PB-MIXER-VTP-HYD

FORMULA MIXER

F815P • F1015C • F1215C

Hydrostatic Truck Mount
Owner/Operator's Manual
&
Parts Book

Starting 25VM0815214, 26VM1015201 & 25VM1215204

MEYER MFG. CORP.

PRODUCT MANUALS

12/24/2025

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. _____

Spreader 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: 25VM1215204

Model Year / Vertical Mixer / Model / Sequence Of Build

25	VM	1215	204

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.


MANUFACTURED IN DORCHESTER WI
BY
MEYER®

3.0 INTRODUCTION

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

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

Sincerely,

All Employees of

MEYER MANUFACTURING CORPORATION

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. The trailer serial number plate is located on the left hand side of the hitch.

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.


MANUFACTURED IN DORCHESTER WI
BY
MEYER®

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 119-32-42.3-1, 119-32-42.3-2.

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.


MANUFACTURED IN DORCHESTER WI
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MEYER®

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5.0 SAFETY

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

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

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

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

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

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

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

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

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

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

5.1 SAFETY PRECAUTIONS

CAUTION

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

- The 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

CAUTION

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

FRONT OF IMPLEMENT

1

PART NO. 46-0001-213

2

PART NO. 46-0001-210

3

PART NO. 46-0001-209

4

PART NO. 46-8500-7

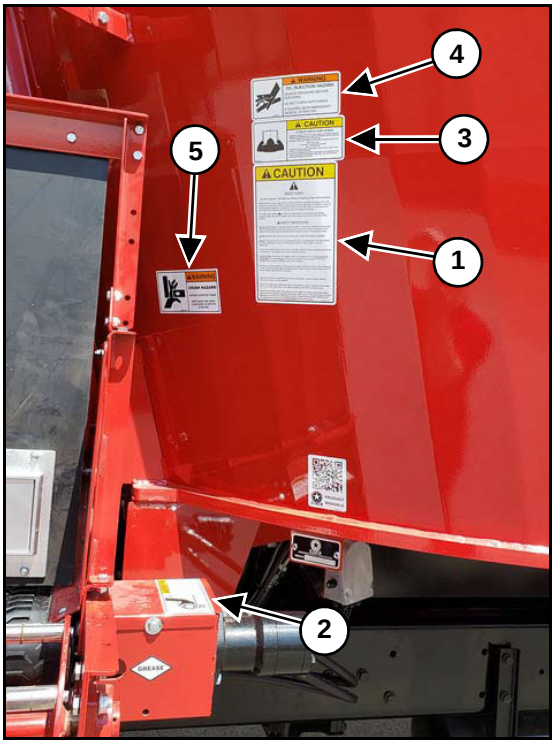
5

PART NO. 46-0001-206

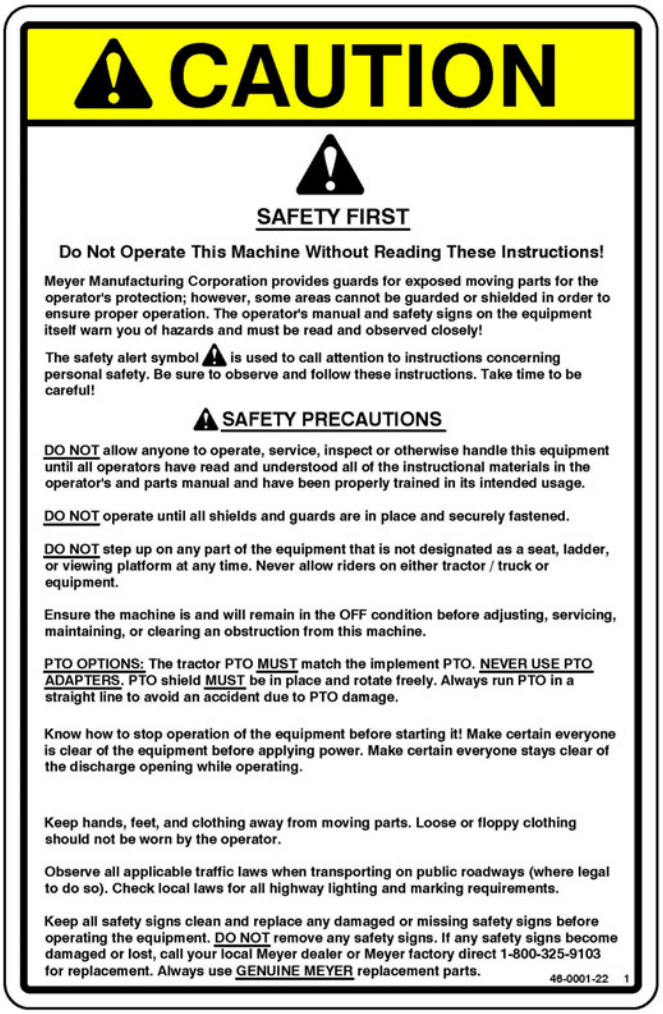
6

PART NO. 46-0001-4

FRONT OF IMPLEMENT



1

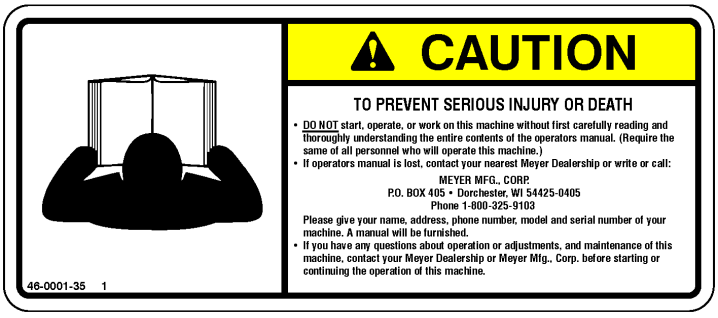


PART NO. 46-0001-22

2

PART NO. 46-0001-4

3



PART NO. 46-0001-35

4

PART NO. 46-8500-7

5

PART NO. 46-0001-206

UNDER IMPLEMENT

2

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

1

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

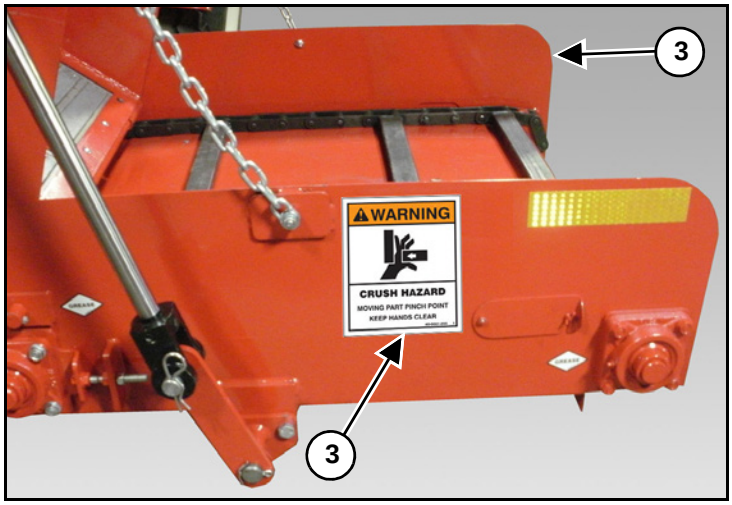
1

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

3

PART NO. 46-0001-4

SIDE DOOR CONVEYOR (OPTION)



BACK OF IMPLEMENT

1

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

CAUTION

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

5.3.1 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

WARNING

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

Keep hands, feet and clothing away from moving components.

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.

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

WARNING

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 the pump driveline. If play in the bearings is found, have qualified personnel replace cross bearings immediately.
6. Check condition of all hydraulic components for leaks and electrical cords and cables for wear. Repair or replace as required.
7. Check the planetary gearbox and hydraulic reservoirs for proper oil level. Refer to Section 8.2 LUBRICATION.
