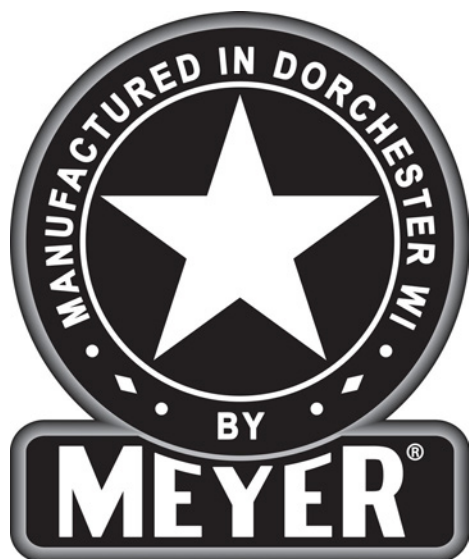


PB-MIXER-TR-MECH



FORMULA MIXER

F585 • F700

**Mechanical Truck Mount
Owner/Operator's Manual
&
Parts Book**

Starting 2018 Model Year

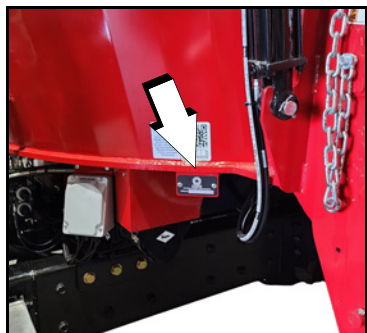


8/10/2026

1.0 IMPORTANT INFORMATION

The serial number plate is located on the front left-hand side.

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



Model No. _____

Mixer Body Serial No. _____

Date of Purchase _____

Dealership _____

Dealership Phone No. _____

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

HOW TO READ THE SERIAL NUMBER

EXAMPLE: 18VM0700201

Model Year / Vertical Mixer / Model / Sequence Of Build



18



VM



0700



201

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



2.0 PRE-DELIVERY & DELIVERY CHECK LIST

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 Mixer 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 PTO shields turn freely.
- ☐ 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 8.2 LUBRICATION.
- ☐ Conveyor Belt or Chain are at proper tension. Refer to 8.3 ADJUSTMENTS.
- ☐ 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 mixer.
- ☐ Explain and review with customer the new Meyer implement 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 proper "Start-up and Operating Procedures" sections of this manual.
- ☐ Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the mixer. Review with the customer the 8.2 LUBRICATION and 8.3 ADJUSTMENTS sections of this manual.
- ☐ Explain the importance of conveyor chain or belt tension, and the need to watch and tighten during the break-in period.
- ☐ 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

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

This manual is to be used in conjunction with your truck/chassis manual.

The formula mixer may be referred to as mixer, implement, equipment or machine in this manual.



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



WARRANTY: At the front of this manual is 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 mixer serial number plate is located on the front left hand side of the mixing tub.



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

04/2014

MEYER FORMULA MIXER

- 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 Mixers shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.
- II This warranty shall not apply to any Meyer Mixer 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 Mixer to be free from defects in material and workmanship under recommended use and maintenance service, as stated in the operator's and parts manuals, 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 Mixer 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.
 - B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI as Meyer Mfg. Corp. elects:
 - i Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) with a "pro-rated" charge for parts only (not labor) during the stated time period from date of purchase to the original retail customer. 1st year 100%, 2nd year 100%, 3rd year 50%, 4th year 25%, 5th year 10%
 - a. The Formula Mixer Planetary Gearbox. Meyer Part #'s 119-18-13.92-1, 119-21-25.67-1.
- 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 any service call and/or transportation of the mixer to the dealership or the factory for warranty service.
- 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 other 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.

Purchased Product Warranty:

This warranty does not apply to component parts not manufactured by Meyer such as but not limited to wheels, tires, PTO shafts, clutches, hydraulic cylinders, scales, etc.



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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!



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



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



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.



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

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

5.1 SAFETY PRECAUTIONS



All individuals who will operate this 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 truck/chassis owner's operator's manual should be used in conjunction with this manual.
- 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 this Operator's And Parts Manual and have been properly trained in its intended usage.
- For an operator to be qualified, he or she must not use drugs or alcohol which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.
- Make sure all personnel can READ and UNDERSTAND all safety signs.
- DO NOT allow minors (children) or inexperienced persons to operate this equipment.
- DO NOT operate until all shields and guards are in place and securely fastened.
- DO NOT step up on any part of the equipment that is not designated as a ladder or viewing platform at any time.
- DO NOT adjust, clean or lubricate while the equipment 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 equipment before starting it!
- Make certain everyone is clear of the equipment before applying power.
- Keep hands, feet and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.
- Observe all applicable traffic laws when transporting on public roadways (where legal to do so). Check local laws for all highway lighting and marking requirements.
- Shut off and lock out power before adjusting, servicing, maintaining or clearing an obstruction from this machine. Refer to 5.3 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 truck or equipment.
- Downshift truck when traveling down steep grades.
- Stay away from overhead power lines. Electrocution can occur without direct contact.
- Use only properly rated undercarriage and tires.

Safety Precautions For Truck Mounted Units:

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

Safety Precautions For Hydraulic System:

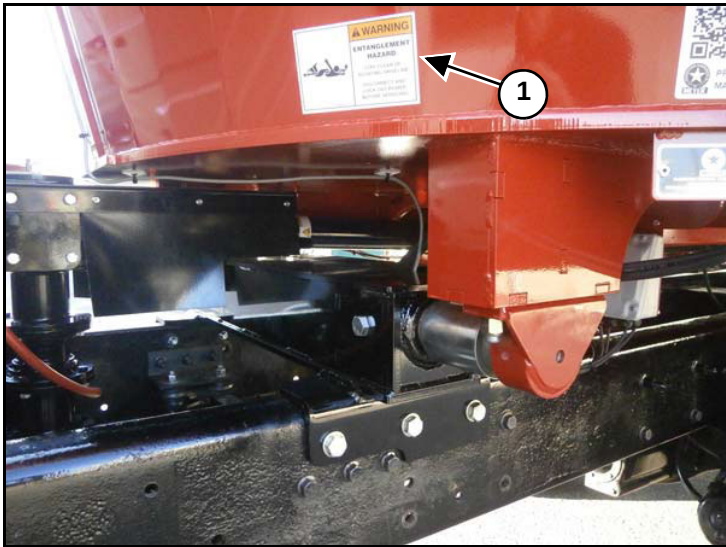
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel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

5.2 SAFETY SIGNS



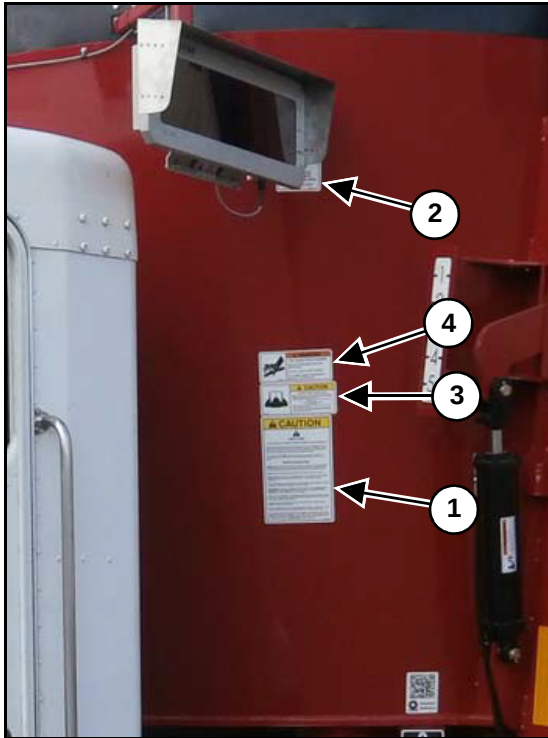
Read all safety signs on the implement and in this manual. Keep all safety signs clean and replace any damaged or missing safety signs before operating the equipment. Do not remove any safety signs. Safety signs are for operator protection and information.

FRONT OF IMPLEMENT

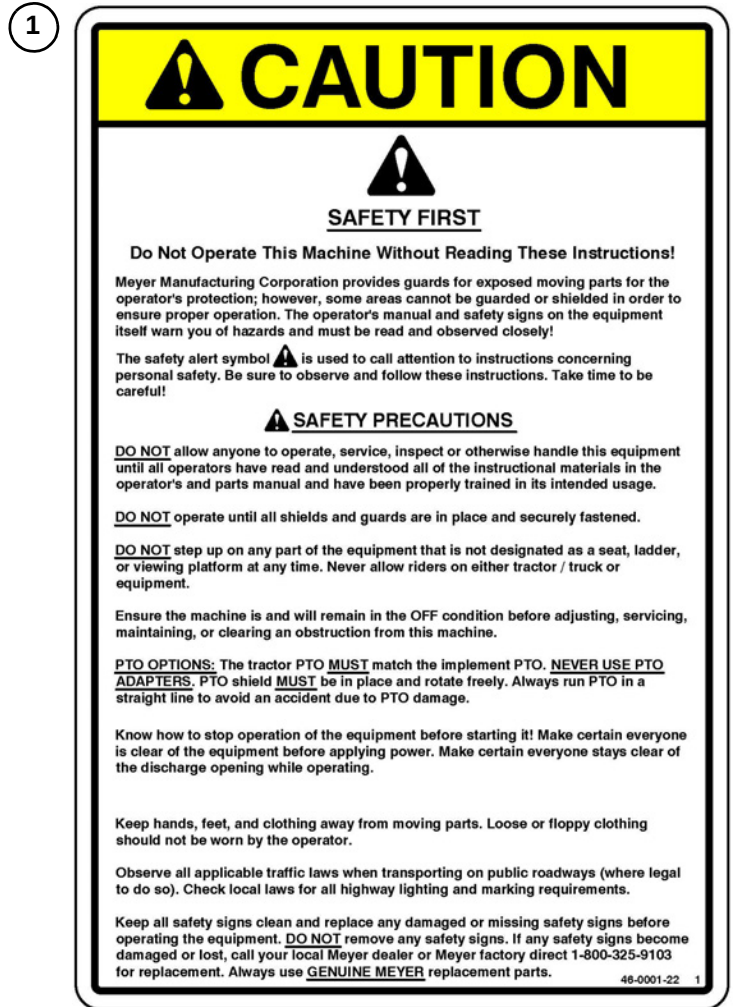


PART NO. 46-0001-211

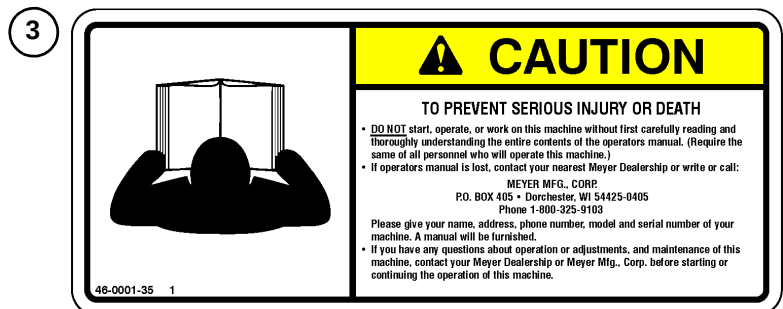
FRONT OF IMPLEMENT



PART NO. 46-0001-213



PART NO. 46-0001-22



PART NO. 46-0001-35



PART NO. 46-8500-7

UNDER IMPLEMENT



1



PART NO. 46-0001-211
(Located Under Mixing Tub)

1



PART NO. 46-0001-212
(Behind Belting - Not Shown)

2



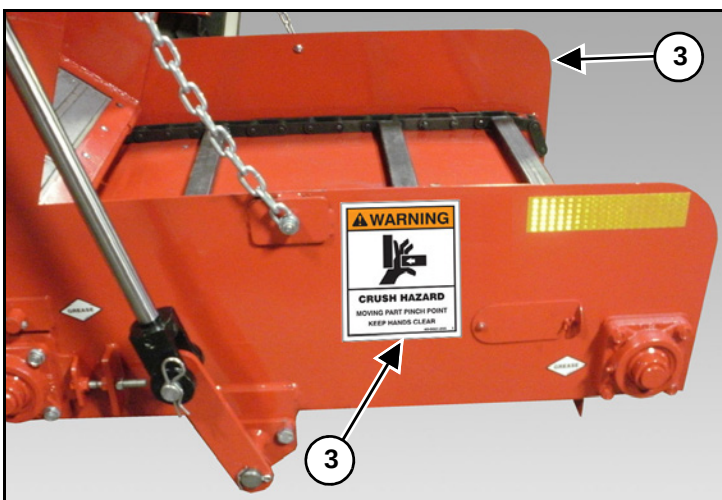
PART NO. 46-0001-205
(Both Sides)

3



PART NO. 46-0001-4

SIDE DOOR CONVEYOR (OPTION)



BACK OF IMPLEMENT



PART NO. 46-0001-213

2



PART NO. 46-0001-210

3



PART NO. 46-0001-208

4



PART NO. 46-0001-297

5



PART NO. 46-8500-7

5.3 SHUTOFF & LOCKOUT POWER



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

5.3.1 Shutoff & Lockout Power Recommendations

1. **Think, Plan and Check**
 - a. **THINK** through the entire procedure and identify all the steps that are required.
 - b. **PLAN** what personnel will be involved, what needs to be shut down, what guards/shields need to be removed, and how the equipment will be restarted.
 - c. **CHECK** the machine over to verify all power sources and stored energy have been identified including engines, hydraulic and pneumatic systems, springs and accumulators, and suspended loads.
2. **Communicate** - Let everyone involved, including those working on or around this machine, that work is being done which involves keeping this machine safely “OFF”.
3. **Power Sources**
 - a. **LOCKOUT** - Shut off engines and take the key, or physically lock the start/on switch or control. Disconnect any power sources which are meant to be disconnected (i.e. electrical, hydraulic, and PTO of pull-type units).
 - b. **TAGOUT** - Place a tag on the machine noting the reason for the power source being tagged out and what work is being done. This is particularly important if the power source is not within your sight and/or will need to be isolated for a longer period of time.
4. **Stored Energy** - Neutralize all stored energy from its power source. Ensure that this machine is level, set the parking brake, and chock the wheels. Disconnect electricity, block 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 fastened to the 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 mixer 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 mixer for proper adjustments. Refer to Section 8.3 ADJUSTMENTS.
3. Check that all lubrication has been completed. Refer to Section 8.2 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 and electrical cords and cables for wear. Repair or replace as required.
6. Check the planetary gearbox and hydraulic reservoir for proper oil level. Check stop & shift gearbox reservoir (If Equipped) or power shift transmission sight glass (If Equipped) for proper oil level. Refer to Section 8.2 LUBRICATION.
7. Check for and remove any foreign objects in the mixing chamber and discharge opening.
8. Be sure that there are no tools laying on or in the mixer.
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. Replace as needed.
13. Inspect any wear items. i.e.: Knives, scrapers, kicker wear plate. Replace as required.
14. Inspect the safety lighting. Repair or replace as required.

6.1.1 Monthly Inspection

1. Check conveyor belt tension (If equipped). Refer to Section 8.3.1 Belt Conveyor Tension.

6.2 TRUCK MOUNT SPECIFICATIONS

See the truck mount specifications on the www.meyermfg.com website. Call 1-800-325-9103 with any questions.

6.3 PTO DRIVELINE



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



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

Maintain PTO drive shaft guard tubes in good operating condition. Replace them if damaged and not turning freely.

6.4 CONTROLS

6.4.1 Stop & Shift Gearbox



Once PTO has been disengaged and a change of auger speed has been selected, allow at least 5 seconds for the stop & shift gearbox to complete the shift process before engaging PTO.

Note: *The mixer PTO MUST be stopped before shifting the 2-speed gearbox to prevent damage to the gearbox.*

The controls for the mixer are located in the cab of the truck next to the driver seat. The joystick controls the front door, chute (Optional), and conveyor (Optional). Push the joystick forward (Item 1) closes the front door. Pull the joystick back (Item 2) raises the front door. Move the joystick to the left (Item 3) lowers the chute. Move the joystick to the right (Item 4) raises the chute. The button on the joystick turns the conveyor on and off. Toggling the rear door momentary switch forward (Item 5) lowers the rear door. Toggling the rear door momentary switch back (Item 6) raises the rear door. The light switch selected forward (Item 7) turns the lights on and selected back (Item 8) turns the lights off. The two speed switch selected forward (Item 9) shifts the gearbox to high and selected back (Item 10) shifts the gearbox to low.

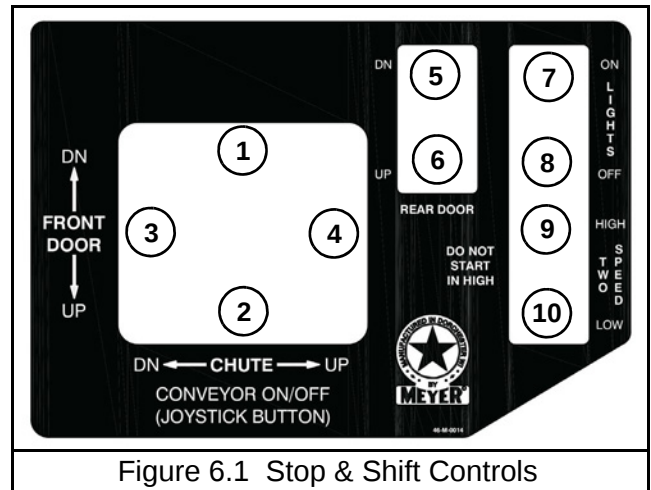


Figure 6.1 Stop & Shift Controls

6.4.2 Power Shift Transmission

Note: The power shift transmission will only shift to “High”, once selected, if the PTO RPM is at 650RPM or above.

The controls for the mixer are located in the cab of the truck next to the driver seat. The joystick controls the front/side door, chute (Optional), and conveyor (Optional). Push the joystick forward (Item 1) closes the front/side door. Pull the joystick back (Item 2) raises the front/side door. Move the joystick to the left (Item 3) lowers the chute. Move the joystick to the right (Item 4) raises the chute. The button on the joystick turns the conveyor on and off. Toggling the rear door momentary switch forward (Item 5) lowers the rear door. Toggling the rear door momentary switch back (Item 6) raises the rear door. The light switch selected forward (Item 7) turns the lights on and selected back (Item 8) turns the lights off. The transmission speed switch selected forward (Item 9) shifts the transmission to “High” and selected back (Item 10) shifts the transmission to “Low”. The transmission speed control switch selected forward (Item 11) allows the remote control to select between “High” and “Low” speed. The transmission speed control switch selected back (Item 12) allows the transmission speed switch to select between “High” (Item 9) and “Low” (Item 10) speed. The “High” speed light (Item 13) will light up indicating the power shift transmission is in “High” speed.

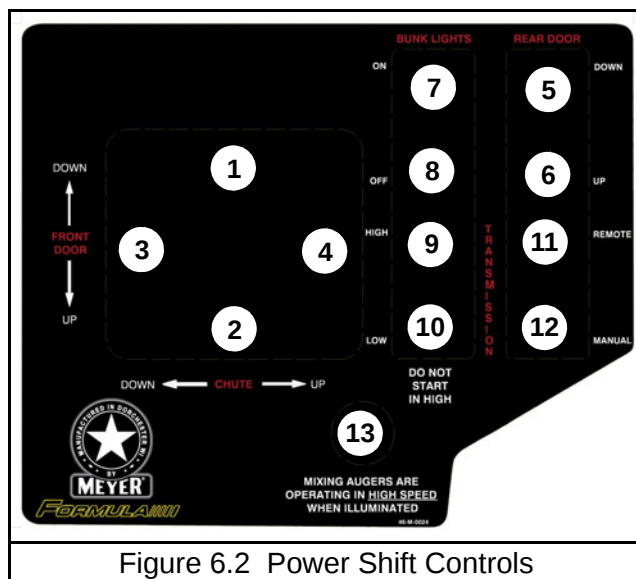


Figure 6.2 Power Shift Controls

6.5 START-UP AND SHUT-DOWN PROCEDURE



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 5.3 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.

6.5.1 Start-Up Procedure

1. Be sure there is no one inside the mixer and the mixer is empty.
2. Enter the truck and start the engine.
3. Set the parking brake.
4. Check to see that the discharge door is closed.
5. Verify the two speed gearbox is engaged in low gear, if equipped.
6. Slowly engage the PTO at idle speed.
7. Bring engine RPM up to 3/4 to full RPM.

6.5.2 Shut-Down Procedure

1. Disengage the PTO.
2. Turn off conveyor, if equipped.
3. Fully lower all doors.
4. Raise slide trays or conveyors, if equipped.
5. Park the mixer on a flat, level surface.
6. Engage the parking brake, stop the engine and exit the truck.

6.6 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.
-

WARNING

- Shift to lower gear before going down steep grades.
 - Avoid traveling on slopes or hills that are unsafe.
 - Keep vehicle in gear at all times.
 - Never exceed a safe travel speed (may be less than 20 MPH).
 - Check that the braking and lighting systems are in good condition. Be sure that the truck has adequate brakes to stop the loaded mixer.
-

IMPORTANT

Verify that the rear discharge door is in the closed position before traveling on roadways.

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.*

6.6.1 Brake Information

Check that the braking and lighting systems are in good working condition.

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

6.7 OPTIONAL EQUIPMENT

Refer to scale indicator (Item 1) manufacturer's operators manual for operation.

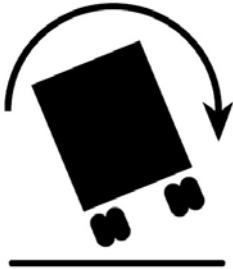
See 8.5.1 Digital Scale Indicator for additional scale maintenance information.



Figure 6.3 Scale Indicator

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 it's 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 except designated ladders and platforms.
- 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 GENERAL

IMPORTANT

Always operate at the rated PTO speed but **DO NOT EXCEED THE RATED PTO SPEED**. If the mixer is operated faster than the rated PTO speed the strain on the drive train and mixer is greatly increased.

Do not force hay into the auger with loader or any other device.

Be aware of the overall size of the mixer to allow clearance through doorways.

The mixer is designed for blending dairy and beef rations. The mixer performance can vary according to the difference in material, loading sequence, mixing speed and unloading methods. The following guidelines should be understood before operating the mixer.

A new mixer will need an initial run-in period to polish the augers and mixer sides to achieve correct material movement inside the mixer. Until the unit is polished inside the user may experience material spillage, dead spots, or increased horsepower requirements. The load size may need to be reduced until the unit is polished inside.

7.1.1 Cutout Clutch

The clutch is designed to limit the amount of torque transferred to the machine through the driveline. If excessive torque is developed the clutch will disengage. A loud ratcheting sound will be heard and the transfer of power to the machine will be disrupted. This may occur when mixing or unloading a heavy mix or if an obstruction has lodged within the mixer. This is to protect the driveline from damage. To re-engage the machine, simply shut down the PTO and allow the driveline to come to a stop. The PTO can then be re-engaged to restart the mixer. The cutout clutch will either re-engage upon shut down of the PTO or just before it comes to a complete stop.

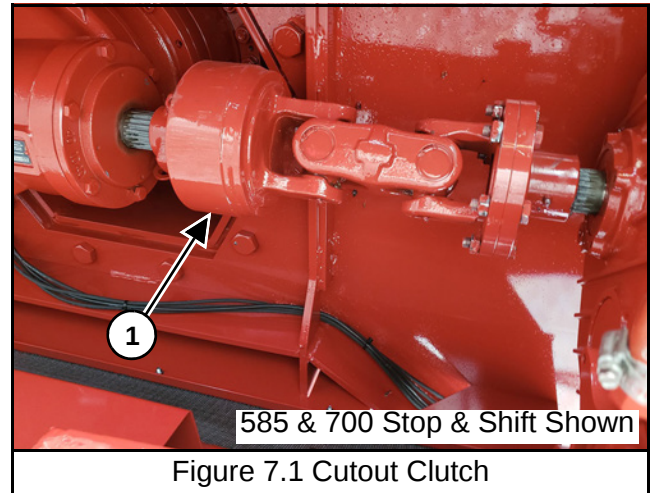


Figure 7.1 Cutout Clutch

7.2 OPERATIONAL CHECKS



DO NOT ENTER MIXING CHAMBER WHILE MIXER IS RUNNING!
Shutoff and lockout power before attempting to clear an obstruction or to perform work inside the mixing chamber. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

Make certain all personnel are clear of the implement 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 5.3 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.



Once PTO has been disengaged and a change of auger speed has been selected, allow at least 5 seconds for the stop & shift gearbox to complete the shift process before engaging PTO.

Before running material through the mixer for the first time and each time thereafter, follow these steps:

1. Follow the Start-Up procedure section 6.5.1 Start-Up Procedure.
2. Raise and lower the door several times.
3. Lower and raise mixer slide trays or conveyors, if equipped.
4. Operate the mixer augers and conveyors, if equipped, for approximately 5-10 minutes. If mixer is equipped with a stop & shift gearbox or power shift transmission:

Stop & Shift Gearbox: Stop the tractor PTO. Once the PTO has completely stopped, shift the stop & shift gearbox to high. Wait 5 seconds. Engage the tractor PTO and bring RPM back up to operating speed for the last minute of test run time.

Power Shift Transmission: Shift the power shift transmission into high for the last minute of test run time.

5. Follow the Shut-Down procedure section 6.5.2 Shut-Down Procedure.
6. Check drive components to be sure components are not abnormally hot.
7. Check all hydraulic components for leaks.
8. Adjust and lubricate equipment as needed. See Section 8.3 ADJUSTMENTS and Section 8.2 LUBRICATION.

7.3 LOADING



DANGER

DO NOT ENTER MIXING CHAMBER WHILE MIXER IS RUNNING! Shutoff and lockout power before attempting to clear an obstruction or to perform work inside the mixing chamber. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

Make certain all personnel are clear of the implement before applying power.



WARNING

Never hand feed material into mixer while it is running. Augers may cut or grab hands, clothing or material being loaded. Always stop the tractor's engine before hand loading materials.

Be aware of power lines and other overhead obstructions when loading with a telescopic arm or loader.



CAUTION

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

Comply with the safety instructions stipulated in the User Manuals for the operation / handling equipment used for loading the mixer.

Do not climb or step onto the platform or ladder before the parking brake has been applied.

When loading from a raised bay or platform, adopt the necessary measures (safety rails, etc.) to avoid people or equipment from falling into the machine.

IMPORTANT

Overloading may cause failure of axles, tires, structural members, hitches, loss of vehicle control. **DO NOT** exceed maximum gross weight.

NOTE: *Overloading can have detrimental effects on the integrity of the implement and it's safe use. Overloading will void warranty and increase risk to the operator's safety. Always be aware of your gross weight.*

Before loading, especially in freezing weather, make sure the augers are free to rotate and the discharge door moves freely up and down.

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

NOTE: Maximum Gross Weight is the lesser value between the implement or tires.

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

** Struck capacity, heaped loads significantly increase weight.

When loading material into the mixer with an end-loader, dump the material into the center of the mixer.

1. Be sure that mixer is parked on a level surface.
2. Set hay stops according to the instructions in this manual. See section 7.7 HAY STOP ADJUSTMENT.
3. Follow the Start-Up procedure section 6.5.1 Start-Up Procedure.
4. Load baled hay into the center of the mixer.
5. Allow mixer enough time to process the bale before adding other ingredients (4-10 minutes).

NOTES:

- ***Processing of long stem forages will continue as other materials are added and mixed. Be careful not to over process these materials before adding other ingredients.***
- ***Mixers equipped with a stop & shift gearbox or power shift transmission can process roughages in “Low” or “High” depending on how fast the bale needs to be processed. Mix all other materials in “Low”.***

7.3.1 Material

Some feed materials will need to be processed alone in the mixer before they can be efficiently mixed with other feed materials.

- Large square or round bales of alfalfa
- Large square or round bales of high moisture content
- Large square or round bales of long mixed grasses, wheat or oat hay
- Large square or round bales of crop residue such as straw or soybean stubble
- Very light and bulky feed material

NOTE: Always remove any twine, net or plastic wrap from bales before loading into mixer.

7.3.2 Loading Sequence

IMPORTANT

Load all ingredients as quickly as possible. Allow a final mix time of 3-7 minutes, or whenever the load looks consistently mixed.

Never load long stem bales last. They will not be processed or mixed into the ration and may cause unloading difficulties or spillage.

NOTE: The loading sequence could vary.

The following is an example of a typical loading sequence:

1. Load and process long stemmed materials.
2. Load haylage and corn silage.
3. Load minerals, proteins and other small quantity ingredients.
4. Load grains, wet and dry commodities, etc.
5. Load all liquid fats, water and other liquids. Always load liquids at the center of the mixing chamber.

7.4 MIXING



DO NOT ENTER MIXING CHAMBER WHILE MIXER IS RUNNING!
Shutoff and lockout power before attempting to clear an obstruction or to perform work inside the mixing chamber.
Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

IMPORTANT

Always operate at the rated PTO speed but **DO NOT EXCEED THE RATED PTO SPEED**. If the mixer is operated faster than the rated PTO speed the strain on the drive train and mixer is greatly increased.

Do not force hay into the auger with loader or any other device.

Time available to mix, thoroughness of the mix, and ingredients are all factors that must be considered when deciding on when and how fast to operate the mixer.

7.4.1 Mixing Troubleshooting Guide

PROBLEM	POSSIBLE SOLUTIONS
Forage Is Cut Too Short	• Reduce the initial processing time. • Adjust hay stops to a less aggressive or neutral position. (See Section 7.7 HAY STOP ADJUSTMENT) • Reduce total loading time. • Reduce auger speed to limit aggressiveness in processing. • Modify the knife type, quantity, setting or placement.
Spillage Is Occurring	• Reduce Load Size. • Reduce auger speed. • Make sure machine is level. • The load size may need to be reduced until the unit is polished inside. • Adjust hay stops to a less aggressive or neutral position. • Adjust knives to a less aggressive position. • If spillage still occurs, the optional side extensions or hay retention ring may need to be installed.
Dead Spots	• The load size may need to be reduced until the unit is polished inside. • The auger scraper may need to be adjusted. (See Section 8.3.5 Auger Scraper Plate)

7.5 PLATFORM / LADDER OPERATION

CAUTION

Do not climb or step on any part of the implement except designated ladders or platforms.

Use only designated ladders or platforms where provided.

Ensure implement is in park before use.

Park the truck on a flat, level surface.

Engage the parking brake.

NOTE: Always maintain a three-point contact at all times when getting on and off the ladder. Use the ladder rails and steps when climbing the ladder.



Figure 7.3 Ladder

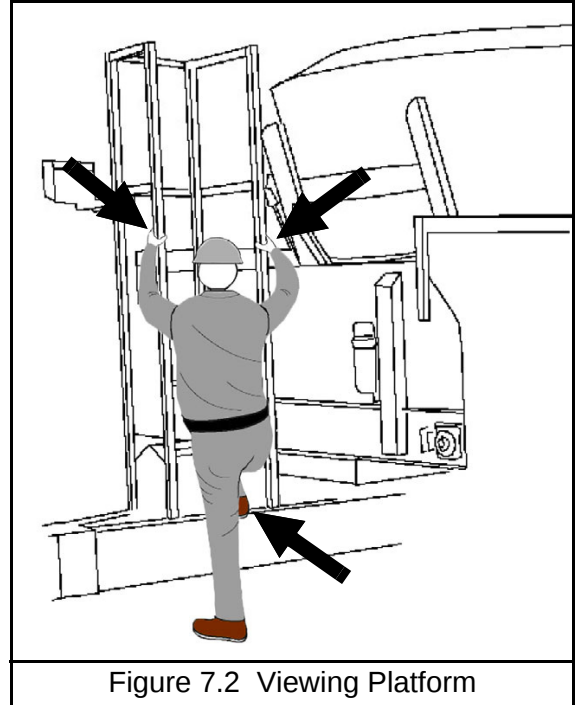


Figure 7.2 Viewing Platform

7.6 UNLOADING



DO NOT ENTER MIXING CHAMBER WHILE MIXER IS RUNNING!
Shutoff and lockout power before attempting to clear an obstruction or to perform work inside the mixing chamber. Refer to section 5.3 SHUTOFF & LOCKOUT POWER.

Make certain all personnel are clear of the implement before applying power.



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



Once PTO has been disengaged and a change of auger speed has been selected, allow at least 5 seconds for the stop & shift gearbox to complete the shift process before engaging PTO.

NOTE: Unload the mixed ration within a short time of mixing. A fully loaded mixer which is bounced over rough terrain or allowed to settle will require more horsepower during start-up.

1. Enter the truck, start the engine, release the parking brake.
2. Move the mixer to the unloading area.
3. Be sure that mixer is parked on a level surface.
4. Shift front sliding conveyor into working position or lower slide tray / conveyor (if equipped).

NOTE: Mixers equipped with a power shift transmission will automatically shift to low if the PTO RPM drops below 600 RPM while in "High".

5. For mixers equipped with a stop & shift gearbox, shift the gearbox into "Low" to ease the start of a full load for unloading.
6. Engage the PTO.
7. Set the truck engine to operate at approximately 1/2 of rated PTO speed.
8. Open discharge door slowly to adjust the amount of material to be discharged. Adjust door height or conveyor speed for desired flow of feed.
9. After the load begins to discharge, increase the tractor RPM to full rated PTO speed to ensure fast and thorough clean out while driving forward along the discharge path.
10. During the unloading process, the mixer can be shifted into "High". See section 6.4 CONTROLS for more details. This will help remove any feed remaining on the augers and assist in keeping an even flow until the mixer is empty.
11. When finished unloading, follow the Shut-Down procedure section 6.5.2 Shut-Down Procedure.

7.7 HAY STOP ADJUSTMENT

CAUTION

DO NOT adjust the hay stops while the mixer is running. Moving feed inside the mixer can make the hay stop move suddenly causing injury to the person making the adjustment.

IMPORTANT

Never operate the mixer without the hay stop lock bolt installed.

7.7.1 Hay Stop Lock Bolt

The hay stop lock bolt (Item 1) prevents the hay stop from rotating past the intended range of operation. If the hay stop bolt and the positioning pin (Item 2) are removed, the hay stop could contact the moving auger and cause damage to the hay stop and auger.

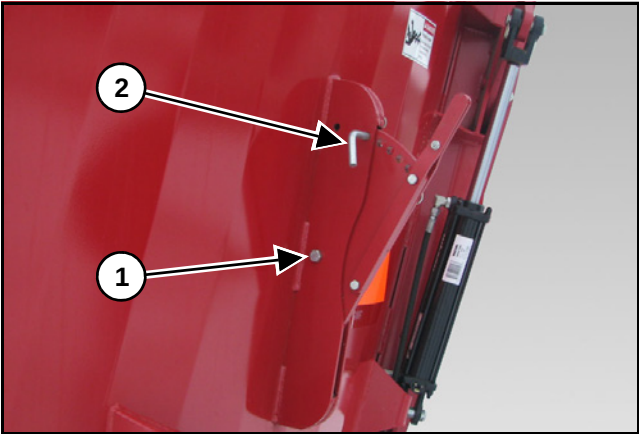


Figure 7.4 Hay Stop Lock Bolt

Position	Setting	Material
A	High	Light And Bulky Material (Dry Grasses)
B	Medium High	Alfalfa Bales And Other Forages
C	Neutral	Unrestrained Movement Of Feed
D	Medium Low	Heavier Rations
E	Low	Aggressive Cutting

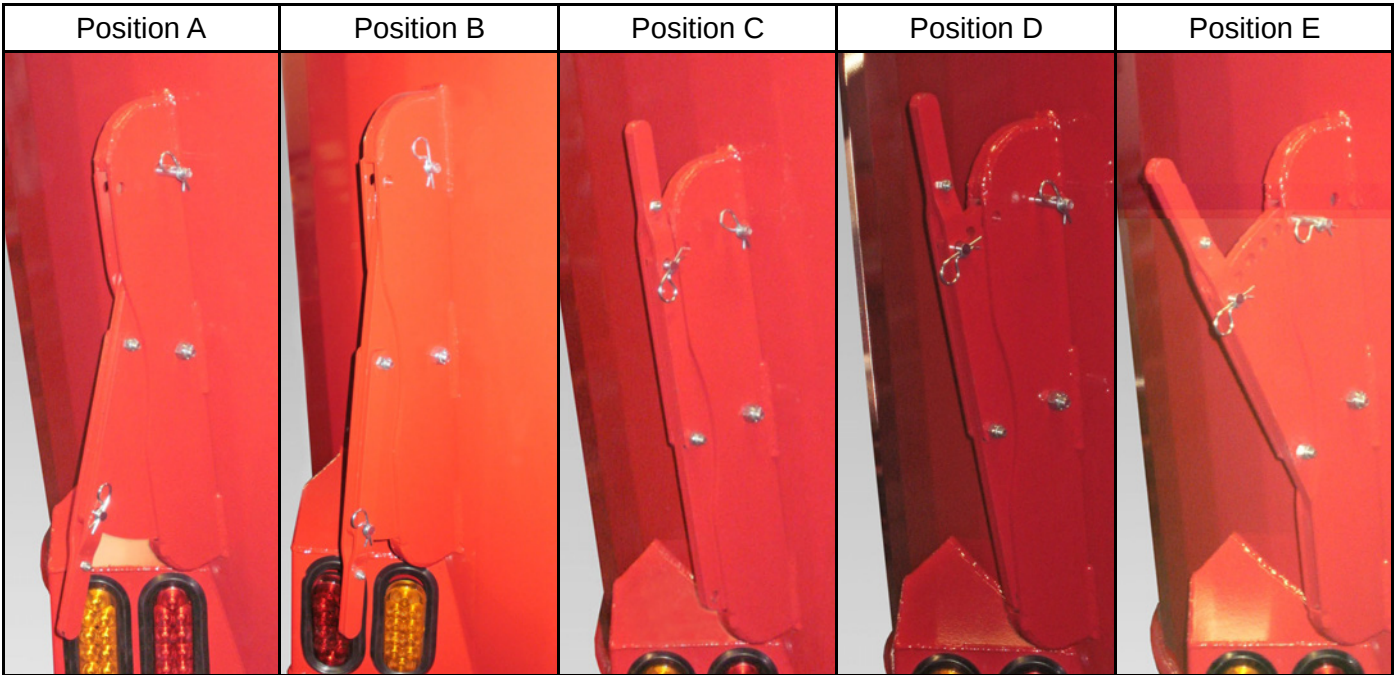


Figure 7.5 Hay Stop Positions

8.0 MAINTENANCE

8.1 GENERAL



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

IMPORTANT

When welding do not allow electrical current to flow through bearings, roller chains, or scale weigh bars. Ground the welder directly to the part being welded. Always disconnect the power cord from scale indicator before welding.

8.2 LUBRICATION



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

IMPORTANT

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

Failure to grease the pump driveline will reduce the life of the cross bearings.

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.*
- *We recommend using a 4-jaw grease coupling to allow greasing of both imperial and metric style grease fittings.*
- *Over lubrication is a major cause of roller bearing failures. Please lubricate conservatively when unsure of bearing requirements.*
- *Do not mix synthetic and mineral oils.*

8.2.1 Daily Lubrication

Check the planetary gearbox oil levels daily to prevent abnormal component wear. Add new oil to the planetary reservoir tank (See 8.2.10 Planetary/Stop & Shift/Power Shift Oil Change Procedures) if the oil level is not at the oil reservoir mark (Item 1).

Check for any oil leaks. If leaks occur, correct the source of the leak.

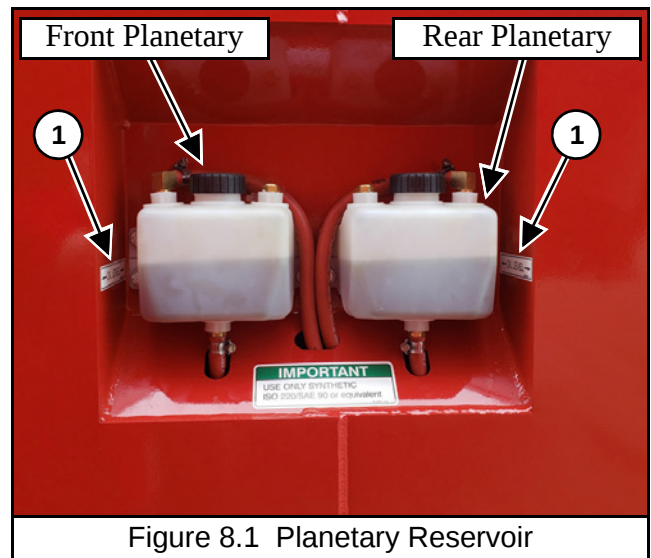


Figure 8.1 Planetary Reservoir

Check the remote hydraulic power unit oil level. With all cylinders collapsed, fill within 1/2" of the reservoir fill cap (Item 2).

Check for any oil leaks. If leaks occur, correct the source of the leak.

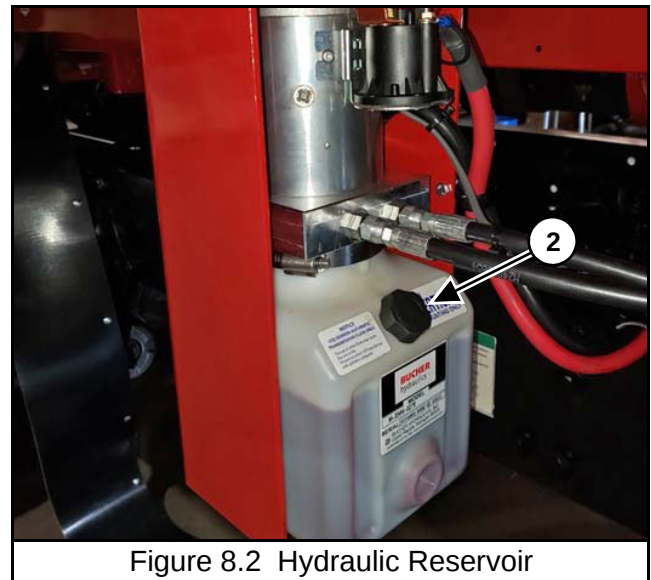


Figure 8.2 Hydraulic Reservoir

Check the 585 & 700 stop & shift gearbox oil level daily to prevent abnormal component wear (If Equipped). Add new oil to the gearbox (See 8.2.10.2 Stop & Shift Gearbox (If Equipped)) if the oil level is not at the sight glass (Prior to SN 21VM(0585206, 0700204)) or oil level hose (SN 21VM(0585206, 0700204) & Later).

Check for any oil leaks. If leaks occur, correct the source of the leak

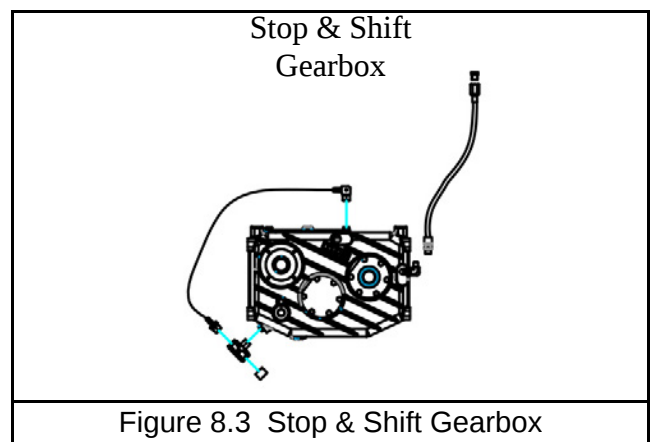


Figure 8.3 Stop & Shift Gearbox

Check the power shift transmission oil level daily to prevent abnormal component wear. Add new oil to the transmission (If Equipped). Add new oil to the power shift transmission (See 8.2.10.4 Power Shift Transmission (If Equipped)) if the oil level is not at the sight glass.

