

PB-RT-2W

Patent

6,996,935

7,293,817

7,631,459

8,813,882



RT / RTX SERIES

RT216 • RT218 • RT220 • RT222 • RTX220 •
RTX222 • RTX224 • RTX226

Owner/Operator's Manual
&
Parts Book

2015 Model Year And Later

Supplement Manual: See PB-RTA-SUP



1/24/2024



1.0 IMPORTANT INFORMATION

Prior to 2016 model year, the serial number plate is located to the right of the control handles as well as stamped above the discharge opening on the unit discharge end frame.

For 2016 model year and later, the serial number plate is located above the discharge opening on the unit discharge end frame.

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



Prior to 2016
Model Year
Serial Number

Model No. _____

Serial No. _____

Date of Purchase _____

Dealership _____

Dealership Phone No. _____



Model Year 2016 &
Later
Serial Number

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

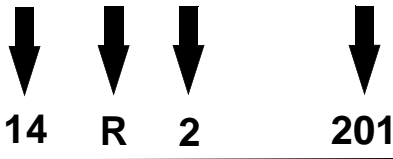
HOW TO READ THE SERIAL NUMBER



Prior to 2016
Model Year
Serial Number

EXAMPLE: 14R2201

Model Year / RT / Model / Sequence Of Build



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Dorchester, WI 54425
Phone: 1-800-325-9103
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2.0 PRE-DELIVERY & DELIVERY 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. Refer to 8.1 LUBRICATION.
- PTO shields turn freely.
- All roller chain springs adjusted properly for automatic tensioning. Refer to 8.2 ADJUSTMENTS.
- Cross conveyor chain and main apron chains are at proper tension. Refer to 8.2 ADJUSTMENTS.
- Emergency stop and trip cables operate properly.
- All stop/tail/turn lights work properly.
- All decals are in place and legible.

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 implement.
- Explain and review with customer the Implements manufacturer's warranty.
- Show the customer where to find the serial number on the implement.
- Explain and review with the customer the 5.1 SAFETY PRECAUTIONS.
- Explain and review with customer the "Emergency Stop" and proper "Start-up and Operating Procedures" sections of this manual.
- Demonstrate the "Emergency Stop" operation, activation and reset. Also, demonstrate the PTO shaft locking device, main outfeed clutch adjustments, and the three control lever operations.
- Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the implement. Review with the customer the 8.1 LUBRICATION and 8.2 ADJUSTMENTS sections of this manual.
- Explain the importance of cross conveyor & main apron chain tension, and the need to watch and tighten during the break in period.
- Explain and review with the customer the recommended loading and unloading procedures.
- Fully complete this PRE-DELIVERY & DELIVERY CHECK LIST with the customer.



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 RT Model is available as a truck, Ag cart or wagon mounted unit pulled and powered by a farm tractor.

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

The RT Model may be referred to as 2-way, forage box, implement or front and rear unloading forage box in this manual.

Note: All references to right hand (RH), left hand (LH) front and rear apply to the product as viewed from the rear of the box.



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 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 implement by your dealer and the manufacturer when ordering repair parts. *The serial number plate is located above the discharge opening on the unit discharge end frame.*



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 number and serial number of the implements 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.



4.0 MANUFACTURER'S WARRANTY

MEYER RT FORAGE BOX

2/2015

- 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 & 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.
- IV COMMERCIAL USE: Coverage as in paragraph III.A.i. ONLY, except warranty coverage is for (90) days for parts and labor to the original commercial retail customer.
- V 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.
- VI 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.
- VII 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.
- VIII Tires, optional scales and tarps fall under the original manufacturer's warranty.



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5.0 SAFETY

The Meyer implement is manufactured with operator safety in mind. Located on the implement are various safety signs to aid in operation and warn of danger or caution areas. Pay close attention to all safety signs on the implement.

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 implement, read and study the following safety information. In addition, make sure that every individual who operates or works with the implement, 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 implement itself warn you of dangers and must be read and observed closely!



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!



DANGER

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.



WARNING

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



CAUTION

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

 **CAUTION**



All individuals who will operate this implement must read and completely understand this Owner / Operator's and Parts Manual. Operator must receive instructions before operating the machine. Untrained operators can cause injury or death.

- The emergency stop mechanism stops only the front unloading unit from operating and not the rear unloading operation of the forage box! Trip the emergency stop regularly with the trip cables to ensure that it will shut the front unloading unit down in an emergency.
- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement 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.
- Operator's 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 implement.
- DO NOT operate until all shields and guards are in place and securely fastened.
- DO NOT adjust, clean or lubricate while the implement 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 implement before starting it!
- Make certain everyone is clear of the implement before applying power.
- Make certain everyone stays clear of the cross conveyor and discharge opening while operating.
- 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. Refer to 5.4 SHUTOFF & LOCKOUT POWER.
- 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).
- DO NOT step up on any part of the implement at any time. DO NOT use the PTO guard as a step.
- DO NOT step over the PTO (Power Take-Off) shaft. Stay clear of the PTO at all times.
- Keep PTO shaft telescoping tube shields turning freely. Keep PTO master shield on tractor. Replace damaged or missing shields.
- Match the right tractor PTO spline and speed with the PTO driveline provided with the implement. Never operate PTO above normal 540 RPM rating. Never connect implement PTO shaft to a 1000 RPM tractor PTO. Never use a spline adapter.
- Stay away from overhead power lines. Electrocution 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:

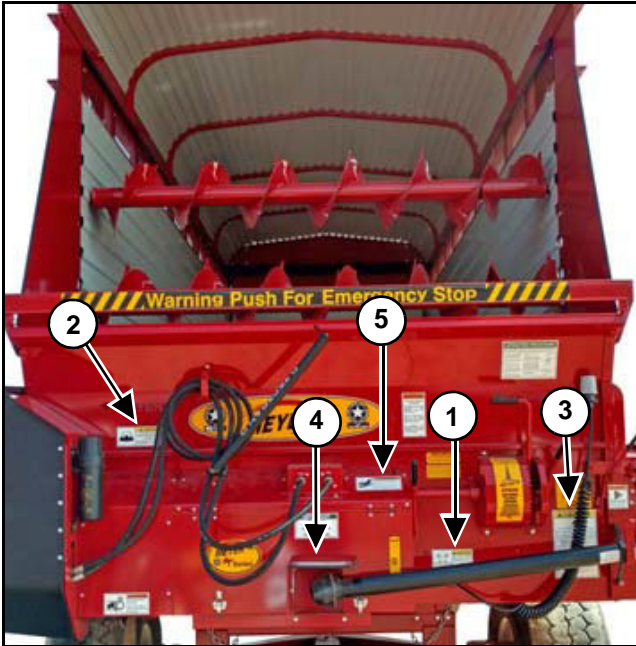
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel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

5.2 SAFETY SIGNS

CAUTION

Read all safety signs on the implement 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 IMPLEMENT



1

	<h3>CAUTION</h3>
	<p>Use Flashing Warning Lights when transporting on <u>ALL</u> highways (public roadways) at <u>ALL</u> times.</p> <p style="text-align: center;">EXCEPT WHEN PROHIBITED BY LAW!</p> <p>(Check w/local law enforcement)</p> <p style="text-align: right;"><small>46-0001-62 1</small></p>
<p><small>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 travelling LESS than 20 mph (32 kph).</small></p>	

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

2

	<h3>CAUTION</h3>
	<p>TO PREVENT SERIOUS INJURY OR DEATH</p> <ul style="list-style-type: none"> • DO NOT start, operate, or work on this machine without first carefully reading and thoroughly understanding the entire contents of the operators manual. (Require the same of all personnel who will operate this machine.) • If operators manual is lost, contact your nearest Meyer Dealership or write or call: MEYER MFG. CORP. P.O. BOX 405 • Dorchester, WI 54425-0405 Phone 1-800-325-9103 <p>Please give your name, address, phone number, model and serial number of your machine. A manual will be furnished.</p> <ul style="list-style-type: none"> • If you have any questions about operation or adjustments, and maintenance of this machine, contact your Meyer Dealership or Meyer Mfg., Corp. before starting or continuing the operation of this machine. <p><small>46-0001-35 1</small></p>

PART NO. 46-0001-35

3

<h3>CAUTION</h3>
<p>SAFETY FIRST</p>
<p>Do Not Operate This Machine Without Reading These Instructions!</p> <p>Meyer Manufacturing Corporation provides guards for exposed moving parts for the operator's protection; however, some areas cannot be guarded or shielded in order to ensure proper operation. The operator's manual and safety signs on the equipment itself warn you of hazards and must be read and observed closely!</p> <p>The safety alert symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to be careful!</p> <p style="text-align: center;">SAFETY PRECAUTIONS</p> <p>DO NOT allow anyone to operate, service, inspect or otherwise handle this equipment until all operators have read and understood all of the instructional materials in the operator's and parts manual and have been properly trained in its intended usage.</p> <p>DO NOT operate until all shields and guards are in place and securely fastened.</p> <p>DO NOT step up on any part of the equipment that is not designated as a seat, ladder, or viewing platform at any time. Never allow riders on either tractor / truck or equipment.</p> <p>Ensure the machine is and will remain in the OFF condition before adjusting, servicing, maintaining, or clearing an obstruction from this machine.</p> <p>PTO OPTIONS: The tractor PTO MUST match the implement PTO. NEVER USE PTO ADAPTERS. PTO shield MUST be in place and rotate freely. Always run PTO in a straight line to avoid an accident due to PTO damage.</p> <p>Know how to stop operation of the equipment before starting it! Make certain everyone is clear of the equipment before applying power. Make certain everyone stays clear of the discharge opening while operating.</p> <p>Keep hands, feet, and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.</p> <p>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.</p> <p>Keep all safety signs clean and replace any damaged or missing safety signs before operating the equipment. DO NOT remove any safety signs. If any safety signs become damaged or lost, call your local Meyer dealer or Meyer factory direct 1-800-325-9103 for replacement. Always use GENUINE MEYER replacement parts.</p> <p style="text-align: right;"><small>46-0001-22 1</small></p>

PART NO. 46-0001-22

4

	<h3>WARNING</h3>
	<p>NOT A STEP!</p> <p>This is a PTO Guard. Very serious injury or amputation could result from contact with rotating PTO shaft.</p> <p style="text-align: right;"><small>46-0004-2 1</small></p>

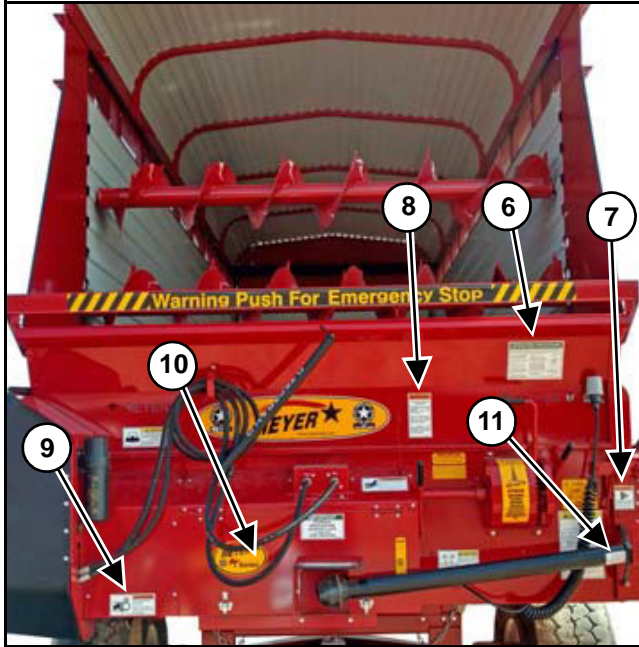
PART NO. 46-0004-2

5

	<h3>WARNING</h3>
	<p>OIL INJECTION HAZARD</p> <p>RELIEVE PRESSURE BEFORE SERVICING.</p> <p>DO NOT CHECK WITH HANDS.</p> <p>IF INJURED SEEK EMERGENCY MEDICAL ATTENTION.</p> <p style="text-align: right;"><small>46-8500-7 1</small></p>

PART NO. 46-8500-7

FRONT OF IMPLEMENT



9



PART NO. 46-0001-4

10



PART NO. 46-0001-26
(Located Under Shield)

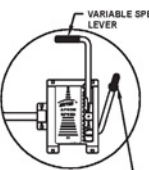
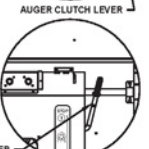

6

OPERATING PROCEDURE

NOTE: The VARIABLE SPEED, AUGER CLUTCH, and OUTFEED CLUTCH levers must be in their "STOP" positions when engaging and disengaging the PTO drive shaft (or optional hydraulic drive). All forage box control lever selections are to be made while the PTO (or hydraulic) power is in operation. If the control levers are engaged before power is applied, damage may occur to the VARIABLE SPEED drive and the OUTFEED CLUTCH drive. Failure to follow correct operating procedures may cause equipment damage and void the manufacturer's warranty.

1. Park the forage box so the discharge cross conveyor is in alignment with the bagger/blower hopper. Park the forage box and tractor in a straight line to prevent wearing of PTO drive shaft joints. If equipped with a cross conveyor extension, lower it down for unloading.
2. Check that the OUTFEED CLUTCH lever is in the "STOP" position, and the AUGER CLUTCH & VARIABLE SPEED levers are in their "STOP" positions.
3. Slowly engage the tractor PTO and set the engine speed from 1300-1500 RPM, which should give a PTO speed of 300-375 RPM.
4. Intermittently engage the OUTFEED CLUTCH lever in the "RUN" position and allow the cross conveyor to empty out any accumulation of forage in the front conveyor of the forage box. After the forage has emptied, fully engage the OUTFEED CLUTCH lever into the "RUN" position.
5. Intermittently engage the AUGER CLUTCH lever in the "RUN" position to allow the augers to empty out any accumulation of forage in the augers. After the augers have emptied, fully engage the AUGER CLUTCH lever into the "RUN" position.
6. Set the VARIABLE SPEED lever in a slow speed setting to start unloading. Increase speed of the VARIABLE SPEED lever to regulate rate of forage box unloading speed to match capacity of the bagger/blower. Use faster setting for main apron "cleansout" and small or partial loads.
7. When unloading is complete, slowly return the VARIABLE SPEED lever to the "STOP" position and then the AUGER CLUTCH lever to the "STOP" position. Then, disengage the OUTFEED CLUTCH lever to the "STOP" position. Idle down the tractor engine RPM and shut off the tractor PTO lever. Disconnect the PTO shaft from the tractor and secure it in the PTO hanger bracket at the front of the forage box. If the forage box is equipped with a cross conveyor extension, raise it up to the transport position.

When Rear Unloading:
All 3 control levers MUST be in the disengage ("STOP") position.

46-0001-164 1

PART NO. 46-0001-164

11

DANGER




ROTATING DRIVE SHAFT
CONTACT CAN CAUSE DEATH
KEEP AWAY!
DO NOT OPERATE WITHOUT-

- ALL DRIVE SHAFT GUARDS, TRACTOR AND EQUIPMENT SHIELDS IN PLACE
- DRIVE SHAFT SECURELY ATTACHED AT BOTH ENDS
- DRIVE SHAFT GUARDS THAT TURN FREELY ON DRIVE SHAFT
- READ OPERATOR'S MANUAL

DO NOT USE PTO ADAPTORS

PART NO. 46-0001-13 A

7



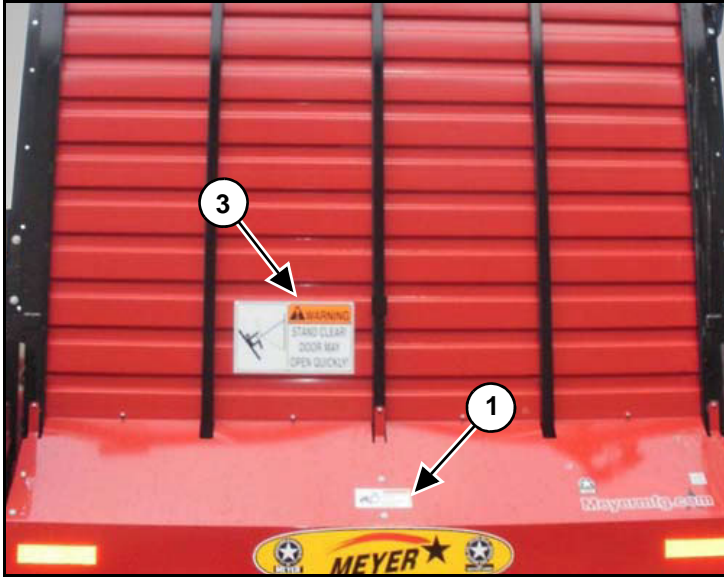
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8



PART NO. 46-0001-72

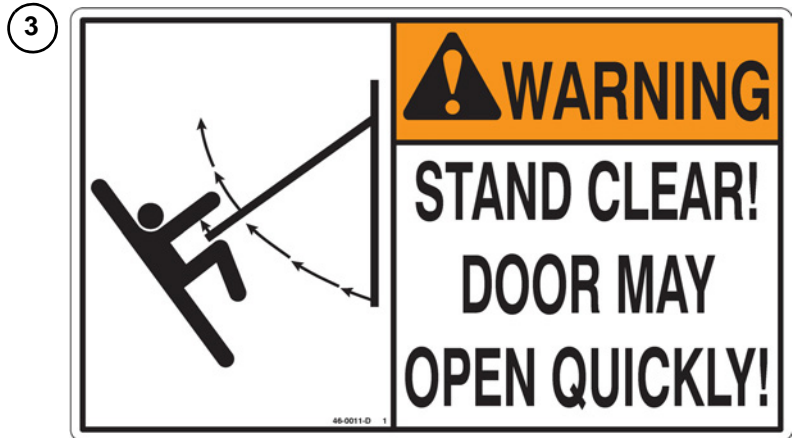
REAR OF IMPLEMENT



PART NO. 46-0001-4

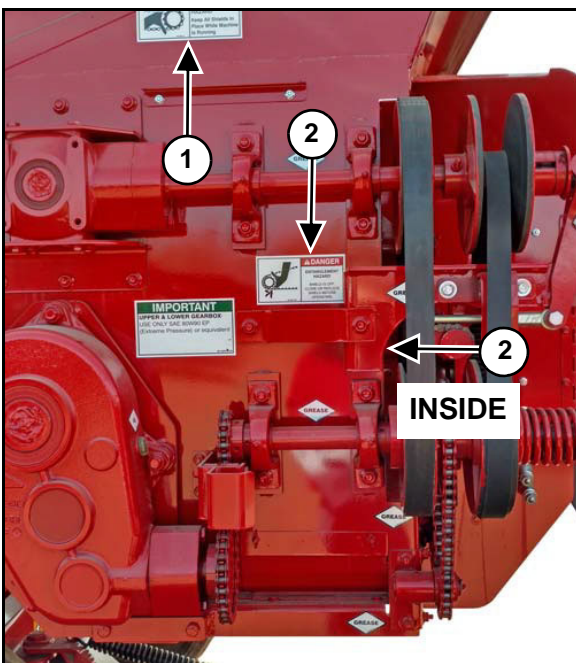


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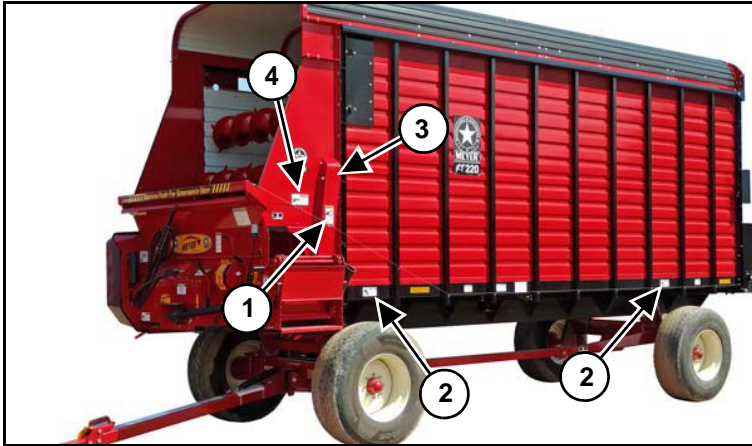


PART NO. 46-0011-D

RIGHT FRONT OF IMPLEMENT



LEFT SIDE OF IMPLEMENT



3



PART NO. 46-0001-33

1



PART NO. 46-0001-20

4



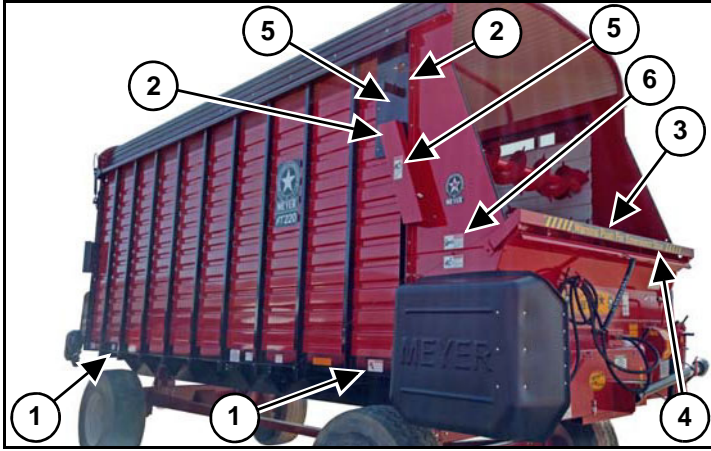
PART NO. 46-0001-5

2



PART NO. 46-0001-26
(Located Under Shield)

RIGHT SIDE OF IMPLEMENT



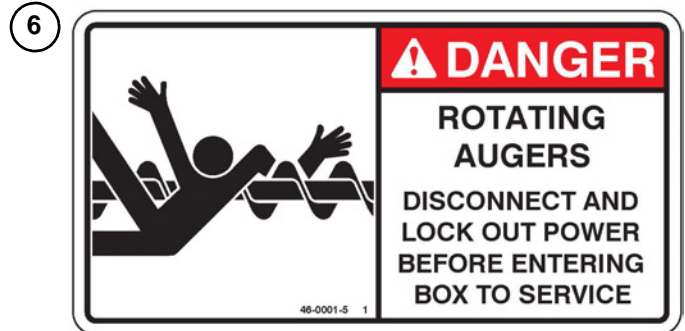
PART NO. 46-0001-33



PART NO. 46-0001-20



PART NO. 46-0001-26
(Located Under Shield)



PART NO. 46-0001-5



PART NO. 46-0001-14



PART NO. 46-0001-15

5.3 EMERGENCY SAFETY STOP



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

5.3.1 Emergency Stop Trip Locations

The “Warning Push For Emergency Stop” bar (Item 1) is located on the front of the forage box.

Emergency stop trip cables (Item 2) connected to the “Warning Push For Emergency Stop” push bar extend along both sides of the forage box.

5.3.2 Front Unloading Emergency Stop Operation

Push up on the bar (Item 1) to shut down the forage box in an emergency.

Pull on the trip cables (Item 2) to shut down the forage box in an emergency.

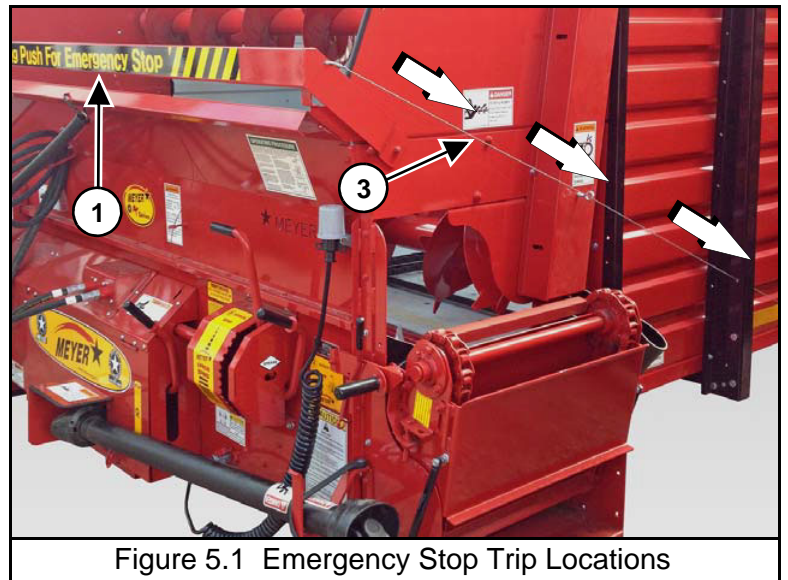


Figure 5.1 Emergency Stop Trip Locations

Note: *The emergency stop mechanism DOES NOT STOP the PTO drive shaft, nor the rear unloading operation of the forage box.*

5.3.3 Resetting the Emergency Stop



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

Do not reset the emergency stop mechanism until all bystanders, tools and other objects have been cleared from the forage box. Failure to heed may result in serious personal injury or death.

To reset the emergency stop mechanism, fully engage the Independent Outfeed Clutch control lever into the “Run” position.

Test the emergency stop mechanism frequently for front unloading operations using the push bar and trip cables at the rear most point of the box, to be assured that the emergency stop mechanism is in proper operating condition and can be shutdown in the event of an emergency.

Note: *Always keep excessive slack out of the emergency stop trip cables.*

5.4 SHUTOFF & LOCKOUT POWER



CAUTION

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.

5.4.1 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 movable 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



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



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

Verify that the implement is securely hitched to the tractor/truck.

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

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



Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition.


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. Refer to Section 8.2 ADJUSTMENTS.
3. Lubricate the equipment. Refer to Section 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. Refer to Section 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


Note: *The lighting system provided is intended for being transported by an agricultural tractor.*

Ensure that lights and indicators are clean and in good working order. When attaching to a towing vehicle other than a tractor always check lighting for proper operation as wiring may vary. Connect to the standardized 7-pin socket located at the back of the tractor.

7-PIN TRACTOR CONNECTION			
Color	Function	SAE Terminal	SAE Connector
White	Ground	1	 <p>Viewed From Back</p>
	Not Used	2	
Yellow	Left Turn & Hazard	3	
	Not Used	4	
Green	Right Turn & Hazard	5	
Brown	Tail Lights	6	
	Auxiliary Power	7	

Note: *The brake wire should only be connected to the #4 terminal if the #4 terminal on the tractor is confirmed to be a brake light terminal. If the tractor does not have a brake light terminal, cap / seal off the end of the brake wire of the implement (secure to other wires).*

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

4-PIN IMPLEMENT CONNECTION			
Color	Function	SAE Terminal	SAE Connector
Brown	Tail Lights	1	 <p>Viewed From Back Of Receptacle</p>
Green	Right Turn & Hazard	2	
Red	Left Turn & Hazard	3	
White/Red	Ground	4	

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

6.3 HYDRAULIC HOOK-UP



WARNING

Hydraulic fluid escaping under pressure can have sufficient force to cause injury. Keep all hoses and connections in good serviceable condition.

Whenever working on any part of the hydraulics, safely relieve hydraulic pressure before starting.

IMPORTANT

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

Truck & Tractor hydraulic system should be capable of 25 GPM @ 3000 PSI peak pressure. If truck mounted, install a relief valve set to 3000 PSI. Engine RPM should be 1500 RPM. Set up hydraulic system on Truck mounted units with a minimum of a 30 gallon reservoir. 3/4" NPT for front and rear hydraulic hookup. Selector valve is required to switch from front to rear drive.

Call the factory for further information.

Note: *The PTO horsepower and/or hydraulic requirements may not reflect adequate tractor size for towing the machine. Refer to 6.9.3 Tractor Towing Size Requirements for these recommendations and 6.9 TRANSPORTING for additional tractor and towing requirements.*

6.4 PTO DRIVELINE OPTION



DANGER

Do not operate without PTO guard on implement and tractor. Maintain PTO drive shaft guard in good operating condition. Replace them if damaged and not turning freely.



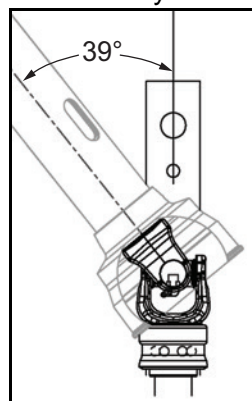
CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

The tractor half of the PTO drive shaft assembly must be locked securely to the tractor output shaft and the implement half of the PTO drive shaft assembly must be locked securely to the implement driveline.

See the PTO Installation, Service, and Safety Instruction Manual for additional PTO details. For a replacement manual, call the factory at 1-800-325-9103.

See the ADMA Safety Manual for further safety situations and precautions, ensure all operators become familiar with it. For a replacement manual, call the factory at 1-800-325-9103.



6.5 TRACTOR DRAWBAR SETUP



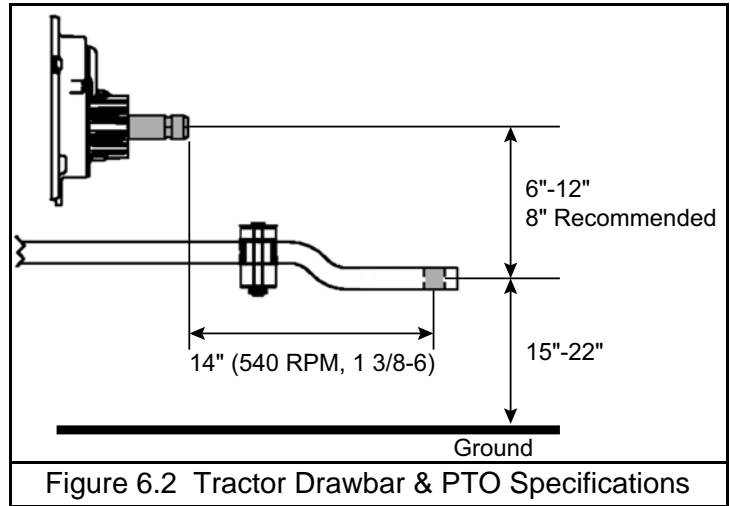
DANGER

Do not operate without PTO guard on implement and tractor. Maintain PTO drive shaft guard in good operating condition. Replace them if damaged and not turning freely.

This implement is to be operated with 540 RPM PTO ONLY. No PTO adapter should be used to alter speed or geometry. Set your tractor drawbar to conform to the standard dimensions as shown on the following illustration. This will ensure that the PTO drive shaft will not be over extended.

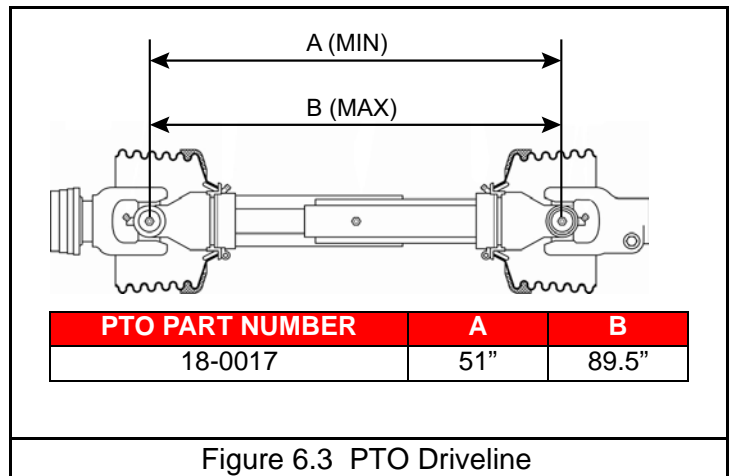
Adjust the tractor's drawbar in / out, until the center of the hitch pin hole matches the correct PTO set up. See your tractor's owner's manual for correct adjustment procedures.

The distance between center of the tractor PTO shaft and drawbar should be between 6 - 12 inches (8 inches is recommended).



An improperly positioned hitch point may cause damage to the universal joints of the PTO drive shaft. Conforming to the standard 14" drawbar & PTO relationship will ensure that the PTO drive shaft will not become over-extended.

With initial hook-up to your implement, test PTO travel by turning equipment in both directions observing the minimum (A) and maximum (B) travel dimensions as shown, Figure 6.3.



6.6 HITCHING TO TRACTOR



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

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

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: TRAILER MODELS ONLY: 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. Connect any optional equipment as needed.

6.7 START-UP AND SHUT-DOWN



Disengage electric/ 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 from moving components.



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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

Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.

6.7.1 Front Unload Start-Up

1. Check that the Independent Outfeed Clutch, Variable Speed & Auger Clutch control levers are in the "Stop" position. If equipped with a cross conveyor extension, lower it down.
2. Connect the tractor half of the PTO drive shaft assembly. The PTO must be locked securely to the tractor output shaft and the implement half of the PTO drive shaft assembly must be locked securely to the forage box drive line.
3. Enter the truck or tractor and start the engine.
4. Slowly engage the tractor PTO and set the engine speed from 1300-1500 RPM, which should give a PTO speed of 300-375 RPM.
5. Exit the tractor.
6. Approach the operator's position on the front left side of the forage box ONLY by walking along the left side of the tractor.
7. Slowly engage the Independent Outfeed Clutch lever in the "Run" position.
8. Slowly engage the Auger Clutch lever in the "Run" position.
9. Set the Variable Speed lever in a slow speed setting.

6.7.2 Front Unload Shut-Down

1. Slowly return the Variable Speed lever to the "Stop" position.
2. Slowly return the Auger Clutch lever to the "Stop" position.
3. Disengage the Independent Outfeed Clutch lever to the "Stop" position.
4. Disengage the PTO.
5. If equipped with a cross conveyor extension, raise into the transport position.
6. When all movement has stopped, disconnect the PTO drive shaft from the tractor and return it to the PTO storage bracket. Secure the PTO drive shaft into the PTO storage bracket with the rubber tie down strap.
7. Park the truck or tractor on a flat, level surface.
8. Engage the parking brake, stop the engine and exit the truck or tractor.

6.7.3 Rear Unload Start-Up

1. Enter the truck or tractor and start the engine.
2. Slowly engage the hydraulics.
3. Increase engine RPM to 1500.

6.7.4 Rear Unload Shut-Down

1. Reduce engine speed to idle.
2. Disengage the hydraulics.
3. Stop the engine and exit the tractor or truck.
4. Verify that the door latches have engaged the apron chain links properly, securing the door in the closed position.

6.8 OPERATIONAL CHECKS



Make certain all personnel are clear of the implement and the rotating spinners or beaters before applying power.



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



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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

Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.

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 6.7.1 Front Unload Start-Up or 6.7.3 Rear Unload Start-Up depending on your intended use of the box.
3. Operate the forage box for approximately 5-10 minutes.
4. Follow the Shut-Down procedure section 6.7.2 Front Unload Shut-Down or 6.7.3 Rear Unload Start-Up depending on your intended use of the box.
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 and 8.2 ADJUSTMENTS.

6.8.1 Controls

1. Independent Outfeed Clutch

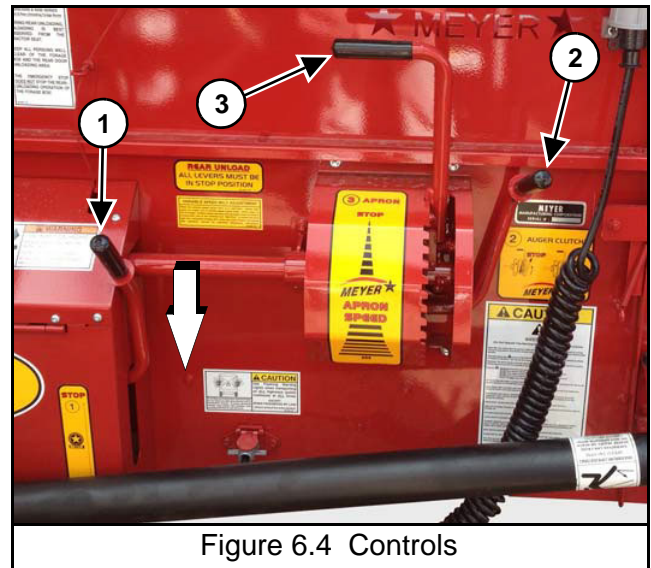
- Engage or disengage the front unloading drive system.

2. Auger Clutch

- Engage or disengage front unload augers.

3. Variable Speed

- Set the main apron speed.

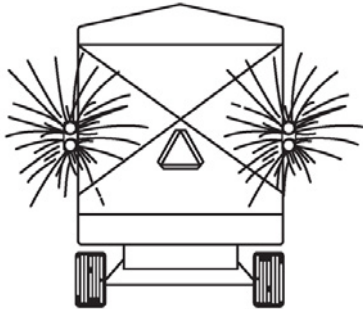


6.9 TRANSPORTING

CAUTION

- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement until all operators have read and understand all of the instructional materials in this Owner/ Operator's and Parts Manual and have been properly trained in its intended usage.
 - Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, 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).
 - Adhere to 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



- 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



- 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 (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.

WARNING

(Tractor Powered) Do not tow at speeds in excess of 20 mph.

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.

Verify that the fold down cross conveyor extension (if equipped), is folded up (raised position) to reduce transport width.

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.

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.

6.9.1 Fold Down Cross Conveyor Extension (Optional)

Always disconnect the PTO driveline from the tractor and place in the PTO storage bracket (Item 1) before transporting. Failure to do this may result in equipment damage.

Always transport with the fold down cross conveyor extension (Item 2) folded up.

Disconnect the hydraulic hoses from the tractor and place in the storage brackets (Item 3) before transporting.

Check and observe that the rear discharge door is completely latched closed before traveling on roadways.

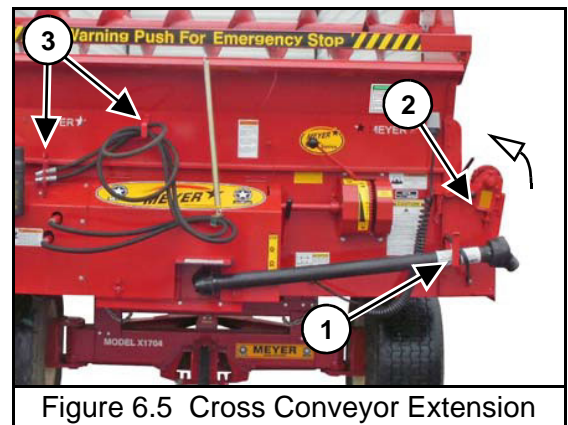


Figure 6.5 Cross Conveyor Extension

6.9.2 Safety Chain



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 implement. See your ag cart or wagon owner / operator's manual and parts book, which is also available at 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 implement.

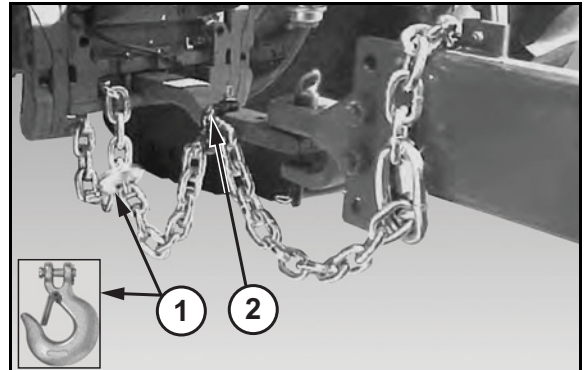


Figure 6.6 Scale Indicator

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

6.9.3 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 two thirds 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.

Note: *Implement Loaded Weight x 0.667 = Minimum Tractor Weight Up to 20 mph*

Model	MAXIMUM IMPLEMENT GROSS WEIGHT (LBS)	MINIMUM TRACTOR WEIGHT UP TO 20 MPH (LBS)

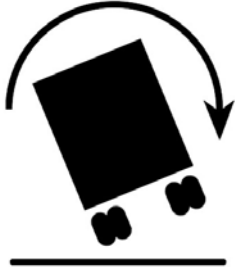
6.9.4 Brake Information (Optional)

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



7.0 OPERATION

CAUTION



- DO NOT allow anyone to operate, service, inspect or otherwise handle this implement until all operators have read and understand all of the instructional materials in this Owner/ Operator's and Parts Manual and have been properly trained in its intended usage.
- Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.
- Do not climb or step on any part of the implement 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

CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

Overloading may cause failure of hitches, axles, tires & structural members which may lead to loss of vehicle control. Do not exceed maximum gross weight.

IMPORTANT

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

The forage box may be equipped with a trailer. Filling the forage box evenly from the front to rear will ensure there is downward force on the tractor hitch which provides traction for the tractor wheels.

NOTES:

- *Heaping material over the sides of the box adds a significant amount of weight to the load.*
- *Maximum Gross Weight is the lesser value between the implement or tires.*
- *DO NOT fill the cross conveyor unloading area with forage to gain extra capacity. Filling the front unloading unit puts unnecessary pressures and strains on the cross conveyor and auger drive.*

MODEL	MAXIMUM GROSS WEIGHT	TOTAL NET WEIGHT (LBS)	CU. FT. CAPACITY**

** Struck capacity, heaped loads significantly increase weight.

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.

7.2 NO ROOF IMPLEMENTS

Drive alongside the loading vehicle. Fill the implement 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.

7.3 FRONT UNLOADING

WARNING

Do not step over the PTO driveline.

Stay well clear of the PTO driveline at all times.

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



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

Never enter the forage box without shutting power “OFF” to the machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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

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.

Always park the forage box and unloading tractor in a straight line. Minimize the unloading angle on the PTO driveline to prevent wearing of universal joints when connected to the tractor output shaft.

Do not approach the forage box from the right side of the machine (left hand unload). Approach the left front area of the forage box, as this is where the control levers are located. Standing in the operator position will not require crossing the PTO driveline at any time during the unloading operation.

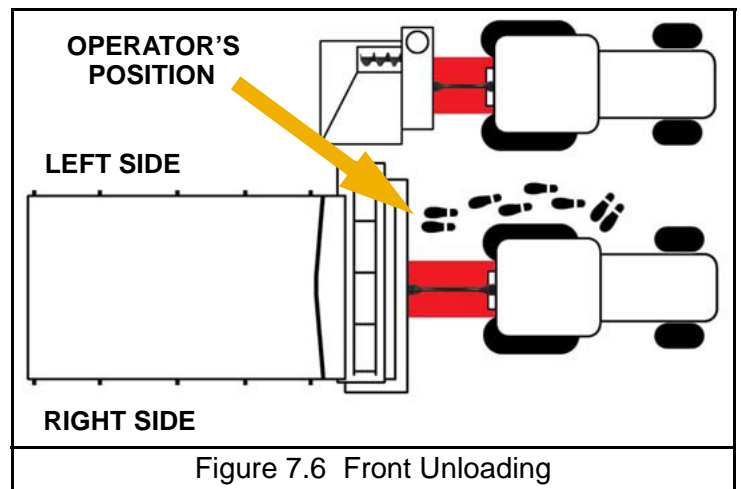
The independent outfeed clutch control lever is lifted when the emergency stop system is activated.

IMPORTANT

The Independent Outfeed Clutch, Variable Speed & Auger Clutch levers must be in their “STOP” positions when engaging and disengaging the PTO drive shaft (or optional hydraulic drive). All forage box control lever selections are to be made while the PTO (or hydraulic) power is in operation. If the control levers are engaged before power is applied, damage may occur to the Variable Speed drive and the Outfeed Clutch drive. Failure to follow correct operating procedures may cause equipment damage and void the manufacturer’s warranty.

If the implement becomes clogged or if any component fails, shutoff all power to the forage box immediately. Move the implement to a safe work area. Repair or replace damaged components before proceeding with unloading of the forage. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

- Enter the tractor / truck, start the engine, release the parking brake.
- Move the forage box into position and park so that the discharge cross conveyor opening is in alignment with the bagger / blower hopper. If equipped with a cross conveyor extension, lower it down before pulling in front of the blower.
- Place all tractor / truck controls in neutral, set the parking brake.
- Remove the PTO drive shaft from the forage box PTO storage bracket and connect it to the tractor output shaft. See section 6.6 HITCHING TO TRACTOR for further information. If using an optional hydraulic drive, couple the hydraulic hoses to the power supply.



- Check that the Independent Outfeed Clutch, Variable Speed & Auger Clutch control levers are in the “Stop” position. See section 6.8.1 Controls for control lever locations.
- Slowly engage the tractor PTO and set the engine speed from 1300 - 1500 RPM, which should give a PTO speed of 300 - 375 RPM.
- Exit the tractor.
- Approach the operator’s position on the front left side of the forage box ONLY (left hand unload) by walking along the left side of the tractor.
- Intermittently engage the Outfeed Clutch lever in the “Run” position and allow the cross conveyor to empty out any accumulation of forage in the front conveyor of the forage box. After the forage has emptied, fully engage the Outfeed Clutch lever into the “Run” position.
- Intermittently engage the Auger Clutch lever in the “Run” position to allow the augers to empty out any accumulation of forage in the augers. After the augers have emptied, fully engage the Auger Clutch lever into the “Run” position.
- Set the Variable Speed lever in a slow speed setting to start unloading. Increase speed of the Variable Speed lever to regulate rate of forage box unloading speed to match capacity of the bagger / blower. Use faster setting for main apron “clean-out” and small or partial loads.

- When unloading is complete, slowly return the Variable Speed lever to the “Stop” position and then the Auger Clutch lever to the “Stop” position. Then, disengage the Outfeed Clutch lever to the “Stop” position.
- Idle down the tractor engine RPM. Disengage the PTO drive shaft and turn the tractor “Off”. When all movement has stopped, disconnect the PTO drive shaft from the tractor and return it to the PTO storage bracket. Secure the PTO drive shaft into the PTO storage bracket with the rubber tie down strap. Shut down the silo filling blower tractor and wait for all motion to stop. If the forage box is equipped with a cross conveyor extension, raise it up to the transport position and securely latch it before traveling on roadways.
- 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.

7.4 REAR UNLOADING

WARNING



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.

CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

Never enter the forage box without shutting power “OFF” to the machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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

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.

If the implement becomes clogged or if any component fails, shutoff all power to the forage box immediately. Move the implement to a safe work area. Repair or replace damaged components before proceeding with unloading of the forage. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

NOTES:

- **When rear unloading, the Variable Speed, Auger Clutch and Outfeed Clutch levers must be in their “Stop” positions.**
- **Unloading is best observed from the operator’s seat.**
- **The front of the forage box is open or is equipped with a plexiglass window to monitor forage level from the operator’s seat.**
- **If the emergency safety stop has been tripped, reset before unloading. See section 5.3 EMERGENCY SAFETY STOP.**

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 unloading 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.

7.5 UNHOOKING THE TRACTOR



Keep hands, legs and feet from under tongue and hitch until jack is locked into place.

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

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. Disconnect the PTO drive shaft from the forage box unloading tractor and return it to the PTO storage bracket. Secure the PTO drive shaft into the PTO storage bracket with the rubber tie down strap.
4. Remove the hydraulic hose ends from the tractor hydraulic ports and secure the hose ends on the front of the box to keep them clean.
5. Remove the light cords and any optional equipment connections.
6. Trailer Mounted Units: 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 drawbar.
7. Remove the hitch pin.
8. Unhook safety chain from tractor drawbar and intermediate support.
9. Slowly drive the tractor away from the implement.

7.6 STANDARD REAR DISCHARGE DOOR GATE DELAY



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

Opening The Door

The rear discharge door opens automatically under load pressure and apron chain movement.

Closing The Door

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 latches to engage the apron chain links to secure the door in the closed position.

Looking through the front of the box, or 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.

8.0 MAINTENANCE

8.1 LUBRICATION



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 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.

NOTES:

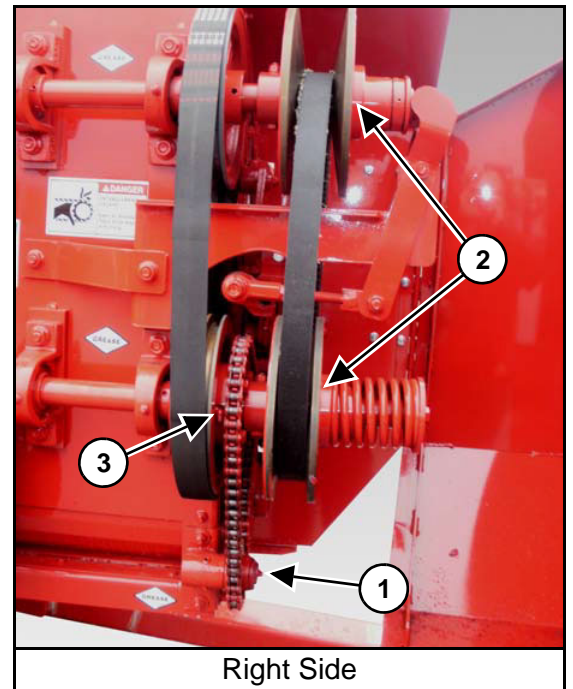
- *Use a grease type that is composed of a high quality lithium complex or better, unless otherwise stated. We recommend using a #1 grade in colder temperatures or a #2 grade in warmer temperatures.*
- *Do not mix synthetic and mineral oils.*
- *It is important that the quantity of oil in the gearboxes does not exceed what is indicated. An excessive quantity of oil in the gearboxes would cause a rise in temperature, and therefore shorten its life.*
- *We recommend using a 4-jaw grease coupling to allow greasing of both imperial and metric style grease fittings.*

8.1.1 Daily Lubrication (Every 10-20 Loads*)

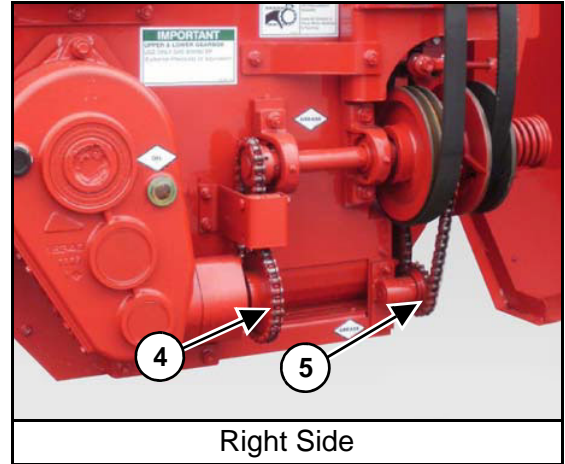
NOTE: *Estimating 5 minutes of run time per load.

- Grease the PTO driveline universal joints. Grease the PTO driveline telescoping shaft and tube (zerk accessible through the plastic guards).
- Grease front idler sprocket (Item 1). Wipe off excess grease from exterior.
- Grease movable clutch sheaves (Item 2). Wipe excess from interior and exterior.
- Grease the idler pulley bearings (Item 3).

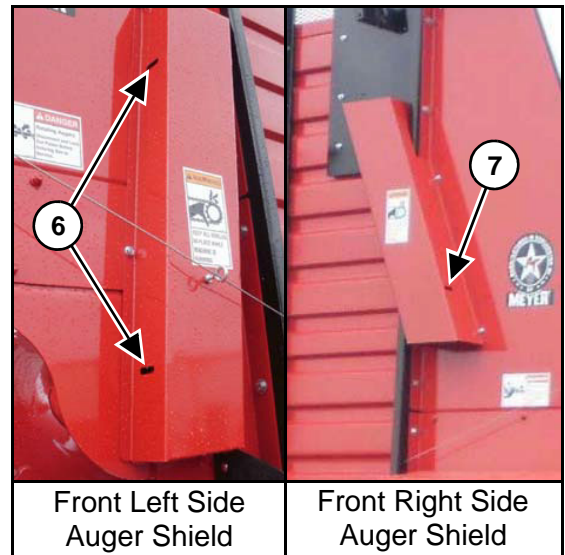
NOTE: Prevent oil and grease from getting on clutch sheave belt drive surfaces.



- Oil roller chain (Item 4) on main apron drive and roller chain (Item 5) on cross conveyor drive.



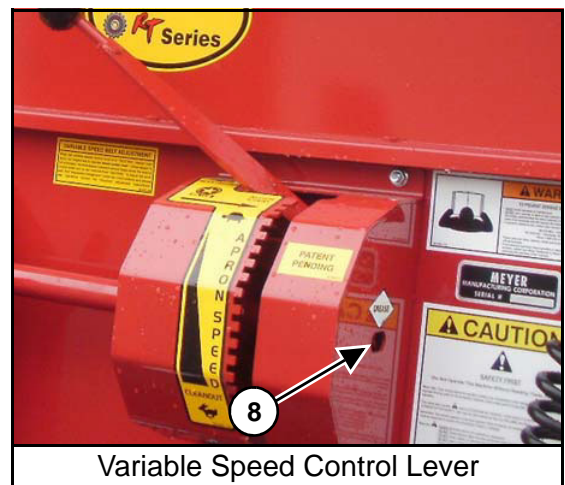
- Oil roller chains on the middle and upper auger drive roller chains (Item 6) through slots provided in the chain shields.
- 4th auger option has an additional roller chain (Item 7) to be oiled through the slots provided in the chain shields.



8.1.2 Monthly Lubrication (Every 100-150 Loads*)

NOTE: *Estimating 5 minutes of run time per load.

- Grease the variable speed control lever (Item 8).



- Grease the six main apron shaft bearings (Item 9) (three front, three rear).

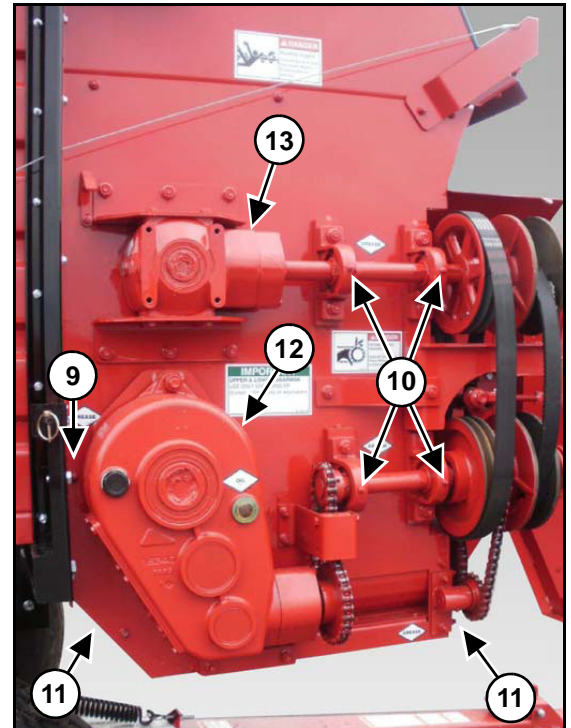
NOTE: Front center bearing grease from zerk in left end frame. Not shown.

- Grease gear cluster shaft bearings (Item 10).
- Grease the four cross conveyor apron shaft bearings (Item 11) (both sides).
- Change oil in the front apron drive gearbox (Item 12) (See 8.1.3.2 Front Apron Drive Gearbox).

NOTE: Change oil in the front apron drive gearbox after the first season of use and yearly thereafter.

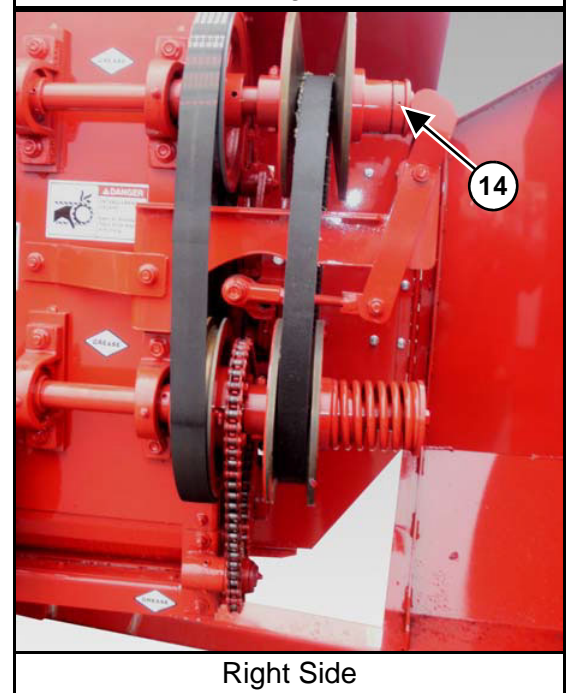
- Change oil in the auger drive upper gearbox (Item 13) (See 8.1.3.1 Auger Drive Upper Gearbox).

NOTE: Change oil in the auger drive gearbox after the first season of use and yearly thereafter.



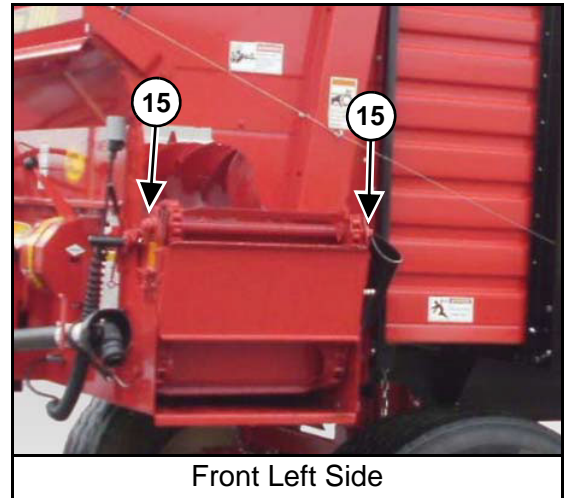
Front Right Side

- Grease thrust bearing (Item 14) using a needle point grease gun, turn the bearing while greasing.

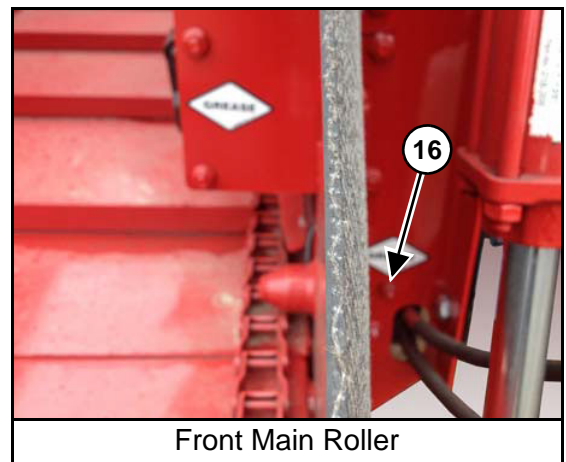


Right Side

- Grease cross conveyor apron shaft bearings (Item 15).



- Grease main apron shaft bearings (Item 16) (one fitting on back side of belt).

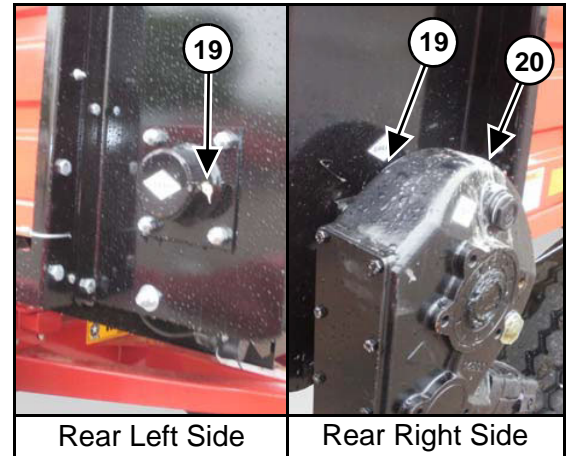


- Oil rear gate latch pivot bolts (Item 17) (under shield).
- Grease main apron shaft bearings (Item 18) (under shield).