8. Check for and remove any foreign objects in the mixing chamber and discharge opening.
9. Be sure that there are no tools laying on or in the mixer.
10. Verify that all electrical and hydraulic connections are tight and secure before operating.
11. Check that all hardware is in place and is tight.
12. Watch for any worn or cracked welds. If found, have qualified personnel repair immediately or replacement is necessary.
13. Check all bearings. Replace as needed.
14. Inspect any wear items. i.e.: Knives, scrapers, kicker wear plate. Replace as required.
15. 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

DANGER

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

CAUTION

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

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

6.4 CONTROLS

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) to close the front door. Pull the joystick back (Item 2) to raise the front door. Move the joystick to the left (Item 3) to lower the chute or slide the front conveyor to the left (If equipped). Move the joystick to the right (Item 4) to raise the chute or slide the front conveyor to the right (If equipped). The button on the joystick (Item 5) will turn the conveyor on and off. The mixer speed knob (Item 10) controls the auger speed. Select the rear door button (Item 6) to lower the rear door. Select the rear door button (Item 7) to raise the rear door. The bunk lights can be turned on/off by selecting (Item 8) button. Select the momentary clean out switch (Item 9) to turn the clean out function on for approximately 60 seconds. (When system is Ready.) Turn the automatic mixing function on/off by selecting (Item 11) button.

Figure 6.1 Controls

NOTES:

- ***Do not attempt to operate any mixer functions with low hydraulic oil pressure.***
- ***The mixer auger speed knob must be turned to MAX in manual mode before the clean out function will work.***
- ***The clean out function can be selected in automatic mode with mixer running at its highest preset speed.***

Display

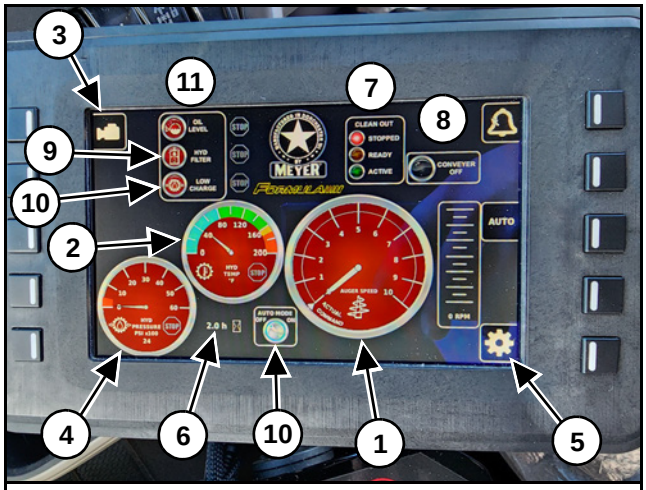


Figure 6.2 Display

1. Indicates selected mixer auger speed and actual auger RPM.
2. Hydraulic oil temp in °F and indicates when oil temperature is to hot or cold.
3. Turns on the rear facing camera when selected.
4. Hydraulic oil pressure in psi.
5. Settings.
6. Indicates the number of hours on the mixer.
7. Indicates high speed auger clean out status:

   Stopped indicated: Clean out mode is not able to be activated.

   Ready indicated: Clean out mode can be activated at any time.

   Active indicated: Clean out mode is currently in operation.

Note: The clean out function will run for approximately 60 seconds before automatically turning off.

8. When illuminated, discharge conveyor is in operation.
9. When illuminated, warns of hydraulic oil filter issue.
10. When illuminated, warns that the system has low charge pressure.
11. When illuminated, warns of low hydraulic oil in reservoir.
12. Indicates when the mixer automatic mode is on or off.

Operator Pass Code: 5132

Note: The operator can use the code above to make changes in the settings to conveyor speed, automatic camera-off delay (optional), operational mode lockout, etc.

6.5 START-UP AND SHUT-DOWN PROCEDURE

WARNING

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.

CAUTION

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.

Note: Make sure no warnings are present on your monitor before operating mixer. If cold hydraulic oil warning is indicated, allow mixer time to warm up before operating.