Check for any oil leaks. If leaks occur, correct the source of the leak.

Power Shift Transmission

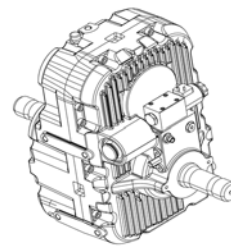


Figure 8.4 Power Shift Transmission

8.2.2 Monthly Lubrication

Grease all stop & shift driveline bearings (Item 3).

NOTE: Shielding has been removed for illustration purposes only.

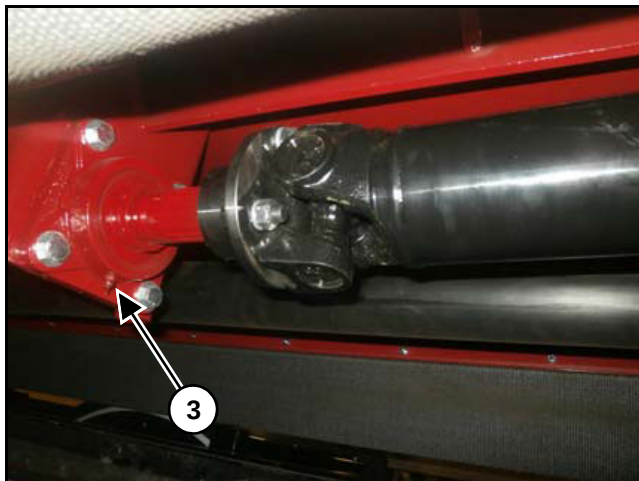


Figure 8.5 Stop & Shift Driveline - Front

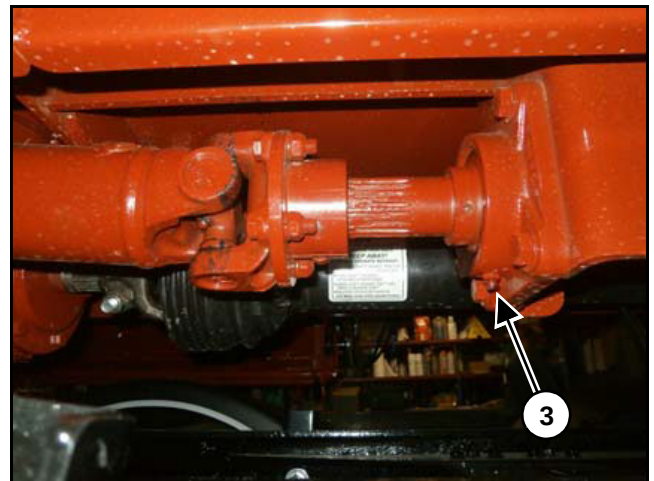


Figure 8.6 Stop & Shift Driveline - Rear

Grease the four (4) front cross conveyor bearings (Item 4) (If Equipped).

Grease the two (2) front conveyor rotary magnet bearings (Item 5) (If Equipped).

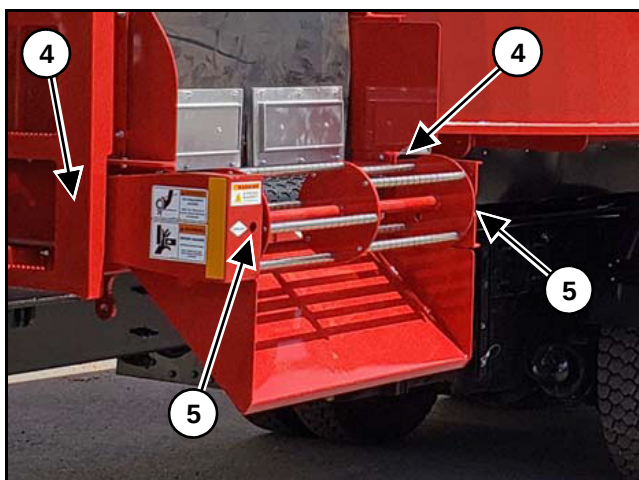


Figure 8.7 Front Cross Conveyor - Left Side



Figure 8.8 Front Cross Conveyor - Right Side

Grease weigh bar mounts (Item 6) (If mounts are equipped with grease zerks).

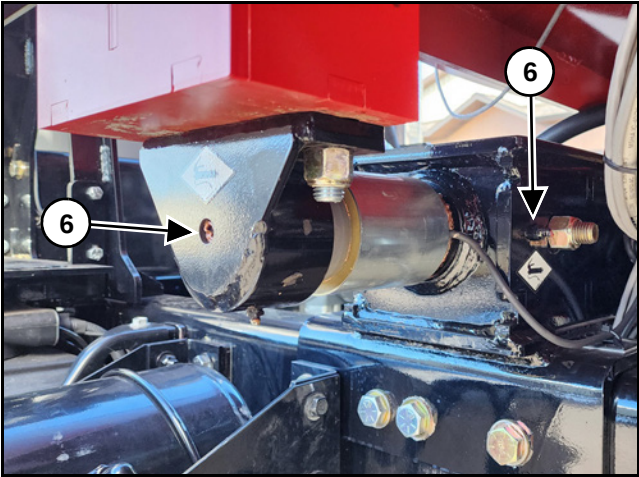


Figure 8.9 Front Chain Conveyor Return

8.2.3 Every 40 Hours

Oil door pivots (Item 7).

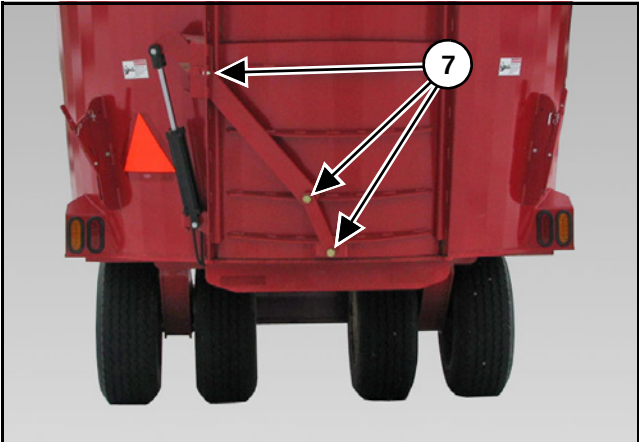


Figure 8.10 Door Pivots

8.2.4 First 50 Hours

First oil change in the planetaries (See 8.2.10.1 Planetary Gearbox).

First oil change in the stop & shift gearbox (If Equipped). (See 8.2.10.2 Stop & Shift Gearbox (If Equipped))

First oil change in both front driveline gearboxes. (See 8.2.10.3 Front Driveline Gearbox)

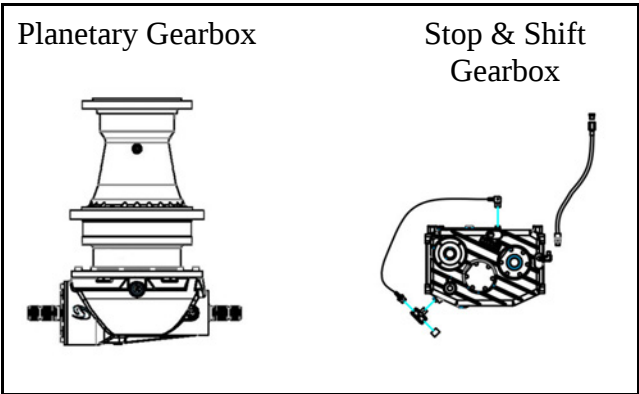


Figure 8.11 Planetary / Stop & Shift Gearbox

8.2.5 Every 50 Hours

Grease all PTO driveline zerks using a semi-synthetic grease with a lithium complex.

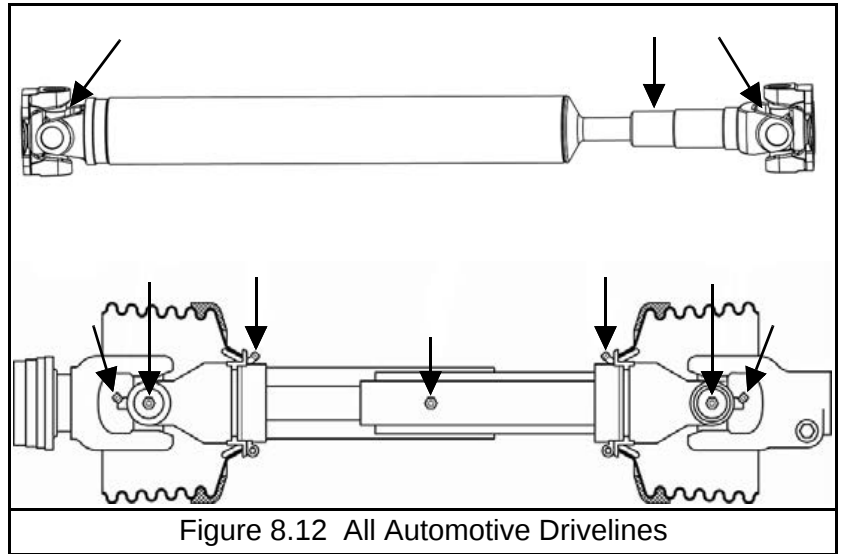


Figure 8.12 All Automotive Drivelines

Grease all universal joints (Item 8) and the slide (Item 9).

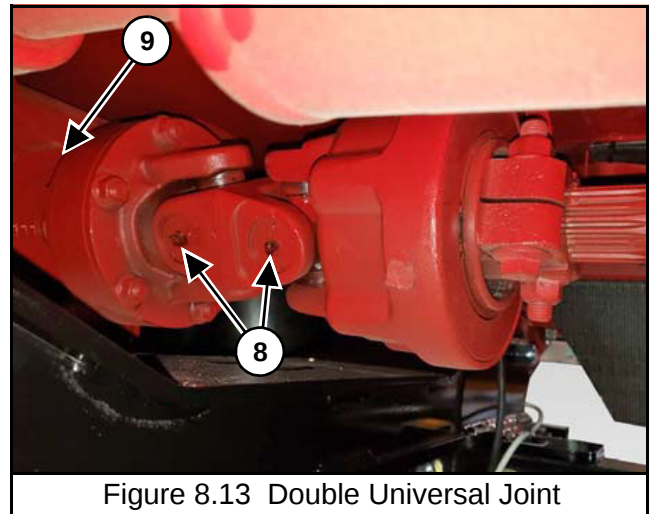


Figure 8.13 Double Universal Joint

8.2.6 Every 250 Hours

Grease the four (4) side door conveyor bearings (Item 3) (both sides) (If Equipped).

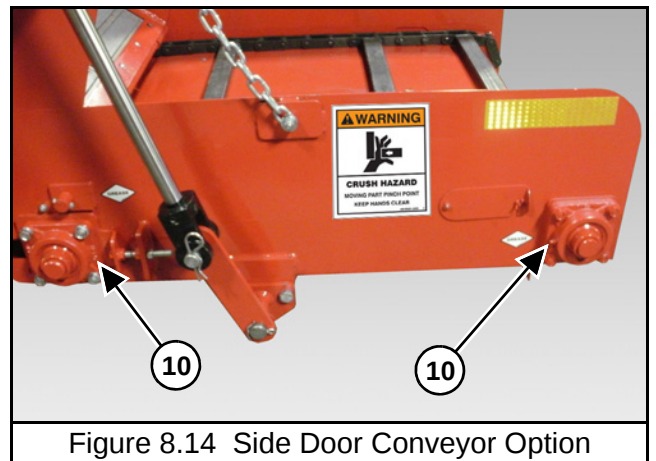
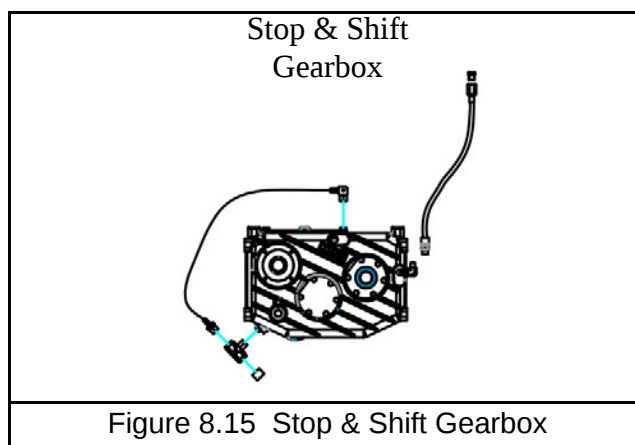


Figure 8.14 Side Door Conveyor Option

8.2.7 Semiannually or Every 500 - 600 Hours (Whichever Is First)

Change oil in the stop & shift gearbox (If Equipped). (See 8.2.10.2 Stop & Shift Gearbox (If Equipped))

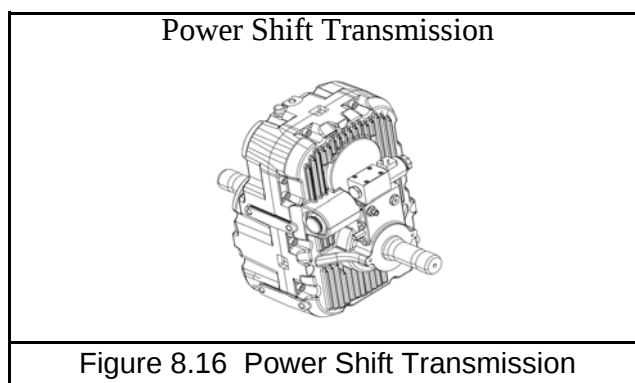
Change oil in both front driveline gearboxes. (See 8.2.10.3 Front Driveline Gearbox)



8.2.8 Annually or Every 1000 Hours (Whichever Is First)

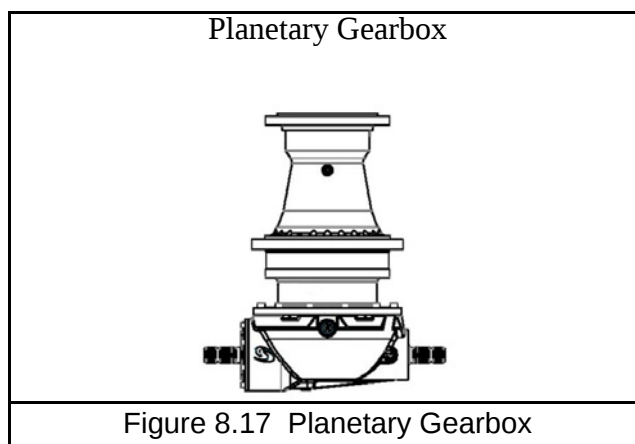
Change the power shift transmission oil and filter (If Equipped). (See 8.2.10.4 Power Shift Transmission (If Equipped))

(Filter Element Part Number: 119-Z-26-1)



8.2.9 Annually or Every 2000 Hours (Whichever Is First)

Change oil in the planetary gearboxes. (See 8.2.9.1 Planetary Gearbox)



8.2.10 Planetary/Stop & Shift/Power Shift Oil Change Procedures



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

IMPORTANT

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

NOTES:

- *In order to avoid sludge deposits, change the oil while the gear unit is still warm.*
- *For an effective oil change, the unit should be flushed with a liquid detergent recommended by the lubricant supplier.*
- *The mixer should be level when changing gearbox oil.*

8.2.10.1 Planetary Gearbox

Draining

- Place a container of sufficient capacity under the gearbox (Item 4). Remove the planetary reservoir (Item 2) cap (Item 3).
- Drain the planetary by removing the drain plug (Item 5).
- After the planetary is completely drained, reinstall the drain plug.

Filling

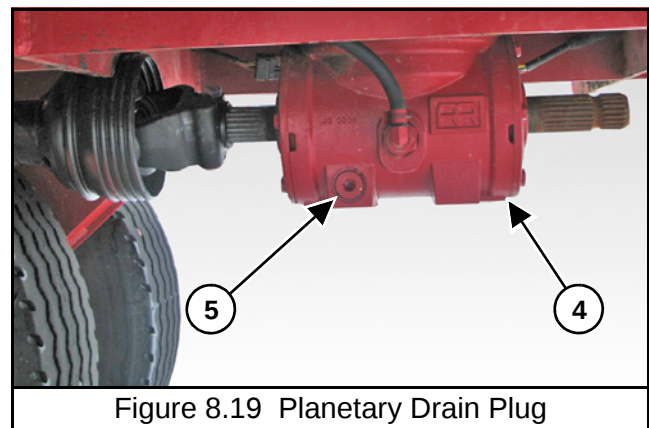
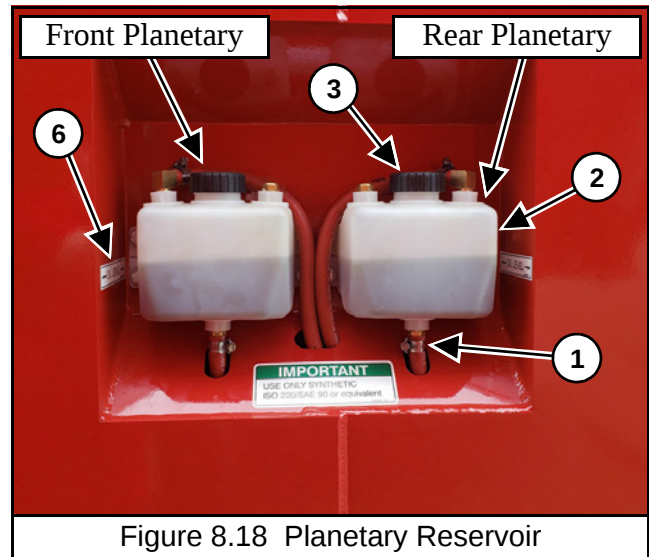
Filling with an oil pump:

(Call the factory to purchase an oil pump kit, Part #: VA-OP.)

- Loosen the hose clamp and detach the lower hose (Item 1) on the reservoir (Item 2). Unbolt the reservoir and lay so the top hose and reservoir are below the lower hose used for filling (Item 1).
- Connect oil pump to the lower hose (Item 1) and fill with oil until the reservoir (Item 2) fills with approximately 2 quarts of oil. Discard this oil if it is dirty.
- Reattach the lower reservoir hose (Item 1) with the hose clamp.
- Bolt the reservoir back in place.
- Fill the reservoir to the oil level mark (Item 6) and reinstall the cap (Item 3).

NOTE: See Planetary Lubrication Specifications table for oil type and approximate capacities.

- Inspect the reservoir breather, make sure it is not plugged, and check for leaks.



PLANETARY LUBRICATION SPECIFICATIONS				
Model	Part Number	Description	Oil Type	Capacity Per Planetary (Including Reservoir) (Approximate)
585 & 700 (Stop & Shift)	119-18-13.92-1	1800 Planetary 13.92:1	Synthetic ISO 220 Or Equivalent	20.5 Quarts
585 & 700 (Power Shift)	119-21-25.67-1	2100 Planetary 25.67:1	Synthetic ISO 220 Or Equivalent	18.5 Quart

8.2.10.2 Stop & Shift Gearbox (If Equipped)

IMPORTANT

Check the gearbox oil levels regularly to prevent abnormal component wear. Add oil to the reservoir tank if oil level is not at the oil level mark.

Draining

- Place a container of sufficient capacity under the gearbox.
- Drain the unit by removing the plug from the bottom of the gearbox.
- After the unit is completely drained, reinstall the plug.

Filling

- Remove breather plug and fill with oil to the sight glass (Prior to SN 21VM(0585206, 0700204)) or oil level hose (SN 21VM(0585206, 0700204) & Later).

NOTE: See stop & shift Gearbox Lubrication Specifications table for oil type and approximate capacities.

- Inspect the breather to make sure it is not plugged.
- Replace breather plug and check for leaks.

STOP & SHIFT GEARBOX LUBRICATION SPECIFICATIONS				
Model	Part Number	Description	Oil Type	Capacity (Including Reservoir) (Approximate)
585 & 700	119-2SP-1.8-2.7-3	1.8:1 / 2.7:1	Synthetic ISO 220 Or Equivalent	14.25 Quarts
585 & 700	119-2SP-1.8-2.7-6	1.8:1 / 2.7:1	Synthetic ISO 220 Or Equivalent	8 Quarts

8.2.10.3 Front Driveline Gearbox

IMPORTANT

Check the gearbox oil levels regularly to prevent abnormal component wear. Add oil to the reservoir tank if oil level is not at the oil level mark.

Run mixer to warm gearbox oil.

Remove belting.

Disconnect drive shafts.

Left PTO Drive: U-joint will slide off gearbox shaft while removing lower gearbox.

Right PTO Drive: Remove chain coupler between both gearboxes.

Unbolt bottom gearbox and remove.

Unbolt upper gearbox support.

Drain gearbox oil.

Refill gearbox with oil to the sight glass.

Reinstall gearboxes and drive shafts.

Reinstall belting.

8.2.10.4 Power Shift Transmission (If Equipped)

IMPORTANT

Check the transmission oil levels regularly to prevent abnormal component wear. Add oil to the transmission if oil level is not at the oil level mark.

Draining

- Be sure the mixer is positioned on level ground/surface.
- Place a container of sufficient capacity under the transmission.
- Drain the unit by removing the plug (Item 4) from the bottom of the transmission.
- After the unit is completely drained, reinstall the plug.

Filter Replacement

- Remove filter snap ring and cap (Item 1).
- Remove old filter taking note of spring location.
- Lubricate the O-ring with clean oil.
- Place the new filter element carefully onto the element spigot with the spring in its proper location.
- Reinstall the filter cap and snap ring.

Filling

- Remove breather/filler plug (Item 2).
- Fill transmission until the oil level has reached the sight glass (Item 3).

NOTE: See Power Shift Transmission Lubrication Specifications table for oil type and approximate capacities.

- Replace the breather/filler plug.
- Run the transmission with no load for a few minutes, switching from low to high gear several times.
- Check the oil level and add if necessary.
- Inspect the breather, make sure it is not plugged, and check for leaks.

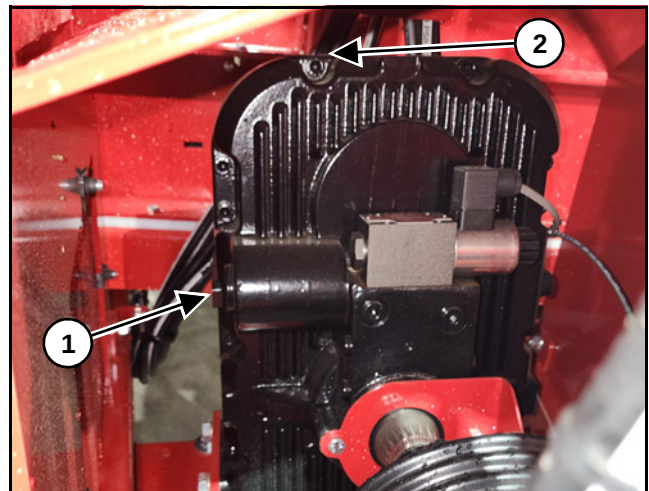


Figure 8.20 Power Shift Transmission Filter

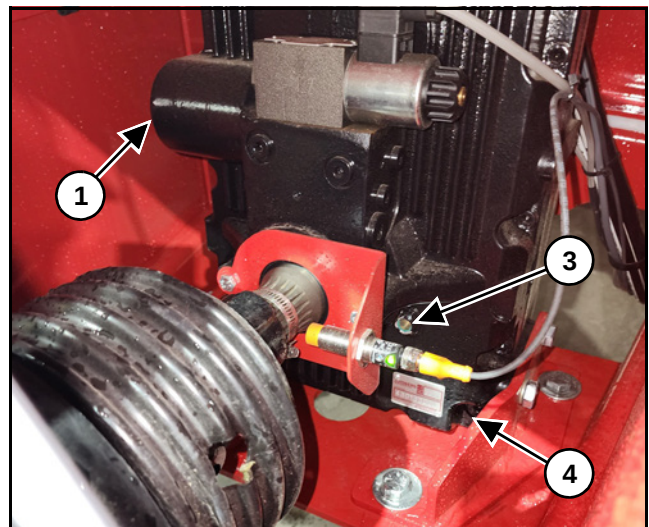


Figure 8.21 Power Shift Transmission

POWER SHIFT TRANSMISSION LUBRICATION SPECIFICATIONS				
Model	Part Number	Description	Oil Type	Capacity (Including Filter) (Approximate)
585 & 700 (Power Shift)	119-2SP-1.0-1.77-2	1.00:1 / 1.77:1	See Approved Fluid Table	4.3 Quarts

POWER SHIFT TRANSMISSION FLUID (ATF) OIL						Revision: 00 Latest Update: 07-2017	
Supplier:	Product Name:	Viscosity @40°C:	Viscosity @100°C:	Viscosity Index:	Pour Point:	STATUS	
						Recommended	Approved
AGCO	AGCO PERMATRAN 821XL T&H OIL SAE 10W30	58	9.2	141	-33°C		X
BP	BP VANELLUS AGRI SUPER TRANSMISSION 80W	57	10.2	167	-39°C	X	X
CASTROL	CASTROL AGRI TRANS PLUS 80W	55	9.8	161	-45°C		X
CLAAS	CLAAS AGRISHIFT GA12	59	10.2	155	-39°C		X
EXXONMOBIL	MOBILFLUID 424	55	9.3	145	-42°C		X
EXXONMOBIL	MOBILFLUID 426	59	9.7	149	-36°C		X
FUCHS	FUCH AGRIFARM UTTO MP	56	9.3	147	-42°C		X
JOHN DEERE	JOHN DEERE HY-GARD	59	9.4	140	-40°C		X
KUBOTA	KUBOTA UDT	62	10.1	148	-45°C		X
KUWAIT PETROLEUM	Q8 T2200	55	9.8	165	-30°C		X
MASSEY FERGUSON	MASSEY FERGUSON PERMATRAN T&H OIL SAE 10W30	58	9.2	141	-33°C		X
PETRONAS	PETRONAS ARBOR MTF 10W30	58	9.5	147	-40°C		X
PETRONAS/ CNH	AMBRA MULTI-G	N/A	9.5	140	-40°C		X
PETRONAS/ CNH	CASE AKCELA HY-TRAN ULTRACTION	57	9.3	145	-39°C		X
PETRONAS/ CNH	NH AMBRA MASTERTRAN ULTRACTION	57	9.3	145	-42°C		X
SHELL	SHELL SPIRAX S4 TXM	60	9.4	138	-42°C		X
SHELL	SHELL SPIRAX S6 TXME	64	10.4	151	-48°C		X
TOTAL	TOTAL DYNATRANS MPV	64	10.4	150	-39°C		X
TOTAL	ELF TRACTELF BF 16	59	10.1	153	-33°C		X
VALVOLINE	UNITRAC 80W	63	10.0	143	-39°C		X
ATF-Oil With The Defined Specifications		<62	>9.0	>140	<-35°C		X

8.3 ADJUSTMENTS



CAUTION

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

If work must be done inside the mixer, put a protective cover over the auger knives to avoid injury. The hopper and flighting may be slippery. Use caution when stepping on or standing inside the mixer.

8.3.1 Belt Conveyor Tension

IMPORTANT

Check belt tension often. Belts can tighten with use. Overtightening can cause damage to belt.

Front Conveyor:

Tension the belt (Item 1) so as the belt is flush with the bottom radius (Item 2) of conveyor side rails.

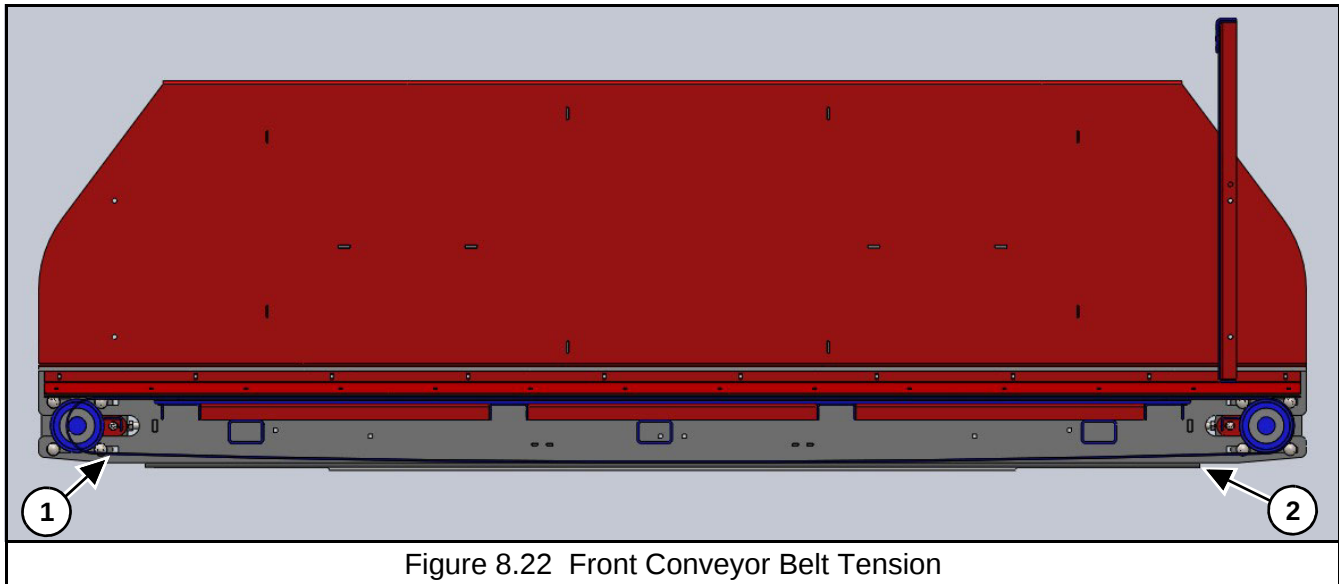


Figure 8.22 Front Conveyor Belt Tension

Incline/Side Discharge Conveyor:

Tension the belt (Item 3) so as the midpoint between both rollers hangs $7/8$ " lower than at the rollers (Item 4).

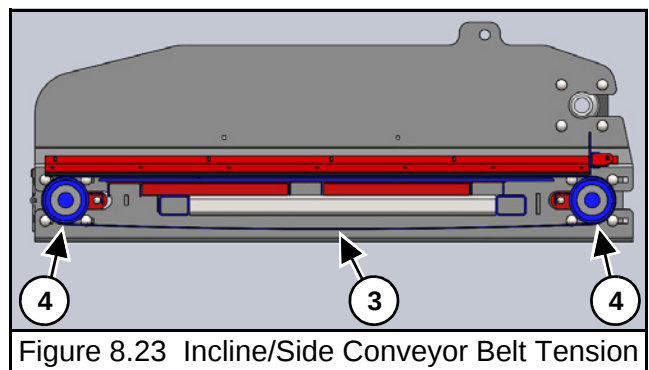


Figure 8.23 Incline/Side Conveyor Belt Tension

8.3.2 Tracking

NOTE: The primary discharge side for the two motor flat conveyor is the side that is used for discharge the most.

Step 1: Loosen the lock nuts (Item 1) holding the four bearings to the conveyor. Loosen the tightener nuts (Item 2) on all adjuster locations. Do not loosen the scraper bolts (Item 3).

Step 2: Locate the primary discharge side of the conveyor.

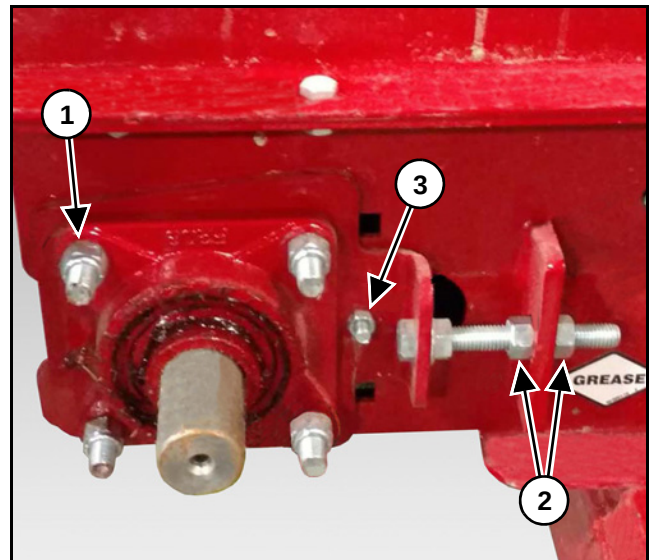


Figure 8.24 Conveyor Adjusters

Step 3: Set the primary side as follows:

Use the primary side adjusters to remove at least half of the belts slack. Measure, as shown below, until both sides of the drive pulley shaft (Item 4) are set at exactly the same from the end of the conveyor frame (Item 5).

Step 4: Once the primary drive pulley is set and square, tighten the lock nuts on both primary drive pulley bearings. Lock both adjusters on the primary drive pulley.

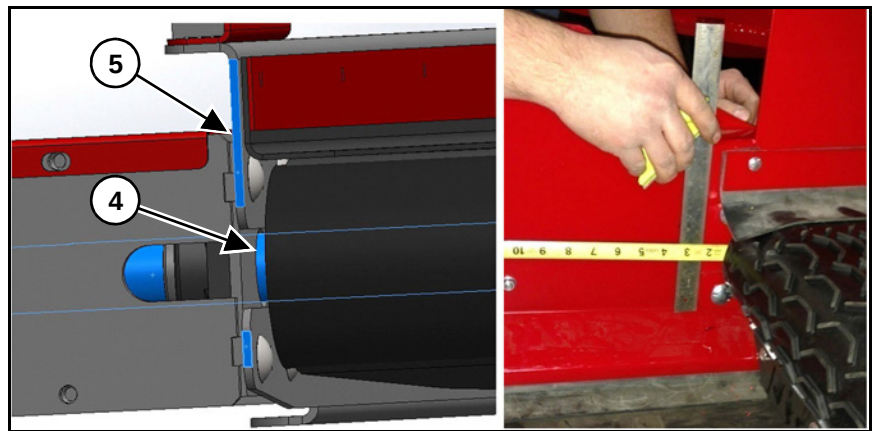


Figure 8.25 Conveyor Primary Discharge Side Setup

Step 5: With the primary discharge drive pulley set, move to the other side of the conveyor. Start to evenly tighten the belt by alternating sides on the non-primary discharge pulley adjusters. Tighten until the lowest hanging part of the belt is flush with the bottom of the conveyor frame. Once the belt is tight (Do not over tighten belt), measure the distance from the non-primary discharge shaft to the end of the conveyor frame, same as shown in Step 3. Do that for both shaft ends of the non-primary discharge pulley.

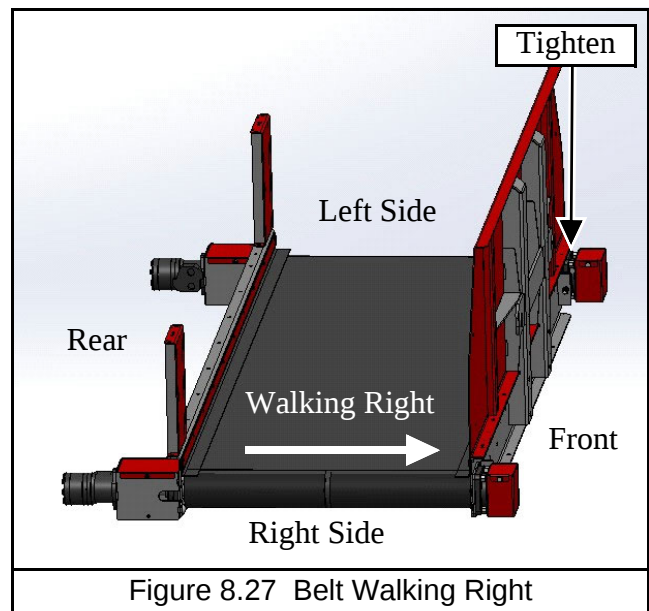
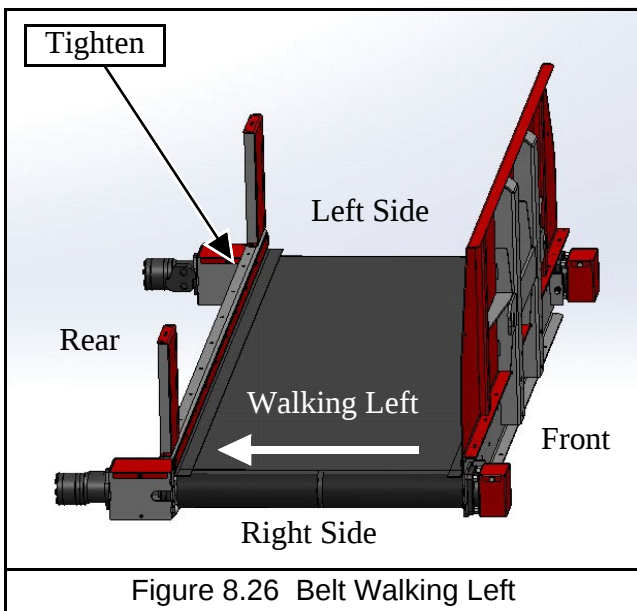
Step 6: Take the shortest measurement from either end and set both ends of the non-primary discharge pulley to the same measurement.

NOTE: If you run out of adjustment on the non-primary side, repeat Step 3 and remove more slack from the belt using the primary side.

Step 7: With the belt tightened as shown in section 8.3.1 Belt Conveyor Tension and the non-primary discharge pulley square with the conveyor frame, tighten the adjuster lock nuts for both non-primary discharge pulley bearings.

Step 8: Run the mixer conveyor for 2-3 minutes (both directions for front flat conveyors) at full RPM. If you notice the belt walking to the left or right while looking at the primary discharge end of the conveyor, stop the conveyor. Check your measurements to make sure both primary and non-primary discharge pulleys are square with the conveyor frame. If the conveyor pulleys are square but the belt continues to walk, use the images below to unlock and tighten the corresponding non-primary discharge pulley bearing adjuster (See Below). Continue to slightly adjust and run the conveyor until the belt stops walking.

NOTE: *If the center v of the belt is completely out of the pulley groove, you may have to loosen both non-primary pulley adjusters to center the belt. Re-tighten to your measurement used in Step 6 before adjusting the conveyor as shown below.*



NOTE: *Both images are viewed as if the conveyor is a right primary discharge.*

Step 9: With the belt conveyor tracking properly, make sure all bearing bolts are tight and adjusters are locked.

Step 10: Watch the conveyor when discharging your feed ration to make sure the belt doesn't slip. If the belt is slipping, evenly tighten the non-primary discharge side. Run and check belt alignment. Repeat as necessary.

Step 11: Watch the conveyor when discharging your feed ration to make sure the belt doesn't slip. If the belt is slipping, evenly tighten the non-primary discharge side. Run and check belt alignment. Repeat as necessary.

NOTE: *If you run out of adjustment on the non-primary side, repeat Step 3 and remove more slack from the belt using the primary side.*

8.3.3 Side Discharge Conveyor

To adjust tension of the chain, loosen the inner nut (Item 1) and either tighten or loosen the outer nut (Item 2) as needed. Count the number of turns you are adjusting so you can adjust the other end. Once you have proper tension, re-tighten the inner nut (Item 1) on both sides.

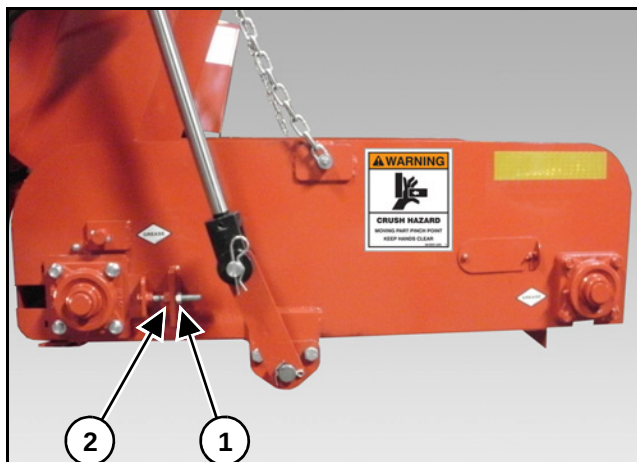


Figure 8.28 Side Discharge Conveyor

8.3.4 Auger Scraper Plate

Check the auger scraper monthly for proper clearance with the side panel. Locate the closest point along the augers rotation that the scraper comes to the baffles. Adjust the scraper to a 1/16" from the located closest point as shown in the image.

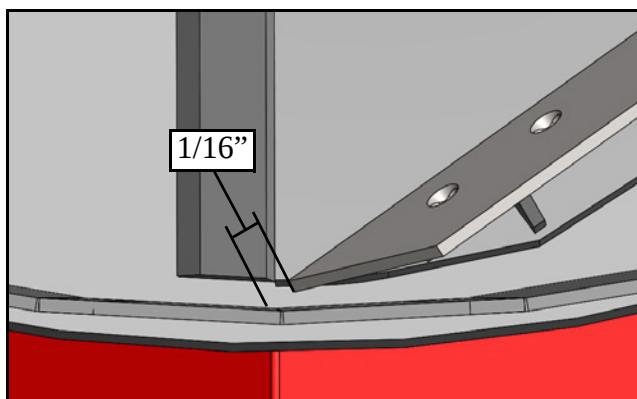


Figure 8.29 Auger Scraper Plate

8.3.5 Auger Timing

Auger timing is critical. Whenever disconnecting the PTO connecting the two planetaries, it is critical that the front leading edge be 225° from the rear leading edge when the rear leading edge is pointing to the front auger.

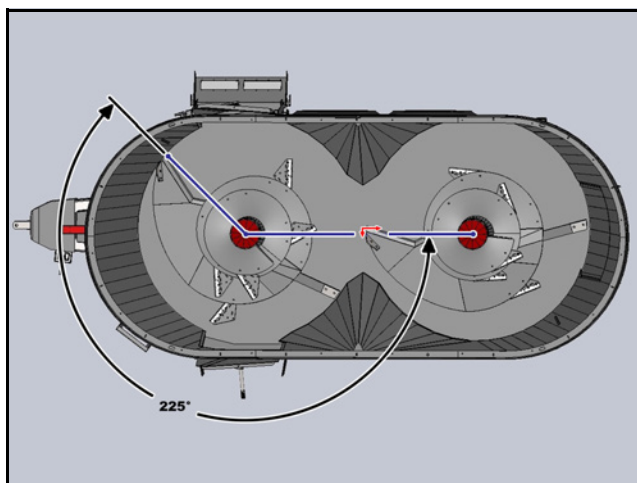


Figure 8.30 Auger Timing

8.3.6 PTO Cutout Clutch Connection

The cutout clutch end of the PTO driveline must always be attached to the implement. The PTO driveline is equipped with a 1-3/4" x 20 spline on the implement half for attaching to the spreader. Remove the M17-hexagon bolt from the splined hub and slide the PTO onto the implement splined input shaft. Install the hexagon bolt (Item 1) through the hub being sure the bolt is falling into the groove on the splined shaft. Torque tight using a metric size M17 6-point socket and torque down to 75 ft. lbs. A M17 6-POINT METRIC SOCKET MUST BE USED AS ROUNDING OF HEXAGON BOLT AND INACCURACY OF TORQUE SETTINGS COULD OCCUR.