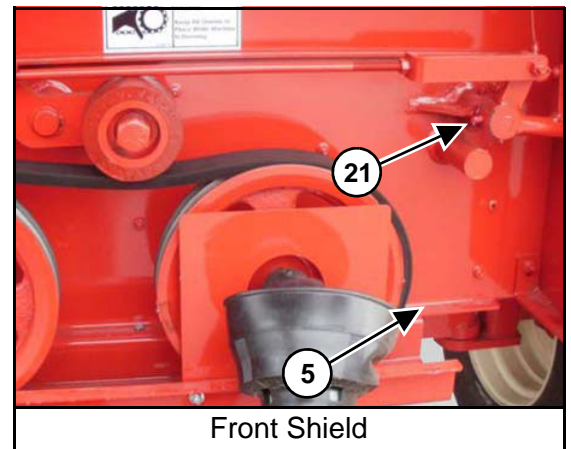


- Grease main apron shaft bearings (Item 19).
- Change oil in the rear apron drive gearbox (Item 20) (See 8.1.3.3 Rear Apron Drive Gearbox).

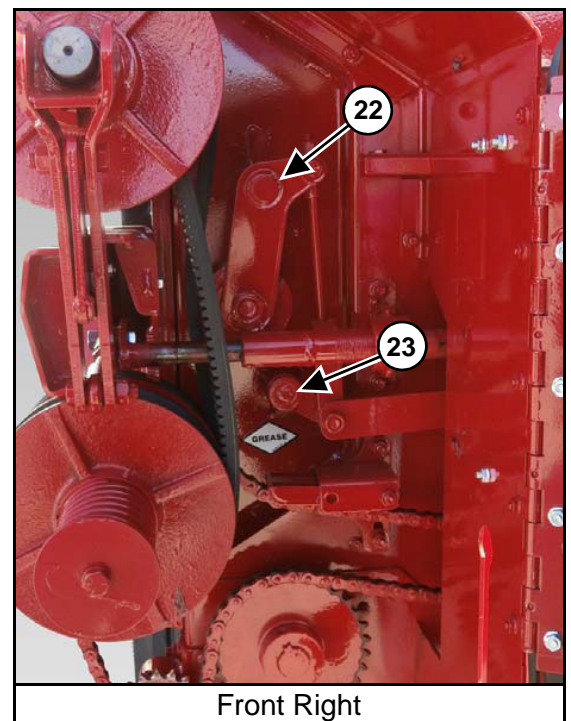
NOTE: Change oil in the gearbox after the first season of use and yearly thereafter.



- Grease independent outfeed clutch handle pivot (Item 21) (under front shield).



- Apply grease to the auger clutch tightener arm (Item 22) and the auger clutch pivot sleeve assembly (Item 23).



8.1.3 Gearbox Oil Change

NOTES:

- *In order to avoid sludge deposits, change the oil while the gearbox is still warm.*
- *For an effective oil change, the gearbox should be flushed with a liquid detergent recommended by the lubricant supplier.*
- *The implement should be level when changing gearbox oil. Do not overfill gearboxes.*

8.1.3.1 Auger Drive Upper Gearbox

Draining

- Place a container of sufficient capacity under the gearbox.
- Drain the auger drive upper gearbox by removing the drain plug (Item 2) at the bottom of the gearbox.
- After the gearbox is completely drained, reinstall the plug.

Filling

- Remove the filler plug (Item 3).
- Using the visual indicator (Item 1) on the auger drive upper gearbox. The oil level should be at the top of the sight glass when parked on level ground.
- See 8.1.3.4 Gearbox Lubrication Specifications for proper oil type and approximate capacity.

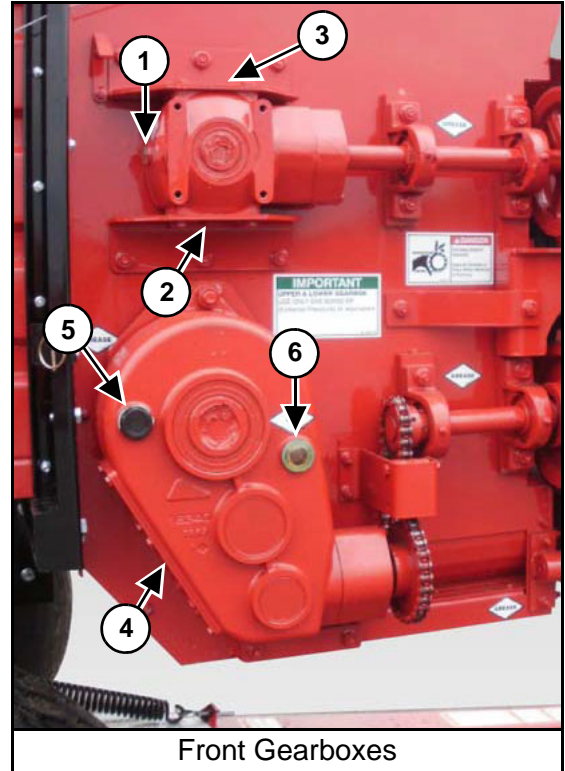
8.1.3.2 Front Apron Drive Gearbox

Draining

- Place a container of sufficient capacity under the gearbox.
- Drain the front apron drive gearbox by removing the side access panel (Item 4).
- After the gearbox is completely drained, reinstall the side access panel.

Filling

- Remove the filler plug (Item 5).
- Using the visual indicator (Item 6) on the auger drive upper gearbox. The oil level should be at the top of the sight glass when parked on level ground.
- See 8.1.3.4 Gearbox Lubrication Specifications for proper oil type and approximate capacity.



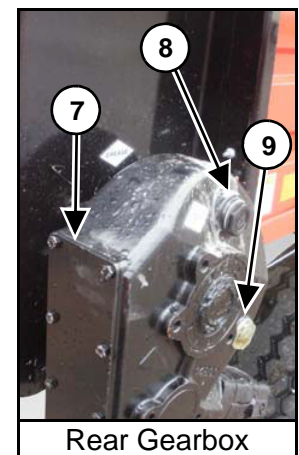
8.1.3.3 Rear Apron Drive Gearbox

Draining

- Place a container of sufficient capacity under the gearbox.
- Drain the front apron drive gearbox by removing the side access panel (Item 7).
- After the gearbox is completely drained, reinstall the side access panel.

Filling

- Remove the filler plug (Item 8).
- Using the visual indicator (Item 9) on the auger drive upper gearbox. The oil level should be at the top of the sight glass when parked on level ground.
- See 8.1.3.4 Gearbox Lubrication Specifications for proper oil type and approximate capacity.



8.1.3.4 Gearbox Lubrication Specifications

NOTE: Lighter oil may be used in temperatures lower than 20° F.

GEARBOX LUBRICATION SPECIFICATIONS			
Part Number	Location	Oil Type	Capacity (Approximate)
19-0201	Rear Apron Gearbox	EP 80-90	3.5 Quarts
19-0207	Auger Gearbox	EP 80-90	1 Quart
19-0208	Front Apron Gearbox (Prior to 2018 Model Year)	EP 80-90	3.75 Quarts
19-0212	Front Apron Gearbox (2018 Model Year & Later)	EP 80-90	3.75 Quarts

8.2 ADJUSTMENTS



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

8.2.1 Front Cross Conveyor (Every 100-150 Loads)

Correct adjustment of the front cross conveyor occurs when 12" of chain, Apron Slat does not touch the Bottom Pan of the cross apron return area at the discharge opening. To tighten the chain, loosen the four bolts securing the slotted bearing bracket at each side of the discharge opening. Tighten the chain by tightening the nut on the adjuster bolt. Adjust both sides equally. Re-tighten the bearing bracket bolts.

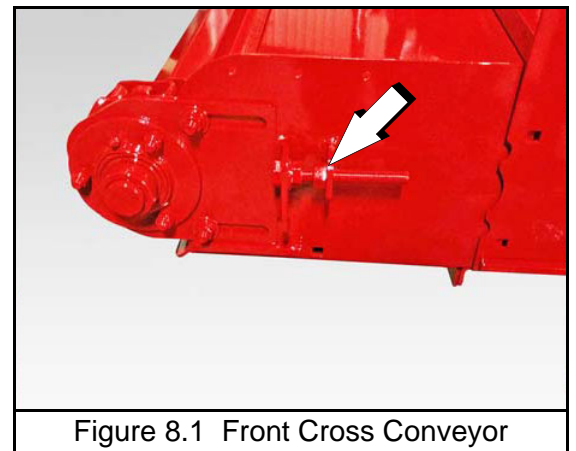


Figure 8.1 Front Cross Conveyor

8.2.2 Main Apron Chains

IMPORTANT

Initial wear in of chain will require adjustment to maintain proper chain tension. Failure to maintain proper chain tension may void warranty.

After unloading the first ten loads from the front and also after unloading the first ten loads from the rear, check the main apron chain tension.

Check chain tension daily for the next five days of operation, and weekly thereafter.

Locate the removable links by inspecting the chain and locating the section of links with cotter pins (Item 1).

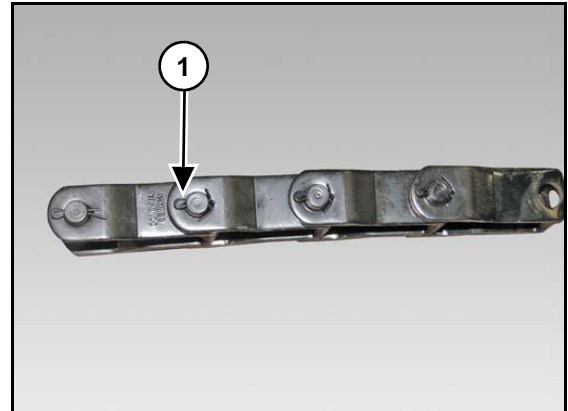


Figure 8.2 Removable Master Links

To tighten the main aprons, tighten the tensioner rod (Item 2) on the spring loaded tensioners. Tighten to 5-1/2" compressed length.

NOTES:

- ***There are three anchor holes on the clevis end of the tensioner rod. Relieve tension and move the clevis adjustment bolt (Item 3) to a hole closer to the spring when adjuster bolt(s) reach maximum travel.***
- ***If adjuster bolt(s) reaches maximum travel, remove equal links from each strand. Removable links are provided in the chain.***

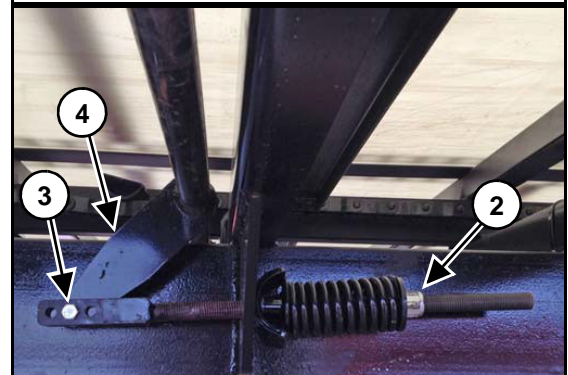


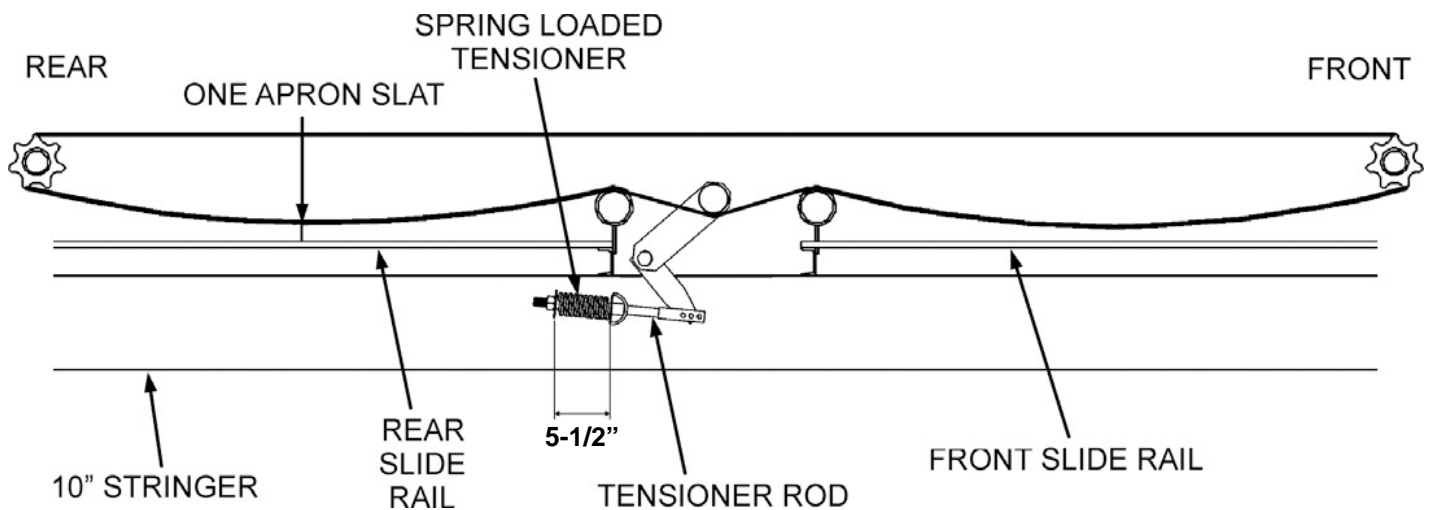
Figure 8.3 Apron Chain Adjustment Bolts

Removable master links are included in each of the four strands for shortening the chain after tightener travel is at its maximum. Remove a link from each of the four strands at the same time to assure proper timing, then re-adjust the clevis adjustment bolt (Item 3) back out, and readjust the spring tension to 5-1/2" compressed length (Item 2).

After repeated regular tightening of the main apron chain assemblies and before the return main apron slats begin to "bottom-out" onto the top of the channel iron of the steel frame stringers, remove equal number of links from each apron chain assembly. Readjust the spring loaded tensioner for **correct** main apron tension.

Adjust the fine adjustment bolt (Item 3) on the pivoting arm (Item 4) tightener as needed to equalize stretch in chain strand pairs of each independent apron assembly.

NOTE: If uneven stretching of the chain is occurring from one side to the other side, adjust the fine adjustment bolt on the pivoting arm tightener as needed to equalize the stretch in the chain strand pairs of each independent apron assembly. The adjustment bolt is on the inside arm of the tightener. Loosen the chain tension. Remove the set screw on the inside arm assembly. Tighten the bolt to take up more slack, loosen the bolt to take up less slack on that side of the chain. Once done, reset the set screw. Tighten the chain as previously stated.



IMPORTANT

Correct apron tension occurs when the spring loaded tensioner measures 5-1/2".

Loosen the tensioner rod (Item 5) on the main apron chain. This will allow easier adjustment of the adjuster bolt. Located on the inner chain strand of each main apron assembly, there is an adjustable, tightening pivot arm with a 1/2" x 1-1/4" adjuster bolt. Turn this 1/2" x 1-1/4" bolt by first loosening two set screws located on the adjustable pivot arm. Tighten or loosen the 1/2" adjuster bolt to make fine adjustment / tightening in the individual chain strands or to equalize stretch in the individual chain strand pairs of each independent main apron assembly. Re-tighten the two set screws and readjust the spring loaded tensioner for correct apron tension.

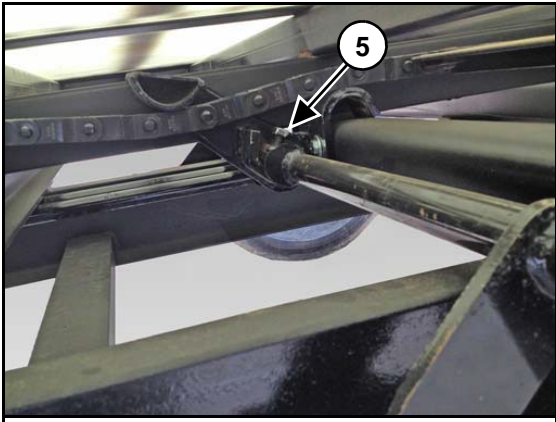


Figure 8.4 Apron Chain Adjustment Bolts

8.3 FASTENER TORQUE SPECIFICATIONS



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

After an initial break in period approximately four months and periodically thereafter, ALL bolts and nuts should be checked to ensure that recommended torque values are being maintained.

See the PB-ADR-B manual recommendations to properly torque axle and hydraulic suspension components.

8.3.1 General Torque Specifications

IMPORTANT

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only and include a + or - 10% variance. Check tightness of fasteners periodically. DO NOT use air powered wrenches.





Head Marking	Grade and Material	Nominal Size Range (inches)
 No Markings	Grade 2 Low or medium carbon steel	1/4" thru 3/4" Over 3/4" thru 1-1/2"
 3 Radial Lines	Grade 5 Medium carbon steel, quenched and tempered	1/4" thru 1" Over 1" thru 1-1/2"
 6 Radial Lines	Grade 8 Medium carbon alloy steel, quenched and tempered	1/4" thru 1-1/2"
 A325	Grade A325 Carbon or Alloy Steel with or without Boron	1/2" thru 1-1/2"
Stainless markings vary. Most stainless is non-magnetic	18-8 Stainless Steel alloy with 17-19% Chromium and 8-13% Nickel	All Sizes thru 1"

Figure 8.1 SAE BOLT GRADE




Head Marking	Class and Material	Nominal Size Range (mm)
 8.8	Class 8.8 Medium carbon steel, quenched and tempered	All Sizes below 16mm 16mm - 72mm
 10.9	Class 10.9 Alloy steel, quenched and tempered	5mm - 100mm
 12.9	Class 12.9 Alloy steel, quenched and tempered	1.6mm - 100mm
Stainless markings vary. Most stainless is non-magnetic. Usually stamped A-2.	A-2 Stainless Steel alloy with 17- 19% chromium and 8-13% nickel	All Sizes thru 20mm

Figure 8.2 METRIC BOLT GRADE

SAE				
	Grade 5, 5.1 & 5.2		Grade 8 & 8.2	
Size (inches)	Lubricated (lb-ft)	Dry (lb-ft)	Lubricated (lb-ft)	Dry (lb-ft)
1/4	7	9	10	12.5
5/16	15	18	21	26
3/8	26	33	36	46
7/16	41	52	58	75
1/2	63	80	90	115
9/16	90	115	130	160
5/8	125	160	160	225
3/4	225	280	310	400
7/8	360	450	500	650
1	540	675	750	975
1-1/8	675	850	1075	1350
1-1/4	950	1200	1500	1950
1-3/8	1250	1550	2000	2550
1-1/2	1650	2100	2650	3350

METRIC								
	Class 4.8		Class 8.8 & 9.8		Class 10.9		Class 12.9	
Size (mm)	Lubricated (lb-ft)	Dry (lb-ft)	Lubricated (lb-ft)	Dry (lb-ft)	Lubricated (lb-ft)	Dry (lb-ft)	Lubricated (lb-ft)	Dry (lb-ft)
M6	3.5	4.5	6.5	8.5	9.5	12	11.5	14.5
M8	8.5	11	16	20	24	30	28	35
M10	17	21	32	40	47	60	55	70
M12	29	37	55	70	80	105	95	120
M14	47	60	88	110	130	165	150	109
M16	73	92	140	175	200	225	240	300
M18	100	125	195	250	275	350	325	410
M20	140	180	275	350	400	500	460	580
M22	190	250	375	475	540	675	625	800
M24	250	310	475	600	675	850	800	1000
M27	360	450	700	875	1000	1250	1150	1500
M30	490	625	950	1200	1350	1700	1600	2000
M33	675	850	1300	1650	1850	2350	2150	2750
M36	850	1075	1650	2100	2350	3000	2750	3500

8.4 CLEAN-OUT PANEL



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

IMPORTANT

Clean out all debris / foreign material from this area to maintain proper cross conveyor chain operation.

Remove the three (3) wing nuts (Item 1) and remove the clean-out panel.

NOTE: One wing nut located behind sprocket (left).

There are two clean-out panels under the unit for cross apron clean out.

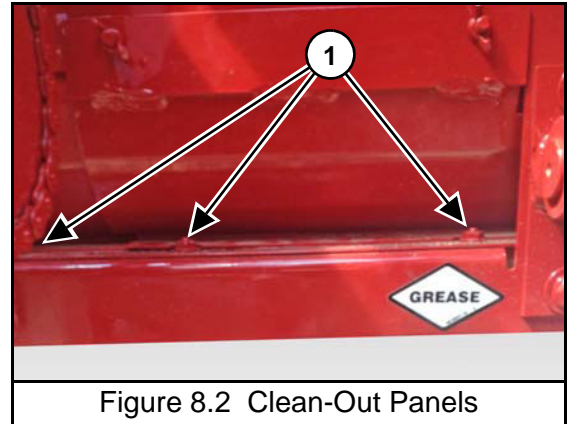


Figure 8.2 Clean-Out Panels

8.5 INDEPENDENT OUTFEED CLUTCH



Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

8.5.1 Independent Outfeed Clutch Belt Replacement

1. Move the Independent Outfeed Clutch control lever to "Stop" (up).
2. Extend the PTO drive shaft out straight and lower the tractor end down to ground level.
3. Unlatch and raise the hinged top, front chain shield assembly.
4. Remove the clutch bottom bracket - "belt pan".
5. Roll off the old Double V-Belt from the two pulleys.
6. Slide off the old belt down the length and over the end of the PTO drive shaft.
7. Install new Double V-Belt onto the two pulleys and check for proper engage, "Run" tension. Adjust as needed.
8. Refasten the clutch bottom bracket - "belt pan" and the PTO input shaft cover.
9. Lower and latch close the hinged top, front chain shield assembly.
10. PTO drive shaft from ground level and return it to the PTO storage bracket.



Figure 8.3 Independent Outfeed Clutch

8.5.2 Independent Outfeed Clutch Adjustment

Lengthen or shorten linkage bolt with jam nut to create moderate tension on the Double V-Belt when engaging the Independent Outfeed Clutch control lever into the "Run" position.

8.6 VARIABLE SPEED CONTROL



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

8.6.1 Variable Speed Belt Replacement

1. Shift the Variable Speed control lever to “Stop” (up).
2. Shift the Auger Clutch control lever to “Stop” (up).
3. Move the Independent Outfeed Clutch control lever to “Stop” (up).
4. Lower the fold down cross conveyor extension (if equipped).
5. Open cluster shield plastic door.
6. Roll the old belt counter-clockwise off of the top sheaves starting at the 2:00 position.
7. Install the new belt around the lower sheaves and then roll clockwise onto the top sheaves starting at the 10:00 position.
8. Close and securely fasten the cluster shield plastic door.
9. Raise and latch the fold down cross conveyor extension (if equipped).

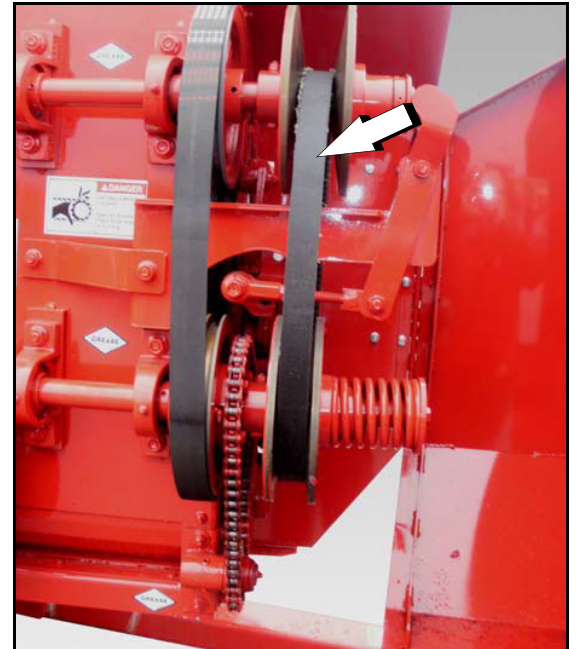


Figure 8.4 Variable Speed Belt

8.6.2 Variable Speed Control Adjustment

When the Variable Speed control lever is in “Stop”, observe that the main aprons are not operating when under load (when implement is full of forage). Variable Speed operation should begin when the lever is moved down one or two notches from “Stop”.

1. Set the Variable Speed control lever into “Stop” position.
2. While the box is running in reverse, observe the top shaft. When properly adjusted, the belt will not be driven when loaded.
3. To Adjust: Loosen the jam nut (Item 1) and turn the threaded rod:
 - A.Lengthen or unthread the eyelet to set the base of the sheaves tight together.
 - B.Shorten or thread the eyelet to set the base of the sheaves further apart.
4. Tighten the jam nut.

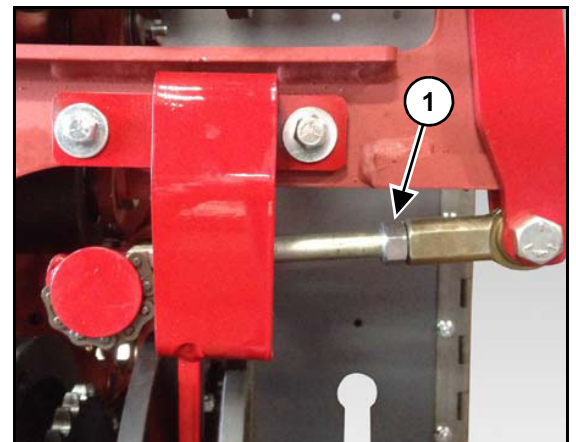


Figure 8.5 Variable Speed Belt

NOTE: Once the sheaves have been fully adjusted and the clean out has slowed to a slower than desired speed, belt replacement is necessary.

8.7 AUGER CLUTCH



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

8.7.1 Auger Clutch Belt Replacement

1. Move the Auger Clutch control lever to “Stop” (up).
2. Open the cluster shield.
3. Remove the PTO drive chain (Item 1) and the Variable Speed adjustment eye (Item 2).
4. Loosen the Auger Clutch adjustment (Item 3).
5. Roll off the old Double V-Belt from the two pulleys (Item 4).
6. Install new Double V-Belt onto the two pulleys and check for proper engage, “Run” tension. Adjust the tightener needed.
7. Reinstall the Variable Speed adjustment eye, and reinstall the drive chain.
8. Re-tension the Auger Clutch adjustment. (See 8.7.2 Auger Clutch Adjustment.)
9. Close and latch the cluster shield.

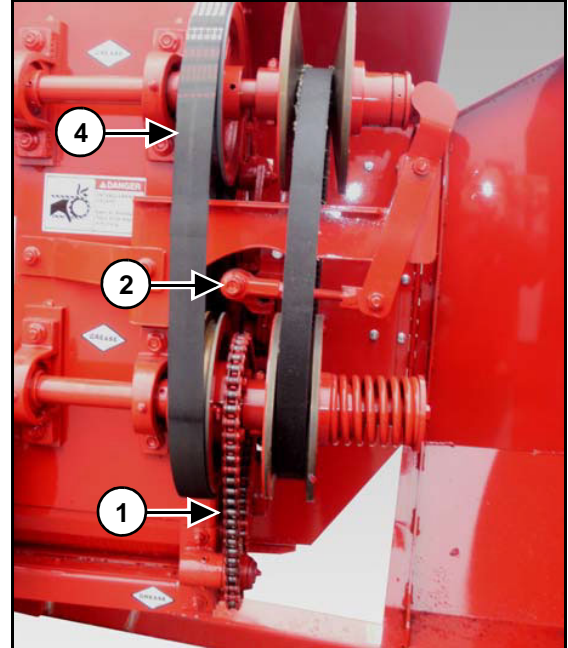


Figure 8.6 Variable Speed Belt

8.7.2 Auger Clutch Adjustment

Lengthen or shorten the linkage bolt with lock nut to create moderate tension on the Double V-Belt when engaging the Auger Clutch control lever into the “Run” position. Adjustment must allow the belt to idle when not engaged.

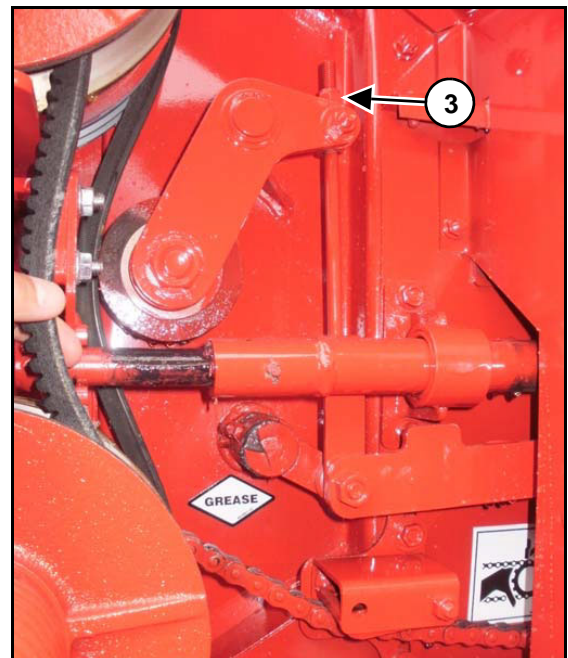


Figure 8.7 Variable Speed Belt

8.8 STORING THE IMPLEMENT



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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.)
- Thoroughly clean the equipment inside & out.
 - Clean out all materials built-up around the augers.
 - Clean the front cross conveyor on the top pan and in the lower pan (chain return).
 - Clean out the “clean-out” panel.
 - Clean the rear gate shield.
 - Clean the inside of the drive shields.
- Lubricate the equipment. (See 8.1 LUBRICATION.)
- Apply oil to the cross conveyor and main 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.)
- 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.

8.9 RETURN THE IMPLEMENT 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 truck (if required) and operate the truck and equipment, verify all functions operate correctly.
- Connect to a tractor (if required) and operate equipment, verify all functions operate correctly.
- Check for leaks. Repair as needed.
- Verify that all adjustment have been made.



9.0 REPAIR PARTS

WARNING

Before servicing this equipment, ensure 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 axles, o-beams, spindles, tires, hitches and 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.

CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.4 SHUTOFF & LOCKOUT POWER.

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.

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.

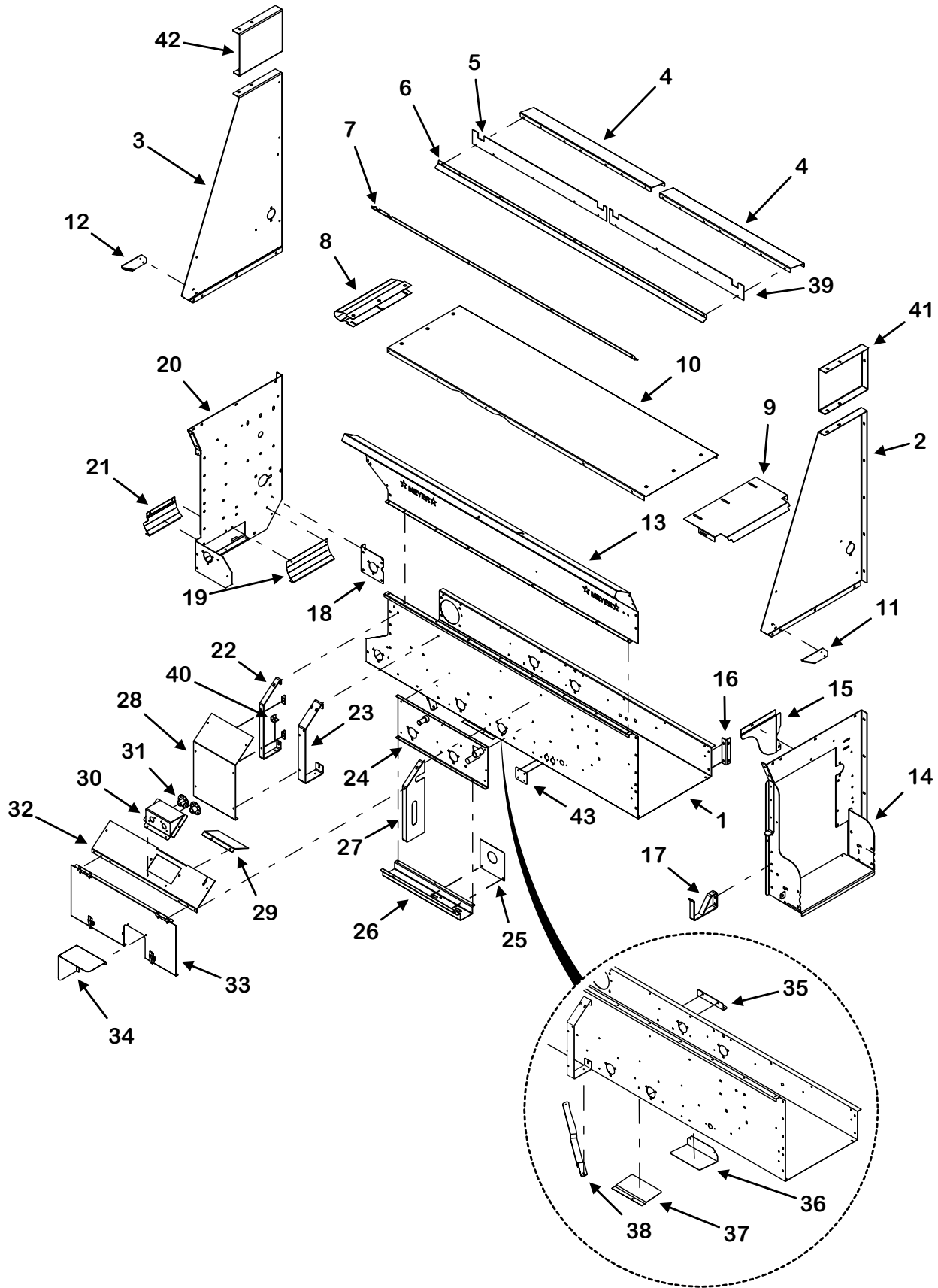
IMPORTANT

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. Instruction sheets may be provided with the 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.

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

LEFT DISCHARGE UNIT FRAME

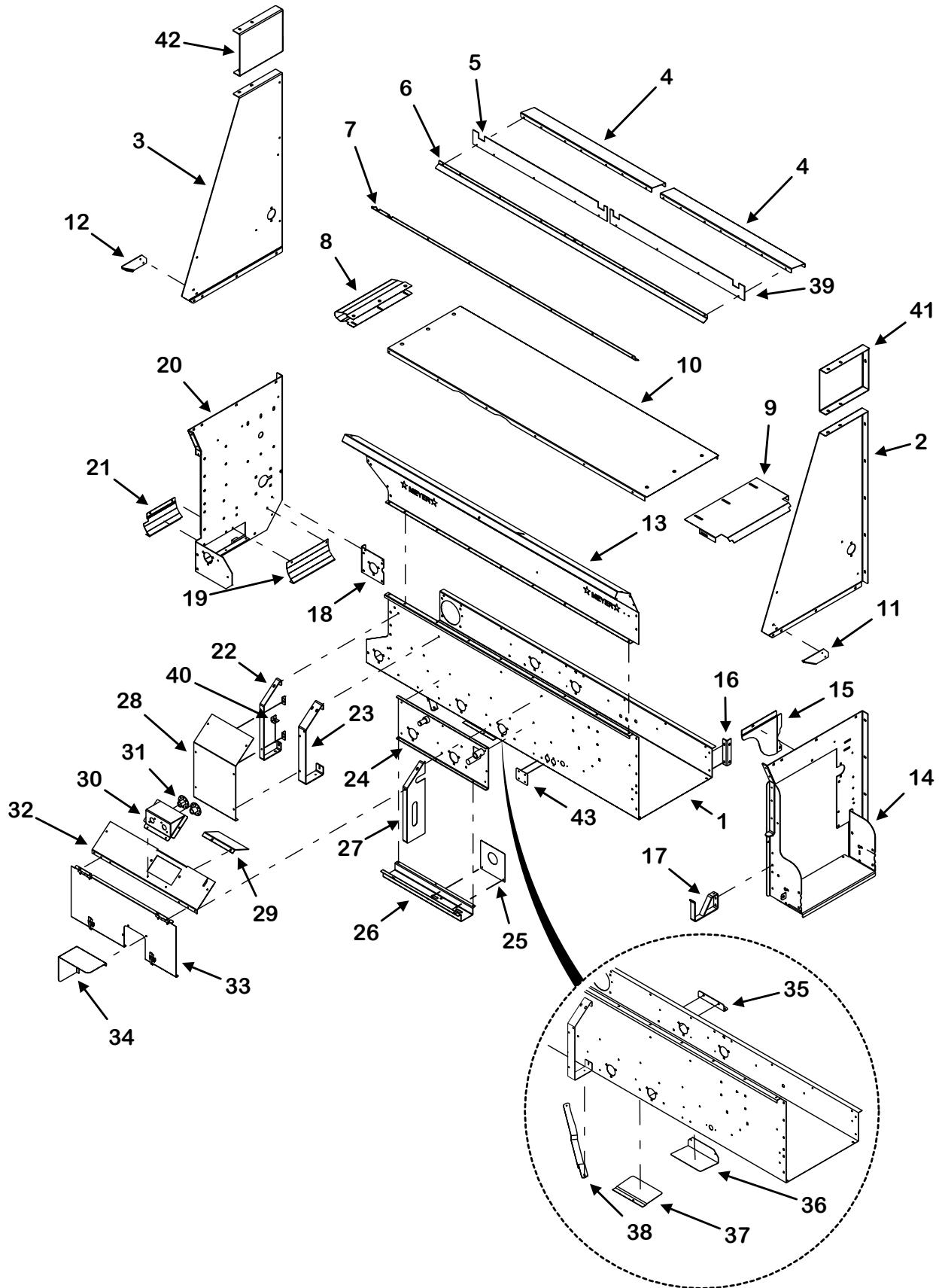
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	27-0300-AS	1	Apron Pan
2	27-0304-AS	1	Left Upper Auger Panel Assembly (Prior to SN 15R2218)
	27-0313	1	Left Upper Auger Panel Assembly (SN 15R2218 & Later)
3	27-0305-AS	1	Right Upper Auger Panel Assembly (Prior to SN 15R2218)
	27-0314	1	Right Upper Auger Panel Assembly (SN 15R2218 & Later)
4	27-0308	2	Reverse Chain Guide Panel
5	49-0301	1	Rear Apron Pan Belt Right (Prior to 2022 Model Year)
	49-0440	1	Rear Apron Pan Belt Right (2022 Model Year & Later)
6	25-0852	1	Cross Conveyor Hold Down Rear
7	25-0851	1	Cross Conveyor Hold Down Front
8	25-0531	1	Cross Conveyor Chain Idler Shaft Cap
9	24-0304	1	Left Cross Conveyor Shaft Shield
10	27-0301	1	Top Apron Pan
	49-0229	1	Feed Box Poly Liner
11	25-0516	1	Spillage Guard Gusset Left
12	25-0515	1	Spillage Guard Gusset Right
13	27-0303	1	Upper Spillage Guard Panel Assembly
14	39-0301	1	Left End Frame Welded Assembly
15	24-0307	1	Auger Shield
16	25-0725	1	Left Apron Pan Bracket
17	25-0006	1	PTO Hanger Bracket
18	See Page 62	1	Right Apron Pan Support Bracket
19	27-0310	1	Conveyor Chain Return
20	39-0300	1	Right End Frame Welded Assembly
21	27-0315	1	Clean-Out Door Weldment
22	24-0342	1	Front Shield Bracket Right
23	24-0340	1	Front Shield Bracket Center
24	See Page 80	1	Independent Outfeed Clutch Main Clutch Plate Weldment
25	24-0311	1	Clutch PTO Shaft Cover
26	25-0707	1	Independent Outfeed Clutch Bottom Bracket
27	24-0300	1	Front Shield End Cap Assembly
28	24-0302	1	Right Front Shield Assembly
29	24-0341	1	Drip Pan
30	24-0338	1	Hose Mount Weldment
31	25-1107	2	Coupler Mount Weldment
32	24-0338-1-AS	1	Hose Mount Weldment
33	24-0339	1	Front Shield Assembly With Door Latches
	32-0001-1	2	Door Latch
	24-0339-2	2	Front Shield Hinge
34	24-0310	1	PTO Shield Left Hand Assembly
35	25-0767	1	Rear Unit Hose Clamp Mounting Bracket
36	24-0315	1	Cross Conveyor Access Cover Rear

LEFT DISCHARGE UNIT FRAME (CONT'D)

LEFT HAND DISCHARGE

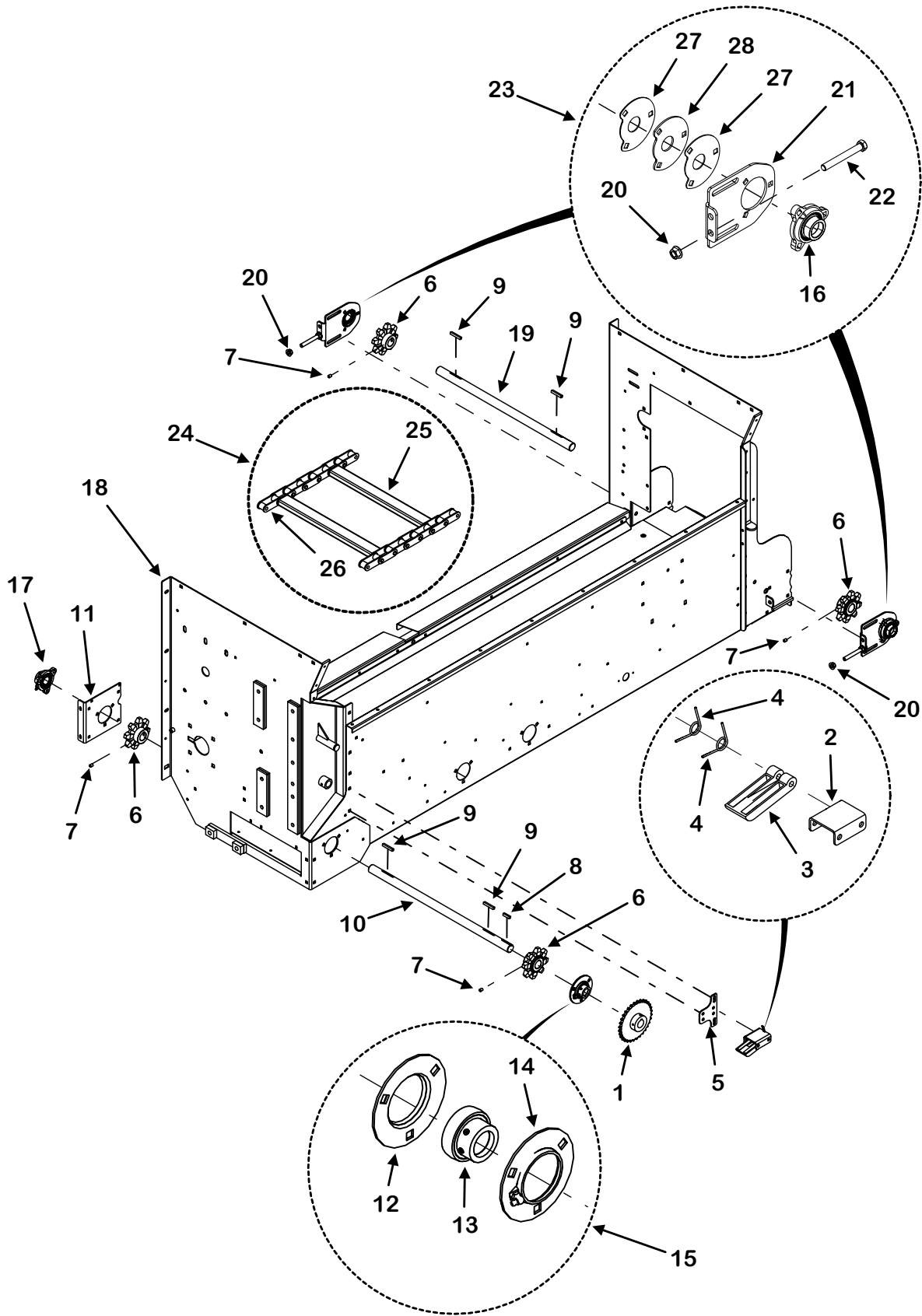


KEY	PART NUMBER	QTY	DESCRIPTION
37	24-0314	1	Cross Conveyor Access Cover Front
38	25-0746	1	Hose Support
39	49-0300	1	Rear Apron Pan Belt Left (Prior to 2022 Model Year)
	49-0439	1	Rear Apron Pan Belt Left (2022 Model Year & Later)
40	25-0711	3	Front Shield Mount Inner Bracket
41	27-0306	1	Left Auger Extension Plate (High Side Box)
42	27-0307	1	Right Auger Extension Plate (High Side Box)
43	24-0363	1	Hydraulic Extension Cover Plate

LEFT HAND DISCHARGE

LEFT DISCHARGE CROSS CONVEYOR

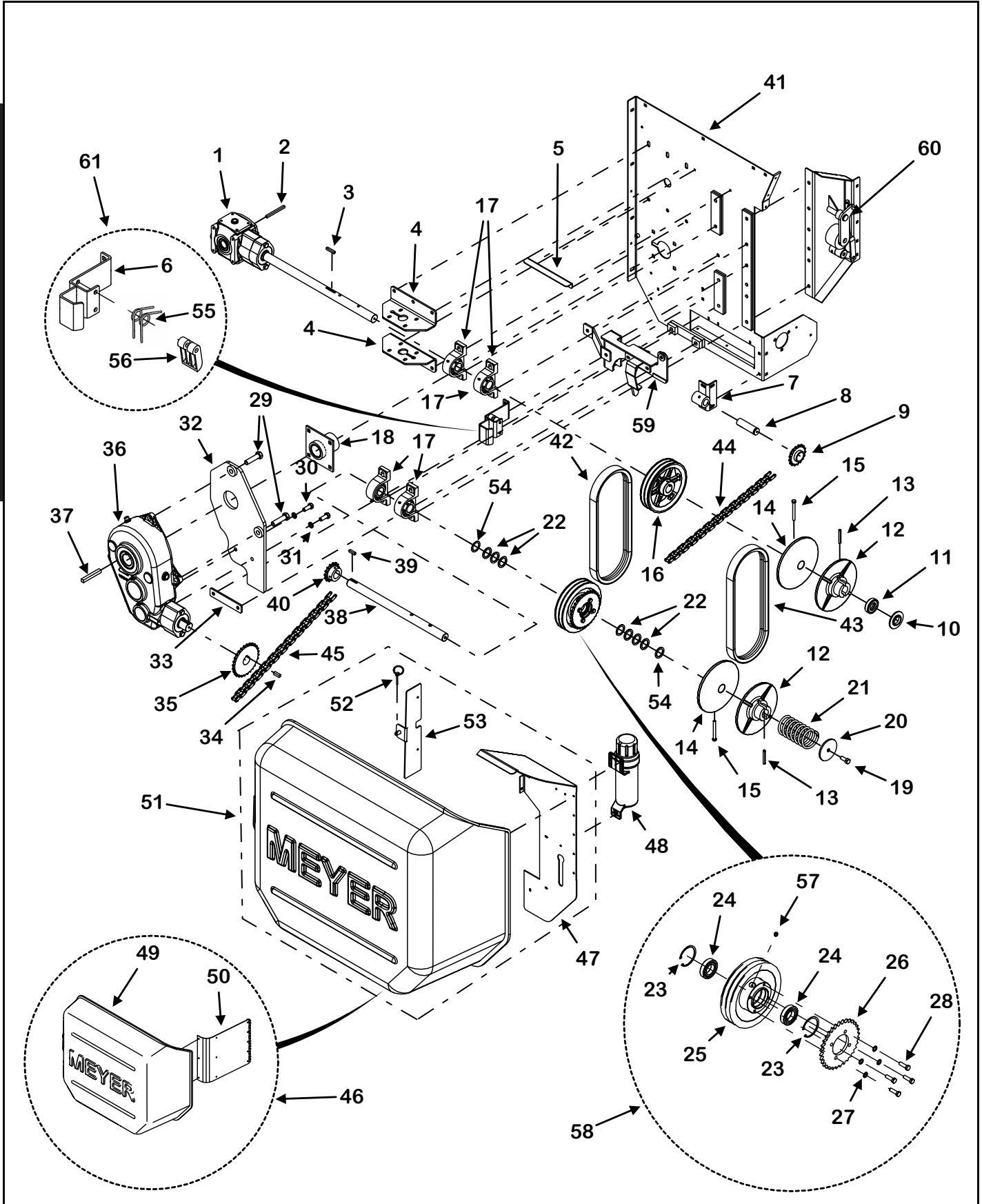
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	110-50B32-1.25-1	1	50B32 1-1/4" Bore, 5/16" Keyway Sprocket With Two 5/16" Setscrews
2	25-0047	1	Auger Chain Tightener Bracket
3	41-0001	1	5" Nylon Slide Chain Tightener Paddle
4	29-0002	2	Torsion Spring Chain Tightener Spring
5	25-0709	1	Independent Outfeed Clutch Chain Tightener Mount Bracket
6	110-662B10-1.25-2	4	10 Tooth 1.664" Pitch 662 Sprocket (Prior to SN 15R2207)
	110-662B8-1.25-1	4	8 Tooth 1.664" Pitch 662 Sprocket (SN 15R2207 & Later)
7	827-3816-.5	4	3/8"-16 x 1/2" Set Screw Knurled Point
8	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened
9	135-3131-2-1	4	5/16" x 5/16" x 2" Square Key
10	23-0309	1	Right Cross Conveyor Drive Shaft
11	25-0724	1	Right Apron Pan Support Bracket
12	14-0312-1	1	1-1/4" Re-Lube Plain Round Flange
13	14-0073	1	1-1/4" Greasable Bearing Insert With Eccentric Lock
14	14-0313-1	1	1-1/4" Re-Lube Plain Flange, 90 Degree Threaded Zerk
15	14-0327	1	1-1/4" Bearing Assembly, 3-Hole Re-Lube RD Flanges, 90 Degree Zerk
16	14-0071	2	1-1/4" Ductile Square Hole Flange Bearing
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)
	RT-CC-B-UP-1	2	Cross Conveyor Bearing Update Kit (SN 16R2315 Through SN 23R2301)
17	14-0071	1	1-1/4" Ductile Square Hole Flange Bearing
18	See Page 58	1	Left Discharge Unit Frame
19	23-0303	1	Left Cross Conveyor Idler Shaft
20	810-5013-Z	4	1/2" Spin Lock Nut
21	25-0712	2	Tightener Bearing Bracket Assembly (Includes Key #s 20 & 22)
22	830-5013-4Z	2	1/2"-13 x 4" Tap Bolt Grade 5 Fully Threaded
23	14-0328	2	Tightener Bearing Assembly
24	11-0281-1-D	1	Complete Pintle Chain Assembly (Prior to SN 15R2207)
	11-0286-1-D	1	Complete Pintle Chain Assembly (SN 15R2207 & Later)
	11-0281-D	1	1' Extension Complete Pintle Chain Assembly (Additional Lengths See Page 162) (Prior to SN 15R2207)
	11-0286-D	1	1' Extension Complete Pintle Chain Assembly (Additional Lengths See Page 162) (SN 15R2207 & Later)
25	11-0281-2-1	AR	Cross Apron Slat With Attachments
26	11-0006-1	AR	Link, Pintle Chain (With Two Pins & Cotter Pins)
27	14-0317	4	Bearing Seal Plate
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)
28	14-0316	2	Bearing Plastic Seal
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)

LEFT DISCHARGE VARIABLE SPEED CLUSTER DRIVE

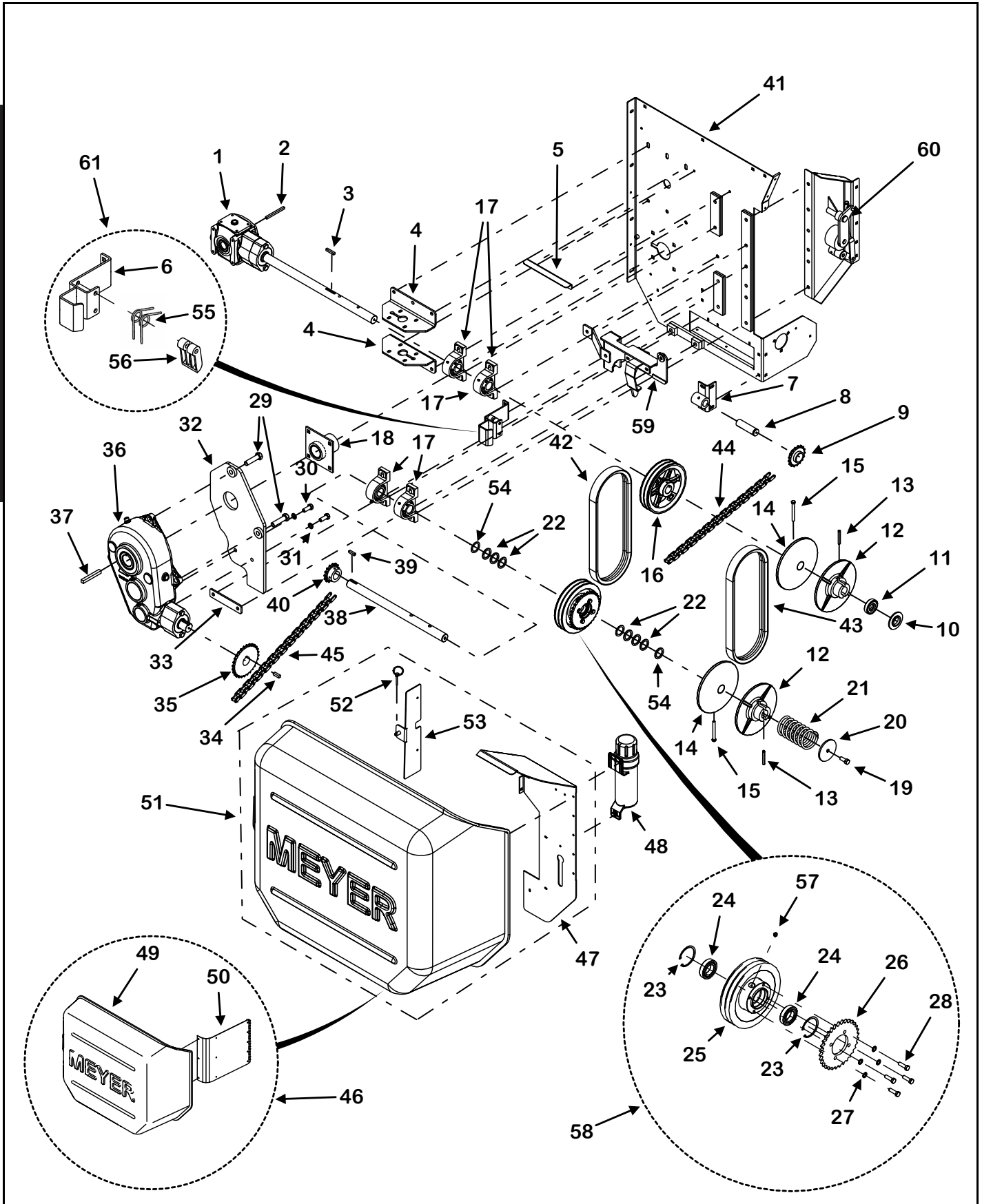
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 150	1	3.1:1 Berma Next Generation Auger Gearbox 1-1/4" Bore, 5/16" Keyway
2	135-3131-4-1	1	5/16" x 5/16" x 4" Square Key
3	135-3131-1.75-1	1	5/16" x 5/16" x 1-3/4" Square Key
4	25-0715	2	Gearbox Mount Bracket
5	25-0855	1	Plastic Shield Top Support Bracket
6	25-0856	1	Chain Tightener Bracket Weldment
7	25-0160	1	Front Idler Bracket Assembly Less Shaft
8	23-0044	1	Front Chain Idler Shaft 1-1/8" x 4"
9	10-0061	1	Idler Sprocket With Needle Bearing Assembly
10	33-0300	1	Thrust Bearing Washer 1.390" ID x 3" OD x 0.375"
11	14-0302	1	1-3/8" Thrust Bearing Shielded
12	12-0037	2	Variable Sheave Half Sliding
13	38-0019	2	3/8" x 2-1/2" Long Coiled Spring Pin
14	12-0038	2	Variable Sheave Half Fixed
15	881-3816-3.5Z	2	3/8"-16 x 3-1/2" Hex Head Cap Screw Grade 8
16	12-0029	1	8.75" Double Pulley, 1-3/8" Bore, 5/16" Keyway
17	914-3801	4	1-3/8" Pillow Block Bearing
18	14-0309	1	Front Apron Bearing Welded Assembly
19	851-5013-1.25Z	1	1/2"-13 x 1-1/4" Grade 5 Machine Bolt
20	33-0304	1	Variable Speed Spring Washer Weldment
21	29-0027	1	Next Generation Variable Speed Spring
22	808-1.38-1.87-10	7	1.38" ID x 1.87" OD x 0.135" Machine Bushing
23	33-0302	2	2-1/2" Internal Snap Ring
24	14-0305	2	1-3/8" DRL Shield Steel Bearing 2-1/2" OD
25	12-0036-1	1	Idler Pulley
26	110-50A32-2.75-1	1	50A32 Sprocket 2.752" Bore
27	806-0038-Z	4	3/8" Internal Tooth Lock Washer
28	851-3816-1.25Z	4	3/8"-16 x 1-1/4" Machine Bolt
29	851-M18-2.5-70-Z	2	M18-2.5 x 70MM Metric Hex Head Machine Bolt
30	851-M14-2.0-35-Z	2	M14-2.0 x 35MM Metric Hex Head Machine Bolt
31	822-M14-Z	2	M14 Split Lock Washer
32	25-0781	1	Torque Arm Weldment
33	39-0300-12	1	Torque Arm Retainer
34	35-0006	1	3/8" x 3/8" x 1-1/4" Square Key (Prior to 2018 Model Year)
35	See Page 74	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway With Two 3/8" Setscrews (Prior to 2018 Model Year)
	See Page 74	1	Clutch Sprocket (2018 Model Year & Later)
	See Page 74	1	Bronze Bearing (2018 Model Year & Later)
36	See Page 152	1	31.4:1 Berma Next Generation Apron Gearbox 2" Bore (2018 Model Year & Later)
	See Page 154	1	31.4:1 Berma Next Generation Apron Gearbox 2" Bore (2018 Model Year & Later)

LEFT DISCHARGE VARIABLE SPEED CLUSTER DRIVE (CONT'D)