4. Check to see that the discharge door is closed.
5. Bring engine up to 1800 RPM and set the cruise.
6. Select automatic mode or set the auger speed knob to desired speed if in manual mode.

6.5.2 Shut-Down Procedure

1. Turn off the mixing augers.
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

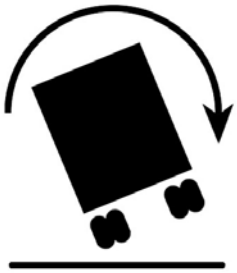
Refer to scale indicator (Item 1) manufacturer's operators manual for operation.

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 its intended usage.**
- **Before operating the implement, look in all directions to ensure there are no bystanders, especially small children, in the work area.**
- **Do not climb or step on any part of the implement at any time.**
- **Turn on level ground. Slow down when turning.**
- **Go up and down slopes, not across them.**
- **Keep the heavy end of the machine uphill.**
- **Do not overload the machine.**
- **Check for adequate traction.**

7.1 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.

7.2 OPERATIONAL CHECKS

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

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

Keep hands, feet and clothing away from moving components.

CAUTION

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.

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.
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. Determine which mode to run mixer in.

   Automatic Mode:

   - Operate mixer in automatic mode when the most consistent batches are desired.

NOTE: The mixer automatically adjusts between preset auger speeds throughout the mixing process.

   Manual Mode:

   - Select manual mode to run the augers at your desired speed.
   - Operate in manual mode to reduce processing of feed stuffs when longer mixing times are needed.
   - Run in manual mode to mix faster on small batches or to process light loads more quickly (i.e. processing bales).

5. Load baled hay into the center of the mixer.
6. 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.***

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

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.

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

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 7.5 Ladder

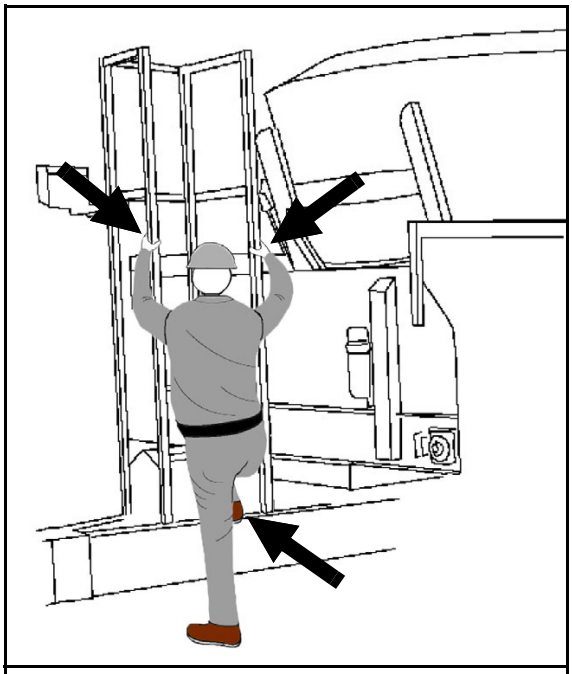


Figure 7.4 Viewing Platform

7.6 UNLOADING

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.

CAUTION

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

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).
5. Set the truck engine to operate at 1800 RPM. Set the auger speed adjustment knob to desired speed.
6. Open discharge door slowly to adjust the amount of material to be discharged. Adjust door height or conveyor speed for desired flow of feed.
7. After the load begins to discharge, increase the auger speed adjustment knob to 10 to ensure fast and thorough clean out while driving forward along the discharge path.

NOTE: The mixer speed adjustment knob must be turned all the way up to 10 before the clean out mode can be activated.

8. The clean out button can be selected during the unloading process. This will help remove any feed remaining on the augers to ensure fast and thorough clean out.

NOTE: Do not operate above the rated 1800 RPM engine speed.

9. 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.