If removal of the M-17 hexagon bolt is necessary, use the same M-17 6-point socket and loosen bolt 1/2 turn. Insert a 1/4" drift punch in the hole on the opposite side of the hexagon bolt and tap to loosen the seated portion of the bolt from the splined hub. Loosen in 1/4 turn increments and tapping to loosen. After bolt seat has been released, remove the bolt. If bolt is not unseated, damage to the hexagon bolt will occur.

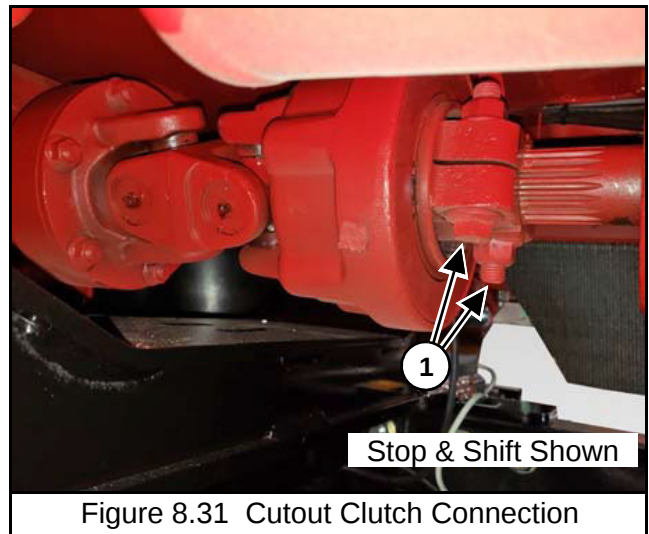


Figure 8.31 Cutout Clutch Connection

8.3.7 Knives

Knives are designed and intended for processing and mixing rations that include long stem forages.

NOTE: Some rations may require adding or removing knives, or changing knife position to obtain the desired result.

8.3.7.1 Knife Removal

Individual knives may be removed from the auger if the ration does not include hay or includes very small amounts of small square bale hay or tub ground hay. Removing knives will decrease the aggressive cutting action on the stem length of the ration and may also reduce horsepower requirements.

8.3.7.2 Adding Knives

If the hay in your ration is not being processed enough or fast enough extra knives may be ordered through your dealer. Adding extra knives will help break down and process materials faster, but may increase the horsepower required to process and mix.

8.3.7.3 Knife Placement

The placement of knives towards the bottom of the auger will process the forage faster and make the stem length shorter but may require more horsepower. Placement of knives higher on the auger will assist in breaking up bales faster after initial loading.

8.3.7.4 Knife Position

“Out” Position

When the knives are in the “out” position they tend to move the long stem hay and lighter bulky materials best in the early stages of processing and mixing. This setting may result in feed spillage in certain materials. Knives placed in this setting are very aggressive in processing feed and will also cause an increase in horsepower requirement.

“In” Position

When the knives are in the “in” position they will slow down the long stem hay and lighter bulky materials in the early stages of processing and mixing. Less spillage will occur due to clearance between the knives. This setting is more desirable for heavy rations with long run time and where over processing can occur. Knives placed in this position are less aggressive in processing feed and will reduce the horsepower requirement.

8.3.7.5 Replacing Damaged or Worn Knives

When knives become worn and rounded on the leading edge their efficiency is greatly reduced. This results in longer processing times and increased horsepower requirements. Refer to your parts manual and contact your Meyer MFG dealer for replacement part ordering.

8.4 FASTENER TORQUE SPECIFICATIONS



CAUTION

Shutoff and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Refer to section 5.3 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.

8.4.1 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 8.33 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 8.32 Metric Bolt Grade

SAE				
	Grade 5, 5.1 & 5.2		Grade 8 & 8.2	
Size (inches)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)
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 (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)	Lubricated (ft-lb)	Dry (ft-lb)
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

8.5 ELECTRICAL

8.5.1 Digital Scale Indicator

Refer to scale indicator (Item 1) manufacturer’s operators manual for maintenance.

NOTE: Some scale drift may occur after the scale is turned on but should level out within 10 to 15 minutes. Temperature changes may also cause some drifting.

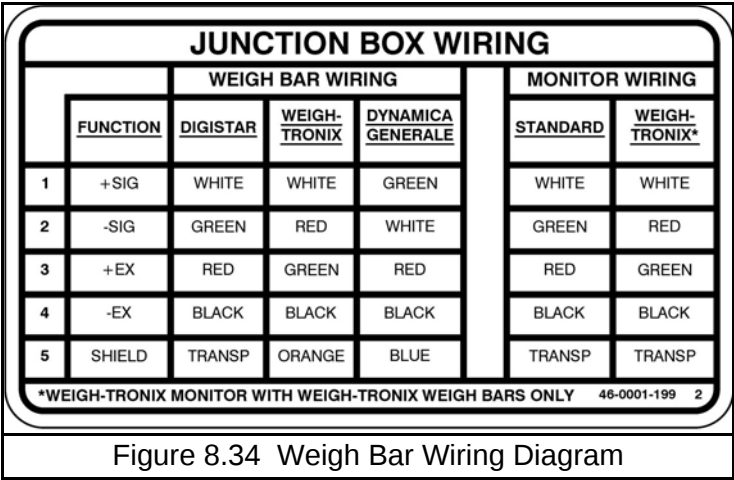


Figure 8.34 Weigh Bar Wiring Diagram

Scale Set Up Numbers

Digistar Monitors	
SET UP #	CALIBRATION #
126080	36909

Weigh-Tronix Monitors	
CONFIGURE #	CUSTOM #
98300	37620

8.6 STORING THE IMPLEMENT

LOCKOUT / TAGOUT the machine / mixer. (See 5.3 SHUTOFF & LOCKOUT POWER)

Extended Storage

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

- Fully empty the material from the mixer. (See 7.7 UNLOADING)
- Thoroughly clean the mixer inside and outside.
- Remove all material build-up.
- Lubricate the equipment. (See 8.2 LUBRICATION)
- Inspect all mixer components for wear or damage. Repair and replace components as necessary.
- Make appropriate adjustments to equipment. (See 8.3 ADJUSTMENTS)
- Inspect 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.
- 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.

8.7 RETURN THE IMPLEMENT TO SERVICE

After the Meyer mixer 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.
- Operate equipment; verify all functions operate correctly.
- Check for leaks. Repair as needed.

8.8 MIXER TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE SOLUTIONS
Requiring High Horsepower	• Reduce load size. • Adjust hay stops to a less aggressive or neutral position. • The load size may need to be reduced until the unit is polished inside. • Modify the knife type, quantity, setting, or placement.
Digital Sale Indicator	• Refer to scale manufacturer's operator manual for operation and maintenance. • Some scale drift may occur after the scale is turned on but should level out within 10 to 15 minutes. • Temperature changes may also cause some drifting.
Planetary Reservoir Is Overflowing	• Check oil level when cold. • Clean breather. • Make sure hoses are not kinked or clogged. • Change oil.

9.0 REPAIR PARTS



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.



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.



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



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.



Crushing Hazard:
Do Not work under suspended or blocked parts



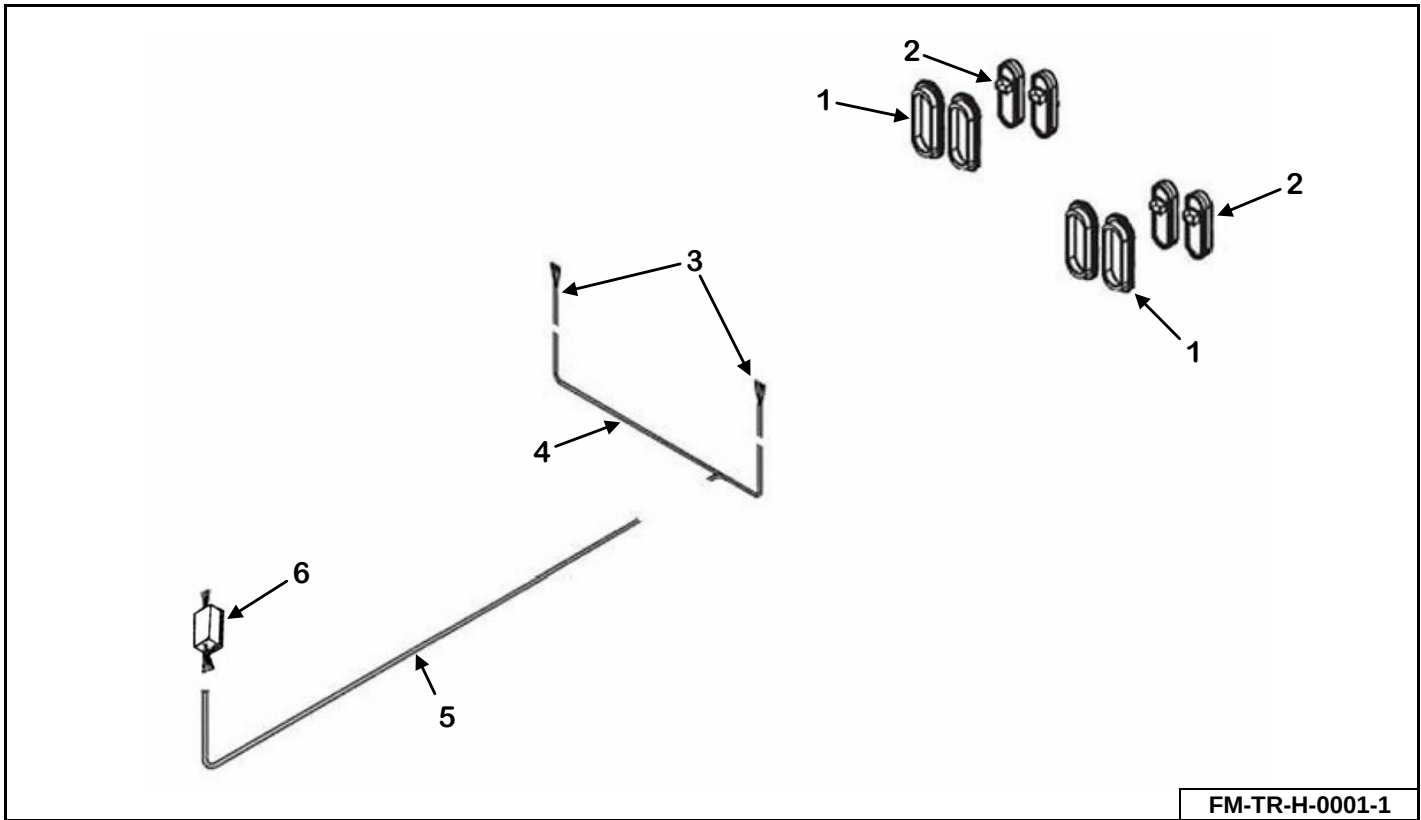
- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who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



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.

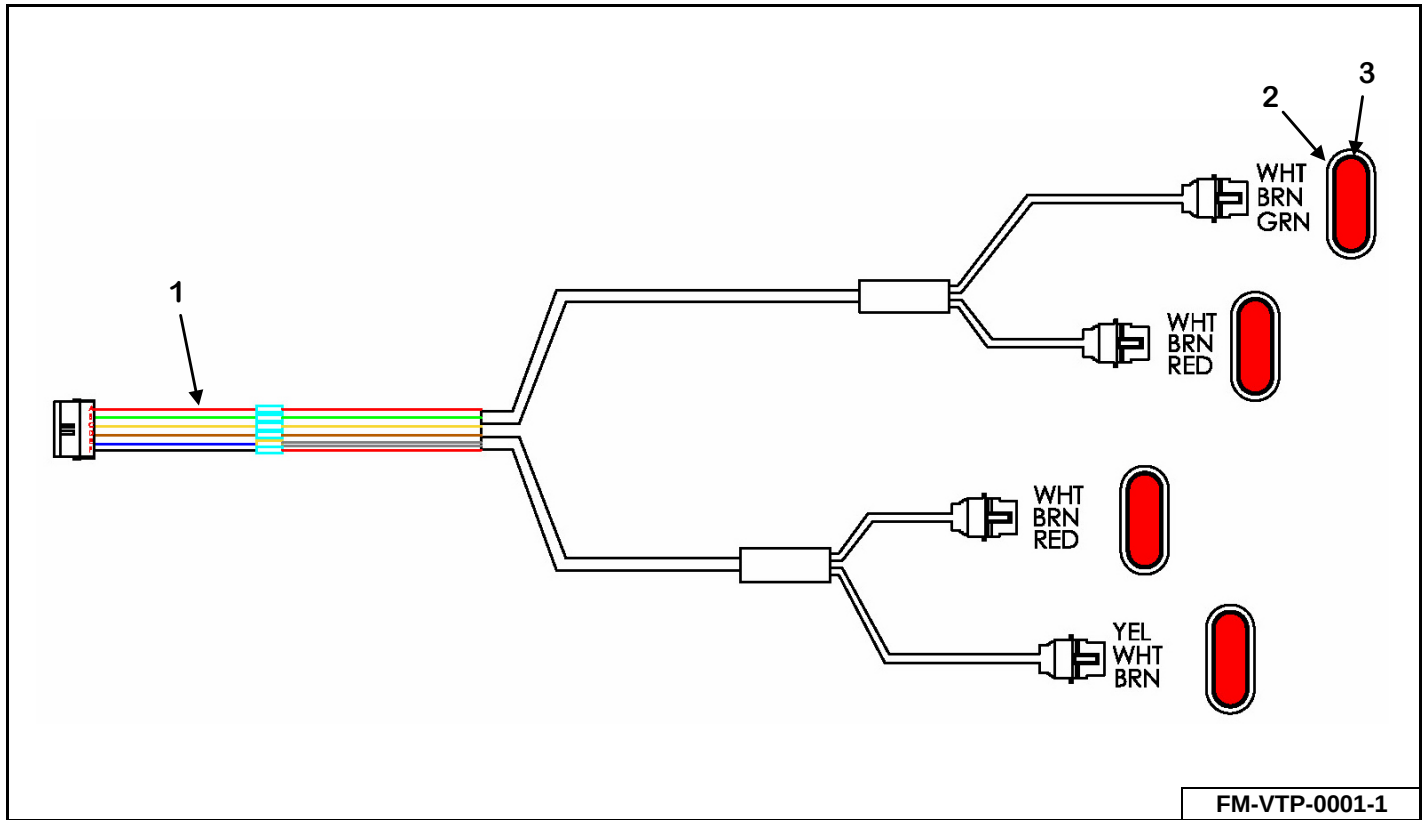
NOTE: Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

STOP & SHIFT TAIL LIGHTS



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0082	4	6" Oval Grommet	585/700
2	56-0115	4	6" Oval Red LED Light	585/700
3	56-0130-2	2	Right/Left Light Pigtail Lead	585/700
4	56-0130-1	1	Y-Harness Less Light Plug Leads	585/700
5	56-0037	AR	16GA 4-Wire Trailer Cable (By The Foot)	585/700
	156-C-6FL-TO-1	1	6 Contact Connector	585/700
	156-P-1	2	Green Cavity Plug	585/700
	156-S-18-16-1	4	Green Cable Seal	585/700
	156-T-16-14-F-1	4	Female Terminal Ends	585/700
6	56-0028	AR	Tail Light 5-Wire to 4-Wire	585/700

POWER SHIFT TAIL LIGHTS

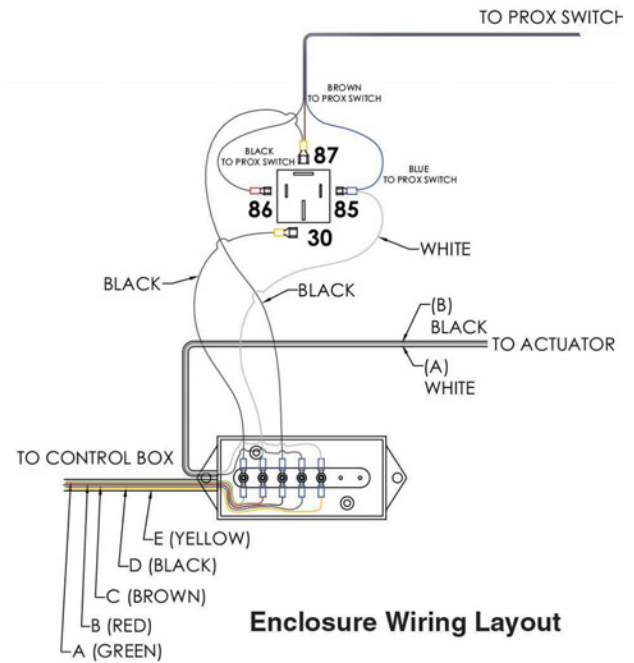


KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0512	1	Truck Mount Tail Light Harness	585/700
2	56-0082	4	6" Oval Grommet	585/700
3	56-0115-AMP	4	6" Oval Red LED Light	585/700

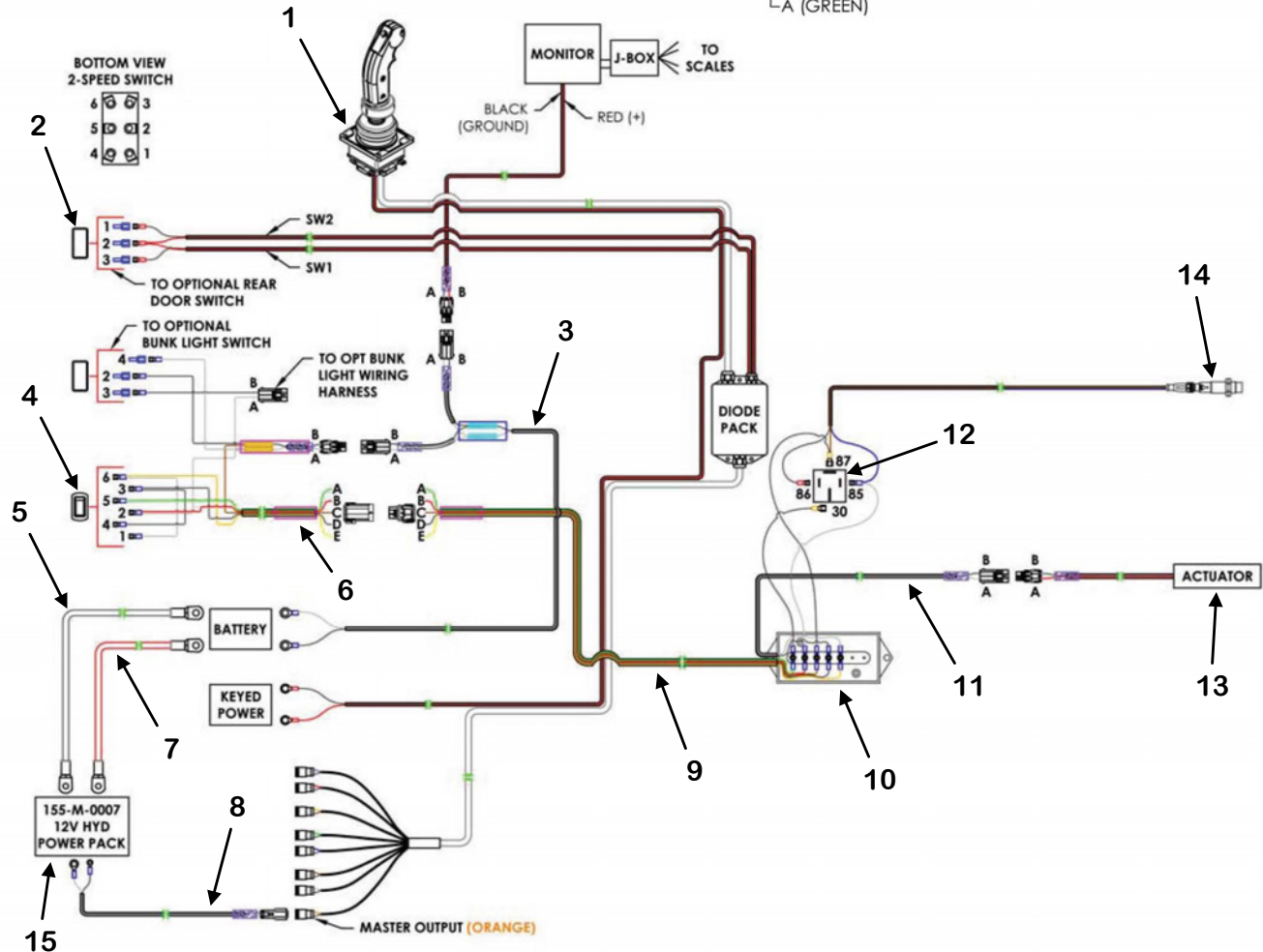
STOP & SHIFT ELECTRICAL SYSTEM (EARLY MODELS)

(Prior To SN 18VM(0585235, 0700212))

Junction Box Layout



Enclosure Wiring Layout

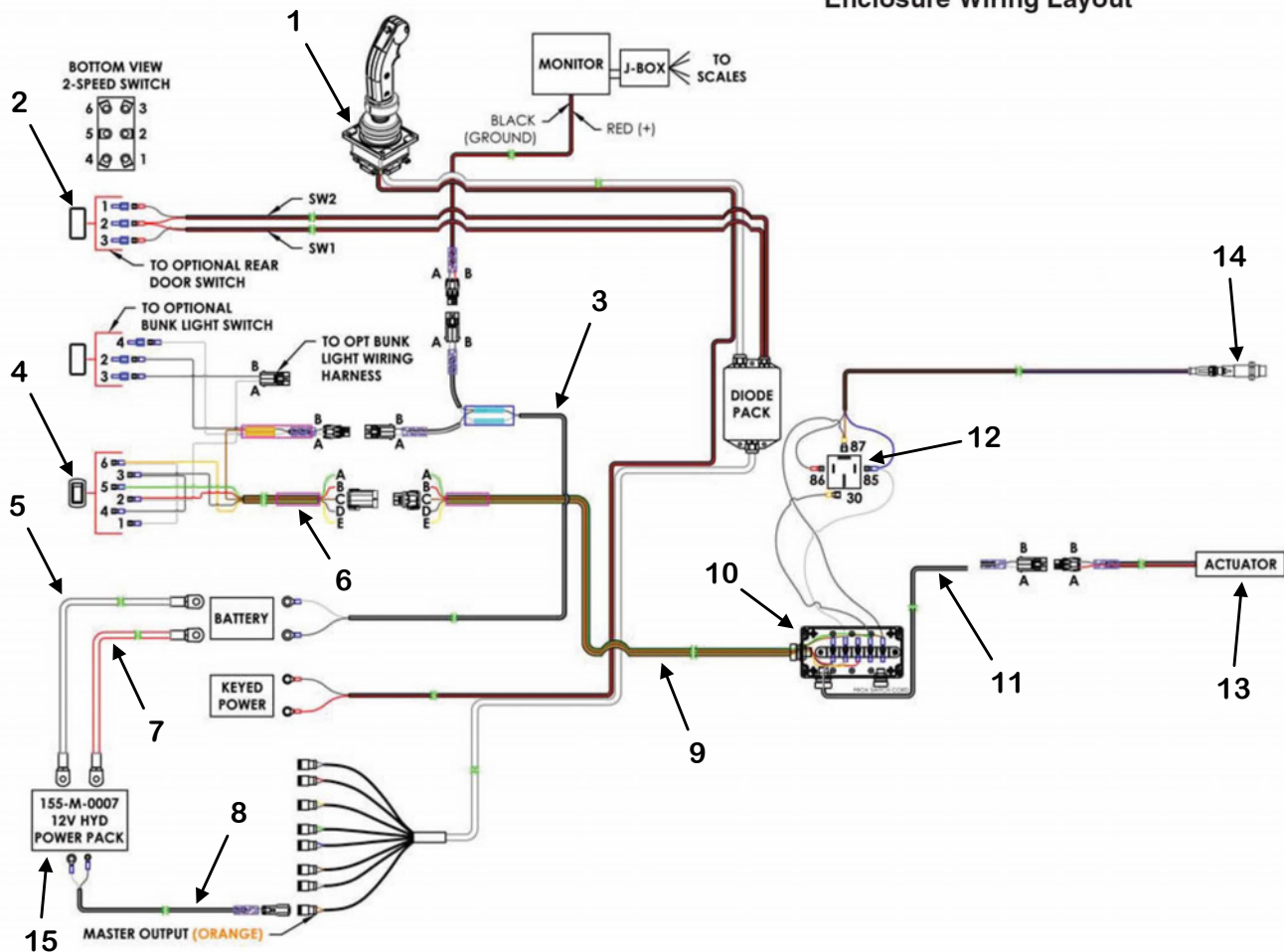
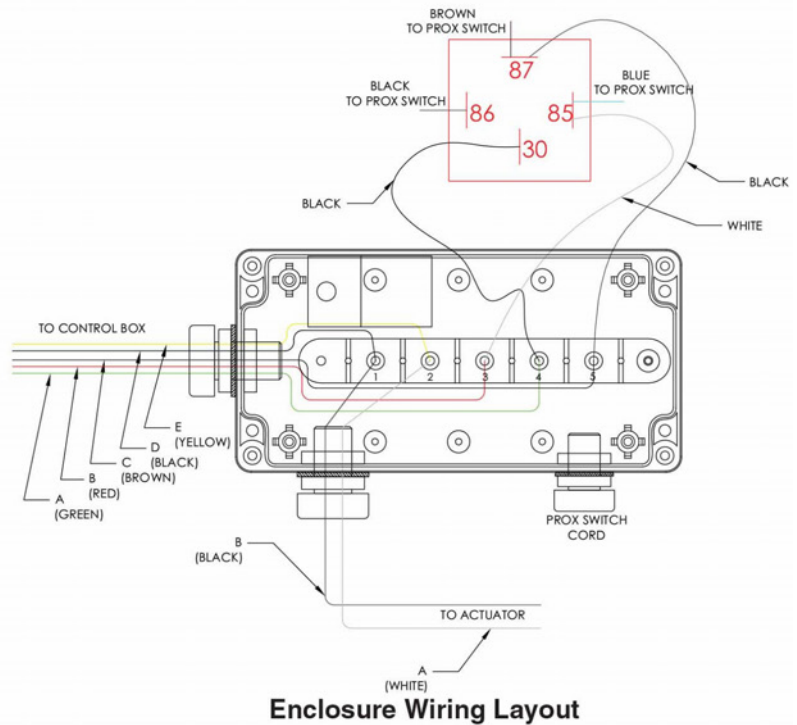


FM-TR-M-0002-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0400-3	1	Joystick Power & Rear Door Harness Assembly	585/700
	M11-7-0010-7-2	1	Joystick Only	585/700
	M11-7-0010-7-3	1	Harness Only	585/700
	M11-7-0010-7-1	1	Joystick Switch Replacement	585/700
2	156-M-0001	2	Mounting Panel Plug	585/700
3	56-0400-2	1	12V Power Cord Assembly	585/700
4	156-M-0006	1	Rocker Switch	585/700
5	56-0406	1	12V Hydraulic Pump Black Battery Cable Assembly	585/700
6	56-0400-1	1	2-Speed & Optional Bunk Light Wiring Harness	585/700
7	56-0407	1	12V Hydraulic Pump Red Battery Cable Assembly	585/700
8	56-0405	1	12V Hydraulic Pump Harness Assembly	585/700
9	56-0205	1	Junction Power Cord Assembly	585/700
10	56-0215	1	Terminal Enclosure Assembly	585/700
11	56-0404	1	2-Speed Actuator Power Cord Assembly	585/700
12	56-0200-3	1	Normally Open Relay	585/700
13	See Page 100	1	12V Linear Actuator With Plug	585/700
14	56-0202	1	Proximity Switch Assembly	585/700
15	See Page 70	1	12V DC Hydraulic Power Pack	585/700

STOP & SHIFT ELECTRICAL SYSTEM (LATER MODELS)

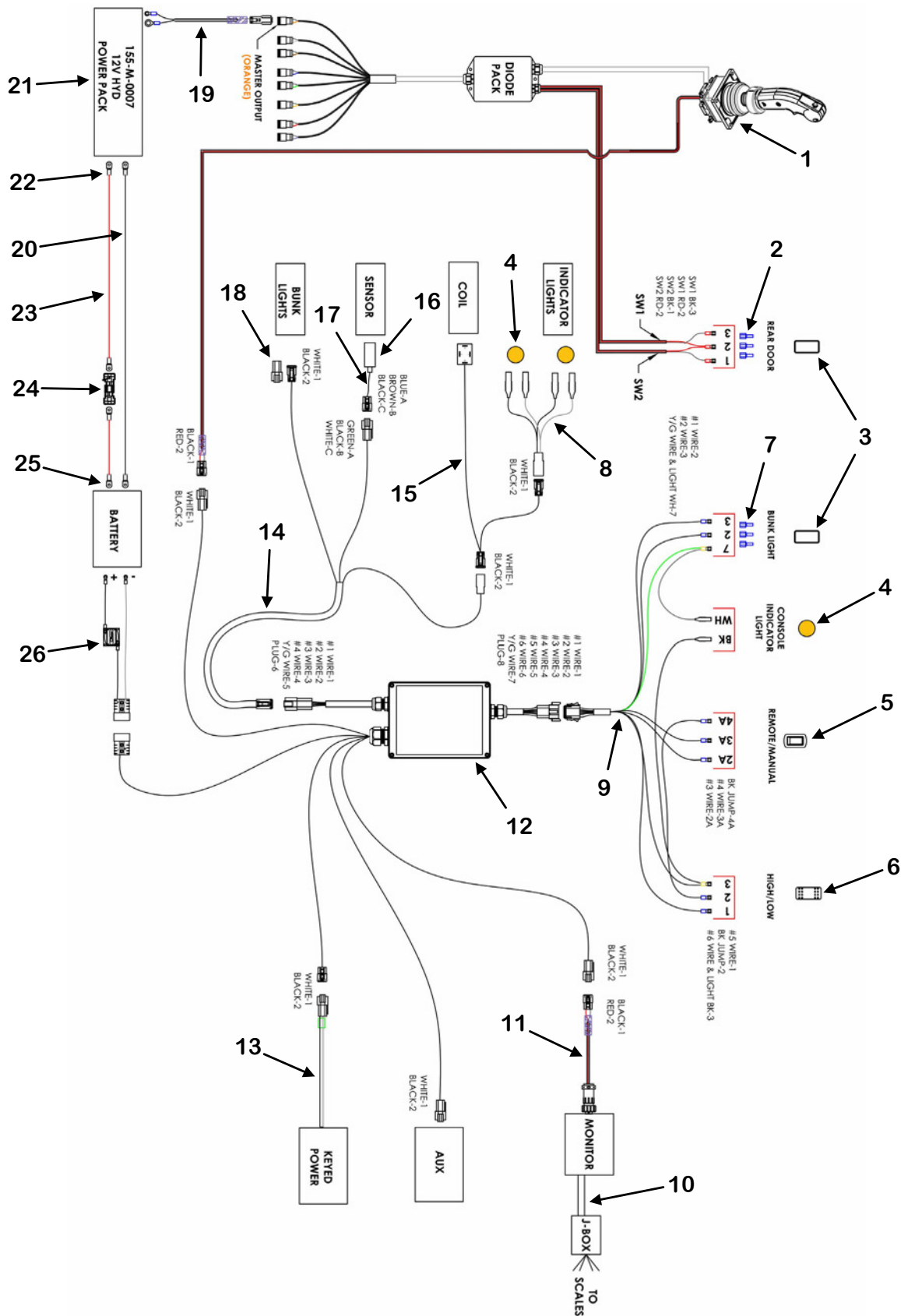
(SN 18VM(0585235, 0700212) & Later)



FM-TR-M-0003-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0400-3	1	Joystick Power & Rear Door Harness Assembly	585/700
	M11-7-0010-7-2	1	Joystick Only	585/700
	M11-7-0010-7-3	1	Harness Only	585/700
	M11-7-0010-7-1	1	Joystick Switch Replacement	585/700
2	156-M-0001	2	Mounting Panel Plug	585/700
3	56-0400-2	1	12V Power Cord Assembly	585/700
4	156-M-0006	1	Rocker Switch	585/700
5	56-0406	1	12V Hydraulic Pump Black Battery Cable Assembly	585/700
6	56-0400-1	1	2-Speed & Optional Bunk Light Wiring Harness	585/700
7	56-0407	1	12V Hydraulic Pump Red Battery Cable Assembly	585/700
8	56-0405	1	12V Hydraulic Pump Harness Assembly	585/700
9	56-0205	1	Junction Power Cord Assembly	585/700
10	56-0281	1	Terminal Enclosure Assembly	585/700
11	56-0404	1	2-Speed Actuator Power Cord Assembly	585/700
12	56-0200-3	1	Normally Open Relay	585/700
13	See Page 100	1	12V Linear Actuator With Plug	585/700
14	56-0202	1	Proximity Switch Assembly	585/700
15	See Page 70	1	12V DC Hydraulic Power Pack	585/700

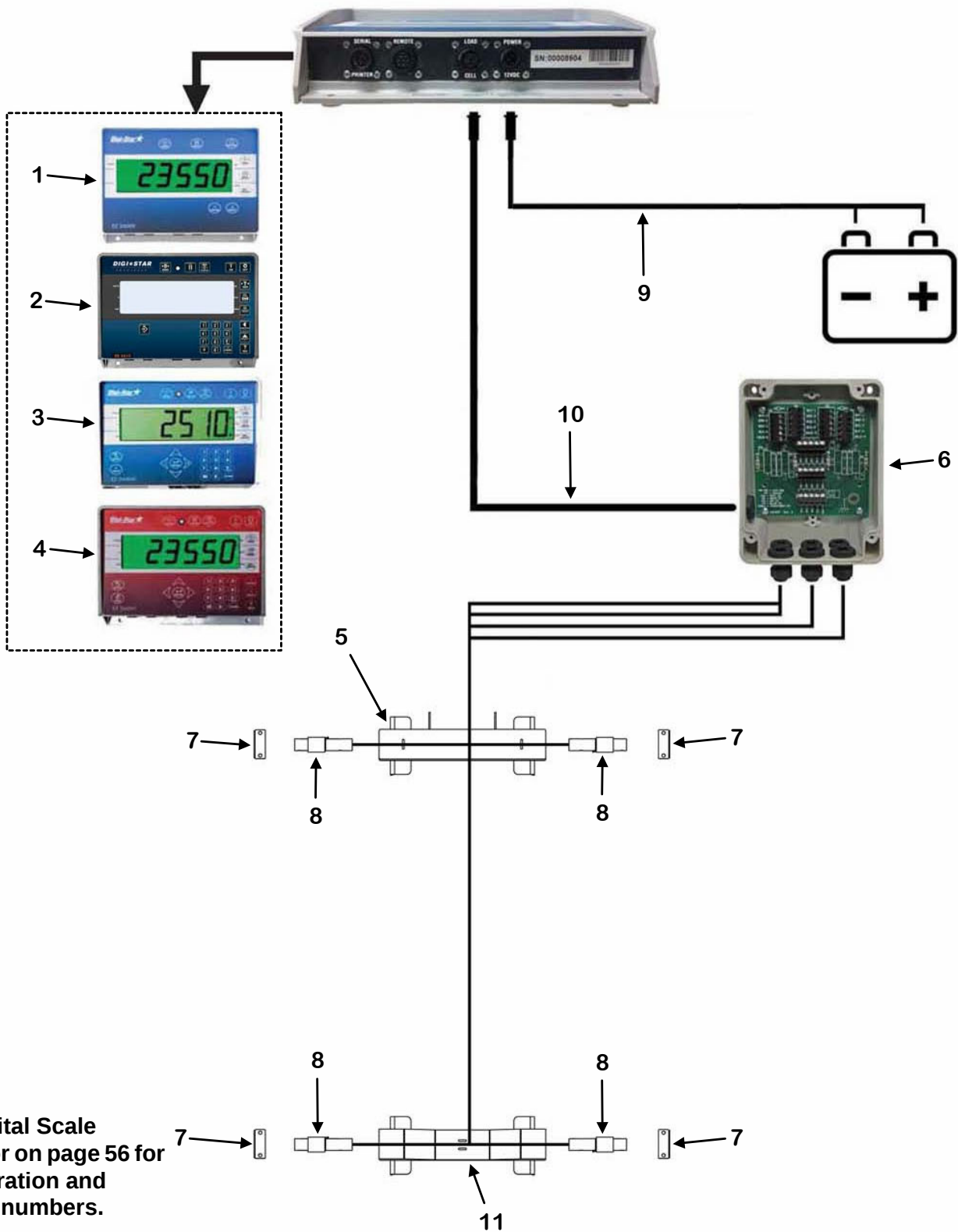
POWER SHIFT ELECTRICAL SYSTEM



FM-TR-M-0004-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0508	1	Joystick Assembly	585/700
2	56-0157	3	Blue Male Spade (No Rear Door)	585/700
3	156-M-0001	2	Panel Plug	585/700
4	56-0111-BT	3	Amber Light	585/700
5	156-M-0006	1	DPDT On/On Switch	585/700
6	156-M-0002	1	SPST Switch On/Off/On	585/700
	156-M-0003	1	Black Toggle	585/700
7	56-0157	3	Blue Male Spade (No Bunk Lights)	585/700
8	56-0507	1	Indicator Light Harness	585/700
9	56-0503	1	Console Harness	585/700
10	58-0029	1	J-Box To Monitor Cord	585/700
11	56-0509	1	Monitor Cord Assembly	585/700
	56-0510	1	Monitor Cord Assembly W/ RC (Optional)	585/700
12	56-0500	1	Junction Box	585/700
13	56-0511	1	Keyed Power Harness	585/700
14	56-0504	1	Chassis Harness	585/700
15	56-0506	1	Coil Harness	585/700
16	56-0200-5-PS	1	Programmed Sensor	585/700
17	56-0505	1	Sensor Harness	585/700
18	156-DT06-2S-CAP	1	2-Pin Deutsch Cap (No Bunk Lights)	585/700
19	56-0405	1	12-Volt Hydraulic Pump Harness Assembly	585/700
20	156-4/0-1	AR	4/0 GA Black Wire	585/700
21	See Page 70	1	12V DC Hydraulic Power Pack	585/700
22	156-RT-4/0-313-1	4	4/0 GA Lug 5/16" Stud	585/700
23	156-4/0-2	AR	4/0 GA Red Wire	585/700
24	56-0480	1	Fuse Holder	585/700
	56-0480-1	2	400 AMP Fuse	585/700
25	156-RT-4/0-375-1	2	4/0 GA Lug 3/8" Stud	585/700
26	56-0460	1	Battery Harness	585/700

WEIGH BAR WIRING DIAGRAM

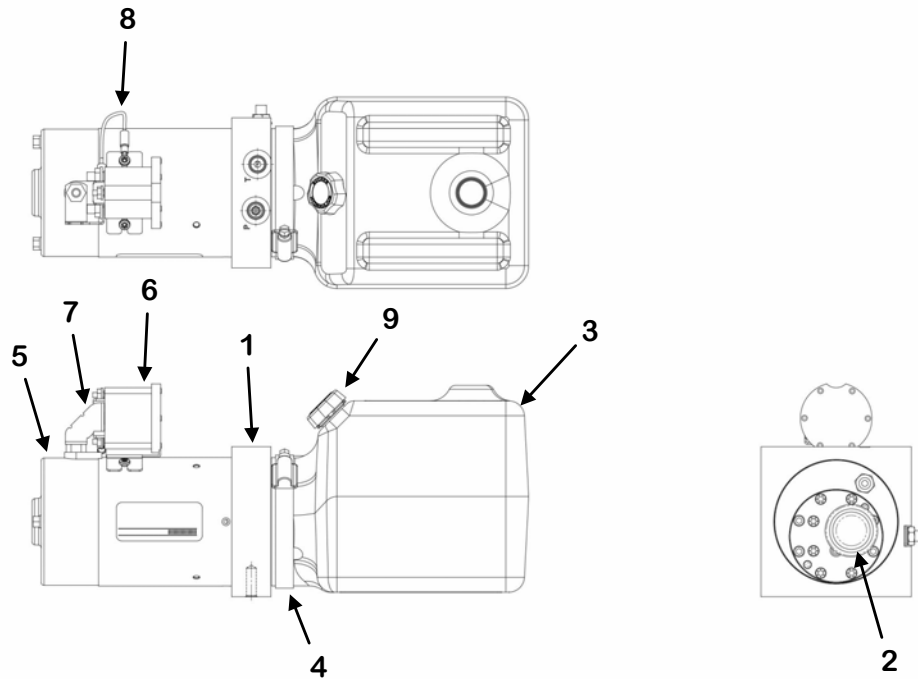


See Digital Scale Indicator on page 56 for configuration and custom numbers.

