: 1381201**

Model Year / Model / Sequence Of Build



**13      81      201**

Meyer Manufacturing Corporation  
 674 W. Business Cty Rd A  
 Dorchester, WI 54425  
 Phone: 1-800-325-9103  
 Fax: 715-654-5513  
 Email: parts@meyermfg.com  
 Website: www.meyermfg.com



## 2.0 PRE-DELIVERY & DELIVERY CHECK LIST

8100 / 9100 Check List

### Meyer Manufacturing Corporation

Phone: 715-654-5132 • Toll-Free: 1-800-325-9103 • P.O. Box 405 • Dorchester, WI 54425

This Pre-Delivery & Delivery Check List must be gone through by the Selling Party and the Customer to validate the Owner's Registration Form.

#### PRE-DELIVERY CHECK LIST

After the New Meyer Forage Box has been completely set-up, check to be certain it is in correct running order before delivering it to the customer.

The following is a list of points to inspect:

**Check off each item as you have made the proper adjustments and found the item operating satisfactorily. Any adjustments made, MUST be according to specifications defined in this manual.**

- All shields and guards are in place and securely fastened.
- All bolts and other fasteners are secure and tight.
- All mechanisms operate trouble free.
- All grease fittings have been lubricated, gear boxes filled to proper levels, and all roller chains are oiled. See "Lubrication" section of this manual.
- Main Apron Chains are at proper tension. See "Adjustments" section in this manual.
- All decals are in place and legible.
- All stop/tail/turn lights work properly.

#### DELIVERY CHECK LIST

The following check list is an important reminder of valuable information that **MUST** be passed on to the customer at the time the unit is delivered.

**Check off each item as you explain it to the customer.**

- Explain to the customer that pre-delivery check list was fully completed.
- Give customer the Owner & Operator's Manual. Instruct to read and completely understand its contents **BEFORE** attempting to operate the Forage Box.
- Explain and review with customer the New Meyer Forage Box manufacturer's warranty.
- Show the customer where to find the serial number on the implement.
- Explain and review with the customer "Safety Precautions" section of this manual.
- Explain and review with customer the proper "Start-up and Operating Procedures" sections of this manual.
- Demonstrate the start-up & shutdown controls, proper hydraulic hose storage and tip holder used to keep system clean from contaminants.
- Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the Forage Box. Review with the customer the "Lubrication" and "Adjustments" sections of this manual.
- Explain the importance of apron chain tension, and the need to watch and tighten during the break in period.
- Fully complete this "PRE-DELIVERY & DELIVERY CHECK LIST" with the customer.



**Meyer Manufacturing Corporation**

674 W. Business Cty Rd A

Dorchester, WI 54425

Phone: 1-800-325-9103

Fax: 715-654-5513

Email: [parts@meyermfg.com](mailto:parts@meyermfg.com)

Website: [www.meyermfg.com](http://www.meyermfg.com)

**FARM EQUIPMENT BUYERS TRUST THE NAME MEYER!**

### 3.0 INTRODUCTION

*Congratulations on your purchase of a new Meyer farm equipment product. Undoubtedly you have given much consideration to your purchase and we're proud that you have selected Meyer. Pride in craftsmanship, engineering and customer service have made Meyer products the finest in the farm equipment industry today.*

*There is no substitute for quality. That is why thousands of people like you have purchased Meyer farm equipment. They felt it was the best equipment to serve their farming needs, now and in years to come. We ask that you follow our policy of "safety first", and we strongly suggest that you read through the "Owner / Operator's Manual & Parts Book" before operating your Meyer farm equipment. Meyer Manufacturing Corporation wants to thank you for not compromising quality. We are determined to offer excellence in customer service as well as provide you with the very best value for your dollar.*

*Sincerely,*

*All Employees of*

*MEYER MANUFACTURING CORPORATION*

---

The Model 8100-RT is available as a truck mount or mounted to an ag cart or wagon running gear pulled and powered by a farm tractor.

When the PTO is referred to, it means power take-off from the truck.

The Model 8100-RT may be referred to as rear unload box, forage box, or rear unload forage box in this manual.



**IMPORTANT:** You are urged to study this manual and follow the instructions carefully. Your efforts will be repaid in better operation and service as well as a savings in time and repair expense. Failure to read this manual and understand the machine could lead to serious injury. If you do not understand instructions in this manual, contact either your dealer or Meyer Manufacturing Corp. at Dorchester, WI 54425.



**WARRANTY:** At the front of this manual is a an "Owner's Registration Form". Be sure your dealer has completed this form and promptly forwarded a copy to Meyer Manufacturing to validate the manufacturer's warranty. The product model and serial number are recorded on this form and on the inside of the front cover for proper identification of your Meyer Forage Box by your dealer and the manufacturer when ordering repair parts. The serial number is stamped in the front upright of the left-hand side.



**REPAIR PARTS:** At the back of this manual is the repair parts section. All replacement parts are to be obtained from or ordered through your Meyer dealership. When ordering repair parts, refer to the parts section and give complete information including quantity, correct part number, detailed description and even model and serial numbers of the forage box which needs repair parts.

**Manufacturer's Statement:** Meyer Manufacturing Corporation reserves the right to make improvements in design, or changes in specifications at any time, without incurring any obligation to owners of units previously sold. This supersedes all previous published instructions.

## FEATURES

DESCRIPTION	8118	8120	8122	8124	8126
Clad-Tuff Fiberglass Woven Side Panels	STD	STD	STD	STD	STD
Solid Poly Floor - High Molecular	STD	STD	STD	STD	STD
Automatic Rear Door Unlatch / Latch	STD	STD	STD	STD	STD
Hydraulic Drive	STD	STD	STD	STD	STD
Double Viewing Window In Front Gate	STD	STD	STD	STD	STD
Rear Transport Lights - LED (new location)	STD	STD	STD	STD	STD
Personalized Farm Name On Sides	STD	STD	STD	STD	STD

## OPTIONS

DESCRIPTION	8118	8120	8122	8124	8126
14" Removable Side Extension (screen or solid)	OPT	OPT	OPT	OPT	OPT
Fold-Down Front Extension (except w/tarp)	OPT	OPT	OPT	OPT	OPT
Double Center Opening Doors Air / Hydraulic (Barn Doors)	OPT	OPT	OPT	OPT	OPT
Grain Kit / Quick Attach for Top Pivot Door	OPT	OPT	OPT	OPT	OPT
Grain Kit / Quick Attach for Barn Door Gate	OPT	OPT	OPT	OPT	OPT
Side-Mounted, LED Turn Signals (in addition to standard)	OPT	OPT	OPT	OPT	OPT
Reversing Apron Feature	OPT	OPT	OPT	OPT	OPT
Set Back Axle Design / Air Lift Pusher Axles	OPT	OPT	OPT	OPT	OPT
Side Hood Deflector/backstop (RH side)	OPT	OPT	OPT	OPT	OPT
Black paint in lieu of Red	OPT	OPT	OPT	OPT	OPT
Truck Mount Kit w/Steel Fenders	OPT	OPT	OPT	OPT	OPT
Factory Install of Truck Mount Kit	OPT	OPT	OPT	OPT	OPT
Wagon / Trailer Mount Kit	OPT	OPT	OPT	OPT	OPT
Front to Back Scissor Tarp (electric)	OPT	OPT	OPT	OPT	OPT
Side-To-Side Roll Tarp (electric)	OPT	OPT	OPT	OPT	OPT
Stainless Steel Side Panels	OPT	OPT	OPT	OPT	OPT
Rear Gate Delay System - New RT design!	OPT	OPT	OPT	OPT	OPT
Marker / Clearance Lights (LED) & D.O.T. Tape	OPT	OPT	OPT	OPT	OPT

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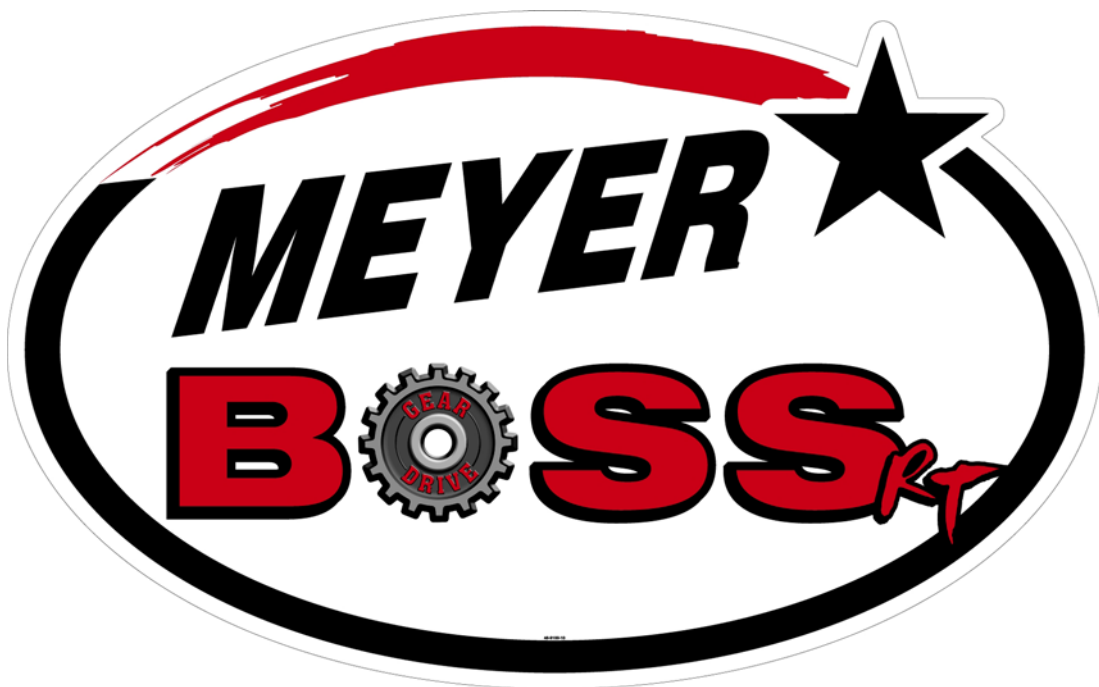


## 4.0 MANUFACTURER'S WARRANTY

01/2019

### MEYER 8100 "BOSS RT" FORAGE BOX

- I. The "Owner's Registration Form" must be completed in full and promptly returned to Meyer Mfg. Corp. for this warranty to become both valid and effective. All warranties on new Meyer forage boxes shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.
- II. This warranty shall not apply to any Meyer forage box which has been subjected to misuse, negligence, alteration, accident, incorrect operating procedures, has been used for an application not designed for or pre-authorized by Meyer in writing, has had the serial numbers altered, or which shall have been repaired with parts other than those obtained through Meyer Mfg. Corp. Meyer is not responsible for the following: Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow the operator's manual recommendations or normal maintenance parts and service. Meyer is not responsible for rental of replacement equipment during warranty repairs, damage to a power unit (including but not limited to a truck or tractor), loss of earnings due to equipment down time, or damage to equipment while in transit to or from the factory or dealer.
- III. Meyer Mfg. Corp. warrants new Meyer forage box to be free from defects in material and workmanship under recommended use and maintenance service, as stated in the "Owner / Operator's Manual and Parts Book", as follows:
  - A. Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI, as Meyer Mfg. Corp. elects, any part of a new Meyer forage box which is defective in material or workmanship:
    - i. Without charge for either parts or labor during the first (1) year from purchase date to the original retail customer.
    - ii. Without charge for parts only during the second (2) year from purchase date to the original retail customer.
  - B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI as Meyer Mfg. Corp. elects:
    - i. Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) without charge for parts only (not labor) during the stated time periods from date of purchase to the original retail customer:  
  
Two (2) Years:
      - a. The D667XH pintle main apron chain assembly.  
    - ii. Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) with a "pro-rated" charge for parts only (not labor) during the stated time period from date of purchase to the original retail customer:  
  
Ten (10) Years:
      - a. The all welded steel frame box structure.
- IV. Repairs eligible for labor warranty must be made by Meyer Mfg. Corp. or an authorized Meyer dealership. The original retail customer is responsible for the transportation of the forage box to the dealership for warranty service or for any service call expenses.
- V. Except as stated above, Meyer Mfg. Corp. shall not be liable for injuries or damages of any kind or nature, direct, consequential, or contingent, to persons or property. This warranty does not extend to loss of crop or for any other reasons.
- VI. No person is authorized to give any warranties or to assume any other obligation on Meyer Mfg. Corp.'s behalf unless made or assumed in writing by Meyer Mfg. Corp. This warranty is the sole and exclusive warranty which is applicable in connection with the manufacture and sale of this product and Meyer Mfg. Corp's responsibility is limited accordingly.
- VII. Tires, optional scales and tarps fall under the original manufacturer's warranty.



## 5.0 SAFETY

The Meyer Forage Box is manufactured with operator safety in mind. Located on the forage box are various safety signs to aid in operation and warn of hazardous areas. Pay close attention to all safety signs on the forage box.

Carefully follow the operating and maintenance instructions in this manual and all applicable safety laws. Failure to follow all safety procedures may result in serious injury or death.

**Before attempting to operate this forage box, read and study the following safety information. In addition, make sure that every individual who operates or works with the forage box, whether family member or employee, is familiar with these safety precautions.**

Meyer Mfg. Corp. provides guards for exposed moving parts for the operator's protection; however, some areas cannot be guarded or shielded in order to assure proper operation. The operator's manual and safety signs on the forage box itself warn you of hazards and must be read and observed closely!

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### Safety Alert Symbol

This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to be careful!

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The signal word **DANGER** on the machine and in the manual identifies a hazardous situation which, if not avoided, WILL result in death or serious injury.



The signal word **WARNING** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.



The signal word **CAUTION** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.



**IMPORTANT**

This notice identifies procedures which must be followed to avoid damage to the machine.

Danger, Warning, Caution, and instructional decals and plates are placed on the equipment to protect anyone working on or around this machine, as well as the components of the machine. All personnel operating or maintaining this equipment must familiarize themselves with all Danger, Warning, Caution, and instructional decals and plates.

## 5.1 SAFETY PRECAUTIONS



**All individuals who will operate this Forage Box must read and completely understand this Operator's And Parts Manual. Operator must have instructions before operating the machine. Untrained operators can cause injury or death.**

- DO NOT allow anyone to operate, service, inspect or otherwise handle this forage box until all operators have read and understood all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.
- For an operator to be qualified, he or she must not use drugs or alcohol which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.
- Make sure all personnel can READ and UNDERSTAND all safety signs.
- DO NOT allow minors (children) or inexperienced persons to operate this forage box.
- DO NOT operate until all shields and guards are in place and securely fastened.
- DO NOT step up on any part of the forage box at any time.
- DO NOT adjust, clean or lubricate while the forage box is in motion.
- Inspect when first delivered and regularly thereafter; that all connections and bolts are tight and secure before operating.
- Know how to stop operation of the forage box before starting it!
- Make certain everyone is clear of the forage box before applying power.
- Keep hands, feet and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.
- Observe all applicable traffic laws when transporting on public roadways (where legal to do so). Check local laws for all highway lighting and marking requirements.
- Shut off and lock out power before adjusting, servicing, maintaining or clearing an obstruction from this machine. (See 5.3 SHUTOFF & LOCKOUT POWER on page 16.)
- Always enter curves or drive up or down hills at a low speed and at a gradual steering angle.
- Never allow riders on either tractor / truck or equipment.
- Keep tractor / truck in a lower gear at all times when traveling down steep grades.
- Maintain proper brake settings at all times (if equipped).
- Stay away from overhead power lines. Electrocutation can occur without direct contact.
- Use only properly rated undercarriage and tires.

### **Safety Precautions For Tractor Towed Units:**

- Do not exceed 20 mph (32 kph). Reduce speed on rough roads and surfaces.
- Always install a SMV emblem on pull-type equipment when transporting on roadways and keep clean and bright.
- Always yield to oncoming traffic in all situations and move to the side of the road so any following traffic may pass.

### **Safety Precautions For Truck Mounted Units:**

- Comply with state and local laws governing highway safety and movement of machinery on roadways.

### **Safety Precautions For Hydraulic System:**

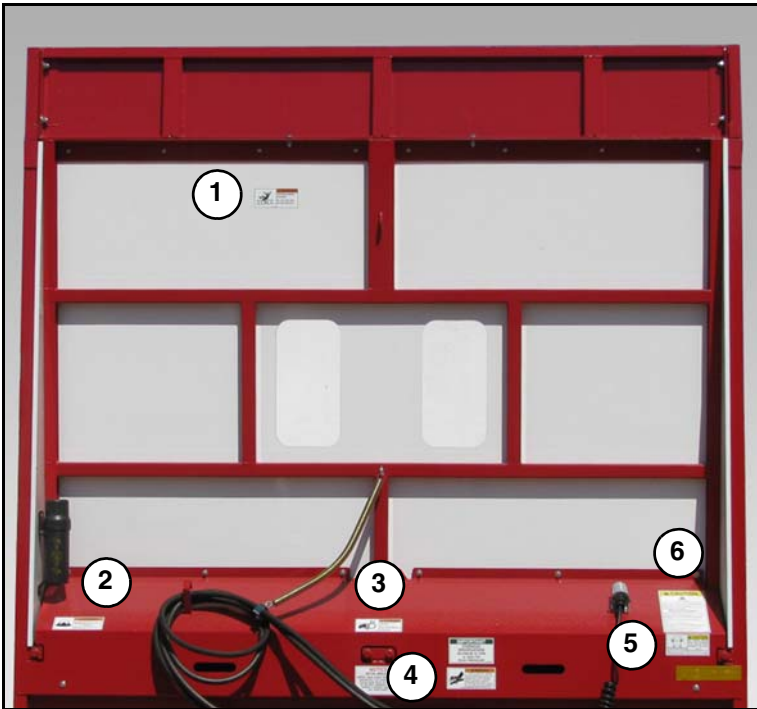
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

## 5.2 SAFETY SIGNS



Read all safety signs on the Forage Box and in this manual. Keep all safety signs clean and replace any damaged or missing safety signs before operating the equipment. Do Not remove any safety signs. Safety signs are for operator protection and information.

FRONT OF FORAGE BOX



PART NO. 46-9100-4



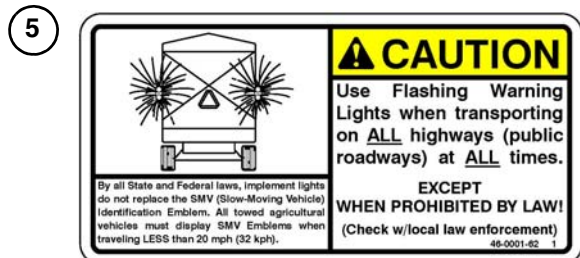
PART NO. 46-0001-35



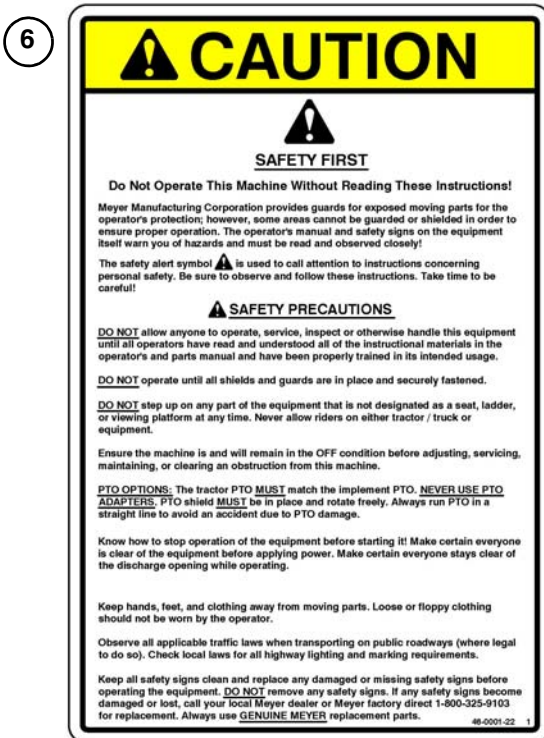
PART NO. 46-0001-4



PART NO. 46-8500-7



PART NO. 46-0001-62 (Pull Type Only)



PART NO. 46-0001-22

REAR OF FORAGE BOX

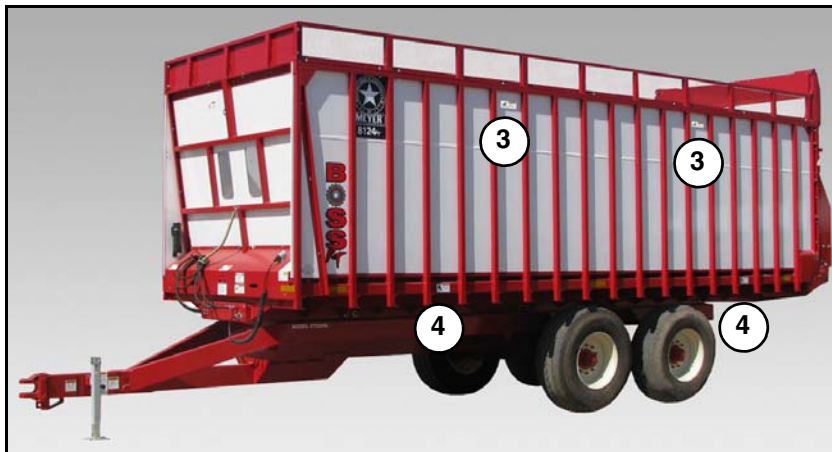


PART NO. 46-0011-D



PART NO. 46-9100-4

SIDE OF FORAGE BOX



PART NO. 46-9100-4



PART NO. 46-0001-205

## 5.3 SHUTOFF & LOCKOUT POWER

Any individual that will be adjusting, servicing, maintaining, or clearing an obstruction from this machine needs to ensure that this machine stays safely “OFF” until the adjustment, service, or maintenance has been completed, or when the obstruction has been cleared, and that all guards, shields, and covers have been restored to their original position. The safety of all individuals working on or around this machine, including family members, are affected. The following procedure will be referred to throughout this manual, so be familiar with the following steps.

### 5.3.1 Shutoff & Lockout Power Recommendations

#### 1. Think, Plan and Check

- a. **Think** through the entire procedure and identify all the steps that are required.
- b. **Plan** what personnel will be involved, what needs to be shut down, what guards / shields need to be removed, and how the equipment will be restarted.
- c. **Check** the machine over to verify all power sources and stored energy have been identified including engines, hydraulic and pneumatic systems, springs and accumulators, and suspended loads.

2. **Communicate** - Let everyone involved, including those working on or around this machine, that work is being done which involves keeping this machine safely “OFF”.

#### 3. Power Sources

- a. **LOCKOUT** - Shut off engines and take the key, or physically lock the start/on switch or control. Disconnect any power sources which are meant to be disconnected (i.e. electrical, hydraulic, and PTO of pull-type units).
- b. **TAGOUT** - Place a tag on the machine noting the reason for the power source being tagged out and what work is being done. This is particularly important if the power source is not within your sight and/or will need to be isolated for a longer period of time.

4. **Stored Energy** - Neutralize all stored energy from its power source. Ensure that this machine is level, set the parking brake, and chock the wheels. Disconnect electricity, block moveable parts, release or block spring energy, release pressure from hydraulic and pneumatic lines, and lower suspended parts to a resting position.

5. **Test** - Do a complete test and personally double check all of the above steps to verify that all of the power sources are actually disconnected and locked out.

6. **Restore Power** - When the work has been completed, follow the same basic procedures, ensuring that all individuals working on or around this machine are safely clear of the machine before locks and tags are removed and power is restored.

**IMPORTANT**

It is important that everyone who works on this equipment is properly trained to help ensure that they are familiar with this procedure and that they follow the steps outlined above. This manual will remind you when to Shutoff & Lockout Power.



## 6.0 PRE-OPERATION



### CAUTION

**DO NOT** allow anyone to operate, service, inspect or otherwise handle this forage box until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

**Verify that the forage box is securely fastened to the tractor / truck.**

**Verify that all electrical / hydraulic connections and bolts / hardware are tight and securely fastened before operating the forage box.**

**Always keep all shields and guards in place and securely fastened.**

**Keep hands, feet and clothing away.**

**Wear safety glasses to prevent eye injury when any of the following conditions exist:**

- **When fluids are under pressure.**
- **Flying debris or loose material is present.**
- **Tools are being used.**

### 6.1 STATIC INSPECTION



### WARNING

**Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition. Failure to heed may result in serious personal injury or death.**

Before operating the forage box for the first time and each time thereafter, check the following items:

1. Check that all safety signs are in good and legible condition.
2. Inspect the forage box for proper adjustments. (See 8.2 ADJUSTMENTS)
3. Lubricate the equipment. (See 8.1 LUBRICATION)
4. Make sure that all guards and shields are in place, secured and functioning as designed.
5. Check condition of all hydraulic components for leaks. Repair or replace as required.
6. Check the gear box oil level. (See 8.1 LUBRICATION)
7. Inspect the condition of safety lighting. Repair or replace as required.
8. Check to see that no obstructions are present in the forage box. Be sure that there are no tools laying on or in the forage box.
9. Verify that all electrical and hydraulic connections are tight and secure before operating.
10. Check that all hardware is in place and is tight.
11. Watch for any worn or cracked welds. If found, have qualified personnel repair immediately or replacement is necessary.
12. Check all bearings for wear. Replace as needed.