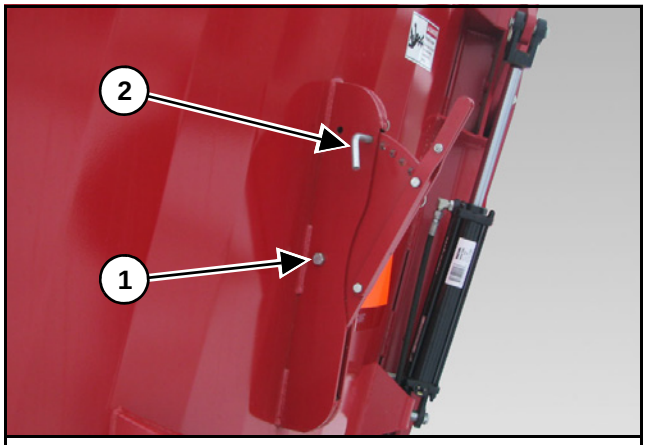


Figure 7.6 Hay Stop Lock Bolt

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

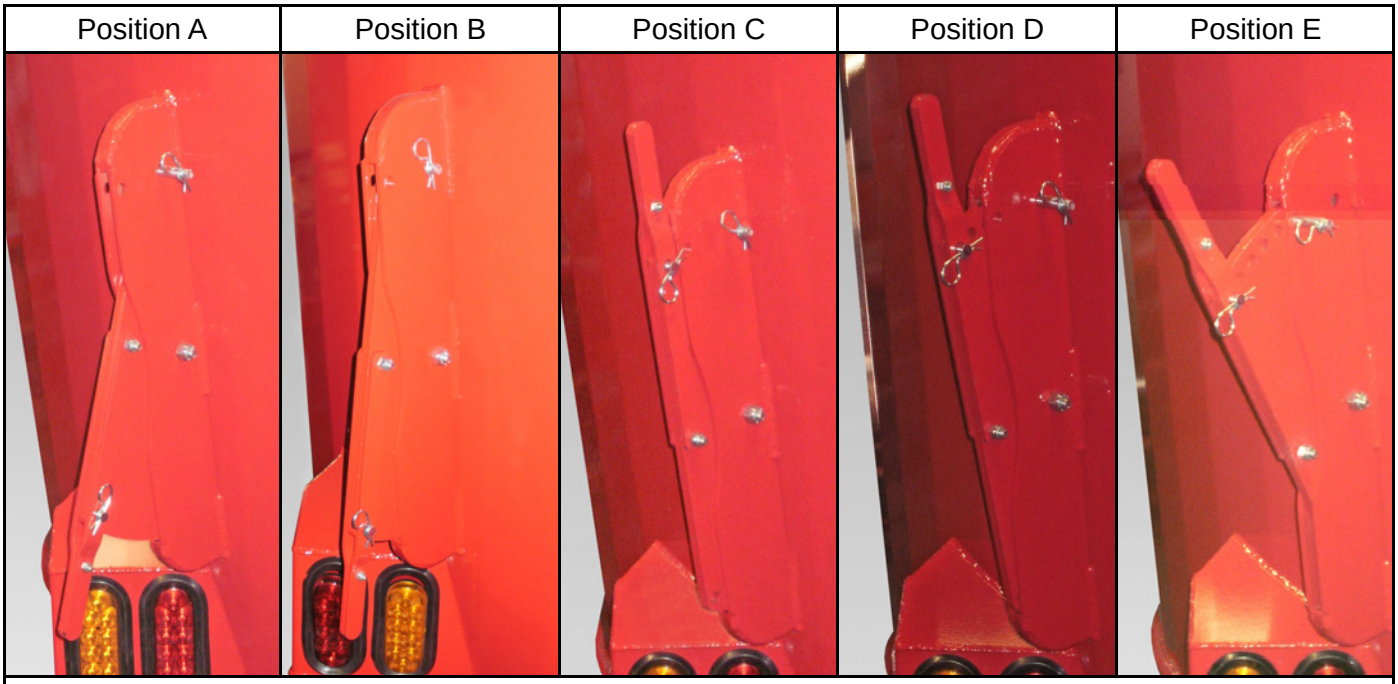


Figure 7.7 Hay Stop Positions


MANUFACTURED IN DORCHESTER WI
BY
MEYER®

8.0 MAINTENANCE

8.1 GENERAL

CAUTION

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

CAUTION

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 environmentaly safe manner. Some regulations require that certian 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 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 8.2.9.2 Hydraulic Drive System) if the oil level is not at the oil reservoir mark (Item 1).

Check the right angle T-gearbox (if equipped) oil levels daily to prevent abnormal component wear. Add new oil to the reservoir tank if the oil level is not at the oil reservoir mark.

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

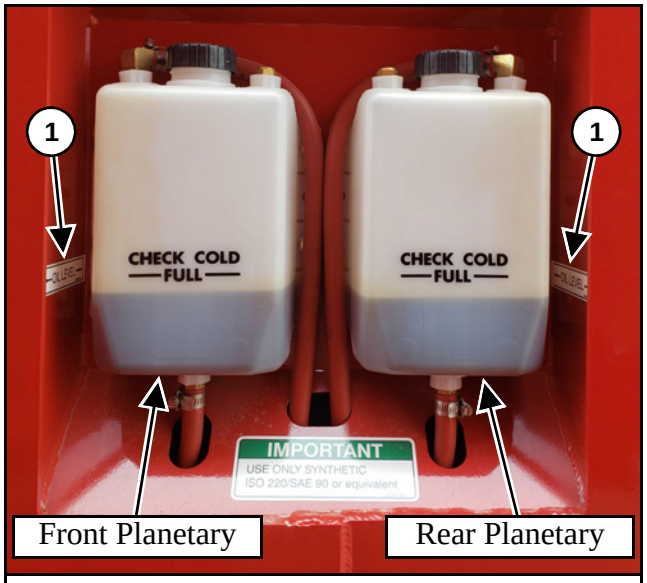


Figure 8.1 Planetary Reservoir

Check hydraulic reservoir tank oil levels daily. Thoroughly clean the area around the cap before removing cap. Add new oil to the hydraulic reservoir tank (Item 2) if the oil level is not at the black sight glass mark (Item 3). (See 8.2.9.2 Hydraulic Drive System)

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

Oil Type: A/W32 Premium Hydraulic Oil (48-0064)

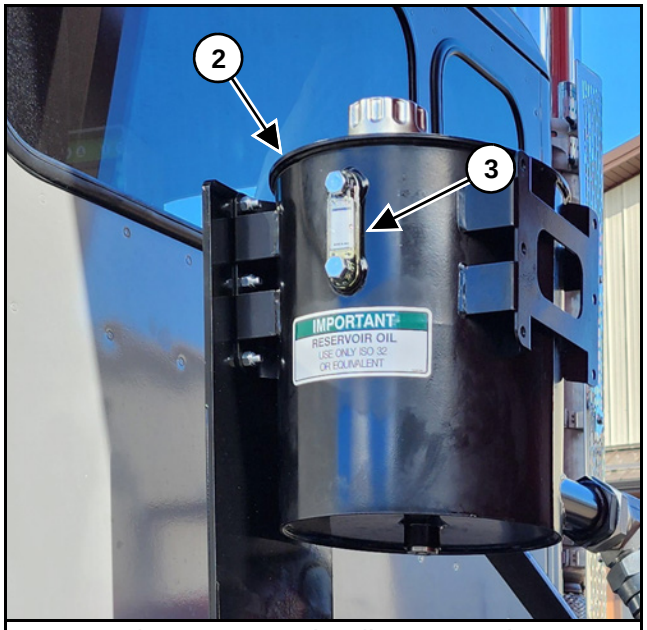


Figure 8.2 Hydraulic Reservoir

8.2.2 Monthly Lubrication

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).