FM-TR-H-0002-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	58-0002-407120	1	EZ2500V Scale Indicator Monitor With Serial Port	585/700
	58-0002-407094	1	EZ2500V Scale Indicator Monitor	585/700
	58-0002-404516	1	EZ2400V Scale Indicator Monitor	585/700
2	58-0002-281023	1	EZ2810 Scale Indicator Monitor	585/700
3	58-0002-408944	1	EZ3400V Scale Indicator Monitor	585/700
4	58-0002-406552	1	EZ3600V Scale Indicator Monitor	585/700
5	M9-1-5-0005	1	Front Mixer Mount	585/700
	M9-1-12-0002	2	Truck Frame Mount	585/700
6	58-0020	1	6-Point Mobil J-Box	585/700
	58-0008	1	6-Point Mobil J-Box With Monitor Cable	585/700
7	M9-1-8-0001	4	DB Bar Mount	585/700
	881-7510-2.5Z	8	3/4"-10 x 2-1/2" Bolt	585/700
8	58-0034-WT	4	2.875" x 14" Load Cell	585/700
9	58-0043	1	10' Power Cord	585/700
10	58-0029	1	Junction Box To Monitor Cable 30'	585/700
11	M9-1-5-0001	1	Rear Mixer Mount	585/700
	M9-1-12-0002	2	Truck Frame Mount	585/700
NS	58-0002-410002	1	Pack RPM Sensor (No Extension Cable)	585/700
NS	58-0002-408845	1	RPM Y-Alarm Cord	585/700
NS	58-0002-SPC-1	1	8' Printer/Computer Connector Lead	585/700
NS	58-0002-SPC-3	1	24' Printer/Computer Connector Lead	585/700
NS	58-0038-2-1	1	Sensor RPM With Connector 6'	585/700

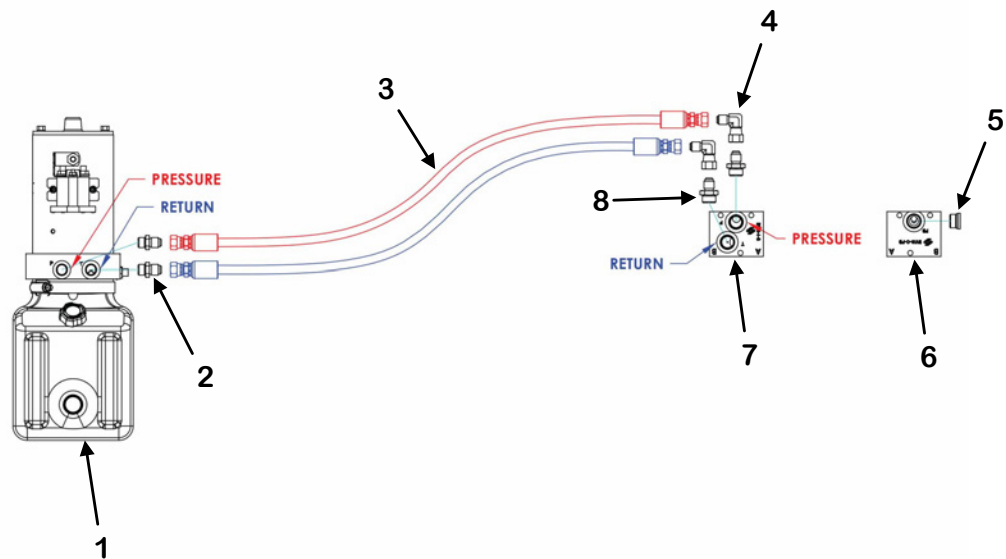
HYDRAULIC POWER PACK



FM-TR-M-0005-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	155-M-0007	1	12V DC Hydraulic Power Pack
1	155-M-0007-3	1	Base Assembly
2	155-M-0007-5	1	Filter Screen
3	155-M-0007-1	1	Plastic Reservoir Tank
4	155-M-0007-4	1	Hose Clamp
5	155-M-0007-2	1	12V DC Motor
6	155-M-0007-6	1	12V DC Solenoid Switch
7	155-M-0007-7	1	Motor-Solenoid Connecting Strap
8	155-M-0007-8	1	Control Wire Assembly
9	155-M-0007-9	1	Breather/Filler Plug

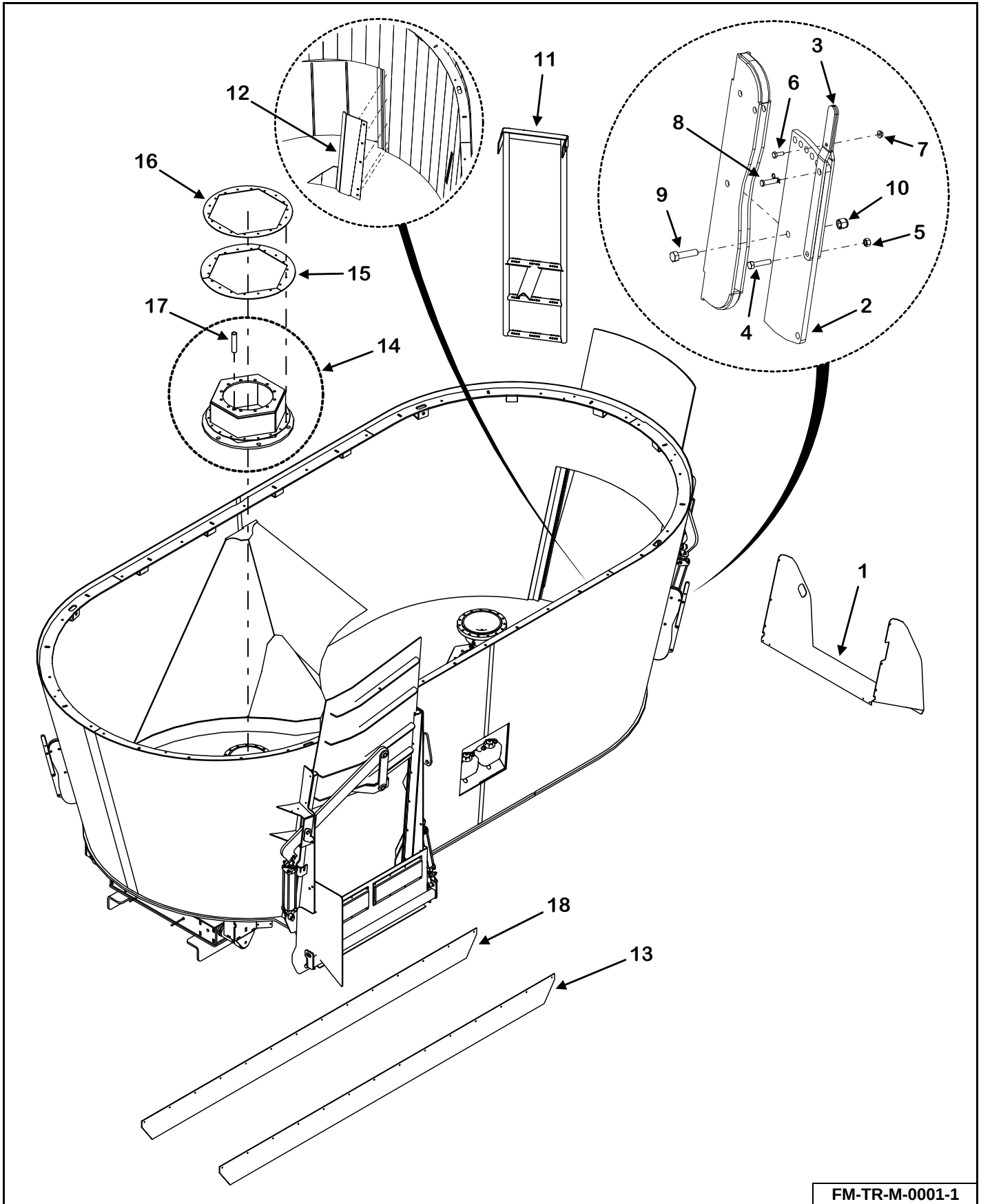
HYDRAULIC POWER PACK TO VALVE BANK



FM-TR-M-0006-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 70	1	12V DC Hydraulic Power Pack
2	155-6400-06-06	2	Straight Connector
3	155-04R17-19-1	2	1/4" x 19" Hose Assembly
4	155-6500-06-06	2	90 Degree Connector
5	955-0009	1	Hollow Hex Plug
6	155-M-0006	1	Standard Outlet Valve Bank
7	155-M-0005	1	Standard Inlet Valve Bank
8	155-6400-6-8	2	Straight Adapter

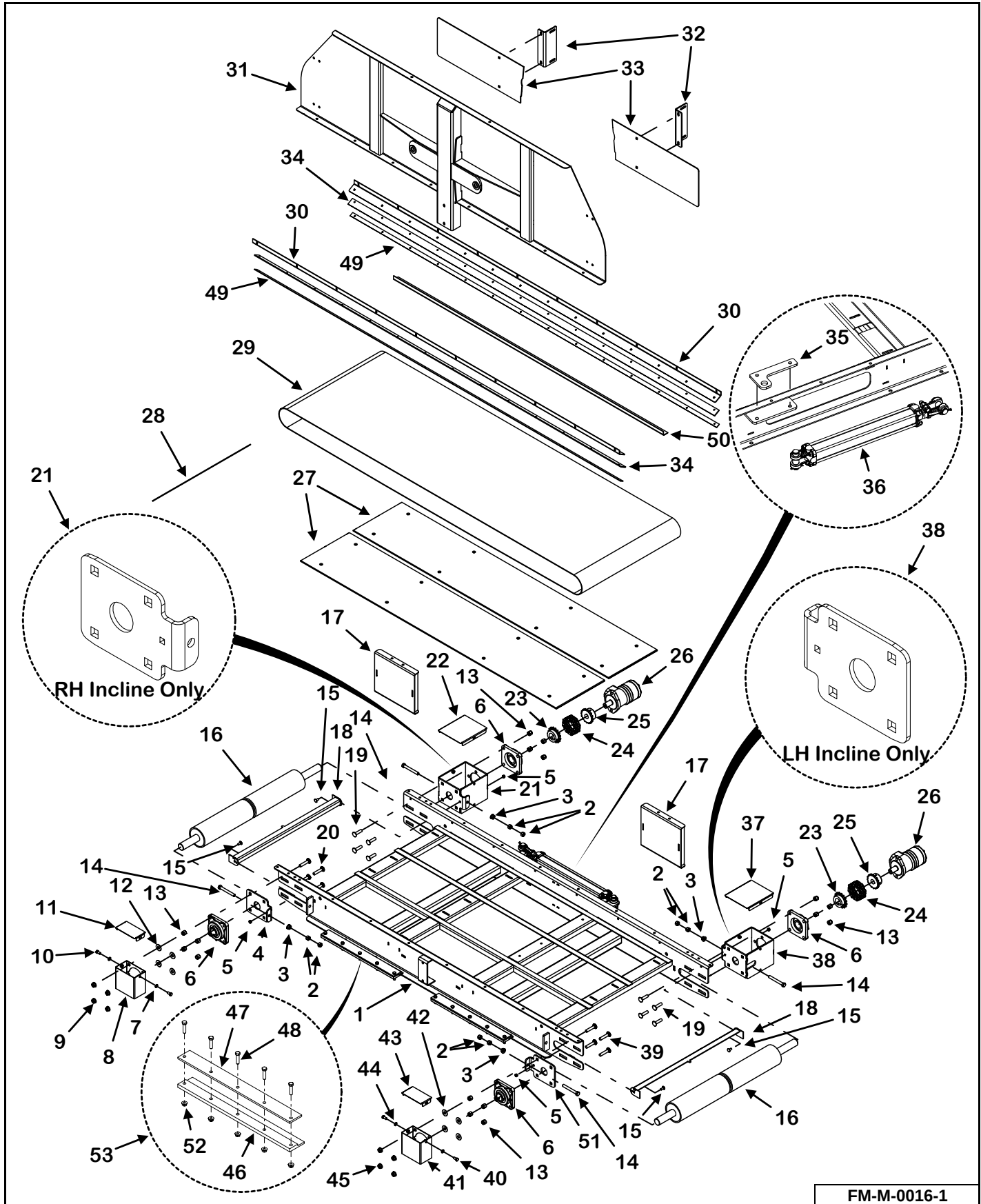
MIXER



FM-TR-M-0001-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-5-0072	1	Rear Door Chute Extension	585/700
2	M7-1-8-0002	2	Hay Stop	585/700
3	M7-1-8-0003	4	Hay Stop Handle	585/700
4	851-3816-1.75Z	2	3/8"-16 x 1-3/4" Machine Bolt	585/700
5	815-3816-Z	2	3/8"-16 Nylon Insert Lock Nut	585/700
6	851-2520-.75Z	2	1/4"-20 x 3/4" Machine Bolt	585/700
7	810-2520-Z	2	1/4" Spin Lock Nut	585/700
8	32-0042	2	1/2" x 1-1/2" Clevis Pin With Clip	585/700
9	851-5013-2Z	2	1/2"-13 x 2" Machine Bolt	585/700
10	815-5013-Z	2	1/2"-13 Nylon Lock Nut	585/700
11	M10-1-5-0006	1	Ladder Weldment	585
	M10-1-7-0004	1	Ladder Weldment	700
12	M2-1-7-0007	1	Front/Rear Door Deflector Prior to SN 18VM(0585208, 0700203)	585/700
	M6-1-7-0016	1	Front/Rear Door Deflector SN 18VM(0585208, 0700203) & Later	585/700
	803-3816-1.25Z	5	3/8"-16 x 1-1/4" Flat Head Socket Cap Screw	585/700
	815-3816-Z	5	3/8"-16 Nylon Insert Lock Nut	585/700
13	49-0262	1	Left Belt Skirting	585/700
14	M2-1-5-0006	2	Stop & Shift Planetary Mount Weldment	585/700
	M2-1-7-0018	2	Power Shift Planetary Mount Weldment	585/700
15	M2-1-5-0011-2	6	Auger Seal Belting	585/700
	VAM-ASK-KIT	1	Complete Auger Seal Installation Kit With Weld On Seal Plate (Optional)	585/700
16	M2-1-5-0011-3	2	Auger Seal Cover	585/700
	851-3816-1Z	36	3/8"-16 x 1" Machine Bolt	585/700
	815-3816-Z	36	3/8"-16 Nylon Lock Nut	585/700
	VAM-ASK-KIT	1	Complete Auger Seal Installation Kit With Weld On Seal Plate (Optional)	585/700
17	M2-1-7-0003-3	2	Auger Mount Pipe (Welded On)	585/700
18	49-0262	1	Left Belt Skirting	585/700

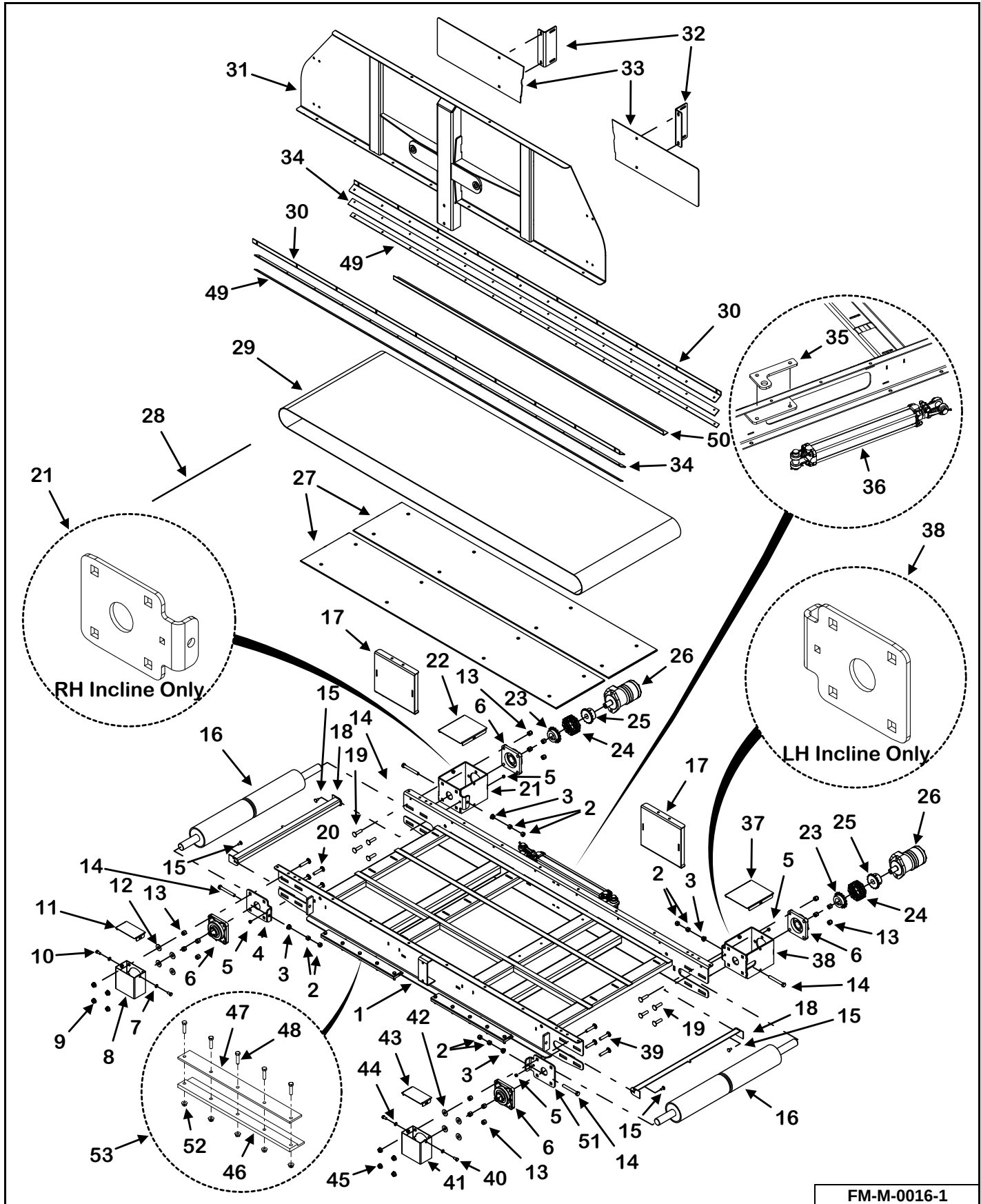
FRONT FLAT & INCLINE BASE BELT CONVEYOR



FM-M-0016-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-5-0060-1	1	Incline Base Conveyor Weldment	All Models
2	813-5013-Z	8	1/2"-13 Nut	All Models
3	810-5013-Z	4	1/2" Spin Lock Nut	All Models
4	M3-1-5-0044-1	2	Front Conveyor Bearing Mount	All Models
	See Page 136	1	Bearing Mount Weldment (RH Power Magnet)	All Models
5	814-3118-Z	4	5/16"-18 Indented Lock Nut	All Models
6	14-0070	4	1-1/2" 4-Bolt Bearing Narrow Inner Race	All Models
7	822-0038-Z	2	3/8" Split Lock Washer (No Incline, LH Incline)	All Models
8	M3-1-8-0047	1	Shaft Cover Weldment (No Incline, LH Incline)	All Models
9	810-5013-Z	4	1/2" Spin Lock Nut (No Incline, LH Incline)	All Models
10	851-3816-.75Z	2	3/8"-16 x 3/4" Machine Bolt (No Incline, LH Incline)	All Models
11	M3-1-8-0048	1	Shaft Cover Plate (No Incline, LH Incline)	All Models
12	805-0050-Z	4	1/2" Flat Washer (No Incline, LH Incline)	All Models
13	815-5013-Z	16	1/2"-13 Nylon Lock Nut	All Models
14	830-5013-4Z	4	1/2"-13 x 4" Tap Bolt Full Threaded	All Models
15	850-3118-.75Z	4	5/16"-18 x 3/4" Carriage Bolt	All Models
16	23-0269	2	Drive Pulley Urethane Lagged	All Models
17	M3-1-7-0051	2	Conveyor Shield Weldment (Front Flat Sliding Conveyor Only)	All Models
18	M3-1-10-0023	2	Conveyor Pulley Scraper	All Models
19	850-5013-1.75Z	8	1/2"-13 x 1-3/4" Carriage Bolt	All Models
20	850-5013-2.25Z	4	1/2"-13 x 2-1/4" Carriage Bolt (No Incline, LH Incline)	All Models
	850-5013-1.75Z	4	1/2"-13 x 1-3/4" Carriage Bolt (RH Incline)	All Models
21	M3-1-8-0046	1	Front Conveyor Motor Mount Weldment (No Incline, LH Incline)	All Models
	M3-1-5-0044-1	1	Front Conveyor Bearing Mount (RH Incline)	All Models
	See Page 136	1	Motor Mount Weldment (RH Power Magnet)	All Models
22	M3-1-8-0045	1	Chain Coupler Cover Plate (No Incline, LH Incline)	All Models
	851-3816-.75Z	2	3/8"-16 x 3/4" Machine Bolt (No Incline, LH Incline)	All Models
	822-0038-Z	2	3/8" Split Lock Washer (No Incline, LH Incline)	All Models

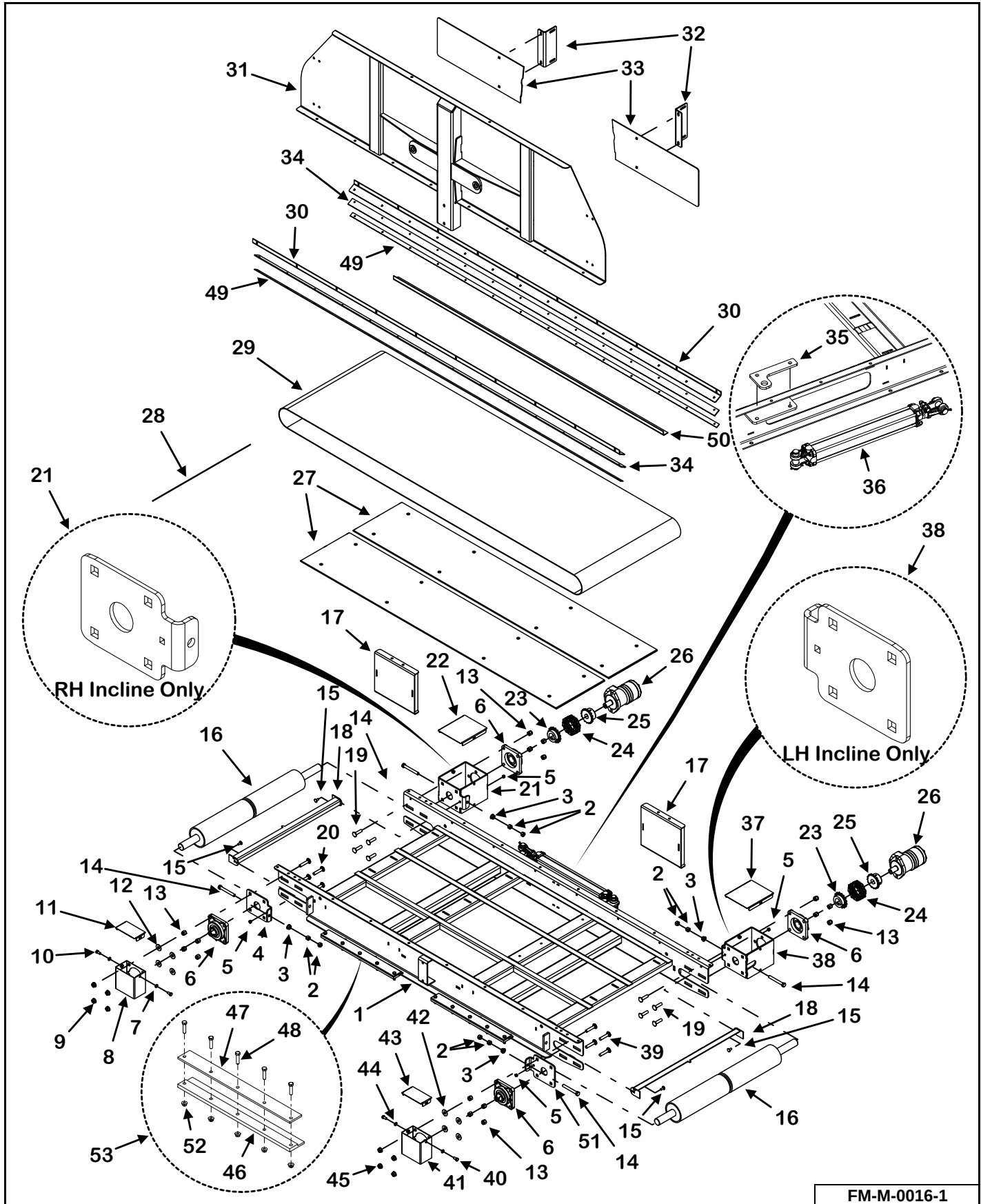
FRONT FLAT & INCLINE BASE BELT CONVEYOR (CONT'D)



FM-M-0016-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
23	110-50B16-1.50-1	2	Coupler Sprocket	All Models
	35-0006	2	Key	All Models
24	37-0013-2	2	Coupler Chain	All Models
25	37-0013-1	2	Coupler Sprocket	All Models
26	See Page	2	12.1 Cubic Inch 2-Bolt Motor	All Models
	135-2525-1.25-1	2	Key	All Models
27	M3-1-5-0060-3	2	Front Belt Discharge Conveyor Floor	All Models
	803-3118-1Z	16	5/16"-18 x 1" Flat Socket Head Cap Screw	All Models
	805-0031-Z	16	5/16" Flat Washer	All Models
	815-3118-Z	16	5/16"-18 Nylon Insert Lock Nut	All Models
28	49-0156-6-AS	1	Conveyor Belt Lacing Pin Kit	All Models
29	49-0247-MB	1	Front Conveyor Mini Bite Belt	All Models
30	VAM-FCS	1	Skirt Seal Kit (SN 19VM0585201 Only)	All Models
	M3-1-5-0060-6	2	Front Conveyor Skirt Bracket (Excluding SN 19VM0585201)	All Models
31	M3-1-5-0061	1	Base Conveyor Front Panel Weldment	All Models
32	M3-1-7-0021	2	Front Conveyor Shield Mounting Bracket	All Models
33	M3-1-7-0024	2	Front Conveyor Shield	All Models
34	VAM-FCS	1	Skirt Seal Kit (SN 19VM0585201 Only)	All Models
	49-0339	2	Base Conveyor Skirting (Excluding SN 19VM0585201)	All Models
35	M3-1-8-0011	1	Front Conveyor Cylinder Mount (Front Flat Sliding Conveyor Only) Prior to SN 20VM(0585201, 0700201)	All Models
	M3-1-8-0057	1	Front Conveyor Cylinder Mount (Front Flat Sliding Conveyor Only) SN 20VM(0585201, 0700201) & Later	All Models
	851-5013-1.75Z	2	1/2"-13 x 1-3/4" Machine Bolt (Front Flat Sliding Conveyor Only)	All Models
	810-5013-Z	2	1/2" Spin Lock Nut (Front Flat Sliding Conveyor Only)	All Models
36	See Page	1	Front Flat Belt Conveyor Hydraulic Schematic	All Models
37	M3-1-8-0045	1	Chain Coupler Cover Plate (No Incline, RH Incline)	All Models
	851-3816-.75Z	2	3/8"-16 x 3/4" Machine Bolt (No Incline, RH Incline)	All Models
	822-0038-Z	2	3/8" Split Lock Washer (No Incline, RH Incline)	All Models
38	M3-1-8-0046	1	Front Conveyor Motor Mount Weldment (No Incline, RH Incline)	All Models
	M3-1-5-0044-1	1	Front Conveyor Bearing Mount (LH Incline)	All Models
	See Page 136	1	Motor Mount Weldment (LH Power Magnet)	All Models

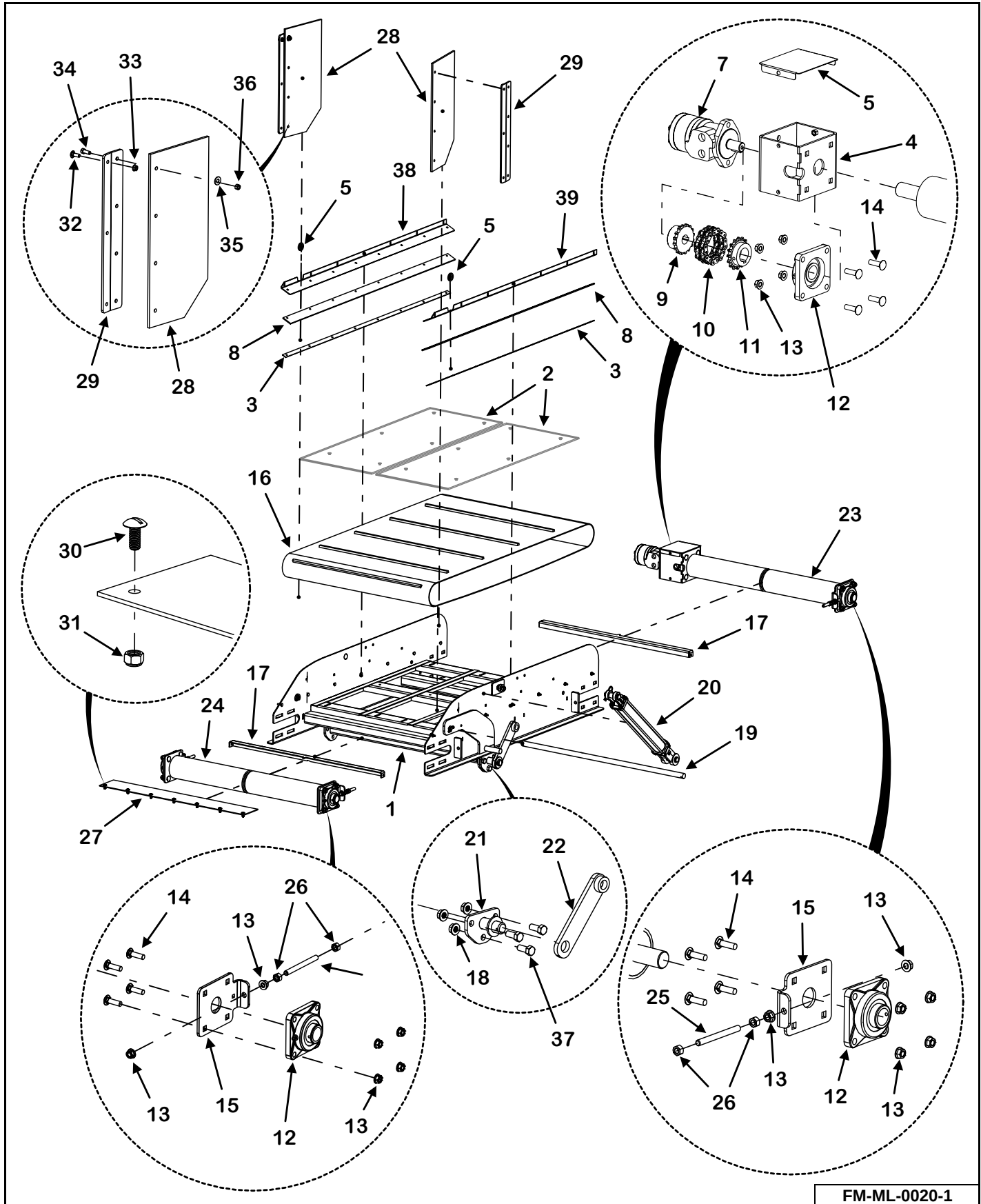
FRONT FLAT & INCLINE BASE BELT CONVEYOR (CONT'D)



FM-M-0016-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
39	850-5013-2.25Z	4	1/2"-13 x 2-1/4" Carriage Bolt (No Incline, RH Incline)	All Models
	850-5013-1.75Z	4	1/2"-13 x 1-3/4" Carriage Bolt (LH Incline)	All Models
40	851-3816-.75Z	2	3/8"-16 x 3/4" Machine Bolt (No Incline, RH Incline)	All Models
41	M3-1-8-0047	1	Shaft Cover Weldment (No Incline, RH Incline)	All Models
42	805-0050-Z	4	1/2" Flat Washer (No Incline, RH Incline)	All Models
43	M3-1-8-0048	1	Shaft Cover Plate (No Incline, RH Incline)	All Models
44	822-0038-Z	2	3/8" Split Lock Washer (No Incline, RH Incline)	All Models
45	810-5013-Z	4	1/2" Spin Lock Nut (No Incline, RH Incline)	All Models
46	VAM-CSK	1	Conveyor Slide Update Kit (Flat Sliding Conveyor Only) Prior to SN 20VM(0585211, 0700204)	All Models
	M3-1-7-0056	4	Conveyor Bottom Slide (Flat Sliding Conveyor Only) SN 20VM(0585211, 0700204) & Later	All Models
47	VAM-CSK	1	Conveyor Slide Update Kit (Flat Sliding Conveyor Only) Prior to SN 20VM(0585211, 0700204)	All Models
	M3-1-7-0057	4	Conveyor Slide Cap (Flat Sliding Conveyor Only) SN 20VM(0585211, 0700204) & Later	All Models
48	851-3816-1.5Z	20	3/8"-16 x 1-1/2" Hex Cap Screw	All Models
49	VAM-FCS	1	Skirt Seal Kit (SN 19VM0585201 Only)	All Models
	M3-1-5-0060-7	2	Front Conveyor Skirt Backer (Excluding SN 19VM0585201)	All Models
50	M3-1-5-0060-2	1	Floor Seal	All Models
51	M3-1-5-0044-1	1	Front Conveyor Bearing Mount	All Models
	See Page 136	1	Bearing Mount Weldment (LH Power Magnet)	All Models
52	810-3816-Z	20	3/8"-16 Spin Lock Nut	All Models
53	VAM-CSK	1	Conveyor Slide Update Kit (Flat Sliding Conveyor Only) Prior to SN 20VM(0585211, 0700204)	All Models
	M3-1-7-0056-AS	4	Conveyor Bottom Slide With Cap & Hardware (Flat Sliding Conveyor Only) SN 20VM(0585211, 0700204)& Later	All Models

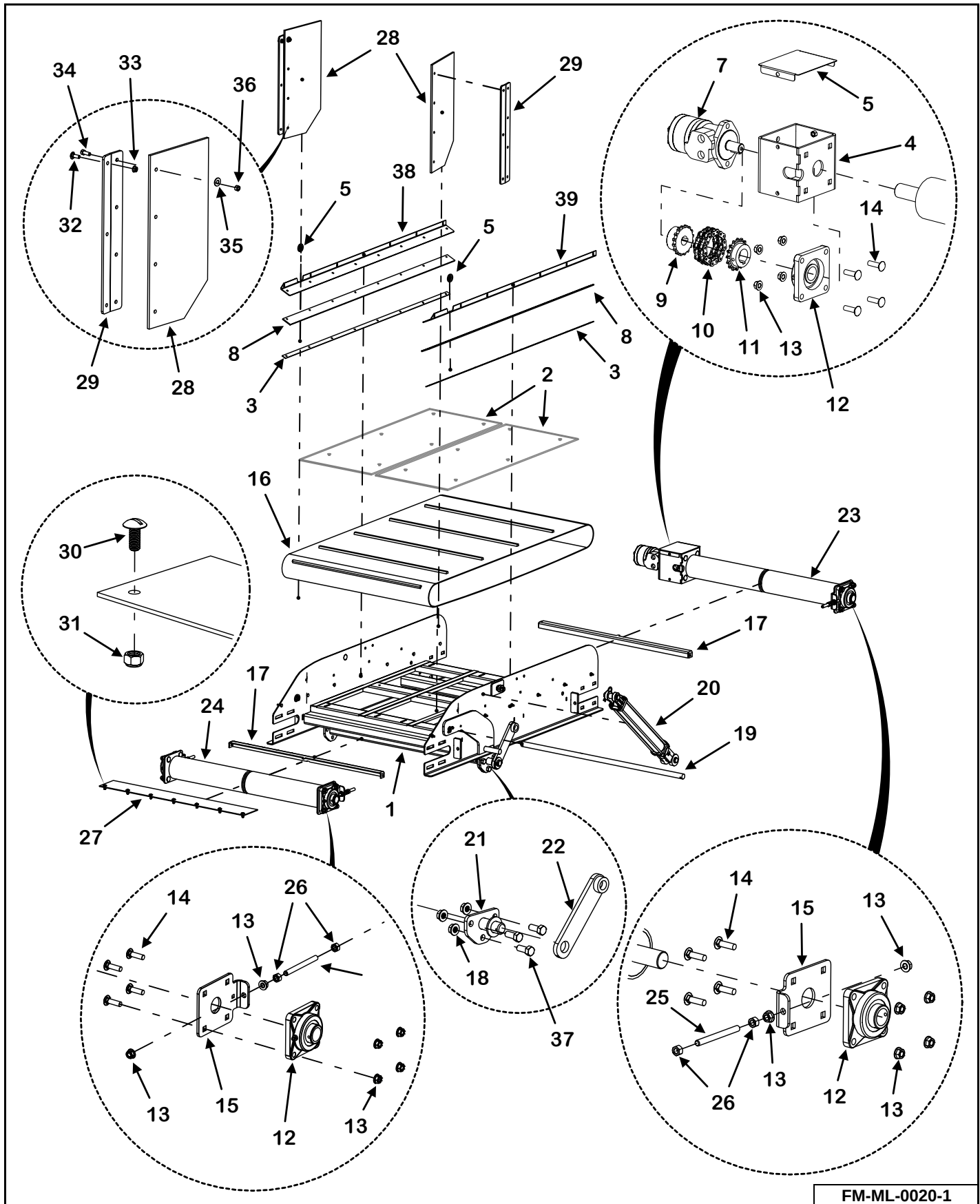
SIDE DISCHARGE BELT CONVEYOR



FM-ML-0020-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTAM-DBI-42-48-S	1	42" x 48" Left Side Belt Conveyor Complete	All Models
1	M3-1-7-0044-1	1	42" x 24" Belt Conveyor Frame Weldment	All Models
	M3-1-7-0035-1	1	42" x 36" Belt Conveyor Frame Weldment	All Models
	M3-1-7-0041-1	1	42" x 48" Belt Conveyor Frame Weldment	All Models
	M3-1-7-0039-1	1	42" x 60" Belt Conveyor Frame Weldment	All Models
2	M3-1-7-0046	2	24" Side Belt Discharge Conveyor Floor	All Models
	M3-1-7-0036	2	36" Side Belt Discharge Conveyor Floor	All Models
	M3-1-7-0042	2	48" Side Belt Discharge Conveyor Floor	All Models
	M3-1-7-0040	2	60" Side Belt Discharge Conveyor Floor	All Models
3	VA-SCS-4224	1	24" Incline Skirt Seal Kit Prior to SN 19VM(0585202, 0815202, 1015204, 1215209)	585
	M3-1-7-0044-7	2	24" Incline Skirt Backer SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models
	VA-SCS-36	1	36" Incline Skirt Seal Kit Prior to SN 19VM(0585201, 0815201, 1015204, 1215209)	585
	M3-1-4-0035-4	2	36" Incline Skirt Backer SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models
	VA-SCS-48	1	48" Incline Skirt Seal Kit Prior to SN 19VM(0585201, 0815201, 1015204, 1215209)	585
	M3-1-4-0031-7	2	48" Incline Skirt Backer SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models
	VA-SCS-60	1	60" Incline Skirt Seal Kit Prior to SN 19VM(0585201, 0815201, 1015204, 1215209)	585
	M3-1-4-0051-7	2	60" Incline Skirt Backer SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models
4	M3-1-5-0049	1	Front Conveyor Motor Bracket	All Models
5	M3-1-7-0035-1-5	2	Pivot Spacer Prior to SN 19VM(0585201, 0815201, 1015204, 1215209)	585
	M3-1-4-0057-1-4	2	Pivot Spacer SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models

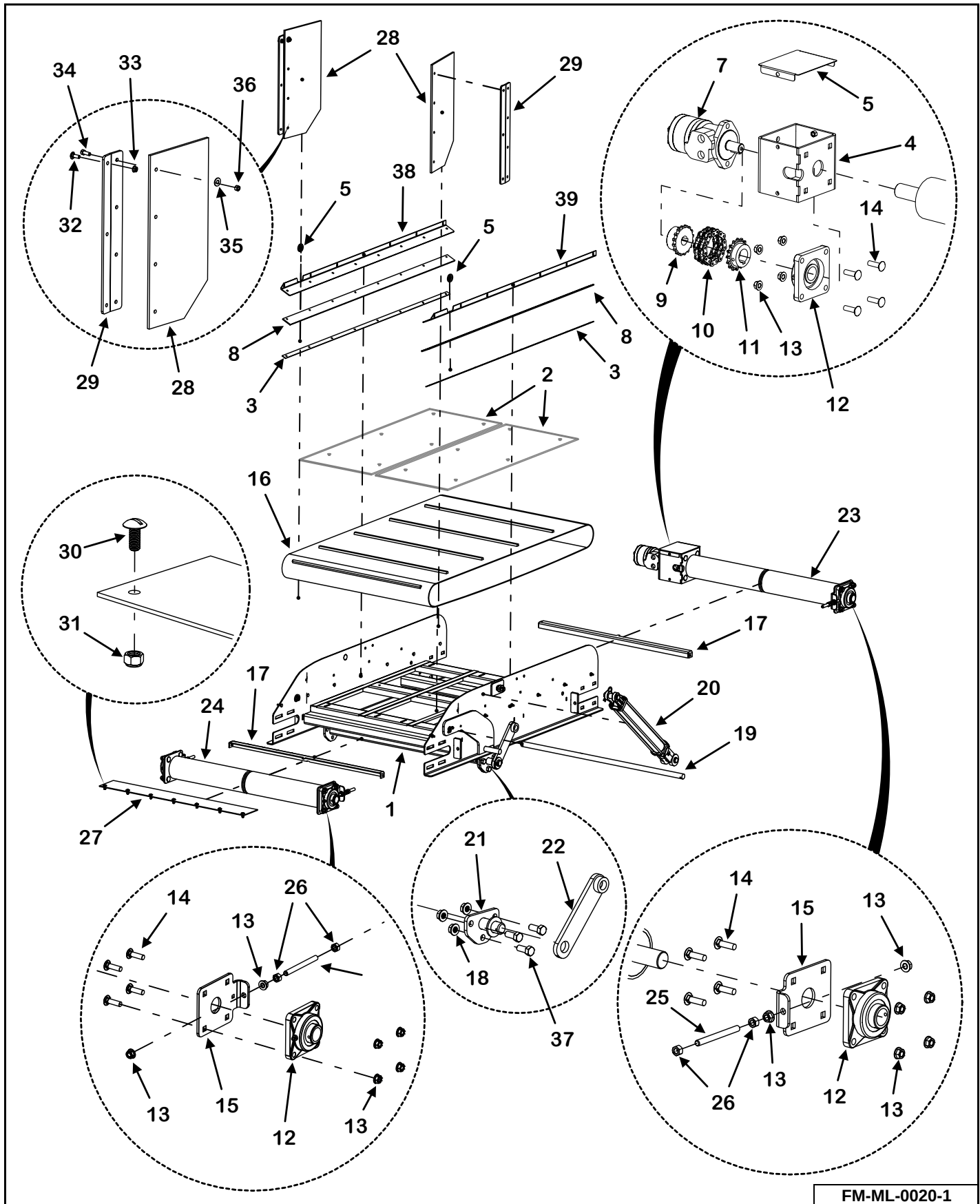
SIDE DISCHARGE BELT CONVEYOR (CONT'D)



FM-ML-0020-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
6	M3-1-8-0006	1	Coupler Cover Plate	All Models
7	See Page 86	1	Hydraulic Motor	All Models
8	VA-SCS-4224	1	24" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	49-0351	2	24" Incline Side Skirting (SN 19VM0585202 & Later)	All Models
	VA-SCS-36	1	36" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	49-0347	2	36" Incline Side Skirting (SN 19VM0585202 & Later)	All Models
	VA-SCS-48	1	48" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	49-0345	2	48" Incline Side Skirting (SN 19VM0585202 & Later)	All Models
	VA-SCS-60	1	60" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	49-0343	2	60" Incline Side Skirting SN 19VM(0585202, 0815202, 1015204, 1215209) & Later	All Models
9	37-0013-1	1	Unit Coupler, 1" Bore 1/4" Keyway	All Models
10	37-0013-2	1	Unit Coupler Chain, #50 16 Double With Connector	All Models
11	110-50B16-1.50-1	1	Chain Coupler Sprocket 1.5 Bore x 0.375" Keyway	All Models
	35-0006	1	3/8" x 3/8" x 1-1/4" Key	All Models
12	14-0070	4	1-1/2" - 4 Bolt Bearing	All Models
13	810-5013-Z	22	1/2" Spin Lock Nut (42" x 36" Belt Conveyor)	All Models
	810-5013-Z	24	1/2" Spin Lock Nut (42" x 24", 42" x 48", 42" x 60" Belt Conveyor)	All Models
14	850-5013-1.75Z	16	1/2"-13 x 1-3/4" Carriage Bolt, Grade 5	All Models
15	M3-1-8-0002	3	Front Conveyor Bearing Mount	All Models
16	49-0219	1	41.38" x 73" Belt, (42" x 24" Belt Conveyor).	All Models
	49-0193-MB	1	41.38" x 93" Belt, (42" x 36" Belt Conveyor)	All Models
	49-0199	1	41.38" x 117" Belt, (42" x 48" Belt Conveyor)	All Models
	49-0198-MB	1	41.38" x 141" Belt, (42" x 60" Conveyor)	All Models
	49-0193-3-AS	1	42" Conveyor Steel Belt Lacing Pin	All Models
17	M3-1-7-0052	2	Conveyor Idler Roll Scraper	All Models
	850-3118-.75Z	4	5/16"-18 x 3/4" Carriage Bolt	All Models
	814-3118-Z	4	5/16"-18 Indented Locknut	All Models
18	810-6311-Z	3	5/8" Spin Locknut	All Models
19	M3-1-7-0029	1	Chute Pivot Rod 1" Diameter x 45-1/4"	All Models
20	See Page 86	1	Hydraulic Cylinder	All Models
21	M3-1-4-0005	1	Extension Hydraulic Mount Weldment	All Models
22	M3-1-4-0006	1	Conveyor Link Arm Weldment	All Models
23	23-0266	1	1.5 Shaft x 49.375" Drive Pulley	All Models