## 6.2 LIGHT HOOK-UP

**Truck Models:** A 4 pin electrical socket is provided to connect the electrical control plug from your truck. This will operate signal, tail, clearance and brake lights.

**NOTE:** Depending on make and model of the truck, it may be necessary to install a light converter. (Meyer part #56-0028). Converter allows signal lights and brake lights to operate according to DOT Lighting Standards.

## 6.3 HYDRAULIC HOOK-UP

**Pull Type (Not including 8126):** Requires 25 GPM @ 3000 PSI.

**Truck Mounted (Not including 8126):** Requires a relief valve set at 3000 PSI with a 30 gallon reservoir minimum. Engine RPM should be at 1500 RPM. A 3/4" NPT female connection point provided.

**Pull Type 8126:** Requires 40 GPM @ 3500 PSI.

**Truck Mounted 8126:** Requires a relief valve set at 3500 PSI with a 40 gallon reservoir minimum. Engine RPM should be at 1500 RPM. A 3/4" NPT female connection point provided.

**Tractor PTO Horsepower Requirements:** The hydraulic horsepower requirements may not reflect adequate tractor size for towing the machine. Refer to tractor weight requirements for these recommendations and safety section for additional tractor and towing requirements.

Call the factory for further information.

**IMPORTANT**

**Do not exceed maximum PSI or a motor failure could result.**

**Truck Mounted Units:** Connect the hydraulic pressure (Wet Kit) and the Return line to the pressure and return line of the forage box.

## 6.4 HITCHING TO TRACTOR

Move to the operator's position, start the engine and release the parking brake.



**WARNING**

**Do not allow anyone to stand between the tongue or hitch and the tractor when backing up to the Forage Box.**

Move the tractor in front of the forage box. Slowly move the tractor backwards towards the forage box and align the drawbar with the implement's hitch.

**NOTE:** Lower or raise the forage box jack to properly align the drawbar and hitch.

Fasten the forage box hitch to the tractor drawbar with a properly sized hitch pin with safety retainer. (Reference ANSI/ASABE AD6489-3 Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar.) (See your Trailer / Chassis manual for further details.)

Before operation and after hitching the tractor to the implement, connect the hydraulic hoses and light cord to the tractor.

## 6.5 START-UP AND SHUT-DOWN

---



### CAUTION

DO NOT allow anyone to operate, service, inspect or otherwise handle this forage box until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

Before operating the forage box, look in all directions and make sure no bystanders, especially small children are in the work area.

---



### WARNING

Disengage the hydraulic power, engage the machine's parking brake, stop the engine and make sure all moving components are completely stopped before connecting, disconnecting, adjusting or cleaning this equipment.

Always keep all shields and guards in place and securely fastened.

Keep hands, feet and clothing away.

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### 6.5.1 Start-Up

Enter the tractor or truck and start the engine.

Slowly engage the PTO / hydraulics and operate at idle speed.

### 6.5.2 Shut-Down

Disengage the PTO / hydraulics.

Park the tractor / truck on a flat, level surface.

Engage the parking brake, stop the engine and exit the tractor or truck.

## 6.6 OPERATIONAL CHECKS

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### CAUTION

Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

**DO NOT** allow anyone to operate, service, inspect or otherwise handle this forage box until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

Before operating the forage box, look in all directions and make sure no bystanders, especially small children are in the work area.

---



### WARNING

Always keep all shields and guards in place and securely fastened. Keep hands, feet and clothing away.



### DANGER

Make certain all personnel are clear of the forage box before applying power. Failure to heed may result in serious personal injury or death.

Before running material through the forage box for the first time and each time thereafter, follow the steps listed below.

1. Make sure forage box is empty.
2. Follow the Start-Up procedure section 6.5.1 Start-Up.
3. Operate the forage box for approximately 5-10 minutes.
4. Follow the Shut-Down procedure section 6.5.2 Shut-Down.
5. Check drive components to be sure components are not abnormally hot.
6. Check all hydraulic components for leaks.
7. Adjust and lubricate equipment as needed. (See 8.1 LUBRICATION) & (See 8.2 ADJUSTMENTS).

## 6.7 TRANSPORTING



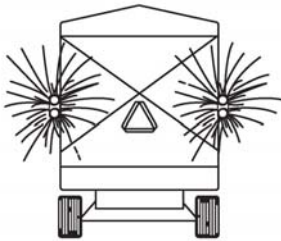
### CAUTION

#### AVOID SERIOUS INJURY OR DEATH

- Read and understand owner's manual before using. Review safety precautions annually.
- Before operating the forage box, look in all directions and make sure no bystanders, especially small children are in the work area.
- No riders allowed when transporting.
- Do not drink and drive.
- Before moving, be sure required lights and reflectors are installed and working.
- Before maintenance or repair, stop vehicle, set parking brake, and remove ignition key.
- Place safety stands under frame and chock wheels before working on tires or chassis.
- Maintain wheel bolts at torque as recommended in the manual.
- If equipped with brakes, maintain proper adjustment.



### CAUTION



#### Pull-Type Units

- Use flashing warning lights when transporting on ALL highways (public roadways) at ALL times (Tractor towed models) EXCEPT WHEN PROHIBITED BY LAW! (Check w/local law enforcement).
- By all state and federal laws, implement lights do not replace the SMV (Slow-Moving Vehicle) identification emblem. All towed agricultural vehicles must display SMV emblems when traveling LESS than 20 mph (32 kph).
- Check for traffic constantly. Be sure you can see that no one is attempting to pass you and that all traffic is sufficiently clear from you before making any turns.
- Securely attach to towing unit. Use a high strength appropriately sized hitch pin with mechanical retainer and attach safety chain.
- Do not exceed 20 mph (32 kph). Slow down for corners and rough terrain.



### WARNING



#### To Prevent Serious Injury Or Death

- Keeps hands and body out of the hitch area when attaching towing vehicle.
- Keep body clear of crush point between towing vehicle and load.



### WARNING



#### To Prevent Serious Injury Or Death

- Shift to lower gear before going down steep grades.
- Avoid traveling on slopes or hills that are unsafe.
- Keep towing vehicle in gear at all times.
- Never exceed a safe travel speed (which may be less than 20 MPH.).

## WARNING

You must observe all applicable traffic laws when transporting on public roadways. Check local laws for all highway lighting and marking requirements. Failure to heed may result in serious personal injury or death.

## WARNING

(Tractor Powered) Do not tow at speeds in excess of 20 mph. Failure to heed may result in serious personal injury or death.

## IMPORTANT

Verify that the rear discharge door latches have engaged the apron chain links, securing the doors in the closed position before traveling on roadways.

## IMPORTANT

The running gear on tractor pulled models may be equipped with a telescoping tongue for convenience to hitch up. Always back up and lock this tongue in the operating position after hitching.

## IMPORTANT

If you will travel on public roads and it is legal to do so, you must know all rules governing such operation. This will include lighting and brake requirements in addition to traffic rules.

**NOTE:** An Optional Highway Lighting Package is available to assist in meeting these requirements. See your Meyer Dealer for Details.

### 6.7.1 Safety Chain

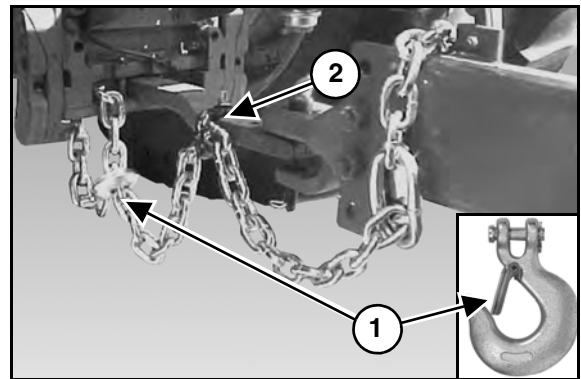
## WARNING

A safety chain must be installed to retain the connection between the tractor (or other towing vehicle) and implement whenever traveling on public roads in case the hitch connection would separate.

The chain must be of adequate size to hold the weight of the loaded forage box. See your ag cart or wagon owner / operator's and parts book, which is also available at [www.meyermfg.com](http://www.meyermfg.com).

**NOTE:** If using a grab hook at the end(s) of the chain to secure the chain to itself, a hook latch (Item 1) must be installed.

The length of the safety chain is not to be any longer than necessary to turn without interference. If any chain links or attachment hardware are broken or stretched, repair before using. Store chain so it does not corrode or become damaged. Do not use this chain for other implements because the strength and length of the chain may not be adequate. Identify this chain for use on this particular forage box.



**NOTE:** Do not use the intermediate support (Item 2) as the attaching point.

## IMPORTANT

If you do not have a safety chain, or a replacement safety chain is needed, see your local Meyer dealer and do not operate on public roads until you are able to travel with the safety chain properly installed.

### 6.7.2 Brake Information

See your trailer / chassis manual for brake and braking Information.

### 6.7.3 Tractor Towing Size Requirements

Use the following charts to help calculate the minimum tractor weight when towing without implement brakes. The minimum tractor weight, up to 20 mph (33 kph) needs to be 2/3's of the box Gross Weight (GW). Gross Weight is calculated by the empty weight of the box and undercarriage combined added to the Load Weight. Then take the Gross Weight and multiply it by 0.667 and you will get the Minimum Required Weight of the Tractor.

*Gross Weight*

FORAGE BOX WEIGHT, EMPTY (LBS)		UNDERCARRAIGE WEIGHT (LBS)		LOAD (LBS)		GROSS WEIGHT (GW) (LBS)
	+		+		=	GW
	+		+		=	

*Minimum Required Weight of the Tractor*

2/3		GROSS WEIGHT (GW) (LBS)		MINIMUM TRACTOR WEIGHT (LBS)
0.667	x	GW	=	TW
	x		=	





## 7.0 OPERATION



DO NOT allow anyone to operate, service, inspect or otherwise handle this forage box until all operators have read and understand all of the instructional materials in this Operator's And Parts Manual and have been properly trained in its intended usage.

Before operating the forage box, look in all directions and make sure no bystanders, especially small children are in the work area.

Do not climb or step on any part of the forage box at any time.

Turn on level ground. Slow down when turning.

Go up and down slopes, not across them.

Keep the heavy end of the machine uphill.

Do not overload the machine.

Check for adequate traction.



### 7.1 LOADING



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

**IMPORTANT**

Overloading may cause failure of axles, tires, structural members, hitches, loss of vehicle control. **DO NOT** exceed maximum gross weight. (See 11.0 SPECIFICATIONS on page 77.)

**IMPORTANT**

Filling the forage box evenly from the front to rear will ensure there is downward force on the tractor hitch and provide traction for the tractor wheels.

**NOTE:** Heaping material over the sides of the box will add a significant amount of weight to the load.

**NOTE:** Overloading can have detrimental effects on the integrity of the implement and it's safe use. Some materials such as soybeans may not be able to be filled to struck level. Overloading will void warranty and increase risk to the operator's safety. Always be aware of your gross weight.

MAXIMUM FORAGE BOX GROSS WEIGHT	
MODEL	LBS
8118RT	50,000
8120RT	50,000
8122RT	50,000
8124RT	50,000
8126RT	50,000

MATERIAL ESTIMATED WEIGHT PER CUBIC FOOT	
MATERIAL	LBS / CU.FT.
Soybeans	47 lbs.
Cotton Seed (Dry)	20 lbs.
Corn (Shelled)	45 lbs.
Corn Silage	30 lbs.
Haylage	20 lbs.
Sawdust	17 lbs.

**NOTE:** Maximum Gross Weight is the lesser value between the Implement, chassis, or tires

**NOTE:** The front of the forage box is equipped with a plexiglass window(s) to monitor forage level from the operator's position.

Drive alongside the loading vehicle. Fill the forage box evenly to properly distribute the load while loading. When dumping into the box with an end-loader, center the bucket just forward of the axle to properly distribute the load while loading.

## 7.2 UNLOADING



**Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.**



**STAND CLEAR**, the rear discharge door can spring open quickly and with extreme force.

**Keep all persons well clear of the rear discharge door, forage box and unloading area.**

**The rear discharge door opens automatically by releasing its latches as the main aprons begin to move.**

**Pressure of forage against the rear door causes it to spring open very quickly.**

## IMPORTANT

**The unloading process described is to be performed by the operator alone. This will eliminate unexpected “start-ups” and minimize other hazards that could result by more than one person in control.**

**NOTE: Unloading is best observed from the operator’s seat.**

**NOTE: The front of the forage box is equipped with plexiglass windows to monitor forage level from the operator’s seat.**

Enter the tractor / truck, start the engine, release the parking brake.

Move the tractor / truck and forage box to the unloading area.

Place all tractor / truck controls in neutral, engage the parking brake and **SLOWLY** engage the apron chains to open the rear door.

Once the load has started to move, release the parking brake, move forward to prevent the silage from being carried underneath into the main apron chain return area. The front of the box has a plexiglass window for convenient observation. Watch to verify the rear doors have properly latched.

**NOTE: Do not operate above the rated 1500 rpm engine speed.**



When finished unloading, reduce engine speed to idle and disengage the hydraulics. Move the forage box forward, away from the unloaded pile of forage. When free, gravity will allow the door to swing shut and the door latches to engage the apron chain links, securing the door(s) in the closed position.

Exit the tractor / truck and verify that the door latches have engaged the apron chain links properly, securing the doors in the closed position.



**Never enter the forage box without shutting power “OFF” to the machine. (See 5.3 SHUTOFF & LOCKOUT POWER on page 16.)**

**Never use “LIVE” power to aid in the clean-out of a clogged machine.**

## IMPORTANT

If the forage box becomes clogged, shut off all power to the forage box and wait until all rotating components are completely stopped. (See 5.3 SHUTOFF & LOCKOUT POWER on page 16.)

## IMPORTANT

If any component fails, shut off all power to the forage box and move the forage box to a safe work area. Repair or replace damaged components before proceeding with unloading of the forage.

### *Unloading Into A Bunker*

Keep moving forward to prevent forage from being carried underneath into the main apron chain return area.

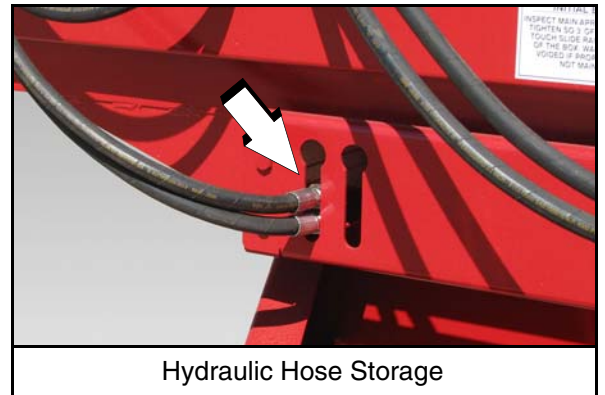
### 7.3 UNHOOKING THE TRACTOR

1. Park the implement on level ground. Put the tractor controls in neutral, set the parking brake, and turn the engine off before dismounting.
2. Place wheel chocks in front and in back of the implement wheels on opposite sides to prevent the implement from rolling after the tractor is unhooked.
3. Remove the hydraulic hose ends from the tractor hydraulic ports and secure the hose ends in the key slot holes on the front of the box to keep them clean.
4. Remove the light cords and any optional equipment connections.
5. Remove the jack from the storage mount and install it on the hitch tongue. Crank the jack down until the hitch lifts off the tractor draw bar.



## WARNING

Jack may not be designed to support the implement when it is loaded.



6. Remove the hitch pin.
7. Unhook safety chain from tractor drawbar and intermediate support.
8. Slowly drive the tractor away from the implement.

## 7.4 STANDARD REAR DISCHARGE DOOR AND GATE DELAY

### *How The Door Opens*

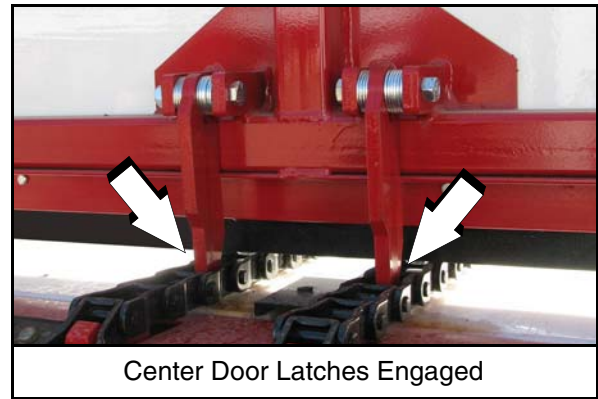
Your gate delay is plumbed into your hydraulic line. When you turn on your hydraulic PTO, it pressurizes your rear gate cylinder. The door releases from the apron chain and the forage pushes the gate open. When the forage is nearing the end of cleaning out, you will see the gate held open by the hydraulic cylinder.

### *How The Door Closes*

When finished unloading, reduce engine speed to idle and disengage hydraulic power.

Move the tractor and forage box forward, away from the unloaded forage. When the main hydraulic power has been turned off, hydraulic pressure will be relieved to allow the door to swing shut and the two outside and two center door latches to engage the apron chain links to secure the door in the closed position.

Using the front plexiglass window for viewing, verify the rear gate has properly latched. If the door latches are not automatically latching, move the washers on either side of the latch so that the latch is centered in the main apron chain link. If the latch is bent or wore (See STANDARD REAR DOOR on page 42.) of this manual for replacement.



## 7.5 AIR DOUBLE DOOR (OPTIONAL)

### *Opening The Doors*

Engage the tractor / truck hydraulics to stop the air flow to the two door closing cylinders.

**NOTE: Stopping the air flow to the two cylinders will allow the doors to open under load pressure and apron chain movement.**

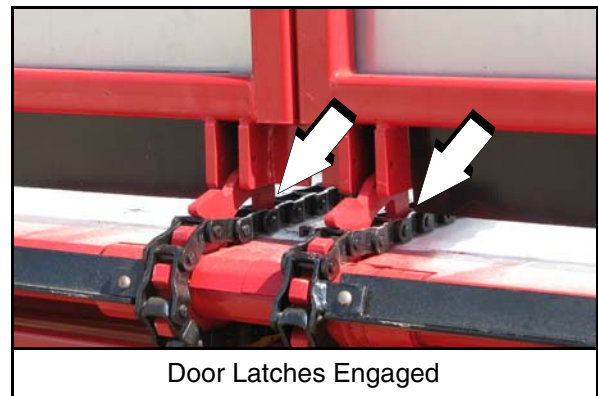
### *Closing The Doors*

Move the tractor / truck and forage box forward, away from the unloaded forage.

Stop the tractor / truck, disengage the hydraulics, restoring air flow to the two door closing cylinders.

Allow the two doors to fully close and the door latches to engage the apron chain links, securing the doors in the closed position.

Using the front plexiglass window for viewing, verify the rear gate has properly latched. If the door latches are not automatically latching, move the washers on either side of the latch so that the latch is centered in the main apron chain link. If the latch is bent or wore (See STANDARD REAR DOOR on page 42.) of this manual for replacement.



## 7.6 HYDRAULIC DOUBLE DOOR (OPTIONAL)

### *Opening The Doors*

The rear doors open automatically under load pressure and apron chain movement.

**NOTE: As the rear doors open, hydraulic oil is forced out of the cylinders and into the hydraulic return line, allowing the rear doors to open under load pressure and apron chain movement.**

### *Closing The Doors*

When finished unloading, move the tractor and forage box forward, away from the unloaded forage.

Reverse the hydraulic control lever in the tractor so the return line becomes pressurized.

**NOTE: A check valve in the system keeps the box from running backwards, and a relief valve protects the system from being over pressurized.**

Allow the two doors to fully close and the door latches to engage the apron chain links, securing the doors in the closed position.

Using the front plexiglass window for viewing, verify the rear gate has properly latched. If the door latches are not automatically latching, move the washers on either side of the latch so that the latch is centered in the main apron chain link. If the latch is bent or wore (See STANDARD REAR DOOR on page 42.) of this manual for replacement.





## 8.0 MAINTENANCE

### 8.1 LUBRICATION



Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

### IMPORTANT

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

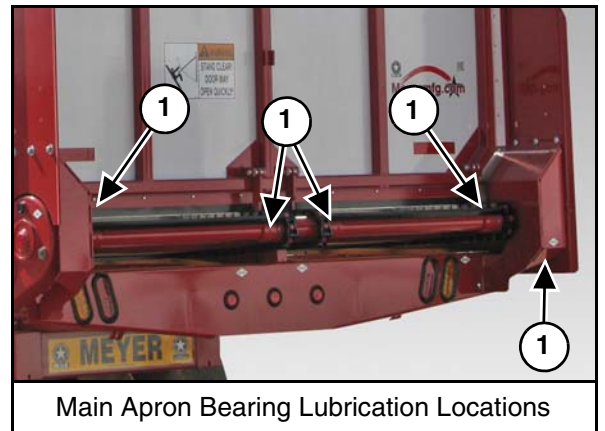
**DAILY** or every **8-10 loads**:

**NOTE:** Use a grease type that is composed of a high quality lithium complex or better, unless otherwise stated. We recommend using a #1 grade in colder temperatures or a #2 grade in warmer temperatures.

- Grease the five (5) main apron bearings (Item 1).

**NOTE:** The 8126 Model has four (4) main apron bearings and a gearbox on the right hand side.

- Apply oil to the apron chains and inspect all forage box components for wear or damage. Repair and replace components as necessary.



Main Apron Bearing Lubrication Locations

- Using the visual indicator on the gearbox, check gear lube in the gear box. The oil level should be at the top of the sight glass when parked on level ground.

Remove the plug (Item 1). Gear lube level should be at the bottom of the plug hole and flowing out. Add EP 80-90 gear lube as needed (Lighter oil may be used in temperatures lower than 20° F.)

**NOTE:** Change oil in the gear box after the first season of use and yearly thereafter.

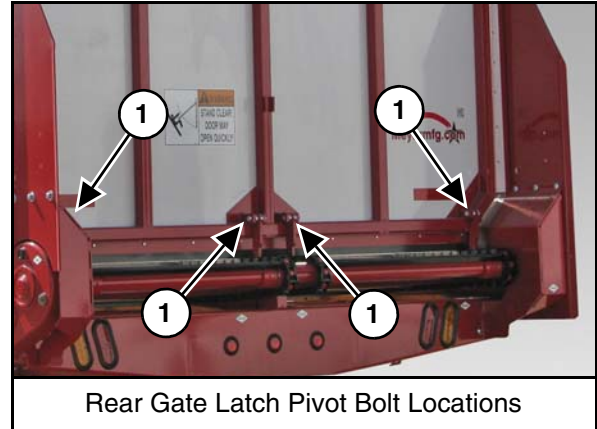


Gear Box

**Every 100-150 loads:**

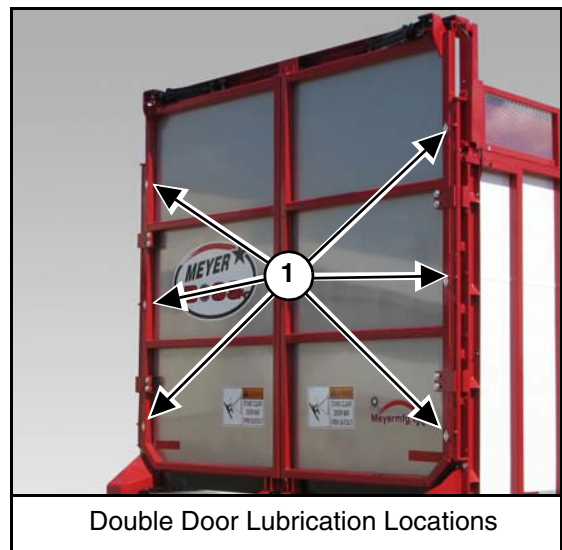
- Apply oil to the four (4) rear gate latch pivot bolts (Item 1).

**NOTE: Double doors will have two (2) rear gate latch pivot bolts.**



- Lubricate the six (6) double door locations (if equipped).

**Equivalent Viscosity of ISO-VG Grades at 104°F and SAE Gear Lube Grades**





## 8.2 ADJUSTMENTS



# CAUTION

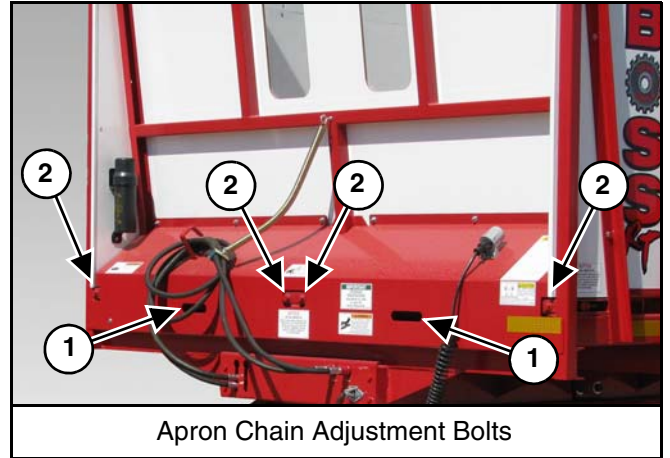
Shutoff and lockout power before performing machine service, adjusting, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

Visually inspect the tension on the apron chains through the two slots (Item 1).