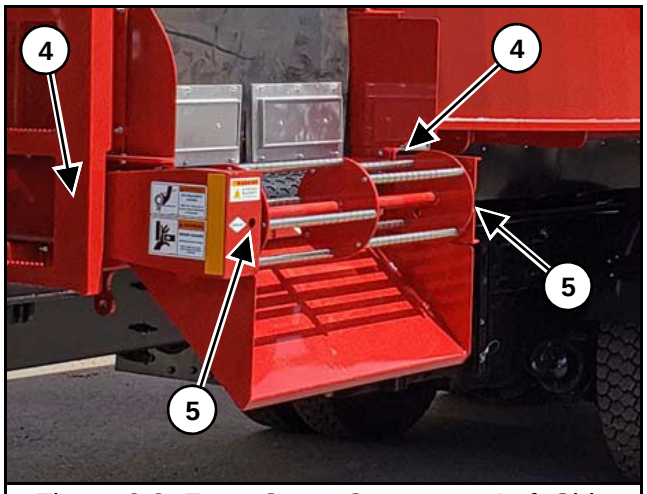


Figure 8.3 Front Cross Conveyor - Left Side

Figure 8.4 Front Cross Conveyor - Right Side

Grease weigh bar mounts (Item 7) (If mounts are equipped with grease zerks).

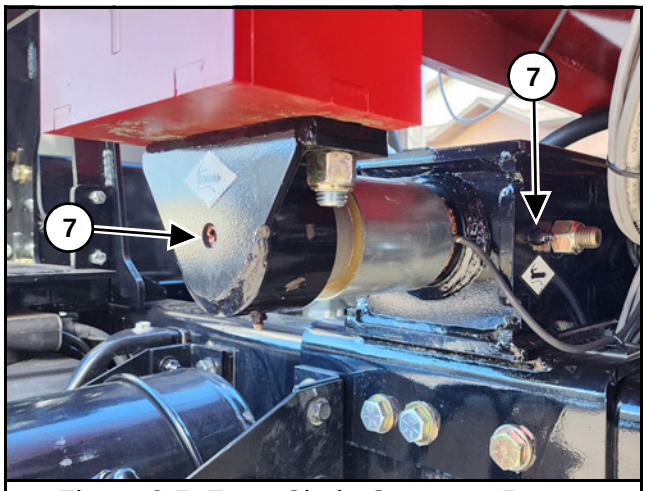


Figure 8.5 Front Chain Conveyor Return

8.2.3 Every 40 Hours

Oil door pivots (Item 8).

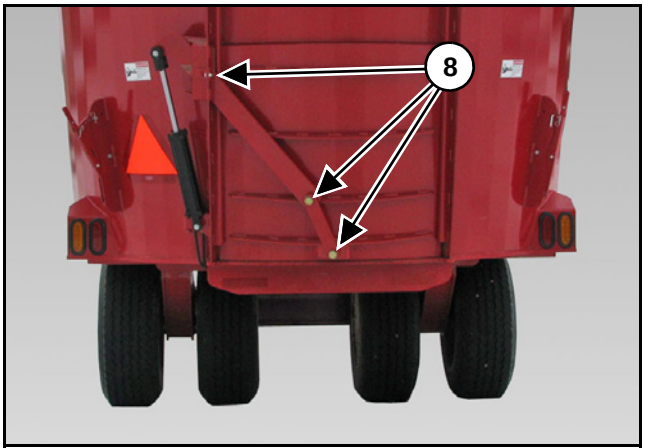


Figure 8.6 Door Pivots

8.2.4 First 50 Hours

First oil change in the planetaries (See 8.2.9.2 Hydraulic Drive System).