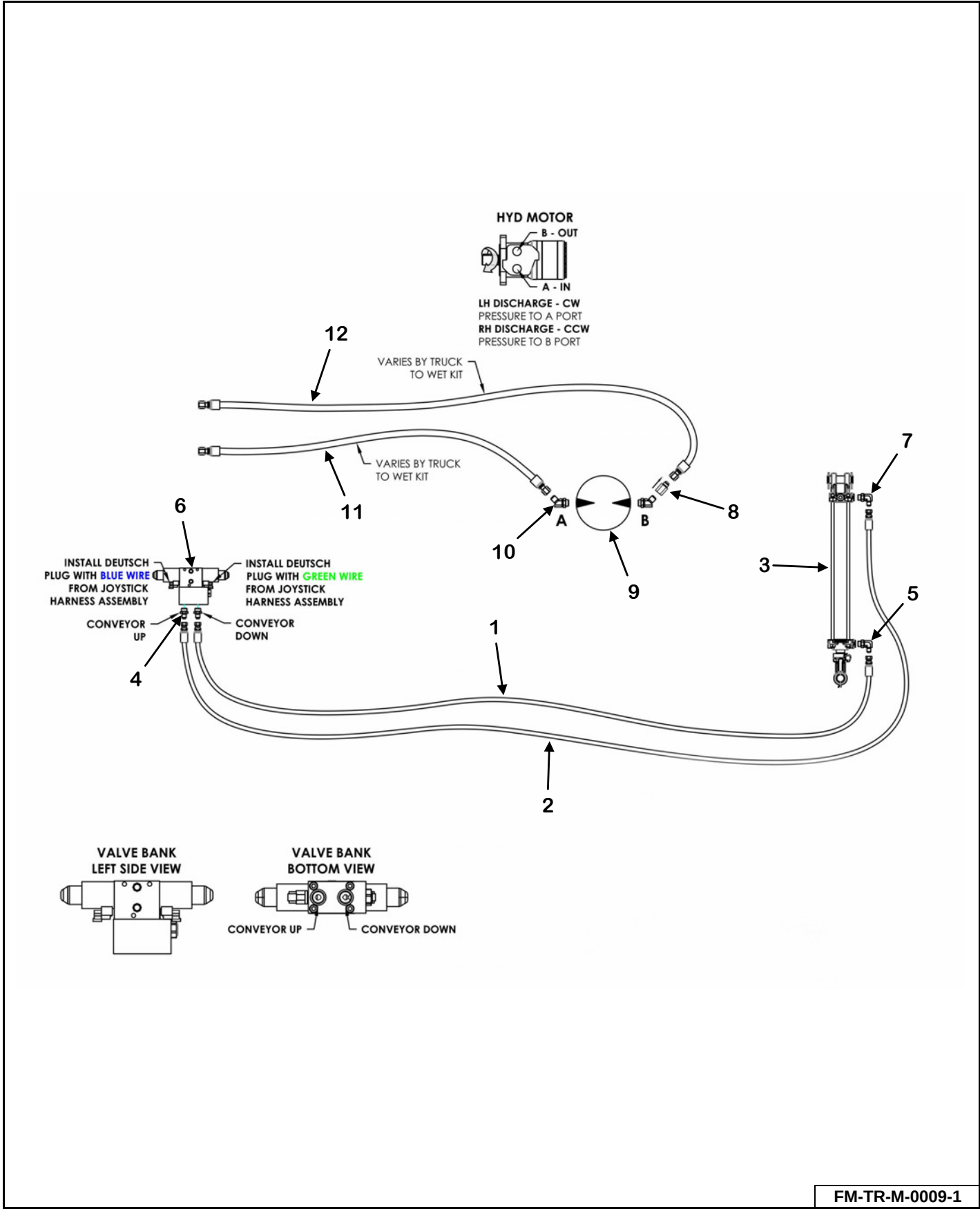
SIDE DISCHARGE BELT CONVEYOR (CONT'D)



FM-ML-0020-1

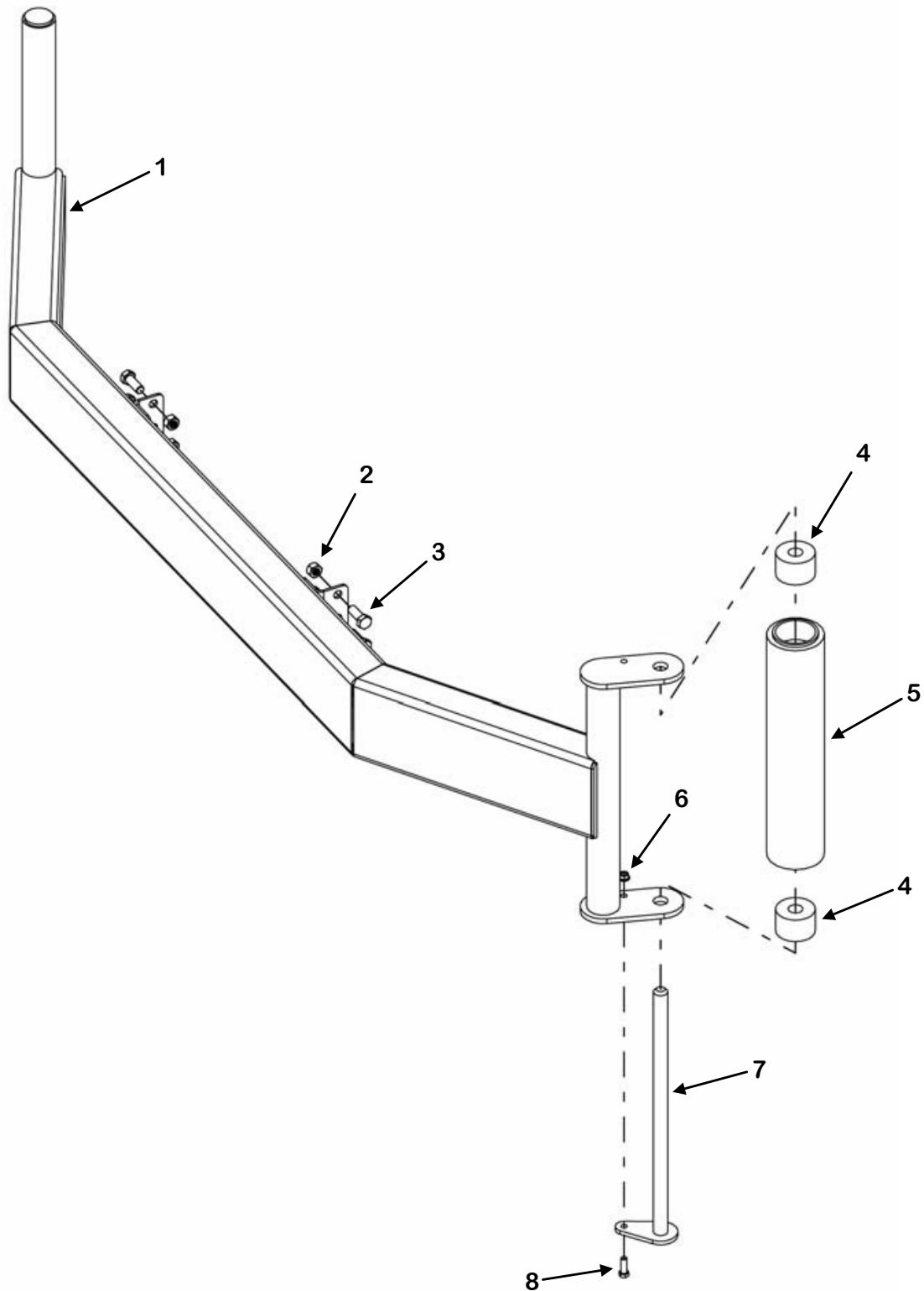
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
24	23-0265	1	1.5 Shaft x 48.25" Cross Conveyor Idler Pulley	All Models
25	830-5013-4Z	3	Tap Bolt, 1/2"-13 x 4"	All Models
26	813-5013-Z	6	1/2"-13 Nut	All Models
27	49-0171	1	Door Frame Seal	All Models
28	M3-1-4-0024	2	Door Deflector (Belting)	All Models
29	M3-1-4-0025	2	Belt Chute Deflector	All Models
30	802T-3118-.75Z	7	5/16"-18 x 3/4" Truss Head Screw	All Models
31	815-3118-Z	7	5/16"-18 Nylon Insert Lock Nut, Left Side	All Models
32	850-3816-1Z	6	3/8"-16 x 1" Carriage Bolt, Grade 5	All Models
33	810-3816-Z	6	3/8" Spin Lock Nut	All Models
34	851-3816-1Z	8	3/8"-16 x 1" Grade 5 Machine Bolt	All Models
35	805-0038-Z	4	3/8" Flat Washer	All Models
36	815-3816-Z	8	3/8"-16 Nylon Insert Lock Nut	All Models
37	851-6311-1.5Z	3	5/8"-11 x 1-1/2" Grade 5 Machine Bolt	All Models
38	VA-SCS-4224	1	24" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-7-0044-5	1	24" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-36	1	36" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0035-5	1	36" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-48	1	48" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0031-5	1	48" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-60	1	60" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0051-5	1	60" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
39	VA-SCS-4224	1	24" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-7-0044-6	1	24" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-36	1	36" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0035-6	1	36" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-48	1	48" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0031-6	1	48" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models
	VA-SCS-60	1	60" Incline Skirt Seal Kit (Prior to SN 19VM0585202)	585
	M3-1-4-0051-6	1	60" Incline Side Skirt Bracket (SN 19VM0585202 & Later)	All Models

SIDE DISCHARGE INCLINE BELT CONVEYOR HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	155-04R17-182-1	1	1/4" x 182" Hose Assembly	585/700
2	155-04R17-205-1	1	1/4" x 205" Hose Assembly	585/700
3	155-2-22-1.125-1	1	2" x 22" x 1-1/8" Hydraulic Cylinder	585/700
4	155-6400-6-8	2	Straight Adapter	585/700
5	155-6801-6-8	1	90° Adapter	585/700
6	155-M-0002	1	Section W/ PO Check Cylinder Valve Bank	585/700
7	155-6801-6-8-55	1	90° Adapter W/ .055" Orifice	585/700
8	155-CV-8-1	1	Check Valve	585/700
9	155-BMRSY-12.25-1	1	12.25 Cubic Inch Motor	585/700
10	155-6802-8-10	2	45° Adapter	585/700
11	Call 1-800-325-9103	1	Hose (Varies By Truck)	585/700
12	Call 1-800-325-9103	1	Hose (Varies By Truck)	585/700

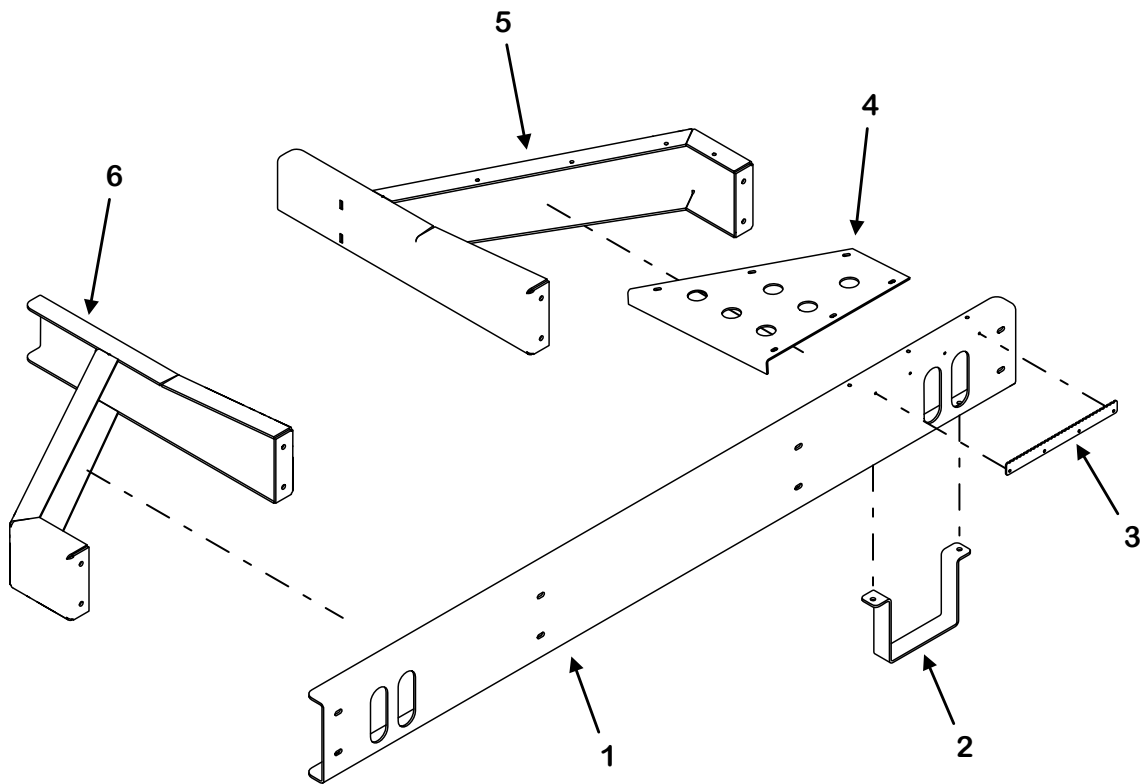
FRONT BUMPER



FM-TR-H-0009-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M13-1-12-0020	1	Front Bumper Weldment	585/700
2	884-7510-Z	6	3/4"-10 Top Lock Nut	585/700
3	851-7510-2Z	6	3/4"-10 x 2" Hex Cap Screw	585/700
4	M13-1-12-0013-4	2	Bunk Roller Bearing	585/700
5	M13-1-12-0013-2	1	Bunk Roller Weldment	585/700
6	810-5013-Z	1	1/2"-13 Spin Lock Nut	585/700
7	M13-1-12-0013-3	1	Bunk Roller Pin Weldment	585/700
8	851-5013-1.5Z	1	1/2"-13 x 1-1/2" Hex Cap Screw	585/700

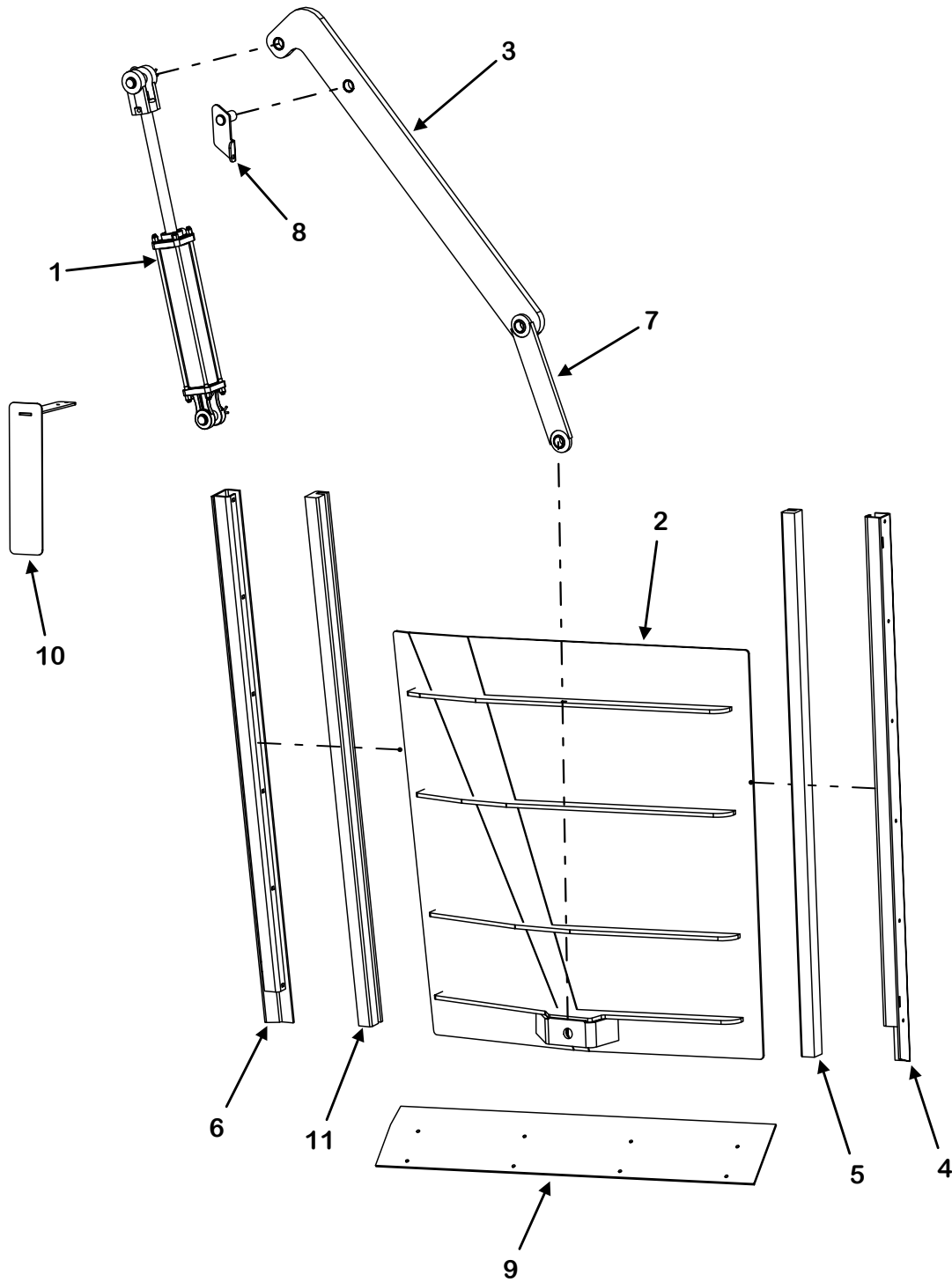
REAR BUMPER



FM-TR-M-0001-2

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M13-1-7-0001	1	Rear Bumper	585/700
2	M13-1-12-0005	1	Bumper Drop Step	585/700
3	M13-1-12-0006	1	Bumper Step	585/700
4	M13-1-12-0004	1	Rear Bumper Step Insert	585/700
5	M13-1-12-0003	1	Right Rear Bumper Mount Weldment	585/700
6	M13-1-12-0002	1	Left Rear Bumper Mount Weldment	585/700

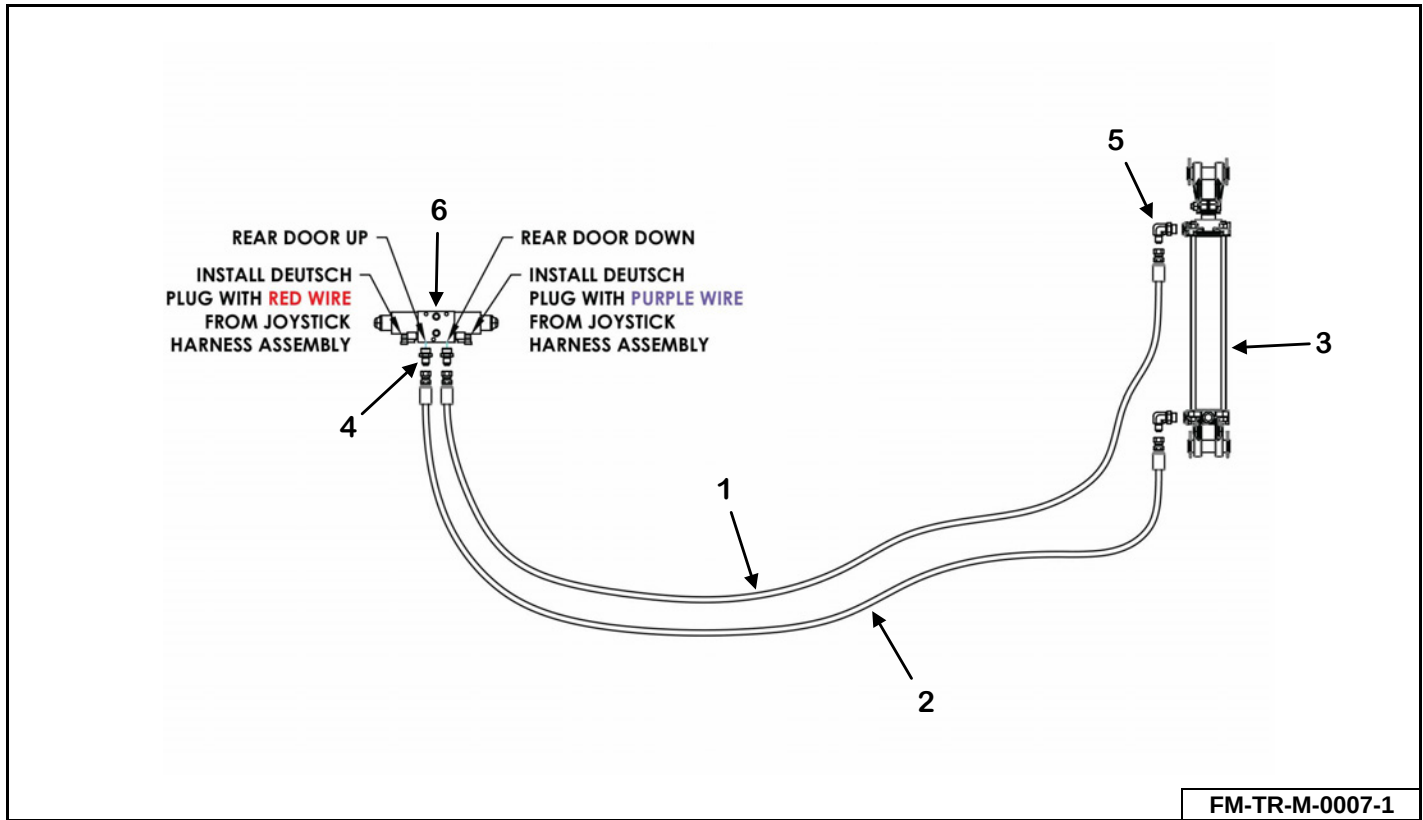
DOOR



FM-ML-0024-1

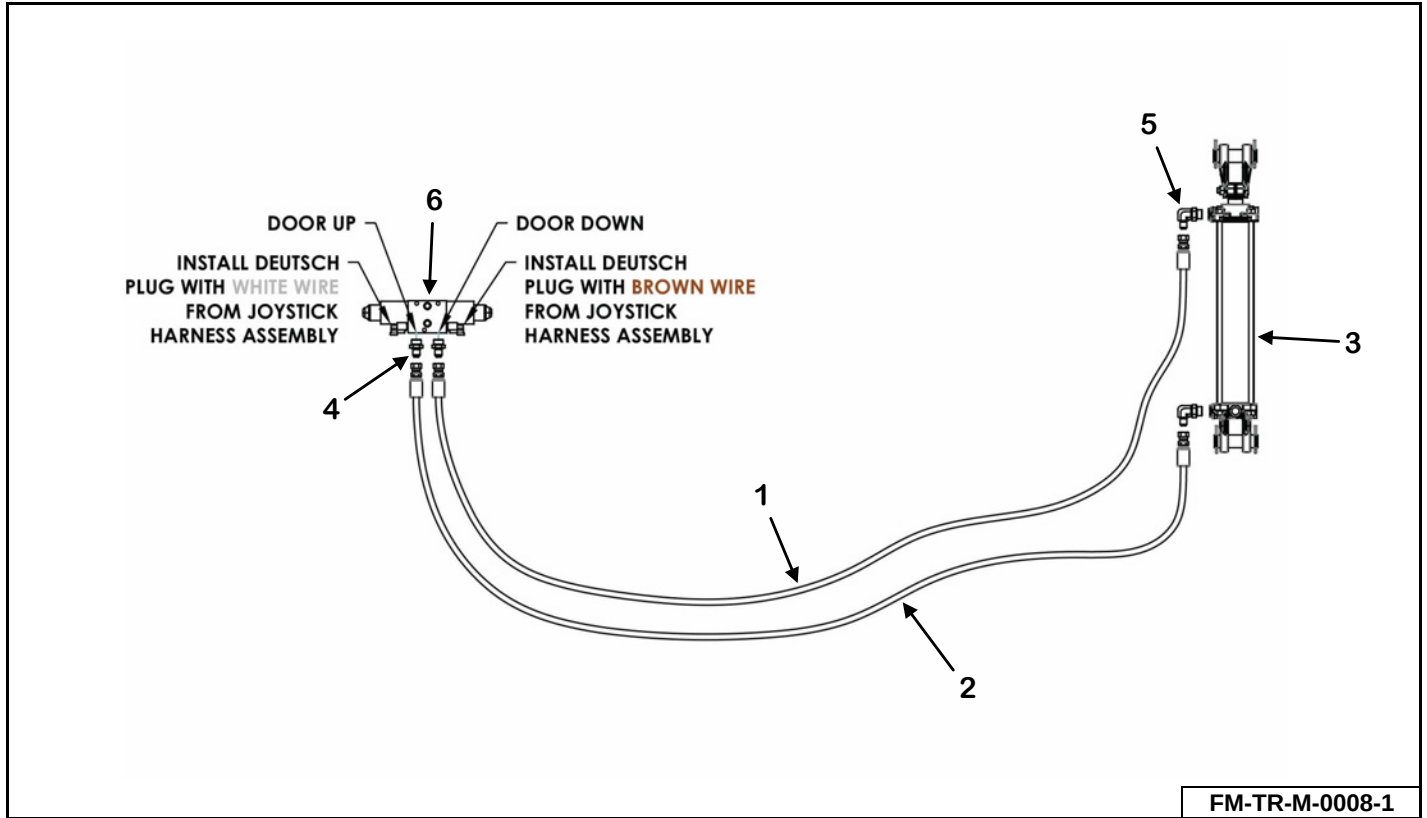
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	155-2.5-12-1.125-1	1	2-1/2" x 12" x 1-1/8" Hydraulic Cylinder	All Models
2	M6-1-7-0004	1	Rear / Front Door Weldment	All Models
	M6-1-7-0007	1	Left Front / Right Rear Side Door Weldment	All Models
	M6-1-7-0009	1	Right Front / Left Rear Side Door Weldment	All Models
3	M6-1-7-0005	1	Door Arm	All Models
	M6-1-8-0006-2	2	Spring Bushing 1" ID x 1-1/4" OD x 3/4"	All Models
4	M6-1-8-0002	1	Right Door Frame Guide Assembly	All Models
5	M6-1-10-0007-R	1	Right Poly Door Slide (Facing Door)	All Models
	850-3118-2.5Z	6	Carriage Bolt, 5/16"-18 x 2-1/2"	All Models
	814-3118-Z	6	Indented Lock Nut, 5/16"-18	All Models
6	M6-1-8-0004	1	Left Door Frame Guide Assembly	All Models
7	M6-1-8-0008	1	Door Link Arm Assembly	All Models
	851-1008-3Z	2	Machine Bolt, 1"-8 x 3"	All Models
	815-1008-Z	2	Lock Nut, 1"-8 Nylon Insert	All Models
8	M6-1-8-0009	1	Front & Rear Door Link Pivot Pin Assembly	All Models
	M6-1-7-0010	1	Front Right / Rear Left Side Door Pivot Pin Assembly	All Models
	M6-1-7-0011	1	Front Left / Rear Right Side Door Pivot Pin Assembly	All Models
	851-3816-1.25Z	1	3/8"-16 x 1-1/4" Machine Bolt	All Models
	805-0038-Z	2	3/8" Flat Washer	All Models
	815-3816-Z	1	3/8"-16 Nylon Insert Lock Nut	All Models
9	M11-1-0019	1	Magnet Cover Plate (Side Door Only)	All Models
10	M2-1-7-0001-47	AR	Left/Right Side Discharge Door Indicator Weldment	All Models
	46-M-0006	AR	Door Open Indicator Decal	All Models
11	M6-1-10-0007-L	1	Left Poly Door Slide (Facing Door)	All Models
	850-3118-2.5Z	6	Carriage Bolt, 5/16"-18 x 2-1/2"	All Models
	814-3118-Z	6	Indented Lock Nut, 5/16"-18	All Models

OPTIONAL REAR OR REAR SIDE DOOR HYDRAULIC SCHEMATIC



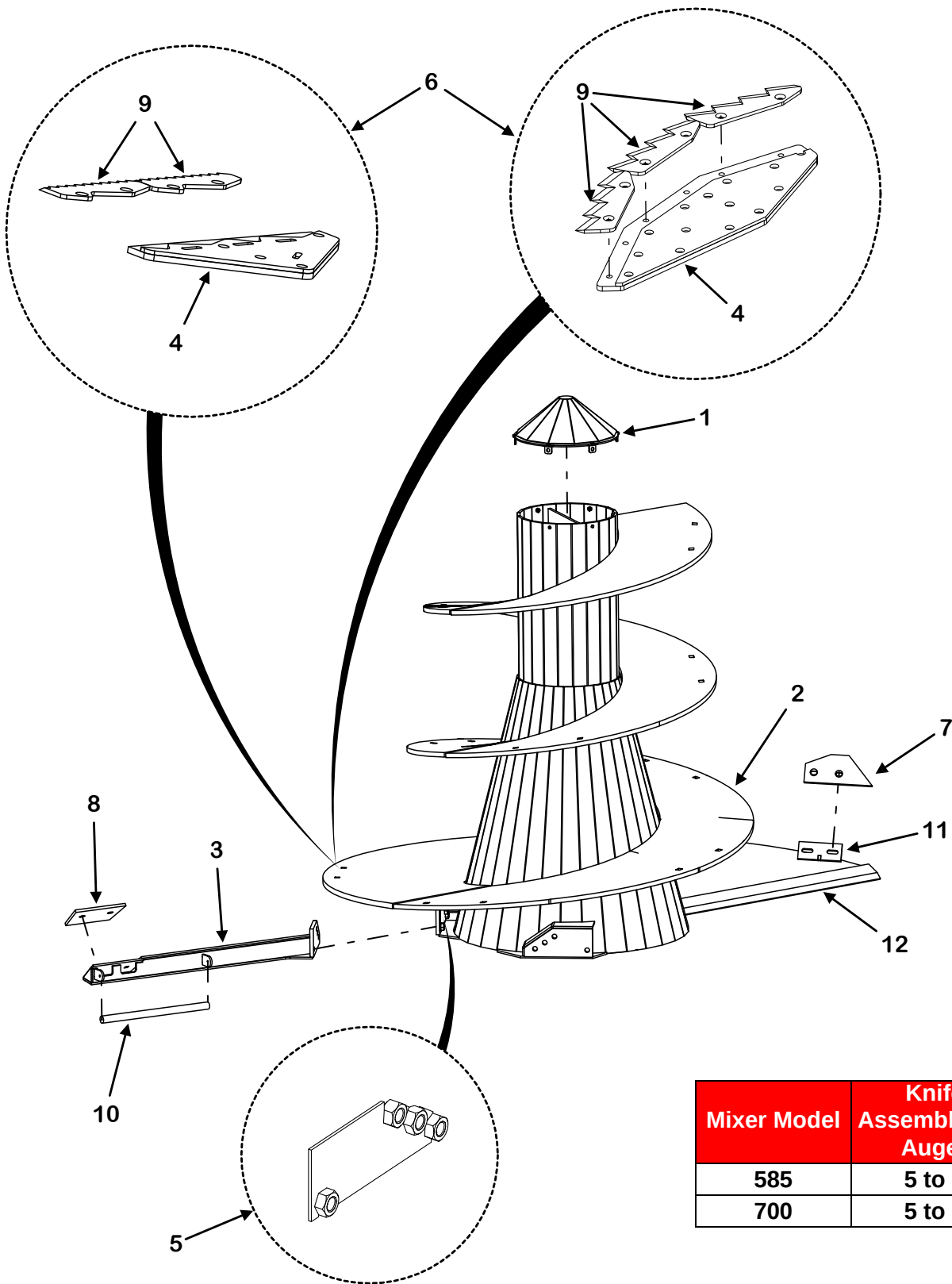
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-04R17-266-1	1	1/4" x 266" Hose Assembly
2	155-04R17-251-1	1	1/4" x 251" Hose Assembly
3	155-2.5-12-1.125-1	1	2-1/2" x 12" x 1-1/8" Hydraulic Cylinder
4	155-6400-6-8	2	Straight Adapter
5	155-6801-6-8	2	90° Adapter
6	155-M-0001	1	Closed Center Section Door Cylinder Valve Bank

LEFT DOOR HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-04R17-121-1	1	1/4" x 121" Hose Assembly
2	155-04R17-102-1	1	1/4" x 102" Hose Assembly
3	155-2.5-12-1.125-1	1	2-1/2" x 12" x 1-1/8" Hydraulic Cylinder
4	155-6400-6-8	2	Straight Adapter
5	155-6801-6-8	2	90° Adapter
6	155-M-0001	1	Closed Center Section Door Cylinder Valve Bank

AUGER

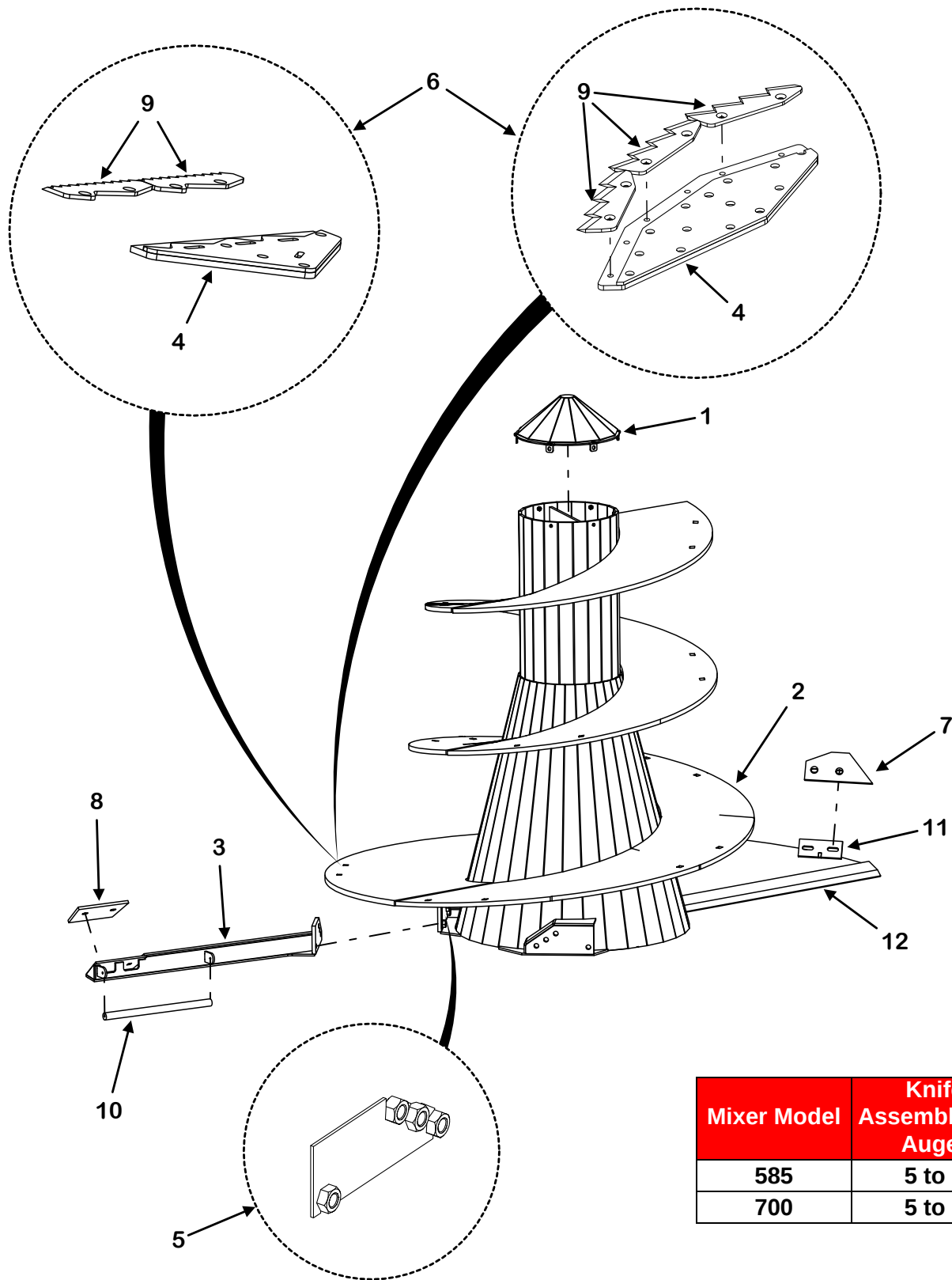


Mixer Model	Knife Assembly Per Auger
585	5 to 7
700	5 to 8

FM-ML-0029-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	M5-1-5-0004	2	Stop & Shift Auger Assembly, Complete With Knives, Backer & Hardware	585
	M5-1-5-0005	2	Stop & Shift Stainless Lined Auger Assembly, Complete With Knives, Backer & Hardware	585
	M5-1-5-0008	2	Power Shift Auger Assembly, Complete With Knives, Backer & Hardware	585
	M5-1-7-0006	2	Stop & Shift Auger Assembly, Complete With Knives, Backer & Hardware	700
	M5-1-7-0009	2	Stop & Shift Stainless Lined Auger Assembly, Complete With Knives, Backer & Hardware	700
	M5-1-7-0007	2	Power Shift Auger Assembly, Complete With Knives, Backer & Hardware	700
1	M5-1-8-0002	2	Auger Top Cap Weldment	All Models
	851-3118-1.25SS	6 per	5/16"-18 x 1-1/4" Stainless Steel Bolts	All Models
	805-0031-Z	6 per	5/16" Flat Washer	All Models
	822-0031-Z	6 per	5/16" Split Lock Washer	All Models
2	M5-1-5-0004-1	2	Stop & Shift Auger Weldment	585
	M5-1-5-0005-1	2	Stop & Shift Stainless Lined Auger Weldment	585
	M5-1-5-0008-1	2	Power Shift Auger Weldment	585
	M5-1-7-0006-1	2	Stop & Shift Auger Weldment	700
	M5-1-7-0009-1	2	Stop & Shift Stainless Lined Auger Weldment	700
	M5-1-7-0007-1	2	Power Shift Auger Weldment	700
3	M5-1-7-0005	2	Kicker Weldment	All Models
	See Page 138	2	Kicker Weldment With Magnet Kit (Optional)	All Models
	881-6311-1.75Z	4	5/8"-11 x 1-3/4" Bolt	All Models

AUGER (CONT'D)

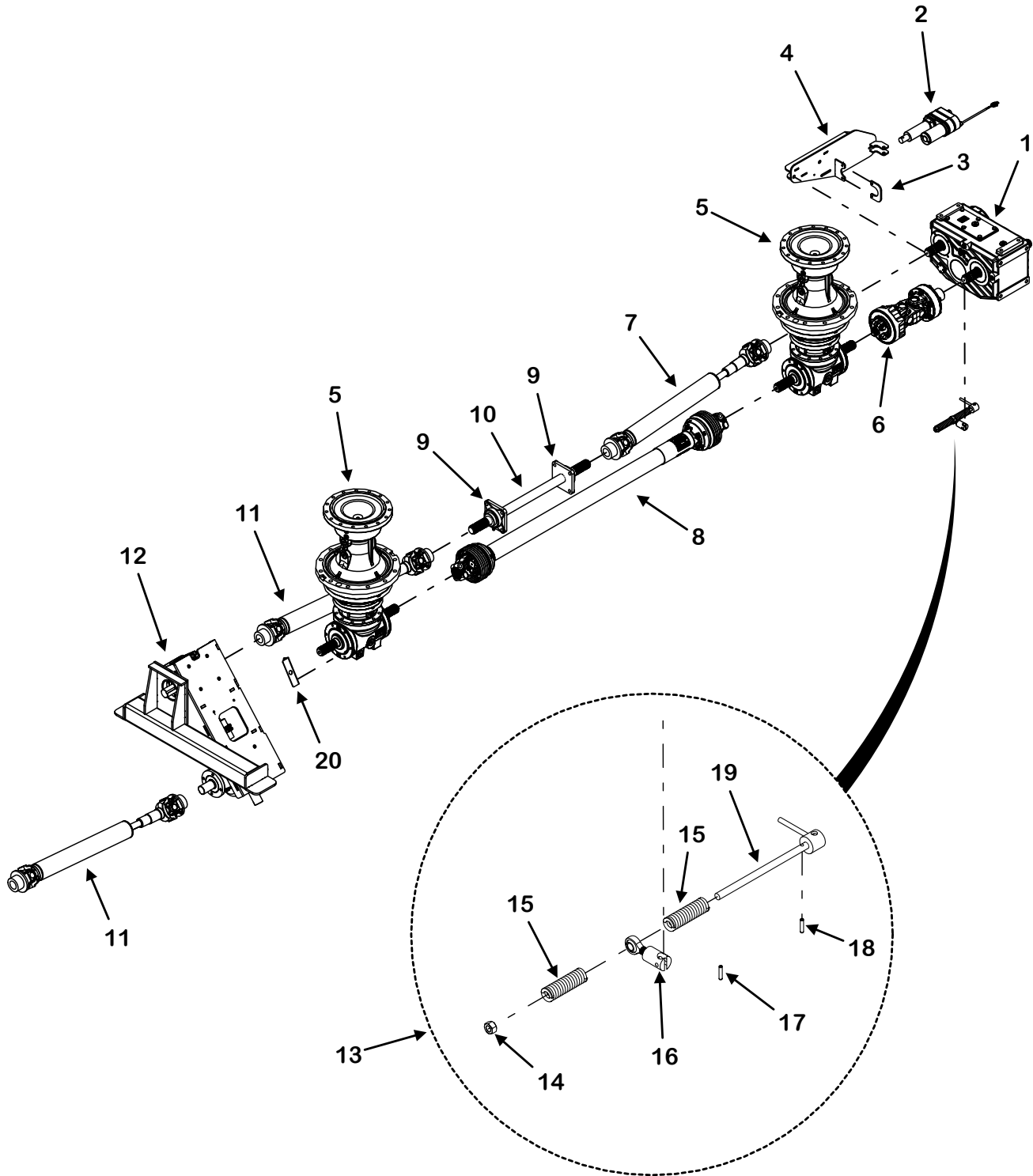


Mixer Model	Knife Assembly Per Auger
585	5 to 7
700	5 to 8

FM-ML-0029-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
4	M11-1-0040	AR	2-Knife Backer Weldment For Knives	All Models
	M11-1-0041	AR	2-Knife HD Backer Weldment For Knives	All Models
	M11-1-0048	AR	3-Knife Backer Weldment For Knives	All Models
	880-6311-2Z	1 per	5/8"-11 x 2" Carriage Bolt Zinc	All Models
	880-6311-2.5Z	1 per	5/8"-11 x 2" Carriage Bolt Zinc	All Models
	886-6311-Z	2 per	5/8"-11 Center Lock Nut	All Models
5	M5-1-8-0007	2	Auger Kicker Nut Holder Weldment	All Models
6	M11-1-0059-K	AR	Mixer 2-Knife Assembly (Includes Knives, Backers & Hardware)	All Models
	M11-1-0060-K	AR	Mixer 2-Knife With Doubler Assembly (Includes Knives, Backers & Hardware)	All Models
	M11-1-0054-K	AR	Mixer 3-Knife Assembly (Includes Knives, Backers & Hardware)	All Models
7	M5-1-8-0005-K	2	Auger Scraper With Hardware	All Models
	852-5013-1.75Z	2 per	1/2"-13 x 1-3/4" Flat Head Socket Cap Screw	All Models
	815-5013-Z	2 per	1/2"-13 Nylon Lock Nut	All Models
	828-0050-Z	2 per	1/2" SAE Washer	All Models
8	M5-1-8-0006-K	2	Kicker Wear Plate With Hardware	All Models
	852-5013-1.75Z	2 per	1/2"-13 x 1-3/4" Flat Head Socket Cap Screw	All Models
	815-5013-Z	2 per	1/2"-13 Nylon Lock Nut	All Models
	828-0050-Z	2 per	1/2" SAE Washer	All Models
9	M11-1-0050-K	AR	One Blade With Hardware	All Models
	803-3816-1Z	2 per	3/8"-16 x 1" Flat Head Socket Cap Screw	All Models
	814-3816-Z	2 per	3/8"-16 Center Lock Nut	All Models
10	See Page 138	AR	Kicker Magnet (Optional)	All Models
11	M5-1-8-0001-1-13	2	Scraper Mount (Welded On)	All Models
	M5-1-8-0001-1-14	2	Scraper Mount Gusset (Welded On)	All Models
12	M5-1-7-0001-1-3	2	Auger Lead Edge (Welded On)	All Models