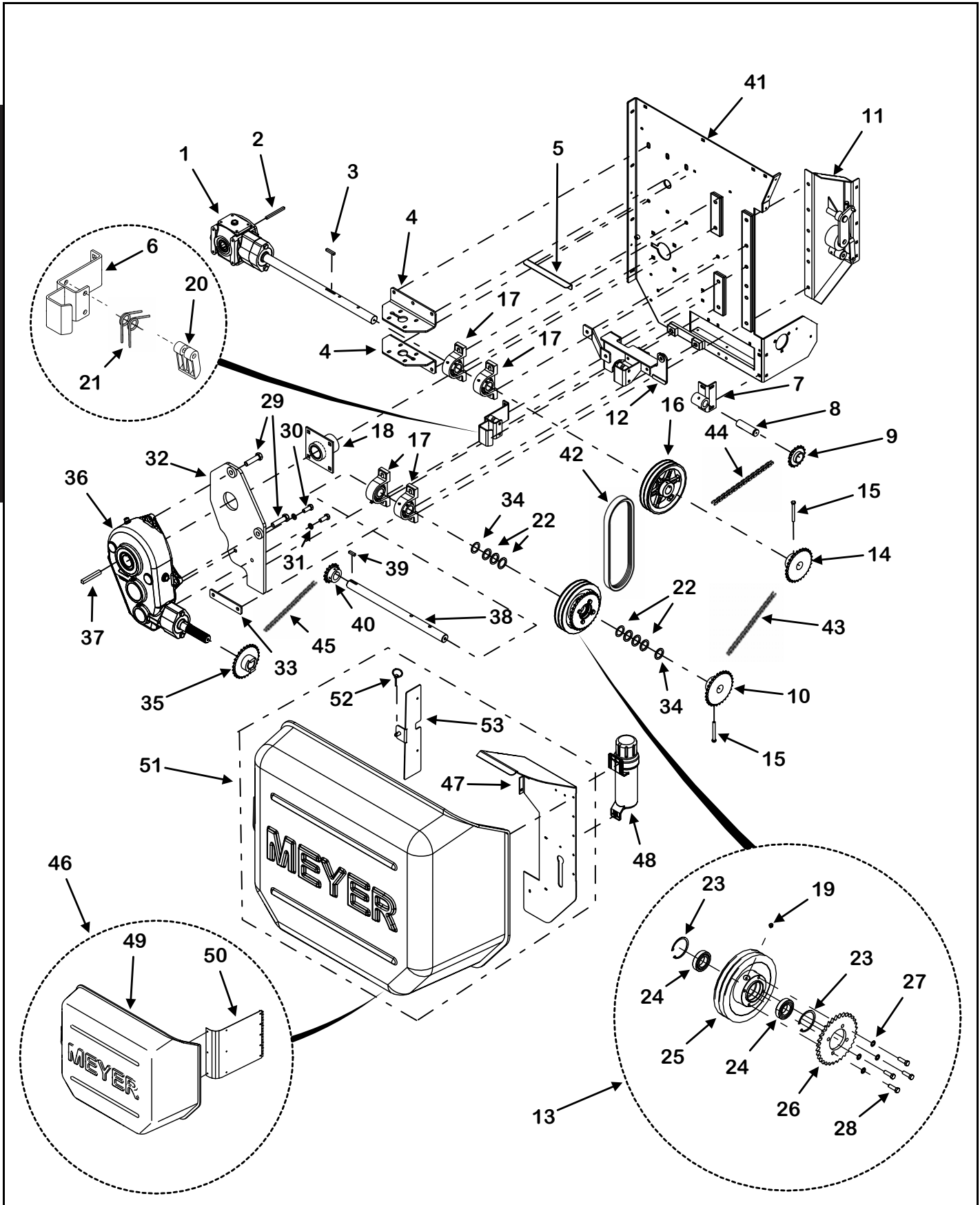
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
37	See Page 86	1	1/2" x 1/2" x 4" Square Machine Key
38	23-0301	1	Idler Shaft
39	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened Key
40	110-50B15-1.38-1	1	50B15 1-3/8" Bore, 5/16" Keyway Sprocket, With Two 5/16" Setscrews
41	See Page 58	1	Right Hand End Frame
42	49-0175	1	Double V-Belt
43	49-0314	1	Variable Speed Belt
44	111-0050-155	1	#50-155 Link Roller Chain Including Connector & Offset
45	11-0003	1	#50-47 Link Roller Chain Including Connector & Offset
46	24-0350	1	Plastic Shield Assembly With Hinge & Support Piece Left Hand Discharge
47	25-0710	1	Shield Mount Plate
48	33-0060	1	Manual Holder With Drilled Vent Hole
49	24-0350-1	1	Gearbox Plastic Shield Left Hand Discharge
50	24-0350-3	1	Plastic Shield Support Piece With Hinge
	24-0112-2	1	Plastic Cluster Door Hinge
51	24-0350-K	1	Plastic Shield Kit With Mount, Support Bracket With Hinge, & Filler Bracket
52	823-0003	1	Lynch Pin
53	25-0758	1	Gearbox Shield Filler Bracket
54	808-1.38-1.87-16	2	1.38" ID x 1.87" OD x 0.060" Machine Bushing
55	29-0002	2	Torsion Spring Chain Tightener Spring
56	41-0002	1	3" Nylon Slide Chain Tightener Paddle
57	30-0003	1	1/4"-28 45° Grease Fitting
58	12-0036	1	Idler Pulley Assembly Complete With Bearings, Sprocket & Fasteners
59	See Page 72	1	Variable Speed Control Arm Mount Bracket Weldment
60	See Page 72	1	Independent Outfeed Clutch Tightener Arm Weldment
61	RT-FCT-RT350	1	Front Chain Tightener RT350 Kit

LEFT DISCHARGE SINGLE SPEED CLUSTER DRIVE

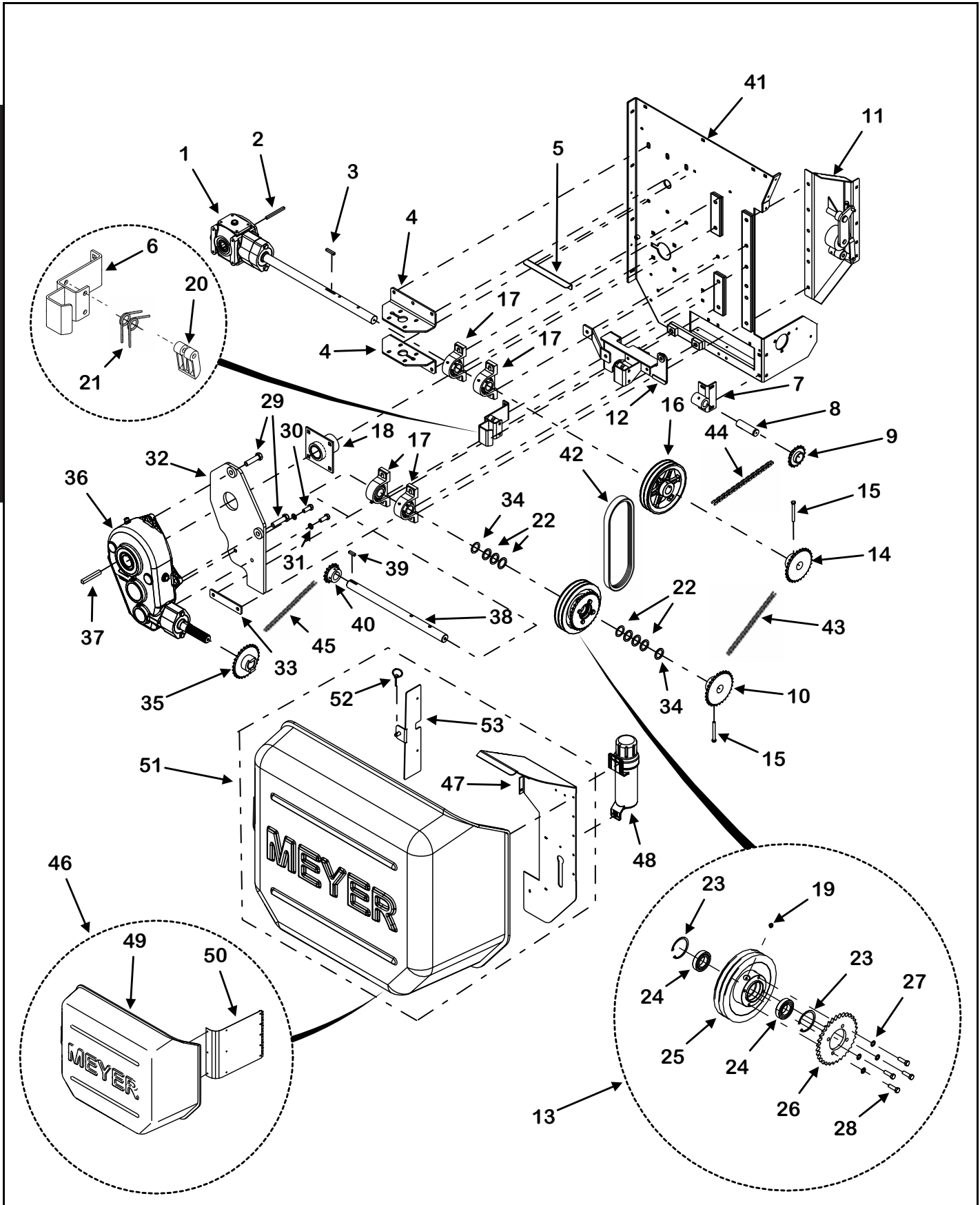
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 150	1	3.1:1 Berma Next Generation Auger Gearbox 1-1/4" Bore, 5/16" Keyway
2	135-3131-4-1	1	5/16" x 5/16" x 4" Square Key
3	135-3131-1.75-1	1	5/16" x 5/16" x 1-3/4" Square Key
4	25-0715	2	Gearbox Mount Bracket
5	25-0855	1	Plastic Shield Top Support Bracket
6	25-0856	1	Chain Tightener Bracket Weldment
7	25-0160	1	Front Idler Bracket Assembly Less Shaft
8	23-0044	1	Front Chain Idler Shaft 1-1/8" x 4"
9	10-0061	1	Idler Sprocket With Needle Bearing Assembly
10	110-50B29-1.38-1	1	50B29 1-3/8" Bore Sprocket
11	See Page 76	1	Independent Outfeed Clutch Tightener Arm Weldment
12	See Page 78	1	Control Arm Mount Bracket Weldment
13	12-0036	1	Idler Pulley Assembly Complete With Bearings, Sprocket & Fasteners
14	110-50B28-1.38-2	1	50B28 1-3/8" Bore Sprocket
15	881-3816-3.5Z	2	3/8"-16 x 3-1/2" Hex Head Cap Screw Grade 8
16	12-0029	1	8-3/4" Double Sheave, 1-3/8" Bore, 5/16" Keyway
17	914-3801	4	1-3/8" Pillow Block Bearing
18	14-0309	1	Front Apron Bearing Welded Assembly
19	30-0003	1	1/4"-28 45° Grease Fitting
20	41-0002	1	3" Nylon Slide Chain Tightener Paddle
21	29-0002	2	Torsion Spring Chain Tightener Spring
22	808-1.38-1.87-10	7	1.38" ID x 1.87" OD x .135" Machine Bushing
23	33-0302	2	2-1/2" Internal Snap Ring
24	14-0305	2	1-3/8" DRL Shield Steel Bearing 2-1/2" OD
25	12-0036	1	Idler Pulley Assembly Complete With Bearings, Sprocket & Fastener
	30-0003	1	1/4"-28 45° Grease Fitting
26	110-50A32-2.75-1	1	50A32 Sprocket 2.752" Bore
27	806-0038-Z	4	3/8" Internal Tooth Lock Washer
28	851-3816-1.25Z	4	3/8"-16 x 1-1/4" Grade 8 Machine Bolt
29	851-M18-2.5-70-Z	2	M18-2.5 x 70MM Metric Hex Head Machine Bolt
30	851-M14-2.0-35-Z	2	M14-2.0 x 35MM Metric Hex Head Machine Bolt
31	822-M14-Z	2	M14 Split Lock Washer
32	25-0781	2	Torque Arm Weldment
33	39-0300-12	2	Torque Arm Retainer
34	808-1.38-1.87-16	2	1.38" ID x 1.87" OD x .060" Machine Bushing
35	See Page 78	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway With Two 3/8" Setscrews (Prior to 2018 Model Year)
	35-0006	1	3/8" x 3/8" x 1-1/4" Square Key (Prior to 2018 Model Year)
	See Page 78	1	Clutch Sprocket (2018 Model Year & Later)
	See Page 78	1	Bronze Bearing (2018 Model Year & Later)

LEFT DISCHARGE SINGLE SPEED CLUSTER DRIVE (CONT'D)

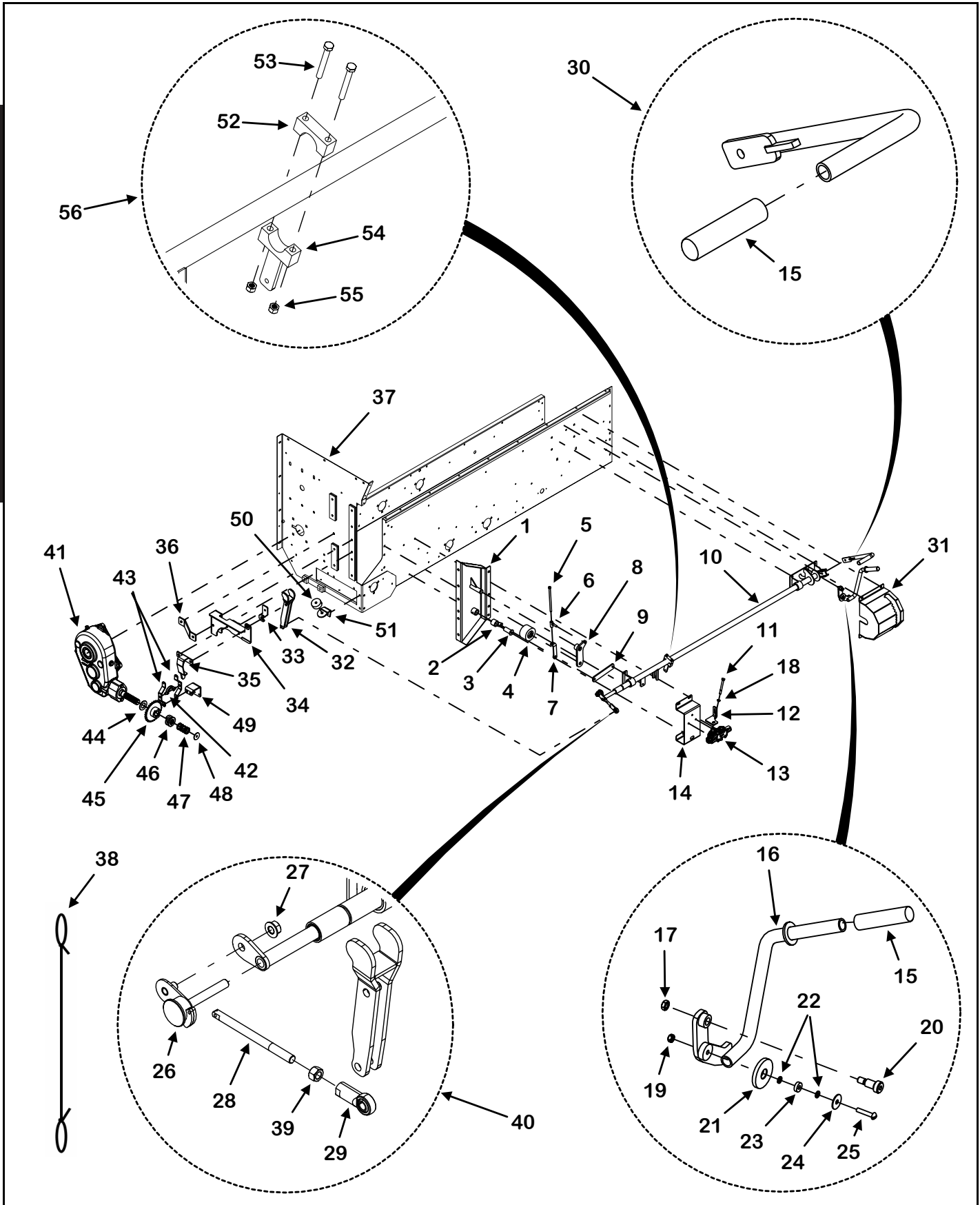
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
36	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (2018 Model Year & Later)
37	135-5050-4-1	1	1/2" x 1/2" x 4" Square Machine Key
38	23-0301	1	Idler Shaft
39	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened Key
40	110-50B15-1.38-1	1	50B15 1-3/8" Bore Sprocket, 5/16" Keyway, With Two 5/16" Setscrews
41	See Page 58	1	Right Hand End Frame
42	49-0175	1	Double V-Belt
43	111-0050-77	1	#50-77 Link Roller Chain Including Connector & Offset
44	111-0050-155	1	#50-155 Link Roller Chain Including Connector & Offset
45	11-0003	1	#50-47 Link Roller Chain Including Connector & Offset
46	24-0350	1	Plastic Shield Assembly With Hinge & Support Piece Left Hand Discharge Shield Mount Plate
47	25-0710-AS	1	Shield Mount Plate
48	33-0060	1	Manual Holder With Drilled Vent Hole
49	24-0350-1	1	Gearbox Plastic Shield Left Hand Discharge
50	24-0350-3	1	Plastic Shield Support Piece With Hinge
	24-0112-2	1	Plastic Cluster Door Hinge
51	24-0350-K	1	Plastic Shield Kit With Mount, Support Bracket With Hinge & Filler Bracket
52	823-0003	1	Lynch Pin
53	25-0758	1	Gearbox Shield Filler Bracket

LEFT DISCHARGE VARIABLE SPEED SHIFTER CONTROLS

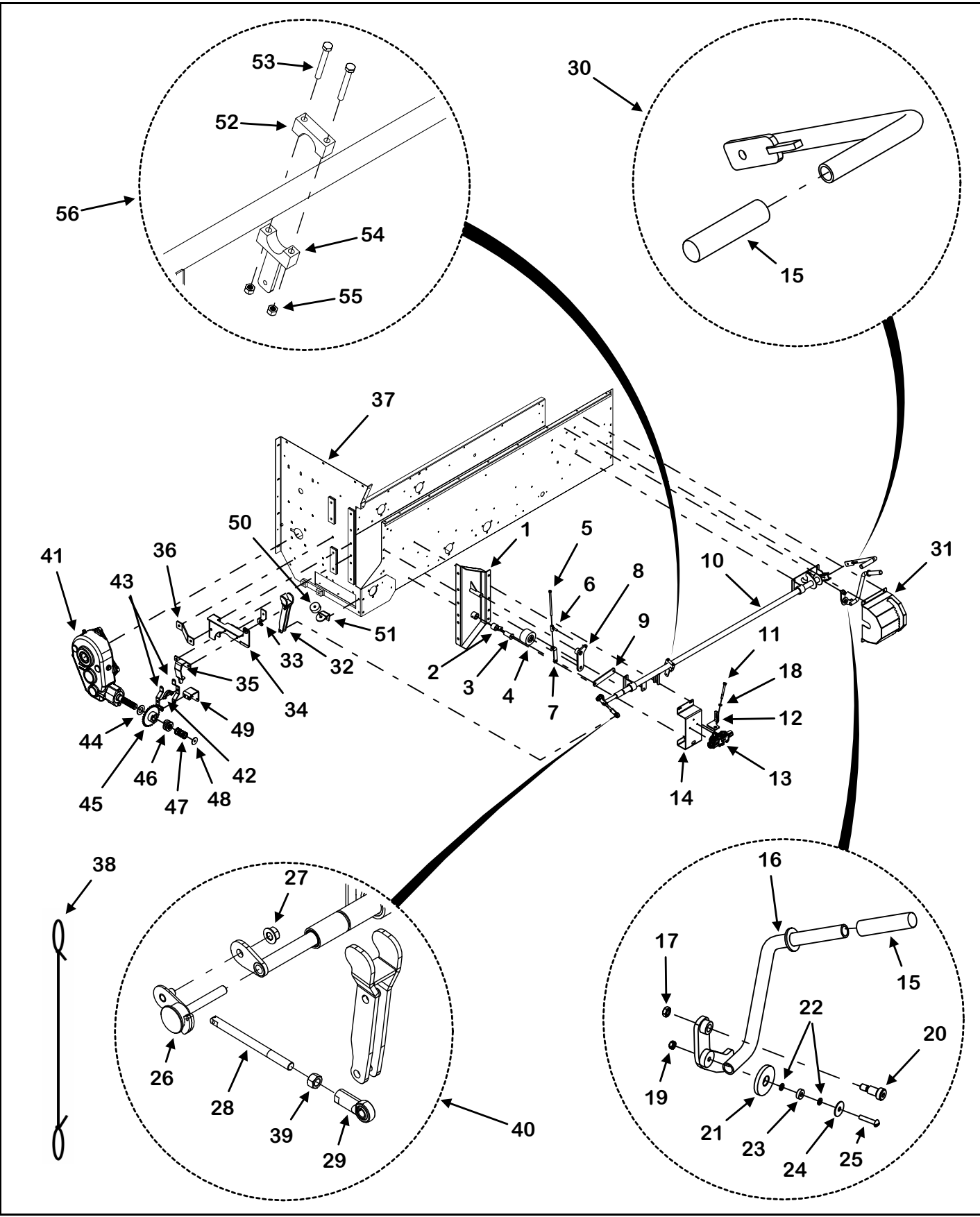
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0701	1	Independent Outfeed Clutch Variable Mount Brake Weldment
2	16-0303	1	Independent Outfeed Clutch Pivot Sleeve Linkage Arm Welded Assembly
3	25-0702	1	Independent Outfeed Clutch Pivot Sleeve Pin Weldment
4	912-0002-1	1	2" Snugulator
5	801-3816-7.5	1	3/8"-16 x 7-1/2" Hex Bolt Grade A
6	16-0041	1	Independent Outfeed Clutch Linkage Pivot Sleeve Weldment
7	16-0306	1	Independent Outfeed Clutch Tightener Arm Linkage
8	16-0302	1	Independent Outfeed Clutch Tightener Arm Weldment
9	16-0300-9	1	Independent Outfeed Clutch Tightener Arm Linkage
10	16-0300	1	Speed Control Welded Assembly
11	851-M10-1.5-100-Z	1	M10-1.5 x 100MM Metric Hex Head Machine Bolt
12	25-0831	1	Valve Linkage Left Hand
13	155-DCV-DF10-1	1	3-Way 2-Position Control Valve With Lever Control Less Handle
14	25-0830-1	1	Hydraulic Selector Valve Mount Bracket
15	51-0003	2	7/8" ID Rubber Grip
16	16-0314	1	Independent Outfeed Clutch Handle Weldment With Grip
17	826-3816-Z	1	3/8"-16 Jam Nut
18	826-M10-1.5-Z	1	M10-1.5 Hex Jam Nut
19	814-2520-Z	1	1/4"-20 Indented Lock Nut
20	834-.50-.75-SS	1	1/2" Shoulder x 3/4" x 3/8"-16 Socket Shoulder Bolt, Stainless Steel, 5/8" Long Thread
21	16-0304-6	1	Shifter Roller
22	805-M6Z	2	M6 Flat Washer
23	14-0311	1	1/4" ID x 5/8" OD 1 Row Double Shield Radial Ball Bearing
24	804-0025-Z	1	1/4" Fender Washer
25	802-2520-1.25Z	1	1/4"-20 x 1-1/4" Stove Bolt
26	25-0921	1	Variable Control Weldment
27	810-5013-Z	1	1/2" Spin Lock Nut
28	42-0021-1	1	Fine Threaded Spade Bolt
	11-0090	1	#40-5 Link Roller Chain Link Each End
	11-0047	2	#40 Connector Roller Link
29	16-0027	1	1/2" Swivel Eyelet
30	16-0316	1	Variable Handle Weldment
31	25-0706	1	Speed Control Handle Selector Bracket Weldment
32	25-0920	1	Control Arm Bracket Weldment
	851-5013-2Z	1	1/2"-13 x 2" Machine Bolt
	814-5013-Z	1	1/2"-13 Indented Lock Nut
33	25-0736	1	Control Rod Bearing Mount Welded Assembly
34	25-0704	1	Variable Speed Control Arm Mount Bracket Weldment
35	25-0805	1	Belt Deflector Welded Assembly
36	25-0704-3	1	Variable Speed Control Arm Mount Plate Brace

LEFT DISCHARGE VARIABLE SPEED SHIFTER CONTROLS (CONT'D)

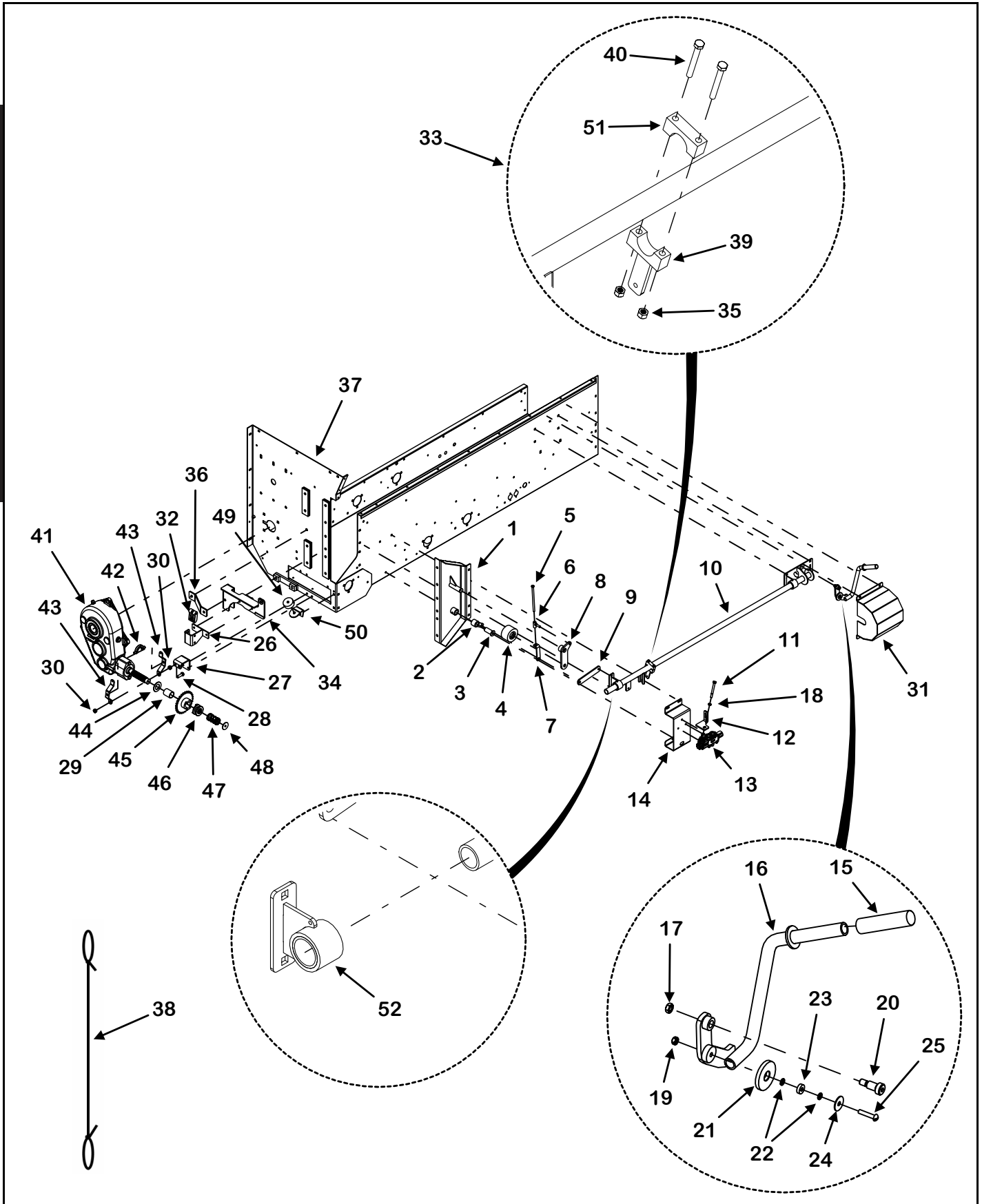
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
37	See Page 58	1	Left Discharge Unit Frame
38	36-0006	3.5	3/32" Uncoated Cable (Per Foot) (2018 Model Year & Later)
39	813-5020-Z	1	1/2"-20 Nut
40	RT-VC-KIT	1	Variable Control Kit Chain Linkage Update (Prior to SN 16R2303)
41	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
42	21-0001	1	Clutch Shifter Brass Collar With Zerk (2018 Model Year & Later)
43	17-0300	2	Apron Clutch Shifter Yoke (2018 Model Year & Later)
44	33-0311	1	Input Washer (2018 Model Year & Later)
45	110-50B28-1.50-1	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway With Two 3/8" Setscrews (Prior to 2018 Model Year)
	110-50C28-1.63-1	1	Clutch Sprocket (2018 Model Year & Later)
	13-0300	1	Bronze Bearing (2018 Model Year & Later)
46	15-0300	1	Splined Jaw Clutch, Pie Shaped (2018 Model Year & Later)
47	29-0034	1	Spring (2018 Model Year & Later)
48	33-0312	1	Input Shaft End Cap (2018 Model Year & Later)
49	25-0931	1	Clutch Mount Bracket (2018 Model Year & Later)
50	33-0313	1	Throwout Clutch Pulley (2018 Model Year & Later)
51	25-0937	1	Throwout Clutch Pulley Mount (2018 Model Year & Later)
52	25-0936-1-1	1	Throwout Clutch Control Mount (2018 Model Year & Later)
53	851-3118-2.5Z	2	5/16" x 2-1/2" Bolt (2018 Model Year & Later)
54	25-0936-1	1	Throwout Clutch Control Mount Weldment (2018 Model Year & Later)
55	815-3118-Z	2	5/16"-18 Nylon Insert Lock Nut (2018 Model Year & Later)
56	25-0936	1	Throwout Clutch Control Mount Assembly (2018 Model Year & Later)

LEFT DISCHARGE SINGLE SPEED SHIFTER CONTROLS

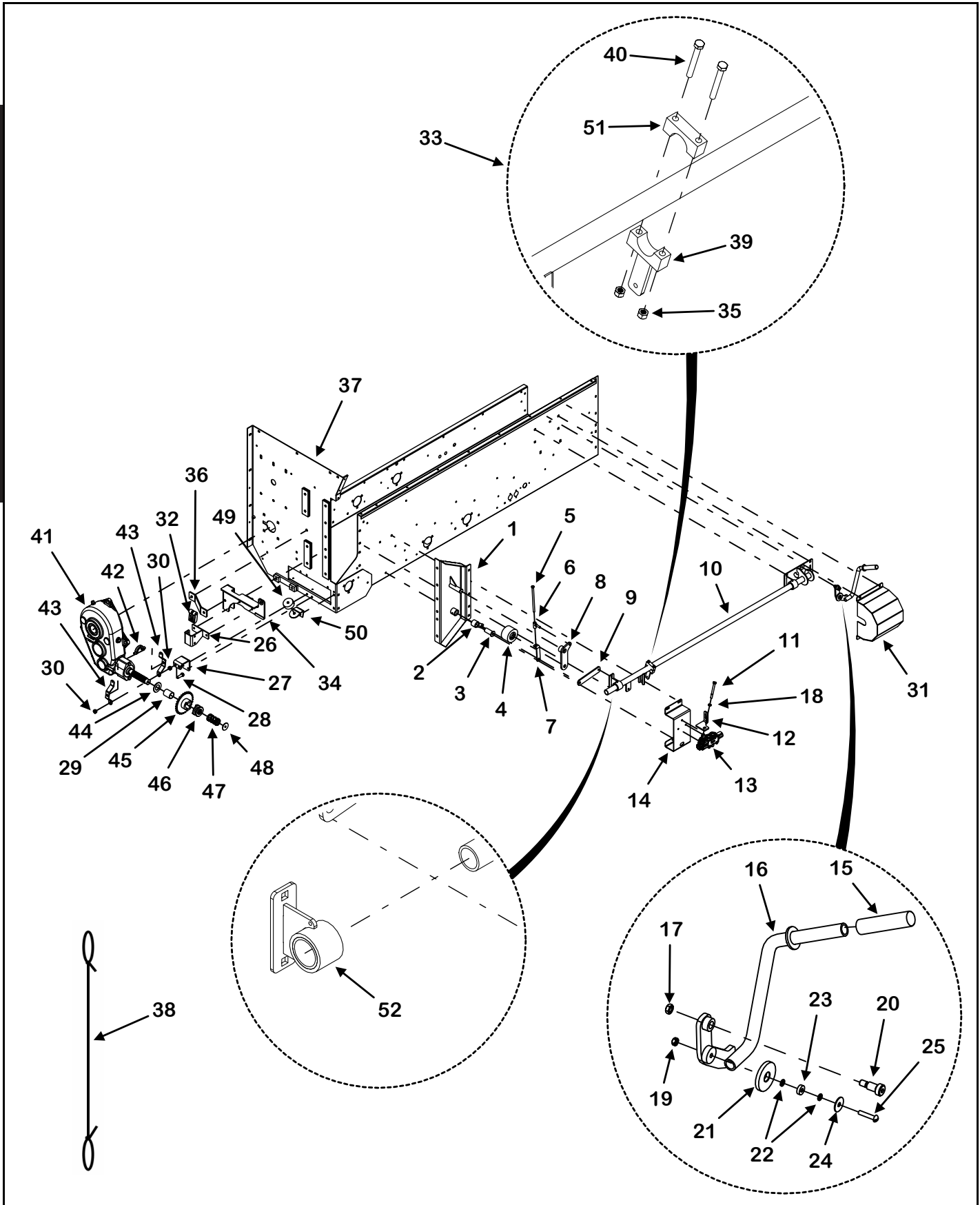
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0701	1	Independent Outfeed Clutch Variable Mount Brake Weldment
2	16-0303	1	Independent Outfeed Clutch Pivot Sleeve Linkage Arm Welded Assembly
3	25-0702	1	Independent Outfeed Clutch Pivot Sleeve Pin Weldment
4	912-0002-1	1	2" Snugulator
5	801-3816-7.5	1	3/8"-16 x 7-1/2" Hex Bolt Grade A
6	16-0041	1	Independent Outfeed Clutch Linkage Pivot Sleeve Weldment
7	16-0306	1	Independent Outfeed Clutch Tightener Arm Linkage
8	16-0302	1	Independent Outfeed Clutch Tightener Arm Weldment
9	16-0300-9	1	Independent Outfeed Clutch Tightener Arm Linkage
10	16-0318	1	Single Speed Control Welded Assembly
11	851-M10-1.5-100-Z	1	M10-1.5 x 100MM Metric Hex Head Machine Bolt
12	25-0831	1	Valve Linkage Left Hand
13	155-DCV-DF10-1	1	3-Way 2-Position Control Valve With Lever Control Less Handle
14	25-0830-1	1	Hydraulic Selector Valve Mount Bracket
15	51-0003	2	7/8" ID Rubber Grip
16	16-0314	1	Independent Outfeed Clutch Handle Weldment With Grip
17	826-3816-Z	1	3/8"-16 Jam Nut
18	826-M10-1.5-Z	1	M10-1.5 Hex Jam Nut
19	814-2520-Z	1	1/4"-20 Indented Lock Nut
20	834-.50-.75-SS	1	1/2" Shoulder x 3/4" x 3/8"-16 Socket Shoulder Bolt, Stainless Steel
21	16-0304-6	1	Shifter Roller
22	805-M6Z	2	M6 Flat Washer
23	14-0311	1	1/4" ID x 5/8" OD 1 Row Double Shield Radial Ball Bearing
24	804-0025-Z	1	1/4" Fender Washer
25	802-2520-1.25Z	1	1/4"-20 x 1-1/4" Stove Bolt
26	25-0900	1	Chain Tightener Bracket Weldment
27	25-0931	1	Clutch Mount Bracket (2018 Model Year & Later)
28	851-5013-1.5-Z	1	1/2"-13 x 1-1/2" Machine Bolt (2018 Model Year & Later)
29	13-0300	1	Bronze Bearing (2018 Model Year & Later)
30	814-5013-Z	2	1/2"-13 Indented Lock Nut (2018 Model Year & Later)
31	25-0899	1	Control Handle Selector Bracket Weldment
32	41-0002	1	Nylon Slide Chain Tightener Paddle
33	25-0936	1	Throwout Clutch Control Mount Assembly (2018 Model Year & Later)
34	25-0704	1	Variable Speed Control Arm Mount Bracket Weldment
35	815-3118-Z	2	5/16"-18 Nylon Insert Lock Nut (2018 Model Year & Later)
36	25-0704-3	1	Variable Speed Control Arm Mount Plate Brace
37	See Page 58	1	Left Discharge Unit Frame
38	36-0006	3.5	3/32" Uncoated Cable (Per Foot) (2018 Model Year & Later)

LEFT DISCHARGE SINGLE SPEED SHIFTER CONTROLS (CONT'D)

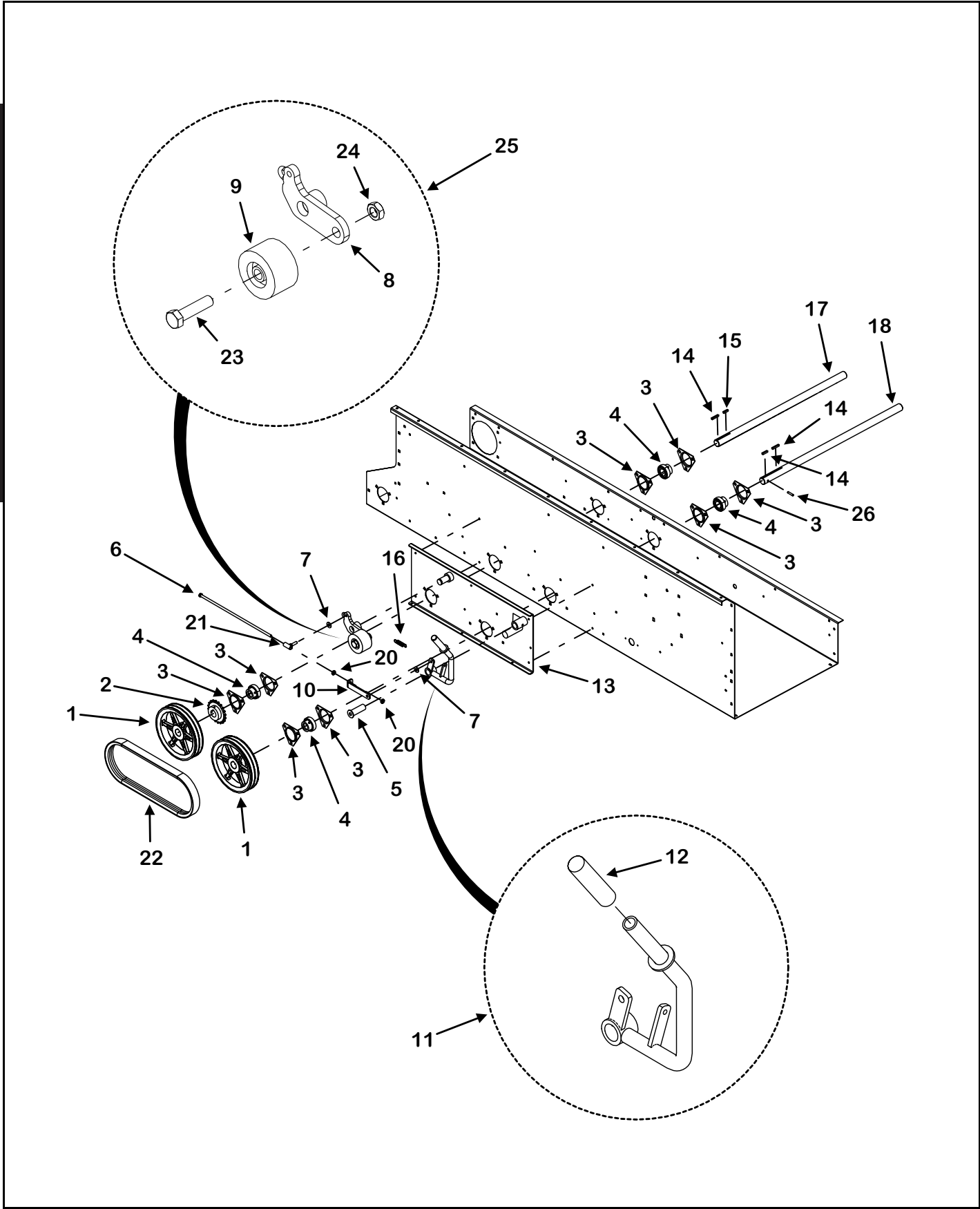
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
39	25-0936-1	1	Throwout Clutch Control Mount Weldment (2018 Model Year & Later)
40	851-3118-2.5Z	2	5/16" x 2-1/2" Bolt (2018 Model Year & Later)
41	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
42	21-0001	1	Clutch Shifter Brass Collar With Zerk (2018 Model Year & Later)
43	17-0300	2	Apron Clutch Shifter Yoke (2018 Model Year & Later)
44	33-0311	1	Input Washer (2018 Model Year & Later)
45	110-50B28-1.50-1	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway With Two 3/8" Setscrews (Prior to 2018 Model Year)
	110-50C28-1.63-1	1	Clutch Sprocket (2018 Model Year & Later)
	13-0300	1	Bronze Bearing (2018 Model Year & Later)
46	15-0300	1	Splined Jaw Clutch, Pie Shaped (2018 Model Year & Later)
47	29-0034	1	Spring (2018 Model Year & Later)
48	33-0312	1	Input Shaft End Cap (2018 Model Year & Later)
49	33-0313	1	Throwout Clutch Pulley (2018 Model Year & Later)
50	25-0937	1	Throwout Clutch Pulley Mount (2018 Model Year & Later)
51	25-0936-1-1	1	Throwout Clutch Control Mount (2018 Model Year & Later)
52	14-0300	1	Control Pipe Bearing Assembly

LEFT DISCHARGE INDEPENDENT OUTFEED CLUTCH DRIVE

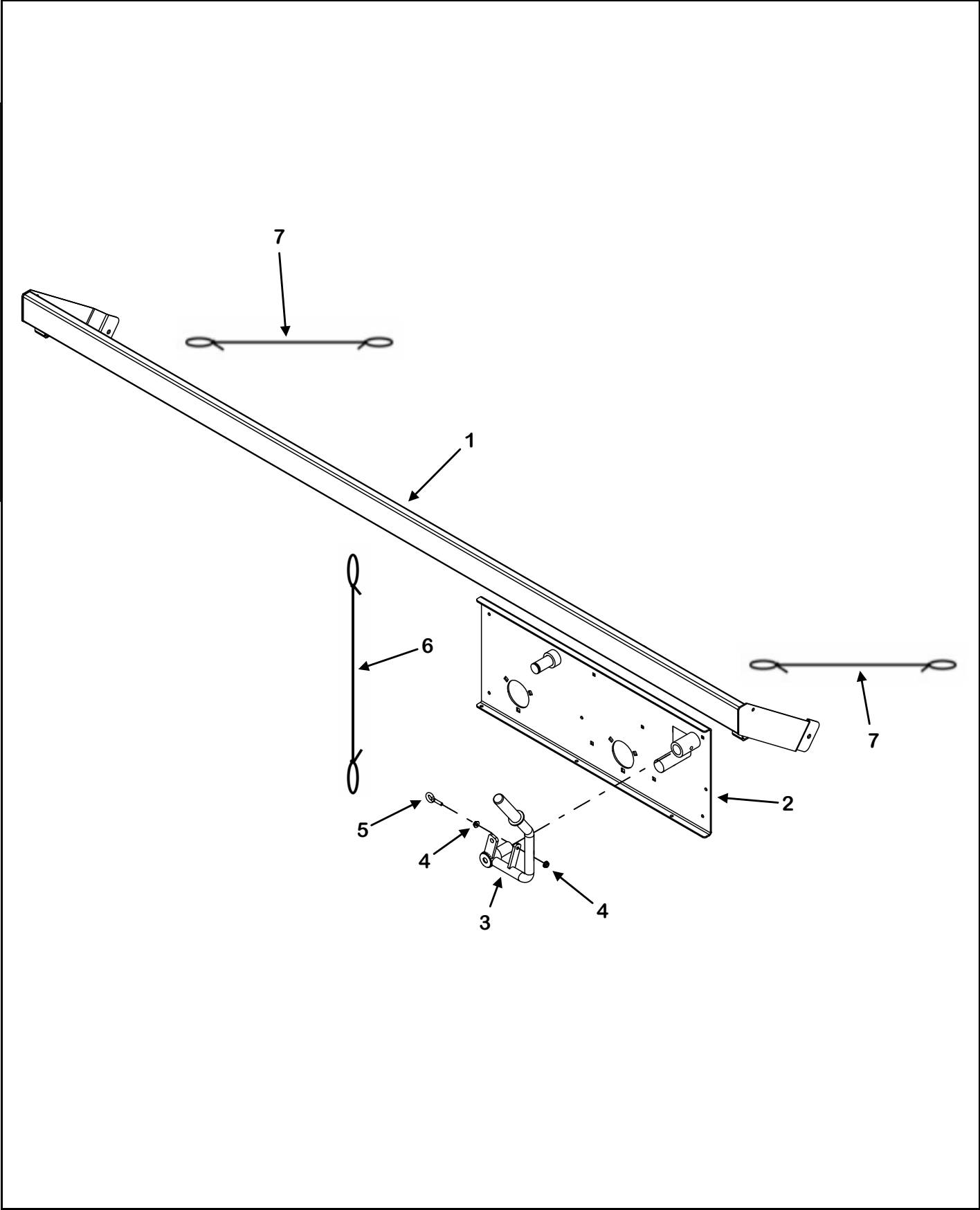
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	12-0028	2	9-3/4" Double Pulley 1-1/4" Bore 1/4" Keyway
2	110-50B20-1.25-1	1	50B20 1-1/4" Bore, 1/4" Keyway Sprocket 5/16" Setscrews
3	14-0002-2	8	1-1/4" Bearing Flange
4	14-0002-3	4	1-1/4" Bearing With Lock Collar
	14-0002	4	1-1/4" Bearing Assembly With Flanges
5	25-0279	1	Independent Outfeed Clutch Handle Pivot Shaft Weldment
6	801-3816-17	1	3/8"-16 x 17" Hex Cap Screw
7	805-0038-Z	2	3/8" Flat Washer
8	25-0260-4	1	Clutch Tightener Arm Weldment
9	912-0002-1	1	2" Snugulator
10	25-0268-1	1	Independent Outfeed Clutch Linkage Extension
11	16-0313	1	Independent Outfeed Clutch Shifting Handle Weldment With Grip
12	51-0003	1	7/8" ID Rubber Grip
13	25-0700	1	Independent Outfeed Clutch Main Clutch Plate Weldment
14	35-0012	3	1/4" x 1/4" x 1-1/2" Square Key (Additional Key For Hydraulic Drive Units)
15	135-2525-1-1	1	1/4" x 1/4" x 1" Square Machine Key
16	29-0005	1	Extension Spring
17	23-0307	1	Independent Outfeed Clutch Idler Shaft
18	23-0306	1	Independent Outfeed Clutch Center Drive Shaft
19	See Page 58	1	Apron Pan
20	813-3816-Z	2	3/8"-16 Nut
21	16-0041	1	Independent Outfeed Clutch Linkage Pivot Sleeve Weldment
22	49-0175	1	Double V-Belt
23	851-7510-3Z	1	3/4"-10 x 3" Grade 5 Machine Bolt
24	933-3621	1	3/4"-10 Jam Nut
25	25-0260	1	Clutch Tightener Assembly
26	38-0015	1	PTO Roll Pin

LEFT DISCHARGE EMERGENCY STOP SYSTEM

LEFT HAND DISCHARGE

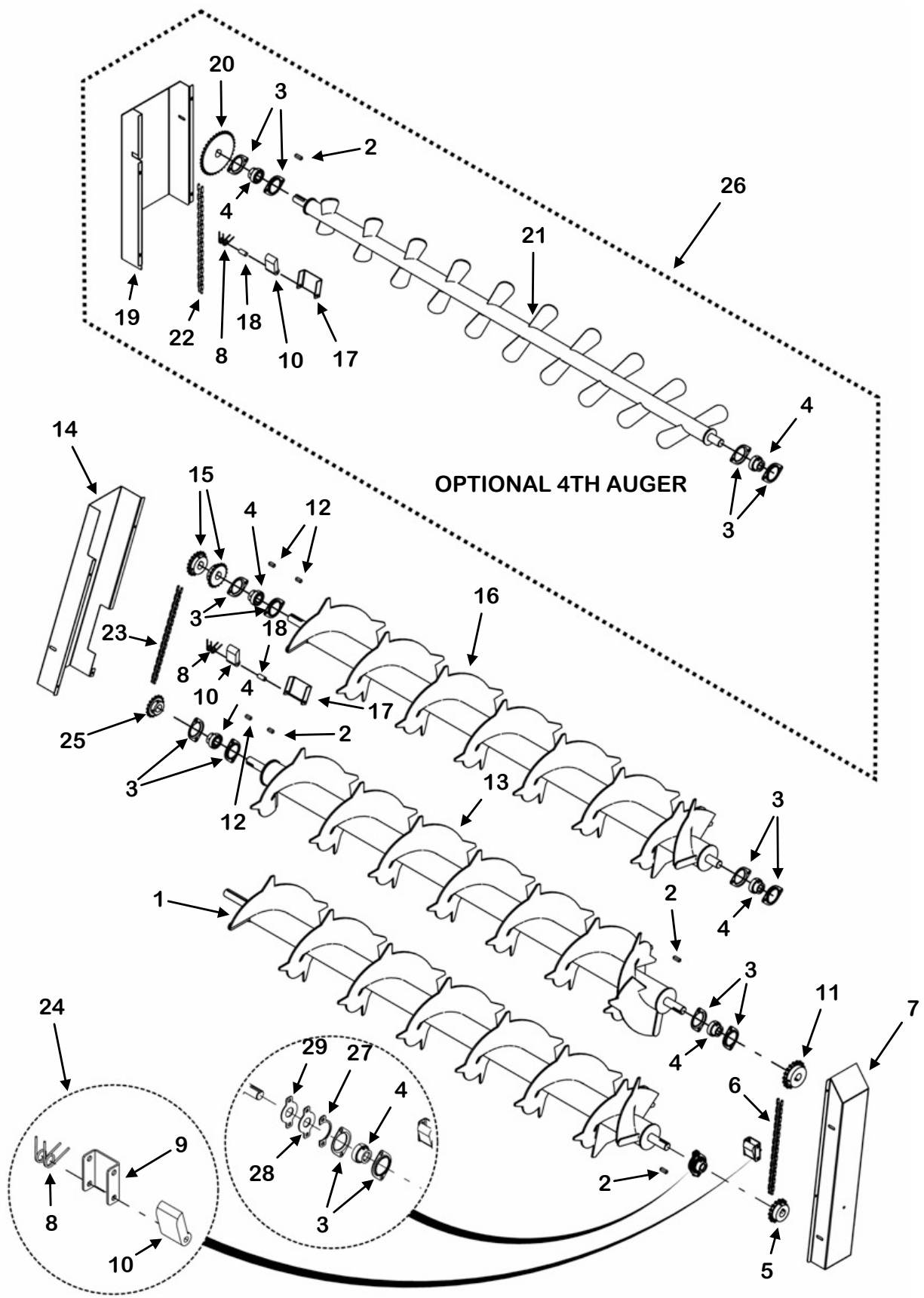


KEY	PART NUMBER	QTY	DESCRIPTION
1	16-0305	1	Emergency Stop Control Bar Welded Assembly
2	See Page 80	1	Independent Outfeed Clutch Main Clutch Plate Weldment
3	See Page 80	1	Independent Outfeed Clutch Shifting Handle Weldment With Grip
4	810-2520-Z	2	1/4" Spin Lock Nut
5	811-2520-1Z	1	1/4"-20 x 1" Eyebolt 2" Overall With 1" Shank
6	36-0002	1	Emergency Stop Front Cable With Clamps
7	33-0048	2	3/32" Thimble System Item
	36-0006	18'	3/32" Uncoated Cable (RT216) (Per Foot Per Side)
		19'	3/32" Uncoated Cable (RT218) (Per Foot Per Side)
		20'	3/32" Uncoated Cable (RT/RTX220) (Per Foot Per Side)
		21'	3/32" Uncoated Cable (RT/RTX222) (Per Foot Per Side)
		25.75'	3/32" Uncoated Cable (RTX224) (Per Foot Per Side)
	27.75'	3/32" Uncoated Cable (RTX226) (Per Foot Per Side)	
36-0007	4	3/32" Aluminum Crimp Clamp	

LEFT HAND DISCHARGE

LEFT DISCHARGE AUGERS AND AUGER DRIVE

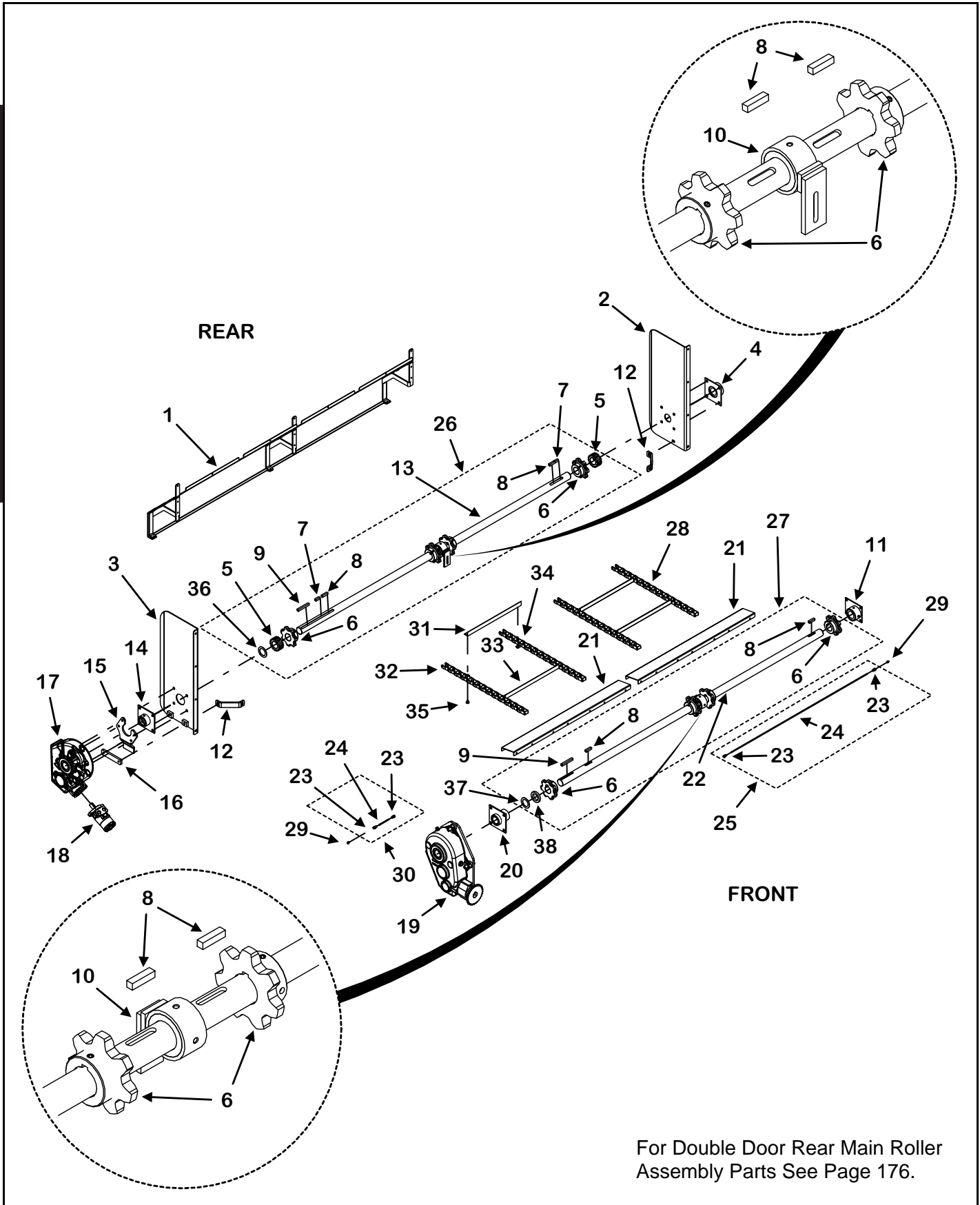
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	26-0300	1	Bottom Auger Assembly
2	35-0006	2/3	3/8" x 3/8" x 1-1/4" Square Key
3	14-0003-2	10/14	1-1/4" Bearing Flange
4	14-0002-3	5/7	1-1/4" Bearing With Lock Collar
5	10-0095	1	60B15 1-1/4" Bore 3/8" Keyway Sprocket
6	111-0060-82	1	#60-82 Roller Chain Including Connector
7	24-0319	1	1st/2nd Auger Shield Complete
8	29-0002	4/6	Torsion Spring Chain Tightener Spring
9	25-0047	1	Auger Chain Tightener Bracket
10	41-0002	2/3	3" Nylon Slide Chain Tightener Paddle
11	110-60B18-1.25-1	1	60B18 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
12	135-3838-1-1	3	3/8" x 3/8" x 1" Square Machine Key
13	26-0301	1	2nd Auger Assembly
14	24-0322	1	2nd/3rd Auger Shield
15	110-50B19-1.25-1	2	50B19 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
16	26-0303	1	3rd Auger Assembly
17	41-0023-1	1/2	2nd/3rd Auger Bracket (Welded On)
18	43-0018	1/2	Tightener Bracket Tube Spacer
19	24-0323	1	3rd/4th Auger Shield Complete (Prior to SN 17R2279)
	24-0362	1	3rd/4th Auger Shield Complete (SN 17R2279 & Later)
20	10-0009	1	50B36 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
21	26-0304	1	4th Auger Welded Assembly
22	111-0050-90	1	#50-90 Roller Chain Including Connector (Prior to SN 17R2279)
	11-0029	1	#50-93 Roller Chain Including Connector (SN 17R2279 & Later)
23	111-0050-98	1	#50-98 Roller Chain Including Connector
24	41-0009	1	1st/2nd Auger Chain Tightener Assembly
25	10-0012	1	50B17 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
26	RTX-4A-KIT	1	4th Auger Kit (Prior to SN 17R2279)
	RTX-4A-6B-KIT	1	4th Auger Kit (SN 17R2279 & Later)
27	14-0318	1	Lower Auger Bearing Seal Spacer
28	14-0319	1	Lower Auger Bearing Seal
29	14-0320	1	Lower Auger Bearing Seal Cover