The second apron chain slat (approximately three feet back from the front of the box) should be 1/8" to 1/4" off the return slides (both sides).

Tighten the adjuster bolts (Item 2) at each end of the front sprocket shaft equally.

**NOTE: If adjuster bolt(s) reaches maximum travel, remove equal links from each strand. Removable links are provided in the chain.**



## 8.3 STORING THE FORAGE BOX

LOCKOUT / TAGOUT the machine / forage box. (See 5.3 SHUTOFF & LOCKOUT POWER on page 16.)

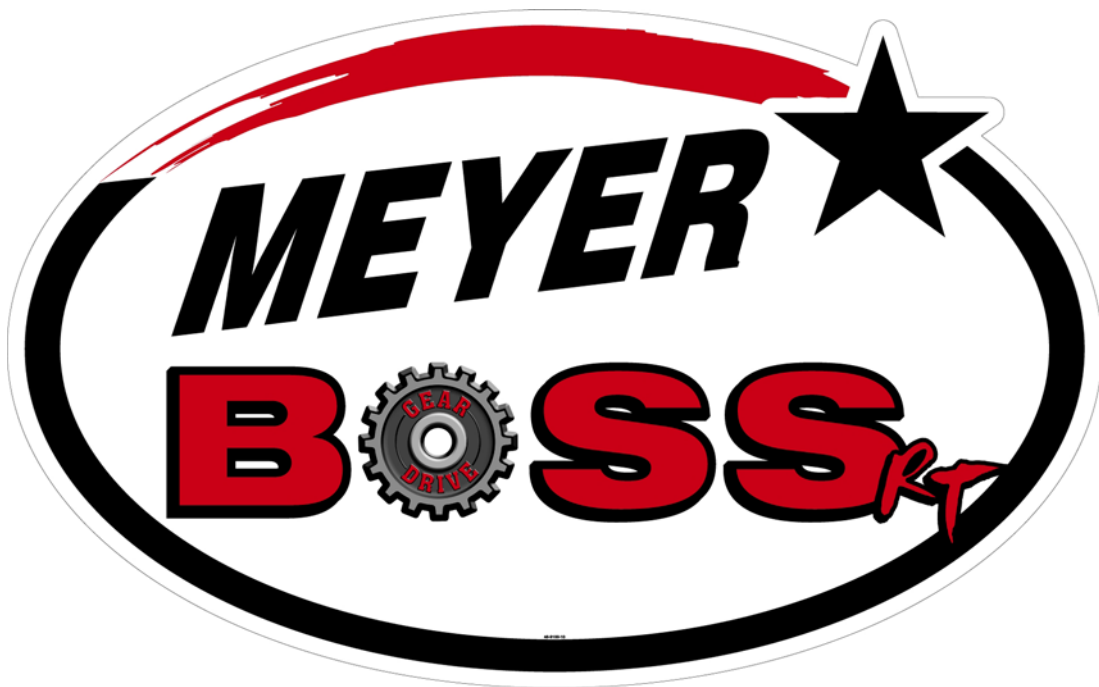
Sometimes it may be necessary to store your Meyer forage box for an extended period of time. Below is a list of items to perform before storage.

- Fully empty the forage from the box. (See 7.0 OPERATION on page 25.)
- Thoroughly clean the equipment.
- Lubricate the equipment. (See 8.1 LUBRICATION on page 31.)
- Apply oil to the apron chains and inspect all forage box components for wear or damage. Repair and replace components as necessary.
- Make appropriate adjustments to equipment. (See 8.2 ADJUSTMENTS on page 33.)
- Place hydraulic hoses and 7-pin connector in the storage brackets (if equipped).
- Inspect the hitch and all welds on the equipment for wear and damage.
- Check for loose hardware, missing guards, or damaged parts.
- Check for damaged or missing safety signs (decals). Replace if necessary.
- Replace worn or damaged parts.
- Touch up all paint nicks and scratches to prevent rusting.
- Place the equipment in a dry protected shelter.
- Place the equipment flat on the ground.

## 8.4 RETURNING THE FORAGE BOX TO SERVICE

After the Meyer forage box has been in storage, it is necessary to follow a list of items to return the equipment to service.

- Be sure all shields and guards are in place.
- Lubricate the equipment.
- Connect to a tractor and operate equipment, verify all functions operate correctly.
- Check for leaks. Repair as needed.



## 9.0 PARTS REPAIR AND REPLACEMENT

### 9.1 REPLACEMENT PARTS



#### WARNING

Before servicing this equipment, insure that all personnel, including family members are familiar with the equipment and the safety hazards that are present, along with the safety practices that should be observed while working in this equipment.



#### CAUTION

Inspect the chassis' axles, o-beams, spindles, tires, hitches & all safety shielding, safety signs and safety lighting regularly. These parts if not watched closely, could pose potential injury or death. If any part is found in need of repair, follow the SHUTOFF & LOCKOUT POWER recommendations and have qualified personnel repair immediately.

At times parts on this implement will become worn or damaged. Performing repairs on this implement can pose a risk of injury including death. To reduce risk, the party that will be doing the repair should be very knowledgeable of the implement and the equipment that they will be using to do the repair.

- Review the repair so that a plan can be put together and the proper equipment can be used to repair this implement safely and correctly.
- Personal safety equipment may include items such as safety glasses, protective footwear, hearing protection, gloves, fire retardant clothes, etc.



#### WARNING

#### Crushing Hazard

Do Not work under suspended or blocked parts.



- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who have proven their skills.

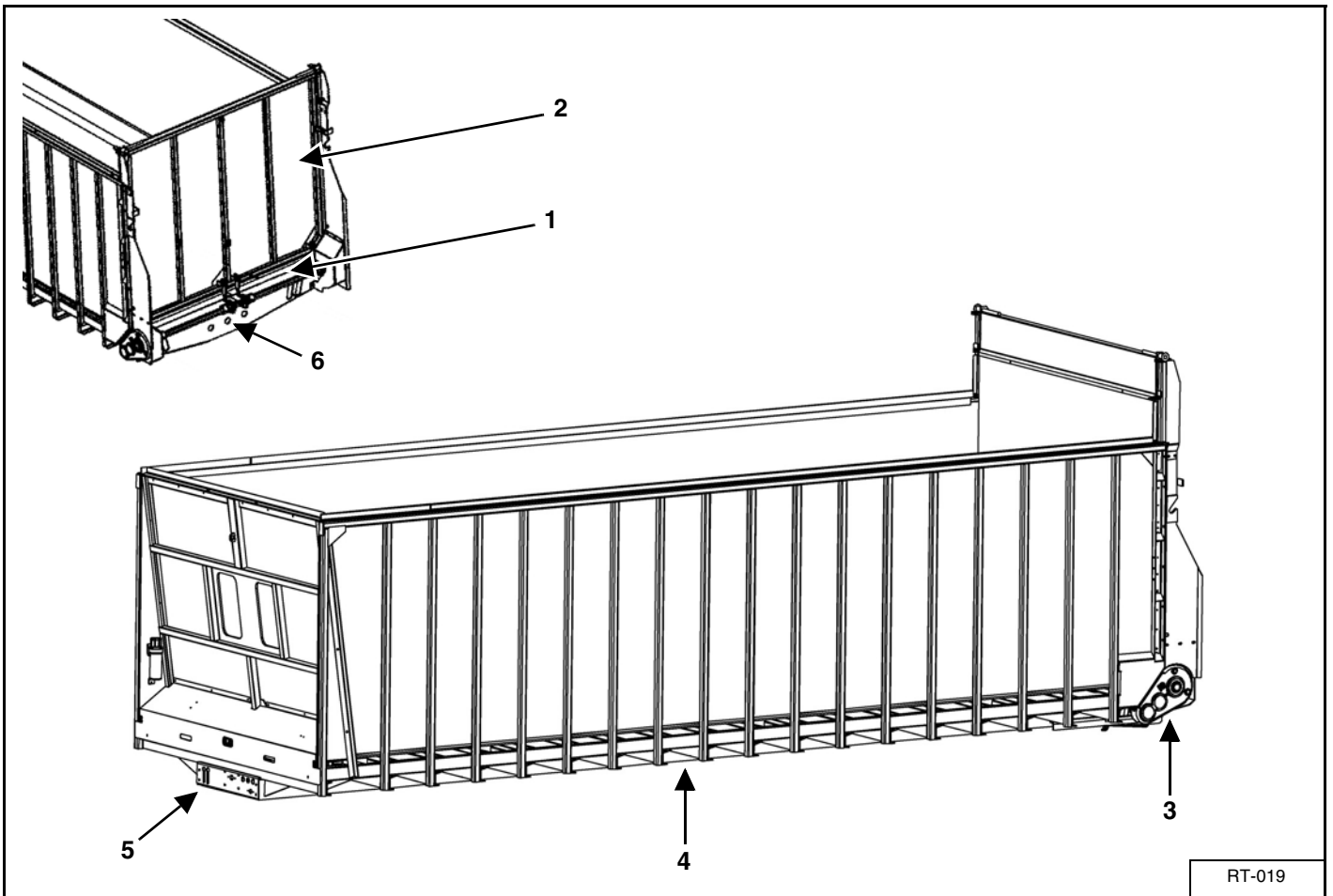
#### IMPORTANT

Call the factory for any additional details you may need to perform the repair. Some parts may come with instruction sheets to assist in the repair. Instructions sheets may be provided with your parts order. Otherwise, if available, instruction sheets can be e-mailed or faxed for your convenience. Call Meyer Manufacturing Corporation toll free at 1-800-325-9103 or email [parts@meyermfg.com](mailto:parts@meyermfg.com).

**NOTE:** Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

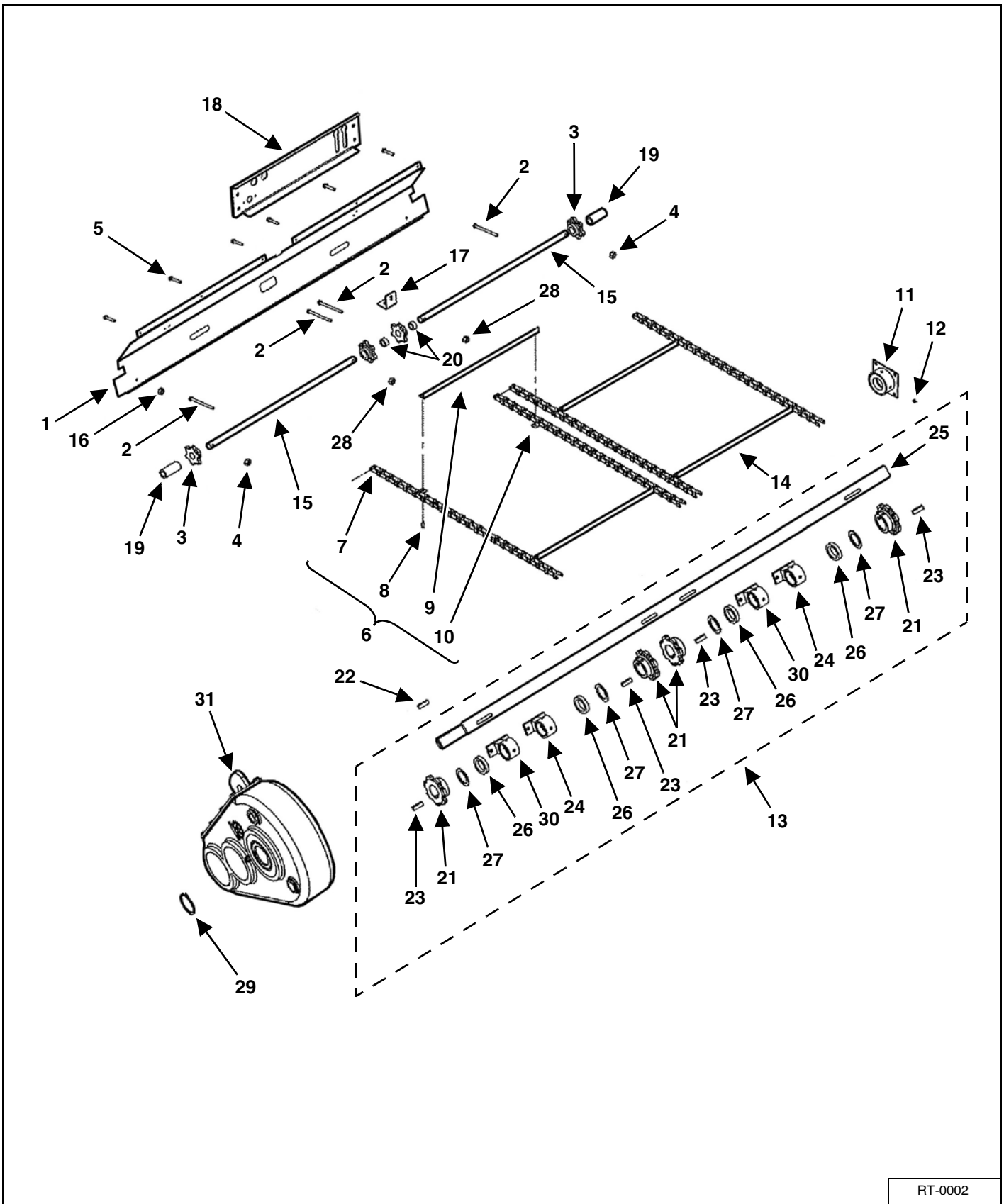


8100 BOSS RT



KEY	DESCRIPTION	PAGE #
1	APRON	40
2	STANDARD REAR DOOR	42
3	19-0204 REAR GEARBOX	44
4	8100 MAIN BODY	46
5	HYDRAULIC SYSTEM	48
6	REAR LIGHTING	50

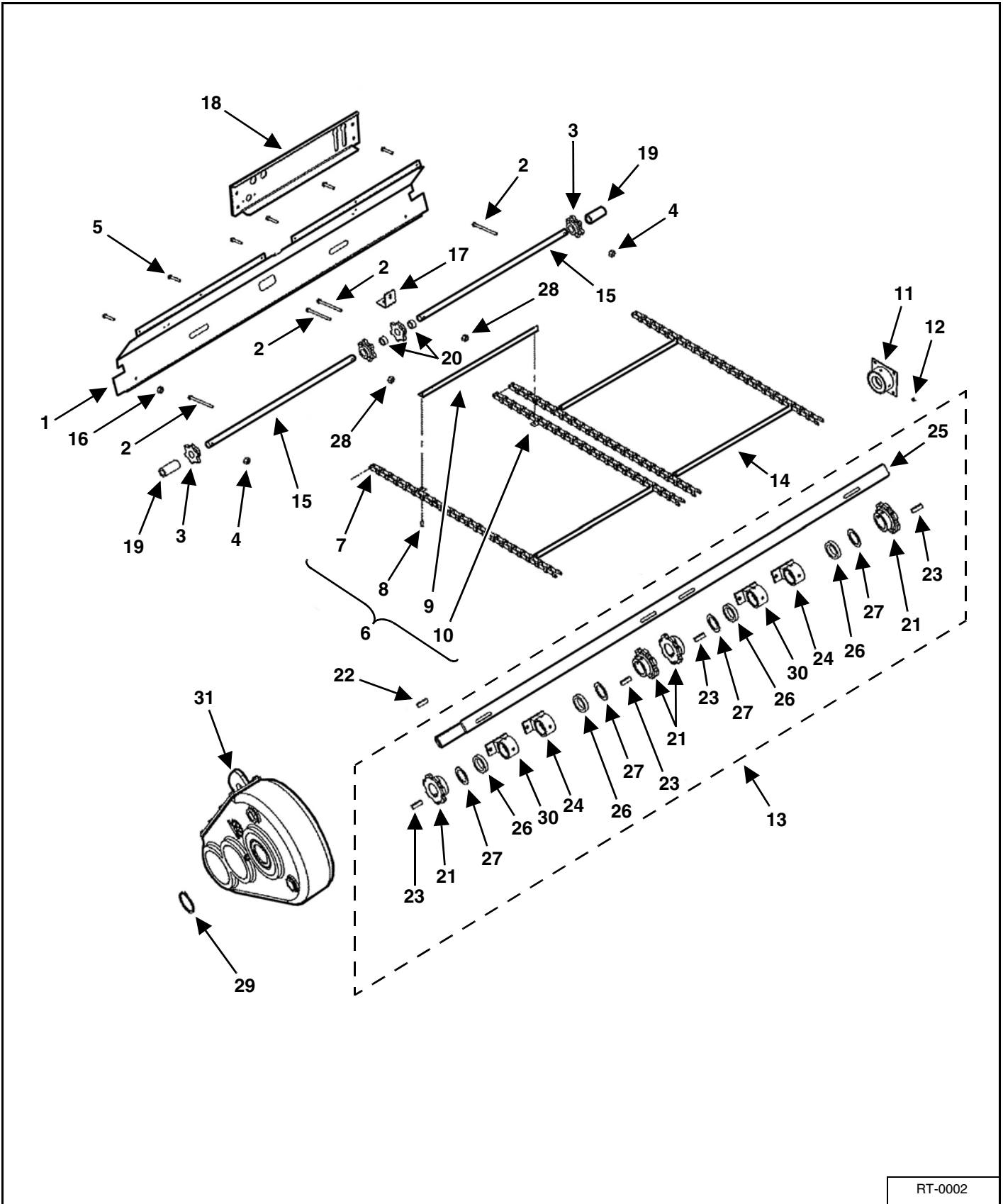
# APRON



RT-0002

KEY	PART NUMBER	QTY	DESCRIPTION
1	24-8007	1	Front Apron Chain Shield
2	25-8009	4	Apron Chain Tightener Bolt
3	110-667B7-1.25-1	4	Idler Sprocket W/Bushing
	13-0027	4	Bushing, 1-1/4" ID x 1-5/8" OD x 2" Long
	110-667B7-2.00-2	4	Idler Sprocket (Models W/Reverse Apron, SN 1581201 & Later)
	13-0025	4	Bushing, 2" ID x 2-1/4" OD x 2" Long
4	25-8010	2	Outer Tightener Nut
5	851-3118-1Z	6	5/16"-18 x 1" Hex Head Bolt
6	11-0300	2	Main Apron Chain Assembly (18 Ft) 667XH
	11-0301	2	Main Apron Chain Assembly (20 Ft) 667XH
	11-0302	2	Main Apron Chain Assembly (22 Ft) 667XH
	11-0303	2	Main Apron Chain Assembly (24 Ft) 667XH
	11-0304	2	Main Apron Chain Assembly (26 Ft) 667XH
7	11-0107-2-D	AR	Pintle Chain Link - D667XH W/2 D-Pins & Cotters
8	11-0107-6	AR	Rivet 7/16 x 1-1/8"
9	11-0171-1	AR	Slat 35-7/8" Long
10	11-0107-3-D	AR	Attachment Link-D667XH
11	100-8080-10	1/0	RH Main Drive Shaft Bearing Assembly (Excluding 8126)
	614-0006-5	1/0	Main Roller Bearing Only (SN 1581345 & Later)
12	30-0002	1/0	1/8" NPT Straight Zerk
13	100-8080-11	1	8118/20/22/24 Main Drive Shaft Assembly (Prior to SN 1781289)
	23-0168	1	8118/20/22/24 Main Drive Shaft Assembly (SN 1781289 & Later)
	100-8126-8	1	8126 Main Drive Shaft Assembly (Prior to SN 1781289)
	23-0169	1	8126 Main Drive Shaft Assembly (SN 1781289 & Later)
14	11-0171	AR	667XH Slat W/Attachment Links
15	23-0090-1	2	Idler Shaft
	23-0115	2	Reverse Apron Idler Shaft (SN 1581201 & Later)
16	815-3118-Z	6	5/16"-18 Nylon Nut
17	100-8080-25	1	Front Gate Center Support Weldment
18	100-8129-5-1	1	Front Stringer Support Plate
19	100-8080-21	2	Front Idler Shaft Outer Spacer
	100-8126-22	2	Front Idler Shaft Outer Spacer (Models W/Reverse Apron, SN 1581201 & Later)
20	100-8080-22	2	Front Idler Shaft Inner Spacer
	100-8080-33	2	Front Idler Shaft Inner Spacer (Models W/Reverse Apron, SN 1581201 & Later)

APRON (CONT'D)

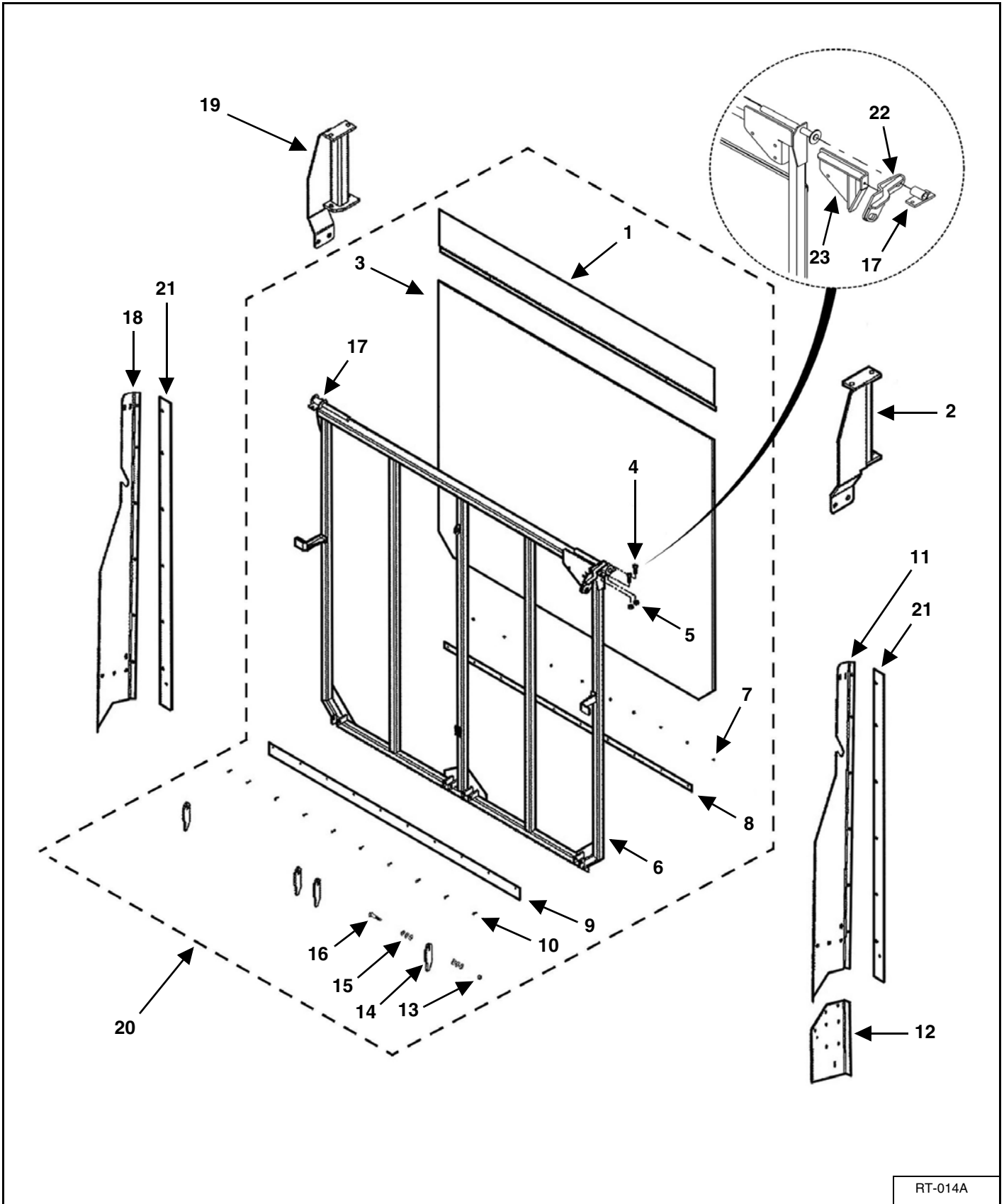


RT-0002



KEY	PART NUMBER	QTY	DESCRIPTION
21	110-667B7-2.38-1	4	Rear Drive Sprocket
22	35-0041	1/2	10 mm x 16 mm x 5.094" 1045 Key (Prior to SN 1781289)
	135-5050-5-2	1/2	1/2" x 1/2" x 5" 1045 Key (SN 1781289 & Later)
23	35-0034	4	5/8" x 7/16" x 2" 1045 Key (Prior to SN 1781289)
	135-6363-2-1	4	5/8" x 5/8" x 2" 1045 Key (SN 1781289 & Later)
24	100-8125-1-14-2-SR	2	Right Drive Shaft Bearing Assembly
	100-8125-1-14-2-1	2	Drive Shaft Bearing
25	100-8080-7-1	1	8118/20/22/24 Rear Main Drive Shaft (Prior to SN 1781289)
	23-0168-1	1	8118/20/22/24 Rear Main Drive Shaft (SN 1781289 & Later)
	100-8126-8-1	1	8126 Rear Main Drive Shaft (Prior to SN 1781289)
	23-0169-1	1	8126 Rear Main Drive Shaft (SN 1781289 & Later)
26	100-8125-1-27-1	4	Drive Shaft Spacer Washer
27	633-0025	4	Rear Drive Spacer 10GA
28	100-8080-26	2	Inner Tightener Nut
29	33-0051	1/2	55 mm External Retaining Ring (Prior to SN 1781289)
	33-0062	1/2	2-3/8" External Retaining Ring (SN 1781289 & Later)
30	100-8125-1-14-2-SL	2	Left Drive Shaft Bearing Assembly
	100-8125-1-14-2-1	2	Drive Shaft Bearing
31	See Page 44	1/2	Rear Gearbox