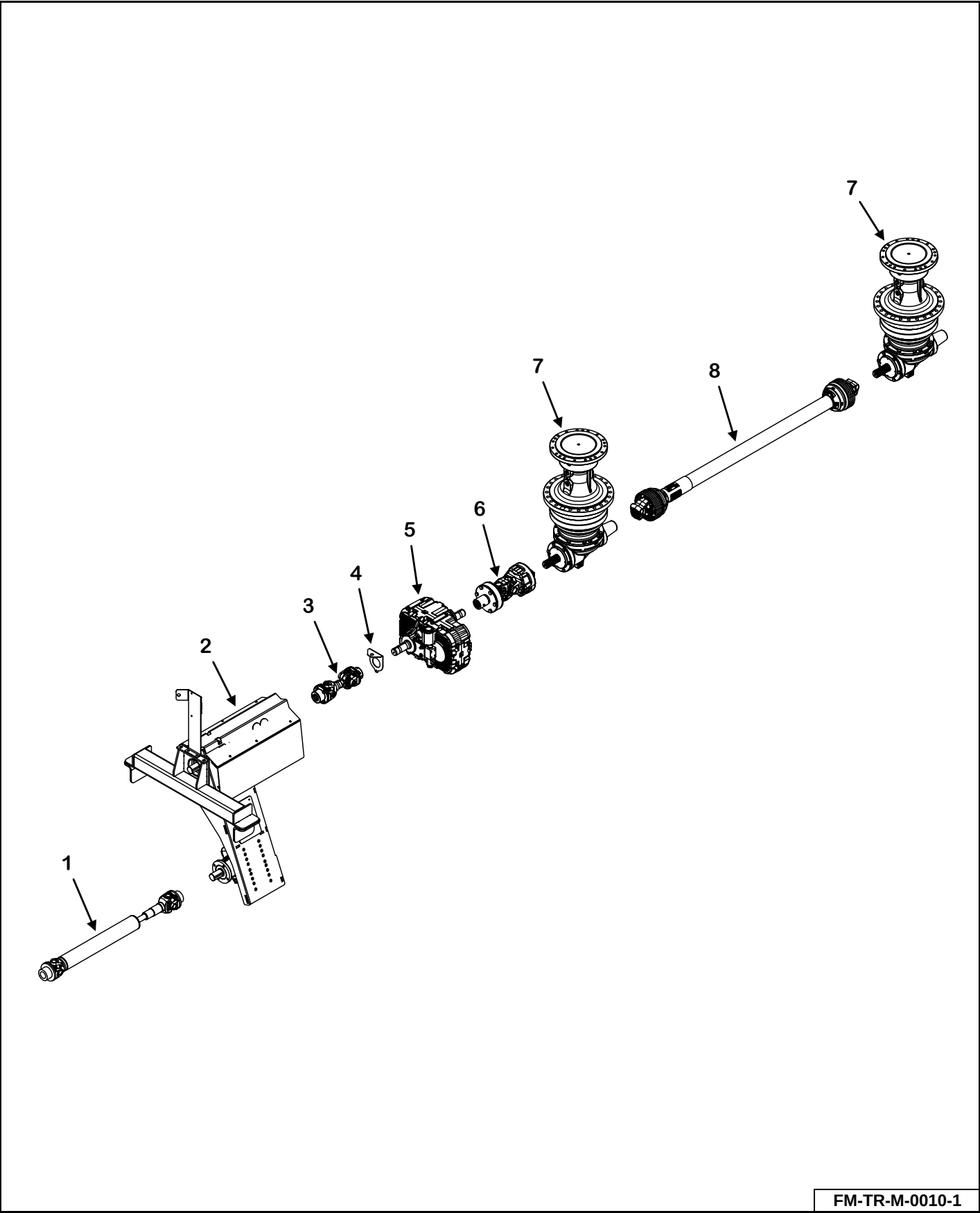
STOP & SHIFT DRIVELINE



FM-TR-M-0001-3

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	See Page 120	1	2-Speed Shifting Gearbox 1.80:1/2.70:1 1.75-20 SPL Prior to SN 21VM(0585206, 0700204)	585/700
	See Page 122	1	2-Speed Shifting Gearbox 1.80:1/2.70:1 1.75-20 SPL SN 21VM(0585206, 0700204) & Later	585/700
2	56-0123	1	12V Linear Actuator With Plug	585/700
3	M11-2-0001-4	1	2-Speed Top Cylinder Mount	585/700
4	M11-2-0005	1	2-Speed Shift Mount Weldment	585/700
5	See Page 76	2	1800 Series Planetary Gearbox	585/700
6	118-VM-0016-55	1	Double Universal Joint W/Integral Auto Clutch	585/700
7	118-VM-1410-14	1	1-3/4"-20 Spline Balanced Automotive Driveline	585/700
8	118-VM-0014-55	1	Planetary to Planetary Drive Shaft	585/700
9	914-3819	2	1-3/4" 4-Bolt Bearing	585/700
10	123-1.75-0005	1	1-3/4" Dia. x 32-1/4" PTO Extension Drive Shaft	585/700
11	Call 1-800-325-9103	2	1-3/4"-20 Spline Balanced Automotive Driveline	585/700
12	See Page 104	1	Stop & Shift Gearbox Driveline Short Mount	585/700
	See Page 106	1	Stop & Shift Gearbox Driveline Long Mount	585/700
13	VAML-2SP-BJSR-KIT	1	2-Speed Shift Rod Kit Without Springs	585/700
	VAML-2SP-BJSRS-KIT	1	2-Speed Shift Rod Kit With Springs	585/700
14	814-5612-Z	1	9/16-12 Indented Lock Nut SN 18VM(0585224, 0700207) & Later	585/700
15	VAML-2SP-BJSRS-KIT	1	2-Speed Shift Rod Kit With Springs Prior to SN 18VM(0585224, 0700207)	585/700
	29-0036	2	2-Speed Die Spring SN 18VM(0585224, 0700207) & Later	585/700
16	M11-1-0005	1	Shift Mount Rod	585/700
	851-3118-2.25Z	1	5/16"-18 x 2-1/4" Hex Cap Screw	585/700
	815-3118-Z	1	5/16"-18 Nylon Insert Lock Nut	585/700
17	VAML-2SP-BJSRS-KIT	1	2-Speed Shift Rod Kit With Springs Prior to SN 18VM(0585224, 0700207)	585/700
18	38-0003	1	1/4" x 1-1/4" Roll Pin	585/700
19	VAML-2SP-BJSRS-KIT	1	2-Speed Shift Rod Kit With Springs Prior to SN 18VM(0585224, 0700207)	585/700
	M11-2-0003	1	2-Speed Shift Rod Weldment SN 18VM(0585224, 0700207) & Later	585/700
20	M9-1-7-0001	1	Shaft Rotation Sensor Bracket	585/700

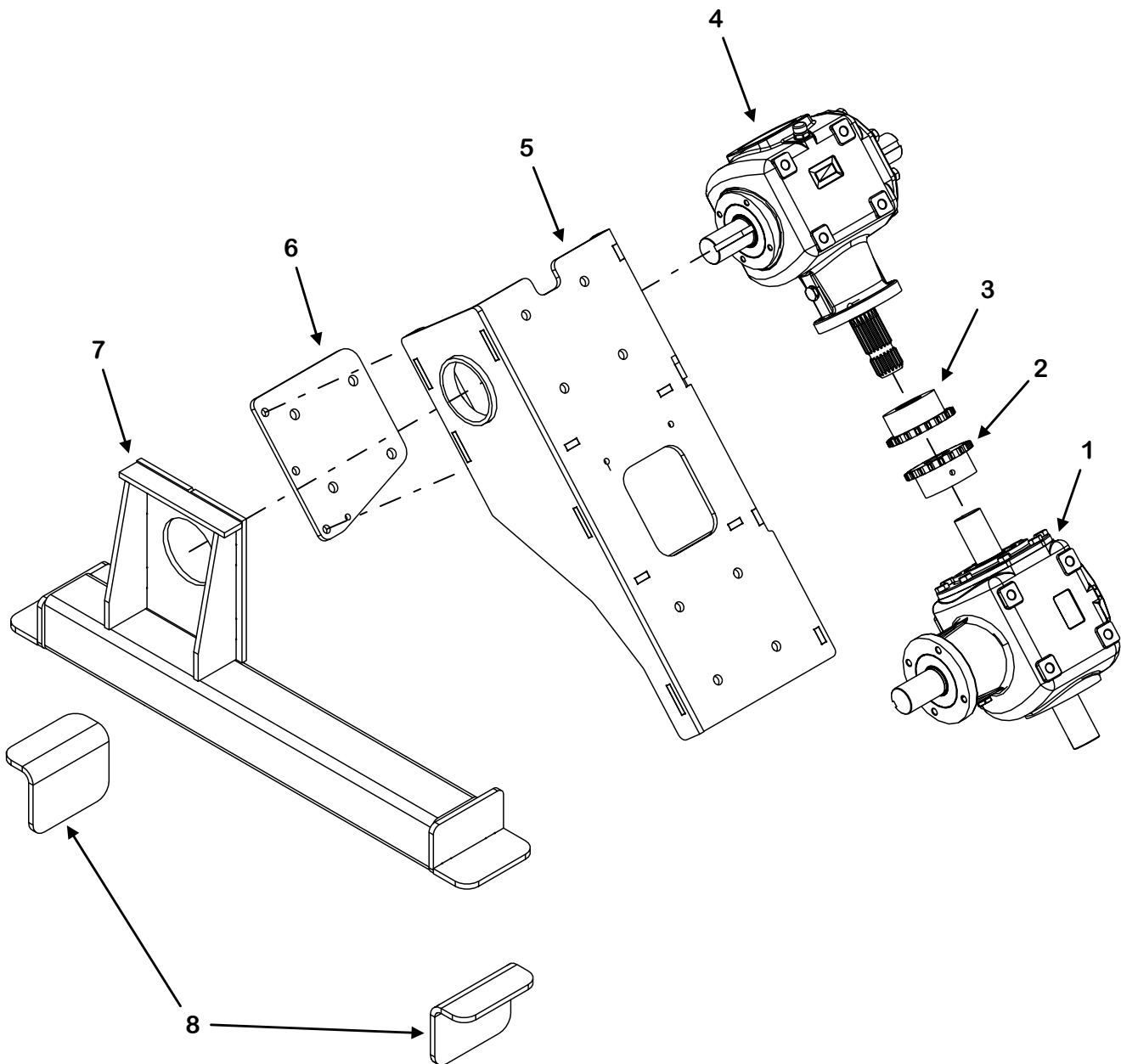
POWER SHIFT DRIVELINE



FM-TR-M-0010-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	Call 1-800-325-9103	1	1-3/4"-20 Spline Balanced Automotive Driveline	585/700
2	See Page 108	1	Power Shift Gearbox Driveline Long Mount	585/700
3	118-VM-1410-61	1	1410 Short Coupled Universal Assembly	585/700
4	M2-1-7-0023	1	Proximity Switch Mount	585/700
5	See Page 128	1	Power Shift Transmission	585/700
6	118-VM-0016-55	1	Double Universal Joint W/ Integral Auto Clutch	585/700
7	See Page 132	2	2100 Series Planetary	585/700
8	118-VM-0014-55	1	1-3/4"-20 Both Ends Drive Shaft	585/700

STOP & SHIFT GEARBOX DRIVELINE SHORT MOUNT

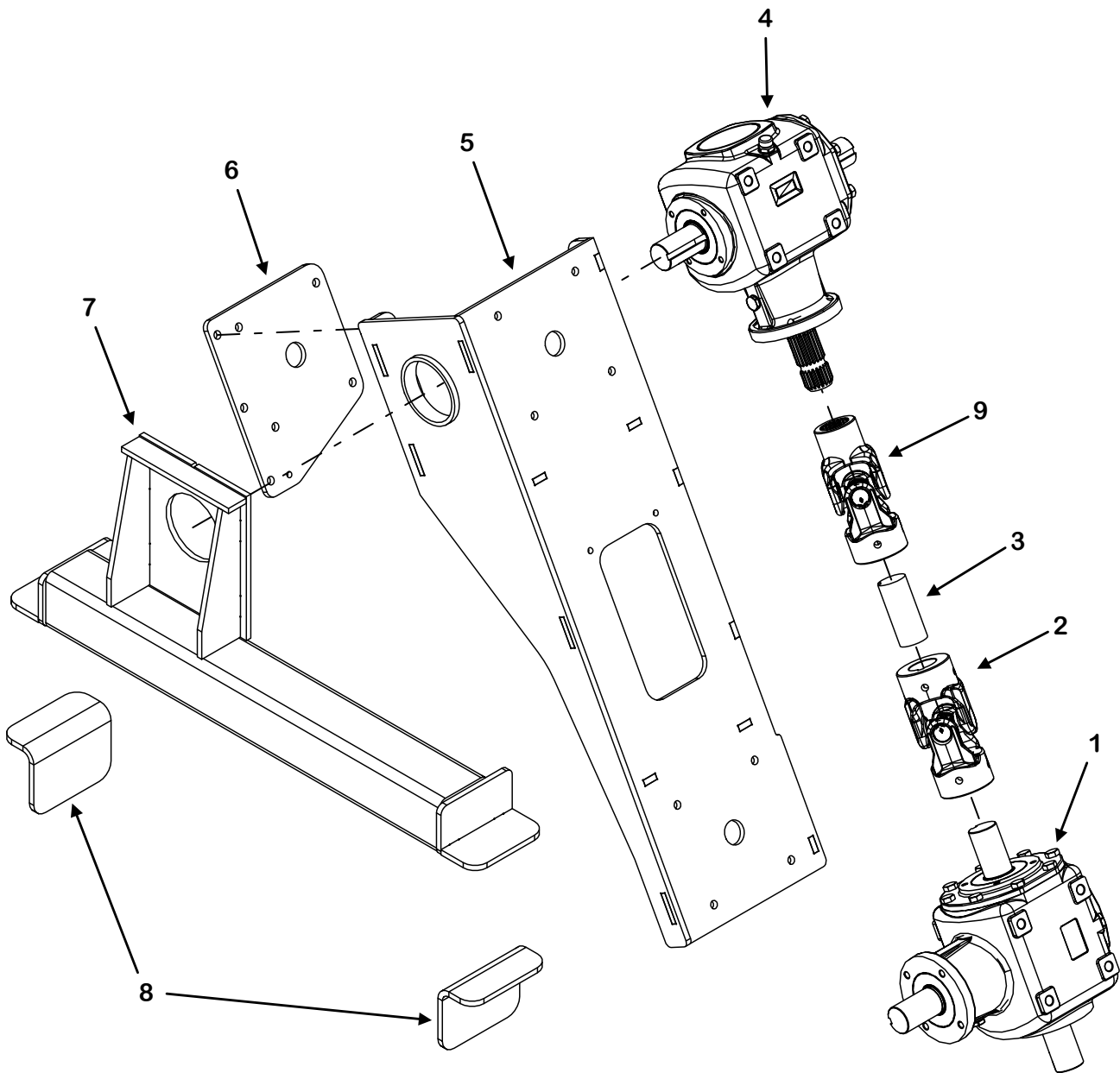


Left Side PTO Shown.

FM-TR-M-0001-4

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	See Page 110	1	Gearbox Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Prior to SN 18VM0700212	700
	See Page 112	1	Gearbox SN 18VM(0585230, 0700212) & Later	585/700
2	937-0010-1	1	60B18 1-3/4" Bore Coupler Sprocket 3/8" Keyway	585/700
3	10-0108	1	60B18 1-3/4-20 Spline Bore Coupler Sprocket 3/8" Set Screw	585/700
4	See Page 111	1	Gearbox Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Prior to SN 18VM0700212	700
	See Page 114	1	Gearbox SN 18VM(0585230, 0700212) & Later	585/700
5	M9-1-5-0011	1	Gearbox Mount Weldment Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Mount Weldment Prior to SN 18VM0700212	700
	M9-1-5-0014	1	Gearbox Mount Weldment SN 18VM(0585230, 0700212) & Later	585/700
6	M9-1-5-0011-3	1	Gearbox Mount Plate Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Mount Prior to SN 18VM0700212	700
	925-0550-6	1	Gearbox Mount SN 18VM(0585230, 0700212) & Later	585/700
7	M9-1-5-0013	1	Gearbox Mount Weldment Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Mount Weldment Prior to SN 18VM0700212	700
	M9-1-5-0013	1	Gearbox Mount Weldment SN 18VM(0585230, 0700212) & Later	585/700
8	M9-1-5-0006-8	2	Gearbox Frame Mount Plate	585/700
NS	111-0060-18-CC	1	Chain Coupler	585/700

STOP & SHIFT GEARBOX DRIVELINE LONG MOUNT

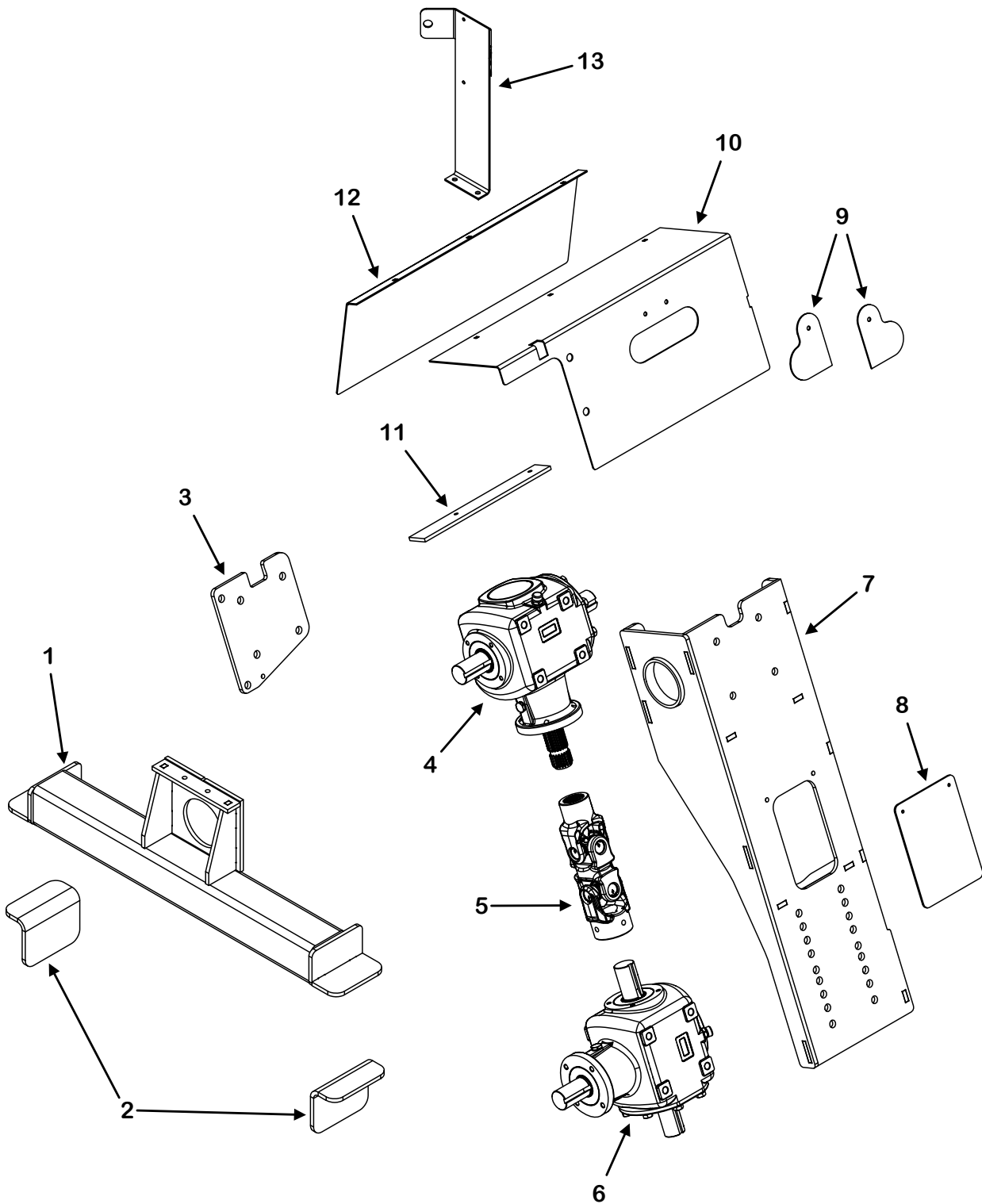


Left Side PTO Shown.

FM-TR-M-0001-5

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	See Page 110	1	Gearbox Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Prior to SN 18VM0700212	700
	See Page 112	1	Gearbox SN 18VM(0585230, 0700212) & Later	585/700
2	618-0002	1	2400 Joint	585/700
3	623-0020-S-4	1	Connector Shaft	585/700
4	See Page 111	1	Gearbox Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Prior to SN 18VM0700212	700
	See Page 114	1	Gearbox SN 18VM(0585230, 0700212) & Later	585/700
5	M9-1-5-0012	1	Gearbox Mount Weldment Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Mount Weldment Prior to SN 18VM0700212	700
	M9-1-5-0015	1	Gearbox Mount Weldment SN 18VM(0585230, 0700212) & Later	585/700
6	M9-1-5-0011-3	1	Gearbox Mount Plate Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Gearbox Mount Prior to SN 18VM0700212	700
	925-0550-6	1	Gearbox Mount SN 18VM(0585230, 0700212) & Later	585/700
7	M9-1-5-0013	1	Left Stop & Shift Gearbox Mount Weldment Prior to SN 18VM0585230	585
	Call 1-800-325-9103	1	Left Stop & Shift Gearbox Mount Weldment Prior to SN 18VM0700212	700
	M9-1-5-0013	1	Left Stop & Shift Gearbox Mount Weldment SN 18VM(0585230, 0700212) & Later	585/700
8	M9-1-5-0006-8	2	Gearbox Frame Mount Plate	585/700
9	618-0005	1	2400 Joint, 3/8" Key	585/700

POWER SHIFT GEARBOX DRIVELINE LONG MOUNT



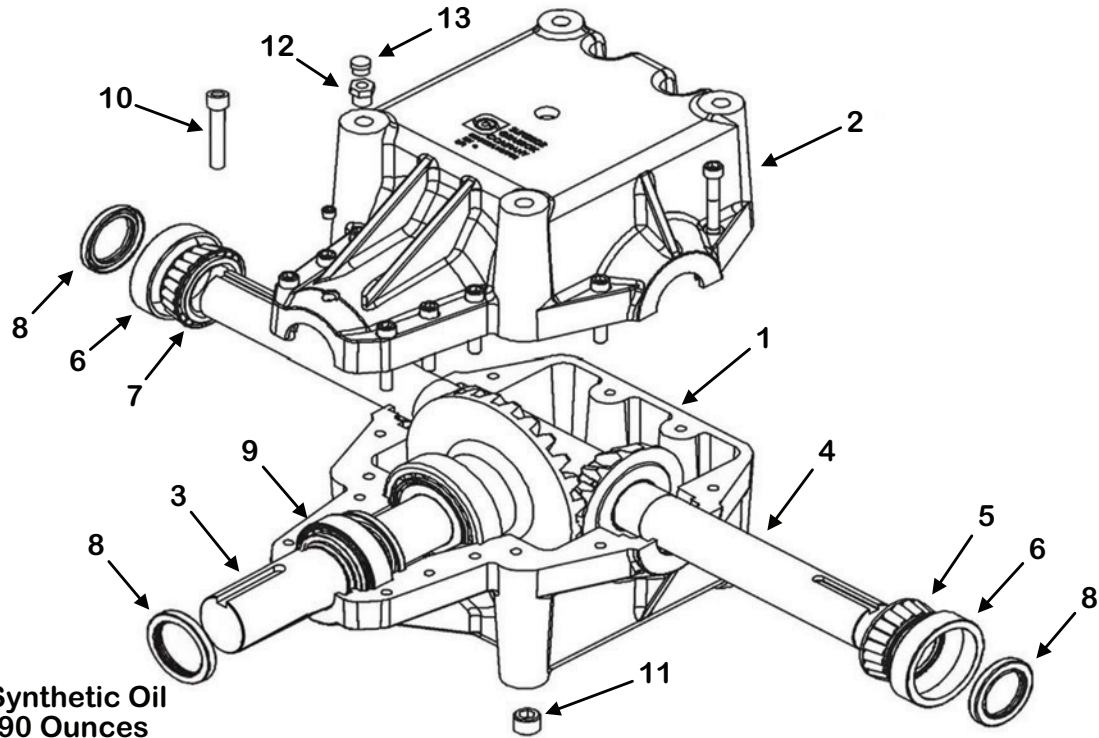
Left Side PTO Shown.

FM-TR-M-0010-2

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M9-1-5-0018	1	Gearbox Mount Weldment	585/700
2	M9-1-5-0006-8	2	Gearbox Frame Mount Plate	585/700
3	925-0550-6	1	Gearbox Mount Plate	585/700
4	See Page 114	1	Gearbox	585/700
5	618-0006	1	2400 Joint	585/700
6	See Page 112	1	Gearbox	585/700
7	M9-1-5-0023	1	Left Side Gearbox Mount Weldment	585/700
	M9-1-5-0024	1	Right Side Gearbox Mount Weldment	585/700
8	49-0535	1	Gearbox Mount Belt Cover	585/700
9	M9-1-5-0022-3	2	Cover	585/700
10	M9-1-5-0022-1	1	Left Side Gearbox Shield	585/700
	M9-1-5-0025-1	1	Right Side Gearbox Shield	585/700
11	M9-1-5-0022-4	1	Shield Belt Dampener	585/700
12	M9-1-5-0025-2	1	Gearbox Shield	585/700
13	M2-1-7-0042	1	High Speed Indicator Light Bracket	585/700

LOWER GEARBOX (EARLY MODELS)

(Prior To SN 18VM0585230)



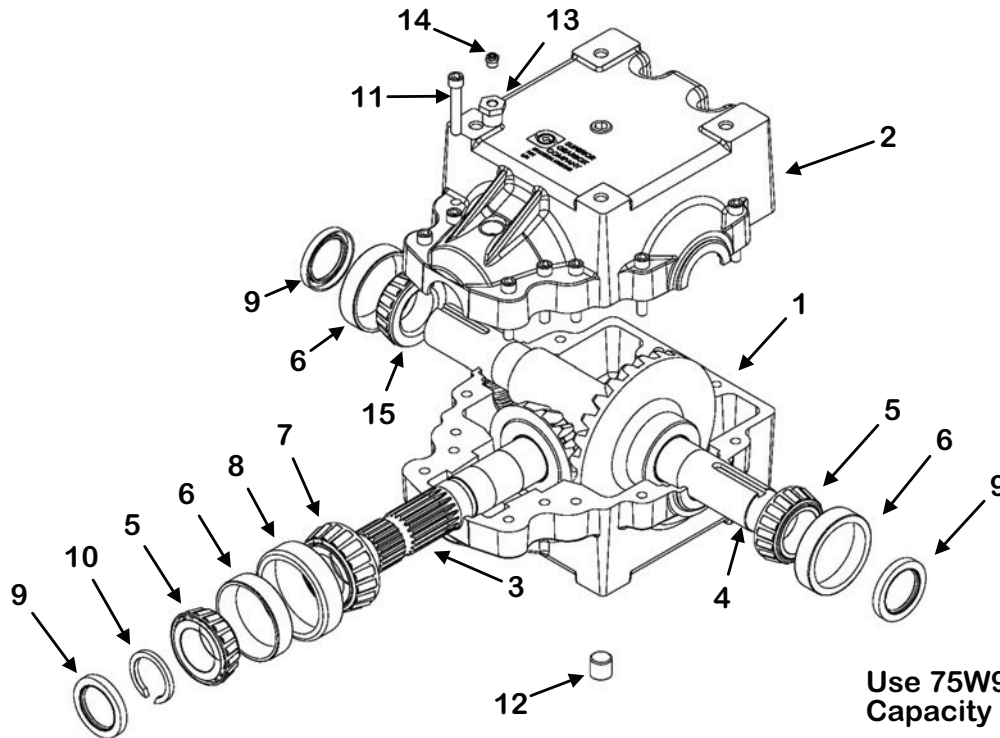
Use 75W90 Synthetic Oil
Capacity 80-90 Ounces

19-0140

KEY	PART NUMBER	QTY	DESCRIPTION
0	19-0140	1	1.35:1 GBD Gearbox
1	619-0010-1	1	Casting, Machined (Tapped Hole) 1.35:1
2	619-0010-2	1	Casting, Machined (Through Holes) 1.35:1
3	19-0140-1-ASSY	1	Pinion Shaft Gear W/Bearings, Cups, Seal, Retaining Ring Assembly
4	619-0010-4	1	Cross Shaft Gear Assembly 1.35:1
5	19-0029-7	1	Bearing Cone 1.750"
6	19-0029-8	2	Bearing Cup
7	19-0029-16	1	Bearing Cone
8	19-0029-9	3	Seal 1-3/4"
9	19-0029-11	1	Retaining Ring 1.750"
10	19-0016-11	12	Bolt, 3/8-16 x 2-1/4" SHCS
11	16-0016-5	1	Plug 1/2" NPT
12	19-0024-17	1	Bushing 1/2" to 1/8" NPT
13	19-0002-17	1	6 PSI Vent Plug

UPPER GEARBOX (EARLY MODELS)

(Prior To SN 18VM0585230)



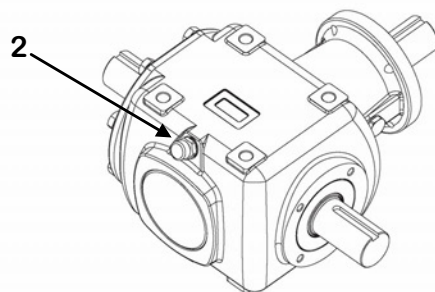
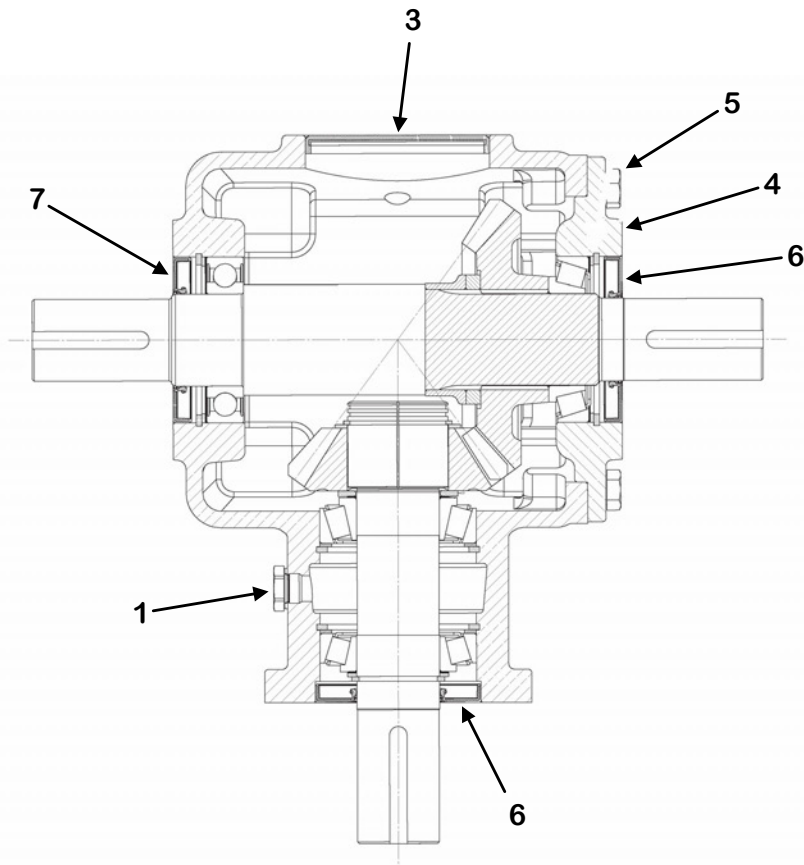
Use 75W90 Synthetic Oil
Capacity 80-90 Ounces

619-0010-SYN

KEY	PART NUMBER	QTY	DESCRIPTION
0	619-0010-SYN	1	1.35:1 Gearbox
1	619-0010-1	1	Casting, Machined (Tapped Hole) 1.35:1
2	619-0010-2	1	Casting, Machined (Through Hole) 1.35:1
3	619-0010-3	1	Pinion Shaft Gear Assembly
4	619-0010-4	1	Cross Shaft Gear Assembly
5	19-0029-7	2	Bearing Cone 1.750"
6	19-0029-8	3	Bearing Cup
7	19-0029-5	1	Bearing Cone
8	19-0029-6	1	Bearing Cup
9	19-0029-9	3	Seal 1-3/4"
10	19-0029-11	1	Retaining Ring 1.750"
11	19-0016-11	12	Bolt 3/8-16 x 2-1/4" SHCS
12	19-0016-5	2	Plug 1/2" NPT
13	19-0024-17	1	Bushing 1/2" to 1/8" NPT
14	19-0002-17	1	5 PSI Vent Plug
15	19-0029-16	1	Bearing Cone

LOWER GEARBOX (LATER MODELS)

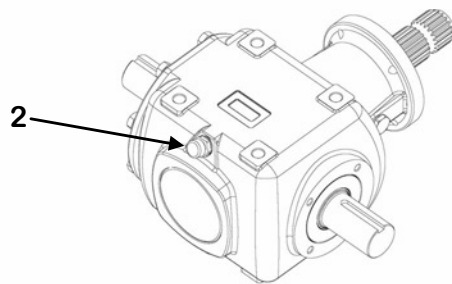
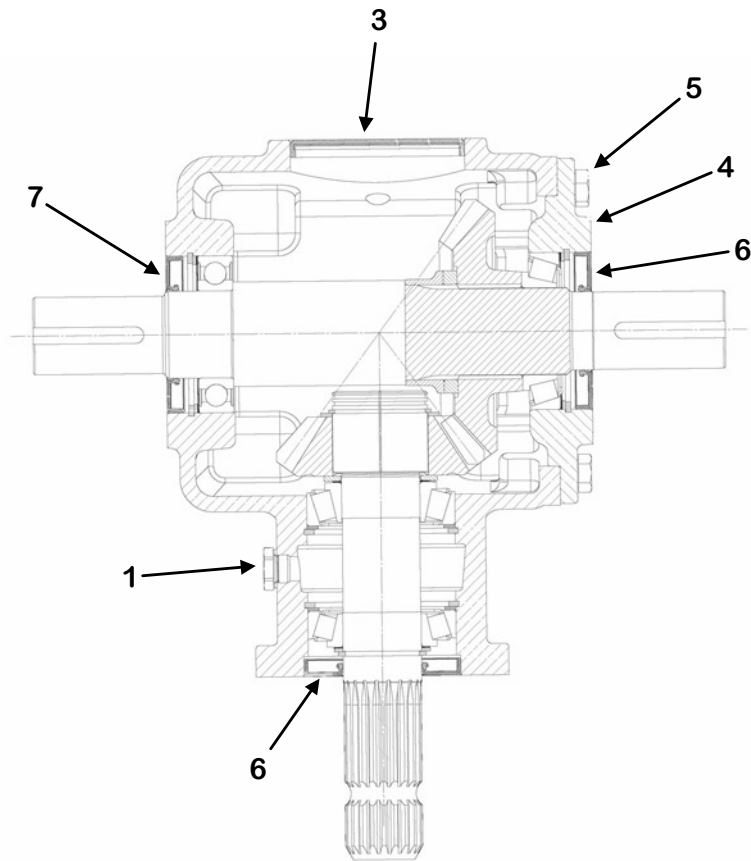
(SN 18VM(0585230, 0700212) & Later)



119-R160-1.35-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-R160-1.35-1	1	Gearbox
1	119-B-02	2	Oil Level / Drain Plug
2	119-B-03	1	Breather Plug
3	119-B-04	1	Cap
4	119-B-05	1	Top
5	119-B-06	8	M12-30 Bolt
6	119-B-18	2	Seal Ring
7	119-B-20	1	Seal Ring

UPPER GEARBOX (LATER MODELS)
(SN 18VM(0585230, 0700212) & Later)

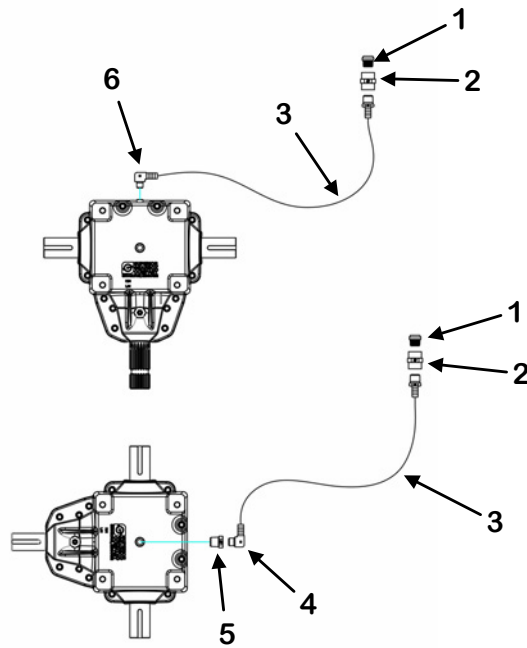


119-R160-1.35-2

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-R160-1.35-2	1	Gearbox
1	119-B-02	2	Oil Level / Drain Plug
2	119-B-03	1	Breather Plug
3	119-B-04	1	Cap
4	119-B-05	1	Top
5	119-B-06	8	M12-30 Bolt
6	119-B-18	2	Seal Ring
7	119-B-20	1	Seal Ring

FRONT ANGLED GEARBOX OIL SYSTEM (EARLY MODELS)

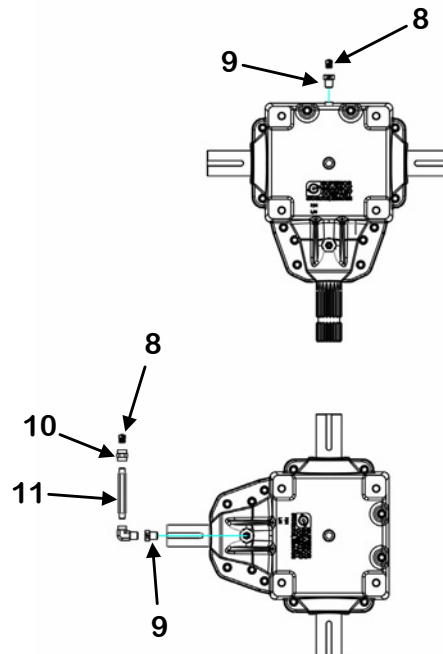
(Prior To SN 18VM0585230)



FM-TR-M-0014-1

FRONT VERTICAL GEARBOX OIL SYSTEM (EARLY MODELS)

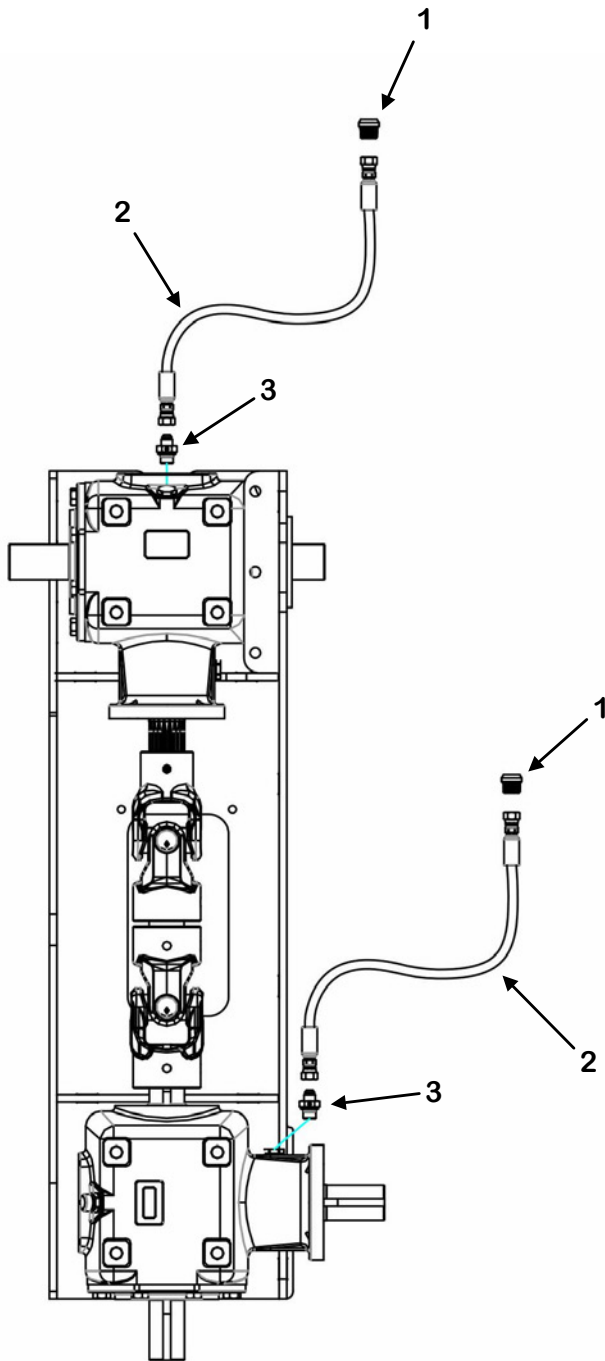
(Prior To SN 18VM0585230)



FM-TR-M-0015-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	119-2SP-GB-42	2	Breather Plug
2	155-5000-08-08	2	Straight Adapter
3	155-2231-08-32	2	1/2" x 32" Hose Assembly
4	55-0404	1	1/2" x 3/8" BRS 90° Elbow Barb
5	155-5406-08-06	1	Straight Adapter
6	55-0403	1	1/2" x 1/4" BRS 90° Elbow Barb
7	55-0410	2	1/2" x 1/2" BRS Straight Barb
8	30-0020	2	Vent Plug
9	19-0055-4-17	2	Bushing Adapter
10	30-0009	1	1/8" NPT Coupler 3/4" Long
11	30-0014	1	1/8" x 3-1/2" NPT Extension

FRONT GEARBOX OIL SYSTEM (LATER MODELS)
(SN 18VM(0585230, 0700212) & Later)