LEFT DISCHARGE MAIN APRON DRIVE SYSTEM

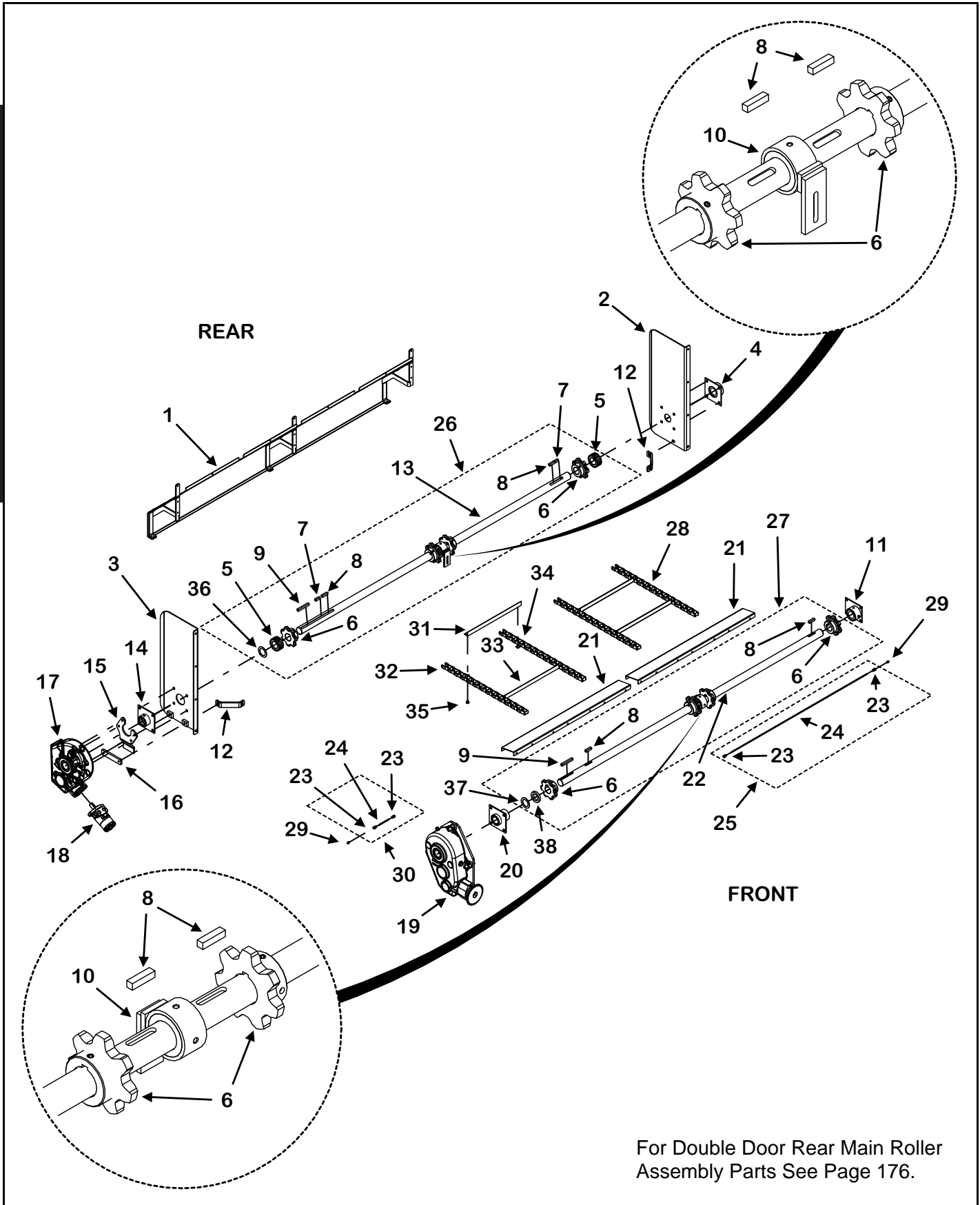
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 138	1	Rear Apron Shield Assembly
2	25-0719	1	Left Hand Main Roller Bearing Plate (RT Models)
	25-0841	1	Left Hand Main Roller Bearing Plate (RTX Models)
3	25-0718	1	Right Rear Apron Shaft Bearing Bracket Weldment (RT Models)
	25-0840	1	Right Rear Apron Shaft Bearing Bracket Weldment (RTX Models)
4	14-0061	1	Right Rear Bearing Assembly 2" Bore
5	23-0160-2	2	Door Latch Collar
6	110-667B7-2.00-3	8	667B7 2.25" Pitch Sprocket 2" Bore With 1/2" Key
7	35-0029	2	1/2" x 1/2" x 1-1/2" Square Key
8	35-0008	8	1/2" x 1/2" x 2" Square Key
9	135-5050-4-1	2	1/2" x 1/2" x 4" Square Key
10	14-0054	1	Center Main Drive Bearing
	930-3602	1	Male Compression Fitting For Front
	30-0002	1	Straight Grease Zerk For Rear
11	14-0306	1	Main Roller Left Bearing Assembly
12	25-0179	2	Dump Box Main Roller Bearing Brace
13	23-0304-1	1	2-Way Rear Main Apron Shaft
14	14-0310	1	Rear Apron Bearing Welded Assembly
15	25-0783	1	Rear Drive Torque Arm
16	25-0872	1	Torque Arm Retainer
17	See Page 148	1	21.1:1 Berma 31/41 Rear Apron Gearbox
18	See Page 140	1	Char-Lynn Hydraulic Motor 11.9 Cubic Inches (Prior to SN 17R2317)
	See Page 140	1	White WS Series Hydraulic Motor 12.3 Cubic Inches (SN 17R2317 & Later)
19	See Page 152	1	31.4:1 Berma Next Generation Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Next Generation Apron Gearbox 2" Bore (2018 Model Year & Later)
20	See Page 68	1	Front Apron Bearing Welded Assembly
21	See Page 58	2	Reverse Chain Guide Panel
22	23-0300-1	1	Main Drive Shaft
23	930-3602	2	Male Connector Brass
24	735-.25CT	AR	1/4" Copper Tubing System (By The Foot)
25	33-0306	1	50" Front Center Main Bearing Grease Line Assembly
26	23-0304	1	Rear Main Roller Assembly (Prior to 2022 Model Year)
	23-0322	1	Rear Main Roller Assembly (2022 Model Year & Later)
27	23-0300	1	Main Apron Drive Shaft Assembly (Prior to 2022 Model Year)
	23-0321	1	Main Apron Drive Shaft Assembly (2022 Model Year & Later)

LEFT DISCHARGE MAIN APRON DRIVE SYSTEM (CONT'D)

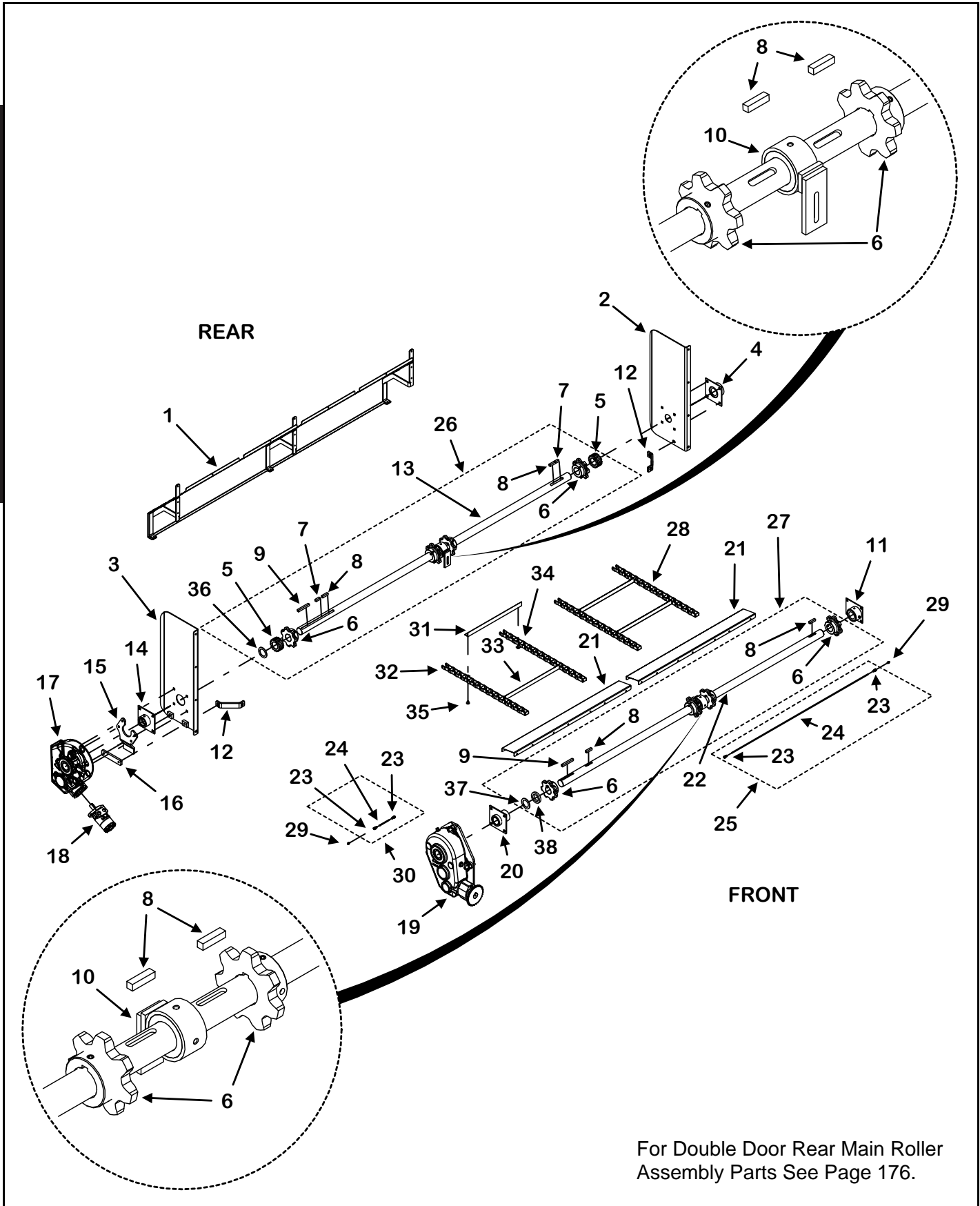
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
28	11-0405	2	RT216 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0442	2	RT216 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0406	2	RT218 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0443	2	RT218 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0407	2	RT/RTX220 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0444	2	RT220 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0434	2	RTX220 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0408	2	RT/RTX222 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0445	2	RT222 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0435	2	RTX222 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0409	2	RTX224 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0436	2	RTX224 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0410	2	RTX226 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0437	2	RTX226 667XH Main Apron Chain Assembly (2022 Model Year & Later)
29	30-0002	2	1/8" NPT Straight Grease Zerk
30	33-0307	1	3-1/2" Front Right Main Bearing Grease Line Assembly
31	11-0400-1	AR	Main Apron Slat (Prior to 2022 Model Year)
	11-0400-3	AR	RT Main Apron Slat (2022 Model Year & Later)
	11-0171-1	AR	RTX Main Apron Slat (2022 Model Year & Later)
32	11-0008-1-D	AR	Pintle Chain Link-D667X (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-2-D	AR	Pintle Chain Link-D667XH (RTX Models 2022 Model Year & Later)
33	11-0400	AR	Chain Slat With Attachments-667X (Prior to 2022 Model Year)
	11-0401	AR	Chain Slat With Attachments-667X (RT Models 2022 Model Year & Later)
	11-0177	AR	Chain Slat With Attachments-667XH (RTX Models 2022 Model Year & Later)
34	11-0008-3-D	AR	Attachment Link-D667X (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-3-D	AR	Attachment Link-D667XH (RTX Models 2022 Model Year & Later)

LEFT DISCHARGE MAIN APRON DRIVE SYSTEM (CONT'D)

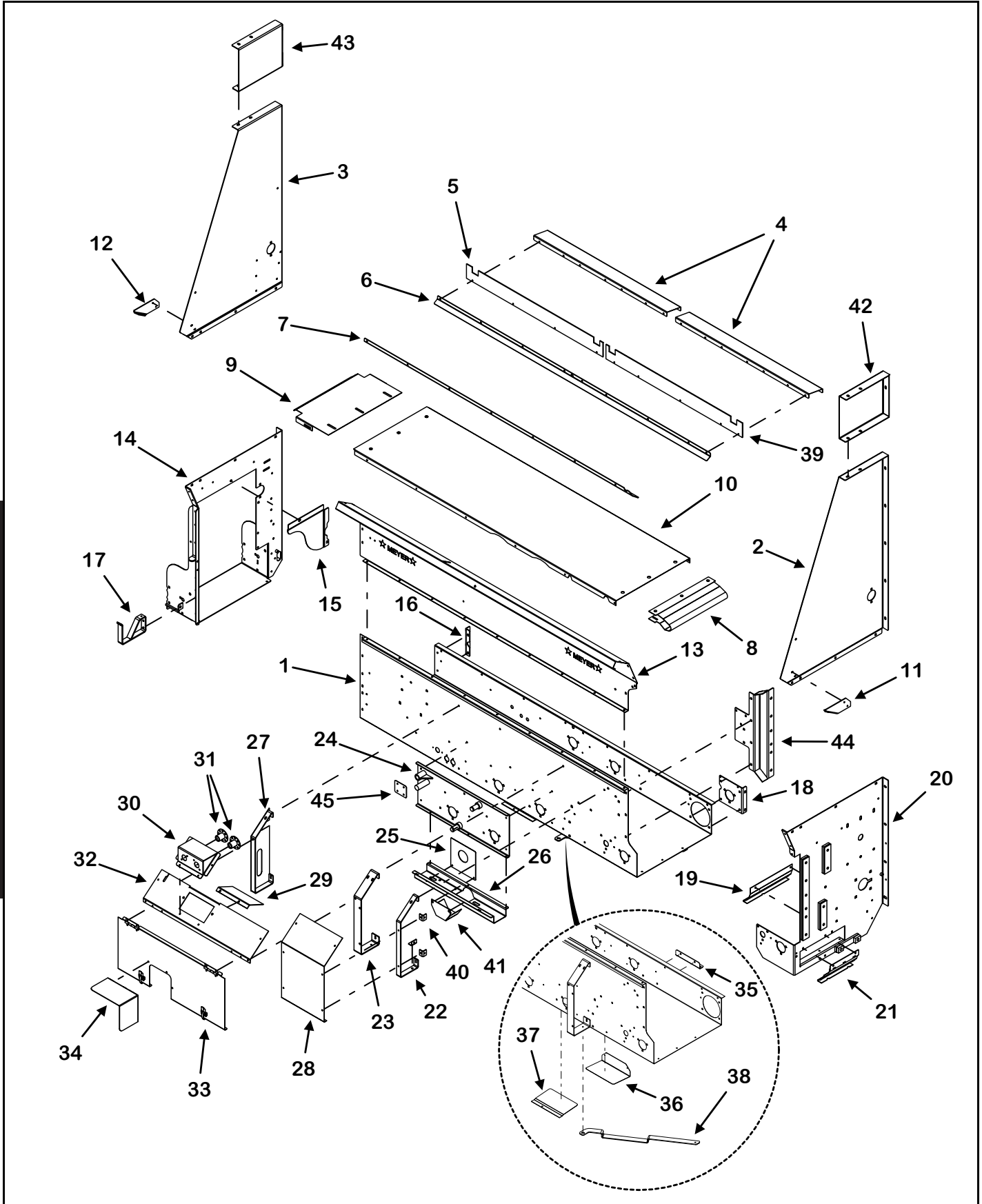
LEFT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
35	11-0008-2	AR	Rivet, 3/8" x 1" (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-6	AR	Rivet, 7/16" x 1-1/8" (RTX Models 2022 Model Year & Later)
36	808-2-3-14	1	2" x 3" x 14 Gauge Machine Bushing (2022 Model Year & Later)
37	23-0321-2	1	.105" x 3" Diameter Shaft Spacer (2022 Model Year & Later)
38	23-0321-1	1	1/2" x 3" Diameter Shaft Spacer (2022 Model Year & Later)

LEFT HAND DISCHARGE

RIGHT DISCHARGE UNIT FRAME



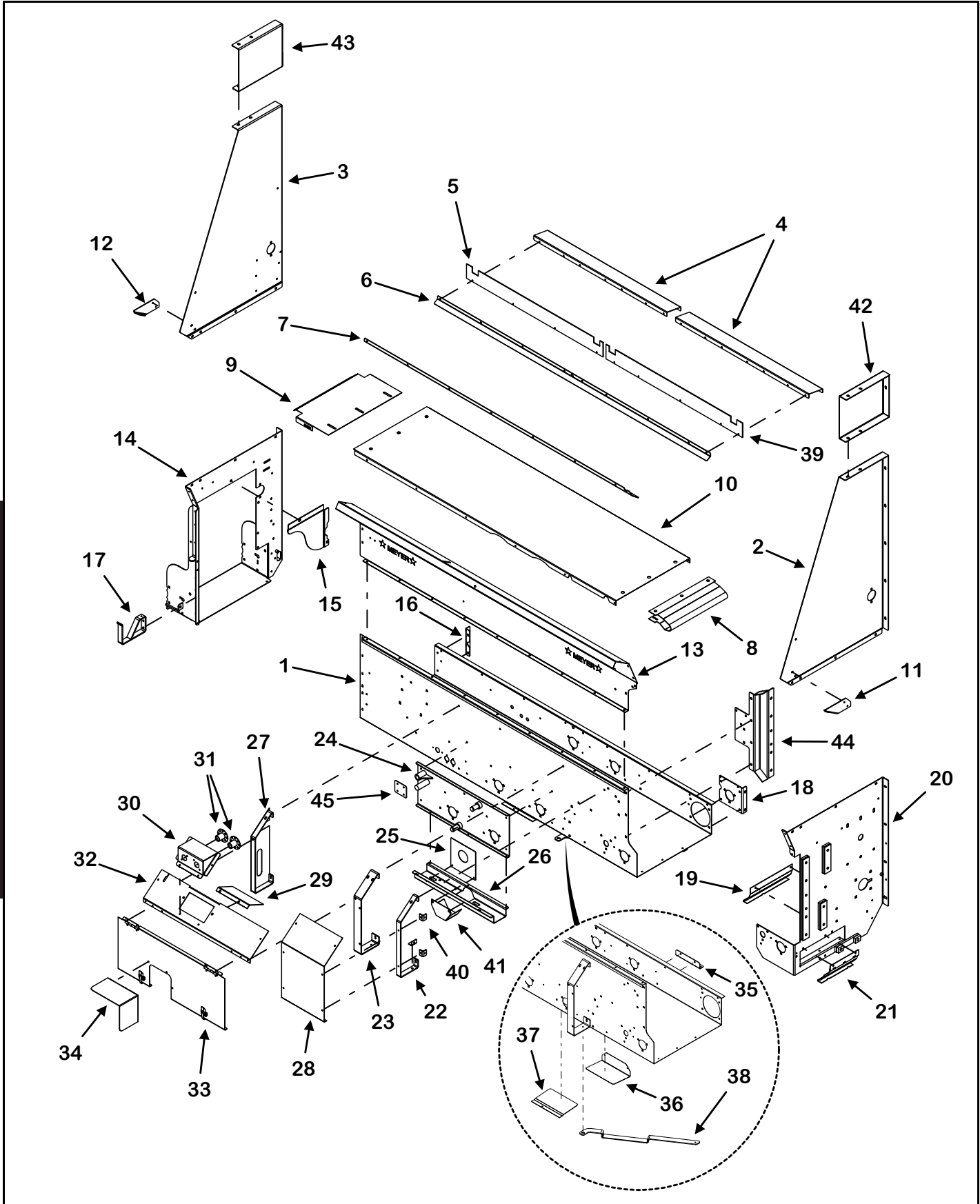
RIGHT HAND DISCHARGE

KEY	PART NUMBER	QTY	DESCRIPTION
1	27-0300-RH-AS	1	Apron Pan
2	27-0304-RH-AS	1	Left Upper Auger Panel Assembly (Prior to SN 15R2218)
	27-0313-RH	1	Left Upper Auger Panel Assembly (SN 15R2218 & Later)
3	27-0305-RH-AS	1	Right Upper Auger Panel Assembly (Prior to SN 15R2218)
	27-0314-RH	1	Right Upper Auger Panel Assembly (SN 15R2218 & Later)
4	27-0308-RH	2	Reverse Chain Guide Panel
5	49-0301-RH	1	Rear Apron Pan Belt Right (Prior to 2022 Model Year)
	49-0440-RH	1	Rear Apron Pan Belt Right (2022 Model Year & Later)
6	25-0852-RH	1	Cross Conveyor Hold Down Rear
7	25-0851-RH	1	Cross Conveyor Hold Down Front
8	25-0531	1	Cross Conveyor Chain Idler Shaft Cap
9	24-0304	1	Right Cross Conveyor Shaft Shield
10	27-0301-RH	1	Top Apron Pan
	49-0229	1	Feed Box Poly Liner
11	25-0516	1	Spillage Guard Gusset Left
12	25-0515	1	Spillage Guard Gusset Right
13	27-0303-RH	1	Upper Spillage Guard Panel Assembly
14	39-0301-RH	1	Right End Frame Welded Assembly
15	24-0307-RH	1	Auger Shield
16	25-0725	1	Right Apron Pan Bracket
17	25-0006	1	PTO Hanger Bracket
18	See Page 96	1	Right Apron Pan Support Bracket
19	27-0310-RH	1	Conveyor Chain Return
20	39-0300-RH	1	Left End Frame Welded Assembly
21	27-0315-RH	1	Clean-Out Door Weldment
22	24-0342	1	Front Shield Bracket Right
23	24-0340-RH	1	Front Shield Bracket Center
24	See Page 114	1	Independent Outfeed Clutch Main Clutch Plate Weldment
25	24-0311	1	Clutch PTO Shaft Cover
26	25-0707-RH	1	Independent Outfeed Clutch Bottom Bracket
27	24-0300-RH	1	Front Shield End Cap Weldment
28	24-0302	1	Left Front Shield Assembly
29	24-0341-RH	1	Drip Pan
30	24-0338	1	Hose Mount Weldment
31	25-1107	2	Coupler Mount Weldment
32	24-0338-1-RH-AS	1	Hose Mount Weldment
33	24-0339-RH	1	Front Shield Assembly With Door Latches
	32-0001-1	2	Door Latch
	24-0339-2	2	Front Shield Hinge
34	24-0310-RH	1	PTO Shield Left Hand Assembly
35	25-0767	1	Rear Unit Hose Clamp Mounting Bracket
36	24-0315	1	Cross Conveyor Access Cover Rear
37	24-0314-RH	1	Cross Conveyor Access Cover Front

RIGHT HAND DISCHARGE

RIGHT DISCHARGE UNIT FRAME (CONT'D)

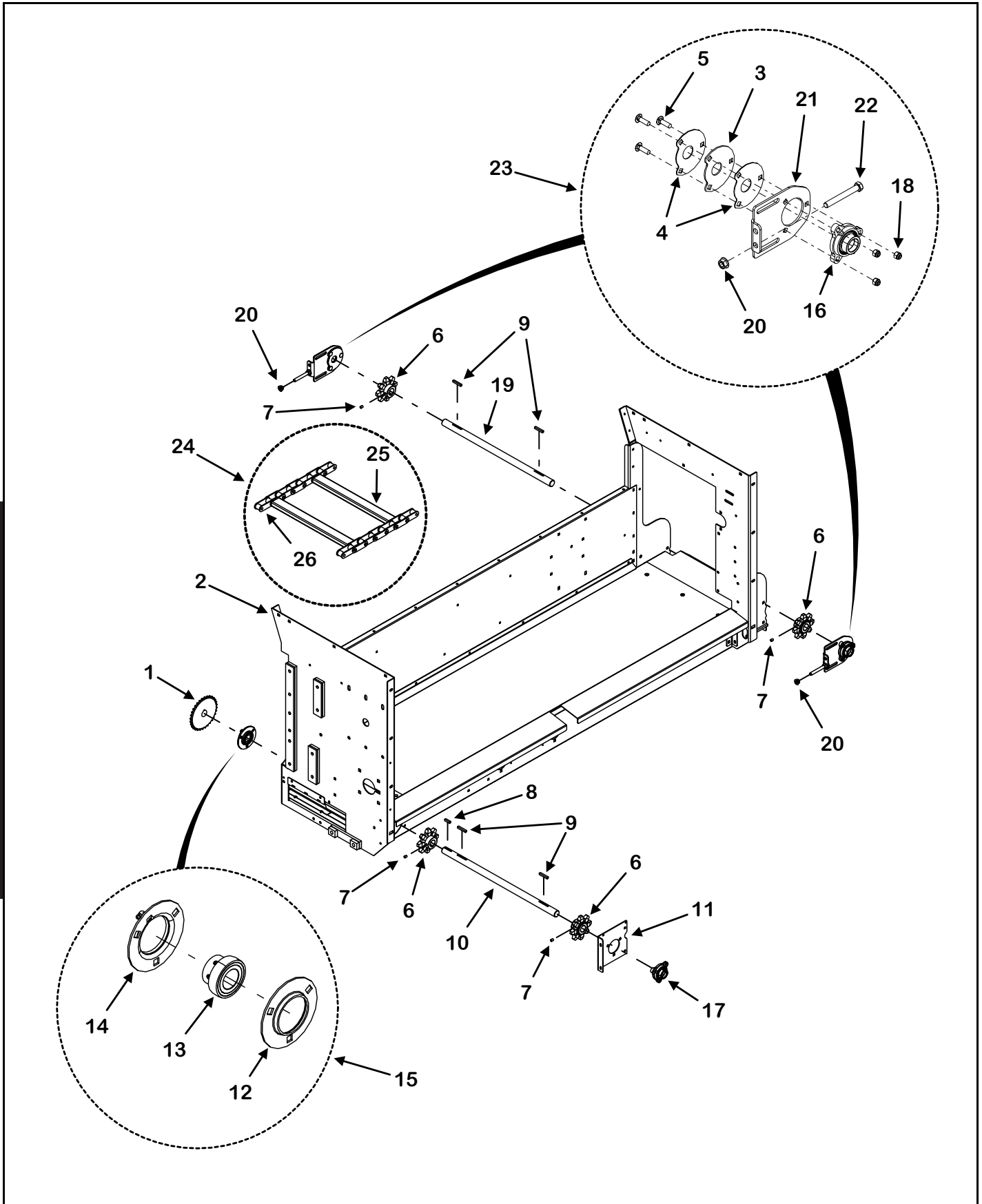
RIGHT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
38	25-0746-RH	1	Hose Support
39	49-0300-RH	1	Rear Apron Pan Belt Left (Prior to 2022 Model Year)
	49-0439-RH	1	Rear Apron Pan Belt Left (2022 Model Year & Later)
40	25-0711	3	Front Shield Mount Inner Bracket
41	25-0930	1	IOC Bottom Bracket Shield Weldment
42	27-0306	1	Left Auger Extension Plate (High Side Box)
43	27-0307	1	Right Auger Extension Plate (High Side Box)
44	25-0792	1	IOC/Variable Mount Bracket Weldment
45	24-0363	1	Hydraulic Extension Cover Plate

RIGHT DISCHARGE CROSS CONVEYOR

RIGHT HAND DISCHARGE

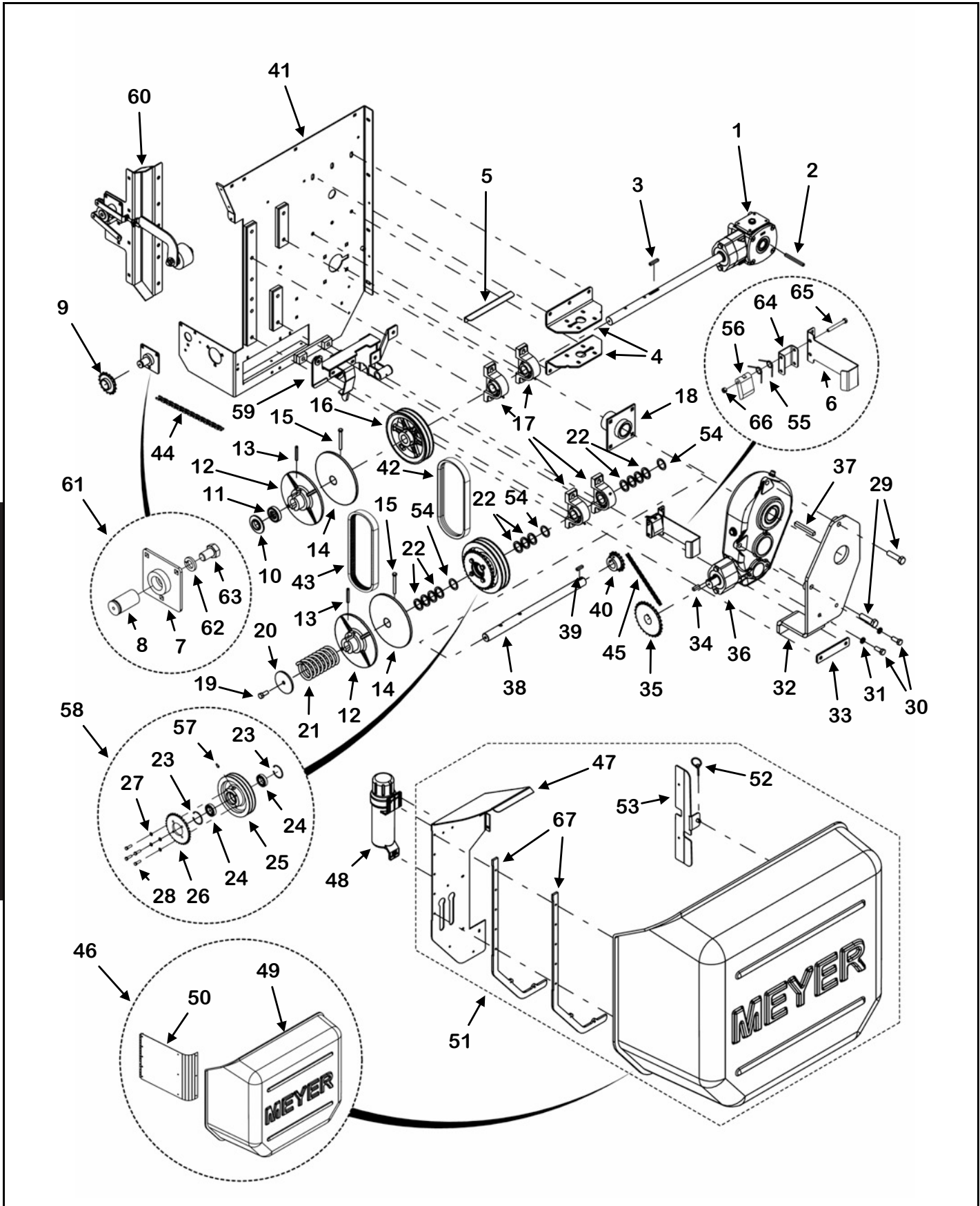


KEY	PART NUMBER	QTY	DESCRIPTION
1	110-50B32-1.25-1	1	50B32 1-1/4" Bore, 5/16" Keyway Sprocket, 5/16" Setscrews
2	See Page 92	1	Right Discharge Unit Frame
3	14-0316	2	Bearing Plastic Seal
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)
4	14-0317	4	Bearing Seal Plate
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)
5	850-3816-1.5Z	6	3/8"-16 x 1-1/2" Carriage Bolt
6	110-662B10-1.25-2	4	10 Tooth 1.664" Pitch 662 Sprocket 1-1/4" ID x 5/16" Key (Prior to SN 15R2207)
	110-662B8-1.25-1	4	8 Tooth 1.664" Pitch 662 Sprocket 1-1/4" ID x 5/16" Key (SN 15R2207 & Later)
7	827-3816-.5	4	3/8"-16 x 1/2" Setscrew Knurled Point
8	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened
9	135-3131-2-1	4	5/16" x 5/16" x 2" Square Key
10	23-0309	1	Right Cross Conveyor Drive Shaft
11	25-0724	1	Right Apron Pan Support Bracket
12	14-0312-1	1	1-1/4" Re-Lube Plain Round Flange
13	14-0073	1	1-1/4" Greasable Bearing Insert With Eccentric Lock
14	14-0313-1	1	1-1/4" Re-Lube Plain Flange, 90° Threaded Zerk
15	14-0327	1	1-1/4" Bearing Assembly, 3-Hole Re-Lube RD Flanges, 90° Zerk
16	14-0071	2	1-1/4" Ductile Square Hole Flange Bearing
	RT-CC-TG-1	1	Cross Conveyor Bearing Update Kit With Complete Trash Guard Kit (Prior to SN 16R2315)
	RT-CC-B-UP-1	2	Cross Conveyor Bearing Update Kit (SN 16R2315 Through SN 23R2301)
17	14-0071	1	1-1/4" Ductile Square Hole Flange Bearing
18	810-3816-Z	6	3/8"-16 Spin Lock Nut
19	23-0303	1	Left Cross Conveyor Idler Shaft
20	810-5013-Z	4	1/2" Spin Lock Nut
21	25-0712	2	Tightener Bearing Bracket Assembly (Includes Key #s 20 & 22)
22	830-5013-4Z	2	1/2"-13 x 4" Tap Bolt Grade 5 Fully Threaded
23	14-0328	2	Tightener Bearing Assembly
24	11-0281-1-D	1	Complete Pintle Chain Assembly (Prior to SN 15R2207)
	11-0286-1-D	1	Complete Pintle Chain Assembly (SN 15R2207 & Later)
	11-0281-D	1	1' Extension Complete Pintle Chain Assembly (Additional Lengths See Page 162) (Prior to SN 15R2207)
	11-0286-D	1	1' Extension Complete Pintle Chain Assembly (Additional Lengths See Page 162) (SN 15R2207 & Later)
25	11-0281-2-1-D	AR	Cross Apron Slat With Attachments
26	11-0006-1	AR	Link, Pintle Chain (With Two Pins & Cotter Pins)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE VARIABLE SPEED CLUSTER DRIVE

RIGHT HAND DISCHARGE

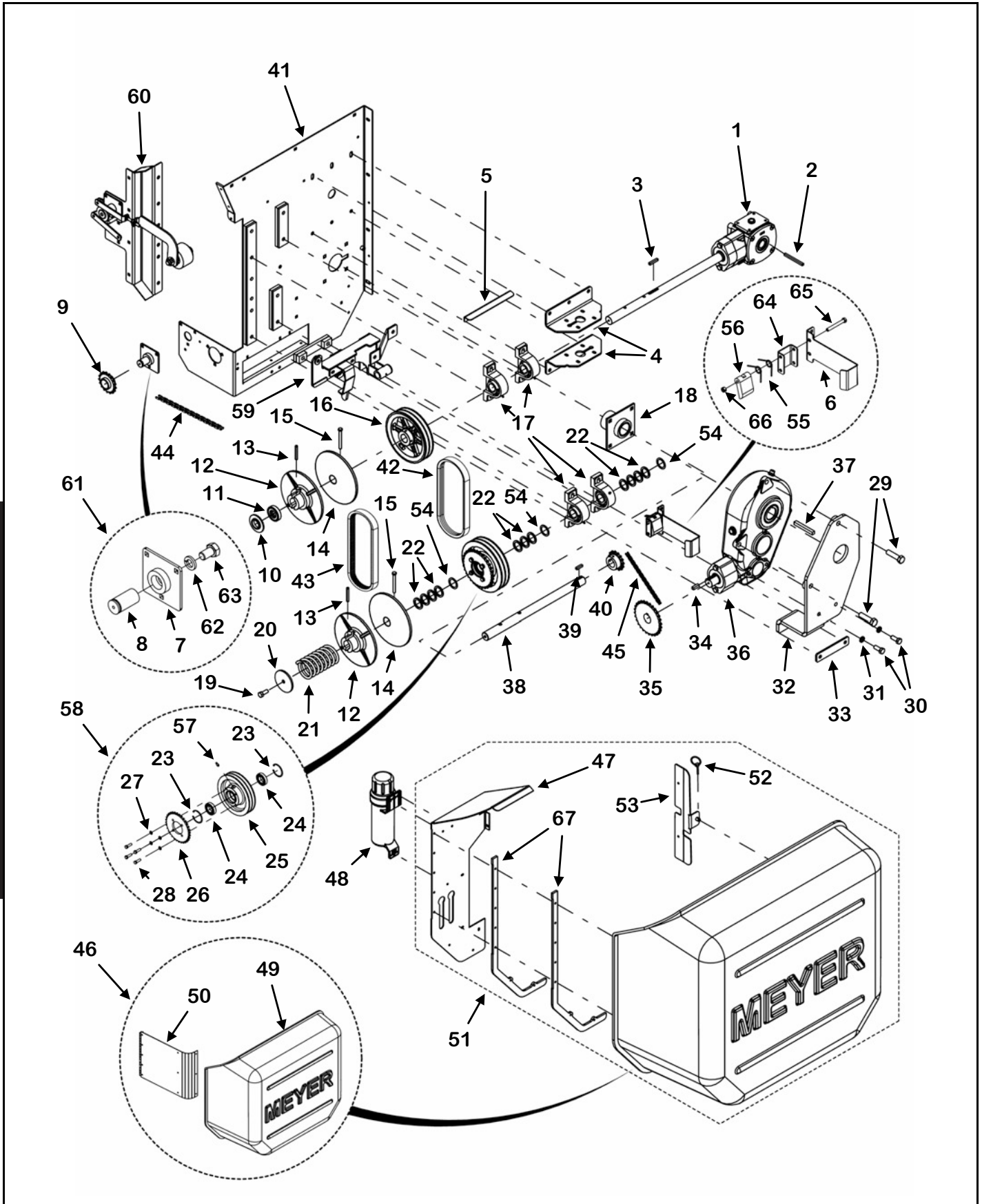


KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 150	1	3.1:1 Berma Auger Gearbox 1-1/4" Bore, 5/16" Keyway
2	135-3131-4-1	1	5/16" x 5/16" x 4" Square Key
3	135-3131-1.75-1	1	5/16" x 5/16" x 1-3/4" Square Key
4	25-0715-RH	2	Gearbox Mount Bracket
5	25-0855	1	Plastic Shield Top Support Bracket
6	25-0966	1	Chain Tightener Bracket
7	25-0787-3	1	Front Idler Bracket Weldment
8	25-0787-2	1	Front Chain Idler Shaft
9	10-0061	1	Idler Sprocket With Needle Bearing Assembly
10	33-0300	1	Thrust Bearing Washer 1.390" x 3" OD x 3/8"
11	14-0302	1	1-3/8" Thrust Bearing Shielded
12	12-0037	2	Variable Sheave Half Fixed
13	38-0019	2	3/8" x 2-1/2" Long Coiled Spring Pin
14	12-0038	2	Variable Sheave Half Fixed
15	881-3816-3.5Z	2	3/8"-16 x 3-1/2" Hex Head Cap Screw Grade 8
16	12-0029	1	8-3/4" Double Sheave, 1-3/8" Bore, 5/16" Keyway
17	914-3801	4	1-3/8" Pillow Block Bearing With Setscrew Lock
18	14-0309	1	Front Apron Bearing Welded Assembly With Bronze Bushing
	13-0029	1	Bronze Bushing
19	851-5013-1.25Z	1	1/2"-13 x 1-1/4" Grade 5 Machine Bolt
20	33-0304	1	Variable Speed Spring Washer Weldment
21	29-0027	1	Next Generation Variable Speed Spring
22	808-1.38-1.87-10	11	1.38" ID x 1.87" OD x .135" Machine Bushing
23	33-0302	2	2-1/2" Internal Snap Ring
24	14-0305	2	1-3/8" DRL Shield Steel Bearing 2-1/2" Outside Diameter
25	12-0036-1	1	Idler Pulley
26	110-50A32-2.75-1	1	50A32 Sprocket 2.752" Bore
27	806-0038-Z	4	3/8" Internal Tooth Lock Washer
28	851-3816-1.25Z	4	3/8"-16 x 1-1/4" Grade 5 Machine Bolt
29	851-M18-2.5-70-Z	2	M18-2.5 x 70mm Metric Hex Head Machine Bolt
30	851-M14-2.0-35-Z	2	M14-2.0 x 35mm Metric Hex Head Machine Bolt
31	822-M14-Z	1	M14 Split Lock Washer
32	25-0794	1	Torque Arm Weldment
33	39-0300-12	1	Torque Arm Retainer
34	35-0006	1	3/8" x 3/8" x 1-1/4" Square Key (Prior to 2018 Model Year)
35	See Page 108	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway, 3/8" Setscrews (Prior to 2018 Model Year)
	35-0006	1	3/8" x 3/8" x 1-1/4" Square Key (Prior to 2018 Model Year)
	See Page 108	1	Clutch Sprocket (2018 Model Year & Later)
	See Page 108	1	Bronze Bearing (2018 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE VARIABLE SPEED CLUSTER DRIVE (CONT'D)

RIGHT HAND DISCHARGE

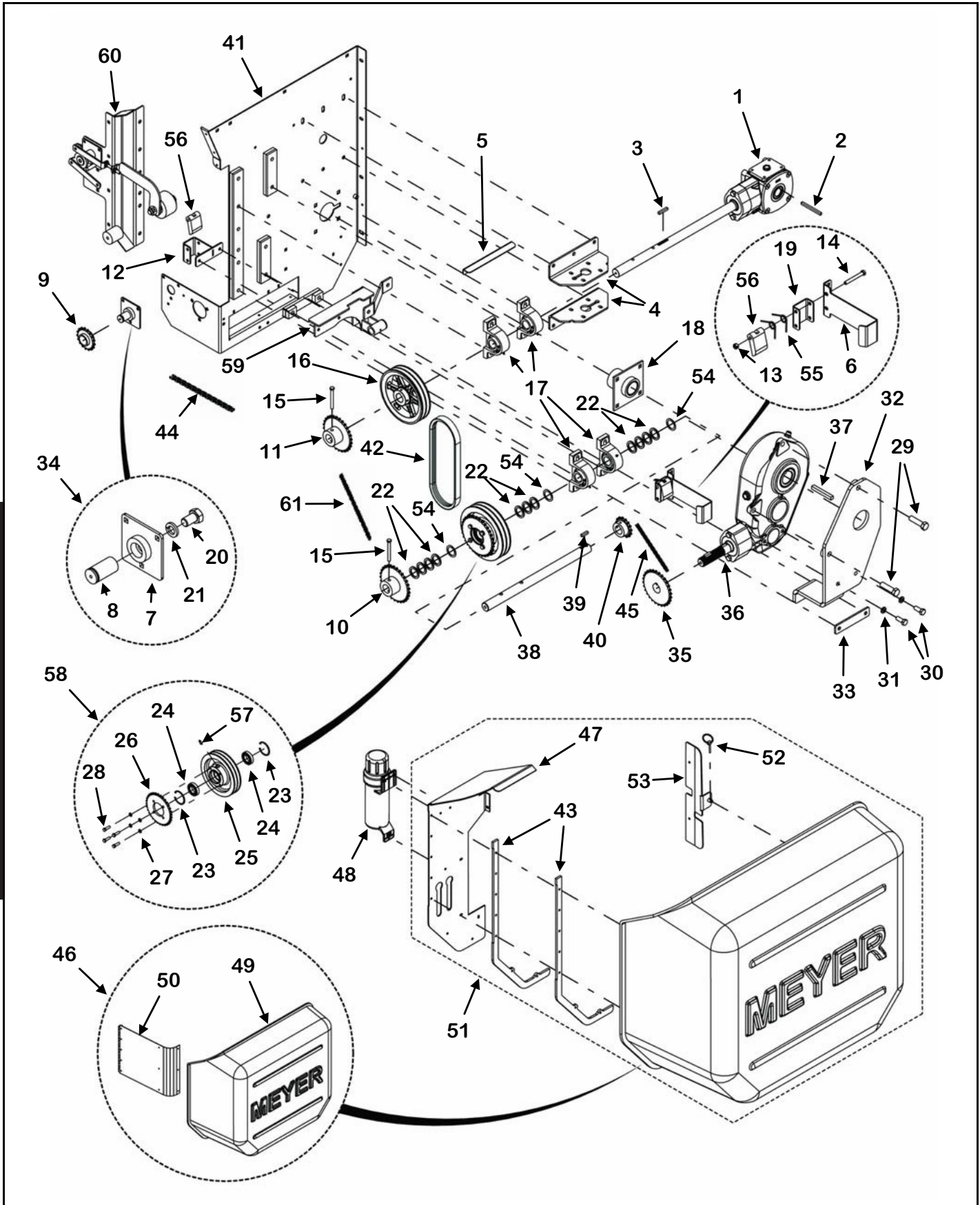


KEY	PART NUMBER	QTY	DESCRIPTION
36	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
37	See Page 120	1	1/2" x 1/2" x 4" Square Machine Key
38	23-0301	1	Idler Shaft
39	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened Key
40	110-50B15-1.38-1	1	50B15 1-3/8" Bore, 5/16" Keyway Sprocket, 5/16" Setscrews
41	See Page 92	1	Left Hand End Frame
42	49-0175	1	Double V-Belt
43	49-0314	1	Variable Speed Belt
44	111-0050-147	1	#50-147 Link Roller Chain Including Connector & Offset
45	11-0003	1	#50-47 Link Roller Chain Including Connector & Offset
46	24-0361	1	Plastic Shield Assembly With Hinge & Support Piece Right Hand Discharge
47	25-0976	1	Shield Mount Plate
48	33-0060	1	Manual Holder With Drilled Vent Hole
49	24-0361-1	1	Gearbox Plastic Shield Right Hand Discharge
50	24-0361-2	1	Plastic Shield Support Piece With Hinge
	24-0112-2	1	Plastic Cluster Door Hinge
51	24-0361-K	1	Plastic Shield Kit With Mount, Support Bracket With Hinge & Filler Bracket
52	823-0003	1	Lynch Pin
53	25-0977	1	Gearbox Shield Pin Bracket
54	808-1.38-1.87-16	2	1.38" ID x 1.87" OD x .060" Machine Bushing
55	29-0002	2	Torsion Spring Chain Tightener Spring
56	41-0002	1	3" Nylon Slide Chain Tightener Paddle
57	30-0003	1	1/4"-28 45° Grease Fitting
58	12-0036	1	Idler Pulley Assembly Complete With Bearings, Sprocket & Fasteners
59	See Page 106	1	Variable Speed Control Arm Mount Bracket Weldment
60	See Page 106	1	Independent Outfeed Clutch Tightener Arm Weldment
61	25-0787	1	Front Drive Chain Idler Assembly With Sprocket
62	822-0063-Z	1	5/8" Split Washer
63	881-6311-1Z	1	5/8"-11 x 1" Grade 8 Bolt
64	25-0047	1	Chain Tightener Bracket
65	851-3816-3Z	1	3/8"-16 x 3" Machine Bolt
66	814-3816-Z	1	3/8"-16 Indented Lock Nut
67	25-0987-1	2	Shield Mount Plate Spacer

RIGHT HAND DISCHARGE

RIGHT DISCHARGE SINGLE SPEED CLUSTER DRIVE

RIGHT HAND DISCHARGE

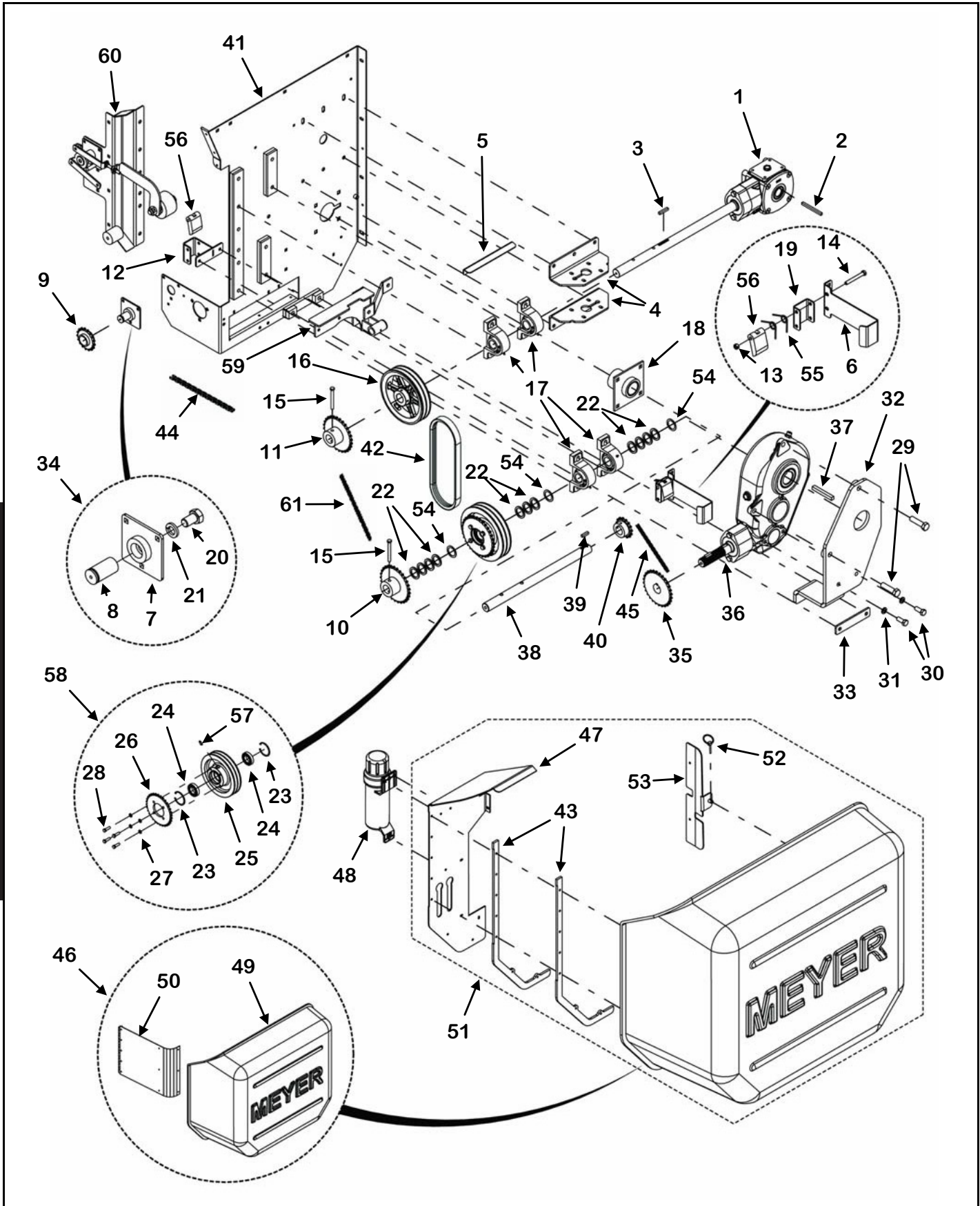


KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 150	1	3.1:1 Berma Auger Gearbox 1-1/4" Bore, 5/16" Keyway
2	135-3131-4-1	1	5/16" x 5/16" x 4" Square Key
3	135-3131-1.75-1	1	5/16" x 5/16" x 1-3/4" Square Key
4	25-0715-RH	2	Gearbox Mount Bracket
5	25-0855	1	Plastic Shield Top Support Bracket
6	25-0966	1	Chain Tightener Bracket
7	25-0787-3	1	Front Idler Bracket Weldment
8	25-0787-2	1	Front Chain Idler Shaft
9	10-0061	1	Idler Sprocket With Needle Bearing Assembly
10	110-50B29-1.38-1	1	50B29 1-3/8" Bore Sprocket
11	110-50B28-1.38-2	1	50B28 1-3/8" Bore Sprocket
12	25-0900-RH	1	Single Speed Chain Tightener Bracket Weldment
13	814-3816-Z	1	3/8"-16 Indented Lock Nut
14	851-3816-3Z	1	3/8"-16 x 3" Machine Bolt
15	881-3816-3.5Z	2	3/8"-16 x 3-1/2" Hex Head Cap Screw Grade 8
16	12-0029	1	8-3/4" Double Sheave, 1-3/8" Bore, 5/16" Keyway
17	914-3801	4	1-3/8" Pillow Block Bearing With Setscrew Lock
18	14-0309	1	Front Apron Bearing Welded Assembly With Bronze Bushing
	13-0029	1	Bronze Bushing
19	25-0047	1	Chain Tightener Bracket
20	881-6311-1Z	1	5/8"-11 x 1" Grade 8 Bolt
21	822-0063-Z	1	5/8" Split Washer
22	808-1.38-1.87-10	11	1.38" ID x 1.87" OD x .135" Machine Bushing
23	33-0302	2	2-1/2" Internal Snap Ring
24	14-0305	2	1-3/8" DRL Shield Steel Bearing 2-1/2" OD
25	12-0036-1	1	Idler Pulley
26	110-50A32-2.75-1	1	50A32 Sprocket 2.752" Bore
27	806-0038-Z	4	3/8" Internal Tooth Lock Washer
28	851-3816-1.25Z	4	3/8"-16 x 1-1/4" Grade 8 Machine Bolt
29	851-M18-2.5-70-Z	2	M18-2.5 x 70mm Metric Hex Head Machine Bolt
30	851-M14-2.0-35-Z	2	M14-2.0 x 35mm Metric Hex Head Machine Bolt
31	822-M14-Z	2	M14 Split Lock Washer
32	25-0794	1	Torque Arm Weldment
33	39-0300-12	1	Torque Arm Retainer
34	25-0787	1	Front Drive Chain Idler Assembly With Sprocket
35	See Page 108	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway, 3/8" Setscrews (Prior to 2018 Model Year)
	35-0006	1	3/8" x 3/8" x 1-1/4" Square Key (Prior to 2018 Model Year)
	See Page 108	1	Clutch Sprocket (2018 Model Year & Later)
	See Page 108	1	Bronze Bearing (2018 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE SINGLE SPEED CLUSTER DRIVE (CONT'D)

RIGHT HAND DISCHARGE

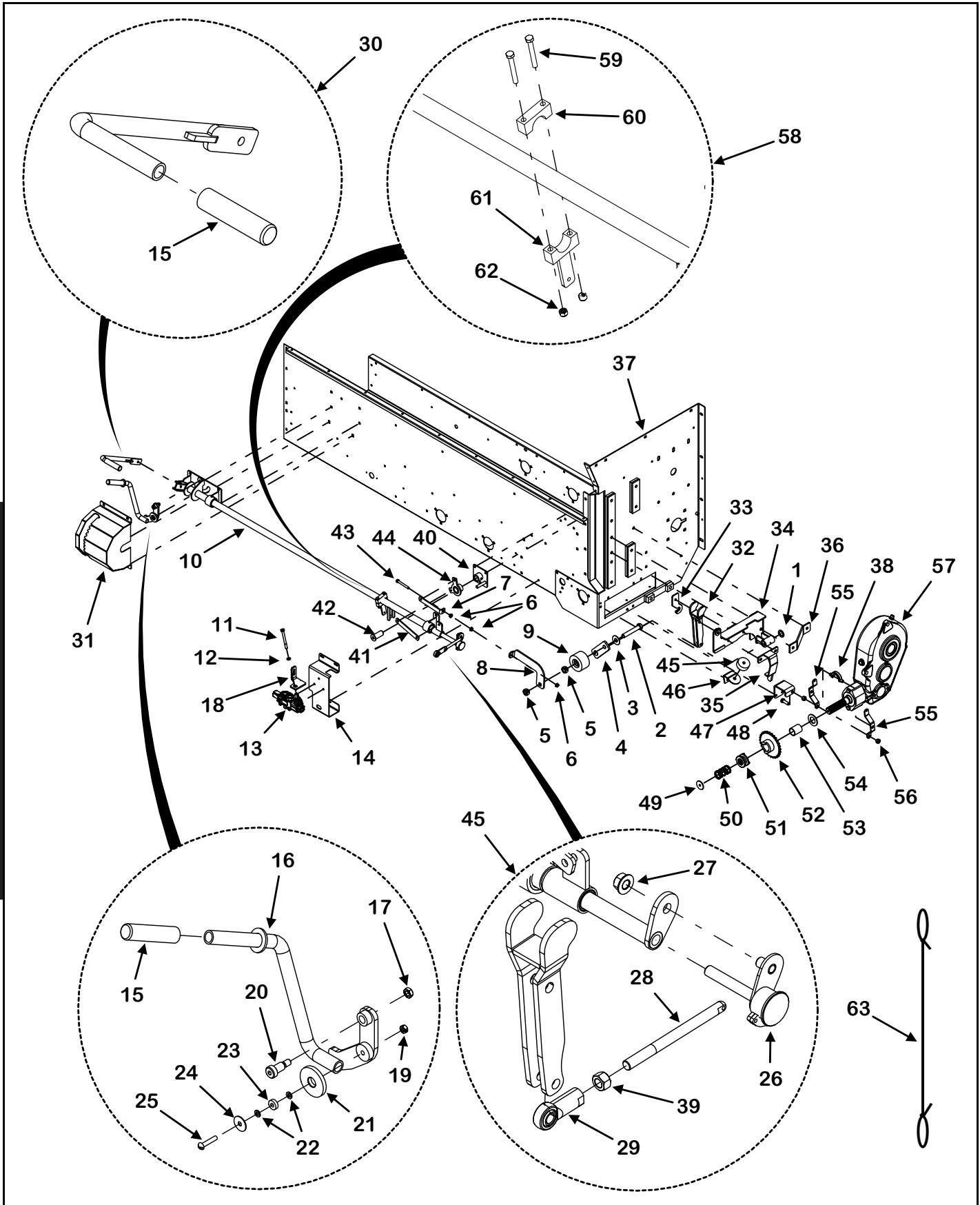


KEY	PART NUMBER	QTY	DESCRIPTION
36	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
37	See Page 120	1	1/2" x 1/2" x 4" Square Machine Key
38	23-0301	1	Idler Shaft
39	35-0030-H	1	5/16" x 5/16" x 1-1/4" Through Hardened Key
40	110-50B15-1.38-1	1	50B15 1-3/8" Bore, 5/16" Keyway Sprocket, 5/16" Setscrews
41	See Page 92	1	Right Hand End Frame
42	49-0175	1	Double V-Belt
43	25-0987-1	2	Shield Mount Plate Spacer
44	111-0050-147	1	#50-147 Link Roller Chain Including Connector & Offset
45	11-0003	1	#50-47 Link Roller Chain Including Connector & Offset
46	24-0361	1	Plastic Shield Assembly With Hinge & Support Piece Right Hand Discharge
47	25-0976	1	Shield Mount Plate
48	33-0060	1	Manual Holder With Drilled Vent Hole
49	24-0361-1	1	Gearbox Plastic Shield Right Hand Discharge
50	24-0361-2-1	1	Plastic Shield Support Piece With Hinge
	24-0112-2	1	Plastic Cluster Door Hinge
51	24-0361-K	1	Plastic Shield Kit With Mount, Support Bracket With Hinge & Filler Bracket
52	823-0003	1	Lynch Pin
53	25-0977	1	Gearbox Shield Pin Bracket
54	808-1.38-1.87-16	2	1.38" ID x 1.87" OD x .060" Machine Bushing
55	29-0002	2	Torsion Spring Chain Tightener Spring
56	41-0002	1	3" Nylon Slide Chain Tightener Paddle
57	30-0003	1	1/4"-28 45° Grease Fitting
58	12-0036	1	Idler Pulley Assembly Complete With Bearings, Sprocket & Fasteners
59	See Page 110	1	Variable Speed Control Arm Mount Bracket Weldment
60	See Page 110	1	Independent Outfeed Clutch Tightener Arm Weldment
61	111-0050-77	1	#50-77 Link Roller Chain Including Connector & Offset