# STANDARD REAR DOOR

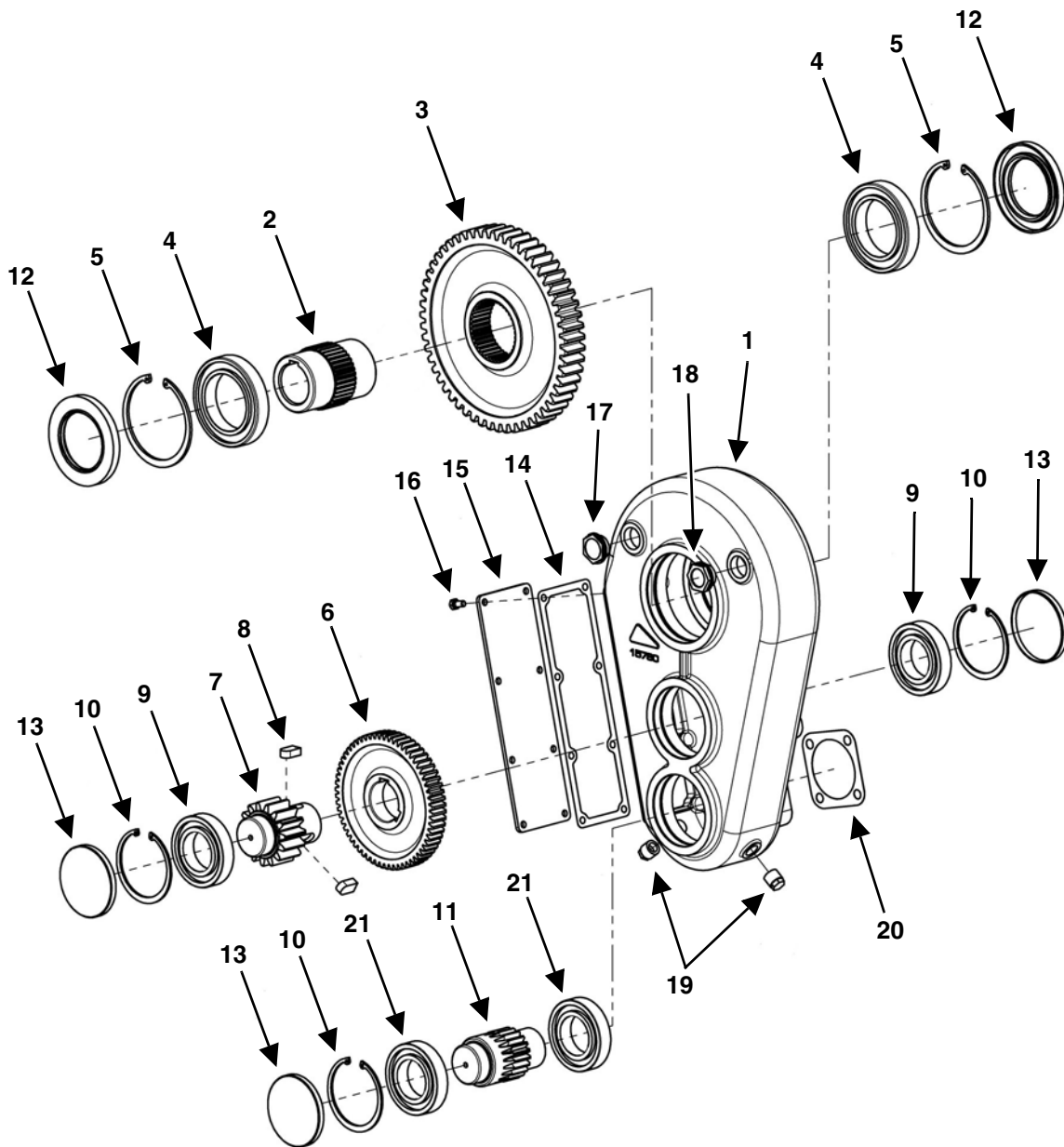


RT-014A

KEY	PART NUMBER	QTY	DESCRIPTION
1	100-8060-1-7	1	High Gate Top Panel (High Gate Only)
2	100-8080-29	1	Right Pivot Extension Assembly (Standard Gate)
	100-8080-24	1	Right Pivot Extension Assembly (High Gate)
3	100-8080-14-2	1	Rear Gate Fiberglass Woven Panel, 95.5" x 80.25"
4	851-5013-1.5Z	4	1/2"-13 x 1.5" Hex Head Machine Bolt
5	810-5013-Z	4	1/2"-13 Spin Locknut
6	100-8080-28-1	1	Back Gate Welded Assembly, 82-1/2"
	100-8080-14-1	1	High Back Gate Welded Assembly, 94-1/2"
7	810-2520-Z	10	1/4"-20 Spin Locknut
8	100-8080-14-3	1	Belting Attaching Strip
9	100-8080-14-4	1	Back Gate Belting
10	851-2520-.75Z	10	1/4"-20 x 3/4" Hex Head Machine Bolt
11	100-8080-9	1	Right Rear Mount Plate Weldment
	100-8126-13	1	8126 Right Side Rear Mount Plate Assembly
12	100-8080-1-3-1	1	Right Rear Bearing Plate (Single Drive Units Only) (Welded On)
13	814-5013-Z	4	1/2"-13 Center Locknut
14	100-8012-7	4	Back Gate Latch
15	805-0050-Z	AR	1/2" Flat Washer
16	851-5013-2.5Z	4	1/2"-13 x 2.5" Hex Head Machine Bolt
17	100-8012-15	2	Back Gate Hinge Weldment
18	100-8080-8	1	Left Rear Mount Plate Weldment
19	100-8080-30	1	Left Pivot Extension Assembly (Standard Gate)
	100-8080-23	1	Left Pivot Extension Assembly (High Gate)
20	100-8080-28	1	Back Gate Assembly Complete, 82-1/2"
	100-8080-14	1	High Back Gate Assembly Complete, 94-1/2"
21	100-8080-8-2	2	8100 Clad Tuff End Cap
22	25-8452	1	RH Back Gate Hinge Weldment W/Shear Bolt (SN 1381228 & Later, Including 1381213 & 1381214)
23	25-8450	1	Gate Delay Cylinder Mount (Prior to SN 1381228, Excluding 1381213 & 1381214)
	25-8453	1	Gate Delay Shear Arm Mount (SN 1381228 & Later, Including 1381213 & 1381214)

# REAR GEARBOX

USE ONLY EP 80W-90  
GEAR LUBE ONLY

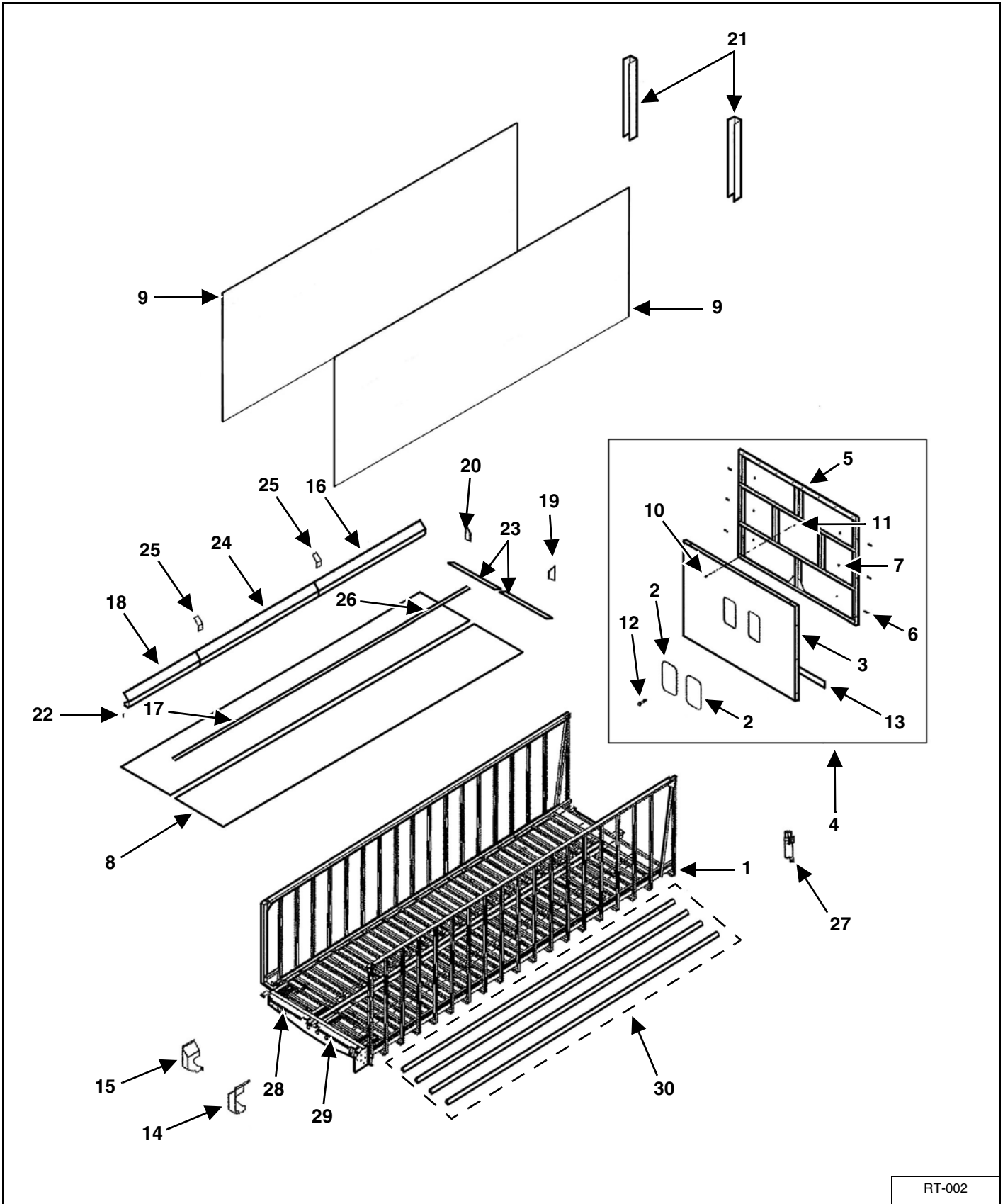


**NOTE:** The seal for the hydraulic motor (Key 28) should be installed dry or with light oil. The hydraulic motor mounting bolts should be torqued to 63 ft-lbs (or 85 N-m).

RT-001

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0204-RH	1	Right Rear Gearbox (Prior to SN 1781289)
	19-0204-LH	1	Left Rear Gearbox (Prior to SN 1781289)
	19-0304-RH	1	Right Rear Gearbox (SN 1781289 & Later)
	19-0304-LH	1	Left Rear Gearbox (SN 1781289 & Later)
1	19-0204-1	1	Gearbox Housing
2	19-0204-2	1	Hub (Prior to SN 1781289)
	19-0304-1	1	Hub (SN 1781289 & Later)
3	19-0204-3	1	Large Gear
4	19-0204-4	2	Large Bearing
5	19-0204-5	2	Snap Ring
6	19-0204-6	1	Small Gear
7	19-0204-7	1	Upper Pinion
8	19-0204-8	2	Key 16 x 10 x 28
9	19-0204-17	4	Small Bearing
10	19-0204-10	3	Snap Ring
11	19-0204-11	1	Lower Pinion
12	19-0204-12	2	Oil Seal
13	19-0204-13	3	Plug/End Cap
14	19-0204-14	1	Gasket
15	19-0204-15	1	Cover
16	619-0001-27	8	Screw M8 x 16
17	619-0001-20	1	Oil Breather Plug 1"
18	619-0001-21	1	Oil Level Indicator 1"
19	19-0204-16	2	Oil Plug 1/2"
20	619-0001-28	1	Gasket
21	19-0204-9	2	Small Bearing

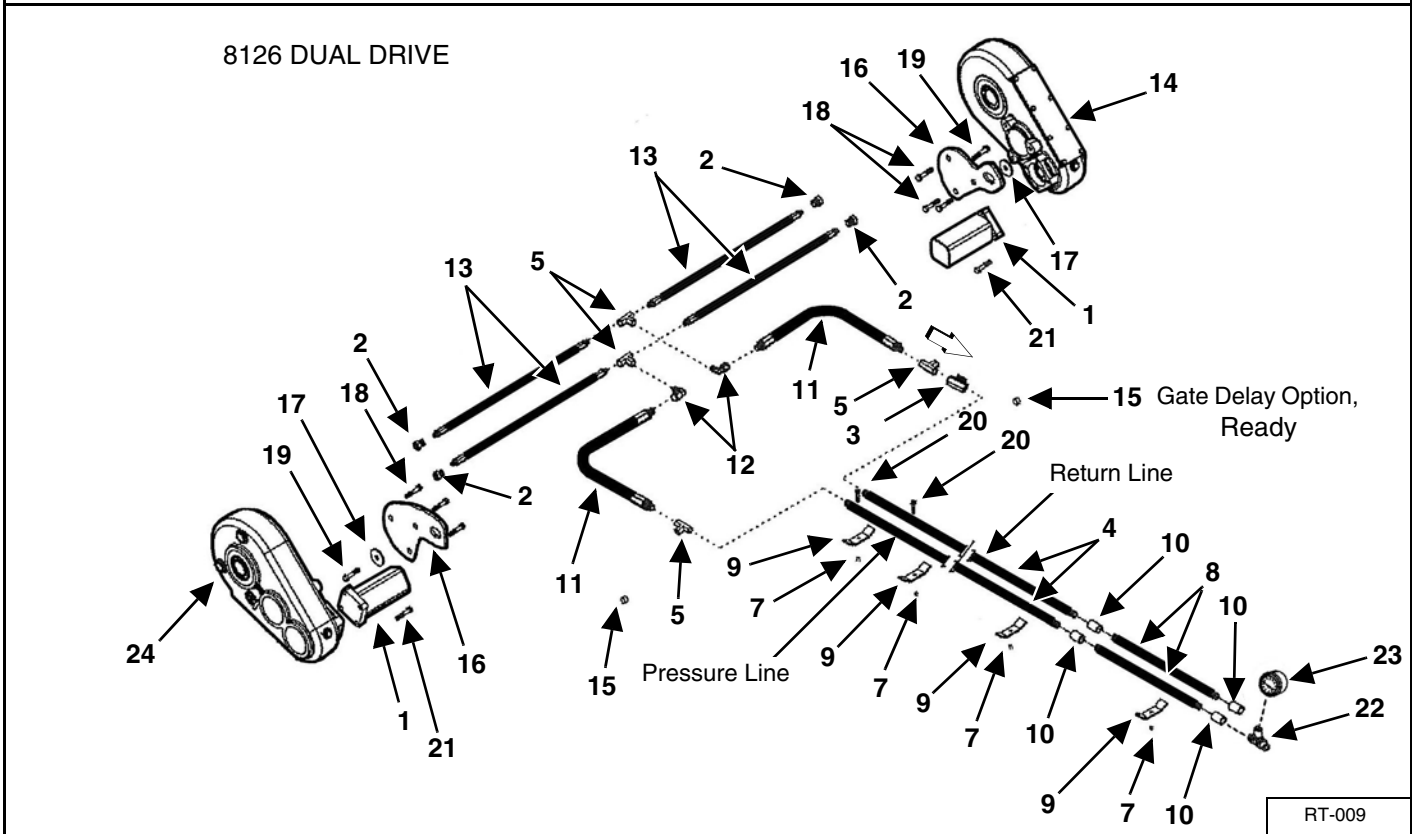
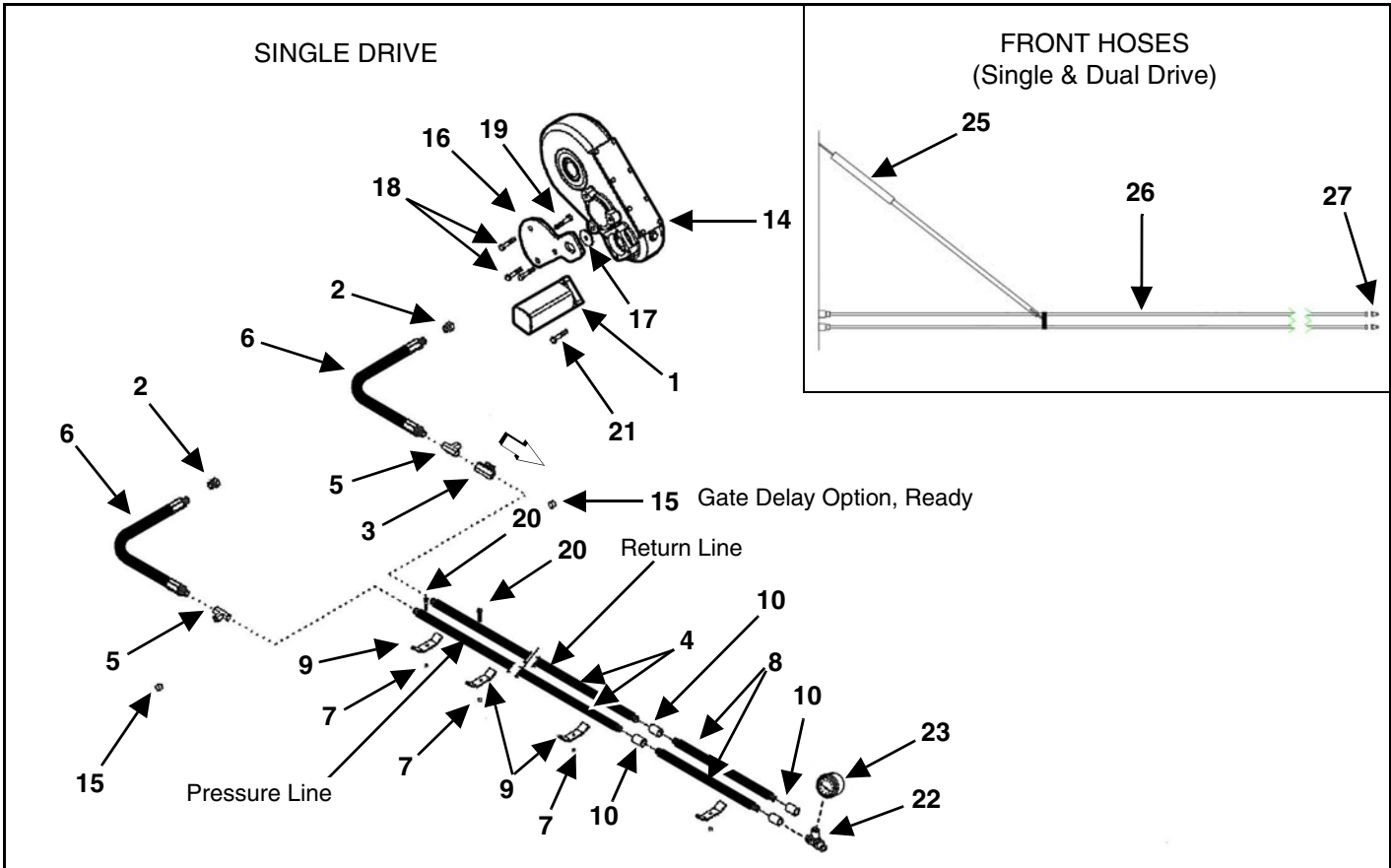
# 8100 MAIN BODY



RT-002

KEY	PART NUMBER	QTY	DESCRIPTION
1	100-8081	1	8118 Main Frame & Side Assembly
	100-8082	1	8120 Main Frame & Side Assembly
	100-8083	1	8122 Main Frame & Side Assembly
	100-8080	1	8124 Main Frame & Side Assembly
	100-8084	1	8126 Main Frame & Side Assembly
2	49-0228	2	Plexiglass Viewing Window
3	708-96.5-69.25	1	Front Gate Fiberglass Woven Panel With Window Cutouts 96.5" x 69.25"
4	100-8080-2	1	Front Gate Assembly Complete
5	100-8080-2-1	1	Front Gate Welded Frame Only
6	851-5013-1.5Z	6	1/2"-13 x 1-1/2" Hex Head Bolt
7	810-5013-Z	6	1/2"-13 Spin Locknut
8	709-48-206.5	2	8118 Solid Poly Floor Panel 48 x 206-1/2"
	709-48-222.5	2	8120 Solid Poly Floor Panel 48 x 222-1/2"
	709-48-254.5	2	8122 Solid Poly Floor Panel 48 x 254-1/2"
	709-48-287	2	8124 Solid Poly Floor Panel 48 x 287"
	709-49-302.5	2	8126 Solid Poly Floor Panel 48" x 302-1/2"
9	708-70.75-240	2	8118/20 Fiberglass Woven Side Panel 70.75 x 240"
	708-70.75-264	2	8118/20/22 Fiberglass Woven Side Panel 70.75 x 264"
	708-70.75-296	2	8124 Fiberglass Woven Side Panel 70.75 x 296"
	708-70.75-312	2	8126 Fiberglass Woven Side Panel 70.75 x 312"
	33-1008	AR	Plywood Tee Molding (By the Foot) For 2-Piece Sides
	829-14-1.88	AR	1/4"-14 x 1-7/8" Self Tapping Screw
10	850-2520-1.25Z	8	1/4"-20 x 1-1/4" Carriage Bolt
11	810-2520-Z	8	1/4"-20 Spin Locknut
12	803-12-.63Z	AR	#12 Phillips Pan Head Screw
13	100-8080-2-4	1	Front Gate Belting
14	100-8080-6	1	Right Drive Shaft Shield
15	100-8080-5	1	Left Drive Shaft Shield
16	100-8081-5	2	8118 Front Side Floor Cap 96.25"
	100-8082-6	2	8120 Front Side Floor Cap 112.25"
	100-8083-6	2	8122 Front Side Floor Cap 24.25"
	100-8080-13	2	8124 Front Side Floor Cap 56.25"
	100-8084-5	2	8126 Front Side Floor Cap 72.25"
17	100-8081-6	1	8118 Center Floor Channel Hold Down 202"
	100-8082-5	1	8120 Center Floor Channel Hold Down 218"
	100-8083-5	1	8122 Center Floor Channel Hold Down, Rear 201"
	100-8125-1-21	1	8124/26 Center Floor Channel Hold Down, Rear 233"
18	100-8080-4	2	Rear Floor Cap 107"
19	100-8080-17	1	Right Floor End Cap
20	100-8080-16	1	Left Floor End Cap
21	100-8070	2	Side Panel End Cap
22	802T-3118-3SS	14	5/16"-18 x 3" Truss Head Stainless Front Hardware (Prior to SN 1681277)
	802T-3118-1.25SS	14	5/16"-18 x 1-1/4" Truss Head Stainless Front Hardware (SN 1681277 & Later)
	802T-3118-1.25SS	6	5/16"-18 x 1-1/4" Truss Head Stainless Rear Hardware
	814-3118-Z	20	5/16"-18 Indented Lock Nut
	805-0031-Z	6	5/16" Flat Washer
23	100-8080-38	2	Front Floor Cover
24	100-8080-3	2	8122/24/26 Center Side Floor Cap 120"
25	100-8080-27	2/4	Floor Cap Support Splice
26	100-8080-15	1	8122/24 Center Floor Channel Hold Down, Front 49"
	100-8133-6	1	8126 Center Floor Channel Hold Down, Front 65"
27	33-0044	1	Manual Holder W/Cap
28	100-8080-1-10	1	Left Main Roller Cover (Welded On)
29	100-8080-1-11	1	Right Main Roller Cover (Welded On)
30	701-.75-1.75-16	2	8126 16' Chain Return Extension
	701-.75-1.75-18	4	8118 18' Chain Return
	701-.75-1.75-20	4	8120 / 22 / 24 / 26 20' Chain Return