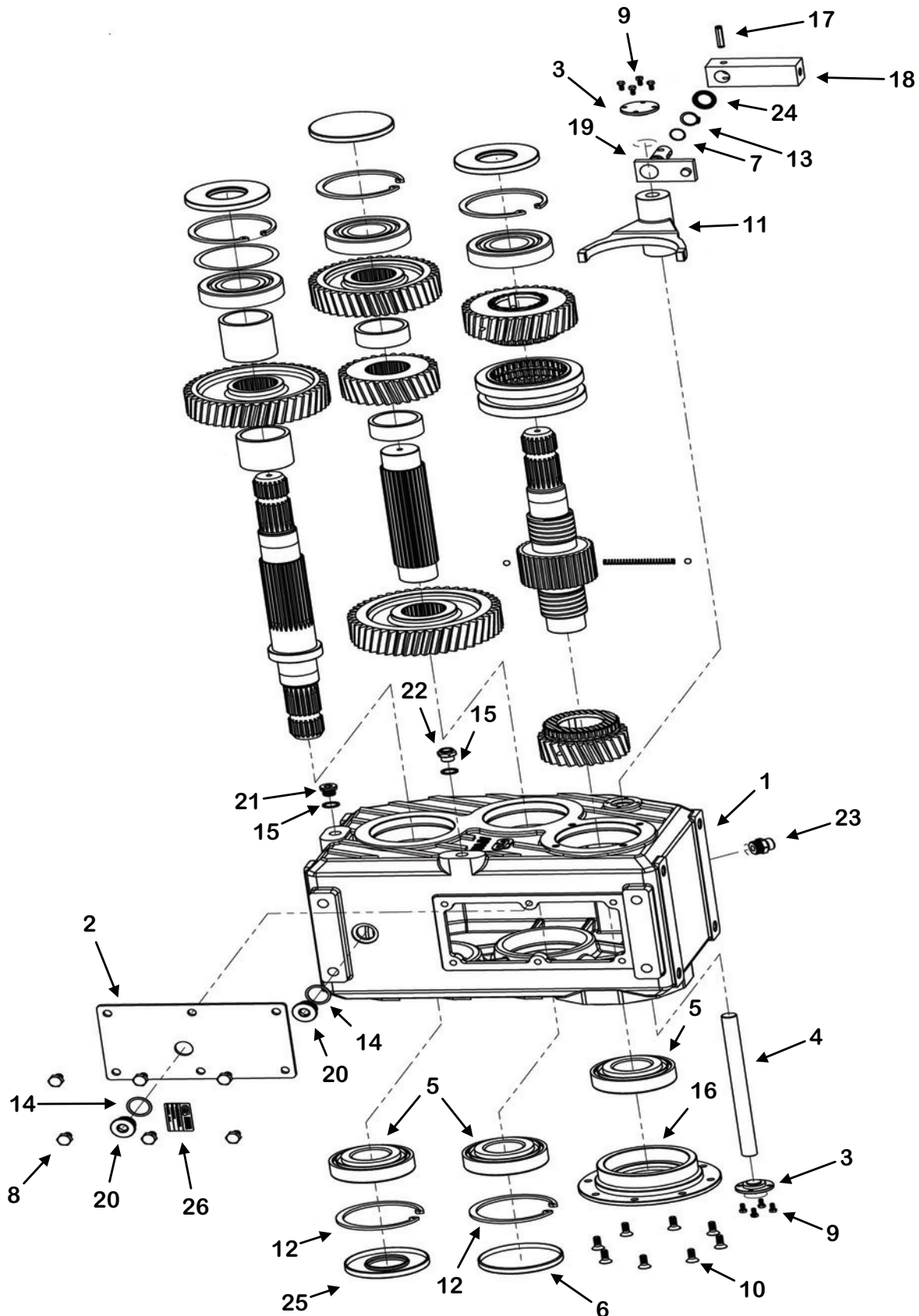


FM-TR-M-0013-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	119-B-03	2	Breather Plug
2	155-04R17-19-2	2	1/4" x 19" Hose Assembly
3	155-7005-06-16	2	Straight Adapter

STOP & SHIFT GEARBOX (EARLY MODELS)

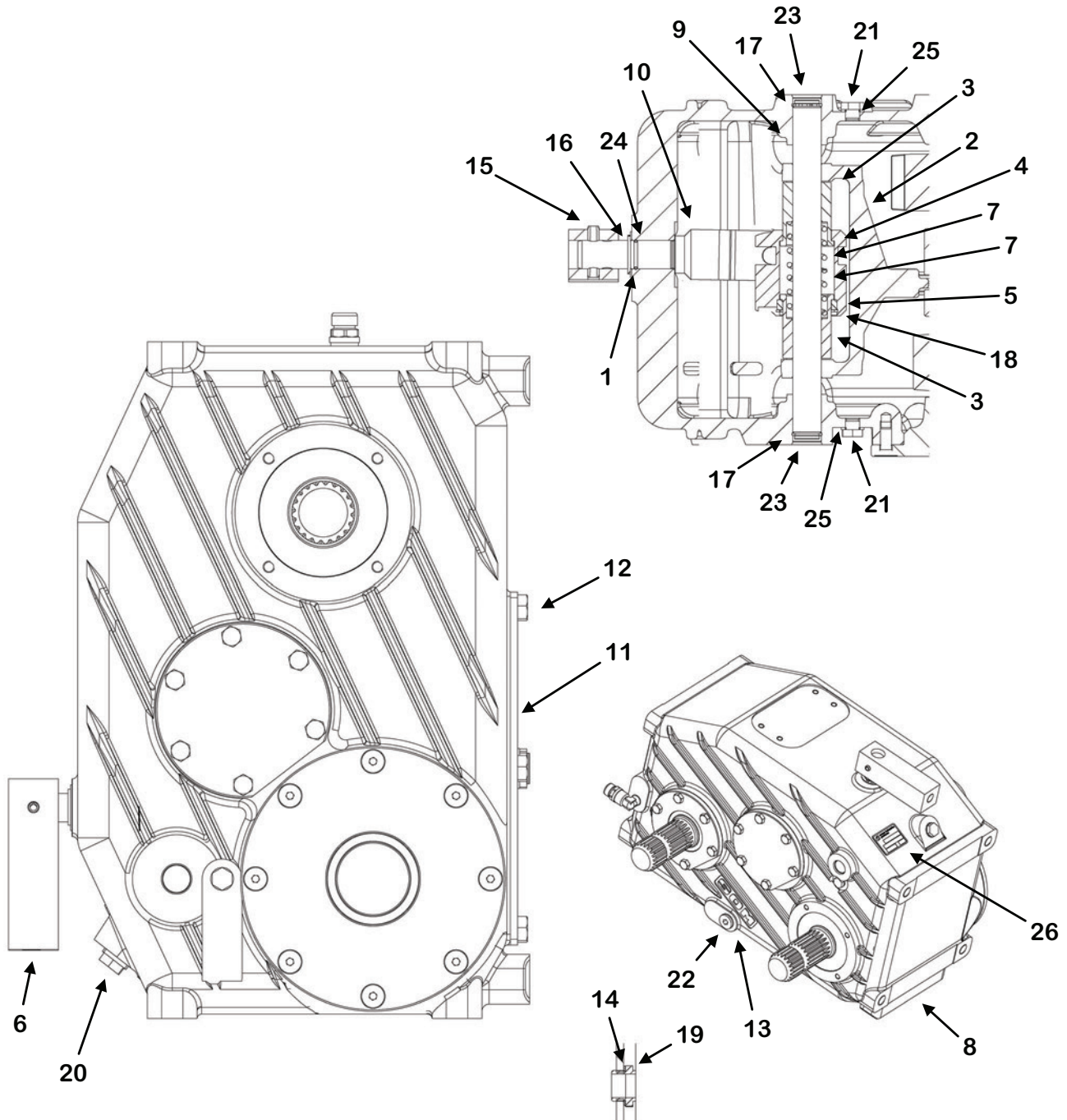
(Prior To SN 21VM(0585206, 0700204))



119-2SP-1.8-2.7-3

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-2SP-1.8-2.7-3	1	GB 2-Speed Shifting Gearbox 1.80:1/2.70:1
1	119-2SP-GB-29	1	Shell
2	119-2SP-GB-3	1	Cover
3	119-2SP-GB-30	2	Cover Plate
4	119-2SP-GB-10	1	Gear Shift Shaft
5	119-2SP-GB-66	6	Bearing
6	119-2SP-GB-67	2	Closure Cap
7	119-2SP-GB-15	1	O-Ring
8	119-2SP-GB-17	6	Hex Bolt M10*16
9	119-2SP-GB-18	8	Hex Bolt M5*10
10	119-2SP-GB-68	8	Countersink Screw
11	119-2SP-GB-69	1	Lever
12	119-2SP-GB-70	5	Snap Ring
13	119-2SP-GB-21	1	Snap Ring
14	119-2SP-GB-24	2	Copper Seal 3/4"
15	119-2SP-GB-72	2	Copper Seal 3/8"
16	119-2SP-GB-78	1	Closed Flange
17	119-2SP-GB-79	1	Elastic Pin
18	119-2SP-GB-80	1	External Lever
19	119-2SP-GB-53	1	Welded Lever
20	119-2SP-GB-39	2	Hex Socket Screws Plugs 3/4"
21	119-2SP-GB-40	1	Hex Socket Screws Plugs 3/8"
22	119-2SP-GB-41	1	Oil Level Plug 3/8"
23	119-2SP-GB-42	1	Breather Plug 1/2"
24	119-2SP-GB-43	1	Shaft Seal
25	119-2SP-GB-82	3	Shaft Seal
26	119-2SP-GB-83	1	Decal

EXTERNAL STOP & SHIFT GEARBOX (LATER MODELS) (SN 21VM(0585206, 0700204) & Later)

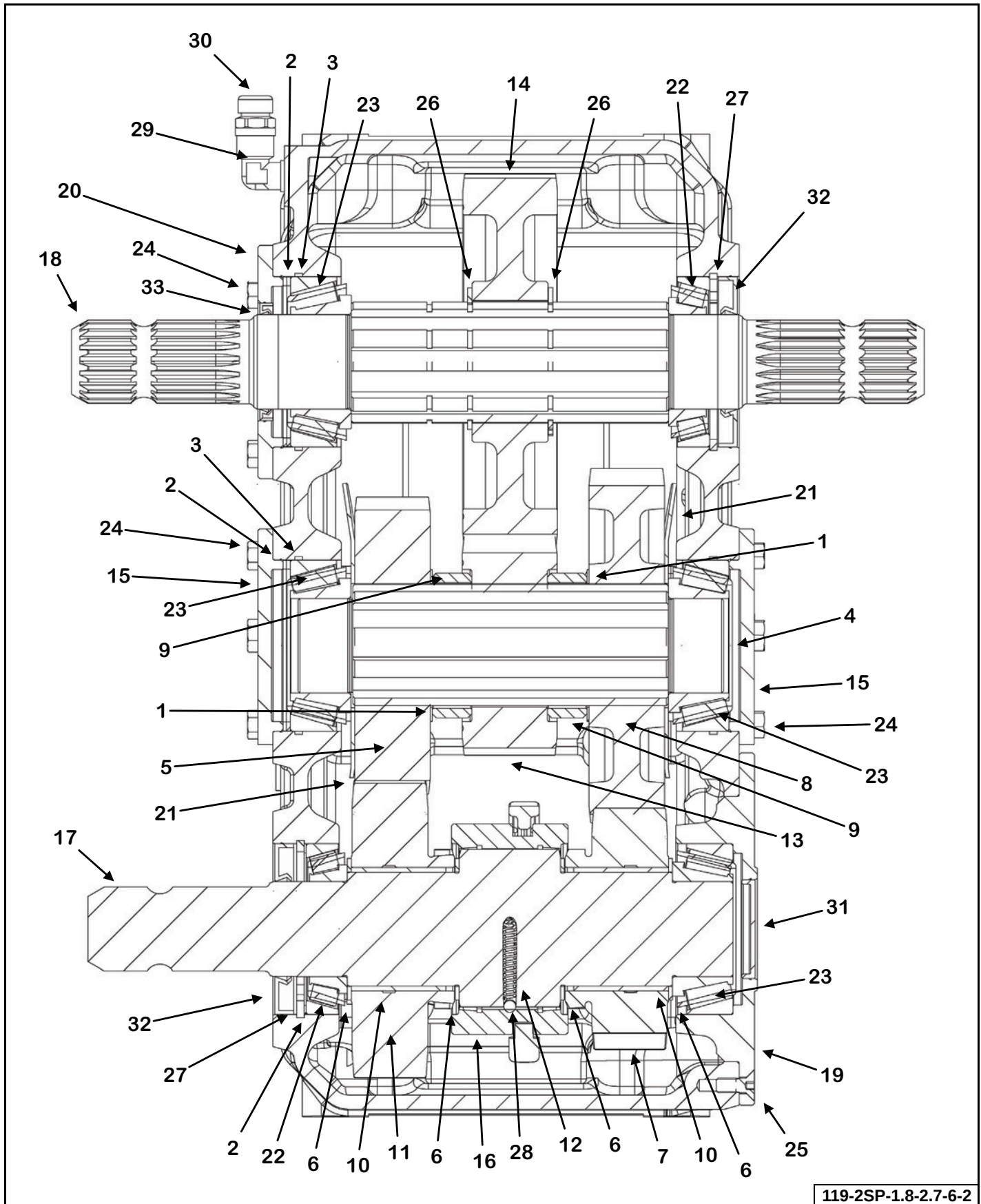


119-2SP-1.8-2.7-6-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-2SP-1.8-2.7-6K	1	Comer 2-Speed Shifting Gearbox 1.80:1/2.70:1
1	119-2SP-C-1	1	Shim Kit
2	119-2SP-C-17	1	Pivot
3	119-2SP-C-20	2	Slide Gear
4	119-2SP-C-21	1	Slide Gear
5	119-2SP-C-23	1	Spacer
6	119-2SP-C-30	1	Outer Lever
7	119-2SP-C-32	2	Spring
8	119-2SP-C-150	1	Housing
9	119-2SP-C-151	1	Gear Selector Rod
10	119-2SP-C-152	1	Inner Lever
11	119-2SP-C-106	1	Cover
12	119-2SP-C-43	6	Plug
13	119-2SP-C-111	1	Washer
14	119-2SP-C-46	1	Washer
15	119-2SP-C-48	1	Spring Pin
16	119-2SP-C-50	2	Snap Ring
17	119-2SP-C-56	2	Snap Ring
18	119-2SP-C-57	1	Snap Ring
19	119-2SP-C-116	1	Warning Light Gasket
20	119-2SP-C-117	1	Plug
21	119-2SP-C-62	2	Plug
22	119-2SP-C-118	1	Plug
23	119-2SP-C-69	2	Cap
24	119-2SP-C-74	1	O-Ring
25	119-2SP-C-77	2	Copper Washer
26	119-2SP-C-84	1	Plate

INTERNAL STOP & SHIFT GEARBOX (LATER MODELS)

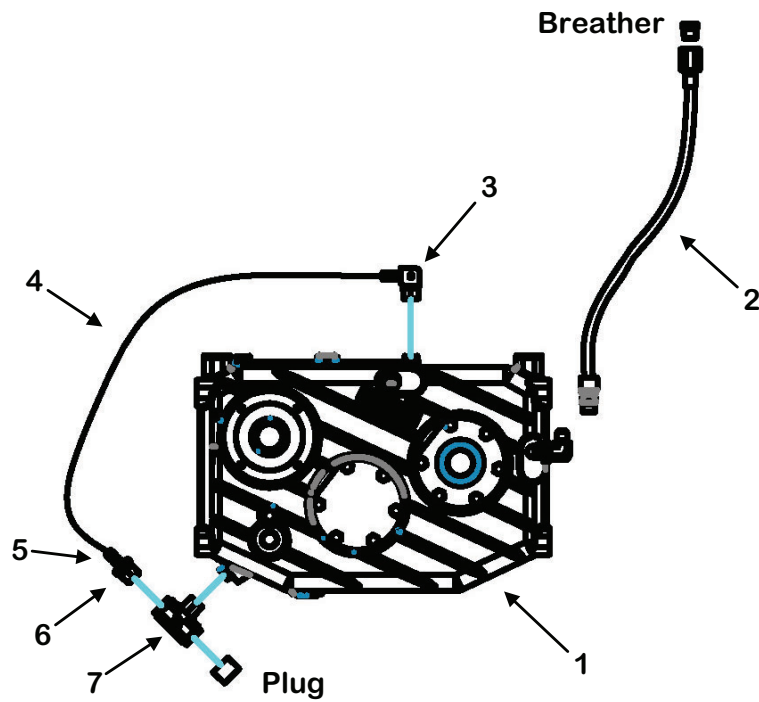
(SN 21VM(0585206, 0700204) & Later)



119-2SP-1.8-2.7-6-2

KEY	PART NUMBER	QTY	DESCRIPTION
0	See Page 122	1	Comer 2-Speed Shifting Gearbox 1.80:1/2.70:1
1	119-2SP-C-122	2	Shim
2	119-2SP-C-85	3	Shim Kit
3	119-2SP-C-86	2	Shim
4	119-2SP-C-88	1	Middle Shaft
5	119-2SP-C-124	1	Gear
6	119-2SP-C-91	4	Thrust Washer
7	119-2SP-C-94	1	Gear
8	119-2SP-C-95	1	Crown Wheel
9	119-2SP-C-126	2	Spacer
10	119-2SP-C-97	2	Bushing
11	119-2SP-C-98	1	Gear
12	119-2SP-C-101	2	Spring
13	119-2SP-C-147	1	Crown Wheel
14	119-2SP-C-148	1	Crown Wheel
15	119-2SP-C-102	2	Cover
16	119-2SP-C-149	1	Slide Gear
17	119-2SP-C-153	1	Shaft
18	119-2SP-C-154	1	Shaft
19	119-2SP-C-155	1	Cover
20	119-2SP-C-156	1	Cover
21	119-2SP-C-105	2	Lubricating Sheet
22	119-2SP-C-107	2	Bearing
23	119-2SP-C-108	4	Bearing
24	119-2SP-C-110	18	Plug
25	119-2SP-C-157	8	Plug
26	119-2SP-C-112	2	Snap Ring Shaft
27	119-2SP-C-113	2	Snap Ring Hole
28	119-2SP-C-114	2	Ball
29	119-2SP-C-115	1	90 Elbow
30	119-2SP-C-119	1	Breather Plug
31	119-2SP-C-158	1	Cap
32	119-2SP-C-120	2	Double Lip Seal
33	119-2SP-C-159	1	Oil Seal

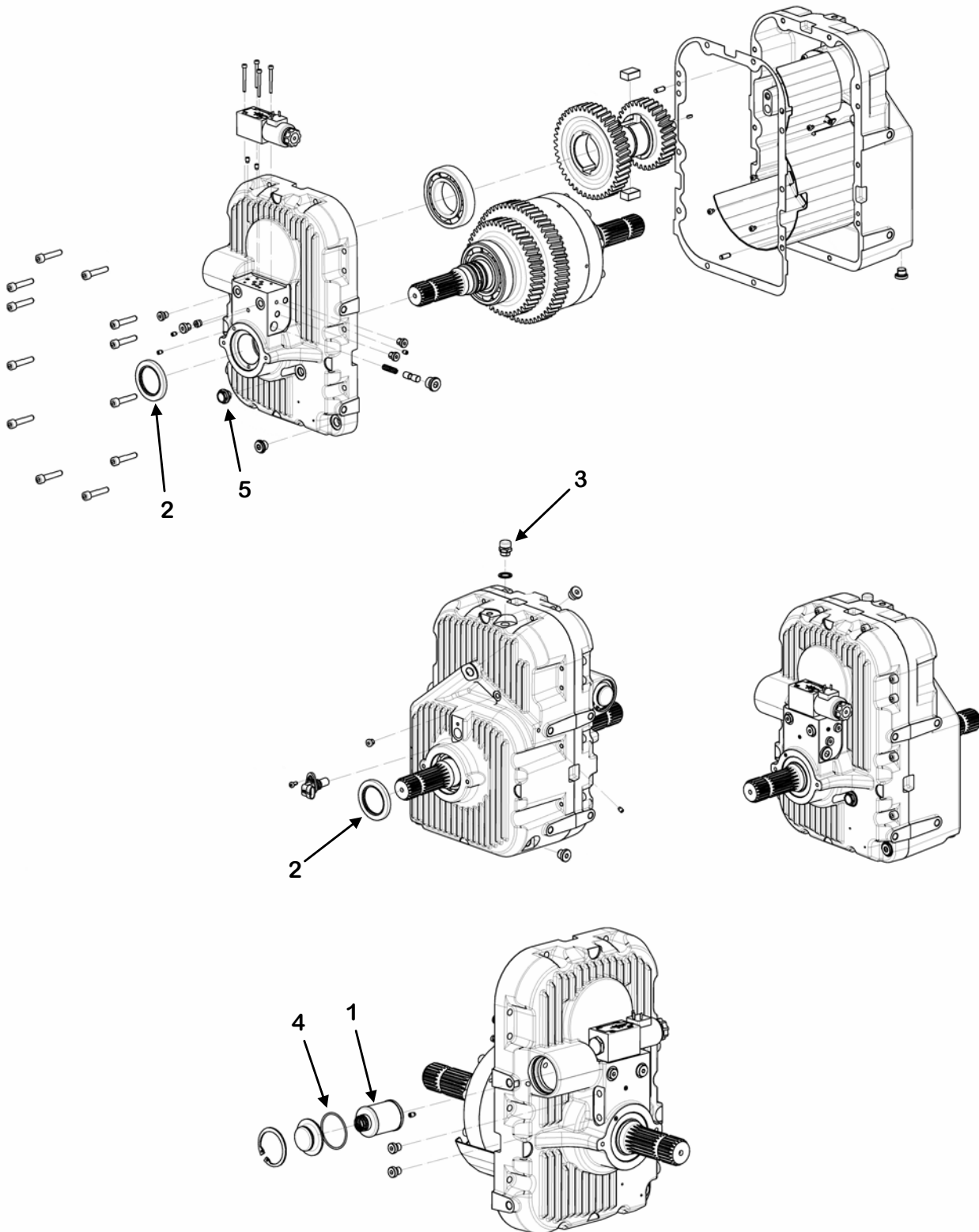
STOP & SHIFT GEARBOX OIL SYSTEM
(SN 21VM(0585206, 0700204) & Later)



FM-TR-M-0012-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	119-2SP-1.8-2.7-6	1	2-Speed Shifting Gearbox
2	155-04-52-4	1	1/4" x 52" Hose Assembly
3	55-0401	1	#06 MP, #06 Barb 90° Elbow Barb
4	155-PV86-16	1	3/8" x 16" Clear Hose
5	32-0044	2	3/8" Hose Clamp
6	55-0412	1	#08 MP, #06 Barb Straight Adapter
7	155-5604-08-08-08	1	#08 FP, #08 FP, #08 MP, T-Adapter

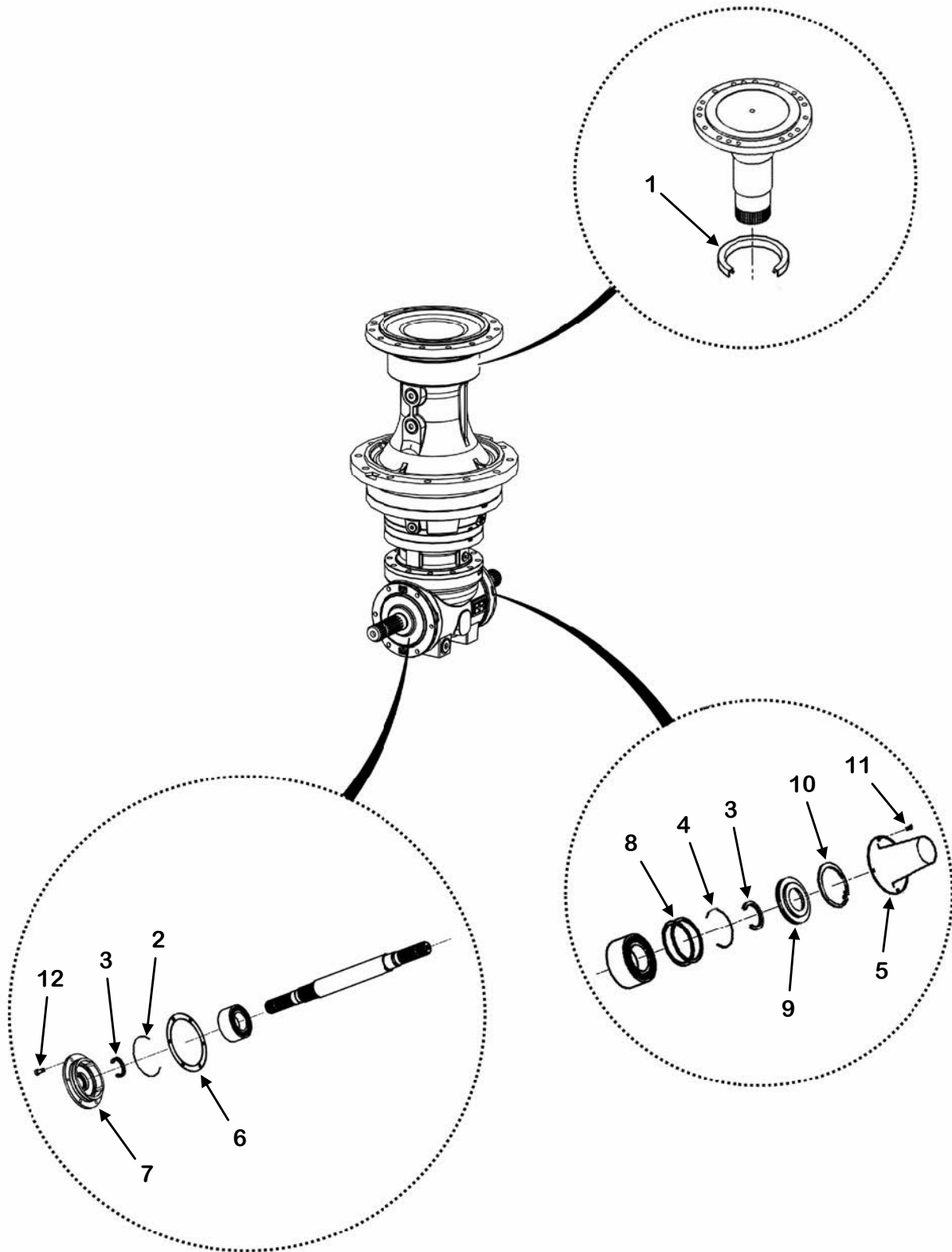
POWER SHIFT TRANSMISSION



119-2SP-1.0-1.77-2

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-2SP-1.0-1.77-2	1	Zuidberg 2-Speed Automatic Transmission
1	119-Z-01	1	Filter Housing With Filter Element
	119-Z-26-1	1	Filter Element Only
2	119-Z-33	2	Oil Seal
3	119-Z-32	1	Breather Plug Valve
4	119-Z-29	1	O-Ring
5	119-Z-25	1	Oil Level Sight Glass

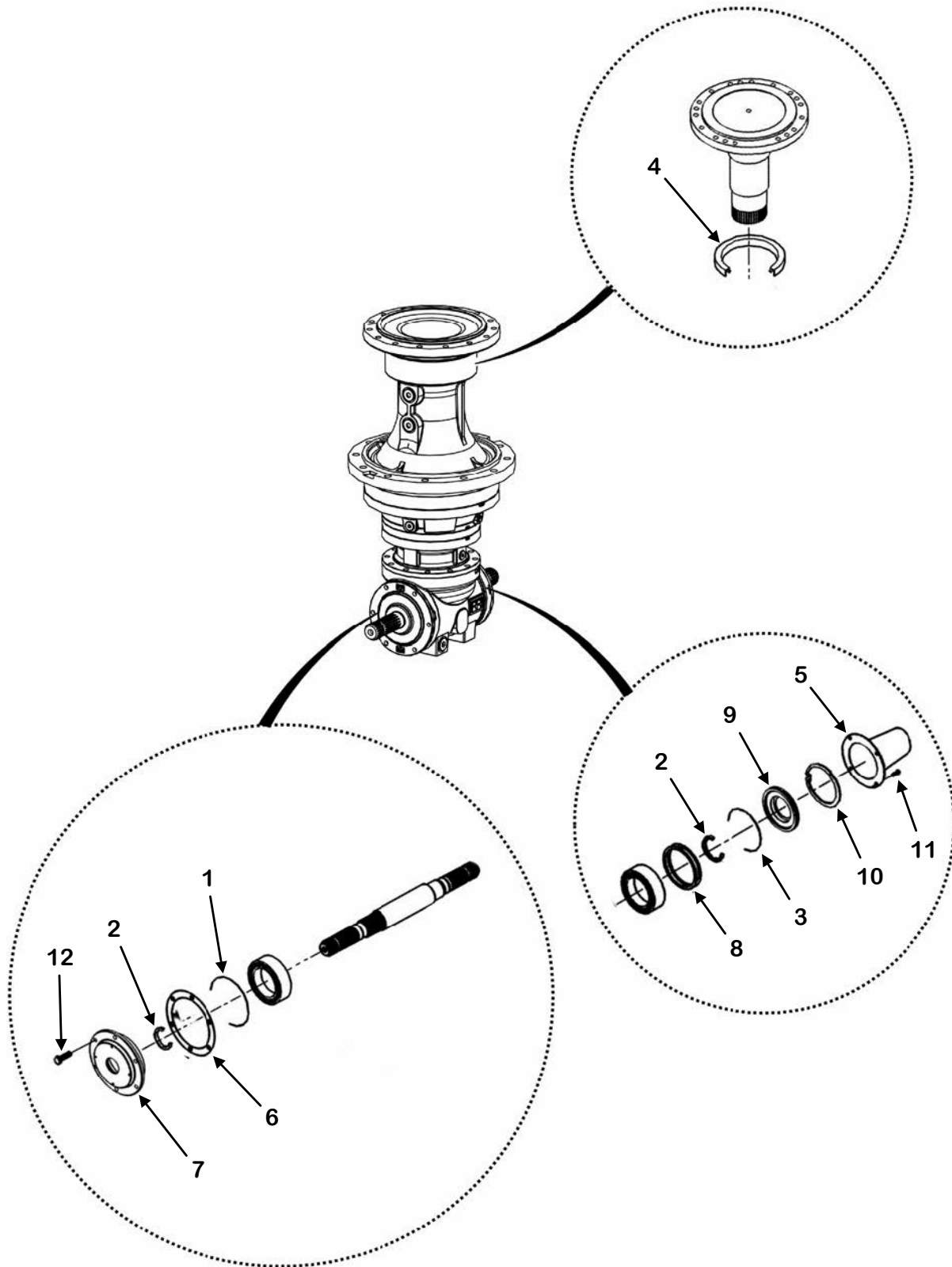
1800 SERIES PLANETARY
MODELS: Stop & Shift



119-18-13.92-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-18-13.92-1	2	1800 Series Planetary Gearbox
1	119-P-RR-1	1	Oil Seal
2	119-P-RR-5	1	O-Ring
3	119-P-RR-6	2	Oil Seal
4	119-P-RR-7	1	O-Ring
5	119-P-RR-13	1	Shaft Protection Shield
6	119-P-RR-14	2	Thickness Kit
7	119-P-RR-15	1	Cover
8	119-P-RR-16	2	Thickness Kit
9	119-P-RR-17	1	Cover
10	119-P-RR-18	1	Snap Ring
11	851-M5-.8-10-YZ	4	Cap Screw
12	851-M10-1.5-25-Z	6	Machine Bolt

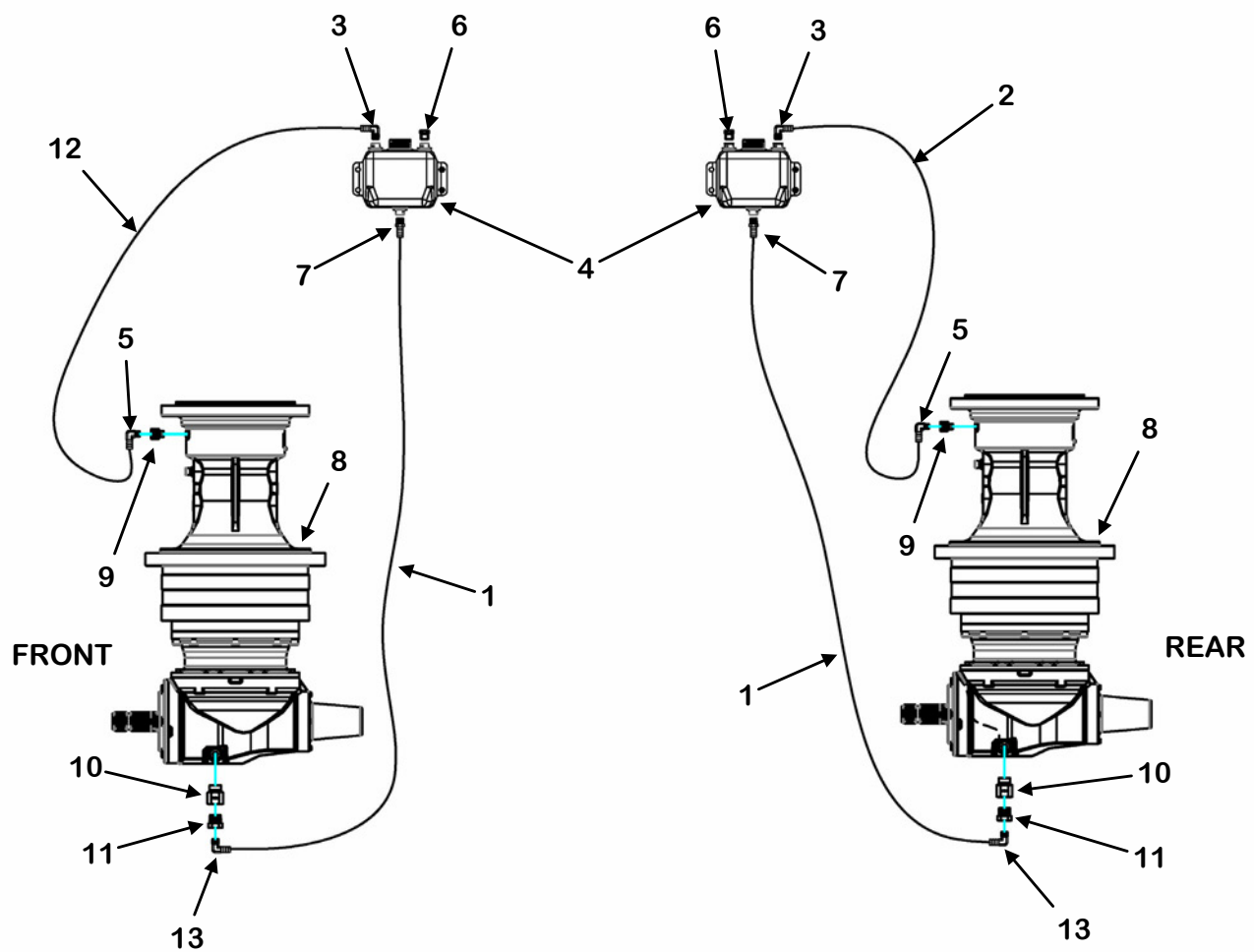
2100 SERIES PLANETARY
MODELS: Power Shift



119-21-25.67-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-21-25.67-1	2	2100 Series Planetary Gearbox
1	119-P-RR-5	1	O-Ring
2	119-P-RR-6	2	Oil Seal
3	119-P-RR-7	1	O-Ring
4	119-P-RR-1	1	Oil Seal
5	119-P-RR-13	1	Shaft Protection Shield
6	119-P-RR-14	1	Thickness Kit
7	119-P-RR-15	1	Cover
8	119-P-RR-16	2	Thickness Kit
9	119-P-RR-17	1	Cover
10	119-P-RR-18	1	Snap Ring
11	851-M5-.8-10-YZ	4	Cap Screw
12	851-M10-1.5-25-Z	6	Machine Bolt

PLANETARY GEARBOX OIL SYSTEM



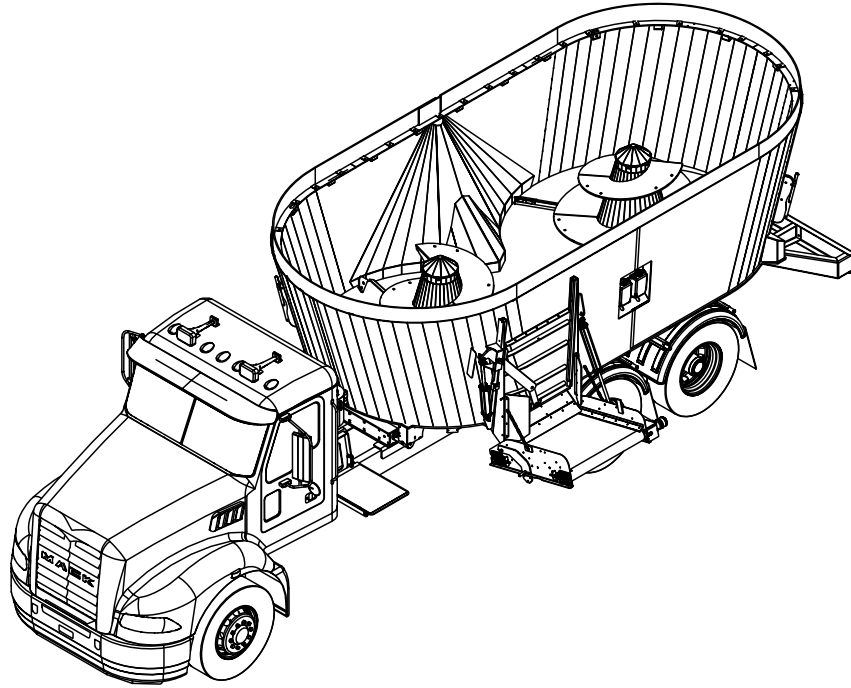
Use #48-0081 Synthetic
ISO220 or Equivalent For
Planetary Gearboxes.