RIGHT HAND DISCHARGE

RIGHT DISCHARGE VARIABLE SPEED SHIFTER CONTROLS

RIGHT HAND DISCHARGE

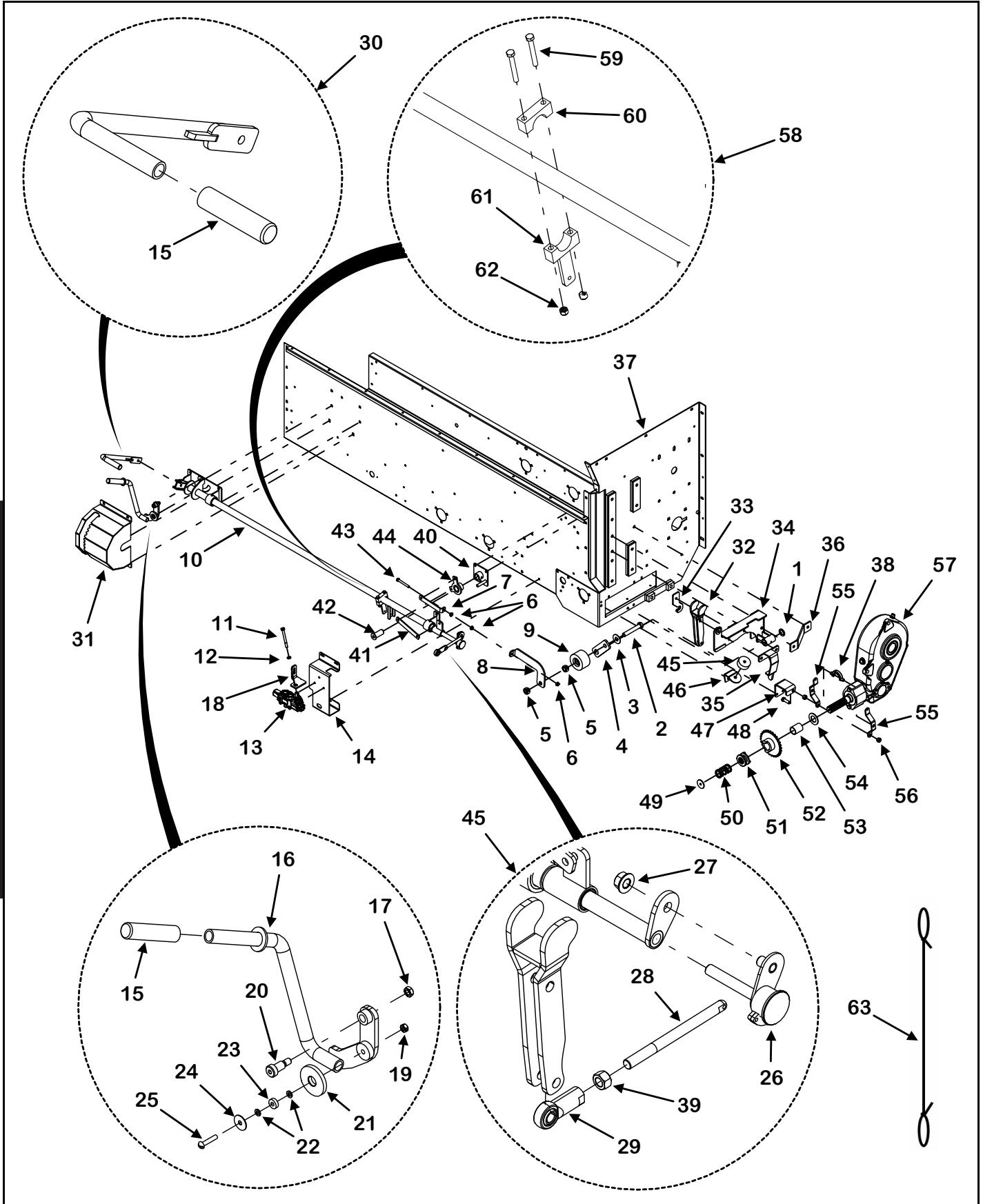


KEY	PART NUMBER	QTY	DESCRIPTION
1	808-1-1.5-10-Z	1	Bushing
2	851-7510-4.5Z	1	3/4"-10 x 4-1/2" Machine Bolt
3	805-0075-Z	1	3/4" Flat Washer
4	16-0307	1	Idler Tensioner Assembly
5	814-7510-Z	2	3/4"-10 Indented Lock Nut
6	810-3816-Z	3	3/8" Spin Lock Nut
7	16-0320	1	Tightener Arm Linkage
8	16-0312	1	Tightener Arm Linkage
9	912-0002-1	1	2" Snugulator
10	16-0300-RH	1	Speed Control Welded Assembly
11	851-M10-1.5-100-Z	1	M10-1.5 x 100mm Metric Hex Head Machine Bolt
12	826-M10-1.5Z	1	M10-1.5 Hex Jam Nut
13	155-DCV-DF10-1	1	3-Way 2-Position Control Valve With Lever Control Less Handle
14	25-0830-1-RH	1	Hydraulic Selector Valve Mount Bracket
15	51-0003	2	7/8" ID Rubber Grip
16	16-0314-RH	1	Independent Outfeed Clutch Handle Weldment With Grip
17	826-3816-Z	1	3/8"-16 Jam Nut
18	25-0831-RH	1	Valve Linkage Right Hand
19	814-2520-Z	1	1/4"-20 Indented Lock Nut
20	834-.50-.75-SS	1	1/2" Shoulder x 3/4" x 3/8"-16 Socket Shoulder Bolt, Stainless Steel, 5/8" Long Thread
21	16-0304-6	1	Shifter Roller
22	805-M6Z	2	M6 Flat Washer
23	14-0311	1	1/4" ID x 5/8" OD Single Row Double Shield Radial Ball Bearing
24	804-0025-Z	1	1/4" Fender Washer
25	802-2520-1.25Z	1	1/4"-20 x 1-1/4" Stove Bolt
26	25-0921-RH	1	Variable Control Weldment
27	810-5013-Z	1	1/2" Spin Lock Nut
28	42-0021-1	1	Fine Threaded Spade Bolt
	11-0090	1	#40-5 Link Roller Chain Link Each End
	11-0047	1	#40 Connector Roller Link
29	16-0027	1	1/2" Swivel Eyelet
30	16-0316	1	Variable Handle Weldment
31	25-0706-RH	1	Speed Control Handle Selector Bracket Weldment
32	25-0920	1	Control Arm Bracket Weldment
	851-5013-2Z	1	1/2"-13 x 2" Machine Bolt
	814-5013-Z	1	1/2"-13 Indented Lock Nut
33	25-0736	1	Control Rod Bearing Mount Welded Assembly
34	25-0789	1	Variable Speed Control Arm Mount Bracket Weldment
35	25-0805-RH	1	Belt Deflector Welded Assembly
36	25-0704-3-RH	1	Variable Speed Control Arm Mount Plate Brace

RIGHT HAND DISCHARGE

RIGHT DISCHARGE VARIABLE SPEED SHIFTER CONTROLS (CONT'D)

RIGHT HAND DISCHARGE

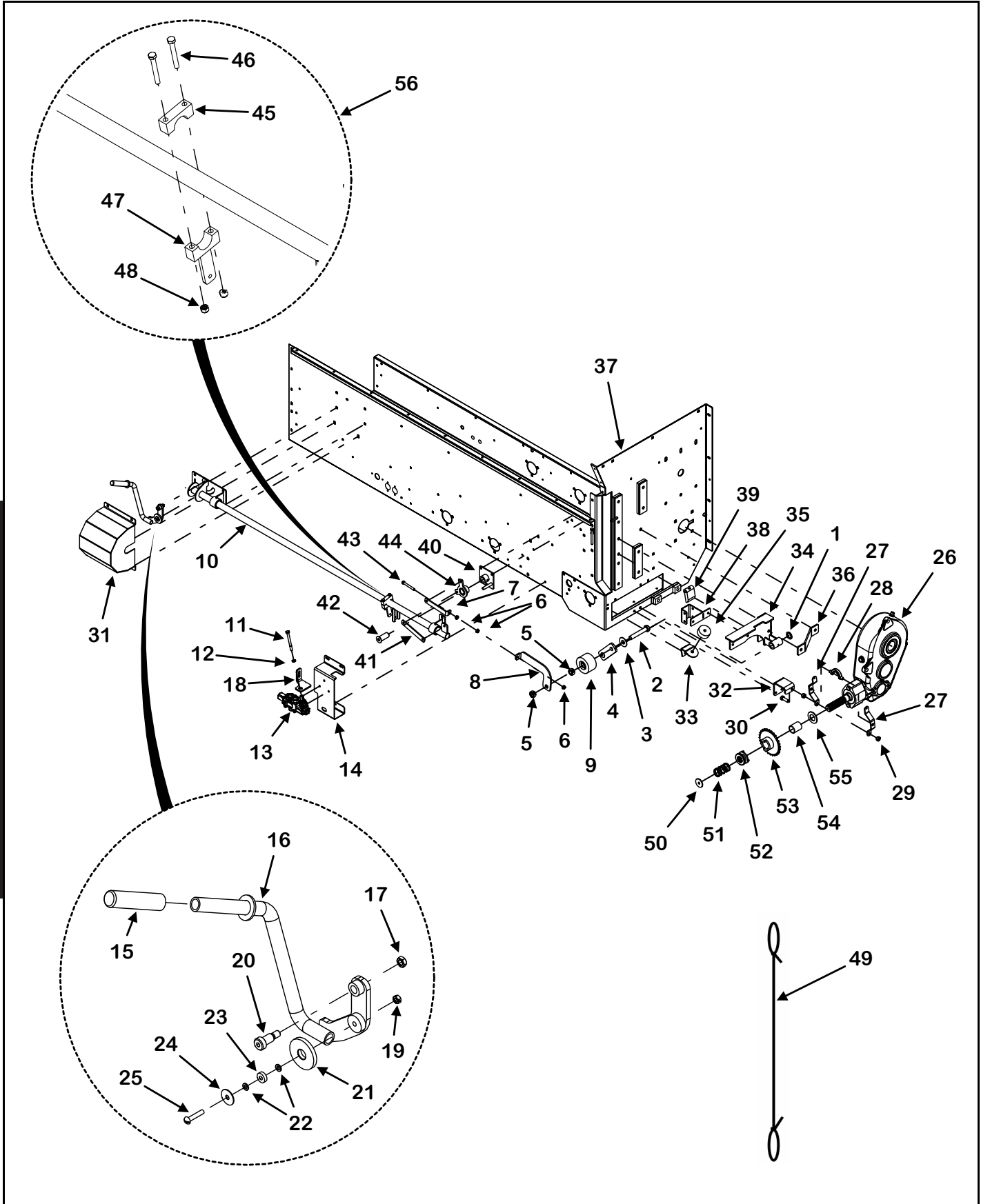


KEY	PART NUMBER	QTY	DESCRIPTION
37	See Page 92	1	Right Discharge Unit Frame
38	21-0001	1	Clutch Shifter Brass Collar With Zerk (2018 Model Year & Later)
39	813-5020-Z	1	1/2"-20 Nut
40	25-0788	1	Idler Tensioner Welded Assembly
41	16-0311	1	Tightener Arm Linkage
42	25-0702	1	Pivot Sleeve Pin Weldment
43	830-3816-3Z	1	3/8"-16 x 3" Tap Bolt
44	16-0319	1	Pivot Sleeve Linkage Arm Welded Assembly
45	33-0313	1	Throwout Clutch Pulley (2018 Model Year & Later)
46	25-0937	1	Throwout Clutch Pulley Mount (2018 Model Year & Later)
47	25-0931	1	Clutch Mount Bracket (2018 Model Year & Later)
48	851-5013-1.5Z	1	1/2"-13 x 1-1/2" Machine Bolt (2018 Model Year & Later)
49	33-0312	1	Input Shaft End Cap (2018 Model Year & Later)
50	29-0034	1	Compression Spring (2018 Model Year & Later)
51	15-0300	1	Jaw Clutch Splined, Pie Shaped (2018 Model Year & Later)
52	110-50B28-1.50-1	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway, 3/8" Setscrews (Prior to 2018 Model Year)
	110-50C28-1.63-1	1	50C28 1.63" Bore Clutch Sprocket (2018 Model Year & Later)
53	13-0300	1	Bronze Bearing (2018 Model Year & Later)
54	33-0311	1	Input Washer (2018 Model Year & Later)
55	17-0300	2	Apron Clutch Shifter Yoke (2018 Model Year & Later)
56	814-5013-Z	2	1/2" Indented Lock Nut (2018 Model Year & Later)
57	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
58	25-0936	1	Throwout Clutch Control Mount Assembly (2018 Model Year & Later)
59	851-3118-2.5Z	2	5/16"-18 x 2-1/2" Machine Bolt (2018 Model Year & Later)
60	25-0936-1-1	1	Throwout Clutch Control Cap (2018 Model Year & Later)
61	25-0936-1	1	Throwout Clutch Control Mount Weldment (2018 Model Year & Later)
62	815-3118-Z	2	5/16"-18 Nylon Insert Lock Nut (2018 Model Year & Later)
63	36-0006	3.5'	3/32" Uncoated Cable (Per Foot) (2018 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE SINGLE SPEED SHIFTER CONTROLS

RIGHT HAND DISCHARGE

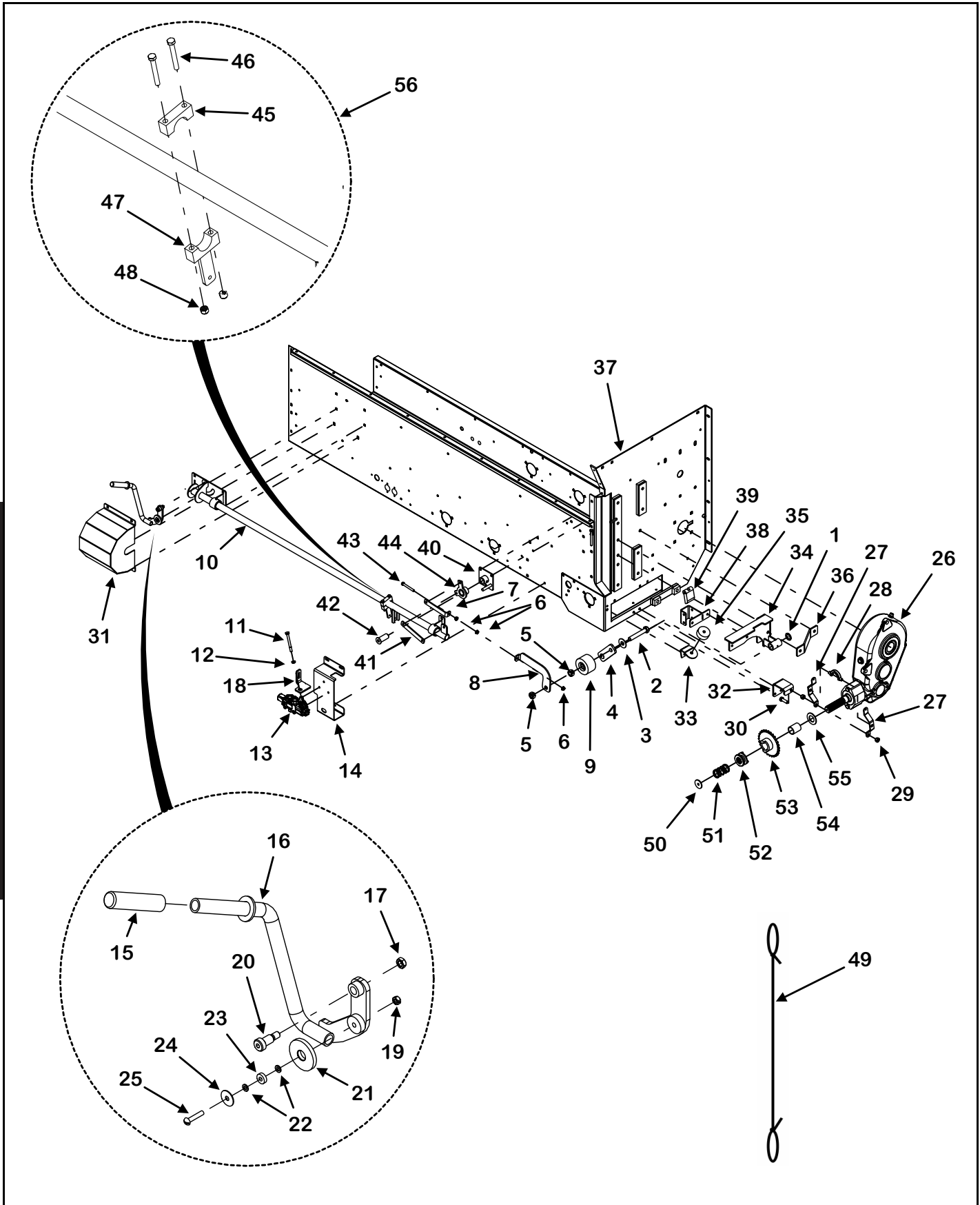


KEY	PART NUMBER	QTY	DESCRIPTION
1	808-1-1.5-10-Z	1	Bushing
2	851-7510-4.5Z	1	3/4"-10 x 4-1/2" Machine Bolt
3	805-0075-Z	1	3/4" Flat Washer
4	16-0307	1	Idler Tensioner Assembly
5	814-7510-Z	2	3/4"-10 Indented Lock Nut
6	810-3816-Z	3	3/8" Spin Lock Nut
7	16-0320	1	Tightener Arm Linkage
8	16-0312	1	Tightener Arm Linkage
9	912-0002-1	1	2" Snugulator
10	16-0318-RH	1	Single Speed Control Welded Assembly
11	851-M10-1.5-100-Z	1	M10-1.5 x 100mm Metric Hex Head Machine Bolt
12	826-M10-1.5Z	1	M10-1.5 Hex Jam Nut
13	155-DCV-DF10-1	1	3-Way 2-Position Control Valve With Lever Control Less Handle
14	25-0830-1-RH	1	Hydraulic Selector Valve Mount Bracket
15	51-0003	2	7/8" ID Rubber Grip
16	16-0314-RH	1	Independent Outfeed Clutch Handle Weldment With Grip
17	826-3816-Z	1	3/8"-16 Jam Nut
18	25-0831-RH	1	Valve Linkage Right Hand
19	814-2520-Z	1	1/4"-20 Indented Lock Nut
20	834-.50-.75-SS	1	1/2" Shoulder x 3/4" x 3/8"-16 Socket Shoulder Bolt, Stainless Steel, 5/8" Long Thread
21	16-0304-6	1	Shifter Roller
22	805-M6Z	2	M6 Flat Washer
23	14-0311	1	1/4" ID x 5/8" OD Single Row Double Shield Radial Ball Bearing
24	804-0025-Z	1	1/4" Fender Washer
25	802-2520-1.25Z	1	1/4"-20 x 1-1/4" Stove Bolt
26	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
27	17-0300	2	Apron Clutch Shifter Yoke (2018 Model Year & Later)
28	21-0001	1	Clutch Shifter Brass Collar With Zerk (2018 Model Year & Later)
29	814-5013-Z	2	1/2" Indented Lock Nut (2018 Model Year & Later)
30	851-5013-1.5Z	1	1/2"-13 x 1-1/2" Machine Bolt (2018 Model Year & Later)
31	25-0899-RH	1	Speed Control Handle Selector Bracket Weldment
32	25-0931	1	Clutch Mount Bracket (2018 Model Year & Later)
33	25-0937	1	Throwout Clutch Pulley Mount (2018 Model Year & Later)
34	25-0963	1	Single Speed Control Arm Mount Bracket Weldment
35	33-0313	1	Throwout Clutch Pulley (2018 Model Year & Later)
36	25-0704-3-RH	1	Control Arm Mount Plate Brace
37	See Page 92	1	Right Discharge Unit Frame
38	25-0900-RH	1	Chain Tightener Bracket Weldment

RIGHT HAND DISCHARGE

RIGHT DISCHARGE SINGLE SPEED SHIFTER CONTROLS (CONT'D)

RIGHT HAND DISCHARGE

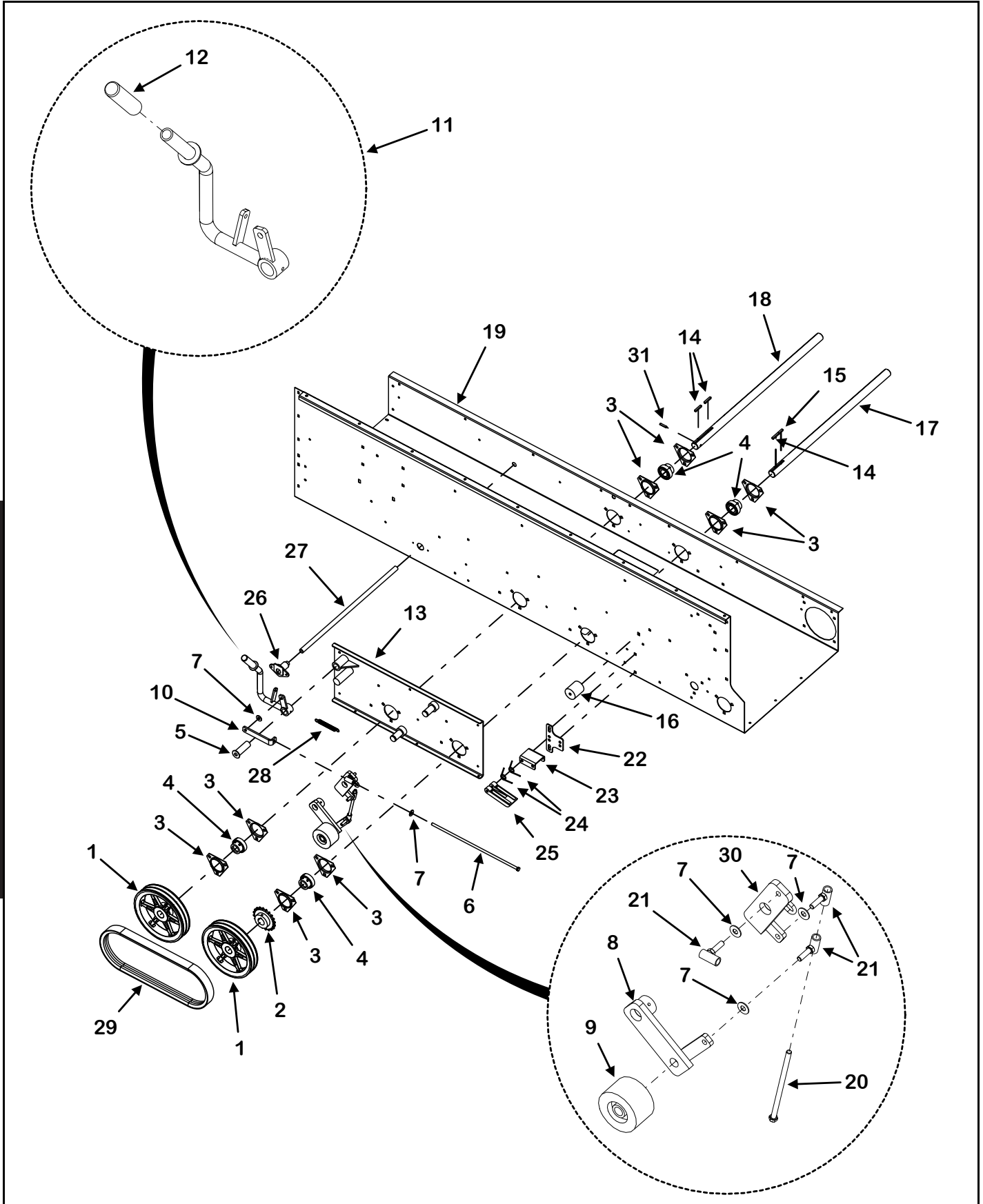


KEY	PART NUMBER	QTY	DESCRIPTION
39	41-0002	1	3" Nylon Slide Chain Tightener Paddle
40	25-0788	1	Idler Tensioner Welded Assembly
41	16-0311	1	Tightener Arm Linkage
42	25-0702	1	Pivot Sleeve Pin Weldment
43	830-3816-3Z	1	3/8"-16 x 3" Tap Bolt
44	16-0319	1	Pivot Sleeve Linkage Arm Welded Assembly
45	25-0936-1-1	1	Throwout Clutch Control Cap (2018 Model Year & Later)
46	851-3118-2.5Z	2	5/16"-18 x 2-1/2" Machine Bolt (2018 Model Year & Later)
47	25-0936-1	1	Throwout Clutch Control Mount Weldment (2018 Model Year & Later)
48	815-3118-Z	2	5/16"-18 Nylon Insert Lock Nut (2018 Model Year & Later)
49	36-0006	3.5'	3/32" Uncoated Cable (Per Foot) (2018 Model Year & Later)
50	33-0312	1	Input Shaft End Cap (2018 Model Year & Later)
51	29-0034	1	Compression Spring (2018 Model Year & Later)
52	15-0300	1	Jaw Clutch Splined, Pie Shaped (2018 Model Year & Later)
53	110-50B28-1.50-1	1	50B28 1-1/2" Bore Sprocket, 3/8" Keyway, 3/8" Setscrews (Prior to 2018 Model Year)
	110-50C28-1.63-1	1	50C28 1.63" Bore Clutch Sprocket (2018 Model Year & Later)
54	13-0300	1	Bronze Bearing (2018 Model Year & Later)
55	33-0311	1	Input Washer (2018 Model Year & Later)
56	25-0936	1	Throwout Clutch Control Mount Assembly (2018 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE INDEPENDENT OUTFEED CLUTCH DRIVE

RIGHT HAND DISCHARGE

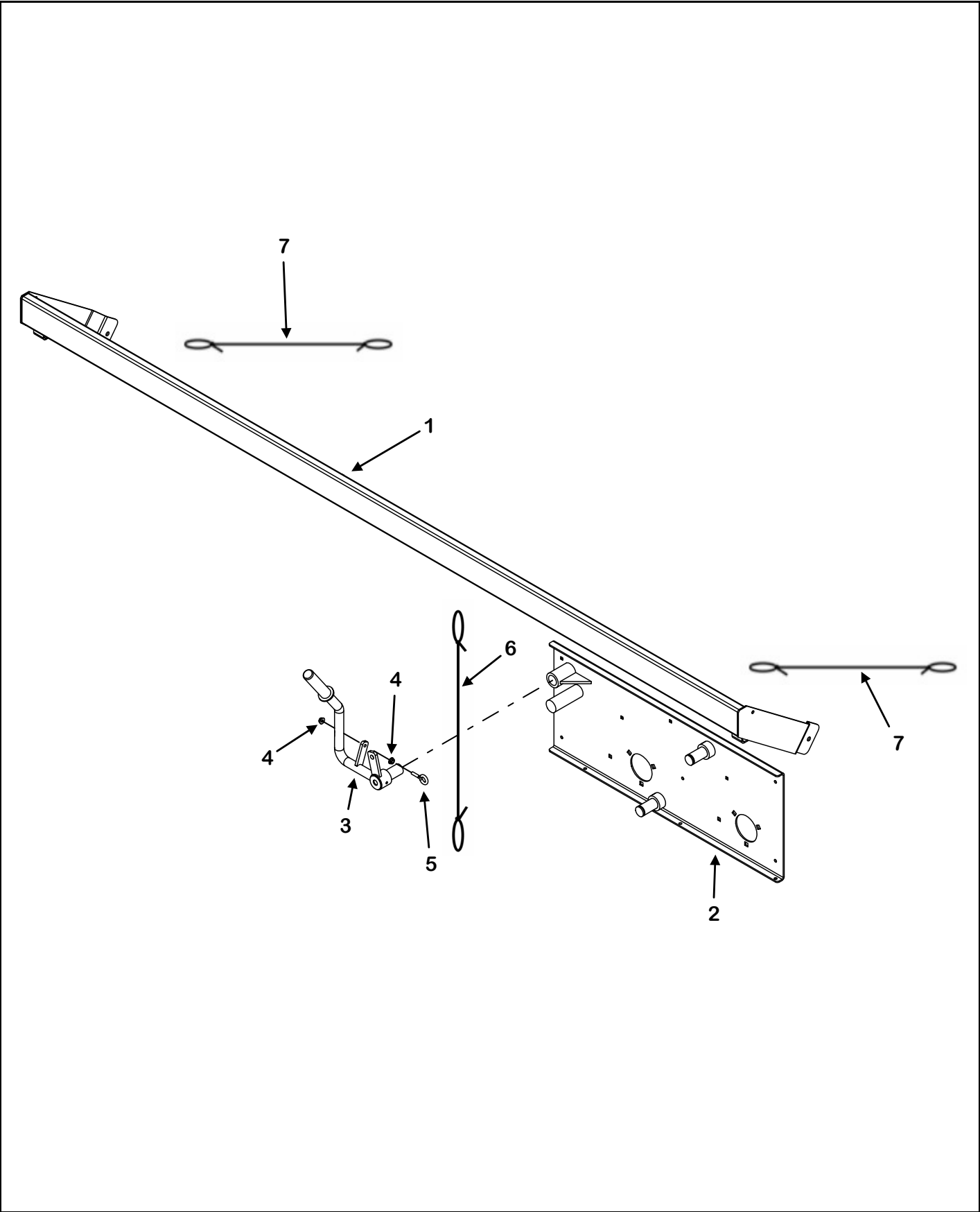


KEY	PART NUMBER	QTY	DESCRIPTION
1	12-0028	2	9-3/4" Double Pulley 1-1/4" Bore 1/4" Keyway
2	110-50B20-1.25-1	1	50B20 1-1/4" Bore, 1/4" Keyway Sprocket, 5/16" Setscrews
3	14-0002-2	8	1-1/4" Bearing Flange
4	14-0002-3	4	1-1/4" Bearing With Lock Collar
	14-0002	4	1-1/4" Bearing Assembly With Flanges
5	25-0279	1	Independent Outfeed Clutch Handle Pivot Shaft Weldment
6	801-3816-17	1	3/8"-16 x 17" Hex Cap Screw
7	805-0038-Z	2	3/8" Flat Washer
8	25-0260-4	1	Clutch Tightener Arm Weldment
9	912-0002-1	1	2" Snugulator
10	25-0268-1	1	Independent Outfeed Clutch Linkage Extension
11	16-0313-RH	1	Independent Outfeed Clutch Shifting Handle Weldment With Grip
12	51-0003	1	7/8" ID Rubber Grip
13	25-0700-RH	1	Independent Outfeed Clutch Main Clutch Plate Weldment
14	35-0012	3	1/4" x 1/4" x 1-1/2" Square Key (Additional Key For Hydraulic Drive Units)
15	135-2525-1-1	1	1/4" x 1/4" x 1" Square Machine Key
16	41-0301	1	Chain Guide
17	23-0307	1	Independent Outfeed Clutch Idler Shaft
18	23-0306	1	Independent Outfeed Clutch Center Drive Shaft
19	See Page 92	1	Apron Pan
20	801-3816-7.5	1	3/8"-16 x 7-1/2" Bolt
21	16-0041	3	Independent Outfeed Clutch Linkage Pivot Sleeve Weldment
22	25-0709-RH	1	Chain Tightener Mount Bracket
23	25-0047	1	Chain Tightener Bracket
24	29-0002	2	Torsion Spring Chain Tightener
25	41-0001	1	5" Nylon Slide Chain Tightener Paddle
26	See Page 146	1	4-Way Socket
27	See Page 146	1	Light Wire Tube
28	29-0005	1	Spring
29	49-0175	1	Double V-Belt
30	25-0791	1	Belt Tensioner Pivot Assembly
31	38-0015	1	PTO Roll Pin

RIGHT HAND DISCHARGE

RIGHT DISCHARGE EMERGENCY STOP SYSTEM

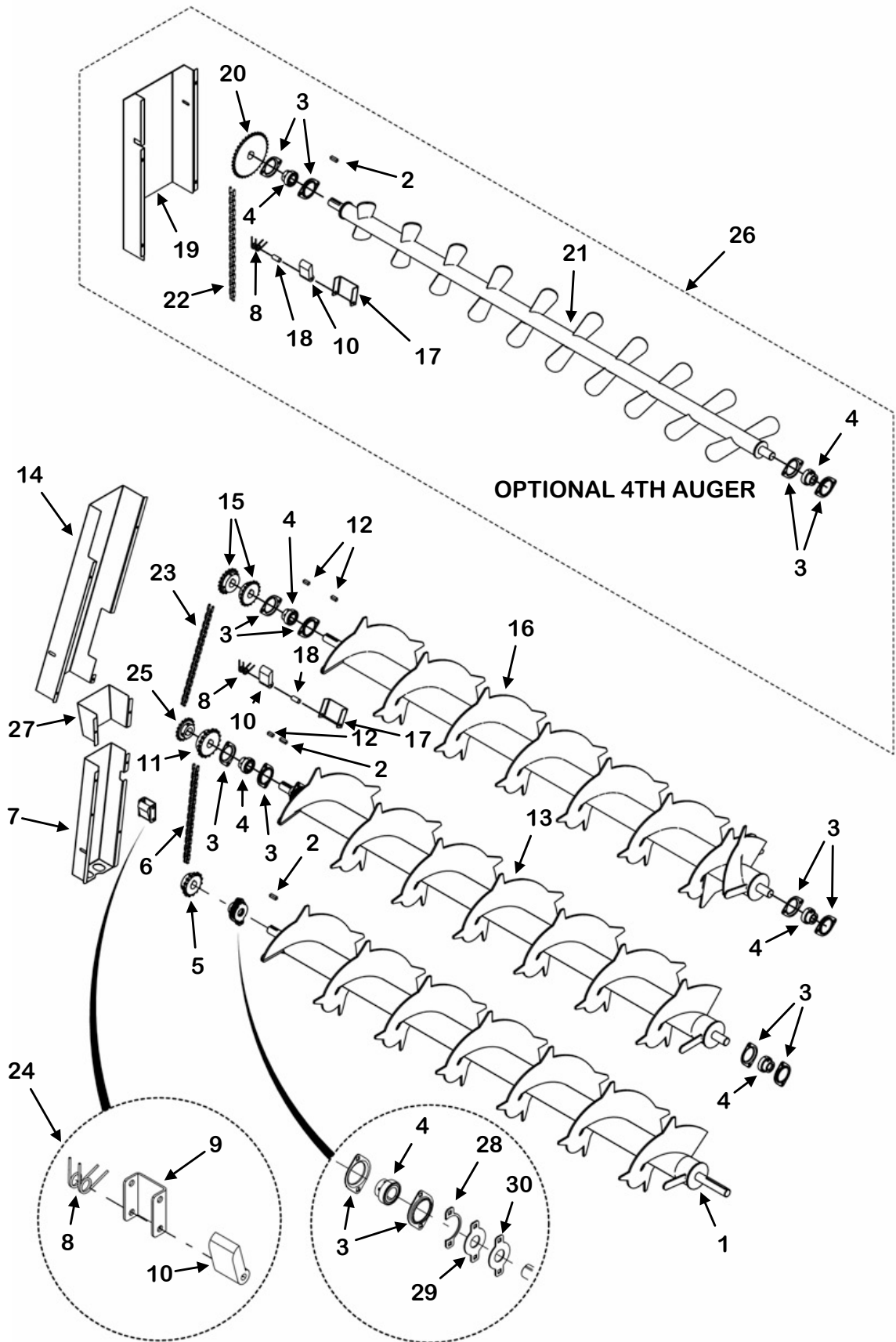
RIGHT HAND DISCHARGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	16-0305-RH	1	Emergency Stop Control Bar Welded Assembly
2	See Page 114	1	Independent Outfeed Clutch Main Clutch Plate Weldment
3	See Page 114	1	Independent Outfeed Clutch Shifting Handle Weldment With Grip
4	810-2520-Z	2	1/4" Spin Lock Nut
5	811-2520-1Z	1	1/4"-20 x 1" Eyebolt 2" Overall With 1" Shank
6	36-0002	1	Emergency Stop Front Cable With Clamps
7	33-0048	2	3/32" Thimble System Item
	36-0006	18'	3/32" Uncoated Cable (RT216) (Per Foot Per Side)
		19'	3/32" Uncoated Cable (RT218) (Per Foot Per Side)
		20'	3/32" Uncoated Cable (RT/RTX220) (Per Foot Per Side)
		21'	3/32" Uncoated Cable (RT/RTX222) (Per Foot Per Side)
		25.75'	3/32" Uncoated Cable (RTX224) (Per Foot Per Side)
	27.75'	3/32" Uncoated Cable (RTX226) (Per Foot Per Side)	
36-0007	4	3/32" Aluminum Crimp Clamp	

RIGHT DISCHARGE AUGERS AND AUGER DRIVE

RIGHT HAND DISCHARGE

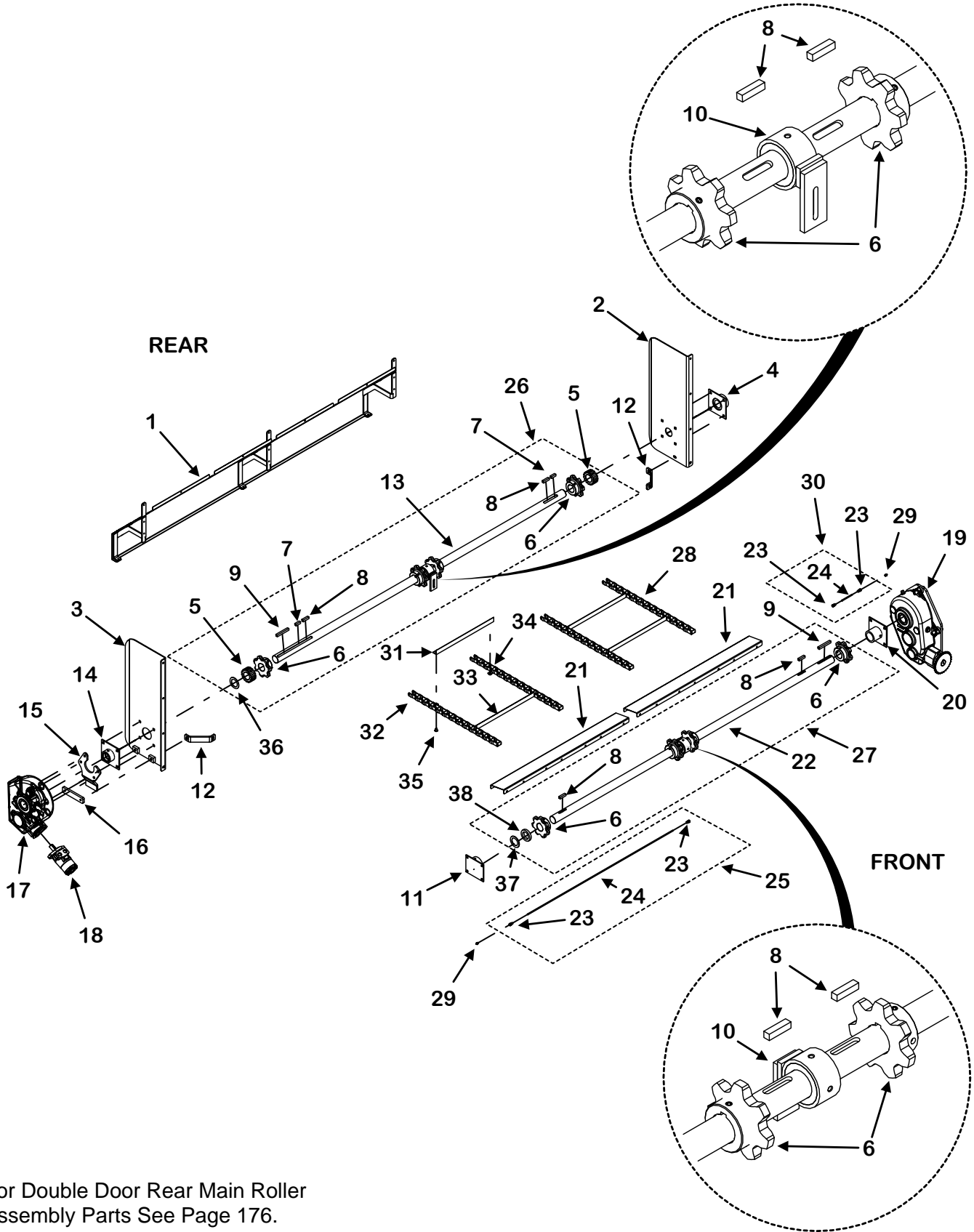


KEY	PART NUMBER	QTY	DESCRIPTION
1	26-0300-RH	1	Bottom Auger Assembly
2	35-0006	2/3	3/8" x 3/8" x 1-1/4" Square Key
3	14-0003-2	10/14	1-1/4" Bearing Flange
4	14-0002-3	5/7	1-1/4" Bearing With Lock Collar
5	10-0095	1	60B15 1-1/4" Bore 3/8" Keyway Sprocket
6	111-0060-82	1	#60-82 Roller Chain Including Connector
7	24-0319-RH	1	1st/2nd Auger Shield Complete
8	29-0002	4/6	Torsion Spring Chain Tightener Spring
9	25-0047	1	Auger Chain Tightener Bracket
10	41-0002	2/3	3" Nylon Slide Chain Tightener Paddle
11	110-60B18-1.25-1	1	60B18 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
12	135-3838-1-1	3	3/8" x 3/8" x 1" Square Machine Key
13	26-0301-RH	1	2nd Auger Assembly
14	24-0322-RH	1	2nd/3rd Auger Shield
15	110-50B19-1.25-1	2	50B19 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
16	26-0303	1	3rd Auger Assembly
17	41-0023-1	1/2	2nd/3rd Auger Bracket (Welded On)
18	43-0018	1/2	Tightener Bracket Tube Spacer
19	24-0323	1	3rd/4th Auger Shield Complete (Prior to SN 17R2279)
	24-0362	1	3rd/4th Auger Shield Complete (SN 17R2279 & Later)
20	10-0009	1	50B36 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
21	26-0304	1	4th Auger Welded Assembly
22	111-0050-90	1	#50-90 Roller Chain Including Connector (Prior to SN 17R2279)
	11-0029	1	#50-93 Roller Chain Including Connector (SN 17R2279 & Later)
23	111-0050-98	1	#50-98 Roller Chain Including Connector
24	41-0009	1	1st/2nd Auger Chain Tightener Assembly
25	10-0012	1	50B17 1-1/4" Bore 3/8" Keyway Sprocket 3/8" Setscrews
26	RTX-4A-KIT	1	4th Auger Kit (Prior to SN 17R2279)
	RTX-4A-6B-KIT	1	4th Auger Kit (SN 17R2279 & Later)
27	24-0319	1	1st/2nd Auger Shield Complete
28	14-0318	1	Lower Auger Bearing Seal Spacer
29	14-0319	1	Lower Auger Bearing Seal
30	14-0320	1	Lower Auger Bearing Seal Cover

RIGHT HAND DISCHARGE

RIGHT DISCHARGE MAIN APRON DRIVE SYSTEM

RIGHT HAND DISCHARGE



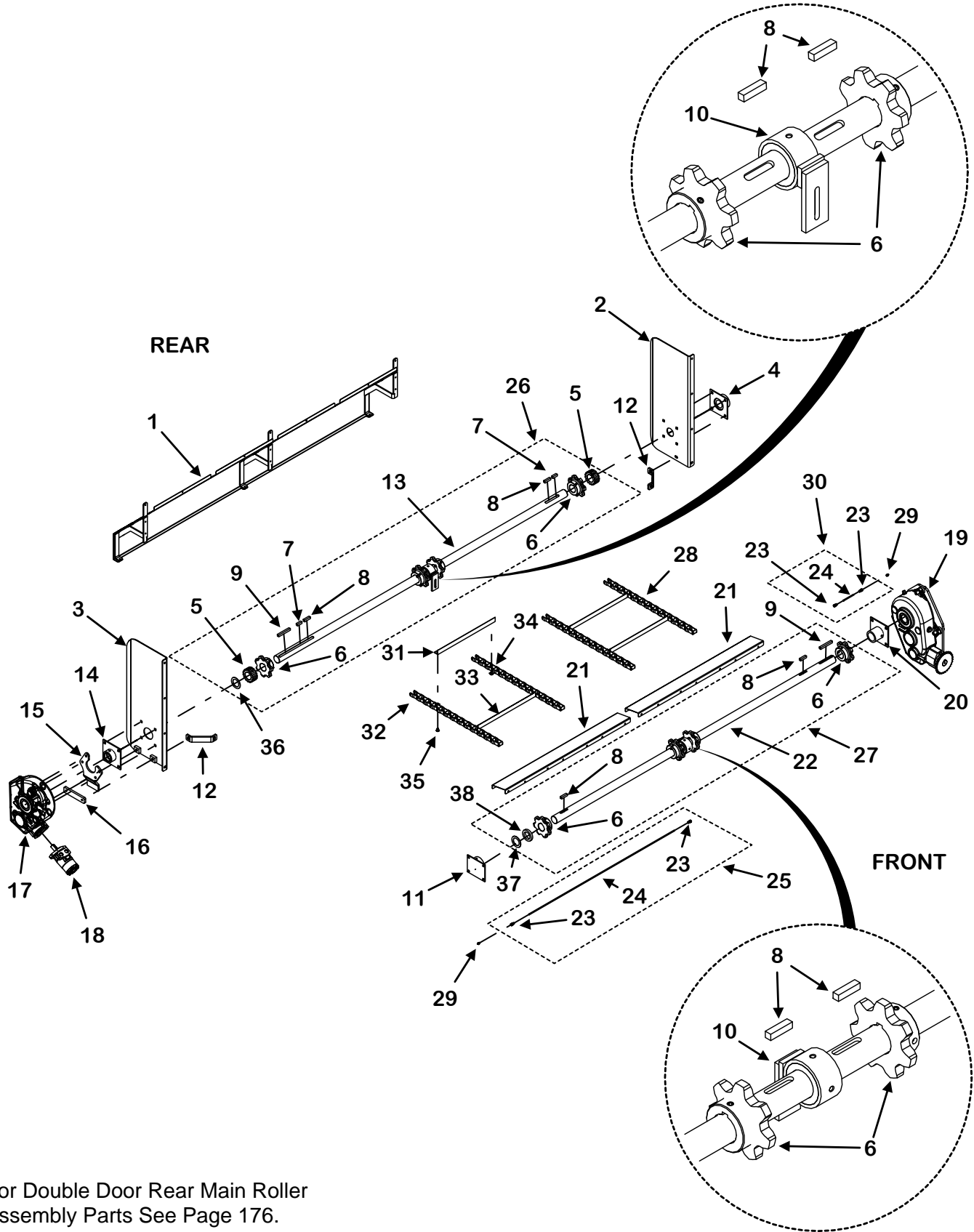
For Double Door Rear Main Roller
Assembly Parts See Page 176.

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 138	1	Rear Apron Shield Assembly
2	25-0719	1	Left Hand Main Roller Bearing Plate (RT Models)
	25-0841	1	Left Hand Main Roller Bearing Plate (RTX Models)
3	25-0718	1	Right Rear Apron Shaft Bearing Bracket Weldment (RT Models)
	25-0840	1	Right Rear Apron Shaft Bearing Bracket Weldment (RTX Models)
4	14-0061	1	Right Rear Bearing Assembly 2" Bore
5	23-0160-2	2	Door Latch Collar
6	110-667B7-2.00-3	8	667B7 2.25" Pitch Sprocket 2" Bore With 1/2" Key
7	35-0029	2	1/2" x 1/2" x 1-1/2" Square Key
8	35-0008	8	1/2" x 1/2" x 2" Square Key
9	135-5050-4-1	2	1/2" x 1/2" x 4" Square Key
10	14-0054	1	Center Main Drive Bearing
	930-3602	1	Male Compression Fitting For Front
	30-0002	1	Straight Grease Zerk For Rear
11	14-0306	1	Main Roller Left Bearing Assembly
12	25-0179	2	Dump Box Main Roller Bearing Brace
13	23-0304-1	1	2-Way Rear Main Apron Shaft
14	14-0310	1	Rear Apron Bearing Welded Assembly
15	25-0783	1	Rear Drive Torque Arm
16	25-0872	1	Torque Arm Retainer
17	See Page 148	1	21.1:1 Berma 31/41 Rear Apron Gearbox
18	See Page 140	1	Char-Lynn Hydraulic Motor 11.9 Cubic Inches (Prior to SN 17R2317)
	See Page 140	1	White WS Series Hydraulic Motor 12.3 Cubic Inches (SN 17R2317 & Later)
19	See Page 152	1	31.4:1 Berma Apron Gearbox 2" Bore, 1/2" Keyway (Prior to 2018 Model Year)
	See Page 154	1	31.4:1 Berma Apron Gearbox 2" Bore (2018 Model Year & Later)
20	See Page 98	1	Front Apron Bearing Welded Assembly
21	See Page 92	2	Reverse Chain Guide Panel
22	23-0300-1	1	Main Drive Shaft
23	930-3602	2	Male Connector Brass
24	735-.25CT	AR	1/4" Copper Tubing System (By The Foot)
25	33-0306	1	50" Front Center Main Bearing Grease Line Assembly
26	23-0304	1	Rear Main Roller Assembly (Prior to 2022 Model Year)
	23-0322	1	Rear Main Roller Assembly (2022 Model Year & Later)
27	23-0300-RH	1	Main Apron Drive Shaft Assembly (Prior to 2022 Model Year)
	23-0321-RH	1	Main Apron Drive Shaft Assembly (2022 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE MAIN APRON DRIVE SYSTEM (CONT'D)

RIGHT HAND DISCHARGE



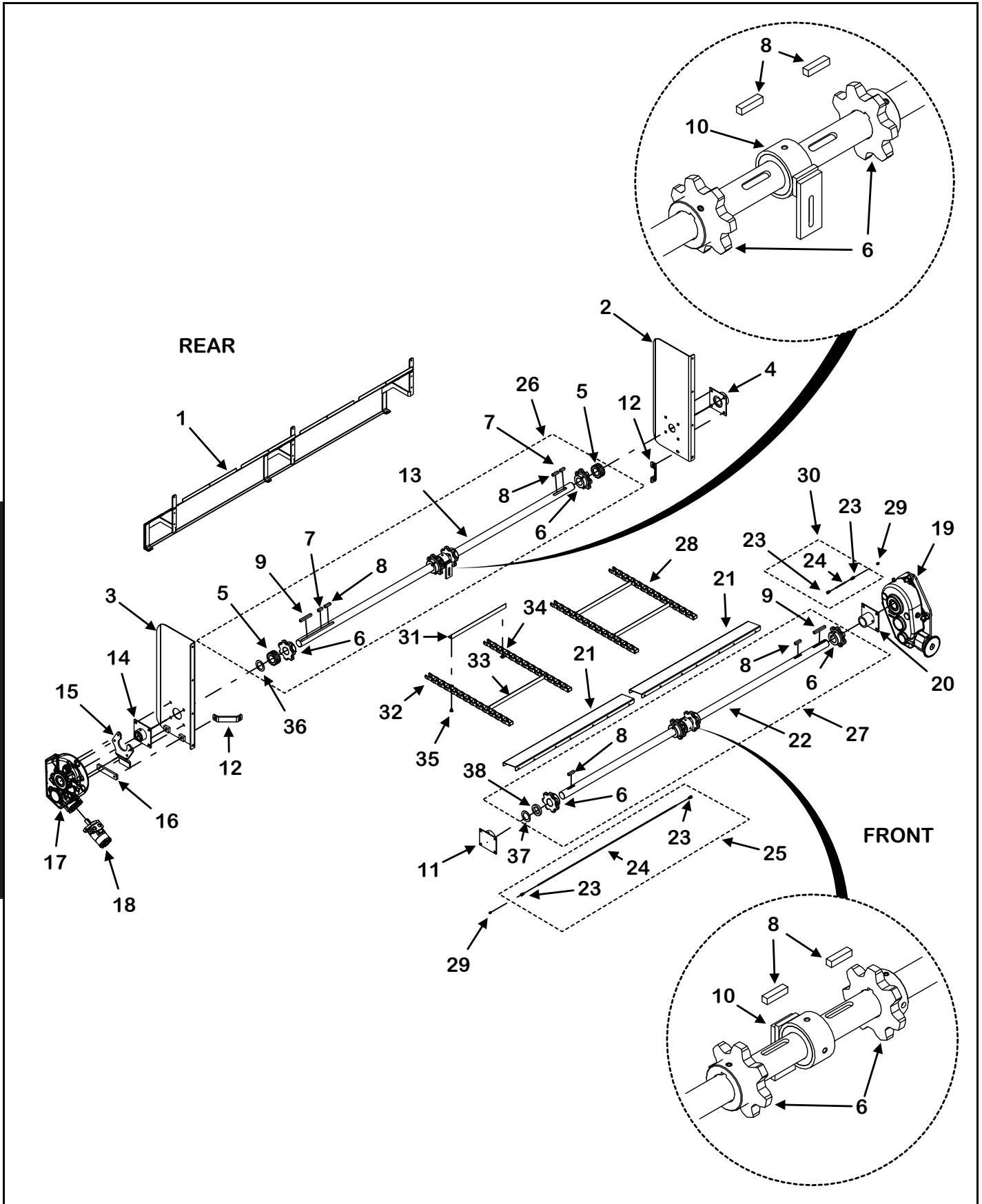
For Double Door Rear Main Roller Assembly Parts See Page 176.