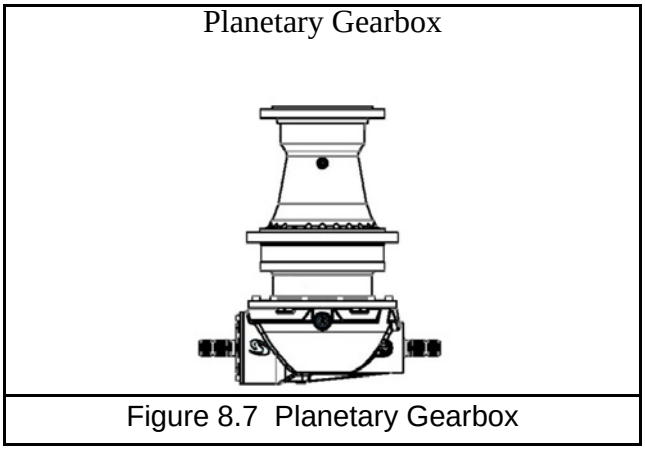


Figure 8.7 Planetary Gearbox

8.2.5 Every 50 Hours

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

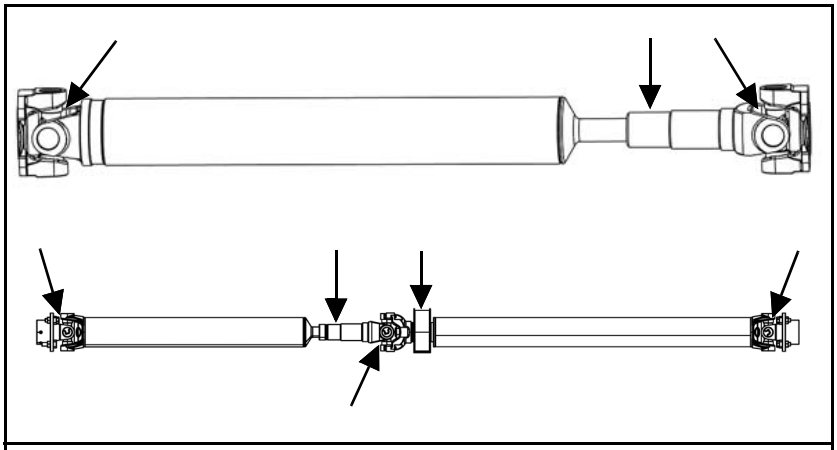


Figure 8.8 All Automotive Drivelines

8.2.6 Every 250 Hours

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

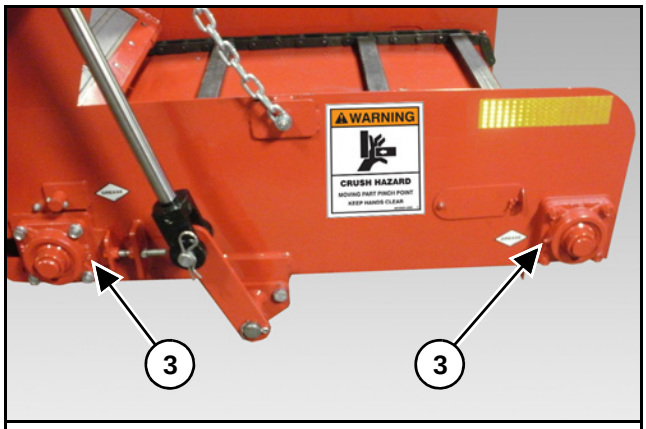


Figure 8.9 Side Door Conveyor Option

8.2.7 Annually or Every 1000 Hours (Whichever Is First)

Change reservoir and hydraulic pump filters.

Reservoir filter: See page

Hydraulic pump filter: See page

8.2.8 Annually or Every 2000 Hours (Whichever Is First)

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

Change oil in the hydraulic drive system or send in oil sample for analysis. (See 8.2.9.2 Hydraulic Drive System)

Oil Type: A/W32 Premium Hydraulic Oil (48-0064)

Oil Capacity:

FEPTO: Approximately 27 gallons

REPTO: Approximately 18 gallons

Planetary Gearbox

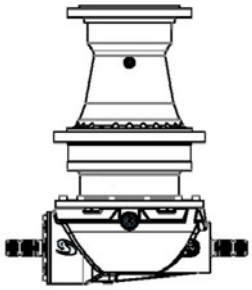


Figure 8.10 Planetary Gearbox

8.2.9 Planetary/Hydraulic Drive System Oil Change Procedures

CAUTION **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.***

8.2.9.1 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.

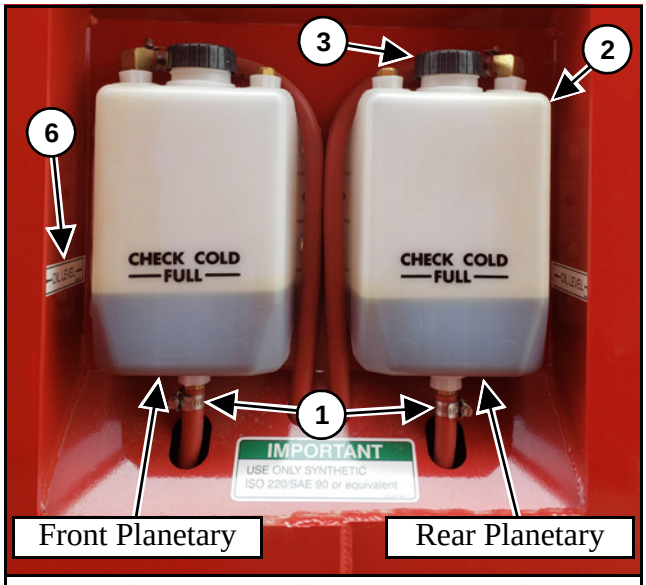


Figure 8.11 Planetary Reservoir

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.

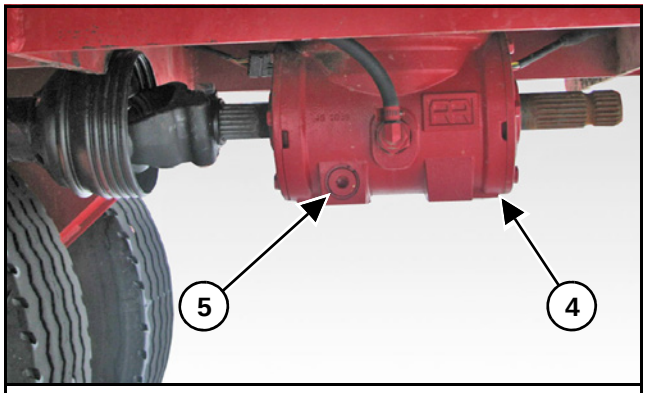


Figure 8.12 Planetary Drain Plug

PLANETARY LUBRICATION SPECIFICATIONS				
Model	**Part Number**	**Description**	**Oil Type**	**Capacity Per Planetary (Including Reservoir) (Approximate)**
815P / 1015C / 1215	119-32-42.3-1	3200 Planetary 42.3:1	Synthetic ISO 220 Or Equivalent	Approx. 27.5 Quarts
815P / 1015C / 1215	119-32-42.3-2	3200 Planetary 42.3:1	Synthetic ISO 220 Or Equivalent	Approx. 27.5 Quarts

8.2.9.2 Hydraulic Drive System

Draining

- Drain the hydraulic reservoir (Item 2) by removing fill cap (Item 1) and plug (Item 4). Reinstall plug when finished.
- Disconnect a hose from lowest part of the system to drain as much of the oil as you can.