# HYDRAULIC SYSTEM

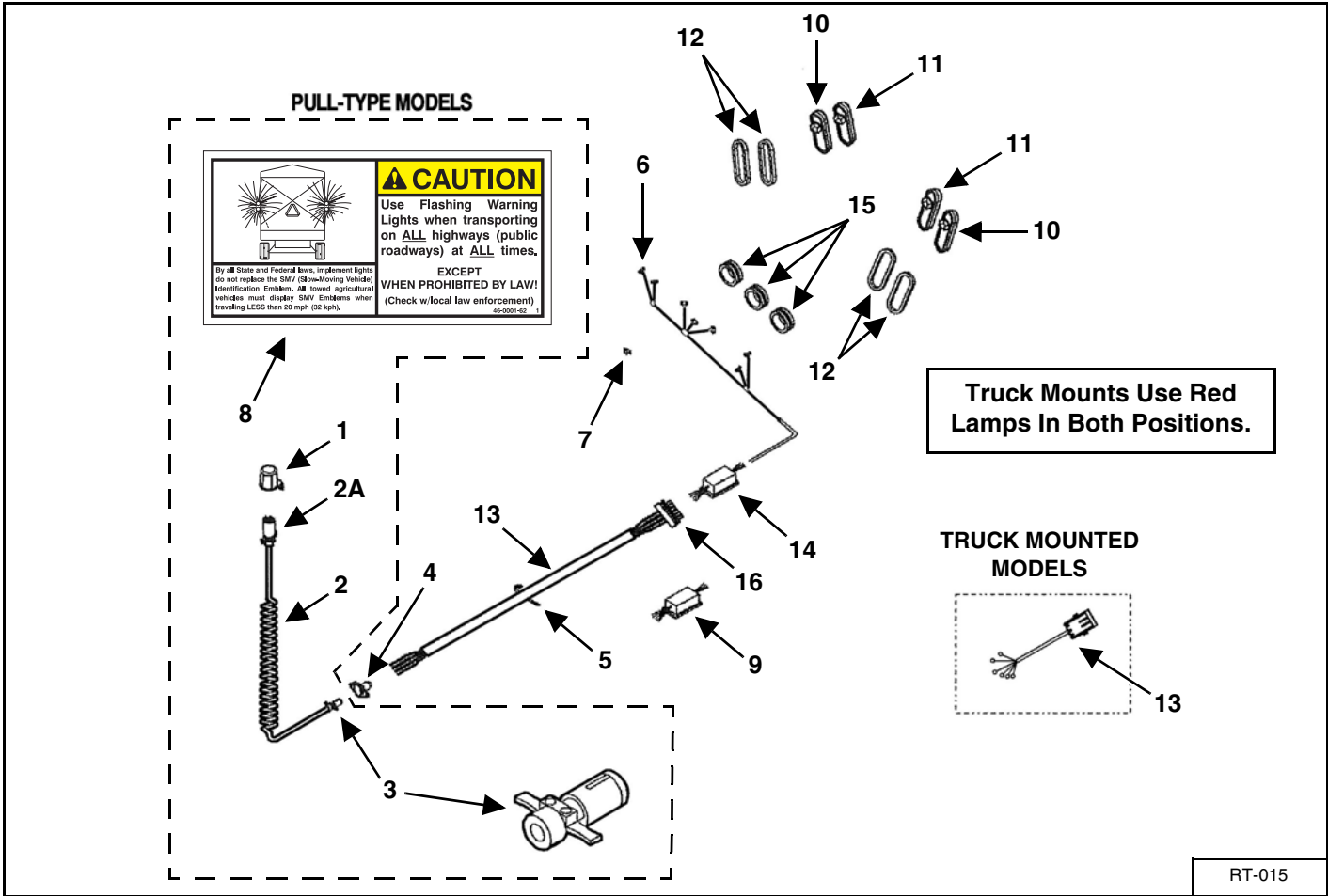


RT-009



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-2000-14.9-1	1	Single Drive Hydraulic Motor (Prior to SN 1781221)
	55-0088-KIT	1	Single Drive Eaton/Char-Lynn Motor Seal Kit
	155-WS-15.1-1	1	Single Drive Hydraulic Motor (SN 1781221 & Later)
	155-WS-SK-1	1	Single Drive White WS Series Motor Seal Kit
	655-0001	2	8126 Dual Drive Hydraulic Motor (Prior to SN 1781222)
	55-0088-KIT	AR	8126 Dual Drive Eaton/Char-Lynn Motor Seal Kit (Prior to SN 1981201)
	155-WS-12.3-3	2	8126 Dual Drive Hydraulic Motor (SN 1781222 & Later)
	155-WS-SK-1	AR	8126 Dual Drive White WS Series Motor Seal Kit (SN 1981201 & Later)
2	55-0048	2/4	5/8" x 3/4" Swivel Adapter
3	55-0007-B-GDRL	1	3/4" Check Valve
4	55-0245	2	8118 3/4" Hydraulic Pipe x 188.5"
	55-0319	2	8120 3/4" Hydraulic Pipe x 204"
	55-0247	2	8122 3/4" Hydraulic Pipe x 236.5"
	55-0126	2	8124/26 3/4" Hydraulic Pipe x 249"
5	55-0079	2/4	3/4" Black Steel Tee Fitting
6	55-0047	2	3/4" Hydraulic Hose x 42" Long (Single Drive Only)
7	815-3816-Z	AR	3/8"-16 Nylon Insert Locknut
8	55-0240	2	3/4" Hydraulic Extension Pipes x 19.5" (8124)
	55-0241	2	3/4" Hydraulic Extension Pipes x 35.5" (8126)
9	100-8025-62	AR	Hydraulic Pipe Clamp
10	55-0030	2/4	3/4" Black Steel Coupler
11	55-0045	2	3/4" Hydraulic Hose x 26" Long (Dual Drive Only)
12	55-0129	2	3/4" 90 Degree Swivel Fitting (Dual Drive Only)
13	55-0029	4	3/4" Hydraulic Hose x 36" Long (Dual Drive Only)
14	19-0204-LH	1	RT 430 Gearbox, Left-Hand
15	55-0081	2	3/4" Plug
16	100-8125-1-15	1/2	Gearbox Torque Plate
17	925-3807-3	1/2	Retaining Washer
18	851-M16-2.0-35-Z	3/6	Torque Plate Bolt 16 mm x 35 mm
19	851-5013-1.25Z	1/2	Torque Plate Bolt For Retainer Washer 1/2" x 1-1/4"
20	851-3816-2Z	AR	3/8"-16 x 2" Bolt
21	831-M12-1.75-40	4/8	Motor Allen Head Cap Screw 12 mm x 40 mm
22	55-0079	1	3/4" Tee Fitting (All Truck Mounts Prior to SN1581246)(All Models SN1581246 & Later)
23	55-0109	1	Pressure Gauge (All Truck Mounts Prior to SN1581246)(All Models SN1581246 & Later)
	55-0174	1	3/4" - 1/4" Adapter Fitting (All Truck Mounts Prior to SN1581246)(All Models SN1581246 & Later)
24	19-0204-RH	1	8126 RT 430 Gearbox, Right-Hand
25	29-0029	1	Hydraulic Hose Tender Spring Kit With Sleeve & Hardware
26	55-0034	2	1/2" x 132" Hydraulic Hose
27	55-0013	2	Male Coupling Tip ISO
	55-0044	2	Straight Adapter

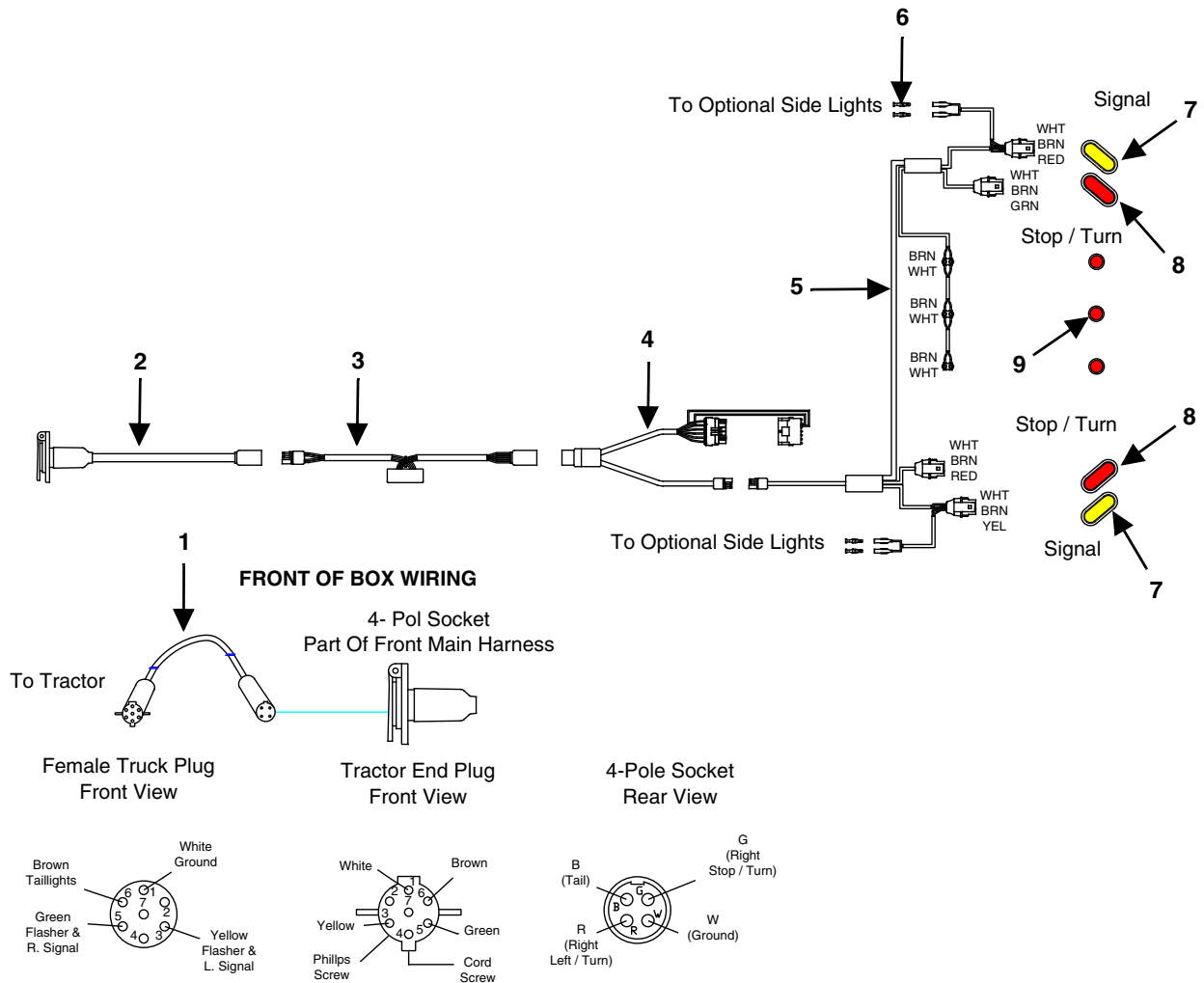
# REAR LIGHTING (PRIOR TO SN 2081252)



RT-015

KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0009	1	7-Way Stor-A-Way (Trailer Models)
2	56-0005	1	Coil Cable Assembly (Trailer Models)
2A	56-0005-4	1	7-Contact Plug End W/Spring
3	56-0005-1	1	4 Pole Plug
4	56-0004	1	4-Way Socket (4 Pin)
5	32-0026	AR	14" Nylon Tie Strap
6	56-0102	1	LED Light Harness
7	32-0024	AR	3/8" Plated Loom Clip
8	46-0001-62	1	Caution Tail Light Decal (Trailer Models)
9	56-0028	AR	Tail Light 5-Wire to 4-Wire Converter (Optional for Truck Mounts)
10	56-0081	2/0	6" Oval Amber LED Light
11	56-0115	2/4	6" Oval Red LED Light
12	56-0082	4	6" Oval Grommet
13	56-0124	1	8118 Light Harness W/6-Pin Wire End
	56-0125	1	8120 Light Harness W/6-Pin Wire End
	56-0126	1	8122 Light Harness W/6-Pin Wire End
	56-0127	1	8124 Light Harness W/6-Pin Wire End
	56-0128	1	8126 Light Harness W/6-Pin Wire End
14	56-0084	1/0	LED Ag Light Module W/Connectors (Trailer Models Only)
15	56-0070-1-LED	3	2" Red Round Light
	56-0070-2	3	2" Round Grommet
16	156-C-6FL-TO-1	1	6 Contact Tower Half
	156-S-18-16-1	4	Cable Seal
	156-T-16-14-F-1	4	Female Terminal For Tower Half
	156-P-1	2	Cavity Plug

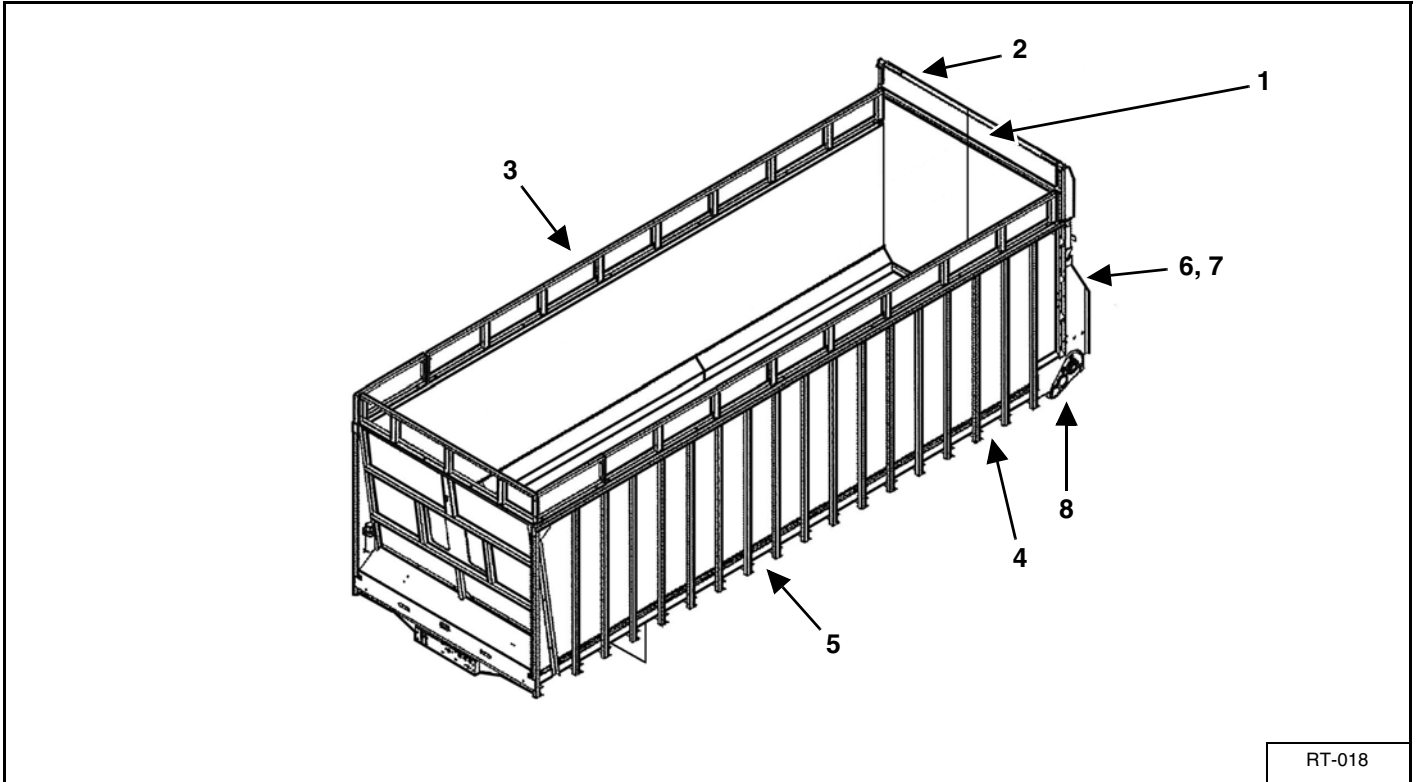
# REAR LIGHTING (SN 2081252 & LATER)



KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0005	1	Cable Assembly (Pull Type)
	56-0037	1	Cable Assembly (Truck Mount)
2	56-0291	1	8118 Front Main Harness With Socket
	56-0292	1	8120 Front Main Harness With Socket
	56-0293	1	8122 Front Main Harness With Socket
	56-0261	1	8124 Front Main Harness With Socket
	56-0262	1	8126 Front Main Harness With Socket
3	56-0284	1	AG Module Harness (Pull Type)
4	56-0286	1	Grain Kit Upper Light Y Adapter
5	56-0267	1	Rear Sill Harness
6	56-0260	4	Plug
7	56-0081-AMP	2	6" 7-Diode Oval Lamp Amber (Pull Type)
	56-0115-AMP	2	6" 7-Diode Oval Lamp Red (Truck Mount)
	56-0082	2	Oval Grommet
8	56-0115-AMP	2	6" 7-Diode Oval Lamp Red
	56-0082	2	6" Oval Grommet
9	56-0071-1-LED	3	2" Red LED 1-Diode Clearance Light
	56-0070-2	3	2" Round Grommet



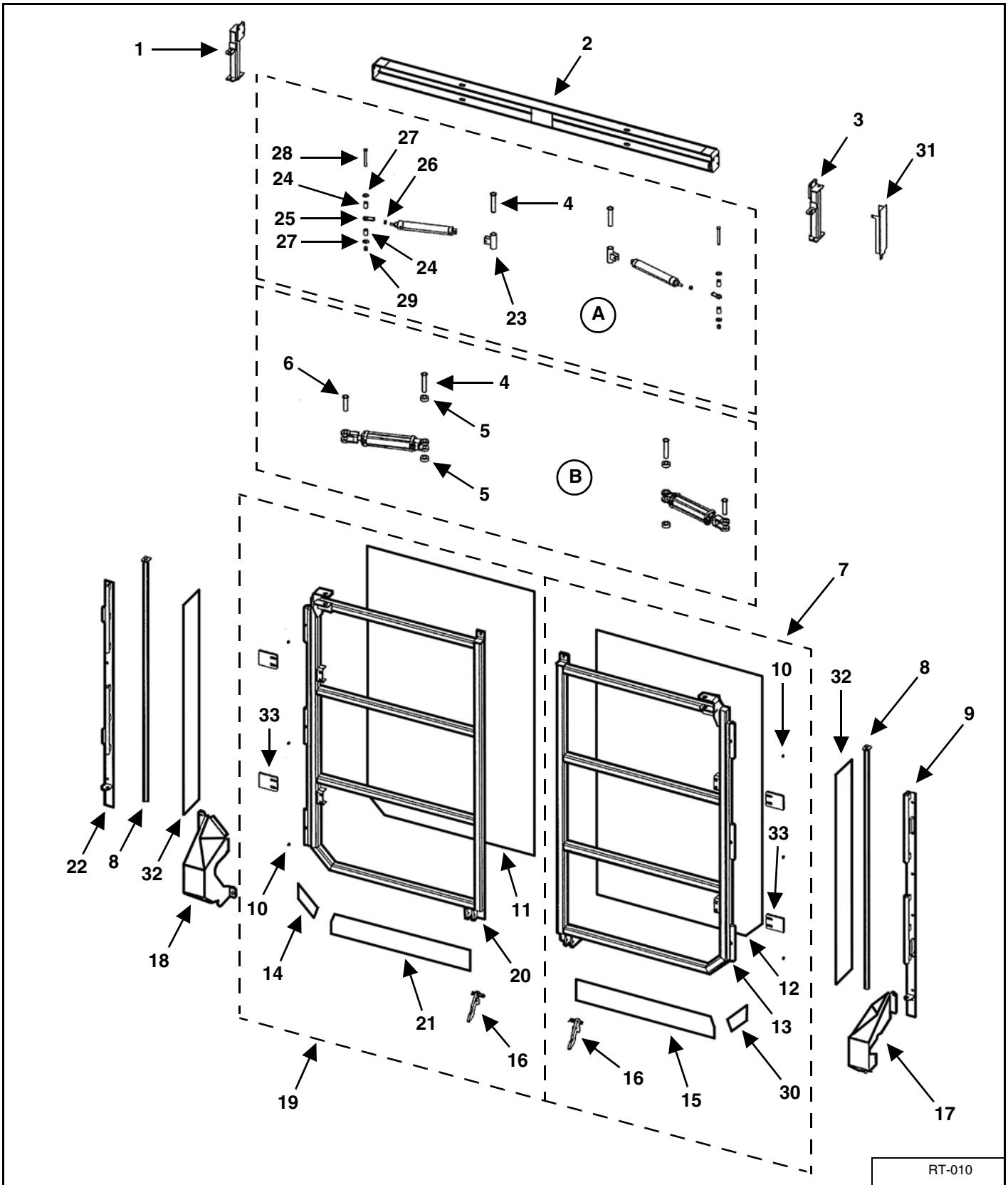
## 10.0 OPTIONAL EQUIPMENT



RT-018

KEY	DESCRIPTION	PAGE #
1	DOUBLE DOOR	56
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# DOUBLE DOOR



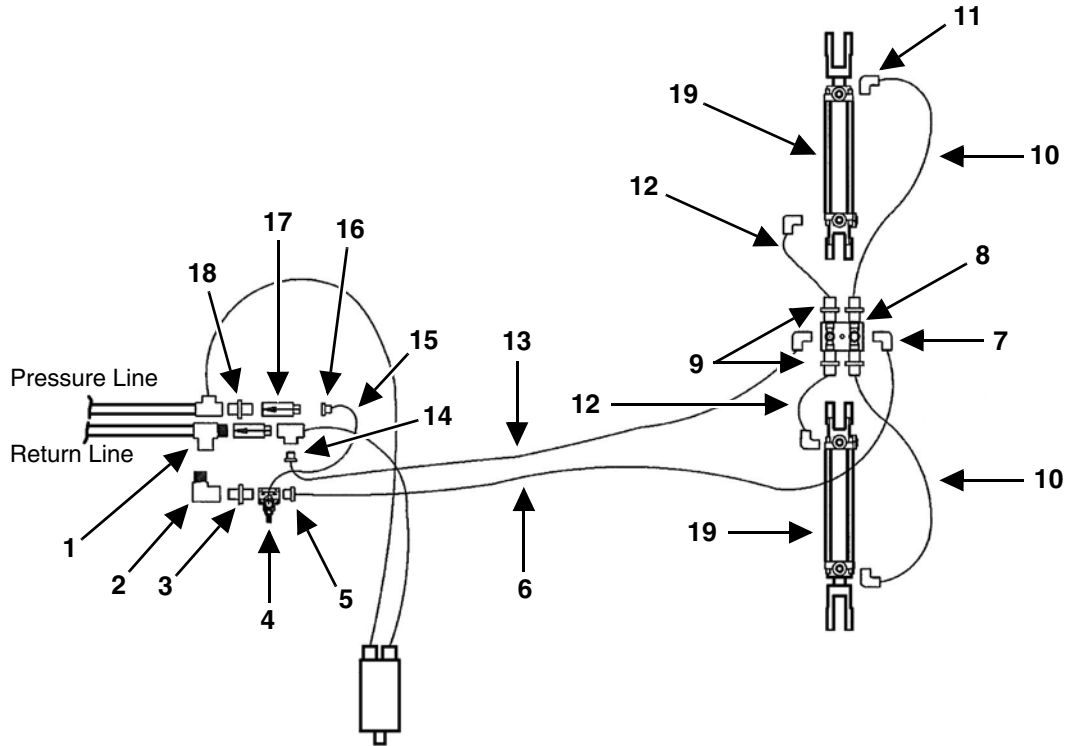
RT-010



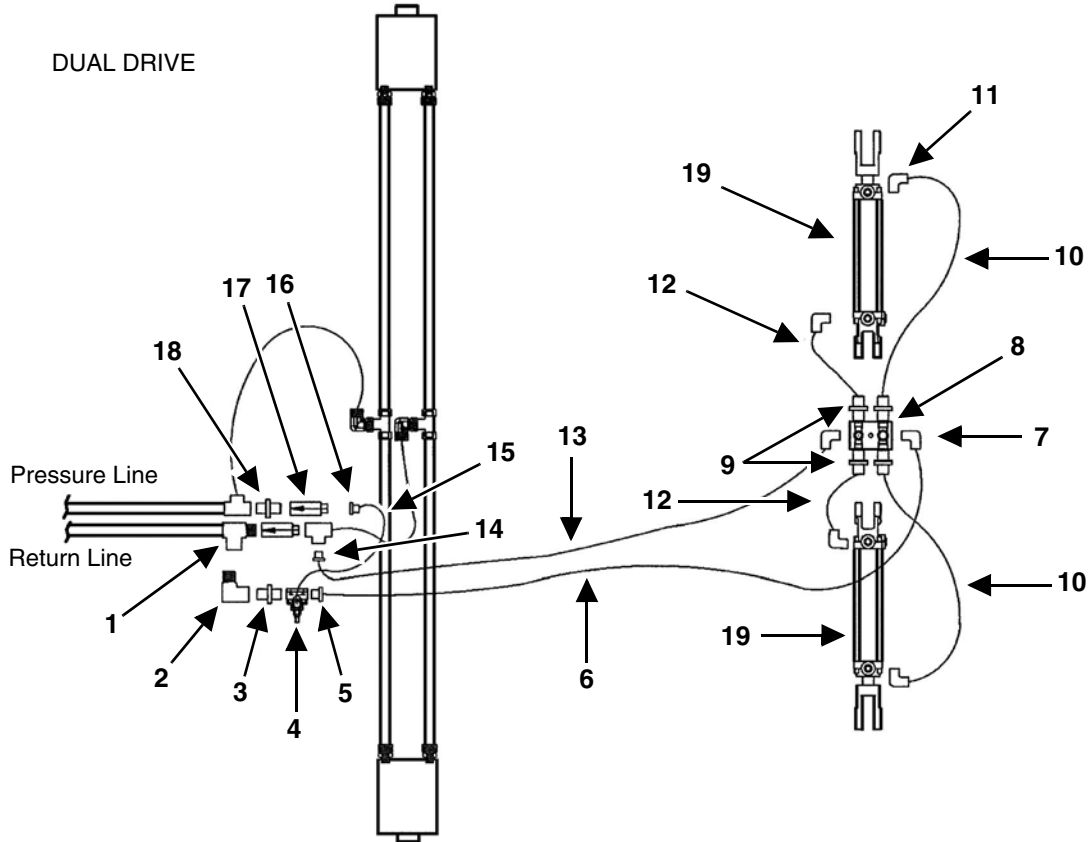
KEY	PART NUMBER	QTY	DESCRIPTION
A	Air Controlled	-	Prior to S/N 1481229 (Truck Mount)
B	Air Controlled	-	S/N 1481229 & Later (Truck Mount)
	Hydraulic Controlled	-	S/N 1381201 & Later (Pull Type)
1	100-8175-9	1	Left Top Mount Extension Weldment, Standard
	100-8175-5	1	Left Top Mount Extension Weldment, High
2	100-8175-3	1	Top Cross Support Tube Assembly
3	100-8175-10	1	Right Top Mount Extension Weldment, Standard
	100-8175-4	1	Right Top Mount Extension Weldment, High
4	100-7041-11	2	Inner Cylinder Pin (Hydraulic Door, and Air Door SN 1481229 & Later)
5	100-7078	4	Hydraulic Cylinder Pivot (Hydraulic Door, and Air Door SN 1481229 & Later)
6	100-7041-10	2	Outer Cylinder Pin, Hydraulic (Hydraulic Door, and Air Door SN 1481229 & Later)
7	100-8178	1	Right Door Assembly Complete, Standard
	100-8176	1	Right Door Assembly Complete, High
8	100-8175-8	2	Pivot Rod Weldment
9	100-8175-7	1	Right Hinge Weldment
10	30-0002	6	1/8" Straight Grease Fitting
11	100-8177-2	1	Left Hand Door Panel
	100-8175-2	1	Left Hand High Door Panel
12	100-8178-2	1	Right Hand Door Panel
	100-8176-2	1	Right Hand High Door Panel
13	100-8178-1	1	Right Door Weldment, Standard
	100-8176-1	1	Right Door Weldment, High
14	49-0136	1	Bottom Door Belt - Left Outer
15	49-0135	1	Bottom Door Belt-Right Inner
16	100-8100-6-L-ASSY	2	Door Latch Assembly W/Roll Pin, Spring, Hardware
	29-0022	2	Double Door Torsion Spring
17	100-8175-18	1	Right Shield Weldment
	100-8175-16	1	8126 Right Shield Weldment
18	100-8175-17	1	Left Shield Weldment
19	100-8177	1	Left Door Assembly Complete, Standard
	100-8175	1	Left High Door Assembly Complete, High
20	100-8177-1	1	Left Door Weldment, Standard
	100-8175-1	1	Left High Door Weldment, High
21	49-0133	1	Bottom Door Belt-Left Inner
22	100-8175-6	1	Left Hinge Weldment
23	100-7081	2	Air Cylinder Pivot (Prior to SN 1481229)
24	100-7080	4	Air Cylinder Centering Bushing, Lower (Prior to SN 1481229)
25	16-0027	2	1/2"-20 Swivel Eyelet (Prior to SN 1481229)
26	826-5020-Z	2	1/2"-20 Jam Nut (Prior to SN 1481229)
27	805-0050-Z	4	1/2" Flat Washer (Prior to SN 1481229)
28	851-5013-4.5Z	2	1/2"-13 x 4-1/2" Bolt (Prior to SN 1481229)
29	815-5013-Z	2	1/2" Nylon Locknut (Prior to SN 1481229)
30	49-0134	1	Bottom Door Belt Right Outer
31	24-8015	1	Double Door Hose Shield
	24-8014	1	High Double Door Hose Shield
32	49-0150	2	Door Belting
33	100-7042-3	4	Double Door Gate Stop