KEY	PART NUMBER	QTY	DESCRIPTION
28	11-0405	2	RT216 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0442	2	RT216 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0406	2	RT218 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0443	2	RT218 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0407	2	RT/RTX220 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0444	2	RT220 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0434	2	RTX220 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0408	2	RT/RTX222 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0445	2	RT222 667X Main Apron Chain Assembly (2022 Model Year & Later)
	11-0435	2	RTX222 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0409	2	RTX224 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0436	2	RTX224 667XH Main Apron Chain Assembly (2022 Model Year & Later)
	11-0410	2	RTX226 667X Main Apron Chain Assembly (Prior to 2022 Model Year)
	11-0437	2	RTX226 667XH Main Apron Chain Assembly (2022 Model Year & Later)
29	30-0002	2	1/8" NPT Straight Grease Zerk
30	33-0307	1	3-1/2" Front Right Main Bearing Grease Line Assembly
31	11-0400-1	AR	Main Apron Slat (Prior to 2022 Model Year)
	11-0400-3	AR	RT Main Apron Slat (2022 Model Year & Later)
	11-0171-1	AR	RTX Main Apron Slat (2022 Model Year & Later)
32	11-0008-1-D	AR	Pintle Chain Link-D667X (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-2-D	AR	Pintle Chain Link-D667XH (RTX Models 2022 Model Year & Later)
33	11-0400	AR	Chain Slat With Attachments-667X (Prior to 2022 Model Year)
	11-0401	AR	Chain Slat With Attachments-667X (RT Models 2022 Model Year & Later)
	11-0177	AR	Chain Slat With Attachments-667XH (RTX Models 2022 Model Year & Later)
34	11-0008-3-D	AR	Attachment Link-D667X (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-3-D	AR	Attachment Link-D667XH (RTX Models 2022 Model Year & Later)

RIGHT HAND DISCHARGE

RIGHT DISCHARGE MAIN APRON DRIVE SYSTEM (CONT'D)

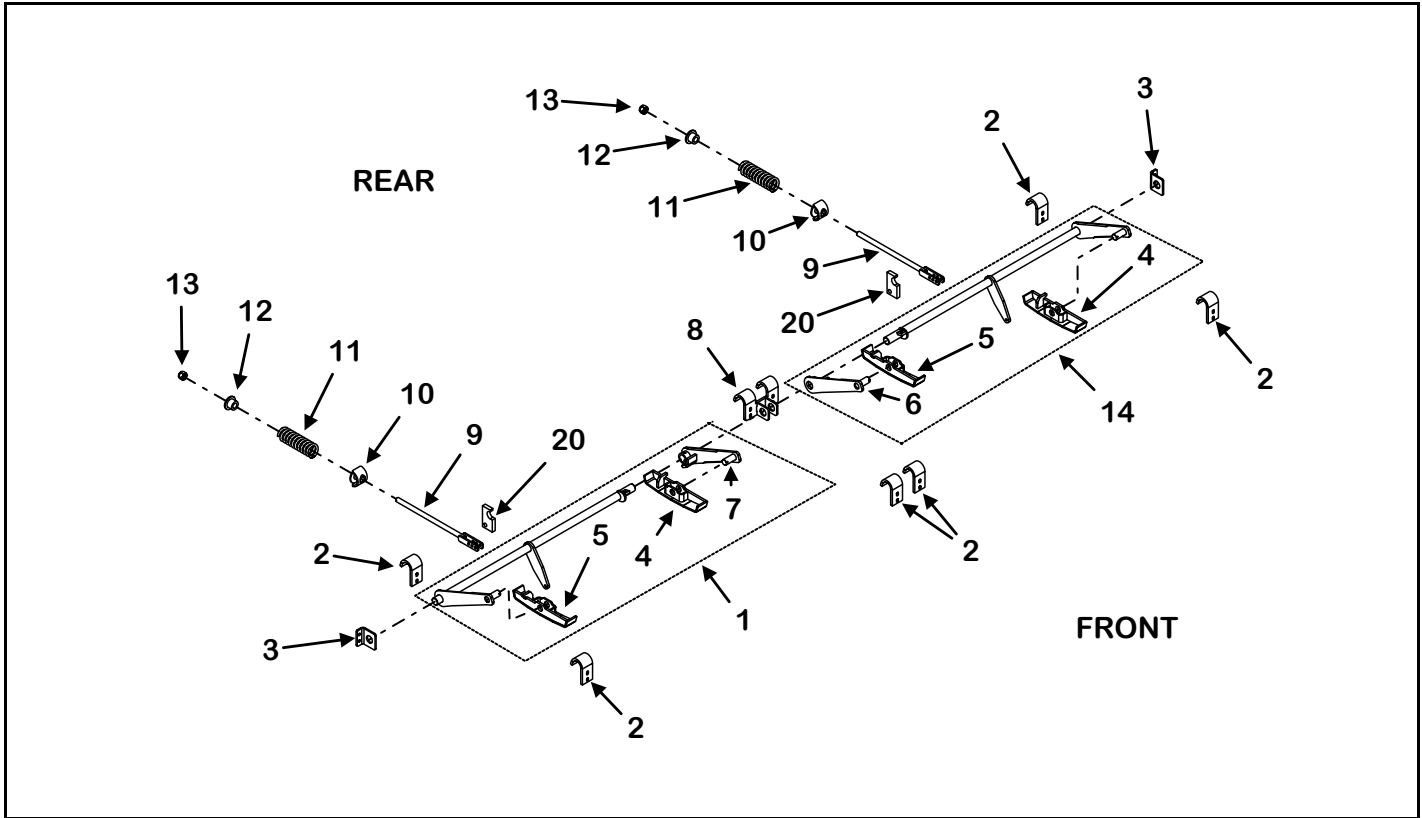
RIGHT HAND DISCHARGE



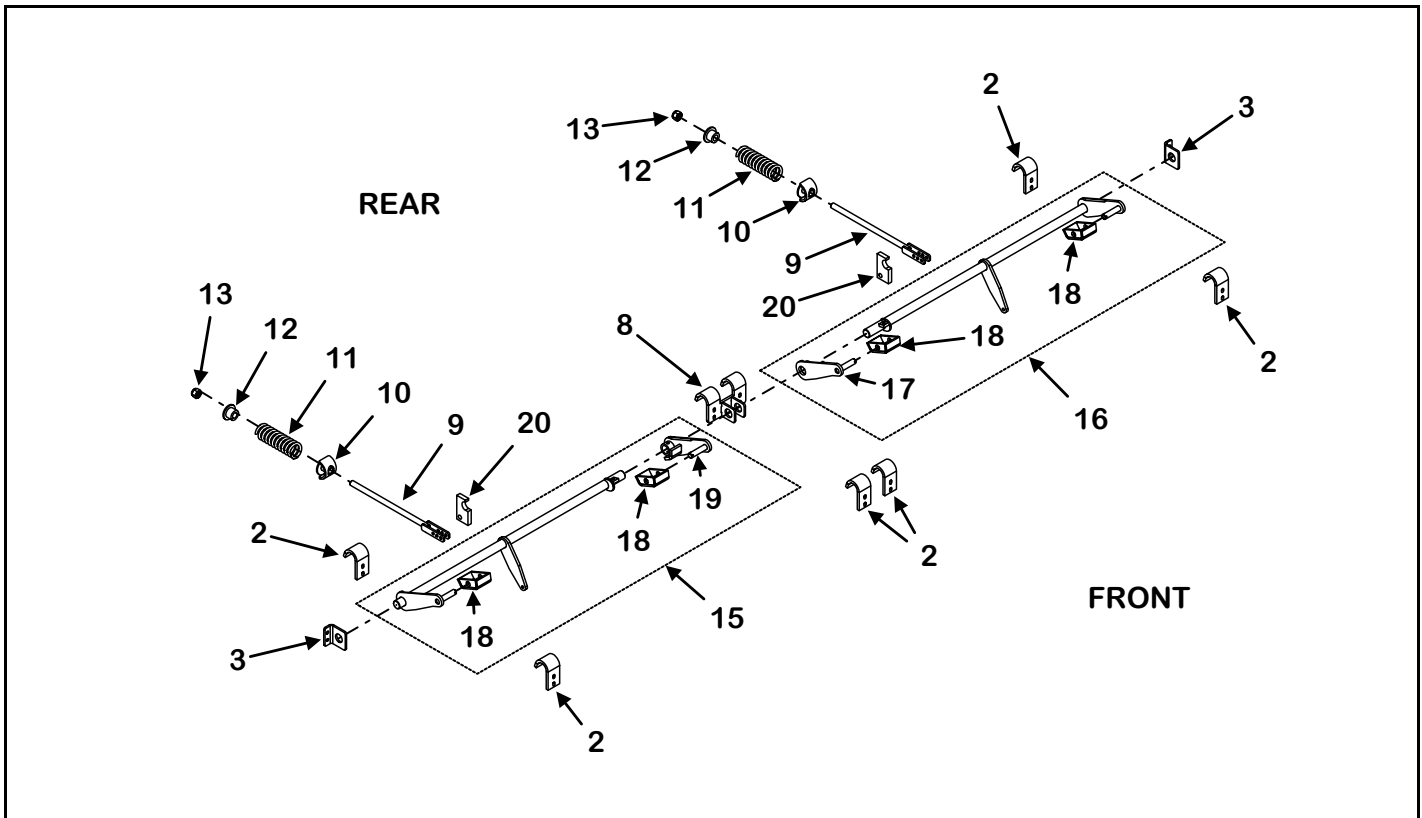
KEY	PART NUMBER	QTY	DESCRIPTION
35	11-0008-2	AR	Rivet, 3/8" x 1" (All RT Models) (RTX Models Prior to 2022 Model Year)
	11-0107-6	AR	Rivet, 7/16" x 1-1/8" (RTX Models 2022 Model Year & Later)
36	808-2-3-14	1	2" x 3" x 14 Gauge Machine Bushing (2022 Model Year & Later)
37	23-0321-2	1	.105" x 3" Diameter Shaft Spacer (2022 Model Year & Later)
38	23-0321-1	1	1/2" x 3" Diameter Shaft Spacer (2022 Model Year & Later)

RIGHT HAND DISCHARGE

RT FRONT AND REAR UNLOAD MAIN APRON CHAIN TIGHTENER

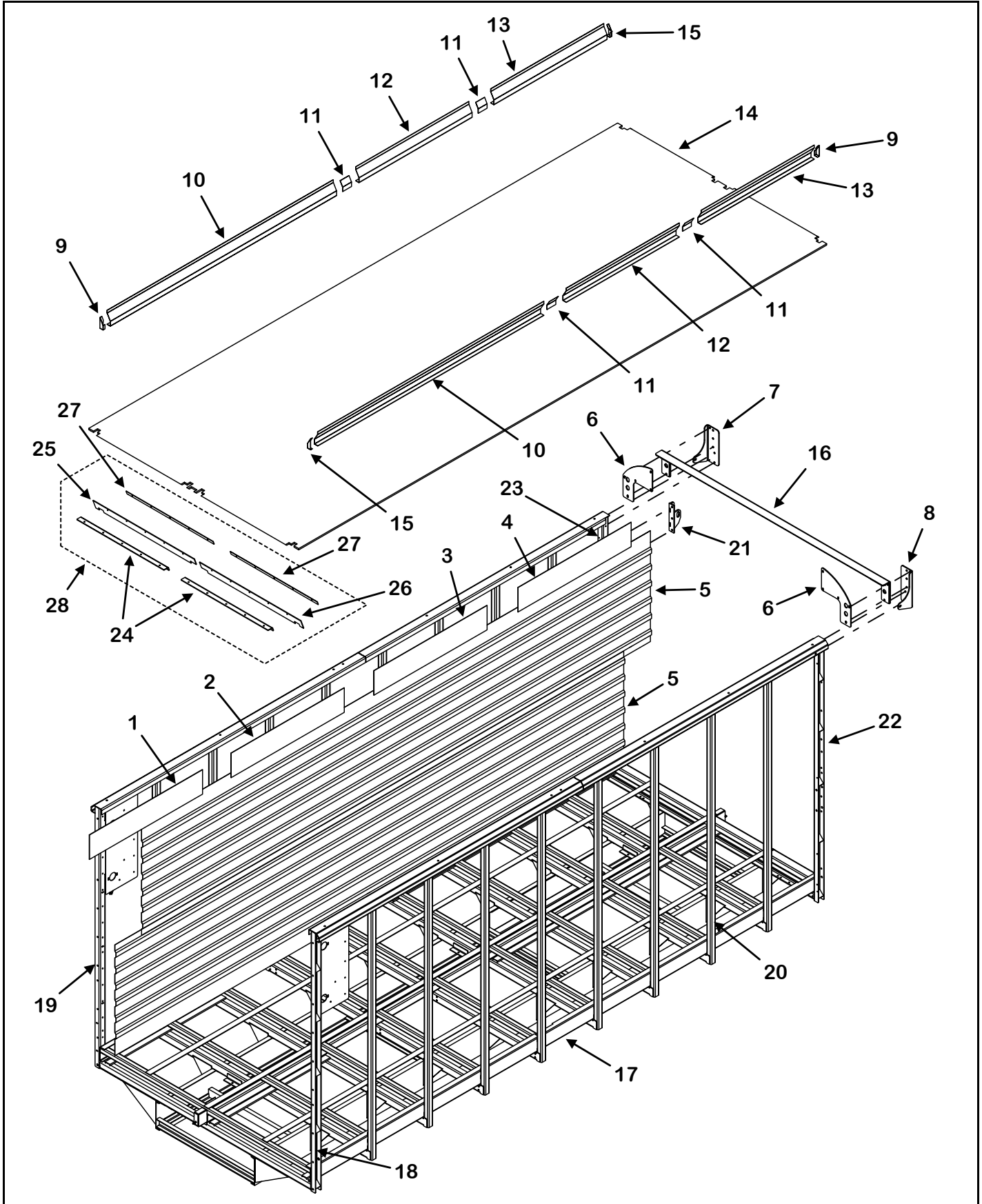


RTX FRONT AND REAR UNLOAD MAIN APRON CHAIN TIGHTENER



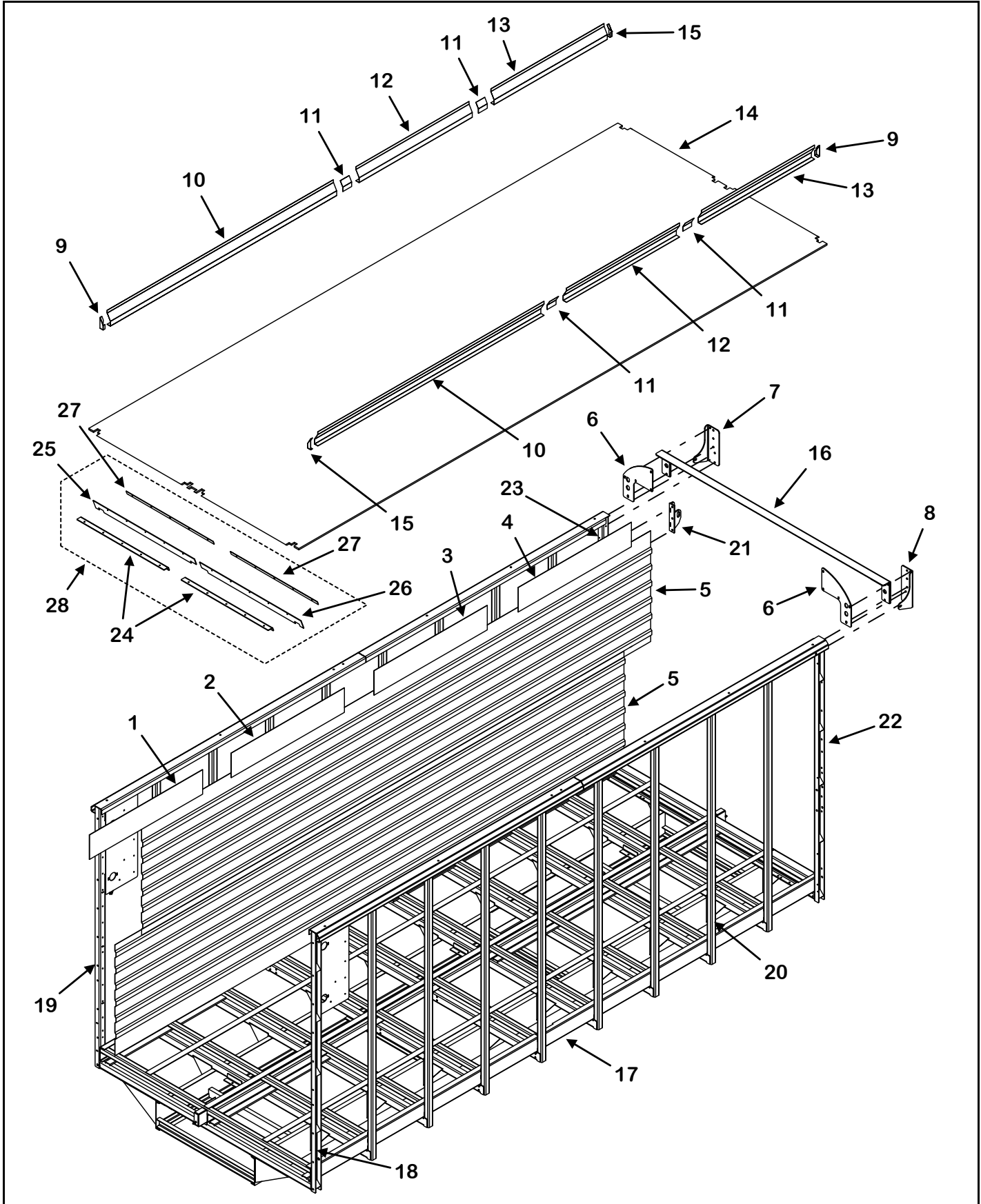
KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0865	1	Main Apron Right Pivot Tightener Assembly - 42" Frame (Wagon Mount)
	25-0867	1	Main Apron Right Pivot Tightener Assembly - 33.5" Frame (Truck / Trailer Mount)
2	25-0750	6	Chain Return Guide (All RT Models)
	25-1152	6	Chain Return Guide (All RTX Models)
3	25-0717-3	2	Mount Angle
4	25-0864-4	2	RT Chain Tightener Hold Down Pivot Weldment-Left
5	25-0864-2	2	RT Chain Tightener Hold Down Pivot Weldment-Right
6	25-0864-1	1	Left Adjustable Tightener Arm
7	25-0865-1	1	Right Adjustable Tightener Arm
8	25-0751	1	Center Chain Return Guide Weldment (All RT Models) (RTX Models Prior to SN 23R2288)
	25-1151	1	Center Chain Return Guide Weldment (RTX Models SN 23R2288 & Later)
9	25-0868	2	Main Apron Tightener Rod Assembly
10	25-6011	2	Tightener Bolt Rocking Sleeve Welded Assembly
11	929-0002	2	7" Spring Material Guide
12	925-3841	2	Outer Spring Tightener Guide Assembly
13	815-7510-Z	2	3/4"-10 Nylon Insert Lock Nut
14	25-0864	1	Main Apron Left Pivot Tightener Assembly - 42" Frame (Wagon Mount)
	25-0866	1	Main Apron Left Pivot Tightener Assembly - 33.5" Frame (Truck / Trailer Mount)
15	25-0861	1	Main Apron Right Tightener Assembly - 42" Frame (Wagon Mount) (Prior to SN 23R2288)
	25-1150	1	Main Apron Right Tightener Assembly - 42" Frame (Wagon Mount) (SN 23R2288 & Later)
	25-0863	1	Main Apron Right Tightener Assembly - 33.5" Frame (Truck / Trailer Mount) (Prior to SN 23R2288)
	25-1156	1	Main Apron Right Tightener Assembly - 33.5" Frame (Truck / Trailer Mount) (SN 23R2288 & Later)
16	25-0860	1	Main Apron Left Tightener Assembly - 42" Frame (Wagon Mount) (Prior to SN 23R2288)
	25-1149	1	Main Apron Left Tightener Assembly - 42" Frame (Wagon Mount) (SN 23R2288 & Later)
	25-0862	1	Main Apron Left Tightener Assembly - 33.5" Frame (Truck / Trailer Mount) (Prior to SN 23R2288)
	25-1155	1	Main Apron Left Tightener Assembly - 33.5" Frame (Truck / Trailer Mount) (SN 23R2288 & Later)
17	25-0860-1	1	Left Adjustable Tightener Arm (Prior to SN 23R2288)
	25-1149-4	1	Left Adjustable Tightener Arm (SN 23R2288 & Later)
18	25-1149-2	4	RTX Chain Tightener Hold Down Pivot Weldment (SN 23R2288 & Later)
19	25-0861-1	1	Right Adjustable Tightener Arm (Prior to SN 23R2288)
	25-1150-2	1	Right Adjustable Tightener Arm (SN 23R2288 & Later)
20	25-1068-3	2	Tightener Support Block

MAIN FRAME (2015 MODEL YEAR & LATER)



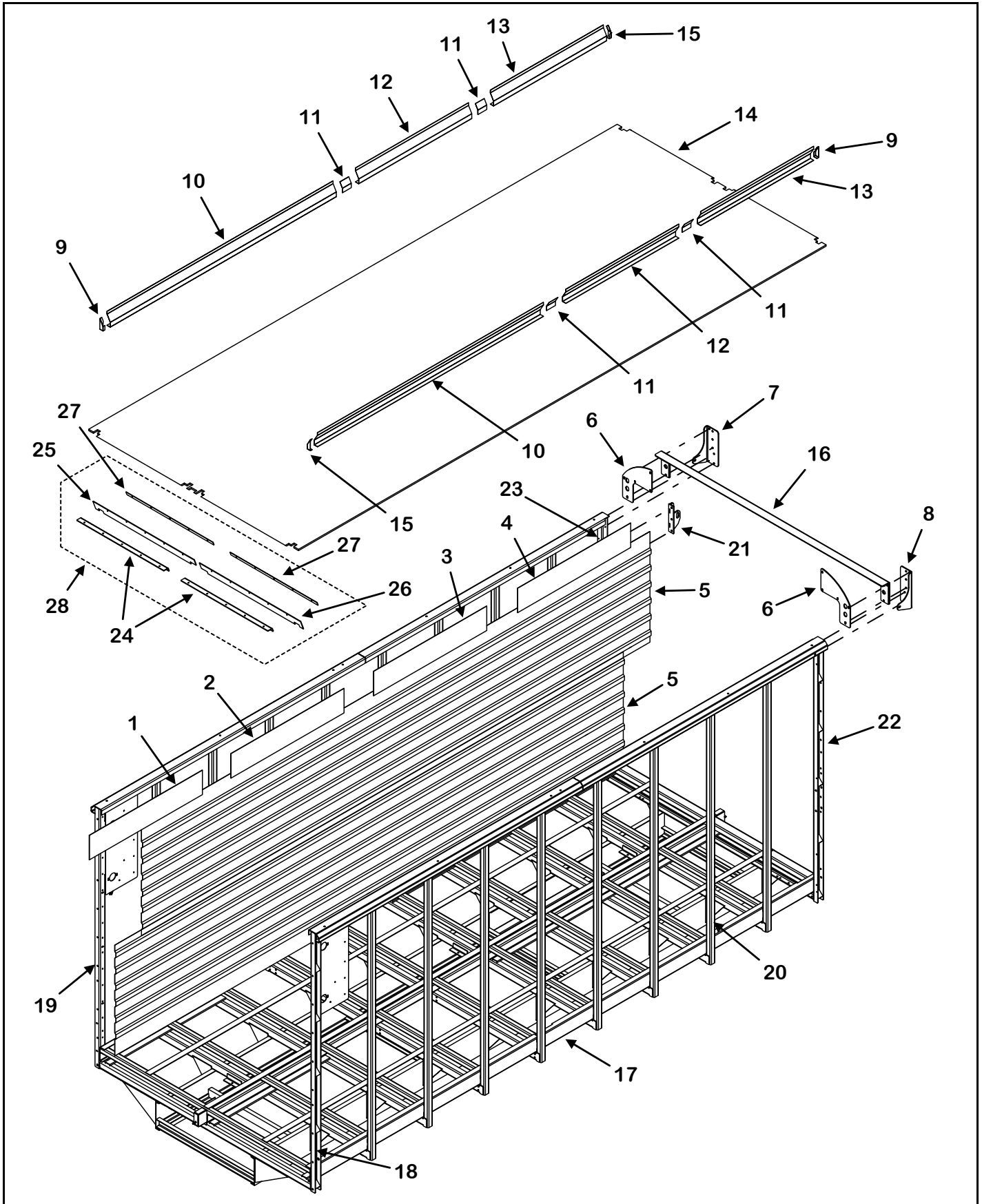
KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0772	2	Screen Extension 9" x 74" (RT216, RT218, RT220, RT222)
	25-0748	2	Screen Extension 9" x 82" (RTX220, RTX222, RTX224, RTX226)
	25-0875	2	Solid Extension Panel 9" x 97" (RT216, RT218, RT220, RT222)
	25-0879	2	Solid Extension Panel 9" x 113" (RTX220, RTX222, RTX224, RTX226)
2	25-0772	2	Screen Extension 9" x 74" (RT216, RT218, RT220, RT222)
	25-0748	2	Screen Extension 9" x 82" (RTX220, RTX222, RTX224, RTX226)
	25-0878	2	Solid Extension Panel 9" x 48" (RT220, RT222)
	25-0880	2	Solid Extension Panel 9" x 64" (RTX220)
	25-0882	2	Solid Extension Panel 9" x 112" (RTX222, RTX224, RTX226)
3	25-0772	2	Screen Extension 9" x 74" (RT222)
	25-0748	2	Screen Extension 9" x 82" (RTX222, RTX224, RTX226)
4	25-0749	2	Screen Extension 9" x 48" (RT216, RT222, RT224)
	25-0770	2	Screen Extension 9" x 72" (RT218, RTX226)
	25-0773	2	Screen Extension 9" x 96" (RT220)
	25-0768	2	Screen Extension 9" x 80" (RTX220)
	25-0769	2	Screen Extension 9" x 24" (RTX222)
	25-0877	2	Solid Extension Panel 9" x 95" (RT216, RT220)
	25-0876	2	Solid Extension Panel 9" x 119" (RT218, RT222)
	25-0881	2	Solid Extension Panel 9" x 63" (RTX220, RTX224)
	25-0883	2	Solid Extension Panel 9" x 39" (RTX222)
	25-0884	2	Solid Extension Panel 9" x 87" (RTX226)
5	761II-40.75-16	4	Painted Galvanized Panel 40-3/4" x 192" (RT216)
	761II-40.75-18	4	Painted Galvanized Panel 40-3/4" x 216" (RT218)
	761II-40.75-20	4	Painted Galvanized Panel 40-3/4" x 240" (RT220, RTX220)
	761II-40.75-22	4	Painted Galvanized Panel 40-3/4" x 264" (RT222, RTX222)
	761II-40.75-24	4	Painted Galvanized Panel 40-3/4" x 288" (RTX224)
	761II-40.75-26	4	Painted Galvanized Panel 40-3/4" x 312" (RTX226)
6	25-0744	2	Rear Roof End Cap Mount Plate (Roof)
7	25-0743	1	Rear Gate Mount Right
	25-0859	1	Rear Gate Mount Right 6" Higher Roof
8	25-0742	1	Rear Gate Mount Left
	25-0858	1	Rear Gate Mount Left 6" Higher Roof
9	400-1501-3	2	Front Right & Rear Left Chain Guide Cap
10	400-1501-1	2	Front Chain Guide 96" (RT216, RT218, RTX224)
	400-1503-1	2	Front Chain Guide 120" (RT220, RT222, RTX220, RTX222, RTX226)
11	400-1501-2	2	Chain Guide Splice Connector (RT216, RT218, RT220, RTX220)
	400-1501-2	4	Chain Guide Splice Connector (RT222, RTX222, RTX224, RTX226)
12	400-1501-1	2	Middle Chain Guide 96" (RT222, RTX222, RTX224, RTX226)

MAIN FRAME (CONT'D) (2015 MODEL YEAR & LATER)



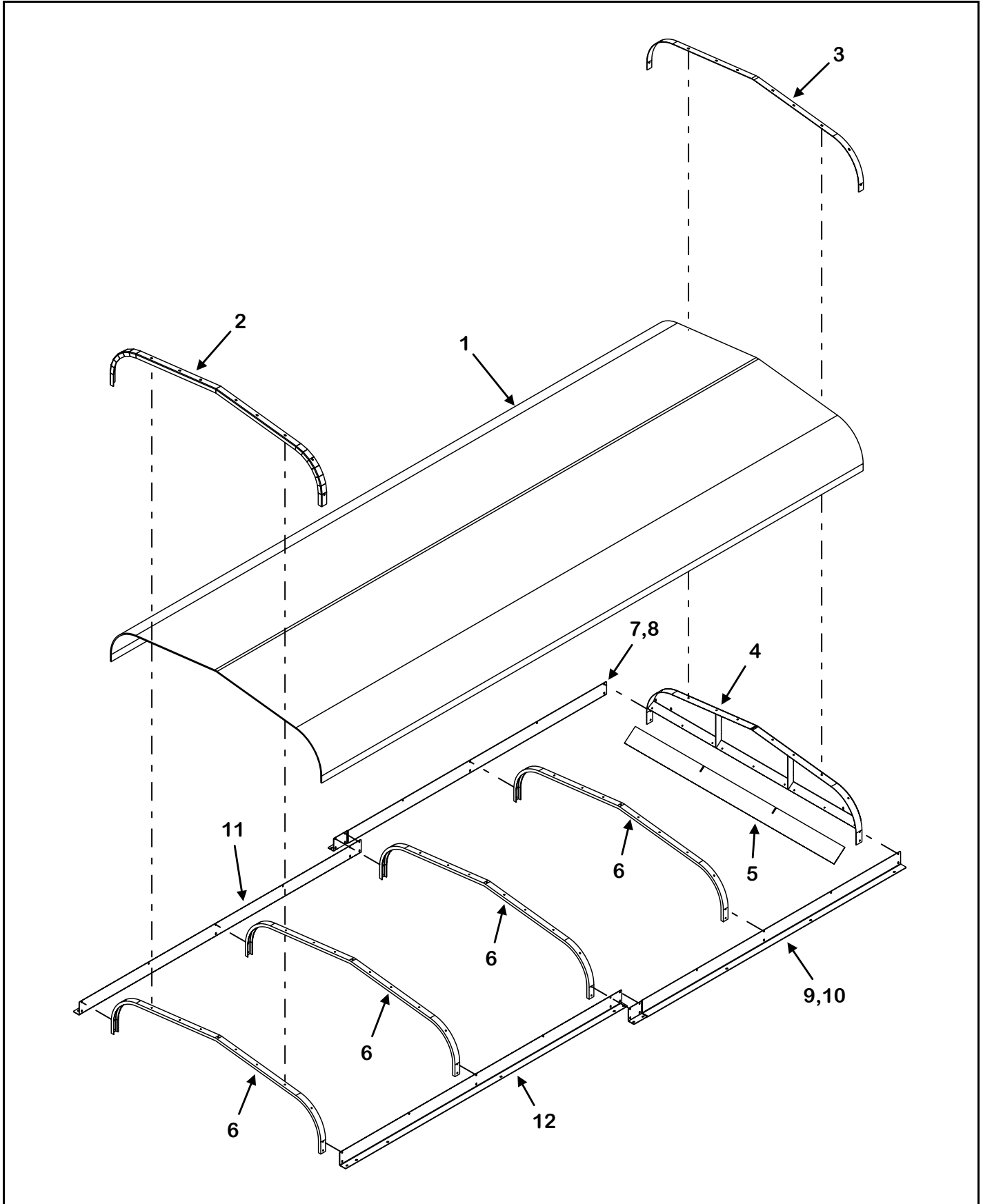
KEY	PART NUMBER	QTY	DESCRIPTION
13	400-1501-1	2	Rear Chain Guide 96" (RT216, RTX224, RTX226)
	400-1503-1	2	Rear Chain Guide 120" (RT218, RT220, RTX220)
	400-1501-7	2	Rear Chain Guide 48" (RT222, RTX222)
14	400-1519	1	Poly Floor 1/2" x 88-3/4" x 202-3/4" (RT216) (Prior to 2022 Model Year)
	400-1538	1	Poly Floor 1/2" x 88-3/4" x 196" (RT216) (2022 Model Year & Later)
	400-1520	1	Poly Floor 1/2" x 88-3/4" x 226-3/4" (RT218) (Prior to 2022 Model Year)
	400-1539	1	Poly Floor 1/2" x 88-3/4" x 220" (RT218) (2022 Model Year & Later)
	500-1505	1	Poly Floor 1/2" x 88-3/4" x 250-3/4" (RT220, RTX220) (Prior to 2022 Model Year)
	500-1520	1	Poly Floor 1/2" x 88-3/4" x 244" (RT220, RTX220) (2022 Model Year & Later)
	500-1506	1	Poly Floor 1/2" x 88-3/4" x 274-3/4" (RT222, RTX222) (Prior to 2022 Model Year)
	500-1519	1	Poly Floor 1/2" x 88-3/4" x 268" (RT222, RTX222) (2022 Model Year & Later)
	500-1500	1	Poly Floor 1/2" x 88-3/4" x 298-3/4" (RTX224) (Prior to 2022 Model Year)
	500-1521	1	Poly Floor 1/2" x 88-3/4" x 292" (RTX224) (2022 Model Year & Later)
	500-1507	1	Poly Floor 1/2" x 88-3/4" x 322-3/4" (RTX226) (Prior to 2022 Model Year)
	500-1522	1	Poly Floor 1/2" x 88-3/4" x 316" (RTX226) (2022 Model Year & Later)
15	400-1501-4	2	Front Left & Rear Right Chain Guide Cap
16	25-0885	1	Rear Gate Stabilizer Weldment (No Roof)
17	Call 1-800-325-9103	1	Main Frame Welded Assembly
18	500-1203-4-2-AS	1	Front Left Formed Upright Assembly With Auger Plate, Welded On
	500-1200-3-1-AS	1	Front Left Formed Upright Assembly With Auger Plate, Welded On (12" Higher Sides) (Prior to SN 17R2279)
	500-1200-3-1-6B-AS	1	Front Left Formed Upright Assembly With Auger Plate, Welded On (12" Higher Sides) (SN 17R2279 & Later)
19	500-1203-3-1-AS	1	Front Right Formed Upright Assembly With Auger Plate, Welded On
	500-1200-4-1-AS	1	Front Right Formed Upright Assembly With Auger Plate, Welded On (12" Higher Sides) (Prior to SN 17R2279)
	500-1200-4-6-AS	1	Front Right Formed Upright Assembly With Auger Plate, Welded On (12" Higher Sides) (SN 17R2279 & Later)
20	500-1203-3-5	AS	83-9/16" Upright Tube, Welded On
	500-1200-3-2	AS	95-9/16" Upright Tube, Welded On (12" Higher Sides)
21	25-0722	1	Lower Gate Delay Cylinder Mount Bracket

MAIN FRAME (CONT'D) (2015 MODEL YEAR & LATER)



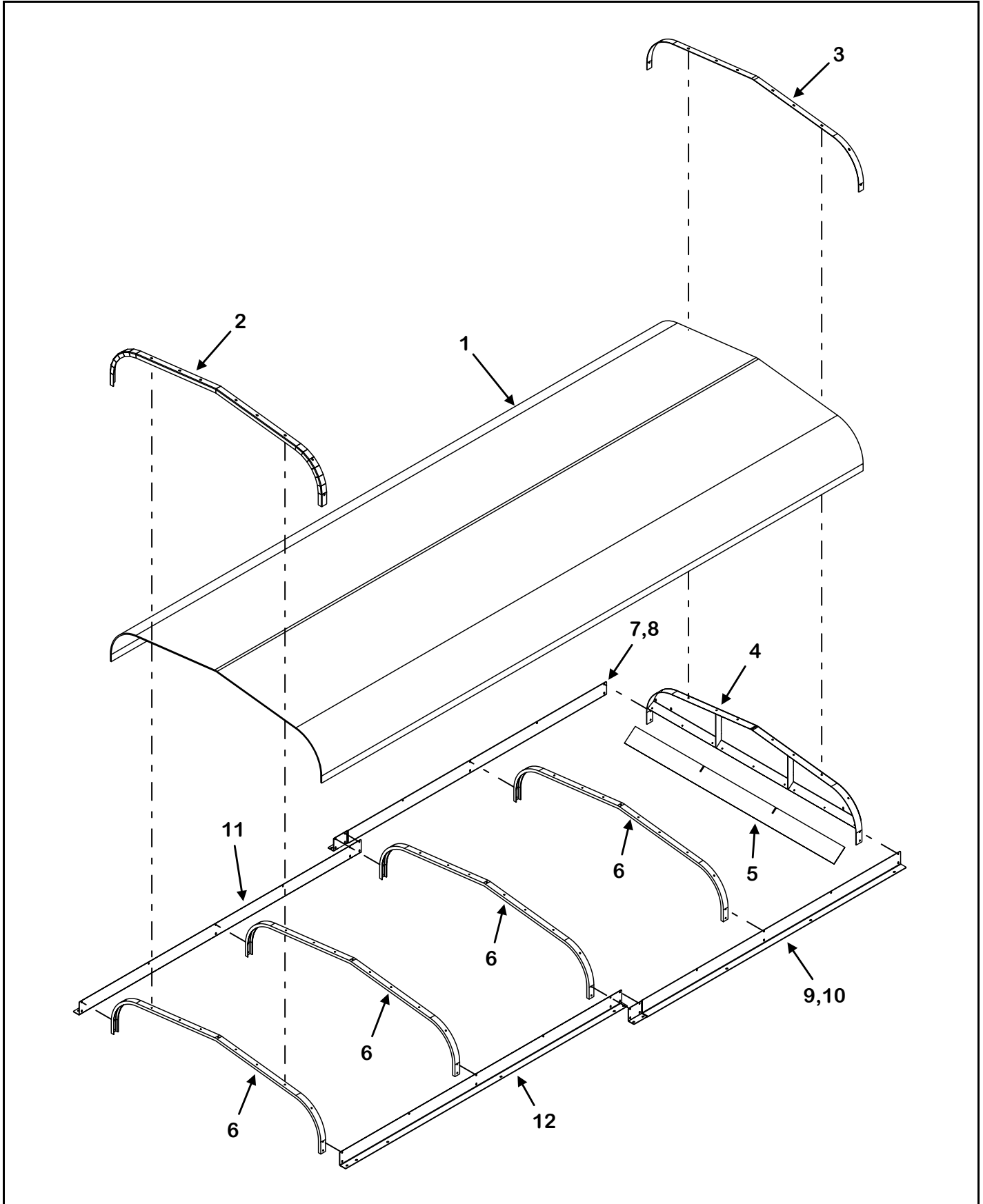
KEY	PART NUMBER	QTY	DESCRIPTION
22	500-1203-4-3-AS	1	Rear Left Formed Upright Assembly, Welded On
	500-1200-3-7-AS	1	Rear Left Formed Upright Assembly, Welded On (12" Higher Sides)
23	500-1203-3-2-AS	1	Rear Right Formed Upright Assembly, Welded On
	500-1200-4-2-AS	1	Rear Right Formed Upright Assembly, Welded On (12" Higher Sides)
24	25-1044	2	Upper Belt Seal Plate
25	49-0333	1	Upper Right Belt Seal
26	49-0332	1	Upper Left Belt Seal
27	25-1045	2	Upper Belt Seal Backer
28	RT-MARUSK-K	1	Main Apron Upper Seal Kit

ROOF ASSEMBLY



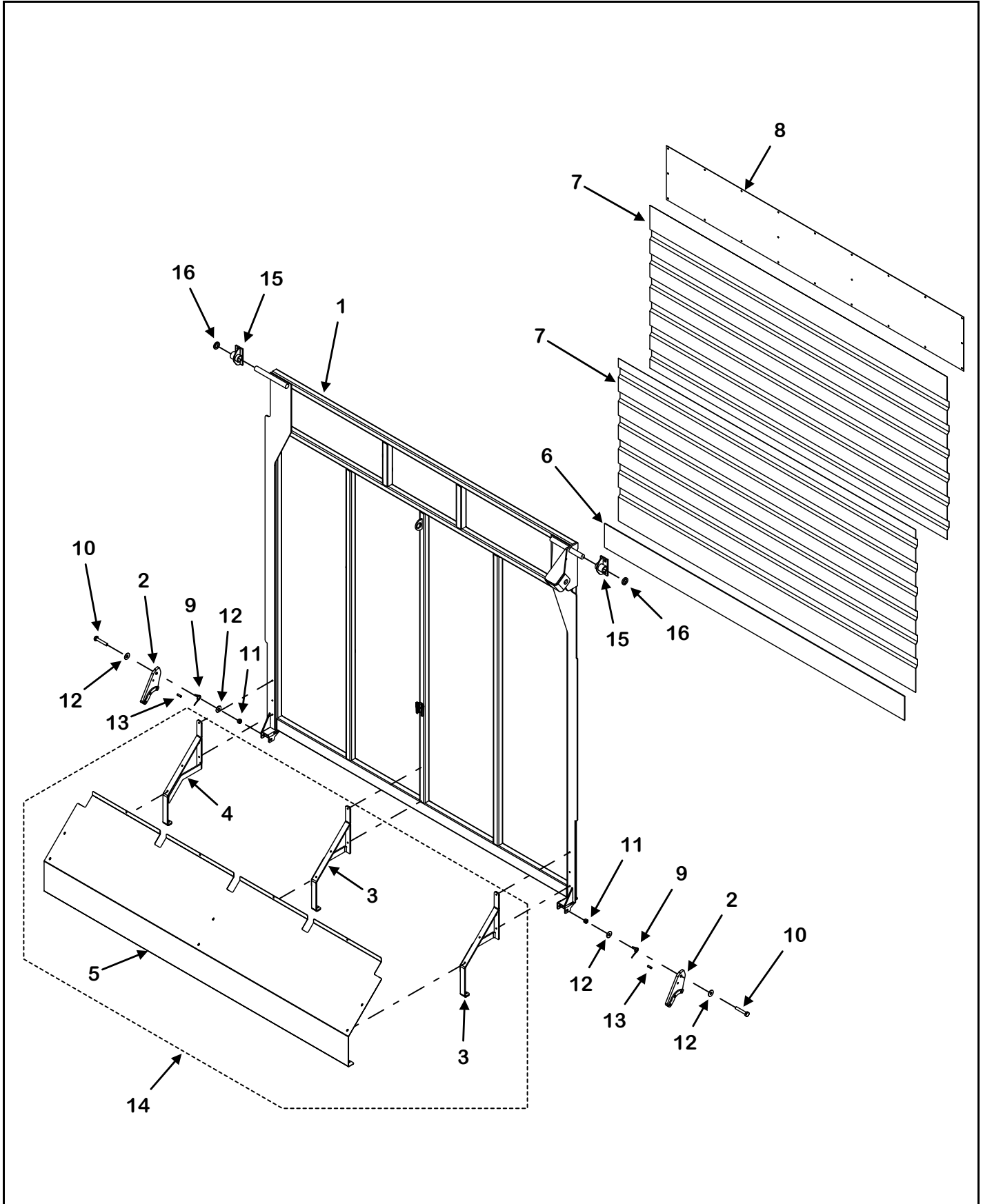
KEY	PART NUMBER	QTY	DESCRIPTION
0	400-1313	1	Complete Roof Assembly (16')
	400-1314	1	Complete Roof Assembly (18')
	400-1315	1	Complete Roof Assembly (20')
	400-1316	1	Complete Roof Assembly (22')
	400-1321	1	Complete Roof Assembly (24')
	400-1323	1	Complete Roof Assembly (16') (6" Higher Roof Option)
	400-1324	1	Complete Roof Assembly (18') (6" Higher Roof Option)
	400-1325	1	Complete Roof Assembly (20') (6" Higher Roof Option)
	400-1326	1	Complete Roof Assembly (22') (6" Higher Roof Option)
	400-1327	1	Complete Roof Assembly (24') (6" Higher Roof Option)
1	100-9990-14-2	4	17' 2" Ribbed Steel Roof Sheet (16')
	100-9990-15-8	4	19' 2" Ribbed Steel Roof Sheet (18')
	100-9990-51-1	4	21' 2" Ribbed Steel Roof Sheet (20')
	100-9990-54-1	4	23' 2" Ribbed Steel Roof Sheet (22')
	100-9990-145	4	25' 2" Ribbed Steel Roof Sheet (24')
2	400-1313-2	1	Front Roof Cap
	400-1323-2	1	Front Left Roof Cap (6" Higher Roof Option) (Not Illustrated)
	400-1323-3	1	Front Right Roof Cap (6" Higher Roof Option) (Not Illustrated)
3	400-1313-8	1	Roof Guard Strap
	400-1323-4	2	Roof Guard Strap (6" Higher Roof Option) (Not Illustrated)
4	400-1313-7	1	2-Way Rear Roof End Cap
	400-1323-5	1	2-Way Rear Roof End Cap (6" Higher Roof Option)
5	49-0313	1	Rear Roof Cap Belt
6	400-1313-1	4	Roof Bow (RT216, RT218)
	400-1323-1	4	Roof Bow (RT216/RT218 With 6" Higher Roof Option)
	400-1313-1	5	Roof Bow (RT220, RTX220)
	400-1323-1	5	Roof Bow (RT220/RTX220 With 6" Higher Roof Option)
	400-1313-1	6	Roof Bow (RT222, RTX222, RTX224)
	400-1323-1	6	Roof Bow (RT222/RTX222/RTX224 With 6" Higher Roof Option)
7	400-1313-6	1	Rear Right Roof Rail (16')
	400-1314-4	1	Rear Right Roof Rail (18')
	400-1315-4	1	Rear Right Roof Rail (20')
	400-1316-6	1	Rear Right Roof Rail (22')
	400-1321-2	1	Rear Right Roof Rail (24')
8	400-1315-2	1	Center Right Roof Rail (20', 24') (Not Illustrated)
	400-1316-4	1	Center Right Roof Rail (20', 24') (Not Illustrated)
9	400-1313-5	1	Rear Left Roof Rail (16')
	400-1314-3	1	Rear Left Roof Rail (18')
	400-1315-3	1	Rear Left Roof Rail (20')
	400-1316-5	1	Rear Left Roof Rail (22')
	400-1321-1	1	Rear Left Roof Rail (24')

ROOF ASSEMBLY (CONT'D)



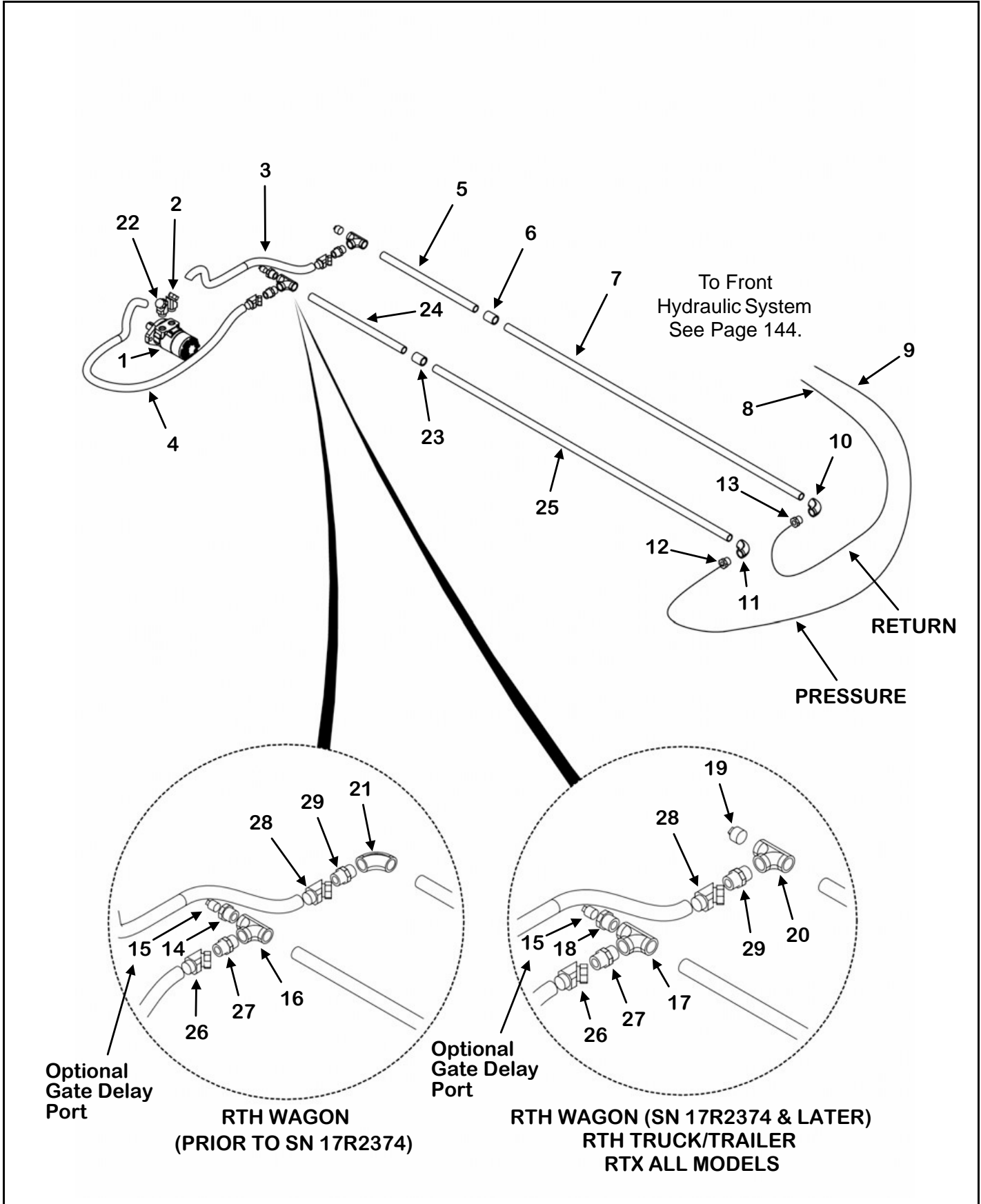
KEY	PART NUMBER	QTY	DESCRIPTION
10	400-1315-1	1	Center Left Roof Rail (20', 24') (Not Illustrated)
	400-1316-3	1	Center Left Roof Rail (22') (Not Illustrated)
11	400-1313-4	1	Front Right Roof Rail (16', 20', 24')
	400-1314-2	1	Front Right Roof Rail (18')
	400-1316-2	1	Front Right Roof Rail (22')
12	400-1313-3	1	Front Left Roof Rail (16', 20', 24')
	400-1314-1	1	Front Left Roof Rail (18')
	400-1316-1	1	Front Left Roof Rail (22')

REAR GATE



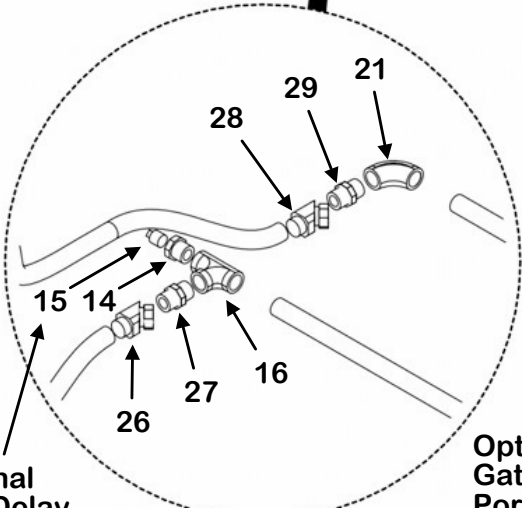
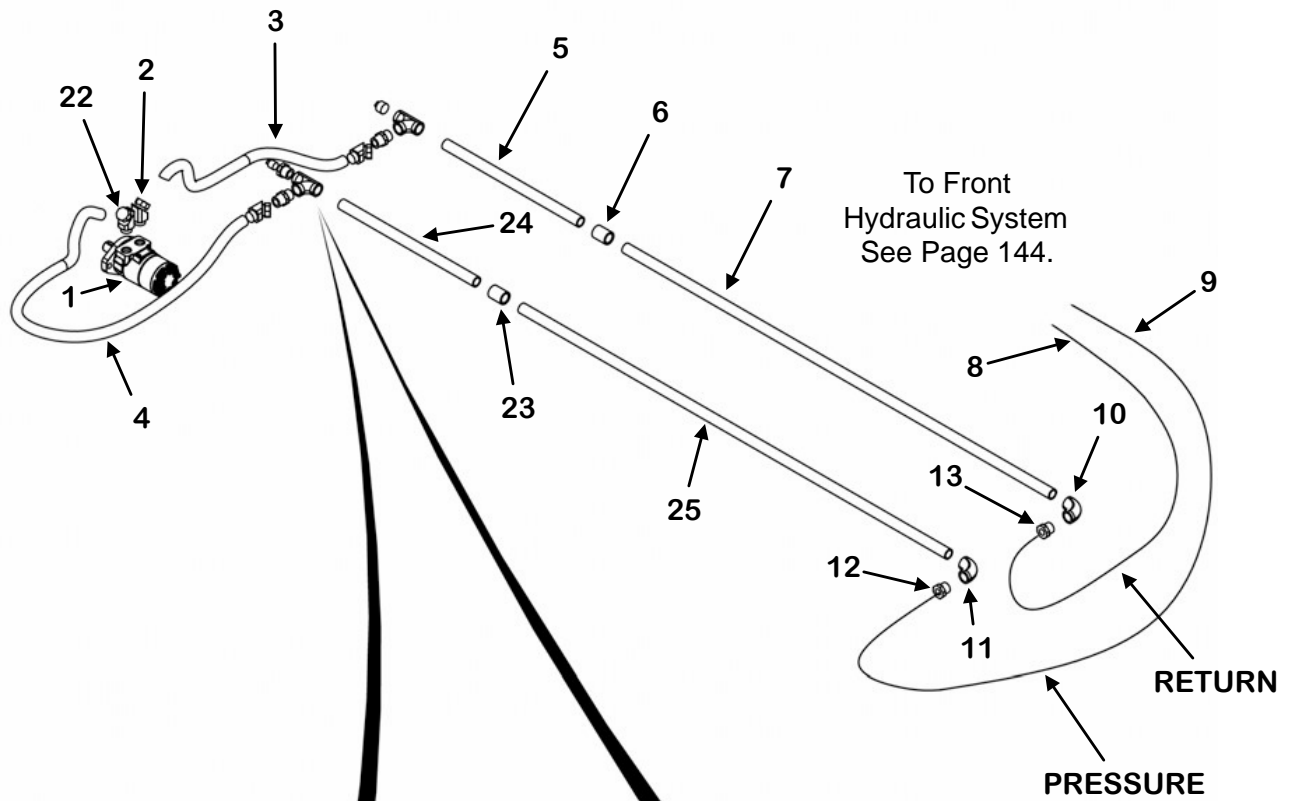
KEY	PART NUMBER	QTY	DESCRIPTION
0	400-1416	1	Complete Rear Swing Gate With Shield
	400-1417	1	Complete Rear Swing Gate With Shield (12" Higher Sides Option)
	400-1418	1	Complete Rear Swing Gate With Shield (6" Higher Roof Option)
1	400-1416-1	1	Rear Swing Gate Frame
	400-1417-1	1	Rear Swing Gate Frame (12" Higher Sides Option)
	400-1418-1	1	Rear Swing Gate Frame (6" Higher Roof Option)
2	400-1416-2	2	Rear Drive Shaft Catch Doubler
3	25-0870	2	Rear Apron Shield Center/Right Support Bracket
4	25-0871	1	Rear Apron Shield Left Support Bracket
5	24-0355	1	Rear Apron Shield With Decals
6	49-0223	1	Rear Gate Belting
7	761II-40.75-86	2	Painted Galvanized Panel
8	400-1401-3	1	Rear Gate Upper Panel (12" Higher Sides Option)
9	29-0037	2	Door Torsion Spring (Prior to SN 16R2404)
10	850S-5013-2Z	2	1/2"-13 x 2" Shank Carriage Bolt
11	814-5013-Z	2	1/2"-13 Indented Lock Nut
12	805-0050-Z	4	1/2" Flat Washer
13	38-0017	2	5/16" x 1" Roll Pin (Prior to SN 16R2404)
14	24-0355-AS	1	Rear Apron Shield Assembly With Mount Brackets
15	400-1402-2	2	Rear Gate Hinge
16	100-9990-34-7	2	Washer, Welded On

REAR HYDRAULIC SYSTEM



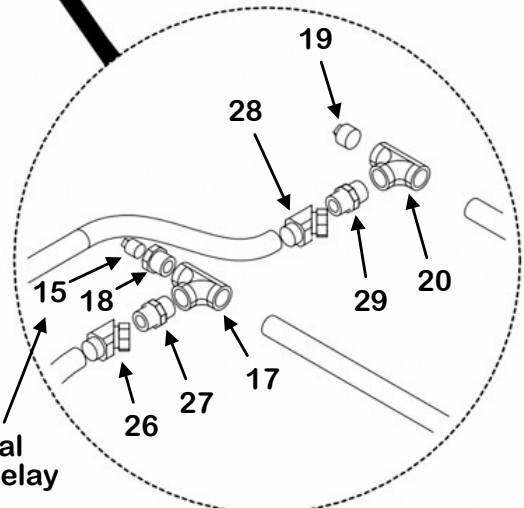
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-T-11.9-3	1	Char-Lynn Hydraulic Motor 11.9 Cubic Inches (Prior to SN 17R2317)
	55-0099-KIT	1	Char-Lynn Hydraulic Motor 11.9 Cubic Inches Seal Kit (Prior to SN 17R2317)
	155-WS-12.3-1	1	White WS Series Hydraulic Motor 12.3 Cubic Inches (SN 17R2317 & Later)
	155-WS-SK-1	1	White Hydraulic Motor 12.3 Cubic Inches Seal Kit (SN 17R2317 & Later)
2	155-6902-10-12	1	3/4" 45° Bulkhead (Prior to SN 17R2317)
	155-6400-12-10	1	Straight Connector (SN 17R2317 & Later)
3	655-0025	1	3/4" x 48" Hose 3/4"-14 Male NPTF (Prior to SN 17R2317)
	155-12R17-37.5-1	1	3/4" x 37-1/2" Hose (SN 17R2317 & Later)
4	155-08R17-48-1	1	1/2" x 48" Hose 1/2"-14 Male NPTF (All RT Wagon Models) (Prior to SN 17R2317)
	155-08R17-35.5-1	1	1/2" x 35-1/2" Hose (All RT Wagon Models) (SN 17R2317 & Later)
	655-0025	1	3/4" x 48" Hose 3/4"-14 Male NPTF (All RTX Models) (All RT Truck & Trailer Models) (Prior to SN 17R2317)
	155-12R17-35.5-1	1	3/4" x 35-1/2" Hose 3/4"-14 Male NPTF (All RTX Models) (All RT Truck & Trailer Models) (SN 17R2317 & Later)
5	655-0008	1	3/4" Schedule 40 Pipe 24" Long (All RT/RTX222 Models)
	55-0070	1	3/4" Schedule 40 Pipe 48" Long (All RTX224 Models)
	655-0016	1	3/4" Schedule 40 Pipe 72" Long (All RTX226 Models)
6	55-0030	1	3/4" Straight Coupler (All 22', 24' & 26' Models)
7	55-0318	1	3/4" Schedule 40 Pipe 180" Long (All RT216 Models)
	55-0319	1	3/4" Schedule 40 Pipe 204" Long (All RT218 Models)
	55-0317	1	3/4" Schedule 40 Pipe 228" Long (All RT/RTX222 Models)
8	155-08R16-56-1	1	1/2" x 56" Hose (Left Discharge Unit)
	155-08R17-71-1	1	1/2" x 71" Hose (Right Discharge Unit)
9	155-08R16-50-1	1	1/2" x 50" Hose (Left Discharge Unit)
	155-08R17-71-1	1	1/2" x 71" Hose (Right Discharge Unit)
10	55-0027	1	3/4" 90° Elbow
11	55-0027	1	3/4" 90° Elbow (All RTX Models) (All RT Truck & Trailer Models)
	55-0010	1	1/2" 90° Elbow (All RT Wagon Models)
12	55-0044	1	3/4"-1/2" Pipe Reducer Bushing (All RTX Models) (All RT Truck & Trailer Models)
13	55-0044	1	3/4"-1/2" Pipe Reducer Bushing
14	155-5406-08-06	1	1/2"-3/8" Pipe Reducer Bushing (All RT Wagon Models)
15	955-3809	1	3/8" Square Head Plug (Not Used With Gate Delay Equipped Models)
16	55-0011	1	1/2" Tee (All RT Wagon Models)
17	55-0079	1	3/4" Tee (All RTX Models) (All RT Truck & Trailer Models)
18	155-5406-12-6	1	3/4"-3/8" Pipe Reducer Bushing (All RTX Models) (All RT Truck & Trailer Models)
19	55-0081	1	3/4" Steel Plug (All RTX Models) (All RT Truck & Trailer Models)

REAR HYDRAULIC SYSTEM (CONT'D)



Optional Gate Delay Port

**RTH WAGON
(PRIOR TO SN 17R2374)**

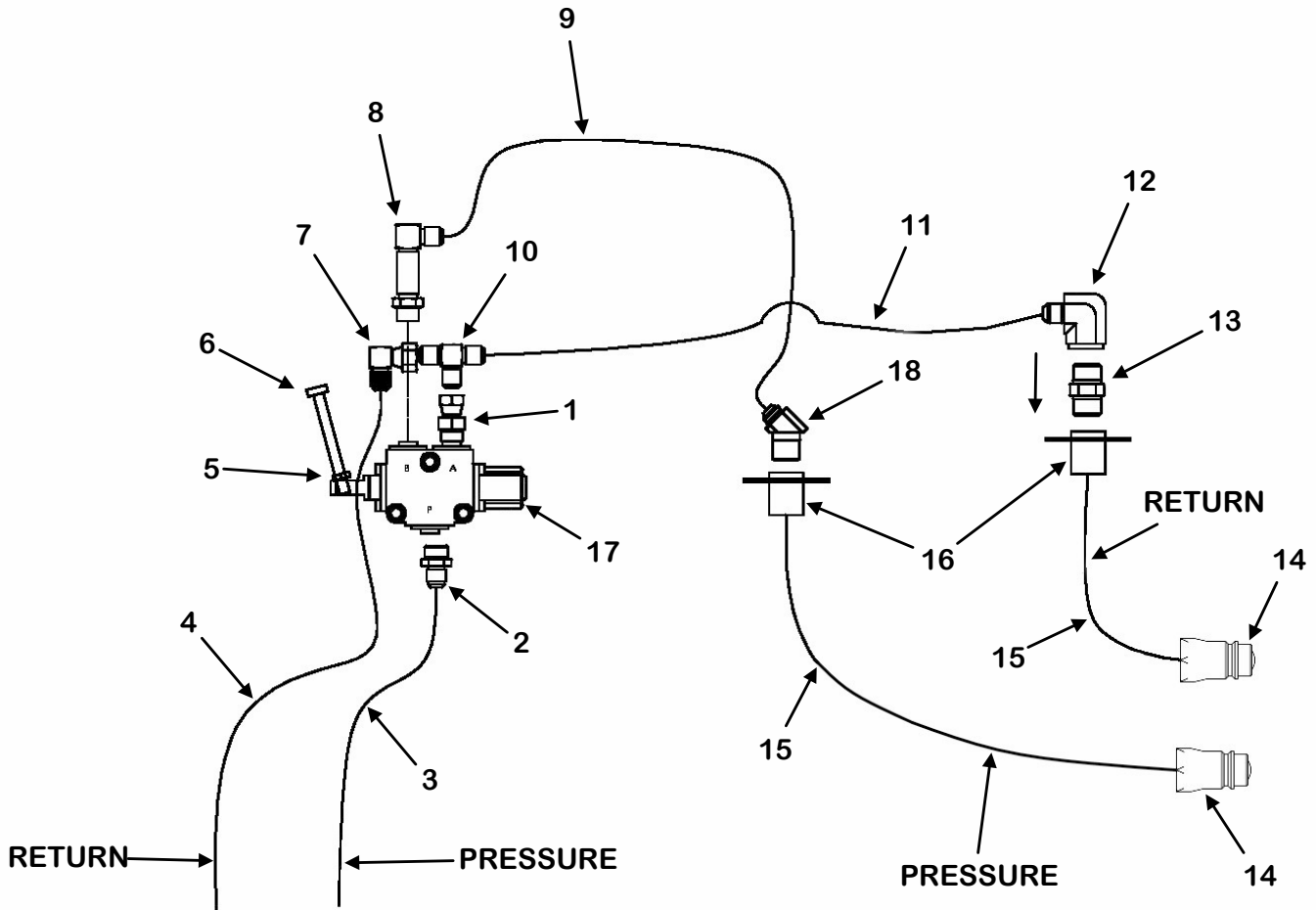


Optional Gate Delay Port

**RTH WAGON (SN 17R2374 & LATER)
RTH TRUCK/TRAILER
RTH ALL MODELS**

KEY	PART NUMBER	QTY	DESCRIPTION
20	55-0079	1	3/4" Tee (All RTX Models) (All RT Truck & Trailer Models)
21	55-0027	1	3/4" 90° Elbow (All RT Wagon Models)
22	155-6902-10-08	1	1/2" 45° Bulkhead (All RT Wagon Models) (Prior to SN 17R2317)
	155-6400-08-10	1	Straight Adapter (All RT Wagon Models) (SN 17R2317 & Later)
	155-6902-10-12	1	3/4" 45° Bulkhead (All RTX Models) (All RT Truck & Trailer Models) (Prior to SN 17R2317)
	155-6400-12-10	1	3/4" Straight Adapter (All RTX Models) (All RT Truck & Trailer Models) (SN 17R2317 & Later)
23	55-0006	1	1/2" Straight Coupler (RT222 Wagon Models)
	55-0030	1	3/4" Straight Coupler (All RTX222/24/26 Models) (RT222 Truck & Trailer Models)
24	55-0074	1	1/2" Schedule 40 Pipe 24" Long (RT222 Wagon Models)
	655-0008	1	3/4" Schedule 40 Pipe 24" Long (All RTX222 Models) (RT222 Truck & Trailer Models)
	55-0070	1	3/4" Schedule 40 Pipe 24" Long (All RT/RTX222 Models)
	655-0016	1	3/4" Schedule 40 Pipe 48" Long (All RTX224 Models)
25	55-0320	1	1/2" Schedule 40 Pipe 180" Long (RT216 Wagon Models)
	55-0321	1	1/2" Schedule 40 Pipe 204" Long (RT218 Wagon Models)
	55-0322	1	1/2" Schedule 40 Pipe 228" Long (RT220/22 Wagon Models)
	55-0318	1	3/4" Schedule 40 Pipe 180" Long (RT216 Truck & Trailer Models)
	55-0319	1	3/4" Schedule 40 Pipe 204" Long (RT218 Truck & Trailer Models)
	55-0317	1	3/4" Schedule 40 Pipe 228" Long (All RTX Models) (RT220/22 Truck & Trailer Models)
26	155-6502-08-08	1	45° Swivel Elbow (All RT Wagon Models) (SN 17R2317 & Later)
	155-6502-12	1	45° Swivel Elbow (All RTX Models) (All RT Truck & Trailer Models) (SN 17R2317 & Later)
27	155-2404-08-08	1	Straight Adapter Union (All RT Wagon Models) (SN 17R2317 & Later)
	155-2404-12-12	1	Straight Adapter Union (All RTX Models) (All RT Truck & Trailer Models) (SN 17R2317 & Later)
28	155-6502-12	1	45° Swivel Elbow (SN 17R2317 & Later)
29	155-2404-12-12	1	Straight Adapter Union (SN 17R2317 & Later)