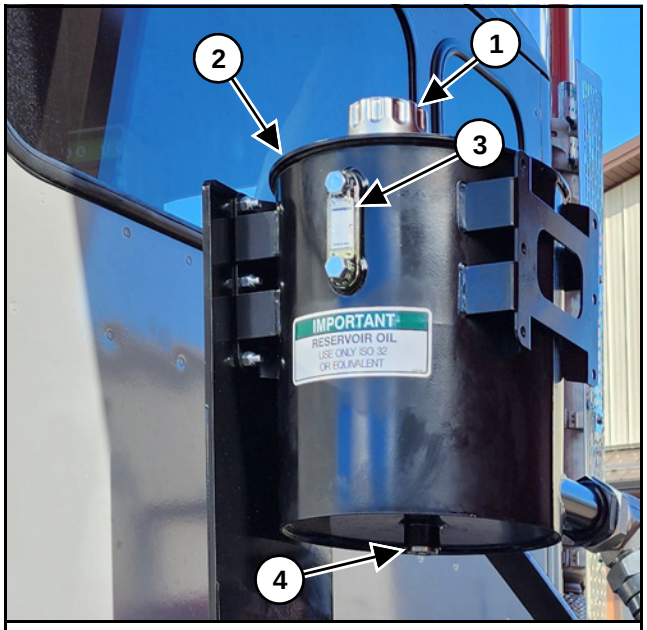


Figure 8.13 Hydraulic Reservoir

Filling

- Fill reservoir to sight glass line (Item 3). Refill reservoir after each step.
- Crack open heat exchanger oil plug (Item 5) until oil comes out.
- Crack open the **REAR** motor case drain hose (Item 6) until oil comes out.
- Crack open the **FRONT** motor case drain hose (Item 6) until oil comes out.
- Crack open the **PISTON PUMP** case drain hose (Item 7) until oil comes out.
- Crack open the **AUX PUMP** case drain hose (Item 8) until oil comes out.
- Bump start (quick on/off) truck.

NOTE: DO NOT let truck run or air will get into the hydrostatic system.

- Wait a minute for oil level to stabilize.
- Refill reservoir to sight glass line.
- Verify no leaks from any hoses or fittings.
- Repeat the bump start and refill process until the oil level does not lower from the sight glass (Approximately 10 times).

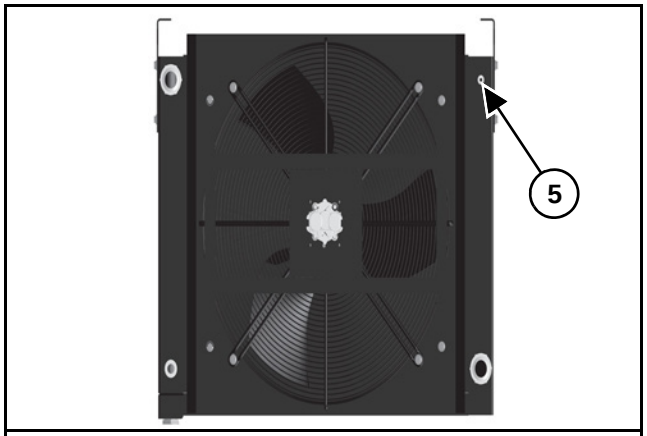


Figure 8.14 Heat Exchanger Oil Plug

Oil Type: A/W32 Premium Hydraulic Oil (48-0064)

Oil Capacity: FEPTO: Approximately 27 gallons REPTO: Approximately 18 gallons

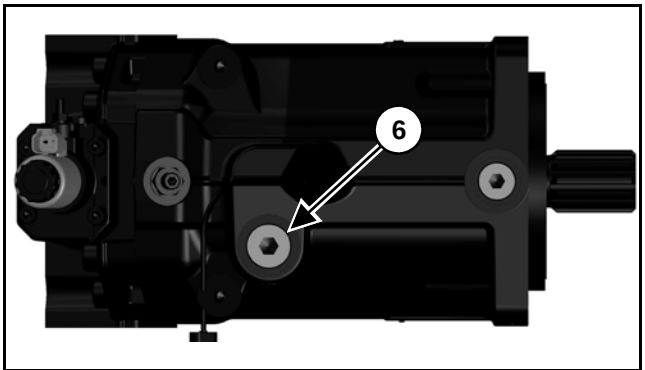


Figure 8.15 Planetary Motor Case Drain

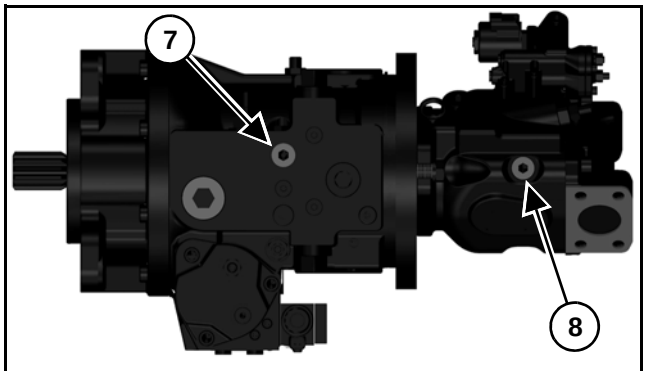


Figure 8.16 Pump Case Drain Locations

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.