# DOUBLE DOOR HYDRAULIC SYSTEM

SINGLE DRIVE



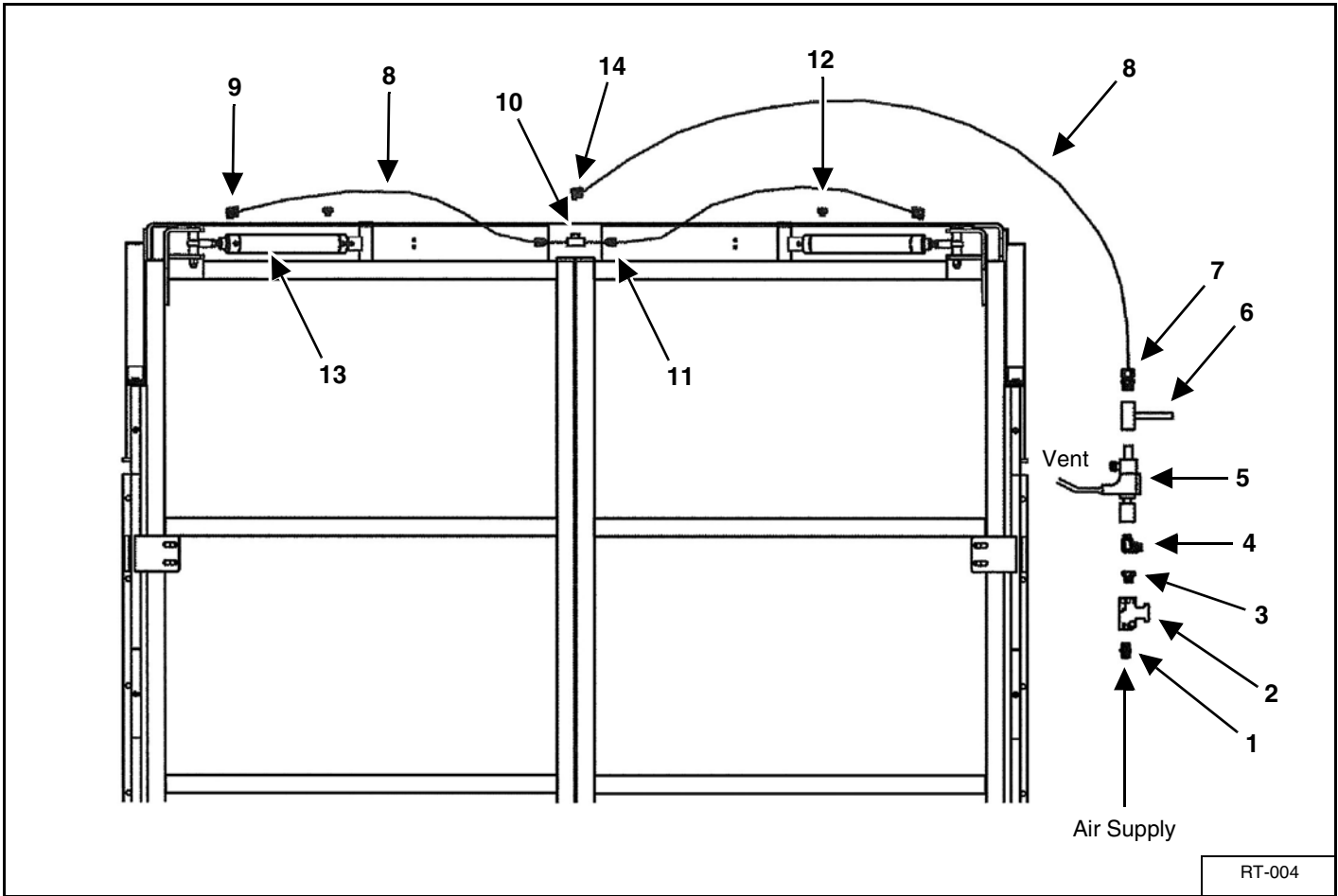
DUAL DRIVE



RT-006

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-5602-12-12-12	1	3/4" Tee Fitting
2	55-0082	1	3/4" 90 Degree Elbow
3	55-0156	1	1/2" To 3/4" Adapter Fitting
4	55-0304	1	Relief Valve 650 PSI
5	155-5406-8-4	1	1/2" To 1/4" Reducer Bushing
6	55-0202	1	1/4" x 228" Hydraulic Hose
7	55-0191	2	1/4" 90 Degree Elbow
8	57-0057	1	Hydraulic Manifold
9	155-1404-4-4	4	1/4" Swivel Adapter Fitting
10	155-4G2-37.75-1	2	1/4" x 37-3/4" Hydraulic Hose
11	55-0196	4	1/4" x 3/8" 90 Degree Elbow
12	155-6G2-23.75-1	2	3/8" x 23-3/4" Hydraulic Hose
13	155-6G2-228-1	1	3/8" x 228" Hydraulic Hose
14	155-5406-12-6	1	3/4" x 3/8" Reducer Bushing
15	155-8G2-36-1	1	1/2" x 36" Hydraulic Hose
16	55-0039	1	3/4" x 1/2" Reducer Bushing
17	55-0007-B	1	3/4" Check Valve
18	55-0204	1	3/4" Adapter Fitting
19	55-0227	2	2" x 10" Hydraulic Cylinder

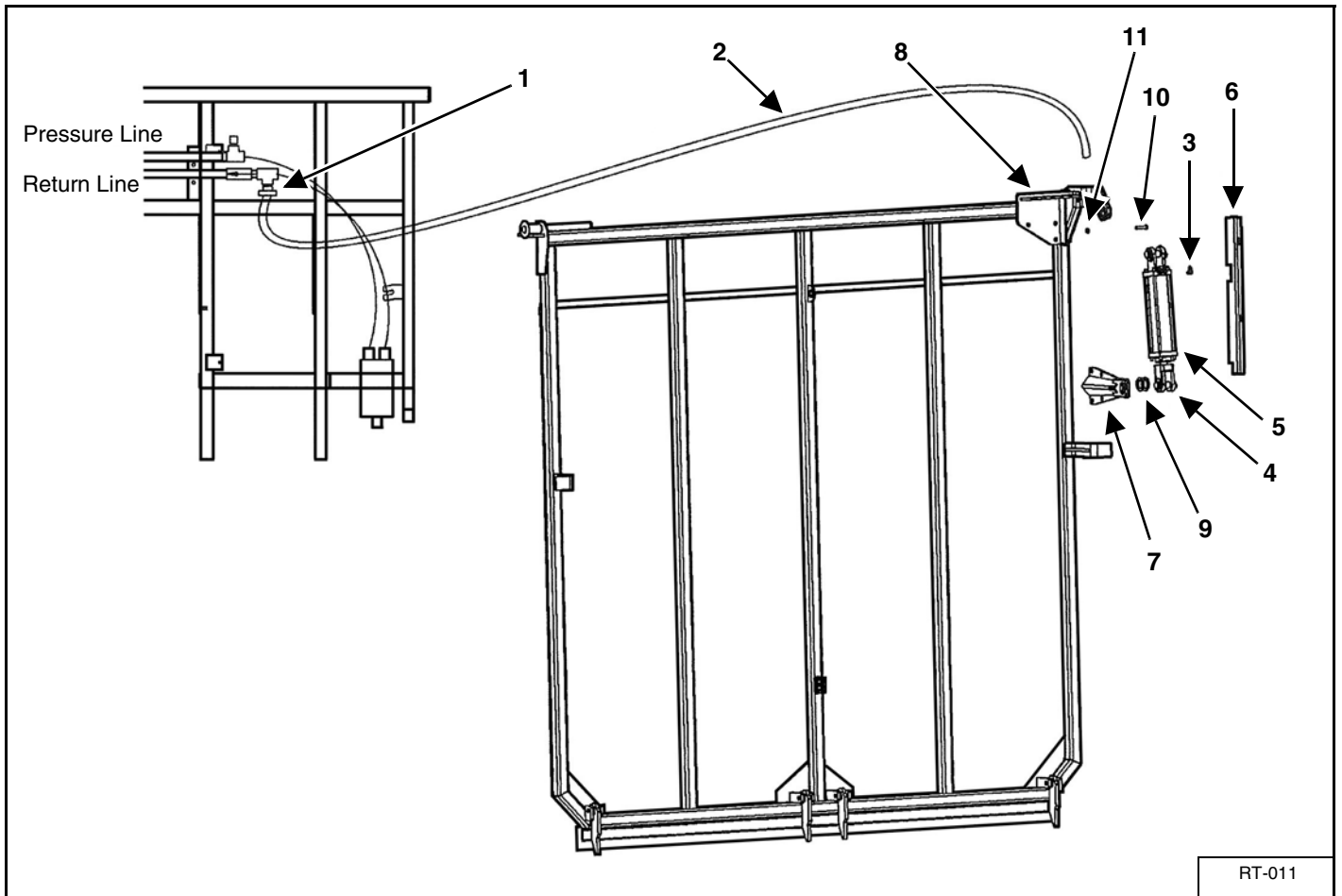
## DOUBLE DOOR AIR SYSTEM



RT-004

KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0097	1	3/8" Adapter Fitting
2	155A-3838-PPV-1	1	Pressure Protection Valve
3	55-0166	1	3/8" x 1/8" Adapter Fitting
4	55-0164	1	1/8" 90 Degree Elbow
5	55-0155	1	12V Solenoid Valve
6	100-8108	1	Solenoid Valve Mounting Bracket Weldment
7	55-0153	1	3/8" x 1/8" MPT Connector DOT Approved
8	55-0150	AR	3/8" Air Tubing
9	155A-3825-90E-1	3	3/8" x 1/4" 90 Degree Elbow (Prior to SN 1481229)
	55-0152	2	3/8" x 3/8" 90 Degree Elbow (SN 1481229 & Later)
10	155A-25-T-1	1	1/4" MPT Tee Fitting
11	155A-3825-C-1	2	3/8" x 1/4" MPT Straight Fitting
12	55-0306	2	1/4" NPT Breather Vent (Prior to SN 1481229)
	55-0307	2	3/8" NPT Breather Vent (SN 1481229 & Later)
13	RT-DD-AIR-UP	2	2 x 10" Hydraulic Cylinder Update Kit (Both Cylinders) (Prior to SN 1481229)
	55-0227	2	2" x 10" Hydraulic Cylinder (SN 1481229 & Later)
14	155A-3825-90E-1	1	3/8" x 1/4" 90 Degree Elbow

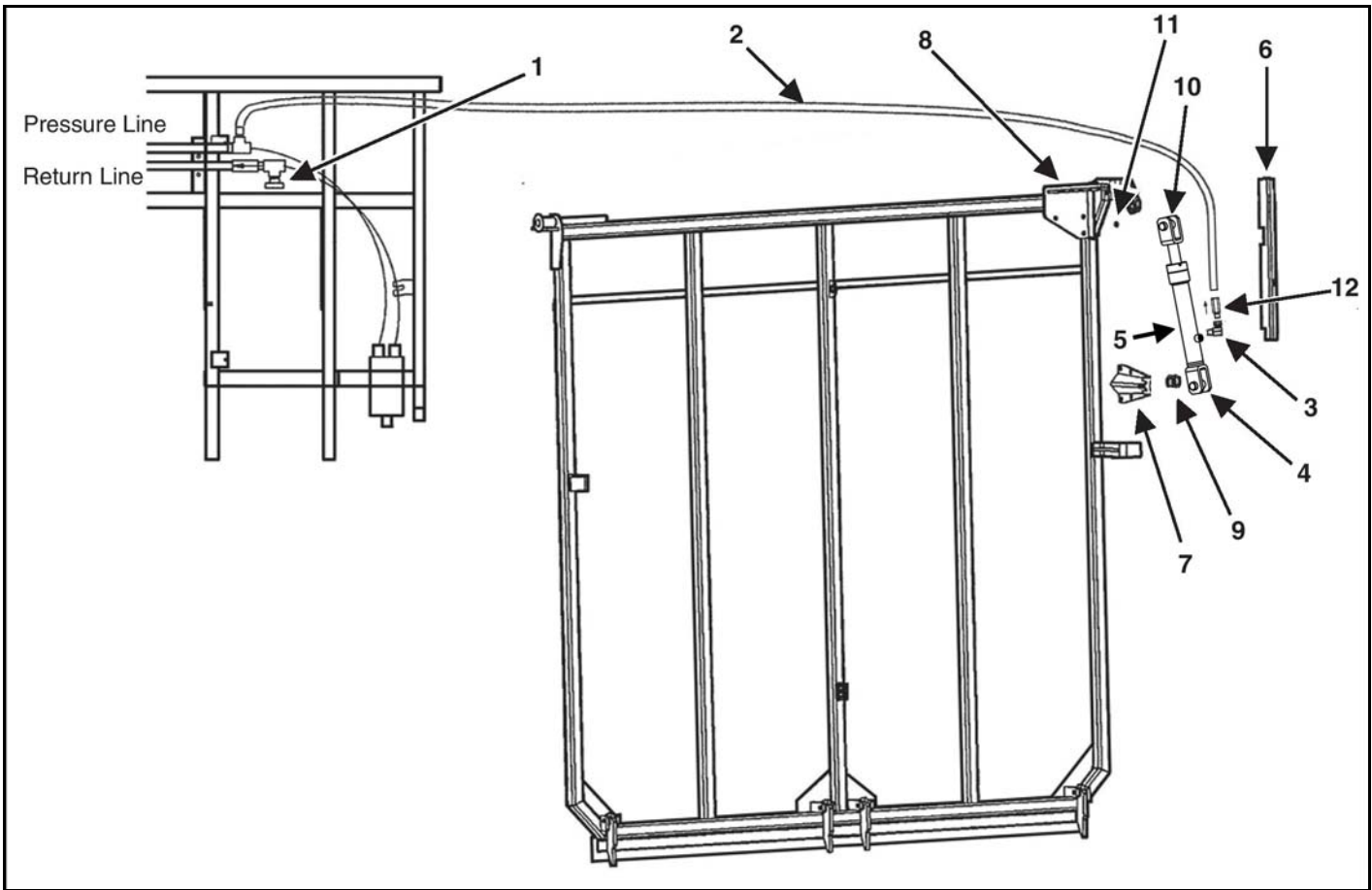
**8100 - GDS - RL - PKG HYDRAULIC RETURN LINE GATE DELAY  
AG TRAILER - PRIOR TO SN 1481356  
TRUCK MOUNTS - PRIOR TO SN 1581260**



RT-011

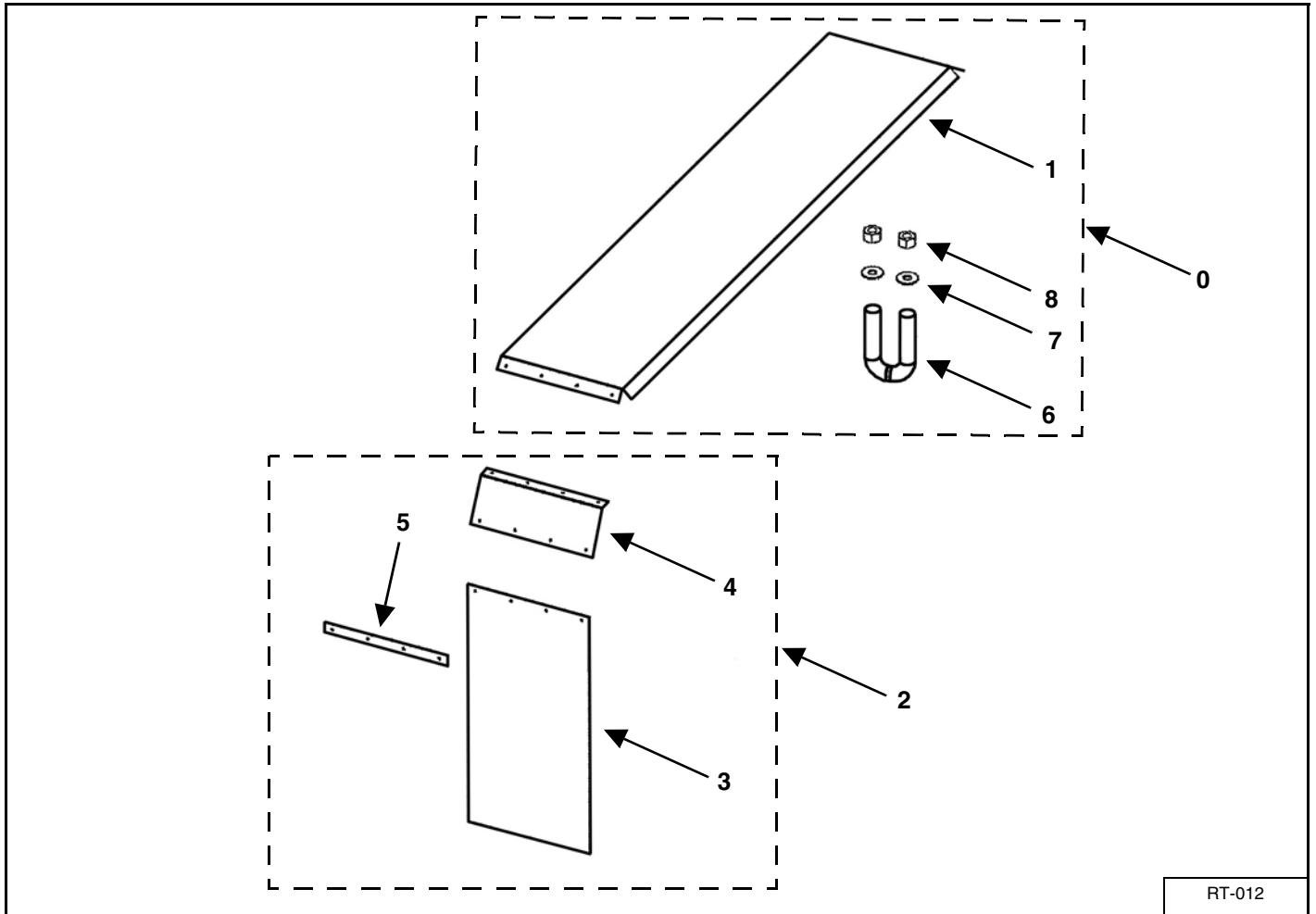
KEY	PART NUMBER	QTY	DESCRIPTION
	8100-RT-GDS-RL-K	1	8100 Return Line Gate Delay Closing Option <u>Without</u> Extension Option
	8100-RT-GDS-RLE-K	1	8100 Return Line Gate Delay Closing Option <u>With</u> Extension Option
1	155-5406-12-6	1	3/4" x 3/8" Bushing
2	155-06100R17-200-1	1	8118/20/22/24 3/8" x 200" Hose
	155-06R12-200-1	1	8126 3/8" x 200" Hose
3	55-0055	1	3/8" x 3/8" Elbow Fitting
4	155-2.5-10-1.125-1		Hydraulic Cylinder (Truck Mounts Only)
	155-2-10-1.125-1		Hydraulic Cylinder (Pull Types Only)
	155-2-1.125-1-CSK		Chief Seal Kit
	155-2-1.125-1-DSK		Delevan Seal Kit
	155-2-1.125-1-MSK		Maxim Seal Kit
5	55-0307	1	3/8" NPT Breather Vent
6	24-8012	1	Hose Shield for High Gate
	24-8013	1	Hose Shield for Standard Gate
7	25-8451	1	Lower Gate Delay Mounting Bracket
8	25-8450	1	Upper Gate Delay Mounting Bracket (Prior to SN1381228, Excluding 1381213 & 1381214)
	25-8453	1	Upper Gate Delay Mounting Bracket W/Shear Bolt (SN 1381228 & Later, Including 1381213 & 1381214)
9	25-8097-1	AR	Spacer Washer
	808-1.31-2.00-.135	AR	AR Spacer Washer
10	851-5013-1.75Z	1	1/2"-13 x 1-3/4" Bolt
11	815-5013-Z	1	1/2" Nylon Locknut