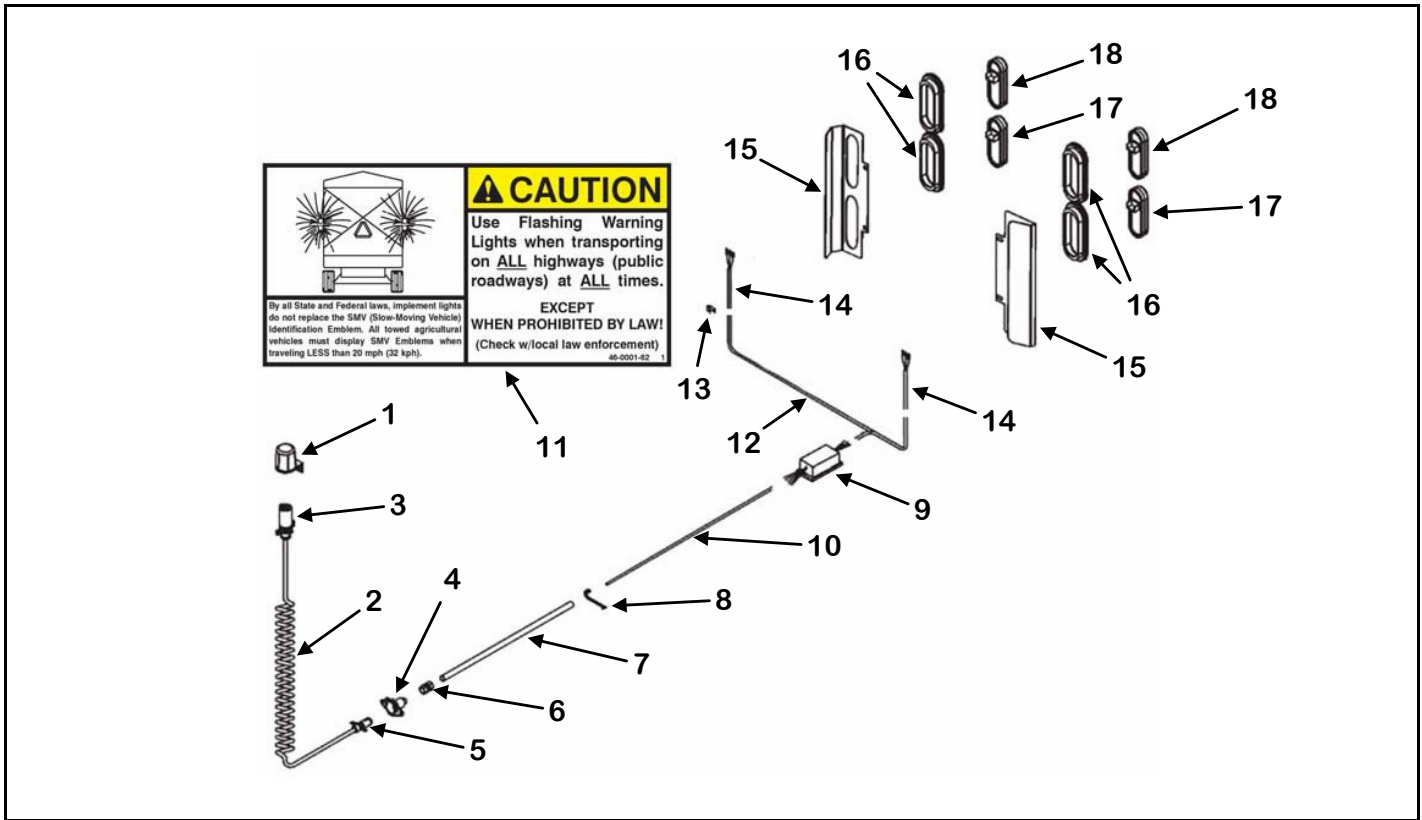
FRONT HYDRAULIC SYSTEM



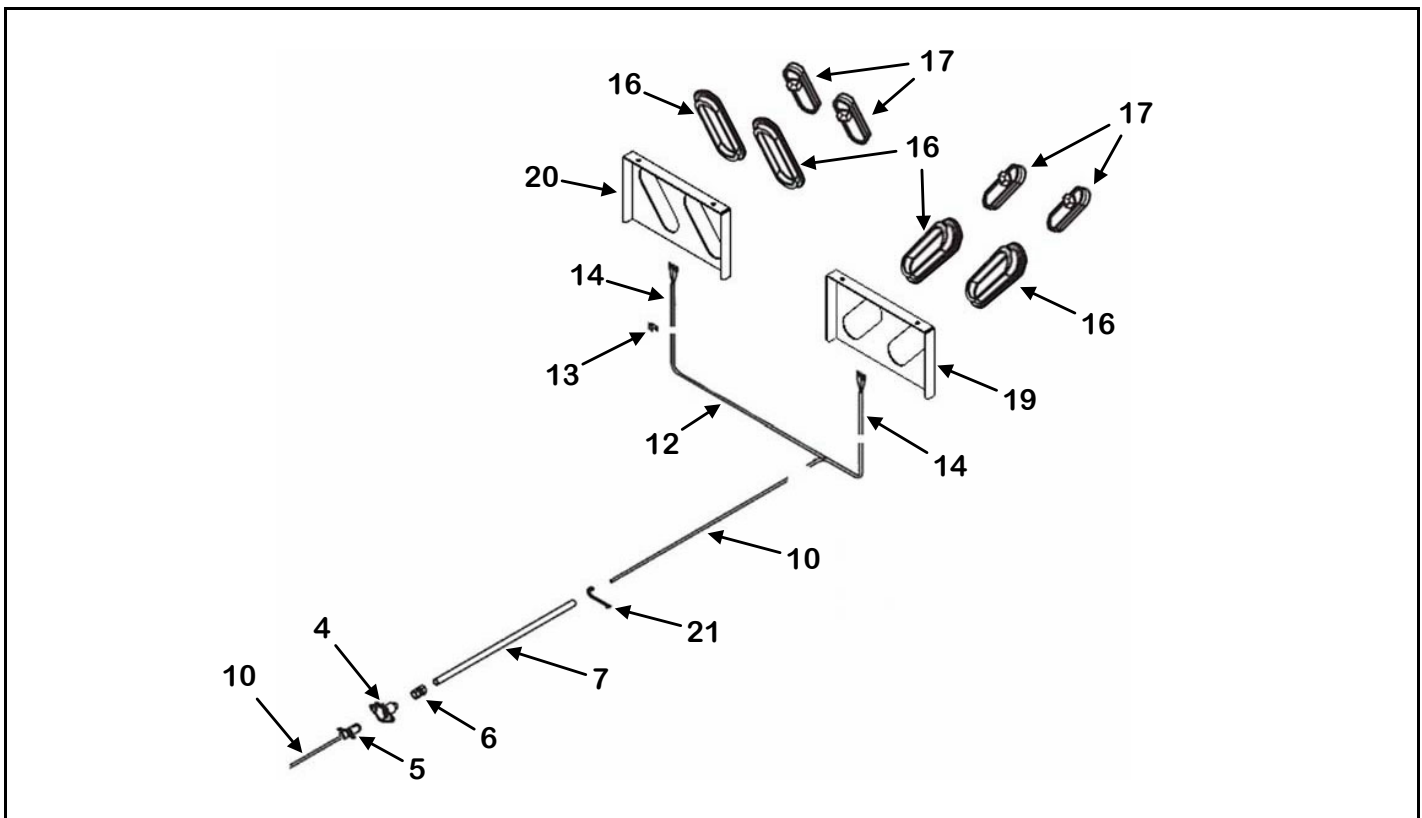
To Rear Hydraulic System See Page 140.

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-6402-10-08	1	Female Straight Swivel
2	155-6400-08-10	1	Straight Connector
3	See Page 140	1	1/2" x 50" Hose (Left Discharge Unit)
	See Page 140	1	1/2" x 71" Hose (Right Discharge Unit)
4	See Page 140	1	1/2" x 56" Hose (Left Discharge Unit)
	See Page 140	1	1/2" x 71" Hose (Right Discharge Unit)
5	826-M10-1.5-Z	1	M10-1.5 Hex Jam Nut
6	851-M10-1.5-100-Z	1	M10-1.5 x 100MM Metric Hex Head Machine Bolt
7	155-6500-08-08	1	90° Female Swivel
8	155-6801LL-08-10	1	90° Extra Long Elbow
9	155-08R17-29-1	1	1/2" x 29" Hose
10	155-2603-08-08-08	1	Male Tee
11	155-08R17-30-1	1	1/2" x 30" Hose
12	155-2502-08-12	1	90° Female Elbow
13	155-CV-1906P	1	3/4"-14 In-Line Check Valve
14	55-0013	2	Male Coupling Tip (Wagon & Trailer Models Only)
15	155-08R16-132-1	2	1/2" x 132" Hose (Wagon & Trailer Models Only)
16	25-1107	2	Coupler Mount
17	155-DCV-DF10-1	1	3-Way 2-Position Control Valve With Lever Less Handle
18	155-2503-08-12	1	45° Male Elbow

TRAILER/WAGON HIGHWAY LIGHT PACKAGE KIT

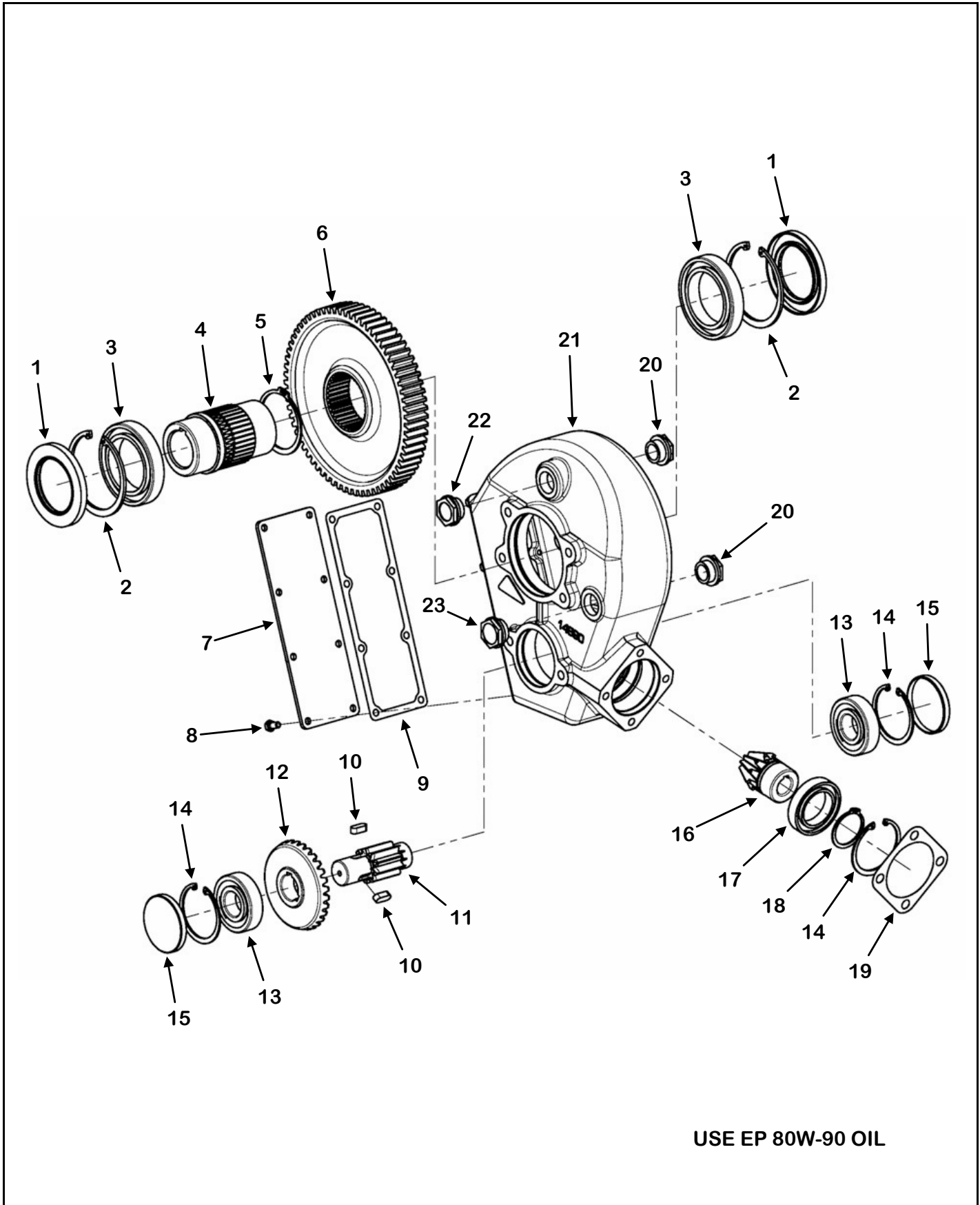


TRUCK HIGHWAY LIGHT PACKAGE KIT



KEY	PART NUMBER	QTY	DESCRIPTION
0	52-0019-LED-PKG	1	Trailer/Wagon LED Light Package
	52-0035-RT-LED-PKG	1	Truck LED Light Package
1	56-0009	1	Store-A-Way Plug Holder (7 Pole Plug)
2	56-0005	1	Coil Cable Assembly
3	56-0005-4	1	7-Contact Plug Only
4	56-0004	1	4-Pin Socket
5	56-0005-1	1	4 Pole Plug
6	56-0007	1	1/2" EMT Coupler
7	56-0056	1	Light Wire Tube 1/2" Diameter x 24-5/16" Long
8	56-0033	2	3/4" Loom Clamp
9	56-0084	1	LED Enhancer Module With Connectors
10	56-0037	AR	4 Conductor Trailer Cable
11	46-0001-62	1	Caution Tail Light Decal
12	56-0130-1	1	Y-Harness Less Light Plug Leads
13	32-0024	2	3/8" Plated Loom Clamp
14	56-0130-2	2	Right/Left Light Pigtail Lead
15	25-0259	2	Light Mount Bracket
16	56-0082	4	Oval Grommet
17	56-0115	2	6" 7-Diode Oval Lamp With Red LED Lumen (Trailer/Wagon Mount)
	56-0115	4	6" 7-Diode Oval Lamp With Red LED Lumen (Truck Mount)
18	56-0081	2	6" 7-Diode Oval Lamp With Amber LED Lumen
19	25-0854	1	Rear Left Light Mount
20	25-0853	1	Rear Right Light Mount
21	56-0053	2	1/4" Vinyl Coated Steel Clamp

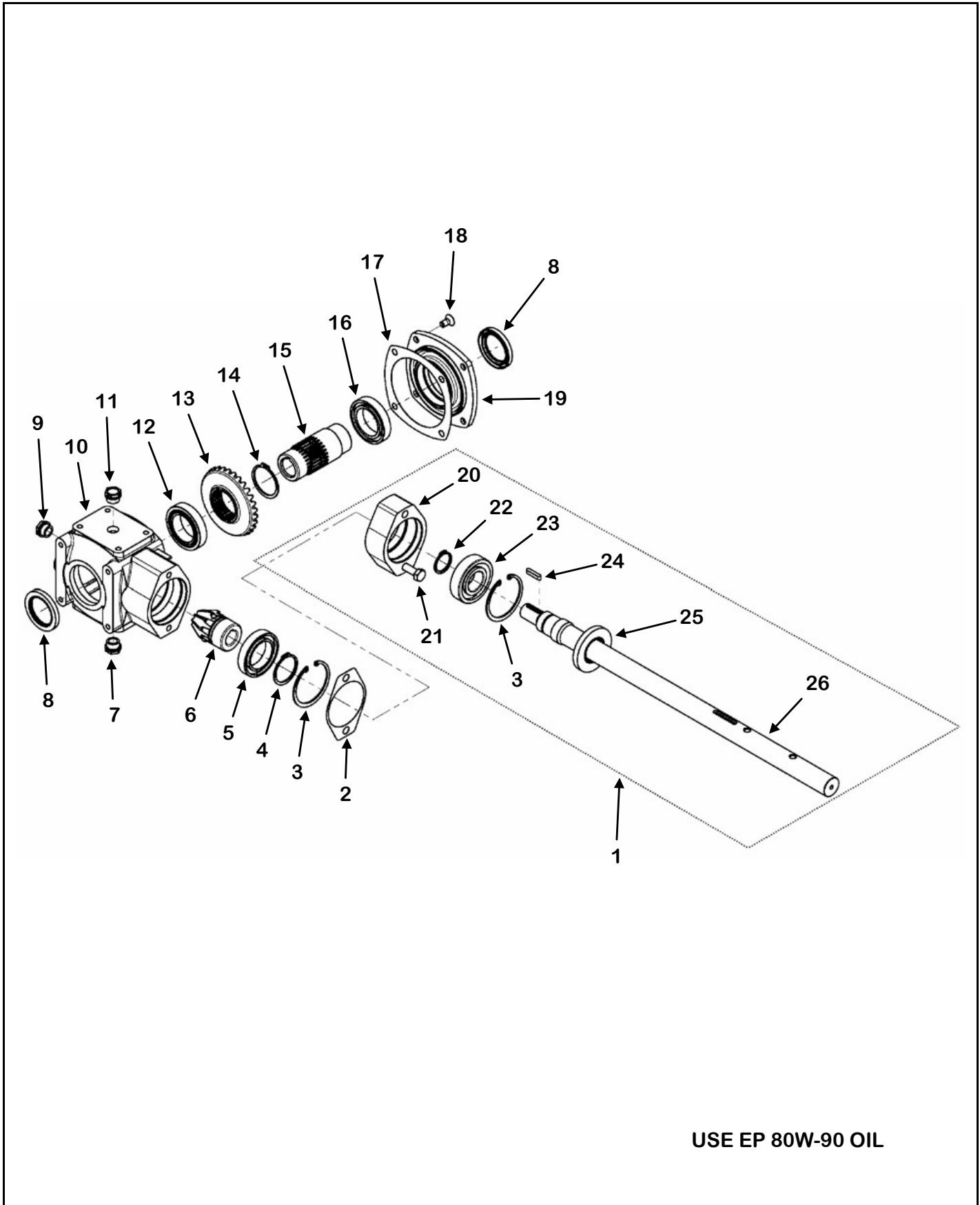
REAR APRON GEARBOX



USE EP 80W-90 OIL

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0201	1	21.1:1 Berma Gearbox
1	19-0201-11	2	Oil Seal
2	19-0201-6	2	Snap Ring
3	19-0201-5	2	Bearing
4	19-0201-2	1	Hub 2"
5	19-0201-4	1	Snap Ring
6	19-0201-3	1	Gear
7	19-0201-14	1	Cover
8	619-0001-27	8	M8 x 16 Hex Head Screw
9	19-0201-13	1	Gasket
10	19-0201-9	2	Key
11	19-0201-7	1	Pinion
12	19-0201-8	1	Gear
13	619-0001-15	2	Bearing
14	619-0001-16	3	Snap Ring
15	619-0001-22	2	Cap Plug
16	19-0201-10	1	Pinion
17	619-0012-2	1	Bearing
18	619-0001-19	1	Snap Ring
19	619-0001-28	1	Gasket
20	19-0201-12	2	Fill Plug
21	19-0201-1	1	Housing
22	619-0001-20	1	Breather Plug
23	619-0001-21	1	Sight Plug

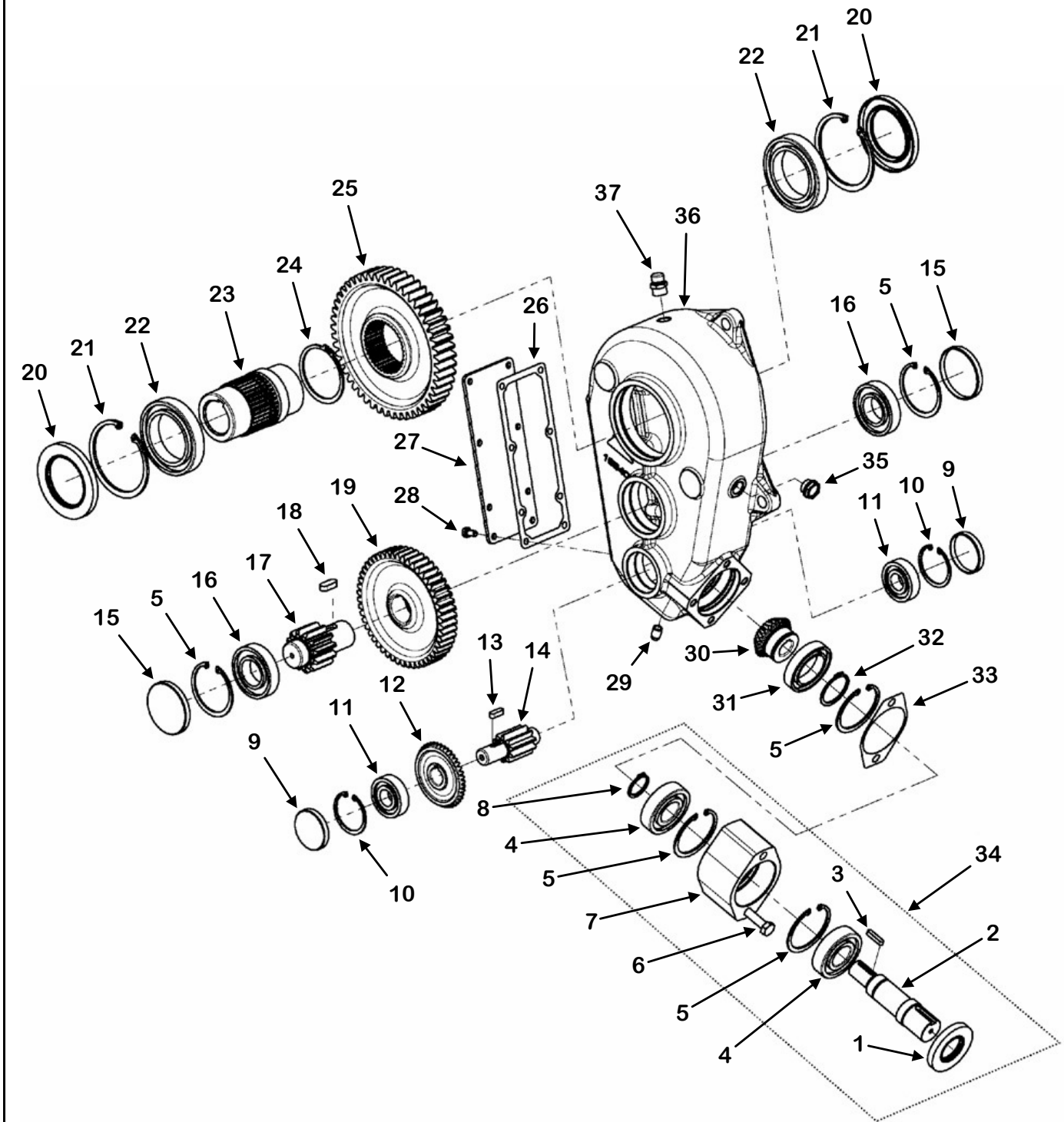
AUGER GEARBOX



USE EP 80W-90 OIL

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0207	1	3.1:1 Berma Auger Gearbox
1	19-0207-12	1	Complete Input Shaft Kit
2	19-0203-17	1	Gearbox Input Gasket
3	619-0001-16	1	Snap Ring
4	619-0001-19	1	Snap Ring
5	619-0012-2	1	Bearing
6	19-0207-4	1	Pinion
7	19-0203-15	1	Oil Plug
8	19-0203-10	2	Double Lip Oil Seal
9	19-0203-14	1	Oil Level Indicator
10	19-0207-1	1	Housing
11	19-0208-19	1	Oil Breather Plug
12	19-0203-5	1	Output Bearing
13	19-0207-3	1	Gear
14	19-0203-3	1	Snap Ring
15	19-0207-2	1	1-1/4" Diameter Hub
16	619-0001-18	1	Bearing
17	19-0207-5	1	Gasket
18	19-0203-13	4	M10 x 20 Screw
19	19-0203-12	1	Cover
20	19-0207-6	1	Support
21	19-0207-7	2	M12 x 65 Hex Head Screw
22	19-0207-8	1	Snap Ring
23	619-0001-15	1	Bearing
24	19-0207-9	1	Key
25	19-0207-10	1	Oil Seal
26	19-0207-11	1	Input Shaft

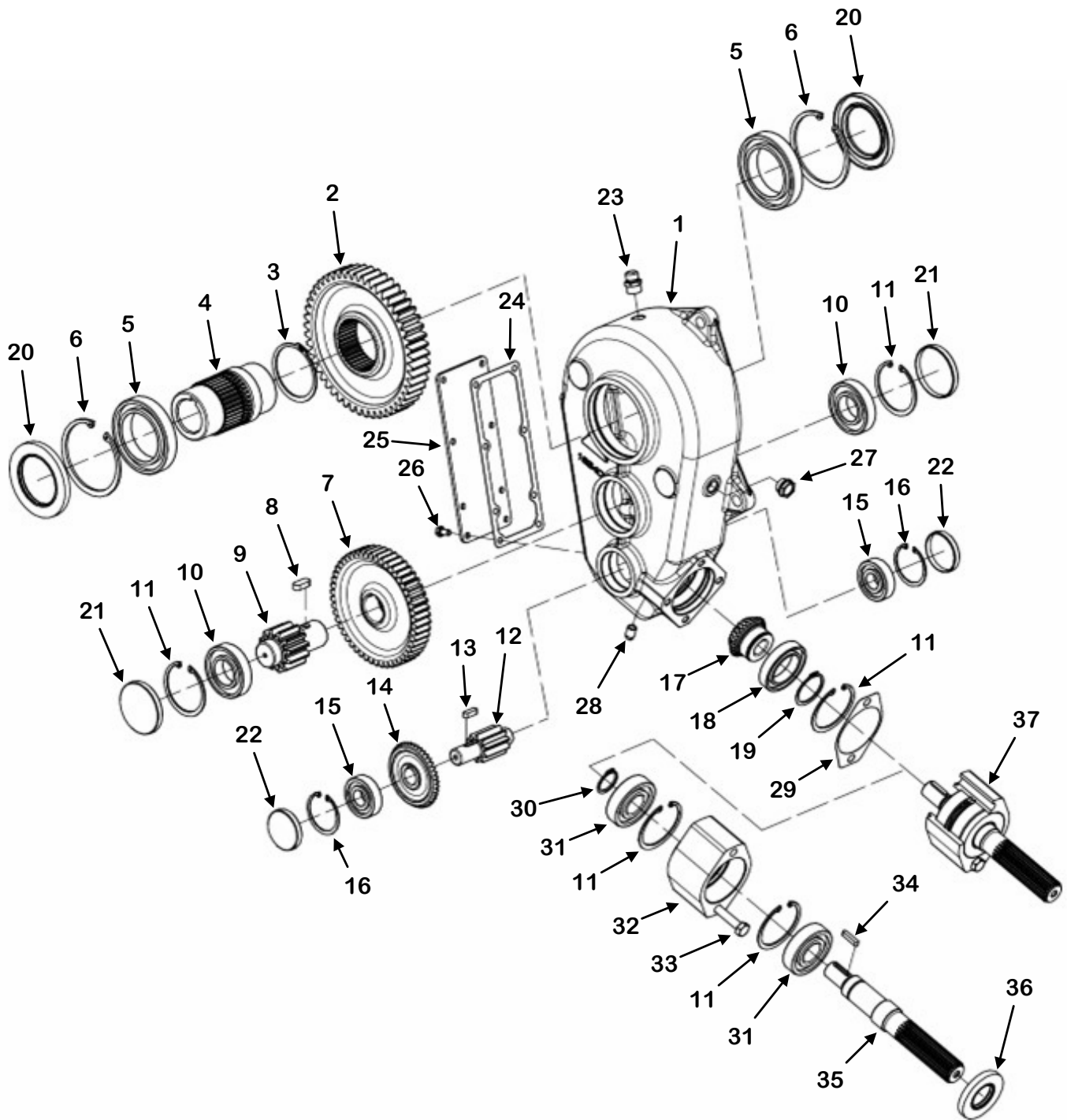
FRONT APRON GEARBOX (PRIOR TO 2018 MODEL YEAR)



USE EP 80W-90 OIL

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0208	1	31.4:1 Berma Apron Gearbox
1	19-0207-10	1	Oil Seal
2	19-0208-15	1	Shaft
3	19-0207-9	1	Key
4	619-0001-15	2	Bearing
5	619-0001-16	5	Snap Ring
6	19-0208-16	2	M12 x 85 Hex Head Screw
7	19-0208-14	1	Support
8	19-0207-8	1	Snap Ring
9	19-206-14	2	Cap
10	19-0206-11	2	Snap Ring
11	19-0206-10-CA	2	Bearing
12	19-0208-9	1	Gear
13	19-0208-10	1	Key
14	19-0208-8	1	Pinion
15	619-0001-22	2	Cap
16	914-0508-2	2	Bearing
17	19-0208-5	1	Pinion
18	19-0208-6	1	Key
19	19-0208-4	1	Gear
20	19-0201-11	2	Oil Seal
21	19-0201-6	2	Snap Ring
22	19-0201-5	2	Bearing
23	19-0208-2	1	2" Diameter Hub
24	19-0201-4	1	Snap Ring
25	19-0208-3	1	Gear
26	19-0208-12	1	Cover Gasket
27	19-0208-13	1	Cover
28	619-0001-27	8	M8 x 16 Cover Bolt
29	19-0208-18	1	Oil Plug
30	19-0208-11	1	Pinion
31	619-0012-2	1	Bearing
32	619-0001-19	1	Snap Ring
33	19-0203-17	1	Input Gasket
34	19-0208-17	1	Complete Input Shaft Assembly
35	19-0203-14	1	Oil Level Indicator
36	19-0208-1	1	Housing
37	19-0208-19	1	Oil Breather Plug

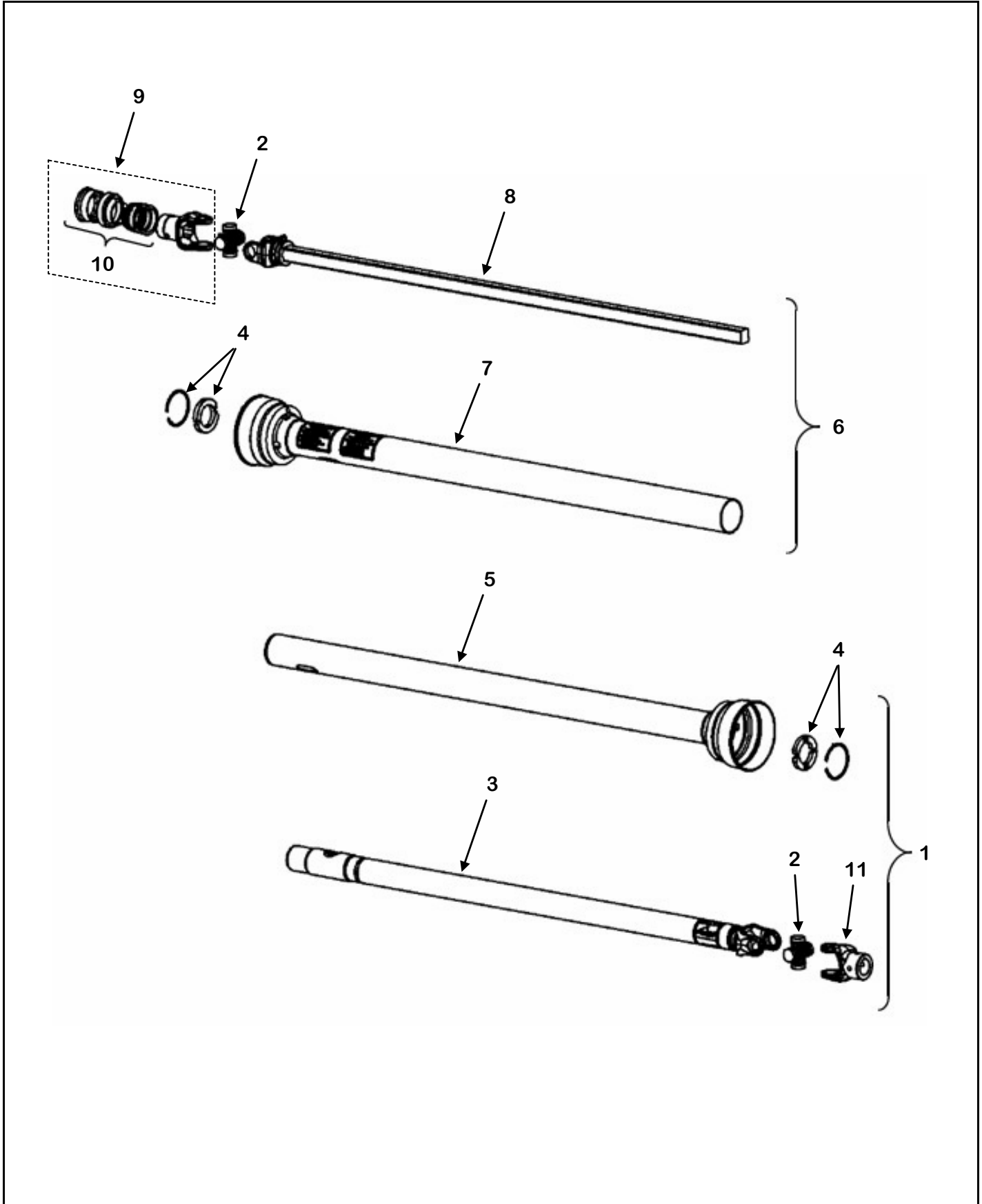
**FRONT APRON GEARBOX
(2018 MODEL YEAR & LATER)**



USE EP 80W-90 OIL

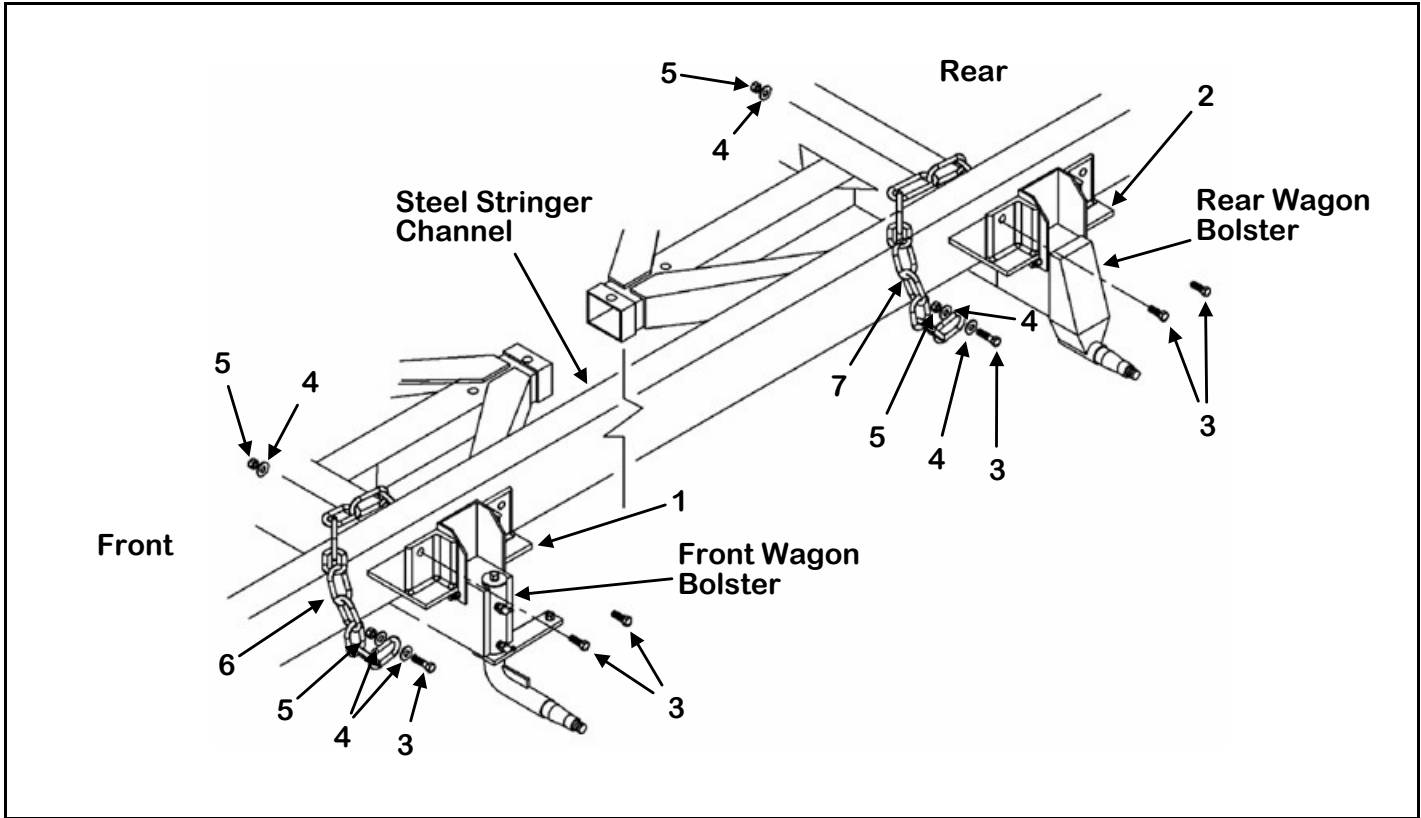
KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0212	1	31.4:1 Berma Apron Gearbox
1	19-0208-1	1	Housing
2	19-0208-3	1	Gear
3	19-0201-4	1	Snap Ring
4	19-0208-2	1	2" Diameter Hub
5	19-0201-5	2	Bearing
6	19-0201-6	2	Snap Ring
7	19-0208-4	1	Gear
8	19-0208-6	1	Key
9	19-0208-5	1	Pinion
10	19-0208-7	2	Bearing
11	619-0001-16	5	Snap Ring
12	19-0208-8	1	Pinion
13	19-0208-10	1	Key
14	19-0208-9	1	Gear
15	19-0206-10	2	Bearing
16	19-0206-11	2	Snap Ring
17	19-0208-11	1	Pinion
18	619-0012-2	1	Bearing
19	619-0001-19	1	Snap Ring
20	19-0201-11	2	Oil Seal
21	619-0001-22	2	Cap
22	19-0206-14	2	Cap
23	19-0208-19	1	Oil Breather Plug
24	19-0208-12	1	Cover Gasket
25	19-0208-13	1	Cover
26	619-0001-27	8	M8 x 16 Cover Bolt
27	19-0203-14	1	Oil Level Indicator
28	19-0208-18	1	Oil Plug
29	19-0203-17	1	Input Gasket
30	19-0207-8	1	Snap Ring
31	619-0001-15	2	Bearing
32	19-0208-14	1	Support
33	19-0208-16	2	M12 x 85 Hex Head Screw
34	19-0207-9	1	Key
35	19-0212-1	1	Shaft
36	19-0207-10	1	Oil Seal
37	19-0212-2	1	Complete Input Shaft Assembly

12R UNIVERSAL JOINT TELESCOPING ASSEMBLY WITH GUARD



KEY	PART NUMBER	QTY	DESCRIPTION
0	18-0017	1	Joint Assembly, 12R Universal
1	18-0017-19	1	Joint & Tube Half With Guard Set (Implement Half)
2	18-0017-9	2	12R Cross & Bearing Kit
3	18-0017-6	1	Yoke, Tube & Slip Sleeve
4	18-0017-10	2	Nylon Repair Kit
5	18-0017-20	1	Guard Set With Bearing & Retainer (Prior to SN 18R2241)
	18-0017-20-2	1	Inner Guard With Bearing & Retainer (SN 18R2241 & Later)
6	18-0017-1	1	Joint & Shaft Half With Guard (Tractor Half) (Prior to SN 18R2241)
	18-0017-18	1	Joint & Shaft Half With Guard Set (Tractor Half) (SN 18R2241 & Later)
7	18-0017-20	1	Guard Set With Bearing & Retainer (Prior to SN 18R2241)
	18-0017-20-1	1	Outer Guard With Bearing & Retainer (SN 18R2241 & Later)
8	18-0017-3	1	Yoke & Shaft
9	18-0017-7	1	Spring-Lock Yoke Assembly
10	18-0005-16	1	Spring-Lock Repair Kit
11	18-0017-13	1	Yoke, 1-1/4" Bore, 1/4" Keyway, With Roll Pin Hole

STEEL STRINGER TIE DOWN



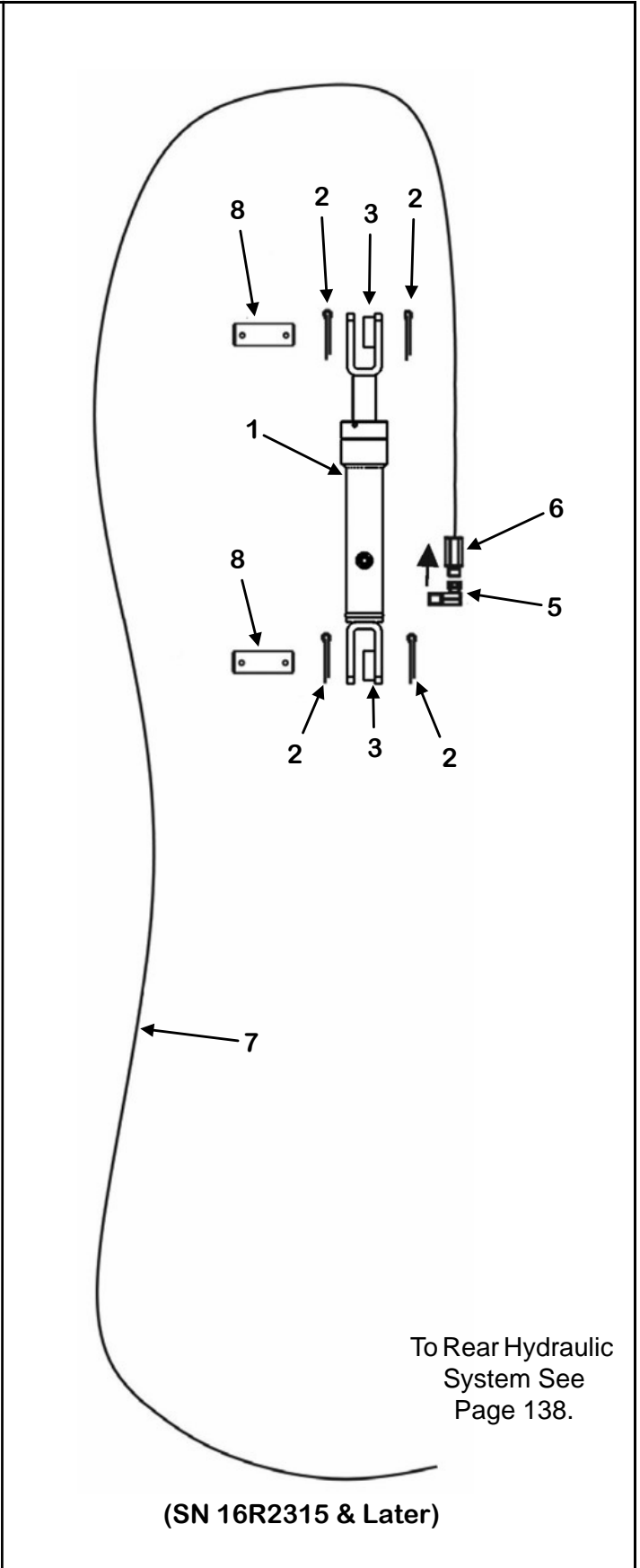
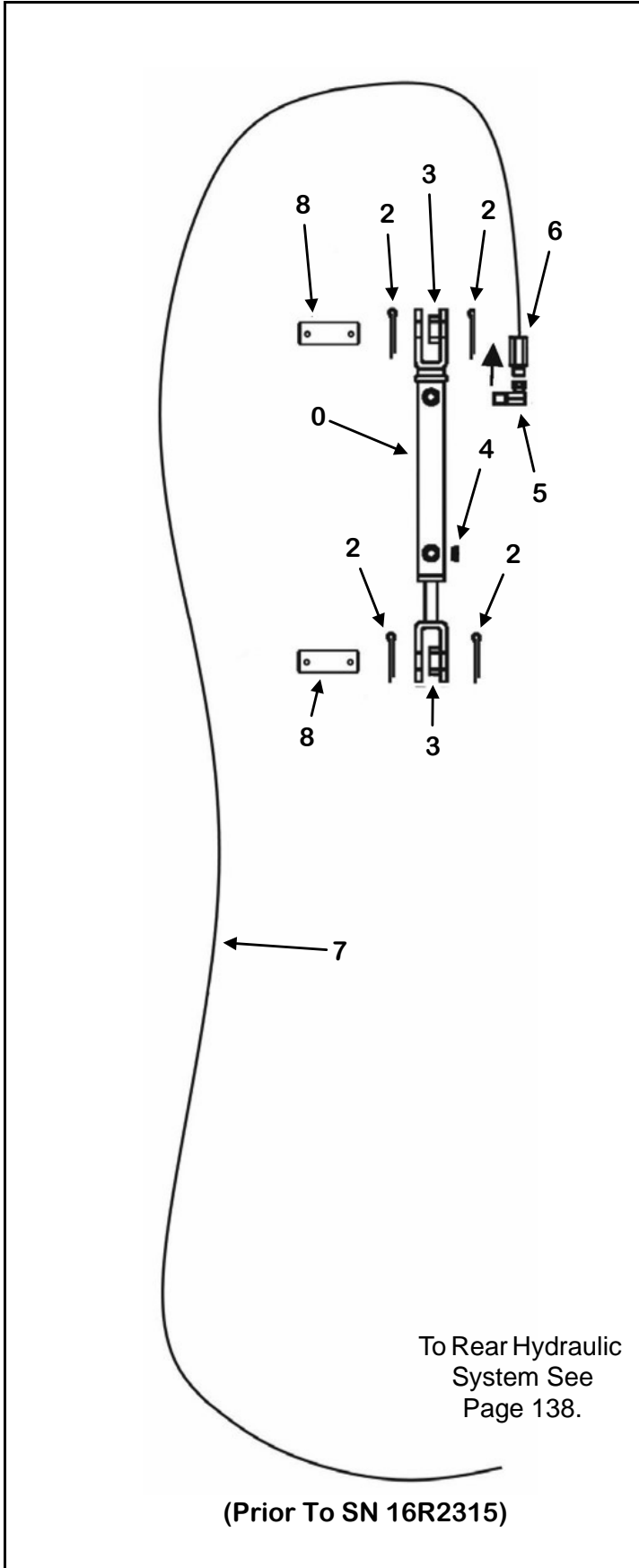
KEY	PART NUMBER	QTY	DESCRIPTION
1	75-5015	2	Standard Stake Pocket Weldment
	75-5006	2	3" Riser Stake Pocket Weldment
2	75-5015	2	Standard Stake Pocket Weldment
	75-5006	2	3" Riser Stake Pocket Weldment (All Models Except DRX2206)
	75-5007	1	3" Riser Stake Pocket Weldment (DRX2206 Only)
3	851-5013-1.75Z	16	1/2" x 1-1/2" Hex Machine Bolt
4	805-0050-Z	16	1/2" Flat Washers
5	885-5013-Z	16	1/2" Nylon Insert Lock Nut
6	820-0022-15	2	22-1/8" Heavy Duty Tie Down Chain (Standard DRX1704 & DRX2206)
	820-0022-20	2	29-1/4" Heavy Duty Tie Down Chain (3" Riser DRX1704 & DRX2206)
	820-0022-27	2	39-1/4" Heavy Duty Tie Down Chain (Standard SRX1304, SRX1506, DRX1604 & DRX1906)
	820-0022-32	2	46-3/8" Heavy Duty Tie Down Chain (3" Riser SRX1304, SRX1506, DRX1604 & DRX1906)
7	820-0022-20	2	29-1/4" Heavy Duty Tie Down Chain (Standard SRX1304, SRX1506, DRX1604, DRX1704, DRX1906 & DRX2206)
	820-0022-25	2	36-3/8" Heavy Duty Tie Down Chain (3" Riser SRX1304, SRX1506, DRX1604, DRX1704, DRX1906 & DRX2206)

10.0 OPTIONAL PARTS



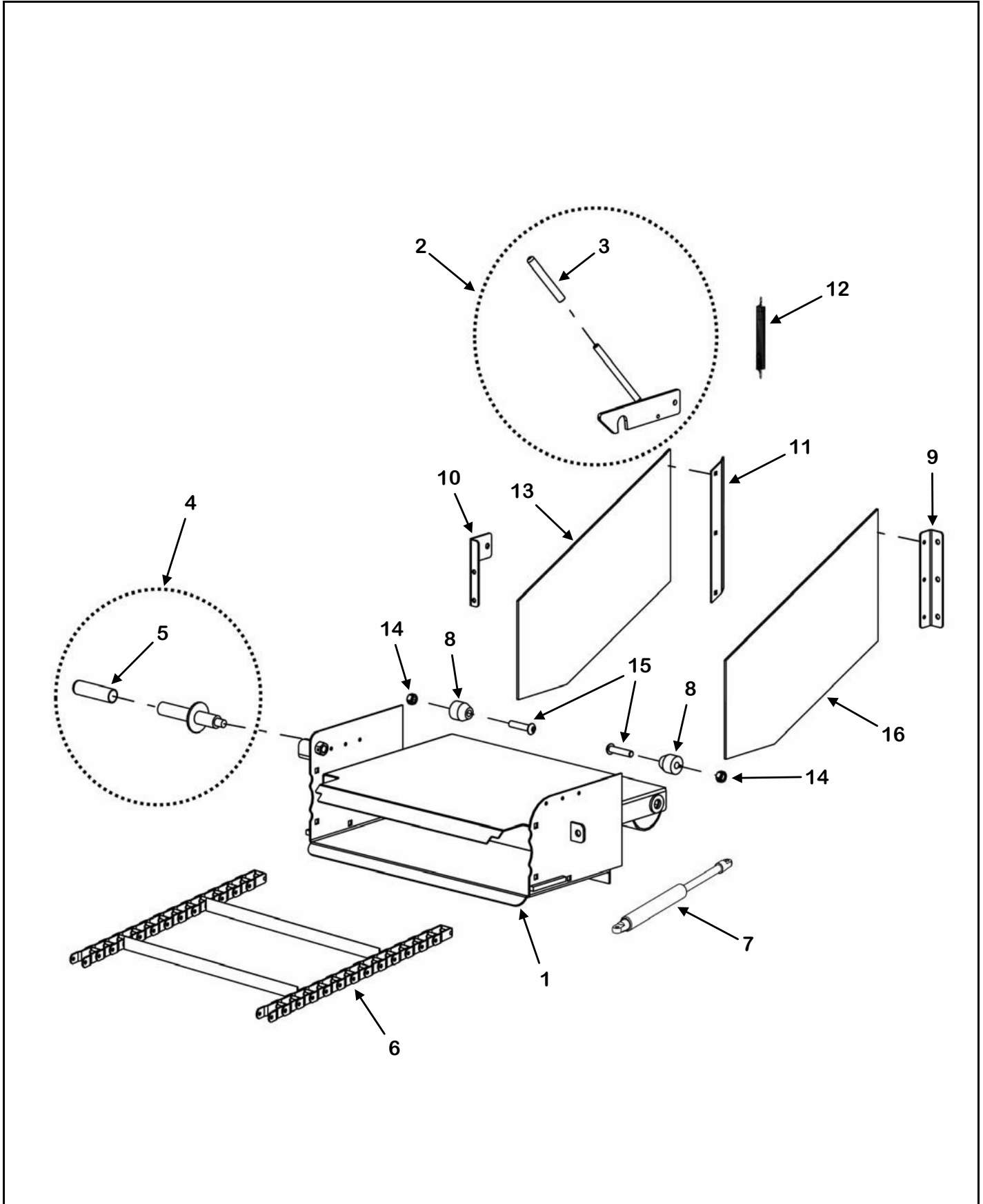
DESCRIPTION	PAGE #
REAR GATE DELAY	See Page 160
24", 36", 48" CHAIN CROSS CONVEYOR EXTENSION KIT	See Page 162
HYDRAULIC EXTENSION SCHEMATIC	See Page 166
HYDRAULIC FRONT DRIVE SINGLE HOSE SET	See Page 168
HYDRAULIC FRONT DRIVE DUAL HOSE SET	See Page 170
HYDRAULIC FRONT DRIVE TRUCK	See Page 172
SIDE HOOD DEFLECTOR	See Page 174
REAR DOUBLE DOOR	See Page 176
REAR DOUBLE DOOR HYDRAULIC SCHEMATIC	See Page 180
SOLID FRONT ENCLOSURE	See Page 182
GRAIN KIT	See PB-RT-GK

REAR GATE DELAY



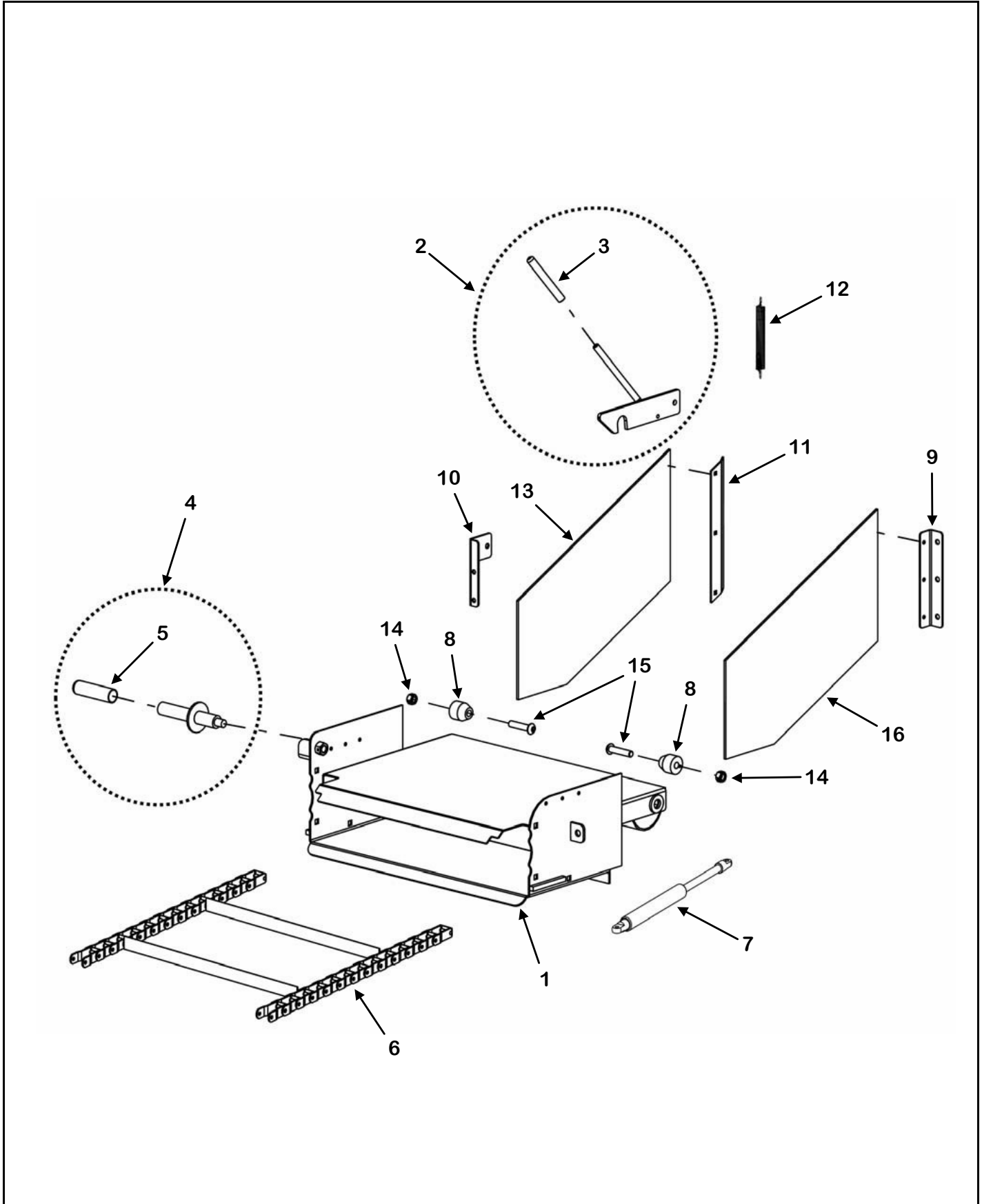
KEY	PART NUMBER	QTY	DESCRIPTION
0	RT-GDS-P-KIT	1	Pressure Side Rear Gate Delay Closing Option
1	155-D-1.25-8-1	1	1-1/4" x 8" Hydraulic Cylinder With Pins
	155-D-1.25-SK	1	Displacement Hydraulic Cylinder Seal Kit (SN 18R2295 & Later)
2	823-19-2	4	3/16" x 2" Cotter Pin
3	33-0309	2	Cylinder Pin Spacer
4	55-0307	1	Breather Vent (Prior to SN 18R2295)
5	55-0055	1	Male To Swivel Female Fitting (Prior to SN 18R2295)
	155-6901-06-06	1	90° Degree Adapter Fitting (SN 18R2295 & Later)
6	155-CV-375-1	1	Check Valve
7	155-04R17-158-1	1	1/4" x 158" Hose
8	955-3802-10	2	Cylinder Pivot Pin With Clips 1" x 3-1/2"
NS	32-0033	4	1/2" Loom Clamp
NS	65-0006-5	5	14" Nylon Tie Strap
NS	810-2520-Z	4	1/4" Spin Lock Nut
NS	851-2520-.75Z	4	1/4" x 3/4" Machine Bolt