FM-TR-M-0011-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	155-2231-08-108	2	1/2" x 108" Push On Hose	585/700
2	155-2231-08-121	1	1/2" x 121" Push On Hose	585/700
3	55-0404	2	1/2" x 3/8" BRS 90° Elbow Barb	585/700
4	952-0003	2	2 QT Plastic Tank With Vented Cap	585/700
5	55-0403	2	1/2" x 1/4" NPT 90° Elbow Barb	585/700
6	55-0307	2	Breather Vent 3/8" Pipe x 11/16" Hex 150 PSI	585/700
7	55-0405	2	1/2" x 3/8" BRS MA Barb Hose	585/700
8	See Page 130	2	1800 Planetary Gearbox 13.92:1 Ratio 1.75-20 SPL (Stop & Shift)	585/700
	See Page 132	2	2100 Planetary Gearbox 25.67:1 Ratio 1.75-20 SPL (Power Shift)	585/700
9	155-PB4-4	2	#04NPT FEMx04BSPP Adapter With BSP Bonded Seal	585/700
10	155-PB12-12	2	#12NPT FEMx12BSPP Adapter W/BSP Bonded Seal	585/700
11	155-5406-12-6	2	12MP-06FP Pipe Reducer Bushing 3/4"-3/8" (Stop & Shift)	585/700
	55-0044	2	12MP-08FP Straight Adapter (Power Shift)	585/700
12	155-2231-08-130	1	1/2" x 130" Push On Hose	585/700
13	55-0404	2	1/2" x 3/8" BRS 90° Elbow Barb (Stop & Shift)	585/700
	55-0406	2	1/2" x 1/2" BRS 90° Elbow Barb (Power Shift)	585/700



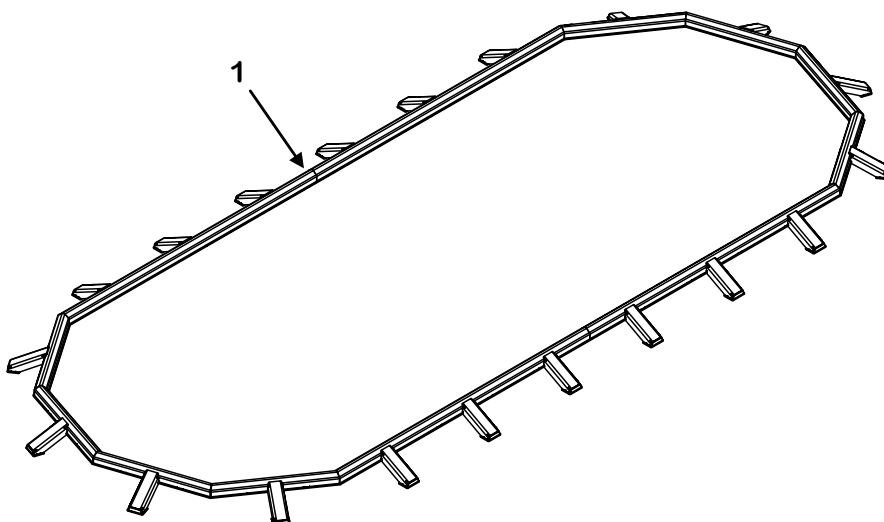
10.0 OPTIONAL PARTS



FM-VTP-0022-2

KEY	DESCRIPTION	PAGE #
1	HAY RETAINING RING	138
2	8" CAPACITY EXTENSION	139
3	TIP OFF FRONT INCLINE DISCHARGE (CHAIN ONLY) & SIDE DISCHARGE	140
4	SIDE DISCHARGE SLIDE TRAY	141
5	SLIDE TRAY HYDRAULIC SCHEMATIC	142
6	KICKER MAGNET	143
7	REMOTE SCALE MOUNT	144
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9	CONVEYOR HANGING MAGNET & WEIGHT ASSEMBLY	148
10	CONVEYOR DEFLECTOR ASSEMBLY	148
11	POWER MAGNET	150
12	POLY FENDER KIT	152

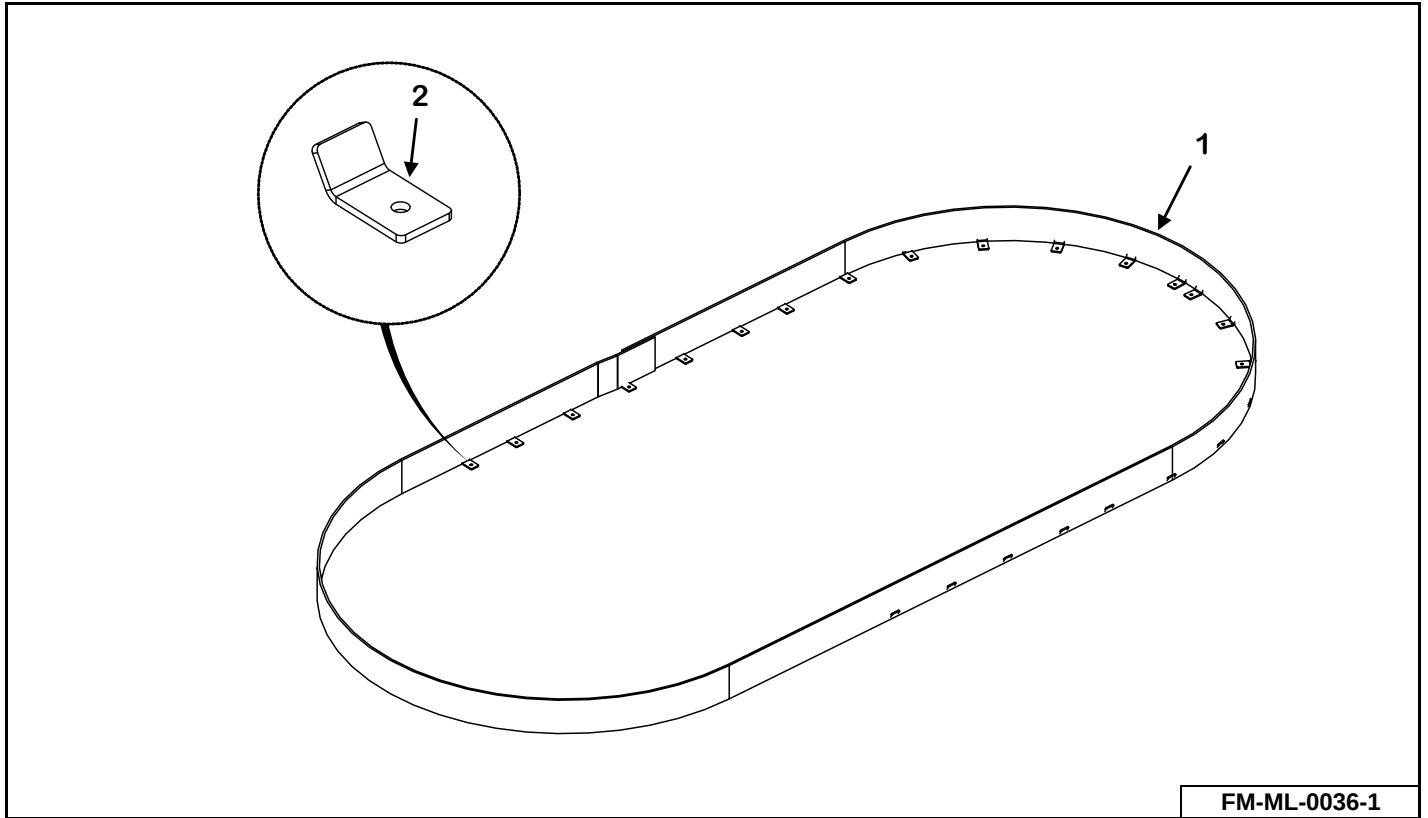
HAY RETAINING RING



FM-ML-0035-1

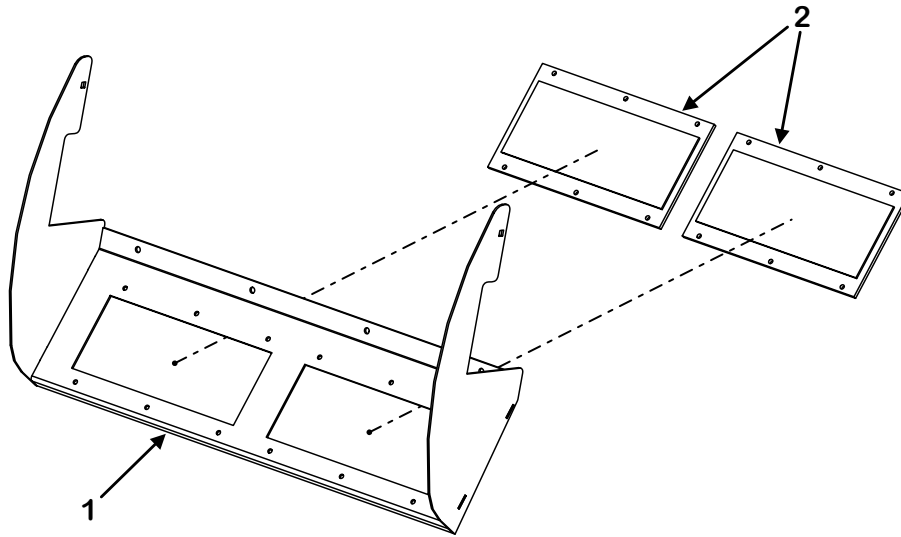
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M4-1-5-0002	1	Hay Retention Ring End Weldment	585
	M4-1-7-0003	1	Hay Retention Ring End Weldment	700
NS	851-5013-1.5Z	AR	1/2"-13 x 1 1/4" Bolt	All Models
NS	805-0050-Z	AR	1/2" Flat Washer	All Models
NS	810-5013-Z	AR	1/2" Spin Lock Nut	All Models

8" CAPACITY EXTENSION



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VA-0585-CE-8	1	8" Capacity Extension Assembly	585
	VA-0700-CE-8	1	8" Capacity Extension Assembly	700
1	M11-5-0001	1	8" Capacity Extension .453" x 8" x 45 FT	585
	M11-7-0001	1	8" Capacity Extension .453" x 8" x 46 FT	700
	805-0038-Z	4	3/8" Flat Washer	All Models
	815-3816-Z	2	3/8"-16 Nylon Insert Lock Nut	All Models
	851-3816-1.25Z	2	3/8"-16 x 1-1/4" Grade 5 Machine Bolt	All Models
2	M4-1-8-0006	38	Belt Extension Mounts	All Models
	805-0050-Z	38	1/2" Flat Washer	All Models
	814-5013-Z	38	1/2"-13 Indented Lock Nut	All Models
	851-5013-1.5Z	38	1/2"-13 x 1-1/2" Grade 5 Machine Bolt	All Models

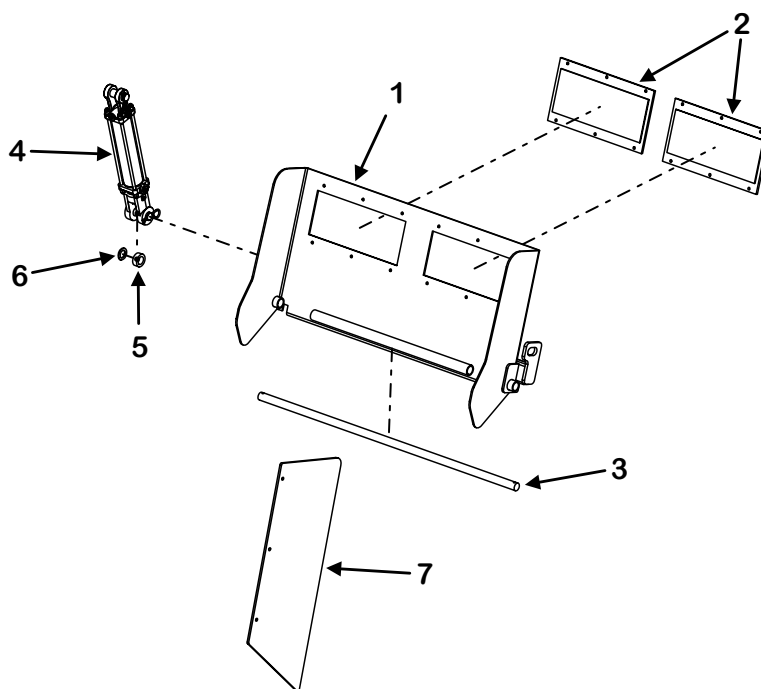
TIP OFF FRONT INCLINE DISCHARGE (CHAIN ONLY) & SIDE DISCHARGE



FM-ML-0037-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-7-0015	1	Front Incline Discharge Tip Off Weldment	All Front Models
	M3-1-12-0005	1	Side Discharge Conveyor Tip Off Weldment	All Side Models
	810-3816-Z	8	3/8" Spin Lock Nut	All Models
	851-3816-.75Z	6	3/8-16 x 3/4" Bolt	All Models
	850-3816-.75Z	2	3/8-16 x 3/4" Bolt	All Models
2	M11-1-0004	2	15" Discharge Magnet	All Front Models
	M11-1-0009	2	18.5" Discharge Magnet	All Side Models
	802T-3118-.75Z	12	5/16-18 x 3/4" Truss Head Machine Screw	All Front Models
	802T-3118-.75Z	16	5/16-18 x 3/4" Truss Head Machine Screw	All Side Models
	810-3118-Z	12	5/16-18 Spin Lock Nut	All Front Models
	810-3118-Z	16	5/16-18 Spin Lock Nut	All Side Models

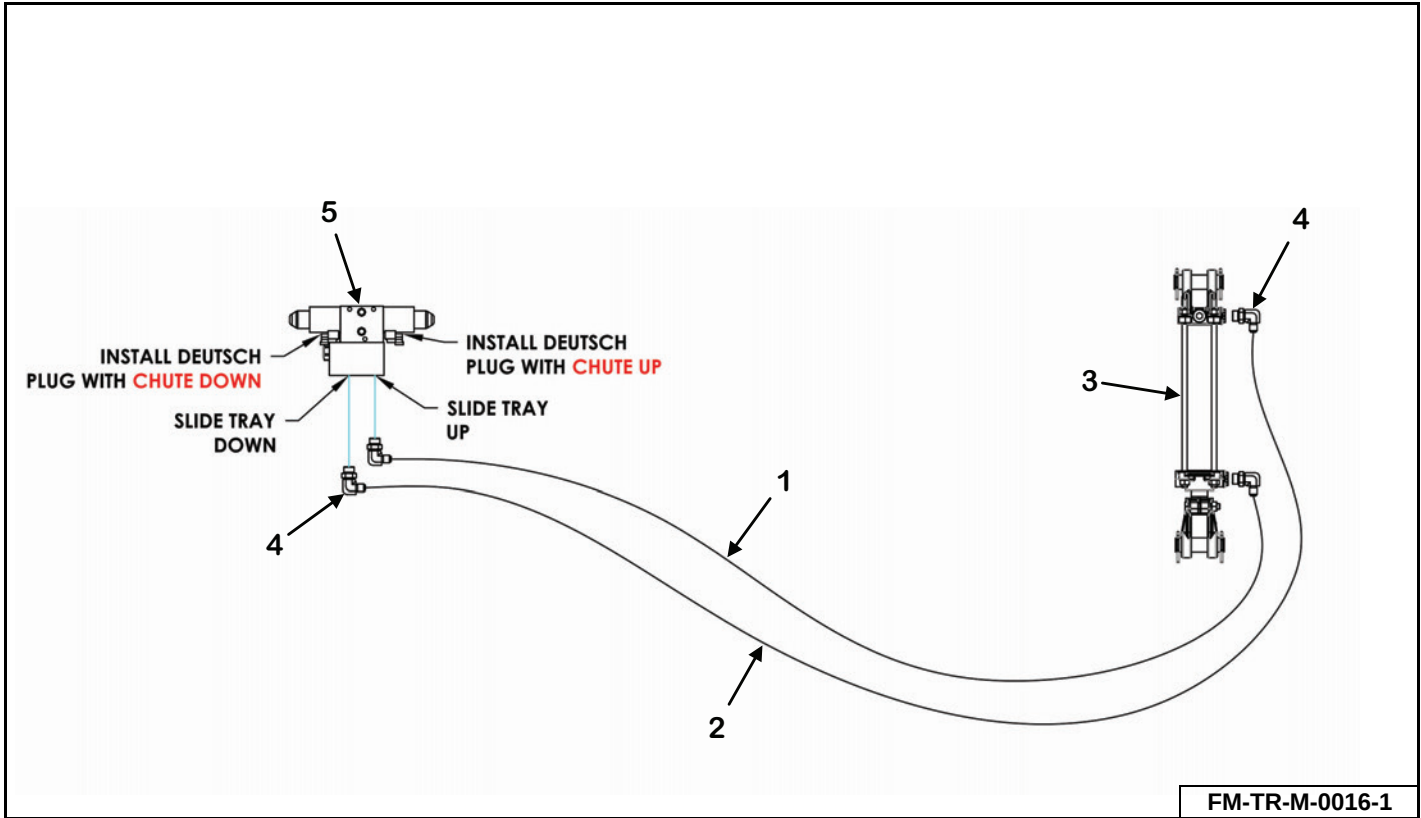
SIDE DISCHARGE SLIDE TRAY



FM-ML-0038-1

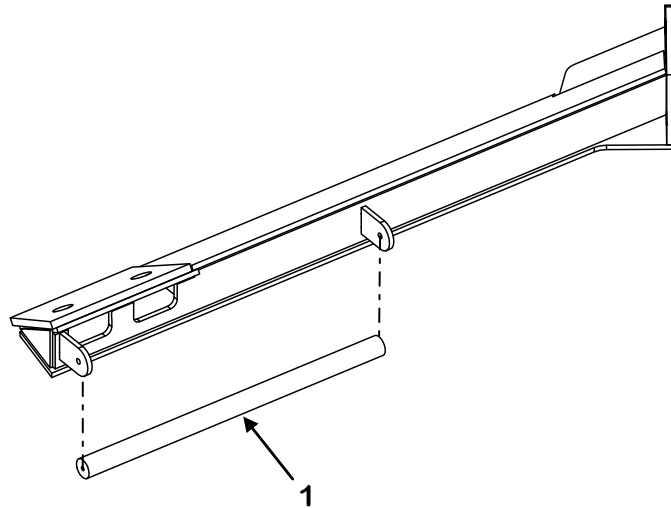
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-12-0006	1	42" Slide Tray Weldment With Magnet Cutouts	All Models
	M3-1-12-0022-1	1	42" Slide Tray Weldment Without Magnet Cutouts	All Models
	M3-1-12-0022	1	42" Slide Tray Weldment Without Magnet Cutouts (Includes Item 3)	All Models
2	M11-1-0009	2	18-1/2" Discharge Magnet	All Models
	802T-3118-.75Z	16	5/16"-18 x 3/4" Screw	All Models
	810-3118-Z	16	5/16"-18 Spin Lock Nut	All Models
3	M3-1-12-0008	1	Chute Pivot Rod 1" x 47-3/4"	All Models
4	155-2-8-1.125-1	1	2" x 8" x 1-1/8" Hydraulic Cylinder #8 SAE Ports	All Models
5	33-0309	1	Cylinder Pin Spacer	All Models
6	808-1-1.5-10-Z	1	10GA 1" ID x 1-1/2" OD MB	All Models
7	M3-1-4-0044	1	Slide Tray Deflector Belting	All Models
	805-0038-Z	3	3/8" Flat Washer	All Models
	815-3816-Z	3	3/8"-16 Nylon Insert Lock Nut	All Models
	850-3816-1Z	3	3/8"-16 x 1" Bolt	All Models

SLIDE TRAY HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	155-04R17-134-1	1	1/4" x 134" Hose Assembly	585/700
2	155-04R17-144-1	1	1/4" x 144" Hose Assembly	585/700
3	155-2-8-1.125-1	1	2" x 8" x 1-1/8" Hydraulic Cylinder	585/700
4	155-6801-6-8	4	#6 JIC Male, #8 ORB Male Adjustable 90°	585/700
5	155-M-0002	1	Valve Bank Section W/ PO Check	585/700

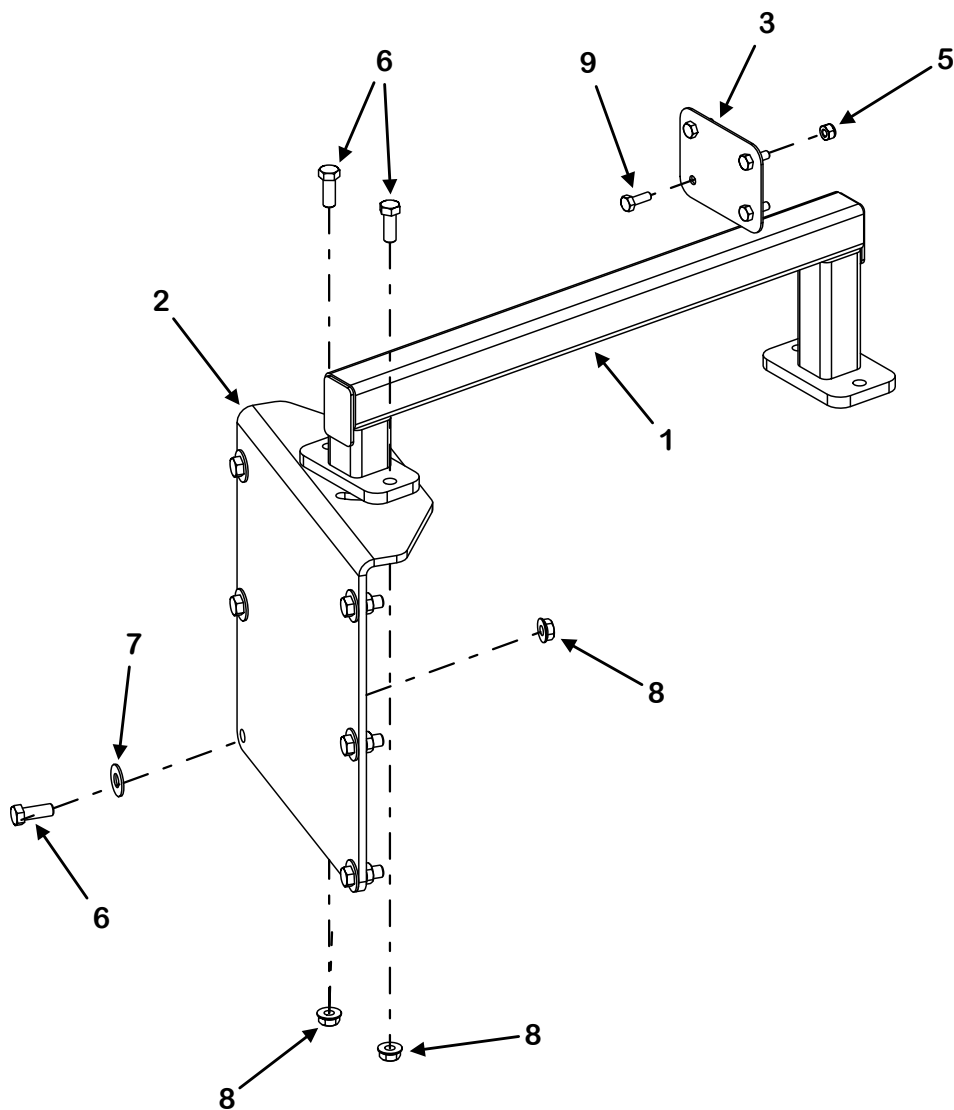
KICKER MAGNET



FM-ML-0057-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAM-AKM-K	2	Kicker Weldment With Magnet Kit	All Models
1	VAM-AKM-K	2	Kicker Weldment With Magnet Kit (Prior to 2021 Model Year)	585/700
	M3-1-8-0020-4	AR	Kicker Magnet (2021 Model Year & Later)	All Models
	851-2520-.75Z	2 per	1/4"-20 x 3/4" Hex Cap Screw	All Models
	822-0025-Z	2 per	1/4" Split Lock Washer	All Models

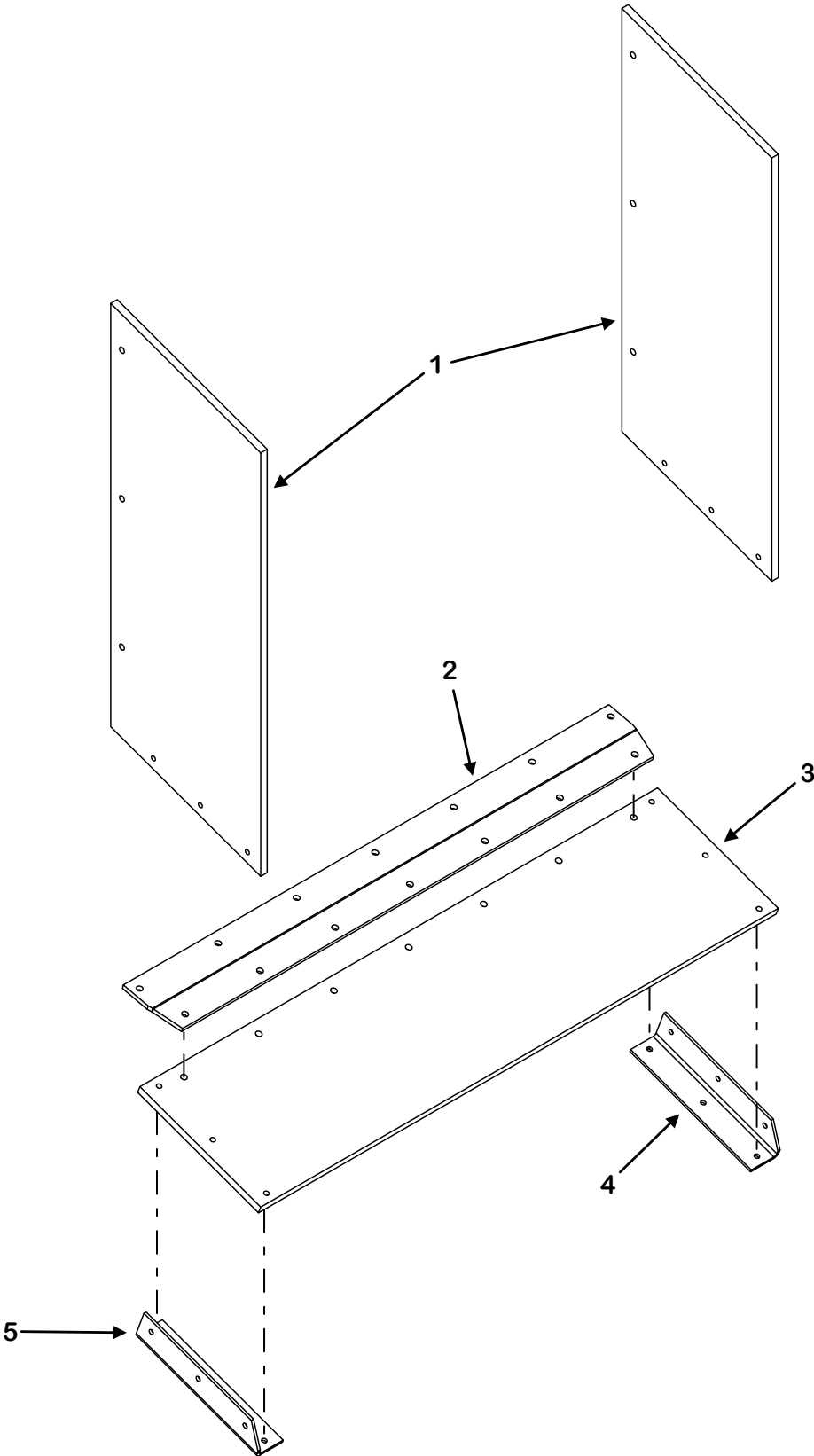
REMOTE SCALE MOUNT



FM-ML-0043-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VMSCM-405180	1	Remote Display Kit RD400 With TR Kit & 33' Cable/Visor	All Models
	VMSCM-405200	1	Remote Display Kit RD400 With 33' Cable/Visor	All Models
	VMSCM-407227	1	Remote Display Kit RD250 With 25' Cable	All Models
1	M9-1-10-0001	1	Remote Scale Mount Bracket Weldment	All Models
2	M9-1-10-0002	1	Remote Scale Mount Bracket	All Models
3	M9-1-10-0003	1	Remote Scale Mount Belt Gusset	All Models
4	58-0010-405180	1	RD4000 Remote Display Kit W/TR-33' Cable/Visor	All Models
	58-0010-405200	1	RD4000 Remote Display Kit W/33' Cable/Visor	All Models
5	815-2520-Z	4	1/4"-20 Nylon Insert Lock Nut	All Models
6	851-3816-1Z	8	3/8"-16 x 1" Grade 5 Machine Bolt	All Models
7	805-0038-Z	6	3/8" Flat Washer	All Models
8	810-3816-Z	8	3/8" Spin Lock Nut	All Models
9	851-2520-.75Z	4	1/4"-20 x 3/4" Grade 5 Machine Bolt	All Models
NS	58-0010-1	1	Remote Cable, Y-Harness For Dual Remote	All Models (Optional)

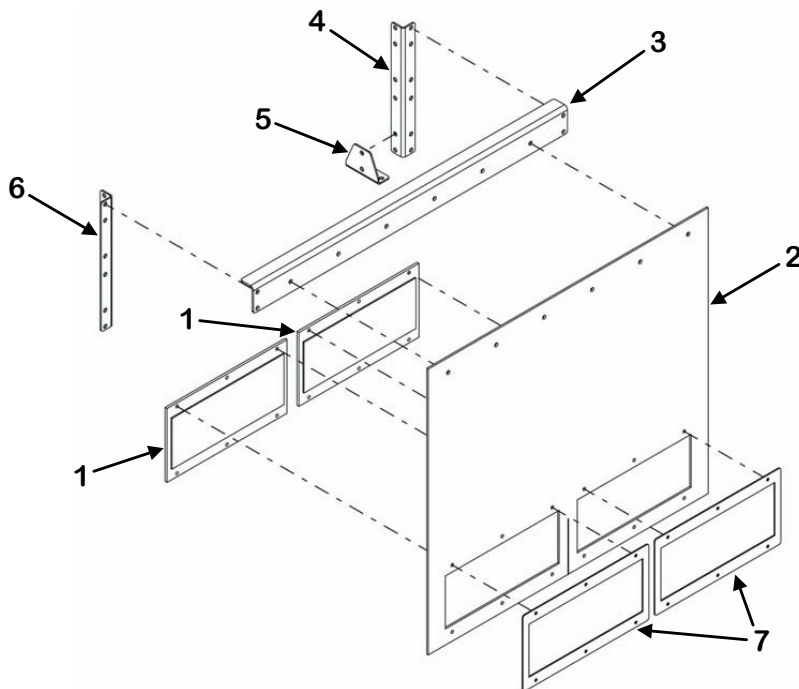
RUBBER SIDE DOOR CHUTE ASSEMBLY



FM-ML-0040-1

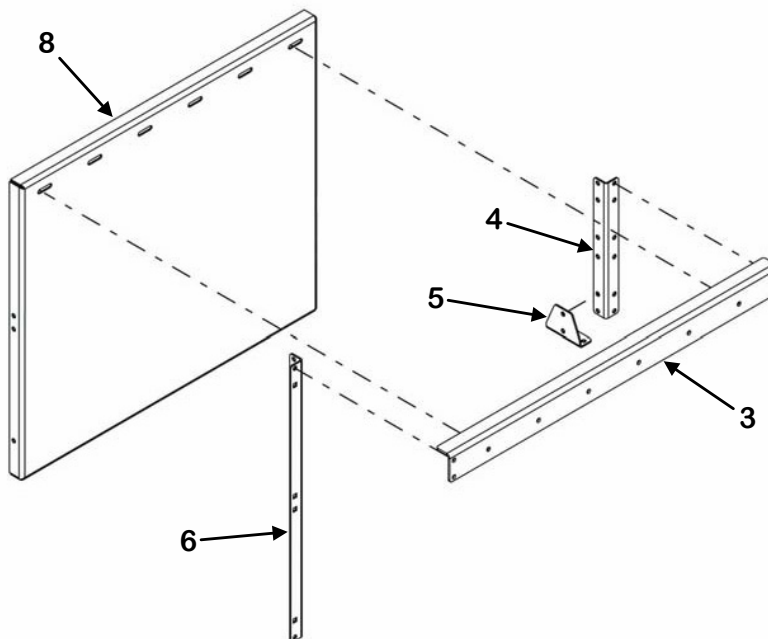
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-SDBC-12	1	12" Side Door Belt Chute	All Models
	VAML-SDBC-18	1	18" Side Door Belt Chute	All Models
1	M11-5-0002-2	2	Chute Side Belt (12" Belt Chute)	All Models
	M11-5-0002-2-18	2	Chute Side Belt (18" Belt Chute)	All Models
2	M11-5-0002-5	1	Side Door Belt Chute Mount	All Models
3	M11-5-0002-1	1	Chute Bottom Belt (12" Belt Chute)	All Models
	M11-5-0002-1-18	1	Chute Bottom Belt (18" Belt Chute)	All Models
4	M11-5-0002-4	1	Chute Corner Right Side Bracket (Facing Door) (12" Belt Chute)	All Models
	M11-5-0002-4-18	1	Chute Corner Right Side Bracket (Facing Door) (18" Belt Chute)	All Models
5	M11-5-0002-3	1	Chute Corner Left Side Bracket (Facing Door) (12" Belt Chute)	All Models
	M11-5-0002-3-18	1	Chute Corner Right Side Bracket (Facing Door) (18" Belt Chute)	All Models
NS	802T-2520-1Z	12	1/4"-20 x 1" Truss Head Machine Screw (12" Belt Chute)	All Models
	802T-2520-1Z	20	1/4"-20 x 1" Truss Head Machine Screw (18" Belt Chute)	All Models
NS	802T-3118-1.25Z	20	5/16"-18 x 1-1/4" Truss Head Machine Screw	All Models
NS	805-0025-Z	12	1/4" Flat Washer (12" Belt Chute)	All Models
	805-0025-Z	20	1/4" Flat Washer (18" Belt Chute)	All Models
NS	805-0031-Z	13	5/16" Flat Washer	All Models
NS	810-3118-Z	7	5/16"-18 Spin Lock Nut	All Models
NS	815-2520-Z	12	1/4"-20 Nylon Insert Lock Nut (12" Belt Chute)	All Models
	815-2520-Z	20	1/4"-20 Nylon Insert Lock Nut (18" Belt Chute)	All Models
NS	815-3118-Z	13	5/16"-18 Nylon Insert Lock Nut	All Models

CONVEYOR HANGING MAGNET & WEIGHT ASSEMBLY



FM-ML-0044-1

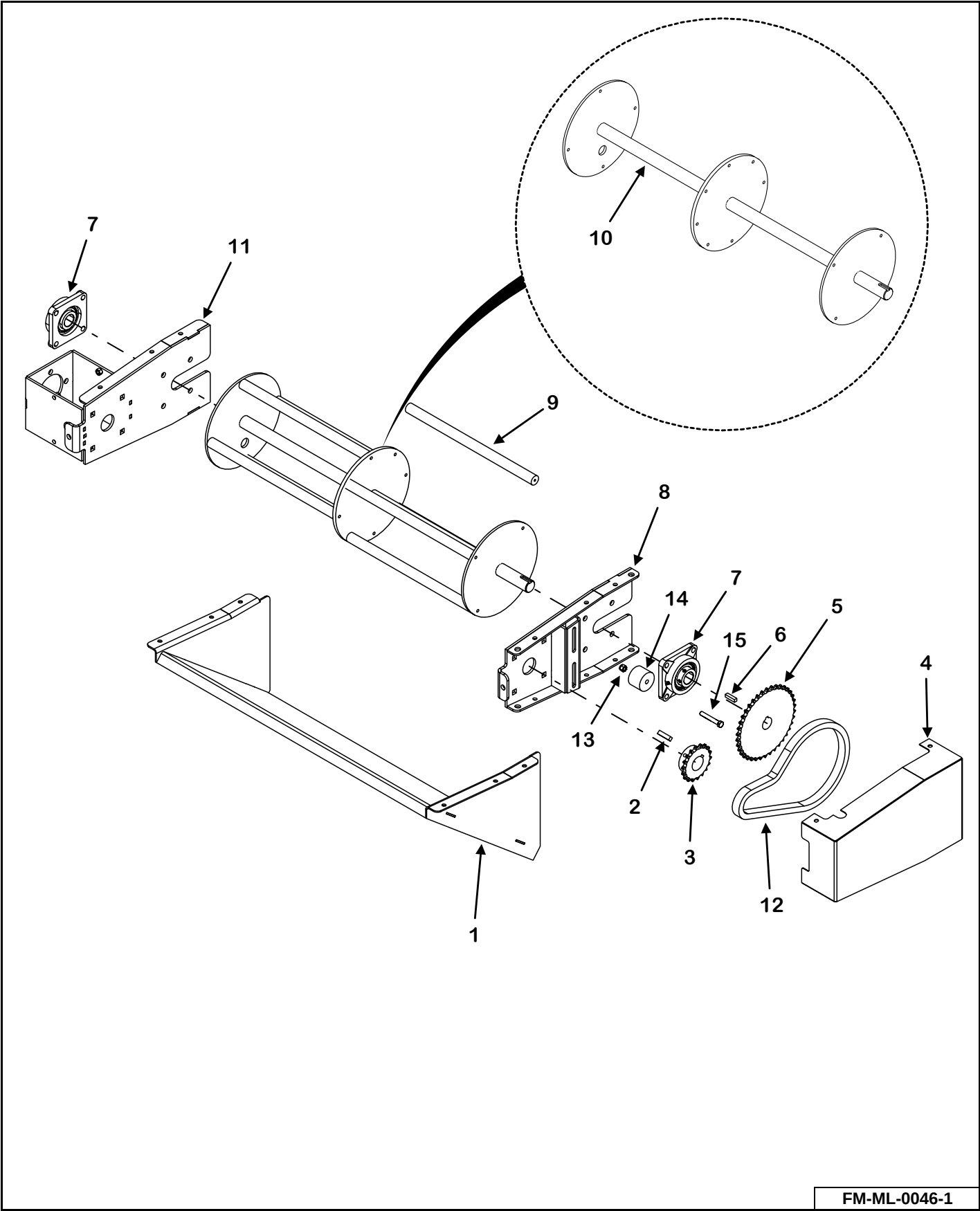
CONVEYOR DEFLECTOR ASSEMBLY



FM-ML-0045-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-HMB-F	1	Hanging Magnet Kit For Left / Right Discharge (Front Flat Belt Conveyor)	All Models
	VAML-HMB-I	1	Hanging Magnet Kit For Left / Right Discharge (Front Incline Belt Conveyor)	All Models
	VAML-HDB-F	1	Hanging Weight Kit For Left/Right Discharge (Front Flat Belt Conveyor)	All Models
	VAML-HDB-I	1	Hanging Weight Kit For Left/Right Discharge (Front Incline Belt Conveyor)	All Models
	VAML-DBD-F	1	Deflector Kit For Left/Right Discharge (Front Flat Belt Conveyor)	All Models
	VAML-DBD-I	1	Deflector Kit For Left/Right Discharge (Front Incline Belt Conveyor)	All Models
	VAML-HMC	1	Hanging Magnet Kit For Left/Right Discharge (Front Flat Chain Conveyor)	All Models
1	M11-1-0004	2	15" Hanging Magnet	All Models
	M11-1-0026	2	15" Hanging Weight Plate	All Models
2	M11-1-0003-4	1	Magnet Belting	All Models
3	M11-1-0003-1	1	Hanging Magnet Mount (Front Flat Belt Conveyor)	All Models
	M11-7-0003	1	Hanging Magnet Mount (Front Flat Chain Conveyor)	All Models
4	M11-1-0003-2	1	Magnet Mount Rear Support Upright (Front Flat Belt Conveyor)	All Models
	M11-7-0002	1	Magnet Mount Rear Support Upright (Front Incline Belt Conveyor)	All Models
	M11-7-0004	1	Magnet Mount Rear Support Upright (Front Flat Chain Conveyor)	All Models
5	M11-1-0003-3	1	Magnet Support Mount	All Models
6	M11-1-0003-2	1	Magnet Mount Front Support Upright (Front Flat Belt Conveyor) Prior to SN 17VM(0585201, 0700205)	All Models
	M11-7-0002	1	Magnet Mount Front Support Upright (Front Flat & Incline Belt Conveyor) SN 17VM(0585201, 0700205) & Later	All Models
	M11-7-0002	1	Magnet Mount Front Support Upright (Front Flat Chain Conveyor)	All Models
7	M11-1-0003-4-1	2	Hanging Magnet/Weight Backer Plates	All Models
8	M11-1-0003-5	1	Deflector Plate (Belt Conveyor Only)	All Models

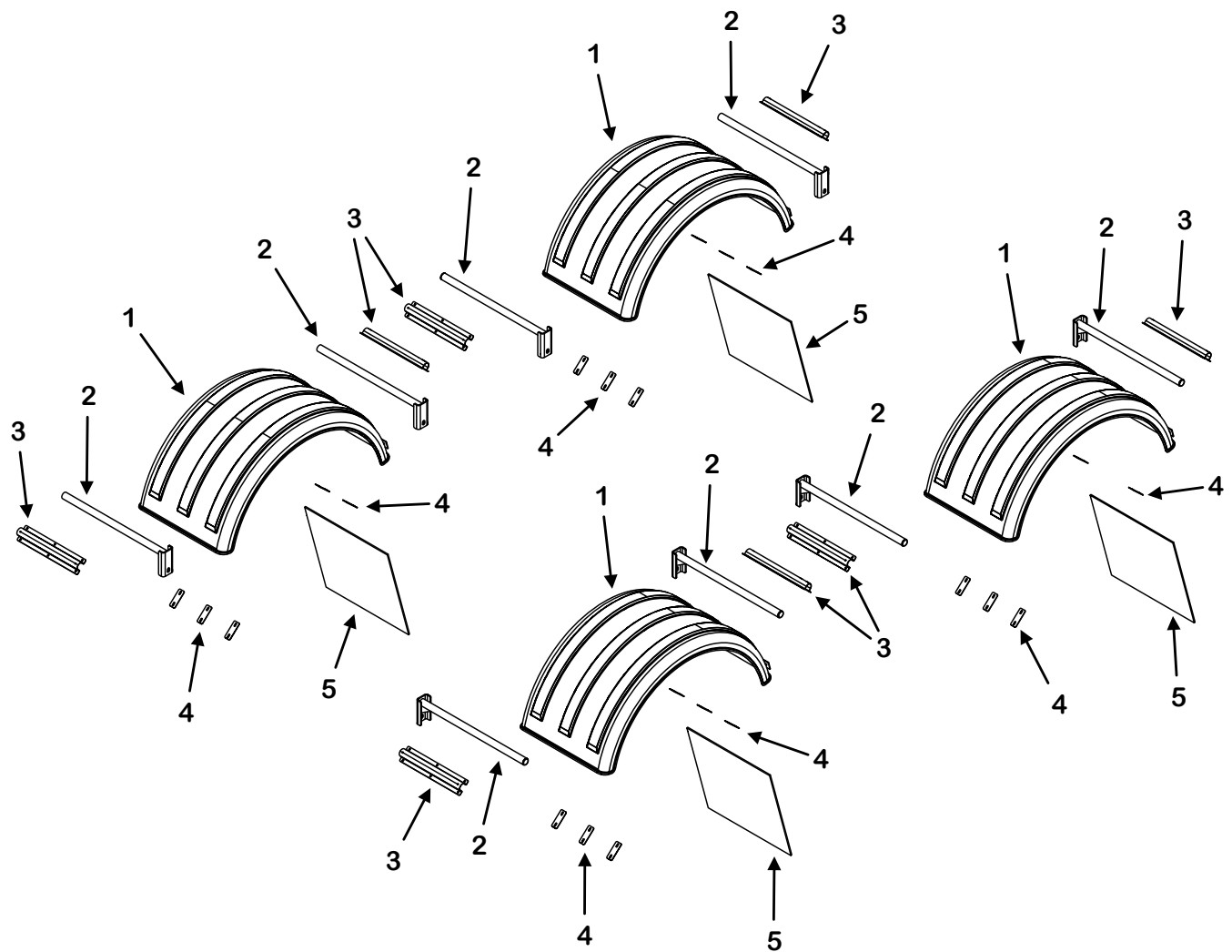
POWER MAGNET



FM-ML-0046-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-PRM-FDI- KIT	1	Medium/Large Family Power Magnet Flat Conveyor Kit	All Models
1	M3-1-10-0028	1	Deflector Weldment	All Models
2	35-0010	1	3/8" x 3/8" x 1-1/2" Square Key	All Models
3	110-50B18-1.5-1	1	50B18 1-1/2" Sprocket	All Models
4	M3-1-10-0029-1	1	Shield Weldment	All Models
5	110-50B38-1.25-1	1	50B38 1-1/4" Sprocket	All Models
6	35-0030-H	1	5/16" x 5/16" x 1-1/4" Square Key	All Models
7	14-0101	2	1-1/4" 4-Bolt Bearing	All Models
8	M3-1-10-0025	1	Bearing Mount Weldment	All Models
9	M3-1-8-0020-4	8	Magnet Tube	All Models
10	M3-1-8-0020-1	1	Spinner Weldment	All Models
11	M3-1-10-0026	1	Motor Mount Weldment	All Models
12	111-0050-59	1	#50-59 Roller Chain Including Connector & Offset	All Models
13	815-3816-Z	1	3/8"-16 Nylon Insert Lock Nut	All Models
14	M3-1-8-0020-6	1	Chain Tightener	All Models
15	851-3816-2.5Z	1	3/8"-16 x 2-1/2" Hex Cap Screw	All Models

POLY FENDER KIT



FM-VTP-0023-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTAL-TFK-X	1	Quad Axle Poly Fender Kit	All Models
	VTAM-TFK-X	1	Single Axle Poly Fender Kit	All Models
1	M11-1-0038-1-1	4	Quad Axle Black Poly Fender	All Models
	M11-1-0038-1-1	2	Single Axle Black Poly Fender	All Models
2	75-2440-3	8	Quad Axle 30" Fender Mount Arm Assembly	All Models
	75-2440-3	4	Single Axle 30" Fender Mount Arm Assembly	All Models
3	75-2457	8	Quad Axle Fender Mount Plate	All Models
	75-2457	4	Single Axle Fender Mount Plate	All Models
4	75-2405-2	24	Quad Axle Fender Underside Mount	All Models
	75-2405-2	12	Single Axle Fender Underside Mount	All Models
5	49-0274A	4	Quad Axle Rubber Fender Flap	All Models
	49-0274A	2	Single Axle Rubber Fender Flap	All Models



11.0 SPECIFICATIONS

585 / 700 DIMENSIONS		
	585	700
Overall Length - Side Door	270"	288"
Mixing Chamber Length	212"	217"
Max Discharge Reach - Side Slide Tray	21"	21"
Max Discharge Height - Side Slide Tray	15"	15"

585 / 700 SPECIFICATIONS		
	585	700
Mixing Capacity - No Extension	585 Cu. Ft.	693. Cu. Ft.
Mixing Capacity - Extensions	647 Cu. Ft.	760 Cu. Ft.
Unit Weight - Front Discharge - lbs (Option Sensitive)	N/A	N/A
Unit Weight - Side Discharge - lbs (Option Sensitive)	~12,020	N/A
Maximum Net Load - lbs	19,410	22,800
Auger Qty.	2	2
Auger Diameter	88"	88"
Auger Speed - Standard / High Speed	27 / 40 RPM	27 / 40 RPM
Auger - Upper Flighting Thickness	5/8"	5/8"
Auger - Lower Flighting Thickness	5/8"	5/8"
Auger - Knives - Adjustable - Per Auger	5	6
PTO Drive	1800 RPM	1800 RPM
Drive Protection	Torque-Disconnect	Torque-Disconnect
Discharge Door Opening - Side	42" x 40"	42" x 40"
Discharge Door Opening - Rear	42" x 40"	42" x 40"
Tub - Floor Thickness	5/8"	5/8"
Tub - Sidewall Thickness	1/4"	1/4"
Tub / Truck - Scale System	4-Point	4-Point
Min. Truck Requirement - HP	300	300

FEATURES		
	585	700
Twin Mixing Augers	STD	STD
Replaceable Scrapers	STD	STD
Hardened Knives	STD	STD
Hay Stops	STD	STD
Ladder	STD	STD

OPTIONS		
	585	700
Side Discharge Door Right/Left	OPT	OPT
Front Discharge Door	OPT	OPT
Rear Discharge Door	OPT	OPT
Front Cross Conveyor	OPT	OPT
Side Door Conveyor	OPT	OPT
Viewing Platform	OPT	OPT
Slide Tray	OPT	OPT
Magnets	OPT	OPT
Hay-Retention Ring	OPT	OPT
Capacity Belt Extension	OPT	OPT
Hardened Knives (Additional)	OPT	OPT
Tank Liner	OPT	OPT
Baffle Liner	OPT	OPT

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12.0 MAINTENANCE RECORDS

MODEL NO. _____

SERIAL NO. _____

[illegible][illegible]

Manufactured by:
Meyer Manufacturing Corporation

674 W. Business Cty Rd A

Dorchester, WI 54425

Phone. 1-800-325-9103

Fax: 715-654-5513

Email: parts@meyermfg.com

Website: www.meyermfg.com





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