**AG TRAILER HYDRAULIC PRESSURE LINE GATE DELAY  
AG TRAILER - SN 1481356 & LATER  
TRUCK MOUNTS - SN 1581260 & LATER**



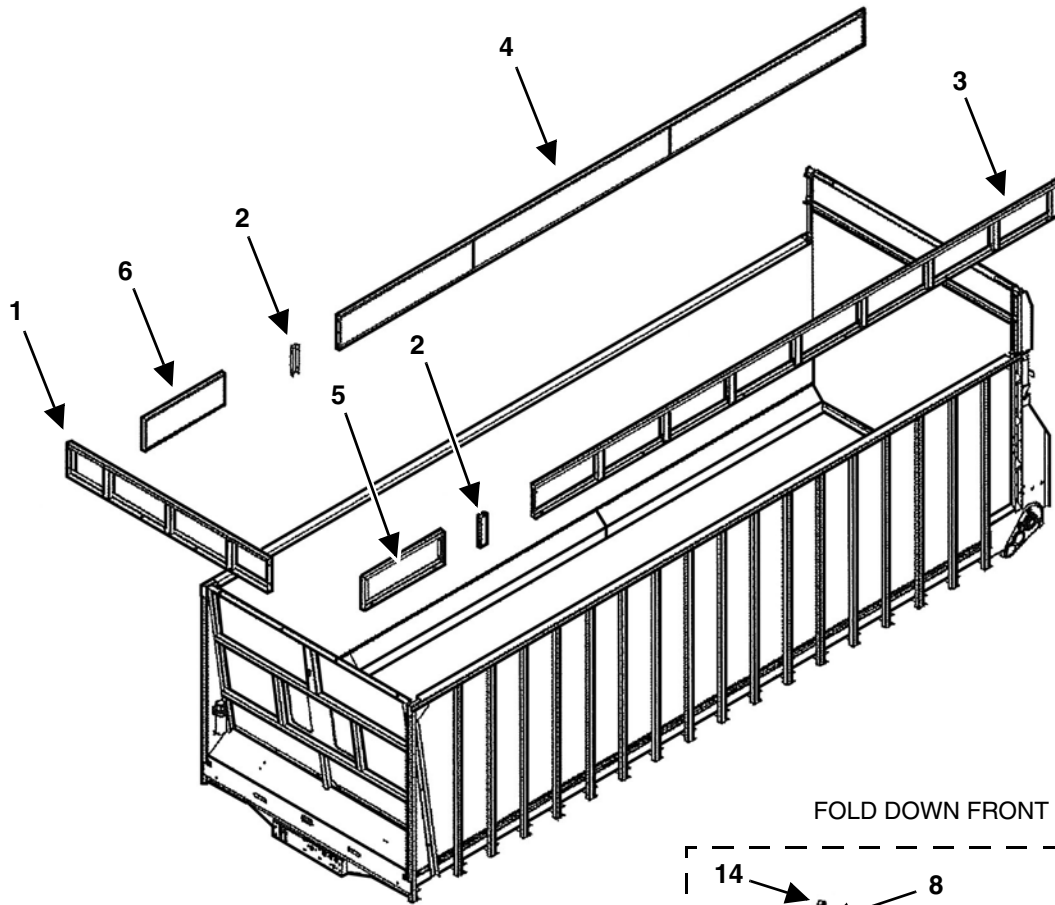
KEY	PART NUMBER	QTY	DESCRIPTION
		1	8100 Pressure Line Gate Delay Closing Option <u>Without</u> Extension Option
		1	8100 Pressure Line Gate Delay Closing Option <u>With</u> Extension Option
1	155-5406-12-6	1	3/4" x 3/8" Bushing
2	155-06100R17-200-1	1	8118/20/22/24 3/8" x 200" Hose
	155-06R12-200-1	1	8126 3/8" x 200" Hose
3	55-0055	1	3/8" x 3/8" Elbow Fitting (Prior to SN 1881255)
	155-6901-06-06	1	90 Degree Adapter Fitting (SN 1881255 & Later)
4	155-D-1.25-10-1	1	Hydraulic Cylinder
	155-D-1.25-SK	1	Hydraulic Cylinder Seal Kit (SN 1881255 & Later)
5	55-0307	1	3/8" NPT Breather Vent (Prior to SN 1881255)
6	24-8012	1	Hose Shield for High Gate
	24-8013	1	Hose Shield for Standard Gate
7	25-8451	1	Lower Gate Delay Mounting Bracket
8	25-8453	1	Upper Gate Delay Mounting Bracket W/Shear Bolt
9	25-8097-1	AR	Spacer Washer
	808-1.31-2.00-.135	AR	AR Spacer Washer
10	851-5013-1.5Z	1	1/2" - 13 x 1-1/2" Bolt
11	815-5013-Z	1	1/2" Nylon Locknut
12	155-CV-375-1	1	Check Valve 3/8 NPT x FEM NPT

## TRUCK MOUNT FENDER AND MUD FLAP

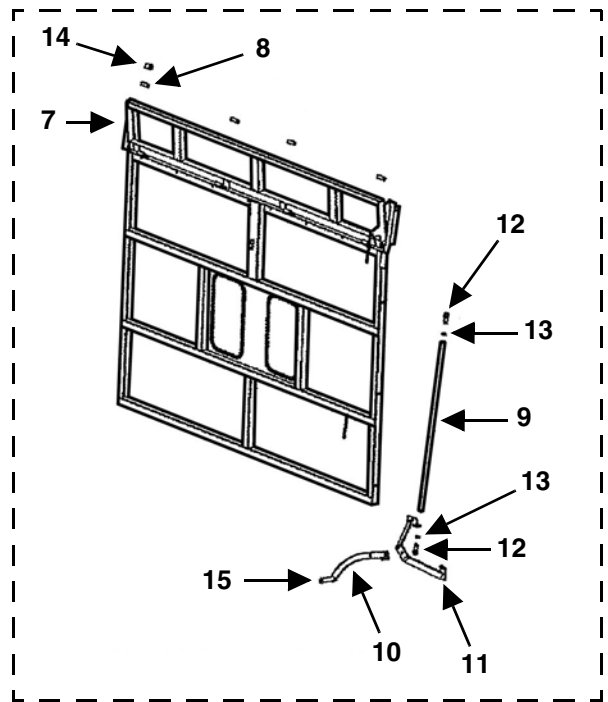


KEY	PART NUMBER	QTY	DESCRIPTION
0	8100-TFK	1	Red Fender Kit with Mounting Hardware, No Mud Flap
1	25-8008	2	Red Fender Only
2	8100-MUD-FLAP	1	8100 Mud Flap & Bracket Kit
3	49-0092	2	8100 Mud Flap
4	25-8014-1	2	Mud Flap Mounting Bracket
5	25-8212	2	Mud Flap Attaching Strip
6	52-0026-5	8	1/2" U-Bolt
7	804-0050-Z	16	1/2" Fender Washer
8	815-5020-Z	16	1/2" Nylon Locknut

# EXTENSION PACKAGE



## FOLD DOWN FRONT OPTION

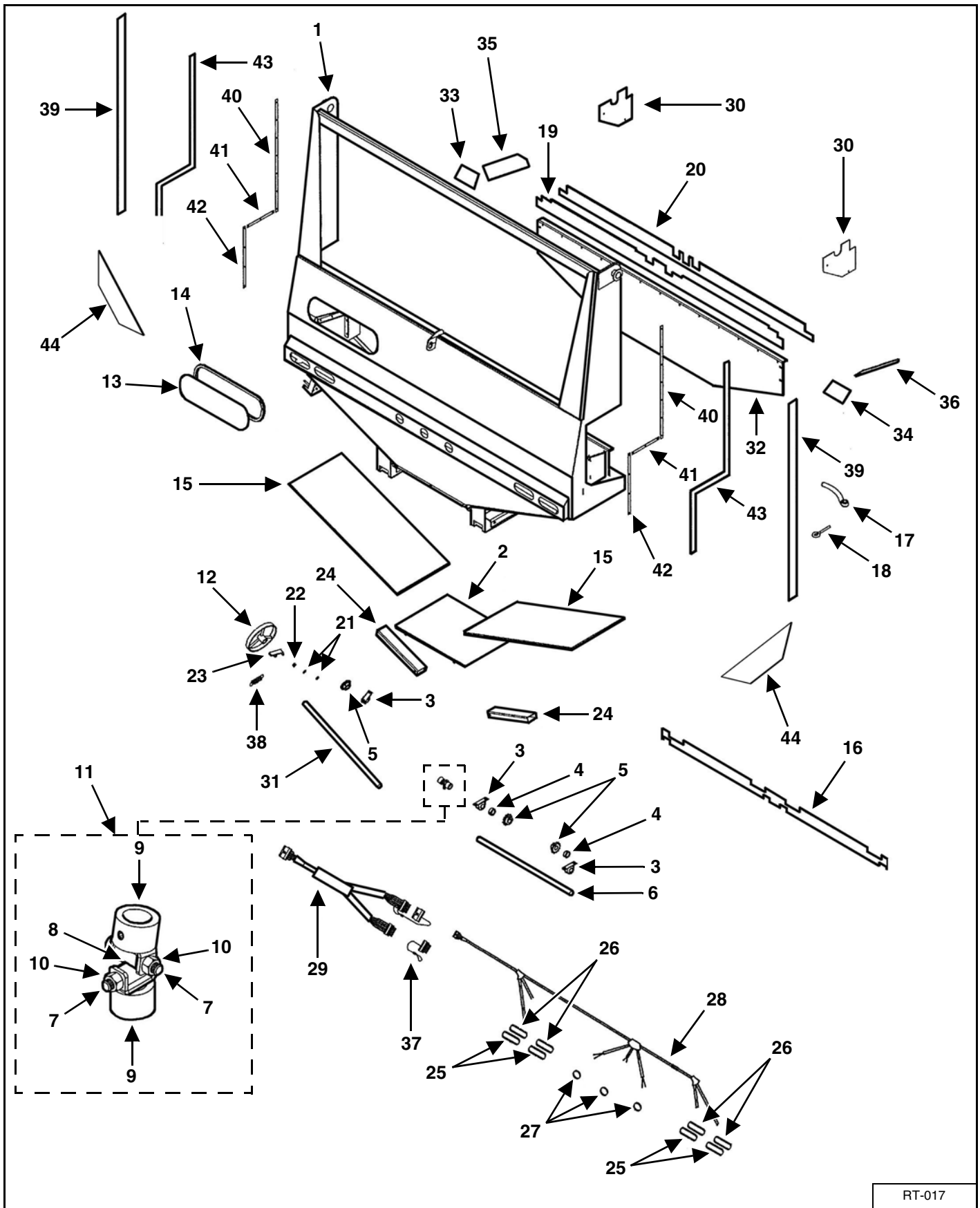


RT-008



KEY	PART NUMBER	QTY	DESCRIPTION
1	25-8505	1	Solid Front Extension Weldment
2	25-8516-6	2/0	Extension Upright Cover
3	25-8512	1	8118 Left Side Extension, Screen
	25-8514	1	8118 Left Side Extension, Solid
	25-8510	1	8120 Left Side Extension, Screen
	25-8508	1	8120 Left Side Extension, Solid
	25-8501	1	8122 Left Rear Side Extension, Screen
	25-8503	1	8122 Left Rear Side Extension, Solid
	25-8516	1	8124/8126 Left Rear Side Extension, Screen
	25-8520	1	8124/8126 Left Rear Side Extension, Solid
4	25-8513	1	8118 Right Side Extension, Screen
	25-8515	1	8118 Right Side Extension, Solid
	25-8511	1	8120 Right Side Extension, Screen
	25-8509	1	8120 Right Side Extension, Solid
	25-8502	1	8122 Right Rear Side Extension, Screen
	25-8503	1	8122 Right Rear Side Extension, Solid
	25-8517	1	8124/8126 Right Rear Side Extension, Screen
	25-8521	1	8124/8126 Right Rear Side Extension, Solid
5	25-8518	1	8124 Left Front Side Extension, Screen
	25-8522	1	8124 Left Front Side Extension, Solid
	25-8526	1	8126 Left Front Side Extension, Screen
	25-8524	1	8126 Left Front Side Extension, Solid
6	25-8519	1	8124 Right Front Side Extension, Screen
	25-8523	1	8124 Right Front Side Extension, Solid
	25-8527	1	8126 Right Front Side Extension, Screen
	25-8525	1	8126 Right Front Side Extension, Solid
7	25-8506	1	Fold Down, Solid Front Extension
8	100-8016	4	Hinge Mount Tab
9	25-8081	1	Linkage Pipe Assembly
10	25-8082	1	Handle Welded Assembly
11	25-8507	1	Handle Pivot Bracket
12	16-0027	2	Swivel Eyelet
13	813-5020-Z	2	1/2"-20 Fine Threaded Nut Zinc
14	100-8020-64	2	Gate Stop Sleeve
15	51-0003	1	Rubber Grip

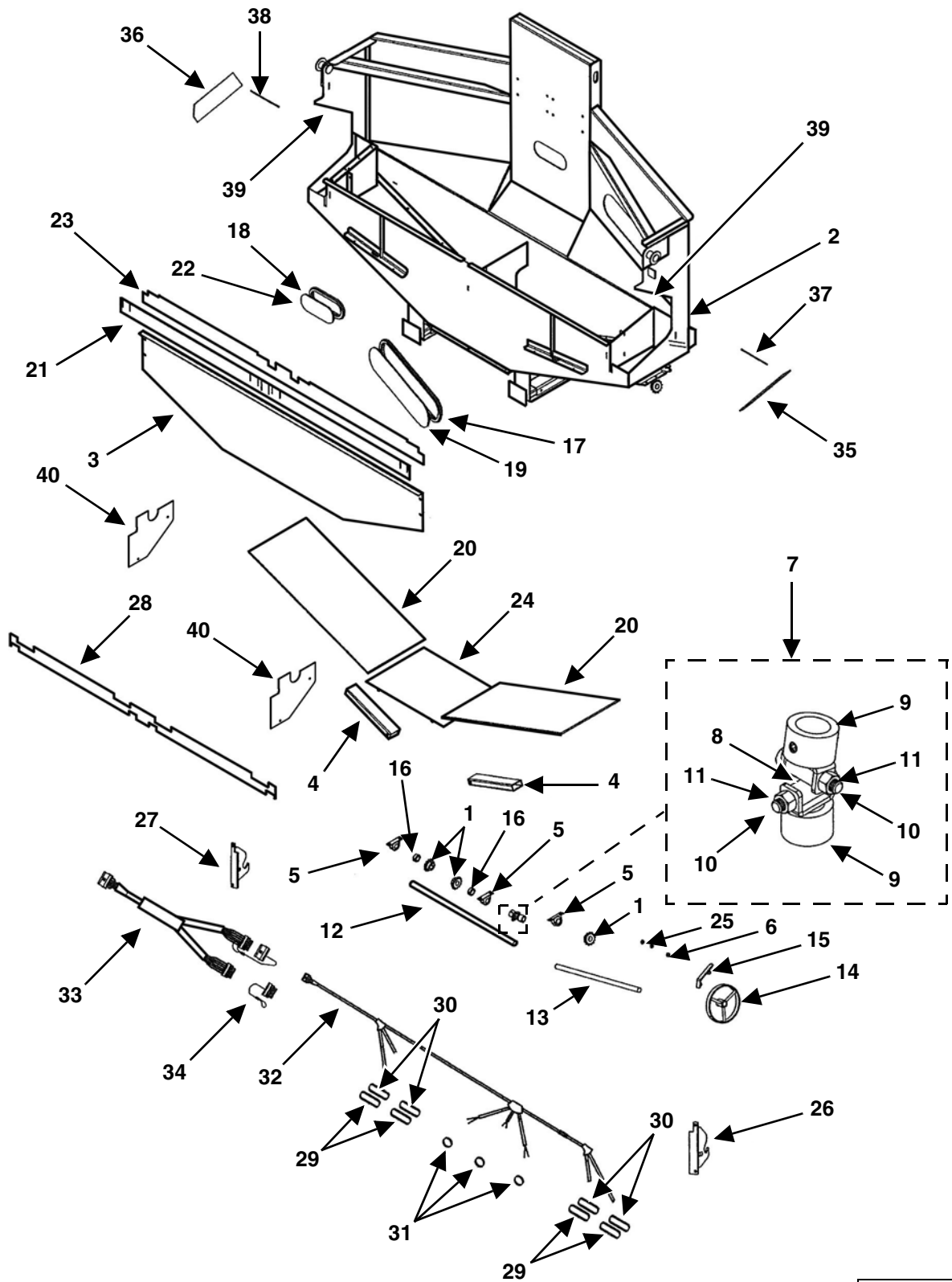
# SWINGING GATE GRAIN KIT



RT-017

KEY	PART NUMBER	QTY	DESCRIPTION
1	25-8190-1	1	Grain Kit Main Body
2	625-0023-2	1	Door Weldment
3	124	3	1" Pillow Block Bearing
4	323	2	1" Lock Collar
5	10-0001	3	50B13 Sprocket, 1" Bore, 1/4" Keyway, W/Set Screws
6	23-0099	1	Lower Gate Shaft 1" x 32"
7	851-3816-2Z	2	3/8"-16 x 2" Bolt
8	15-0006-1	1	Universal Knuckle
9	15-0006-2	2	Universal Sleeve Assembly
10	815-3816-Z	2	3/8"-16 Nylon Locknut
11	15-0006	1	Complete Universal Knuckle/Sleeve Assembly
12	25-8062	1	Grain Kit Door Handle
13	49-0097	1	Plexiglas Window 6-1/2" x 23-1/2"
14	33-0049	5.16'	Window Weather-Strip (By The Foot)
15	49-0124	2	Poly Bottom Panel
16	49-0132	1	Chain Return Belt Seal
17	33-0028	2	Handle Nut
18	811-5013-4Z	2	1/2" x 4" Eyebolt (6" Overall)
19	49-0126	1	Rear Trough Belting
20	49-0125	1	Front Trough Belting
21	805-0038-Z	2	3/8" Flat Washer
22	14-0036	1	3/8" Lock Collar
23	25-8190-4	1	Door Latch Weldment
24	100-8180-5-2	2	Stabilizing Leg
	32-0040	2	Lynch Pin
25	56-0115	2/4	Red Stop/Tail/Turn Lights
	56-0081	2/0	Amber Turn Signal Light (Mounted On Ag Cart Only)
26	56-0082	4	Oval Grommet
27	56-0070-LED	3	2" Clearance Light With Grommet
	56-0070-2	3	2" Round Grommet
28	56-0102	1	LED Light Harness
29	56-0103	1	Y-Harness Splitter
30	25-8190-7	2	Shield Panel
31	23-0113	1	Upper Shaft To Handle 1" x 30"
32	25-8190-2	1	Center Divider
33	49-0137	1	Side Shield Belting Left, Rear
34	49-0138	1	Side Shield Belting Right, Rear
35	49-0139	1	Side Shield Belting Left, Front
36	49-0140	1	Side Shield Belting Right, Front
37	56-0103-1	1	6-Pin Plug w/Lanyard & Crimp
38	29-0015	1	Spring
39	49-0152	2	Side Gate Belting Seal 2" x 64"
40	25-8190-9	2	Belting Strip
41	25-8190-10	2	Belting Strip
42	25-8190-11	2	Belting Strip
43	49-0161	2	Side Panel Belting
44	49-0154	2	Rear Gate Corner Seal Belting

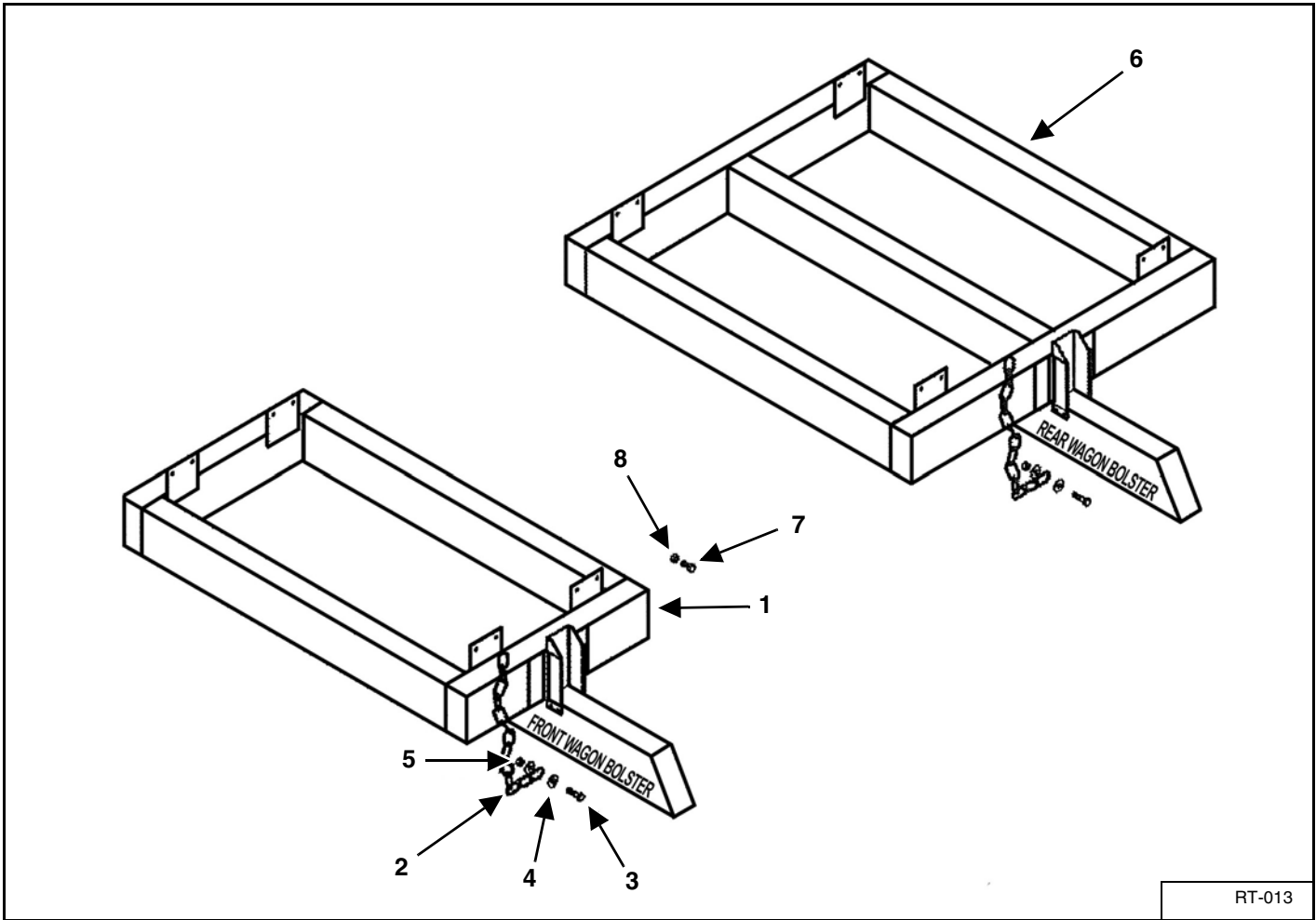
# DOUBLE DOOR GRAIN KIT



RT-005

KEY	PART NUMBER	QTY	DESCRIPTION
1	10-0001	3	50B13 Sprocket, 1" Bore, 1/4" Keyway, W/Set Screws
2	100-8180-1	1	Double Door Grain Kit Main Body Weldment
3	25-8190-2	1	Center Divider
4	100-8180-5-2	2	Stabilizing Leg
	32-0040	2	Lynch Pin
5	124	3	1" Pillow Block Bearing
6	14-0036	1	3/8" Lock Collar
7	15-0006	1	Complete Universal Knuckle / Sleeve Assembly
8	15-0006-1	1	Universal Knuckle
9	15-0006-2	2	Universal Sleeve Assembly
10	851-3816-2Z	2	3/8"-16 x 2" Bolt
11	815-3816-Z	2	3/8"-16 Nylon Locknut
12	23-0099	1	Lower Gate Shaft 1" x 32"
13	23-0113	1	Upper Shaft To Handle 1" x 30"
14	25-8062	1	Grain Kit Door Handle
15	25-8190-4	1	Door Latch Weldment
16	323	2	1" Lock Collar
17	33-0049	5.16'	Window Weather-strip (By the Foot)
18	33-0049	2.15'	Window Weather-strip (By the Foot)
19	49-0097	1	Plexiglas Window 6-1/2" x 23-1/2"
20	49-0124	2	Poly Bottom Panel
21	49-0125	1	Front Trough Belting
22	49-0129	1	Plexiglas Window 4-1/4" x 10"
23	49-0126	1	Rear Trough Belting
24	625-0023-2	1	Door Weldment
25	805-0038-Z	2	Flat Washer 3/8"
26	100-8180-3	1	Left Double Door Grain Kit Mount Weldment
27	100-8180-4	1	Right Double Door Grain Kit Mount Weldment
28	49-0132	1	Chain Return Belt Seal
29	56-0115	2/4	Red Stop/Tail/Turn Lights
	56-0081	2/0	Amber Turn Signal Light (Mounted On Ag Cart Only)
30	56-0082	4	Oval Grommet
31	56-0070-LED	3	2" Clearance Light
	56-0070-2	3	2" Round Grommet
32	56-0102	1	LED Light Harness
33	56-0103	1	Y-Harness Splitter
34	56-0103-1	1	6-Pin Plug w/Lanyard & Crimp
35	49-0139	1	Side Shield Belting Left, Front
36	49-0140	1	Side Shield Belting Right, Front
37	49-0137	1	Side Shield Belting Left, Rear
38	49-0138	1	Side Shield Belting Right, Rear
39	133-BSE-.38-.25-1	AR	Bulb Seal Edge Grip (By the Foot)
40	25-8190-7	2	Shield Panel