24", 36", 48" CHAIN CROSS CONVEYOR EXTENSION KIT



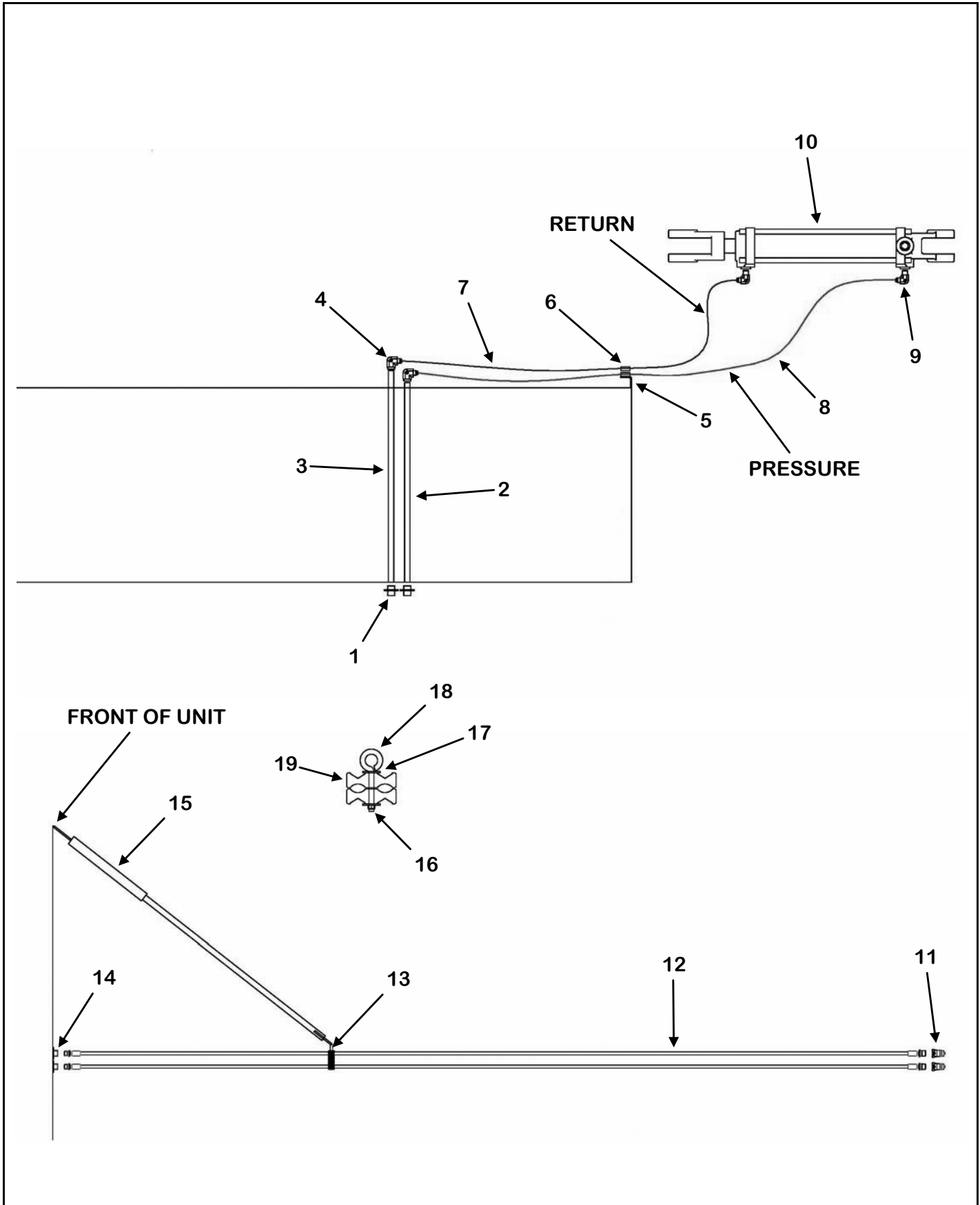
KEY	PART NUMBER	QTY	DESCRIPTION
	RT-HCE	1	Non-Hydraulic To Hydraulic Extension Conversion Kit
0	RT-CE-1K	1	Left Discharge 24" Cross Conveyor Extension Kit
	RT-CE-1K-RH	1	Right Discharge 24" Cross Conveyor Extension Kit
	RT-HCE-1K	1	Left Discharge 24" Hydraulic Cross Conveyor Extension Kit
	RT-HCE-1K-RH	1	Right Discharge 24" Hydraulic Cross Conveyor Extension Kit
	RT-CE-2K	1	Left Discharge 36" Cross Conveyor Extension Kit
	RT-CE-2K-RH	1	Right Discharge 36" Cross Conveyor Extension Kit
	RT-HCE-2K	1	Left Discharge 36" Hydraulic Cross Conveyor Extension Kit
	RT-HCE-2K-RH	1	Right Discharge 36" Hydraulic Cross Conveyor Extension Kit
	RT-CE-3K	1	Left Discharge 48" Cross Conveyor Extension Kit
	RT-CE-3K-RH	1	Right Discharge 48" Cross Conveyor Extension Kit
	RT-HCE-3K	1	Left Discharge 48" Hydraulic Cross Conveyor Extension Kit
	RT-HCE-3K-RH	1	Right Discharge 48" Hydraulic Cross Conveyor Extension Kit
1	45-0301-1	1	Left Discharge 24" Cross Conveyor Extension Frame Weldment
	45-0301-1-RH	1	Right Discharge 24" Cross Conveyor Extension Frame Weldment
	45-0301-1-FB	1	Left Discharge 24" Hydraulic Cross Conveyor Extension Frame Weldment
	45-0301-1-FB-RH	1	Right Discharge 24" Hydraulic Cross Conveyor Extension Frame Weldment
	45-0302-1	1	Left Discharge 36" Cross Conveyor Extension Frame Weldment
	45-0302-1-RH	1	Right Discharge 36" Cross Conveyor Extension Frame Weldment
	45-0302-1-FB	1	Left Discharge 36" Hydraulic Cross Conveyor Extension Frame Weldment
	45-0302-1-FB-RH	1	Right Discharge 36" Hydraulic Cross Conveyor Extension Frame Weldment
	45-0305-1	1	Left Discharge 48" Cross Conveyor Extension Frame Weldment
	45-0305-1-RH	1	Right Discharge 48" Cross Conveyor Extension Frame Weldment
	45-0305-1-FB	1	Left Discharge 48" Hydraulic Cross Conveyor Extension Frame Weldment
	45-0305-1-FB-RH	1	Right Discharge 48" Hydraulic Cross Conveyor Extension Frame Weldment
2	25-0726	1	Extension Catch Bracket With Handle & Grip (Non-Hydraulic Lift Only)
3	51-0006	1	1/2" x 4" Rubber Grip Extension Handle (Non-Hydraulic Lift Only)

24", 36", 48" CHAIN CROSS CONVEYOR EXTENSION KIT (CONT'D)



KEY	PART NUMBER	QTY	DESCRIPTION
4	51-0001	1	Cross Conveyor Extension Handle Welded Assembly With Grip, 24" (Non-Hydraulic Lift Only)
	51-0001	2	Cross Conveyor Extension Handle Welded Assembly With Grip, 36" & 48" (Non-Hydraulic Lift Only)
5	51-0004	1	1" x 4" Black Plastic Grip Extension Handle, 24" (Non-Hydraulic Lift Only)
	51-0004	2	1" x 4" Black Plastic Grip Extension Handle, 36" & 48" (Non-Hydraulic Lift Only)
6	11-0281-2-D	1	Cross Apron Pintle Chain Extension Assembly 662-13 Link, 24" (HCE-1)
	11-0281-2-D-36	1	Cross Apron Pintle Chain Extension Assembly 662-13 Link, 36" (HCE-1)
	11-0281-2-D-48	1	Cross Apron Pintle Chain Extension Assembly 662-13 Link, 48" (HCE-1)
7	155-GS-0001	2	Gas Spring, 5.5" Stroke, 15" 80 PSI, 24" (Non-Hydraulic Lift Only)
	955-3703	2	Gas Spring, 5.5" Stroke, 15" 120 PSI, 36" & 48" (Non-Hydraulic Lift Only)
8	23-0310	2	Chain Hold Down Shaft 17/32" ID x 1-1/2" OD x 1.5"
9	25-0075	1	Extension Belting Bracket
10	25-0728	1	Extension Handle Catch Mount Bracket (Non-Hydraulic Lift Only)
11	25-0833	1	Front Extension Belting Bracket
12	29-0005	1	Extension Spring Front Gate & Extension Catch (Non-Hydraulic Lift Only)
13	49-0321	1	Front Extension Belt (24" Extension)
	49-0318	1	Front Extension Belt (36" Extension)
	49-0320	1	Front Extension Belt (48" Extension)
14	814-5013-Z	2	1/2"-13 Indented Lock Nut
15	832-5013-2.25Z	2	1/2"-13 x 2-1/4" Finish Button Socket Cap Screw
16	49-0312	1	Rear Extension Belt (24" Extension)
	49-0317	1	Rear Extension Belt (36" Extension)
	49-0319	1	Rear Extension Belt (48" Extension)
NS	25-0755	1	Cylinder Upper Mount Weldment (Hydraulic Extension)
NS	833-0025-Z	4	1/4" Push Bolt Retainer (Hydraulic Extension)

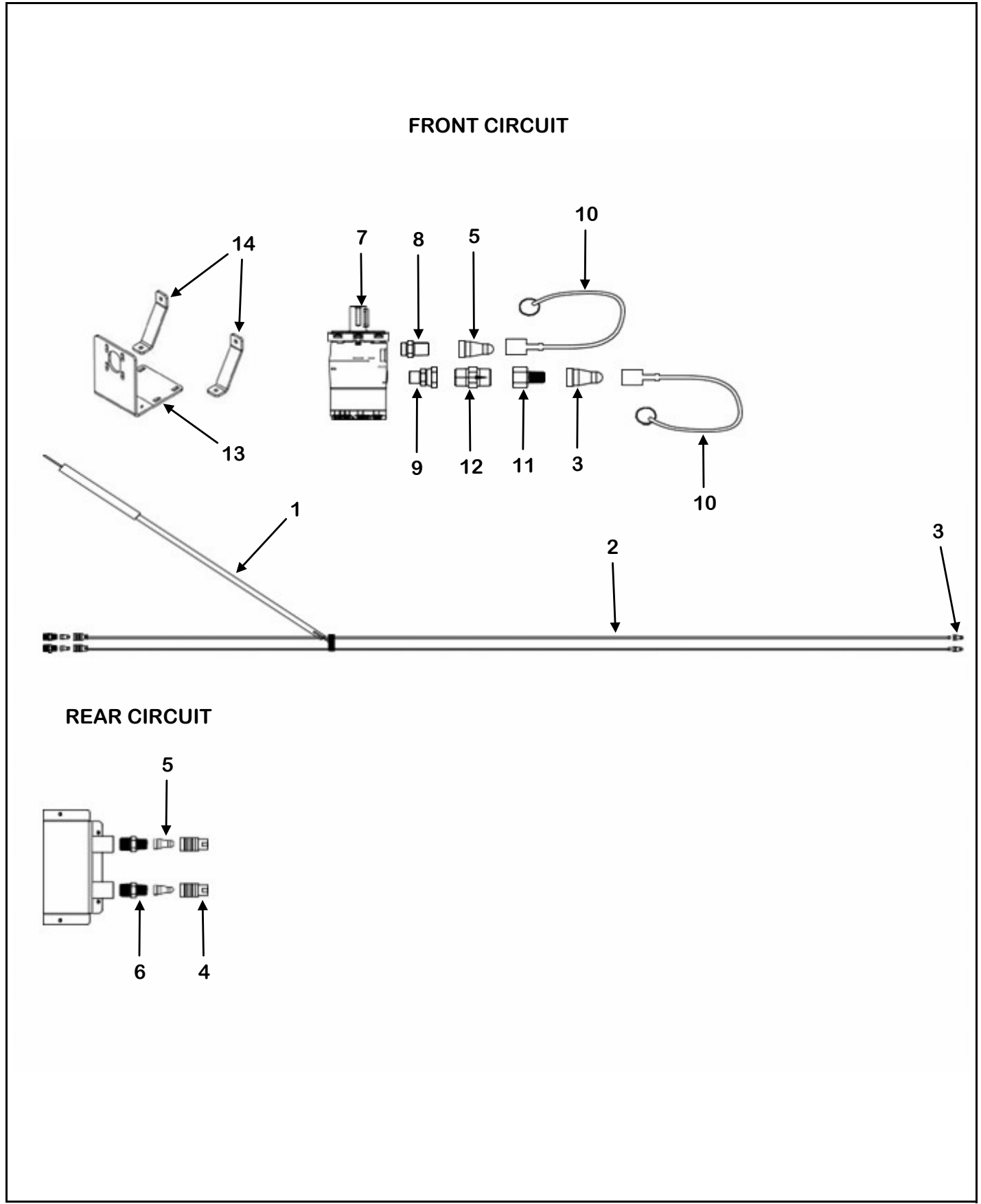
HYDRAULIC EXTENSION SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0804	2	Boss Plate Pipe Weldment
2	55-0316	1	3/8" SCH 40 x 24-7/8" Hydraulic Extension Pipe
3	55-0309	1	3/8" SCH 40 x 26-3/8" Hydraulic Extension Pipe
4	155-2502-6-6	2	90° Adapter Fitting
5	25-0834	1	Hose Clamp Bracket
6	55-0033-S-1	1	1/4" Twin Hose Clamp
7	155-04R17-45-1	1	1/4" x 45" Hose
8	155-04R17-57-1	1	1/4" x 57" Hose
9	155-2501-6-6	2	Hydraulic Fitting
10	55-0227A	1	Hydraulic Cylinder 2" Bore x 10" Stroke
	75-0205-9	1	7/32" x 2" Cotter Pin
11	55-0013	2	Male Coupling Tip
12	55-0051	2	1/4" x 130" Hose
13	55-0329	1	Hose Clamp Assembly With Eyebolt
14	25-0804	2	Boss Plate Front Pipe Weldment
15	29-0029	1	Hydraulic Hose Tender Spring Kit With Sleeve & Hardware
16	815-3118-Z	1	5/16"-18 Nylon Insert Lock Nut
17	805-0031-Z	2	5/16" Flat Washer
18	811-3118-2Z	1	5/16"-18 x 2" Eyebolt
19	55-0324	2	Twin Series Hose Clamp

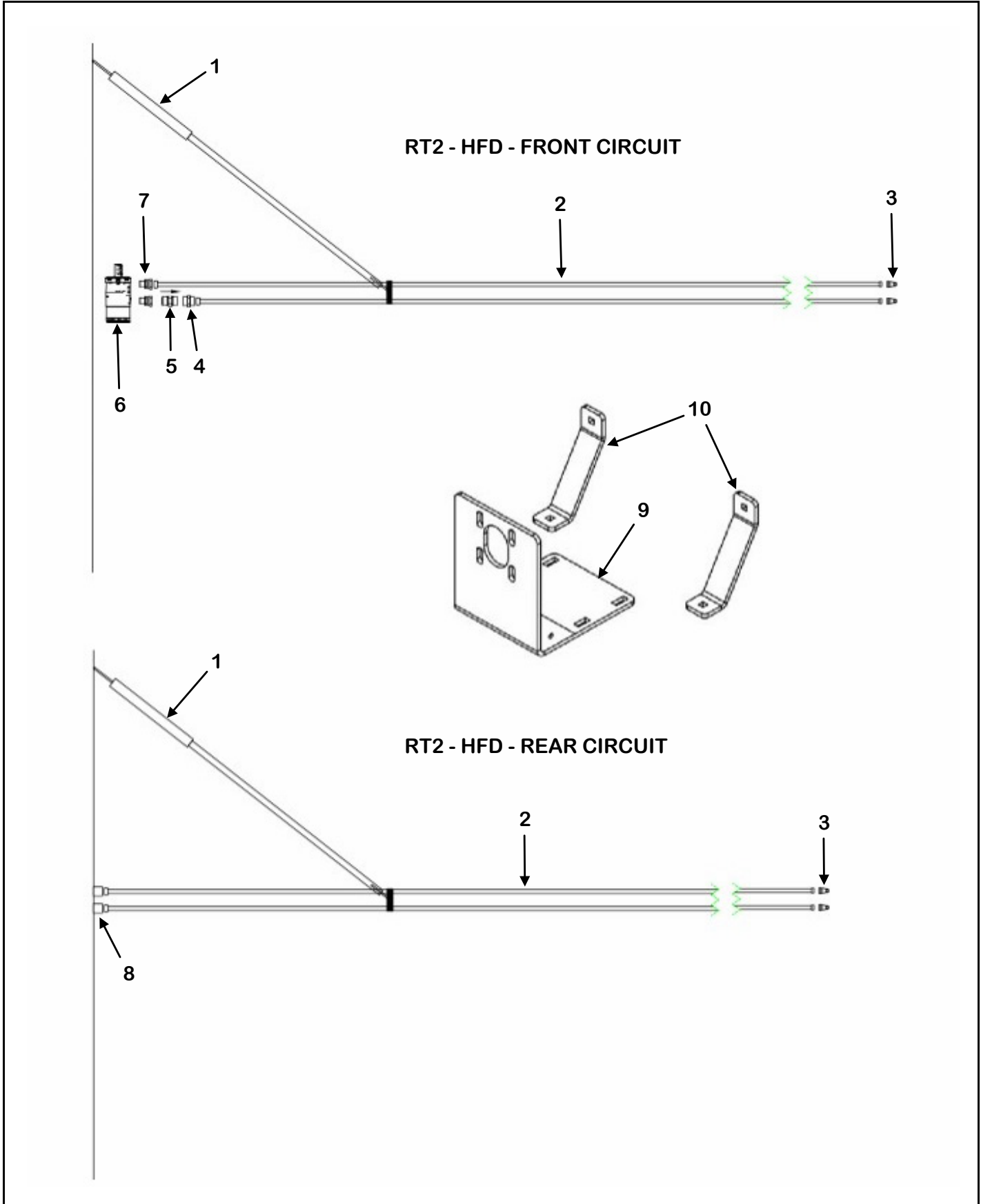
NOTE: See PB-RTA-SUP for RTAX hydraulic extension parts.

HYDRAULIC FRONT DRIVE SINGLE HOSE SET



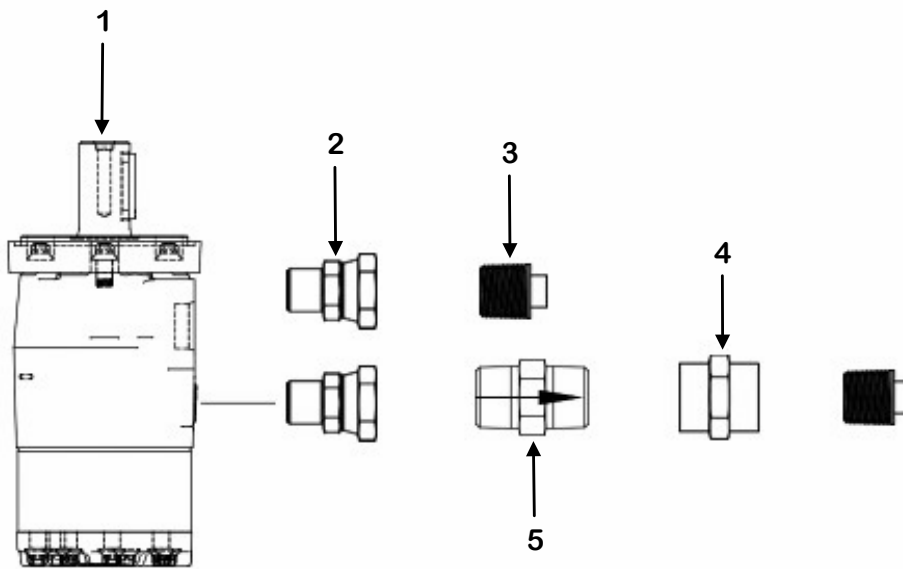
KEY	PART NUMBER	QTY	DESCRIPTION
0	RT2-HFD-K	1	Hydraulic Front Drive With Two Hose Kit
1	29-0029	1	Hose Tender Spring, With Sleeve & Clamp
2	55-0034	2	1/2" x 132" Hose
3	55-0013	6	Male Coupling Tip (Part of Unit)
4	55-0035	2	Female Coupling
5	55-0013	2	Male Coupling Tip
6	55-0156	2	Male Pipe Coupling
7	55-0099	1	Char-Lynn T-Series 9.6 Cubic Inch Hydraulic Motor
8	55-0159	1	Straight Male Adapter
9	55-0048	2	Boss Union Type Adapter
10	55-0036	2	Male Coupler Dust Cap
11	155-5405-08-12	1	Expansion Pipe Coupling
12	155-CV-1906P	1	In-Line Check Valve
13	25-0737	1	Hydraulic Front Drive Motor Mount Weldment
14	25-0737-2	2	Hydraulic Front Drive Brace
NS	37-0013-1	1	50B16 1" Bore Coupler Sprocket
NS	37-0017-1	1	50B16 1-1/4" Coupler Sprocket
NS	37-0013-2	1	Coupler Chain Double Roller With Connector

HYDRAULIC FRONT DRIVE DUAL HOSE SET



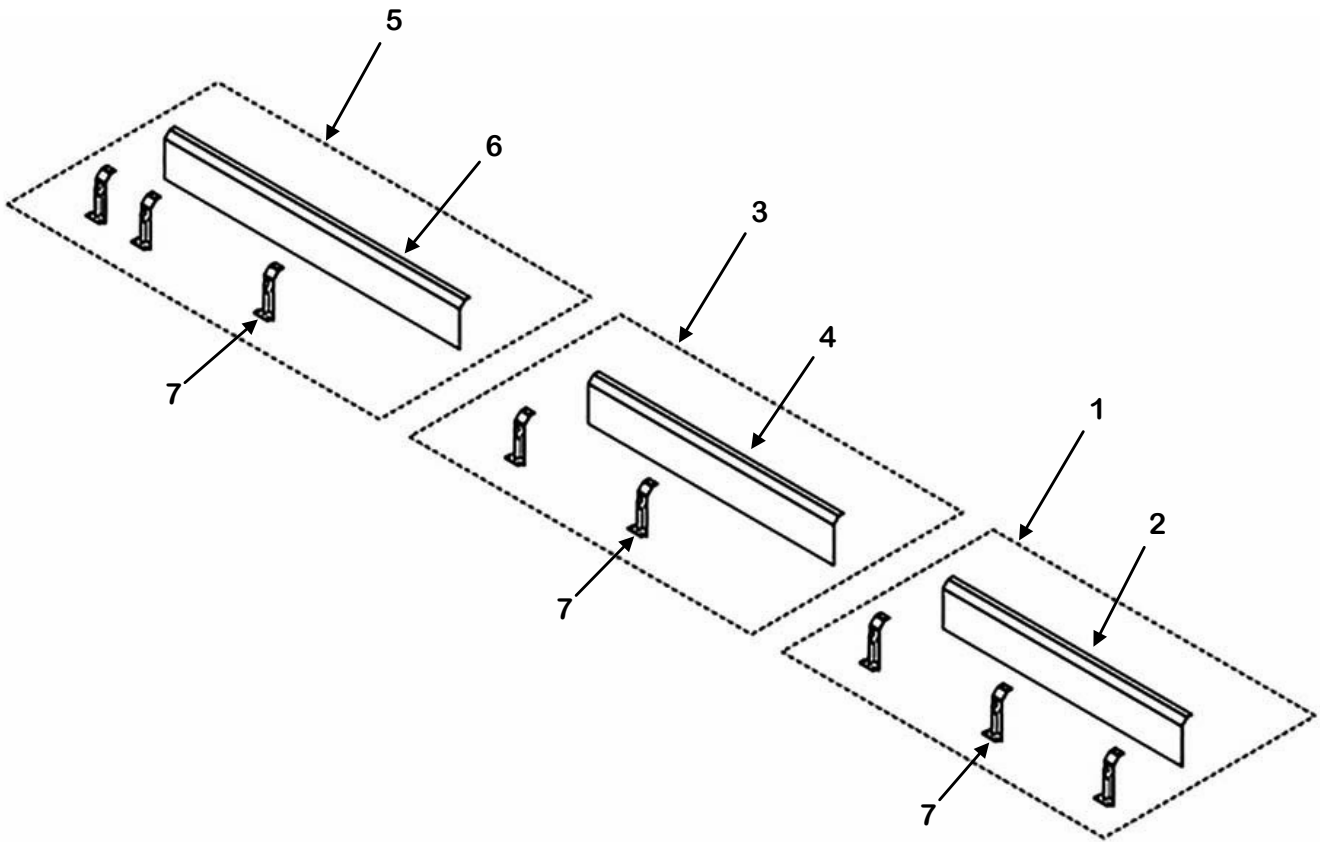
KEY	PART NUMBER	QTY	DESCRIPTION
0	RT2-HFD-4K	1	Hydraulic Front Drive 4 Hose Kit
1	29-0029	1	Hose Tender Spring, With Sleeve & Clamp
2	155-08R16-132-1	4	1/2" x 132" Hose
3	55-0013	4	Male Coupling Tip (Part of Unit)
4	155-5000-12-12	2	Female Coupling
5	155-CV-1906P	1	In-Line Check Valve
6	55-0099	1	Char-Lynn T-Series 9.6 Cubic Inch Hydraulic Motor
7	55-0048	2	Boss Union Type Adapter
8	25-1107	2	RT TSS Coupler Weldment
9	25-0737	1	Hydraulic Front Drive Motor Mount Weldment
10	25-0737-2	2	Hydraulic Front Drive Brace
NS	37-0013-1	1	50B16 1" Bore Coupler Sprocket
NS	37-0017-1	1	50B16 1-1/4" Coupler Sprocket
NS	37-0013-2	1	Coupler Chain Double Roller With Connector

HYDRAULIC FRONT DRIVE TRUCK



KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0099	1	Char-Lynn T-Series 9.6 Cubic Inch Hydraulic Motor
2	55-0048	2	Boss Union Type Adapter
3	55-0075	2	Female Pipe Coupling
4	155-5000-12-12	2	Female Coupling
5	155-CV-1906P	1	In-Line Check Valve

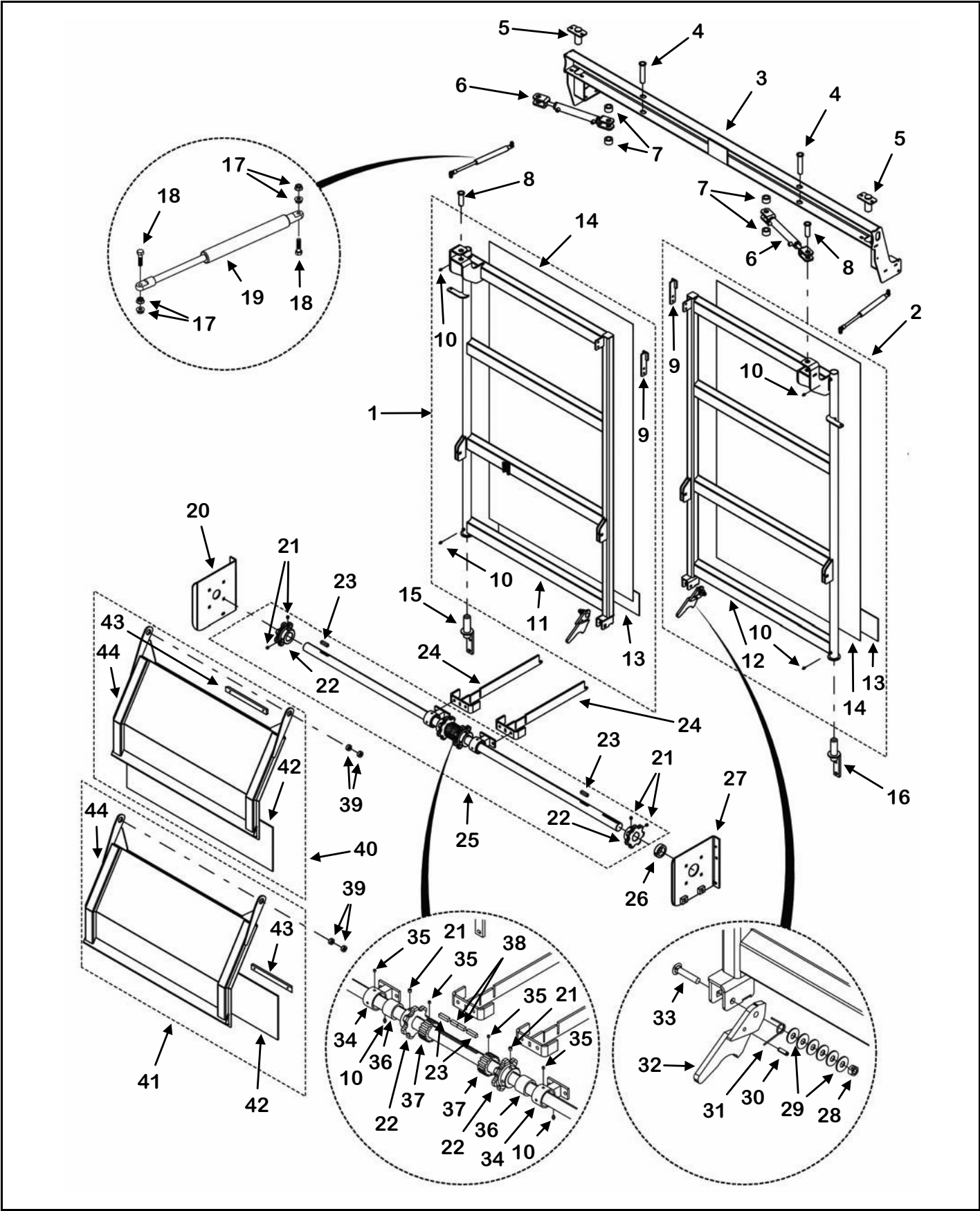
SIDE HOOD DEFLECTOR



26' RT RIGHT SIDE HOOD DEFLECTOR WITH SWING GATE SHOWN

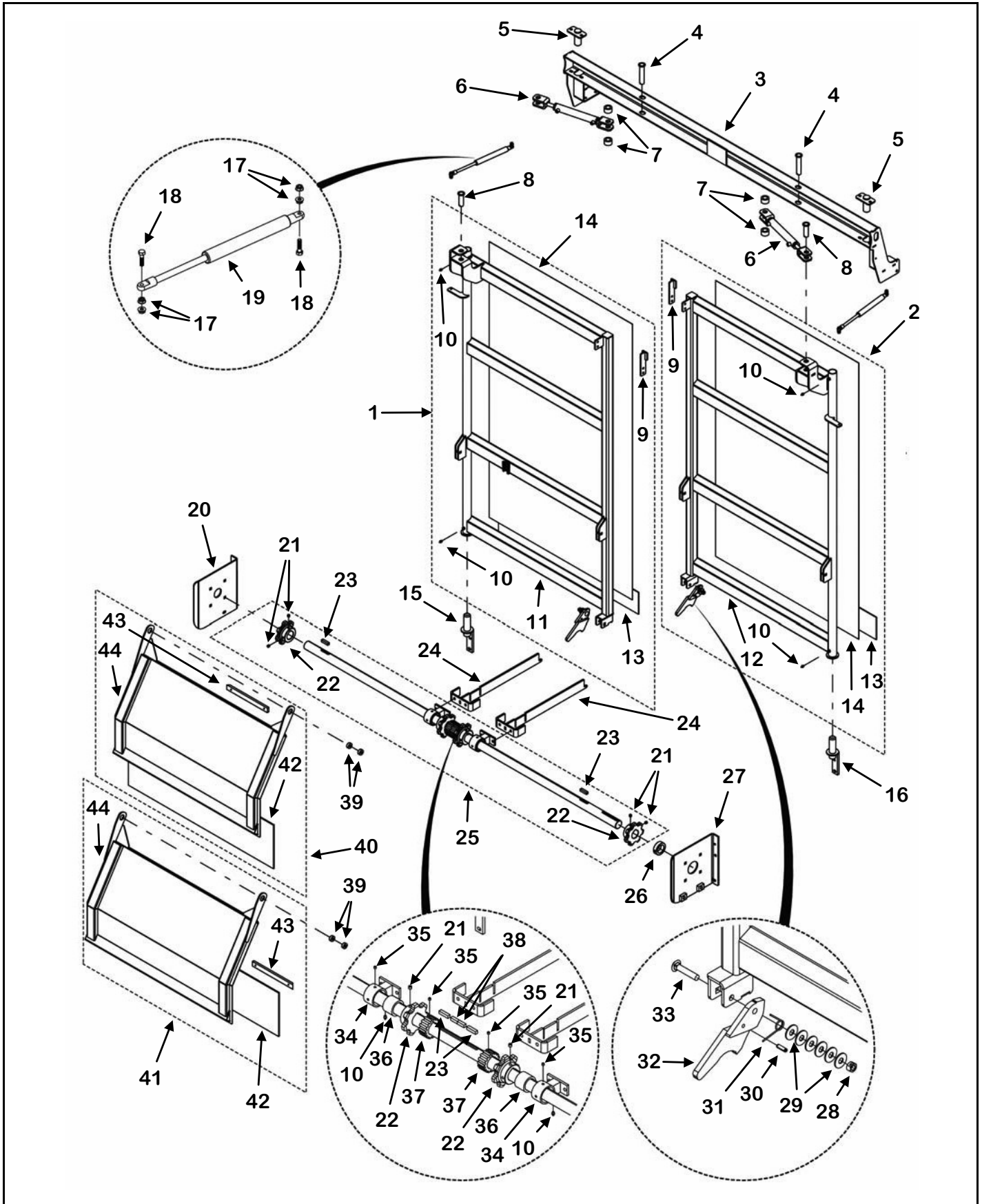
KEY	PART NUMBER	QTY	DESCRIPTION
0	RT-SHD-16-RS	1	16' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-18-RS	1	18' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-20-RS	1	20' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-20-RS-DD	1	20' RT Side Hood Deflector (Right Side) (Double Door)
	RT-SHD-22-RS	1	22' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-22-RS-DD	1	22' RT Side Hood Deflector (Right Side) (Double Door)
	RT-SHD-24-RS	1	24' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-24-RS-DD	1	24' RT Side Hood Deflector (Right Side) (Double Door)
	RT-SHD-26-RS	1	26' RT Side Hood Deflector (Right Side) (Swing Gate)
	RT-SHD-26-RS-DD	1	26' RT Side Hood Deflector (Right Side) (Double Door)
	RT-SHD-26-LS	1	26' RT Side Hood Deflector (Left Side) (Swing Gate)
1	25-0891	1	Right Side Hood Deflector Front Assembly
	25-0998	1	Left Side Hood Deflector Front Assembly
2	25-0891-1	1	Side Hood Deflector Front Panel
3	25-0892	1	Right Side Hood Deflector Middle Assembly (18', 20', 22', 24', 26')
	25-0999	1	Left Side Hood Deflector Front Assembly (26')
4	25-0892-1	1	Side Hood Deflector Middle Panel (18', 20', 22', 24', 26')
5	25-0895	1	Right Side Hood Deflector Rear Assembly (16', 24') (Swing Gate)
	25-0897	1	Right Side Hood Deflector Rear Assembly (18') (Swing Gate)
	25-0893	1	Right Side Hood Deflector Rear Assembly (20') (Swing Gate)
	25-0988	1	Right Side Hood Deflector Rear Assembly (20') (Double Door)
	25-0894	1	Right Side Hood Deflector Rear Assembly (22') (Swing Gate)
	25-0990	1	Right Side Hood Deflector Rear Assembly (22') (Double Door)
	25-0989	1	Right Side Hood Deflector Rear Assembly (24') (Double Door)
	25-0896	1	Right Side Hood Deflector Rear Assembly (26') (Swing Gate)
	25-0991	1	Right Side Hood Deflector Rear Assembly (26') (Double Door)
	25-1000	1	Left Side Hood Deflector Rear Assembly (26') (Swing Gate)
6	25-0895-1	1	Side Hood Deflector Rear Panel (16', 24')
	25-0897-1	1	Side Hood Deflector Rear Panel (18')
	25-0893-1	1	Side Hood Deflector Rear Panel (20')
	25-0894-1	1	Side Hood Deflector Rear Panel (22')
	25-0896-1	1	Side Hood Deflector Rear Panel (26')
7	25-0890	5	Side Hood Deflector Support Bracket Weldment (16')
	25-0890	6	Side Hood Deflector Support Bracket Weldment (18', 20')
	25-0890	7	Side Hood Deflector Support Bracket Weldment (22', 24')
	25-0890	8	Side Hood Deflector Support Bracket Weldment (26')

REAR DOUBLE DOOR



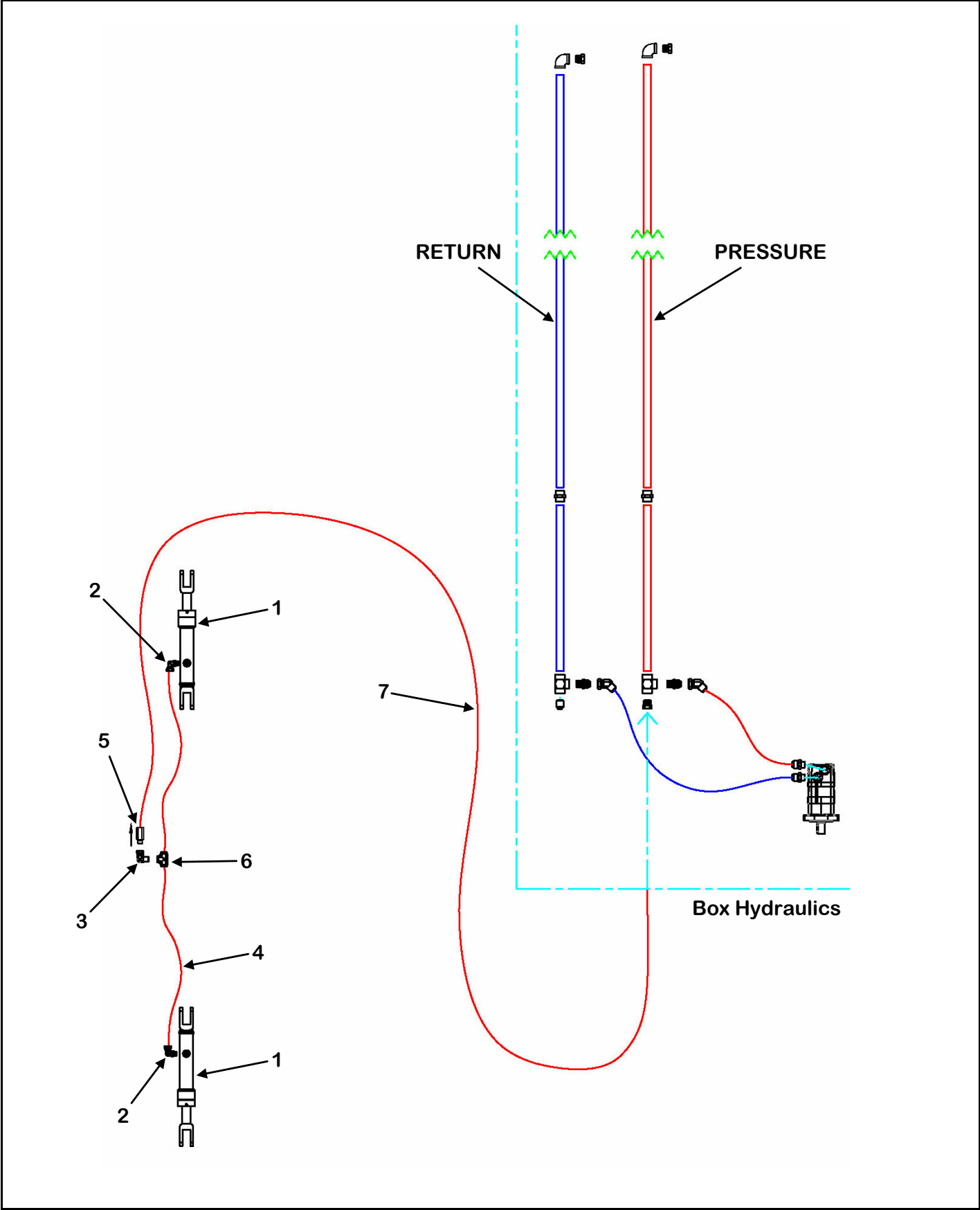
KEY	PART NUMBER	QTY	DESCRIPTION
1	400-1426	1	Left Door Complete Assembly
2	400-1425	1	Right Door Complete Assembly
3	25-0799	1	Top Cross Support Welded Assembly
4	100-7041-11	2	Cylinder To Top Cross Support Pin Weldment
5	25-0801	2	Upper Door Hinge Pin Weldment
6	See Page 180	2	1-1/4" x 8" Hydraulic Cylinder
7	43-0300	4	Cylinder Pin Spacer
8	25-0806	2	Cylinder To Door Pin Weldment
9	400-1422-6	2	Door Stop Weldment
10	30-0002	6	1/8" NPT Straight Grease Fitting
11	400-1426-1	1	Left Door Frame Welded Assembly
12	400-1425-1	1	Right Door Frame Welded Assembly
13	400-1422-3	2	Lower Door Belting
14	400-1425-2	2	Door Panel
15	25-0802	1	Left Lower Hinge Pin Weldment
16	25-0798	1	Right Lower Hinge Pin Weldment
17	810-3118-Z	8	5/16"-18 Spin Lock Nut
18	851-3118-1.25Z	4	5/16"-18 x 1-1/4" Machine Bolt
19	155-GS-0004	2	Gas Spring
20	25-0796-1	1	Left Main Roller Bearing Plate
21	827-5013-.5	8	1/2"-13 x 1/2" Set Screw
22	110-667B7-2.00-3	4	667B7 2-1/4" Pitch Sprocket 2" Bore 1/2" Key
23	35-0008	4	1/2" x 1/2" x 2" Key
24	25-0808	2	Apron Shaft Bearing Mount Weldment (Welded On)
25	23-0314	1	Rear Main Roller Assembly
26	921-0008	1	2" ID Set Screw Collar
27	25-0797	1	Right Rear Apron Shaft Bearing Bracket Weldment
28	814-5013-Z	2	1/2"-13 Indented Lock Nut
29	805-0050-Z	12	1/2" Flat Washer
30	38-0017	2	5/16" x 1" Roll Pin
31	29-0033	2	Torsion Spring
32	400-1422-5	1	Right Door Main Shaft Latch Weldment
	400-1423-2	1	Left Door Main Shaft Latch Weldment
33	850-5013-2.5Z	1	1/2"-13 x 2-1/2" Carriage Bolt
34	100-7000-46-4	2	2" Center Bearing Weldment
35	827-3816-.38	6	3/8"-16 x 3/8" Set Screw Knurled
36	100-7000-46-3	2	Nylon Center Bearing

REAR DOUBLE DOOR (CONT'D)



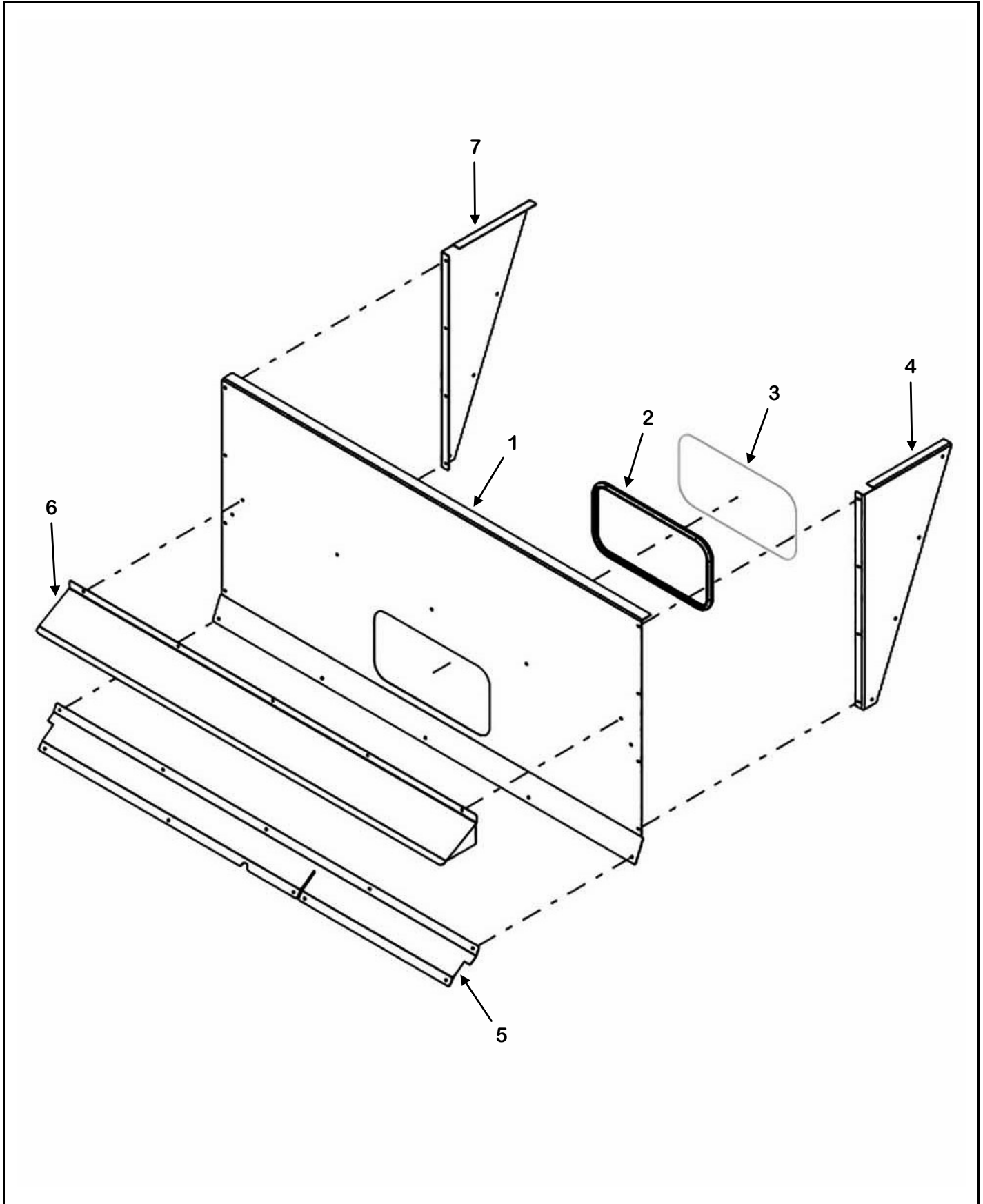
KEY	PART NUMBER	QTY	DESCRIPTION
37	23-0160-2	2	Door Latch Collar
38	35-0029	2	1/2" x 1/2" x 1-1/2" Key
39	43-0014	4	Gearbox Spacer
40	400-1427	1	Left Door Shield Assembly
41	400-1424	1	Right Door Shield Assembly
42	400-1424-2	2	Rear Door Shield Belting
43	400-1424-3	2	Rear Shield Bumper
44	400-1424-1	2	Rear Shield Weldment

REAR DOUBLE DOOR HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-D-1.25-8-1	2	1-1/4" x 8" Hydraulic Cylinder With Pins
	55-0307	2	Breather Vent (Prior to SN 18R2295)
	155-D-1.25-SK	AR	Displacement Hydraulic Cylinder Seal Kit (SN 18R2295 & Later)
2	55-0055	2	Male To Swivel Female Fitting (Prior to SN 18R2295)
	155-6901-06-06	2	90° Adapter Fitting (SN 18R2295 & Later)
3	55-0055	1	Male To Swivel Female Fitting
4	955-0002	2	3/8" x 27" Hose (Prior to SN 18R2295)
	155-06R17-30.5-1	2	3/8" x 30-1/2" Hose (SN 18R2295 & Later)
5	155-CV-375-1	1	Check Valve
6	955-3803	1	3/8" x 3/8" x 3/8" Tee Fitting
7	155-06100R17-200-1	1	3/8" x 200" Hose

SOLID FRONT ENCLOSURE



KEY	PART NUMBER	QTY	DESCRIPTION
0	RT-SFE-K	1	Complete Solid Front Enclosure Kit (Left Discharge)
	RT-SFE-HK	1	Complete Solid Front Enclosure Kit (Left Discharge) (12" Higher Side Option)
	RT-SFE-K-RH	1	Complete Solid Front Enclosure Kit (Right Discharge)
	RT-SFE-HK-RH	1	Complete Solid Front Enclosure Kit (Right Discharge) (12" Higher Side Option)
1	25-0756-1	1	Front Panel
	25-0754-1	1	Front Panel (12" Higher Side Option)
2	33-0049	6.16	Self Seal Weather Strip (By The Foot)
3	49-0089	1	Window
4	25-0756-2	1	Left Side Panel
	25-0754-2	1	Left Side Panel (12" Higher Side Option)
5	25-0754-4	1	Bottom Panel (Left Discharge)
	25-0754-4-RH	1	Bottom Panel (Right Discharge)
6	25-0997	1	Deflector Weldment
7	25-0756-3	1	Right Side Panel
	25-0754-3	1	Right Side Panel (12" Higher Side Option)



11.0 SPECIFICATIONS

RT DIMENSIONS				
	RT216	RT218	RT220	RT222
Floor Length	16' 6"	18' 6"	20' 6"	22' 6"
Overall Length	20' 7"	22' 7"	24' 7"	26' 7"
Inside Height (W/O Roof) Std Height	6' 3"	6' 3"	6' 3"	6' 3"
Inside Height (W/O Roof) High Sides	7' 3"	7' 3"	7' 3"	7' 3"
Overall Height (W/O Roof) - Top of Side Std Height	94"	94"	94"	94"
Overall Height (W/O Roof) - Top of Side High Sides	106"	106"	106"	106"
Top of Door Pivot Std Height	103"	103"	103"	103"
Top of Door Pivot High Sides	115"	115"	115"	115"
Overall Height (With Roof) - Wagon Mount Version Std Height	114.5"	114.5"	114.5"	114.5"
Overall Height (With Roof) - Wagon Mount Version High Sides	126.5"	126.5"	126.5"	126.5"
Inside Width	89.5"	89.5"	89.5"	89.5"
Overall Width (With Conveyor Extension Up)	109.5"	109.5"	109.5"	109.5"
Stringer Width/Height (Truck/XT2200 Trailer Mount)	33.5"/6"	33.5"/6"	33.5"/6"	33.5"/6"
Stringer Width/Height Wagon Mount	42"/10"	42"/10"	42"/10"	42"/10"
Capacity (Struck Level) cu. ft. (W/O Roof) Std Height	769	862	956	1049
Capacity (Struck Level) cu. ft. (W/O Roof) High Sides	892	1000	1108	1217
Capacity cu. ft. (With Roof) Std Height	944	1058	1174	1288
Capacity cu. ft. (With Roof) High Sides	1067	1196	1326	1456

RTX DIMENSIONS				
	RTX220	RTX222	RTX224	RTX226
Floor Length	20' 6"	22' 6"	24' 6"	26' 6"
Overall Length	24' 7"	26' 7"	28' 7"	30' 7"
Inside Height (W/O Roof) Std Height	Opt	Opt	Opt	Opt
Inside Height (W/O Roof) High Sides	7' 3"	7' 3"	7' 3"	7' 3"
Overall Height (W/O Roof) - Top of Side Std Height	Opt	Opt	Opt	Opt
Overall Height (W/O Roof) - Top of Side High Sides	106"	106"	106"	106"
Top of Door Pivot Std Height	Opt	Opt	Opt	Opt
Top of Door Pivot High Sides	115"	115"	115"	115"
Overall Height (With Roof) - Wagon Mount Version Std Height	Opt	Opt	Opt	Opt
Overall Height (With Roof) - Wagon Mount Version High Sides	126.5"	126.5"	126.5"	126.5"
Inside Width	89.5"	89.5"	89.5"	89.5"
Overall Width (With Conveyor Extension Up)	109.5"	109.5"	109.5"	109.5"
Stringer Width/Height (Truck/XT2200 Trailer Mount)	33.5"/6"	33.5"/6"	33.5"/6"	33.5"/6"
Stringer Width/Height Wagon Mount	42"/10"	42"/10"	42"/10"	42"/10"
Capacity (Struck Level) cu. ft. (W/O Roof) Std Height	NA	NA	NA	NA
Capacity (Struck Level) cu. ft. (W/O Roof) High Sides	1108	1217	1325	1433
Capacity cu. ft. (With Roof) Std Height	NA	NA	NA	NA
Capacity cu. ft. (With Roof) High Sides	1326	1456	1585	1714

RT SPECIFICATIONS				
	RT216	RT218	RT220	RT222
Floor Apron Drive Shaft	2"	2"	2"	2"
Rear Drive Shaft	2"	2"	2"	2"
Tubular Upright / Frame Spacing	24"	24"	24"	24"
HD Tubular Floor Supports	2x2	2x2	2x2	2x2
HD Tubular Formed (No Side Supports Needed)	Standard	Standard	Standard	Standard
Commercial Grade Gear-Drive (No Worm Gears)	Standard	Standard	Standard	Standard

RTX SPECIFICATIONS				
	RTX220	RTX222	RTX224	RTX226
Floor Apron Drive Shaft	2"	2"	2"	2"
Rear Drive Shaft	2"	2"	2"	2"
Tubular Upright / Frame Spacing	16"	16"	16"	16"
HD Tubular Floor Supports	2x2	2x2	2x2	2x2
HD Tubular Formed (No Side Supports Needed)	Standard	Standard	Standard	Standard
Commercial Grade Gear-Drive (No Worm Gears)	Standard	Standard	Standard	Standard

RT STANDARD FEATURES				
	RT216	RT218	RT220	RT222
RT Variable Speed System - 0-17'/minute (PTO Drive Std)	Standard	Standard	Standard	Standard
Spring Loaded/Torsion Apron Tightener	Standard	Standard	Standard	Standard
Front/Rear Direction Control System (Patented)	Standard	Standard	Standard	Standard
Auger Feathering System & Conveyor Clutch/Safety Clutch	Standard	Standard	Standard	Standard
Cross Conveyor Chain Hold-Downs	Standard	Standard	Standard	Standard
Fold-Down Conveyor Extension With Lift Assist	Standard	Standard	Standard	Standard
Superslide, Solid Poly Floor (No Plywood)	Standard	Standard	Standard	Standard
12" Higher Sides & 4th Beater System	Optional	Optional	Optional	Optional
Rear Gate Delay System	Optional	Optional	Optional	Optional

RTX STANDARD FEATURES				
	RTX220	RTX222	RTX224	RTX226
RT Variable Speed System - 0-17'/minute (PTO Drive Std)	Standard	Standard	Standard	Standard
Spring Loaded/Torsion Apron Tightener	Standard	Standard	Standard	Standard
Front/Rear Direction Control System (Patented)	Standard	Standard	Standard	Standard
Auger Feathering System & Conveyor Clutch/Safety Clutch	Standard	Standard	Standard	Standard
Cross Conveyor Chain Hold-Downs	Standard	Standard	Standard	Standard
Fold-Down Conveyor Extension With Lift Assist	Standard	Standard	Standard	Standard
Superslide, Solid Poly Floor (No Plywood)	Standard	Standard	Standard	Standard
12" Higher Sides & 4th Beater System	Standard	Standard	Standard	Standard
Rear Gate Delay System	Standard	Standard	Standard	Standard

RT OPTIONAL EQUIPMENT

	RT216	RT218	RT220	RT222
Hydraulic Front Drive System (In Lieu of PTO)	Optional	Optional	Optional	Optional
Hydraulic In-Cab Controls (In Lieu of PTO) - Including Hydraulic Lift Conveyor Extension	Optional	Optional	Optional	Optional
36" Fold-Down Cross Conveyor Extension (In Lieu of Std 24")	Optional	Optional	Optional	Optional
Hydraulic Lift Option For Fold-Down Cross Conveyor Extension	Optional	Optional	Optional	Optional
Roof Assembly (Removable)	Standard	Standard	Standard	Standard
6" Higher Roof Assembly (Removable) - N/A 12" Higher Sides	Optional	Optional	Optional	Optional
RH Roof Hood Assembly (Open Top Units Only)	Optional	Optional	Optional	Optional
Rear Grain Kit (False Front Gate Kit)	N/A	N/A	N/A	N/A
Truck/Trailer/Wagon Mount	Optional	Optional	Optional	Optional
Tarp Systems (With Front Enclosures)	Optional	Optional	Optional	Optional
Clad Tuff Fiberglass Sides & Back	Optional	Optional	Optional	Optional
Barn Door Rear Gate With Closure	N/A	N/A	N/A	N/A

RTX OPTIONAL EQUIPMENT

	RTX220	RTX222	RTX224	RTX226
Hydraulic Front Drive System (In Lieu of PTO)	Optional	Optional	Optional	Optional
Hydraulic In-Cab Controls (In Lieu of PTO) - Including Hydraulic Lift Conveyor Extension	Optional	Optional	Optional	Optional
36" Fold-Down Cross Conveyor Extension (In Lieu of Std 24")	Optional	Optional	Optional	Optional
Hydraulic Lift Option For Fold-Down Cross Conveyor Extension	Optional	Optional	Optional	Optional
Roof Assembly (Removable)	Optional	Optional	Optional	Optional
6" Higher Roof Assembly (Removable) - N/A 12" Higher Sides	N/A	N/A	N/A	N/A
RH Roof Hood Assembly (Open Top Units Only)	Optional	Optional	Optional	Optional
Rear Grain Kit (False Front Gate Kit)	Optional	Optional	Optional	Optional
Truck/Trailer/Wagon Mount	Optional	Optional	Optional	Optional
Tarp Systems (With Front Enclosures)	Optional	Optional	Optional	Optional
Clad Tuff Fiberglass Sides & Back	Optional	Optional	Optional	Optional
Barn Door Rear Gate With Closure	Optional	Optional	Optional	Optional



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