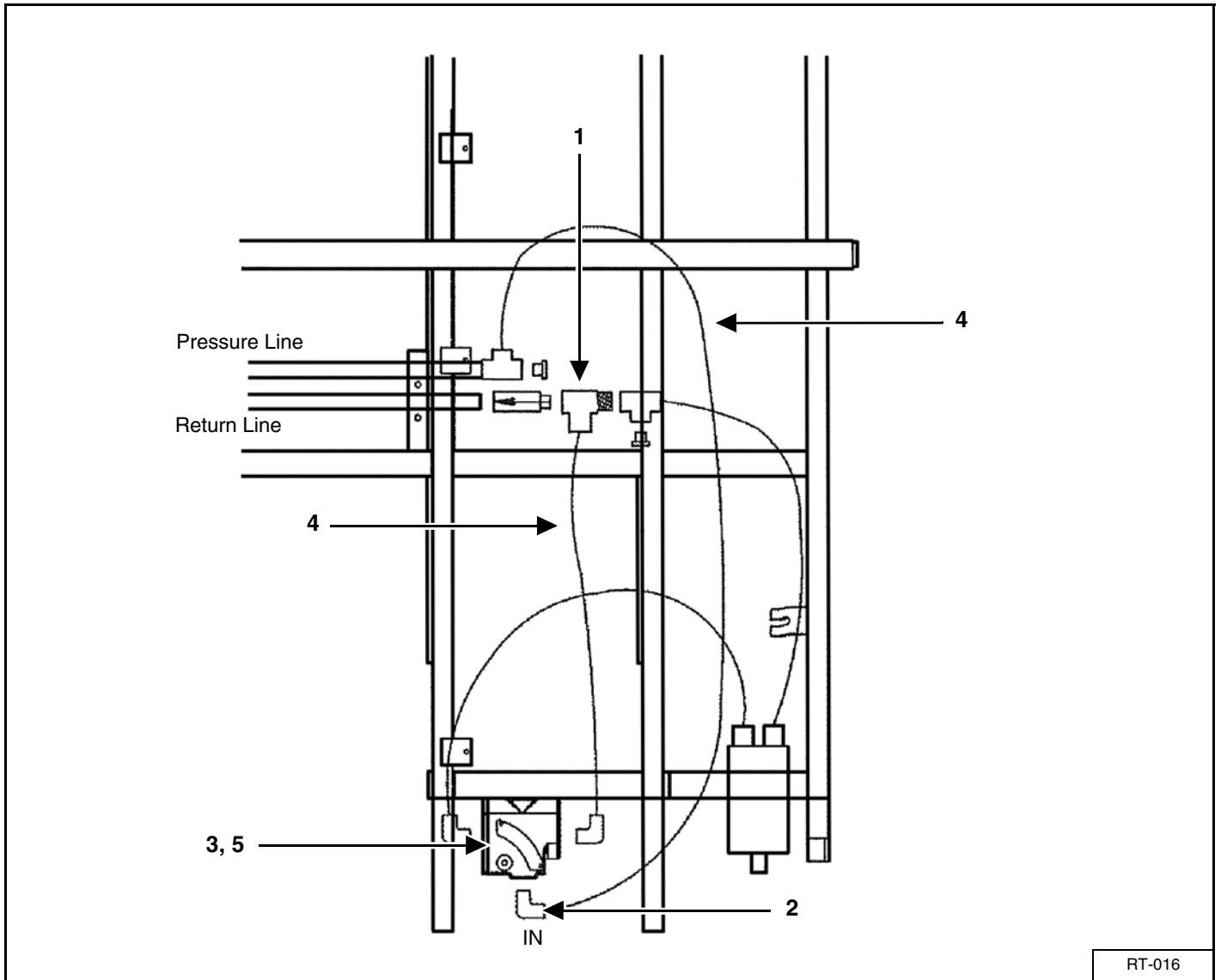
## WAGON MOUNT KIT (#8100 - WAGON)



RT-013

KEY	PART NUMBER	QTY	DESCRIPTION
1	25-8025	1	Wagon Mount Weldment - Front
2	75-0341-4-HD	4	Chain, 61" Long
3	851-3816-1.5Z	4	Bolt, 3/8"-16 x 1.5" Hex Head Machine Bolt
4	805-0038-Z	8	Washer, 3/8" Flat
5	814-3816-Z	4	Nut, 3/8"-16 Center Lock
6	25-8026	1	Wagon Mount Weldment - Rear
7	851-5013-1.25Z	16	Bolt, 1/2"-13 x 1.25" Hex Head Machine Bolt
8	815-5013-Z	16	1/2"-13 Nylon Locknut

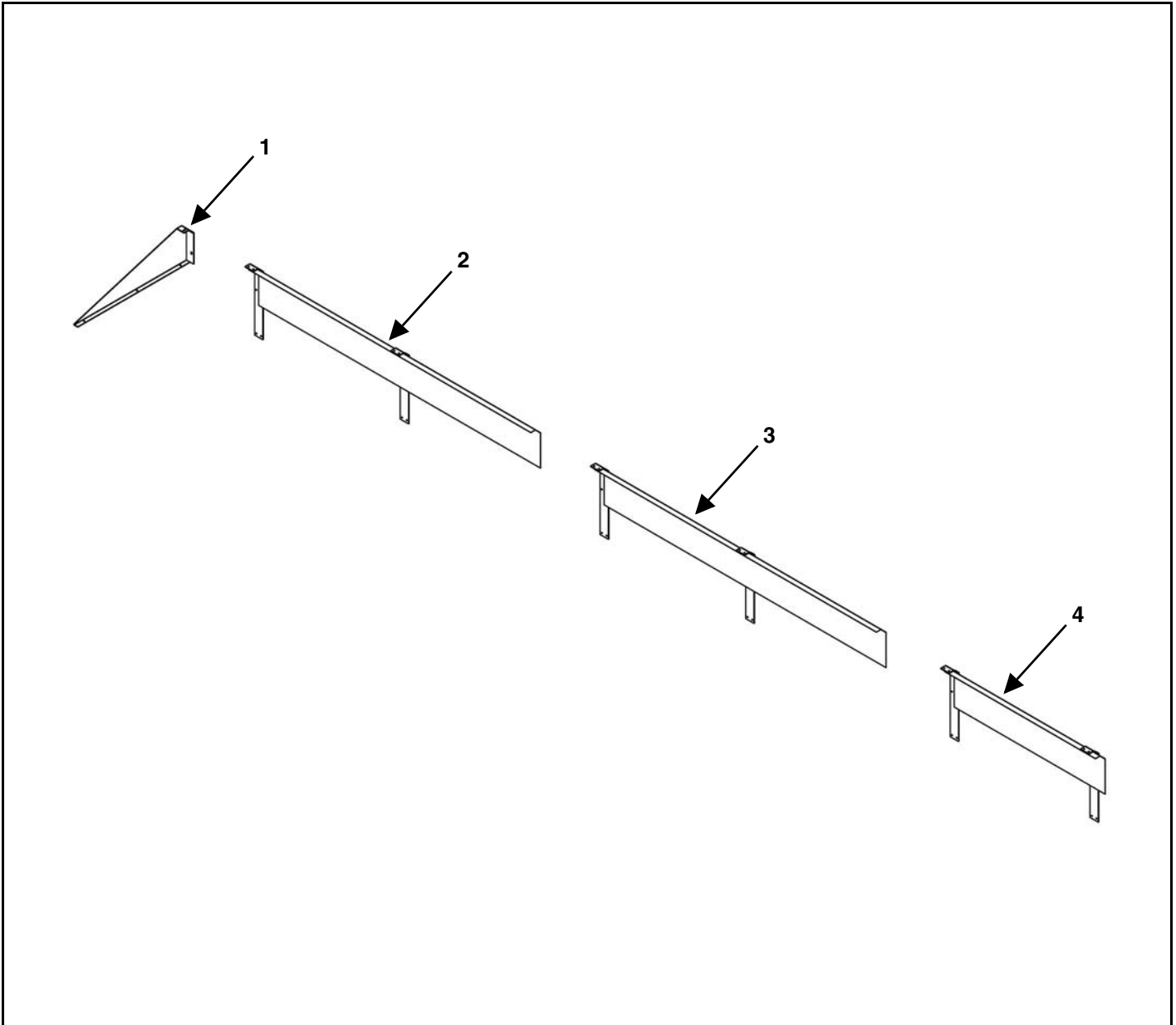
**SINGLE DRIVE 3/4" FLOW CONTROL SYSTEM TRUCK MOUNTS AND AG CART UNDERCARRIAGE**



RT-016

KEY	PART NUMBER	QTY	DESCRIPTION
	8100-RT-FLOW	1	Single Drive 3/4" Flow Control Kit
1	155-5602-12-12-12	1	3/4" Tee Fitting
2	155-6901-12-12	3	3/4" 90° ORB Bulkhead Adapter Fitting
3	25-8211-1	1	Flow Control Mount Bracket (3/4" Flow Control)
4	55-0029	2	3/4" x 36" Hydraulic Hose
5	55-0076-SAE	1	Flow Control

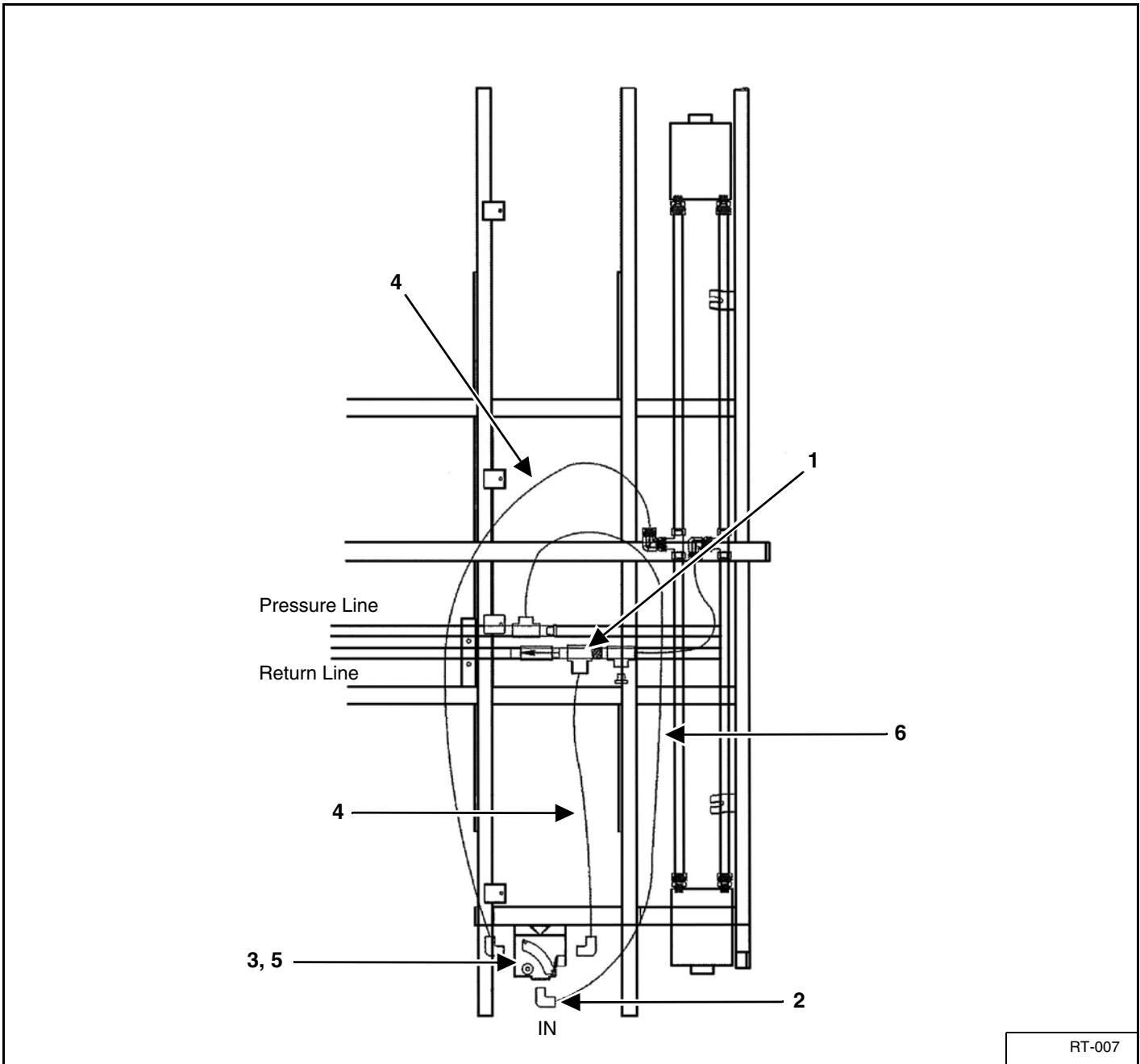
# SIDE HOOD DEFLECTOR





KEY	PART NUMBER	QTY	DESCRIPTION
0	8100-SHD-18-R	1	8118 Side Hood Deflector Kit Screen Covered
	8100-SHD-18-RS	1	8118 Side Hood Deflector Kit Screen Visible
	8100-SHD-20-R	1	8120 Side Hood Deflector Kit Screen Covered
	8100-SHD-20-RS	1	8120 Side Hood Deflector Kit Screen Visible
	8100-SHD-22-R	1	8122 Side Hood Deflector Kit Screen Covered
	8100-SHD-22-RS	1	8122 Side Hood Deflector Kit Screen Visible
	8100-SHD-24-R	1	8124 Side Hood Deflector Kit Screen Covered
	8100-SHD-24-RS	1	8124 Side Hood Deflector Kit Screen Visible
	8100-SHD-26-RS	1	8126 Side Hood Deflector Kit Screen Visible
1	25-8271	1	Front Deflector Panel Assembly
2	25-8272	1	120" Side Hood Deflector Assembly (Standard Height Without Mesh Extensions)
	25-8282	1	120" Side Hood Deflector Assembly (Short Height With Mesh Extensions)
3	25-8272	1	120" Side Hood Deflector Assembly (8122, 8124) (Standard Height Without Mesh Extensions)
	25-8282	1	120" Side Hood Deflector Assembly (8122, 8126) (Short Height With Mesh Extensions)
4	25-8274	1	90" Side Hood Deflector Assembly (8118) (Standard Height Without Mesh Extensions)
	25-8273	1	106" Side Hood Deflector Assembly (8120) (Standard Height Without Mesh Extensions)
	25-8294	1	104-1/4" Side Hood Deflector Assembly (8120) (Short Height With Mesh Extensions)
	25-8276	1	18" Side Hood Deflector Assembly (8122) (Standard Height Without Mesh Extensions)
	25-8284	1	16-1/4" Side Hood Deflector Assembly (8122) (Short Height With Mesh Extensions)
	25-8275	1	48-1/4" Side Hood Deflector Assembly (8124) (Standard Height Without Mesh Extensions)
	25-8283	1	64-1/4" Side Hood Deflector Assembly (8126) (Short Height With Mesh Extensions)

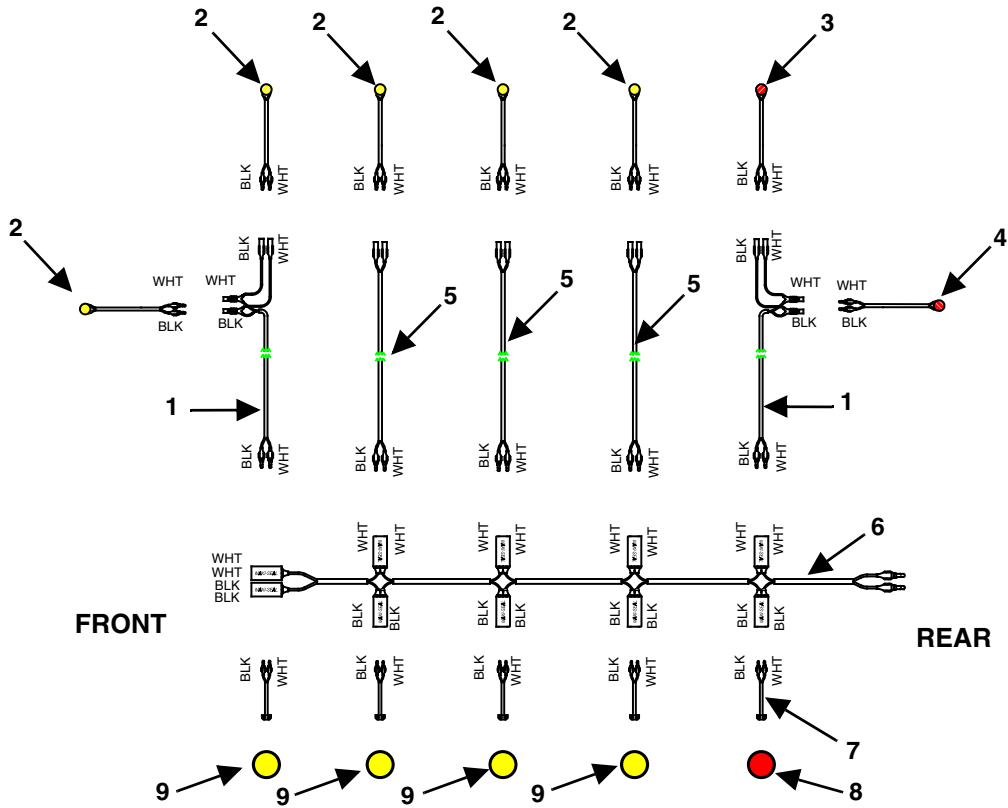
**8126 DUAL DRIVE 3/4" FLOW CONTROL SYSTEM TRUCK MOUNT AND AG CART UNDERCARRIAGE**



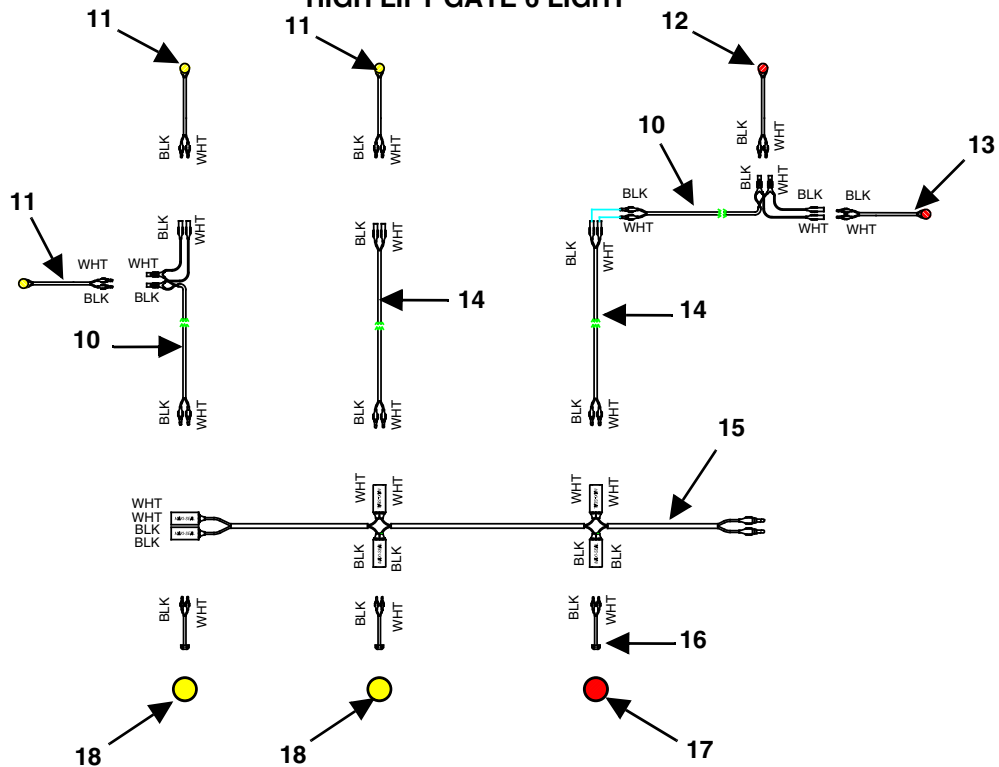
KEY	PART NUMBER	QTY	DESCRIPTION
	9100-RT-FLOW	1	8126 Dual Drive 3/4" Flow Control Kit
1	155-5602-12-12-12	1	3/4" Tee Fitting
2	155-6901-12-12	3	3/4" 90° ORB Bulkhead Adapter Fitting
3	25-8211-1	1	Flow Control Mount Bracket (3/4" Flow Control)
4	55-0029	2	3/4" x 36" Hydraulic Hose
5	55-0076-SAE	1	Flow Control
6	155-12G2-54-1	1	3/4" x 54" Hydraulic Hose

## MARKER LIGHTS (SN 2081252 & LATER)

### 6/10 LIGHT



### HIGH LIFT GATE 6 LIGHT



KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0243	4	Marker Double Extension Harness
2	56-0111-BT	6/10	Flat 1-Diode Amber LED Light (6 Light Package/10 Light Package)
3	56-0111-BT	2	Flat 1-Diode Amber LED Light (Pull Type)
	56-0112-BT	2	Flat 1-Diode Red LED Light (Truck Mount)
4	56-0112-BT	2	Flat 1-Diode Red LED Light
5	56-0241	2/6	Marker Extension Harness (6 Light Package/10 Light Package)
6	56-0288	2	8118 Side Marker Harness (6 Light Package)
	56-0289	2	8120 Side Marker Harness (6 Light Package)
	56-0290	2	8122 Side Marker Harness (6 Light Package)
	56-0273	2	8124 Side Marker Harness (6 Light Package)
	56-0274	2	8126 Side Marker Harness (6 Light Package)
	56-0287	2	8122 Side Marker Harness (10 Light Package)
	56-0269	2	8124 Side Marker Harness (10 Light Package)
	56-0270	2	8126 Side Marker Harness (10 Light Package)
7	56-0027-BT	6/10	Male Bullet Terminal (6 Light Package/10 Light Package)
8	56-0025-LED	2	2-1/2" Amber LED Light (Pull Type)
	56-0036-LED	2	2-1/2" Red LED Light (Truck Mount)
	56-0026	2	2-1/2" Round Grommet
9	56-0025-LED	4/8	2-1/2" Amber LED Light (6 Light Package/10 Light Package)
	56-0026	4/8	2-1/2" Round Grommet (6 Light Package/10 Light Package)
10	56-0243	4	Marker Double Extension Harness
11	56-0111-BT	6	Flat 1-Diode Amber LED Light
12	56-0111-BT	2	Flat 1-Diode Amber LED Light (Pull Type)
	56-0112-BT	2	Flat 1-Diode Red LED Light (Truck Mount)
13	56-0112-BT	2	Flat 1-Diode Red LED Light
14	56-0241	4	Marker Extension Harness
15	56-0273	2	8124 Side Marker Harness
16	56-0027-BT	6	Male Bullet Terminal
17	56-0025-LED	2	2-1/2" Amber LED Light (Pull Type)
	56-0036-LED	2	2-1/2" Red LED Light (Truck Mount)
	56-0026	2	2-1/2" Round Grommet
18	56-0025-LED	4	2-1/2" Amber LED Light
	56-0026	4	2-1/2" Round Grommet

## 11.0 SPECIFICATIONS

DIMENSIONS	8118	8120	8122	8124	8126
Inside Length	18'	19'4"	22'	24'8"	26'
Inside Width	97"	97"	97"	97"	97"
Inside Height - no extension	72"	72"	72"	72"	72"
Inside Height w/14" extension	85.5"	85.5"	85.5"	85.5"	85.5"
Overall Length	19'1"	21'1"	23'1"	25'9"	27'1"
Overall Width	102"	102"	102"	102"	102"
Overall Height - no extension (top of gate) *	103.5"	103.5"	103.5"	103.5"	103.5"
Overall Height w/14" extension (top of gate) *	115.5"	115.5"	115.5"	115.5"	115.5"
Overall Side Height - no extension *	88.25"	88.25"	88.25"	88.25"	88.25"
Overall Side Height - extension *	102"	102"	102"	102"	102"
Stringer Width (Truck/Trailer Mount)	33.5"	33.5"	33.5"	33.5"	33.5"
Capacity (struck level) Cu. Ft. - no extension	880	960	1075	1200	1260
Capacity (struck level) Cu. Ft. - w/14" extension	945	1110	1280	1400	1495
*Height measurements - Straight Truck Mounted Units require hardware which adds approximately 1.5" to height.					

SPECIFICATIONS	8118	8120	8122	8124	8126
Maximum Net Load (off road rating)	25 ton	25 ton	25 ton	25 ton	25 ton
Apron Chains (pintle)	667XH	667XH	667XH	667XH	667XH
Rear Drive Shaft (HD Solid Shaft)	2-3/8"	2-3/8"	2-3/8"	2-3/8"	2-3/8"
Power Source / Direct Geardrive	hyd	hyd	hyd	hyd	hyd / dual
Upright Spacing	16" o/c	16" o/c	16" o/c	16" o/c	16" o/c
Upright / Cross Member Construction	2x2 tubing	2x2 tubing	2x2 tubing	2x2 tubing	2x2 tubing
Enclosed Side Frame/Cross Member Union	NA	NA	NA	NA	NA
Unloading Time (Dependent of Hyd. System)	40 seconds	40 seconds	40 seconds	40 seconds	50 seconds

See the "Forage Box Truck Mount Specifications and Mounting Instructions" for additional information. These instructions may also be found at [www.meyermfg.com/specifications.php](http://www.meyermfg.com/specifications.php).



**MAINTENANCE RECORD**

**MODEL NO.** \_\_\_\_\_

**SERIAL NO.** \_\_\_\_\_

DATE	SERVICE PERFORMED

DATE	SERVICE PERFORMED

**Manufactured by:**

**Meyer Manufacturing Corporation**  
674 W. Business Cty Rd A  
Dorchester, WI 54425  
Phone: 1-800-325-9103  
Fax: 715-654-5513  
Email: [parts@meyermfg.com](mailto:parts@meyermfg.com)  
Website: [www.meyermfg.com](http://www.meyermfg.com)





**Meyer Manufacturing Corporation**

674 W. Business Cty Rd A

Dorchester, WI 54425

Phone: 1-800-325-9103

Fax: 715-654-5513

Email: [parts@meyermfg.com](mailto:parts@meyermfg.com)

Website: [www.meyermfg.com](http://www.meyermfg.com)