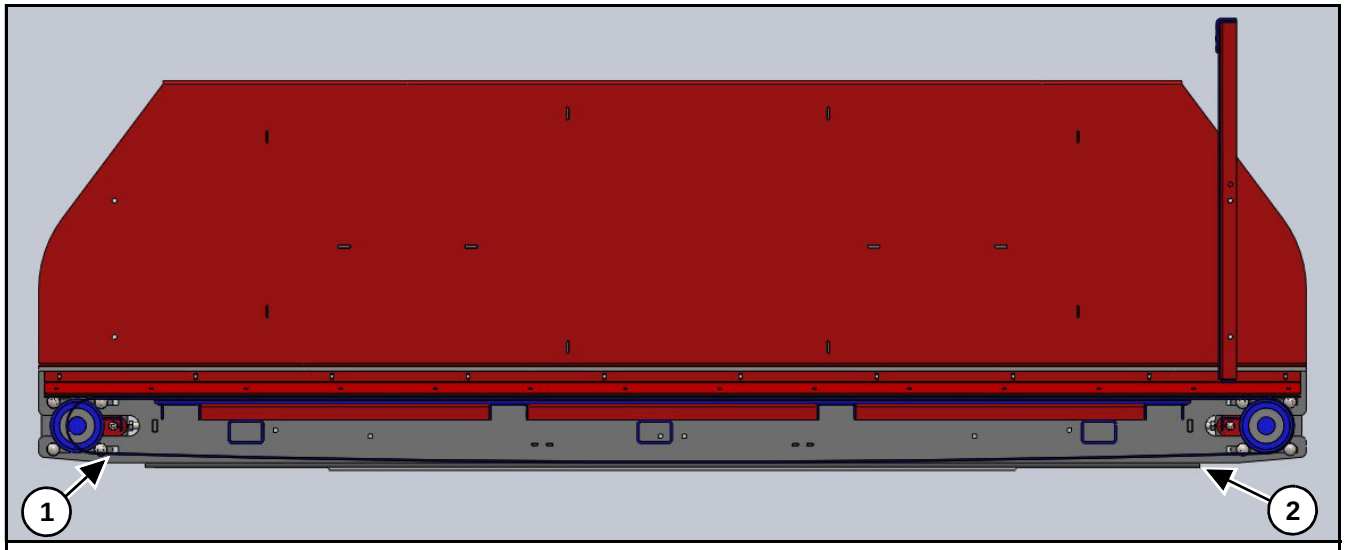


Figure 8.17 Front Conveyor Belt Tension

Incline/Side Discharge Conveyor:

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

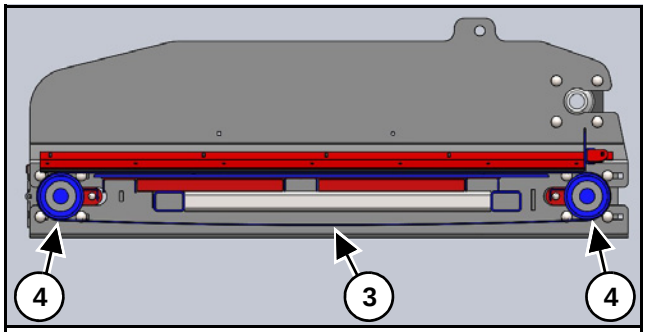


Figure 8.18 Incline/Side Conveyor Belt Tension

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.

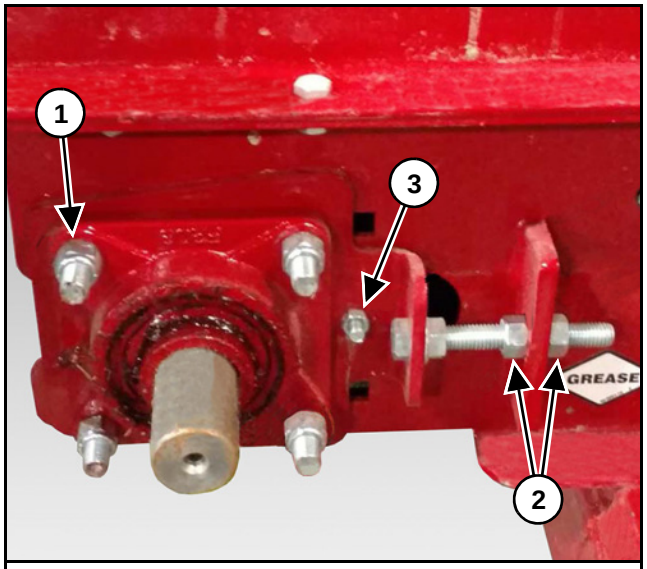


Figure 8.19 Conveyor Adjusters

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.

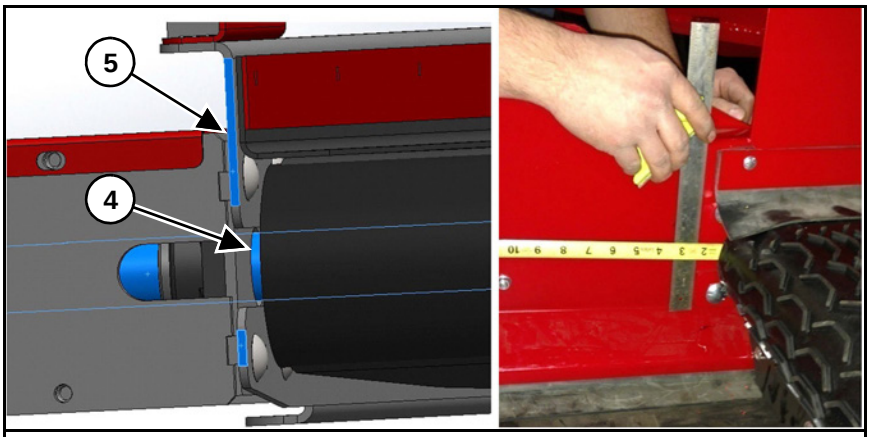


Figure 8.20 Conveyor Primary Discharge Side Setup

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.

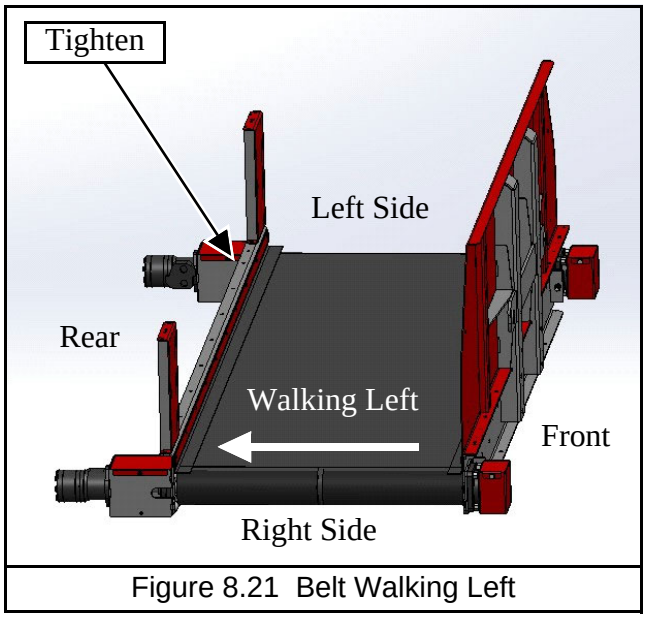


Figure 8.21 Belt Walking Left

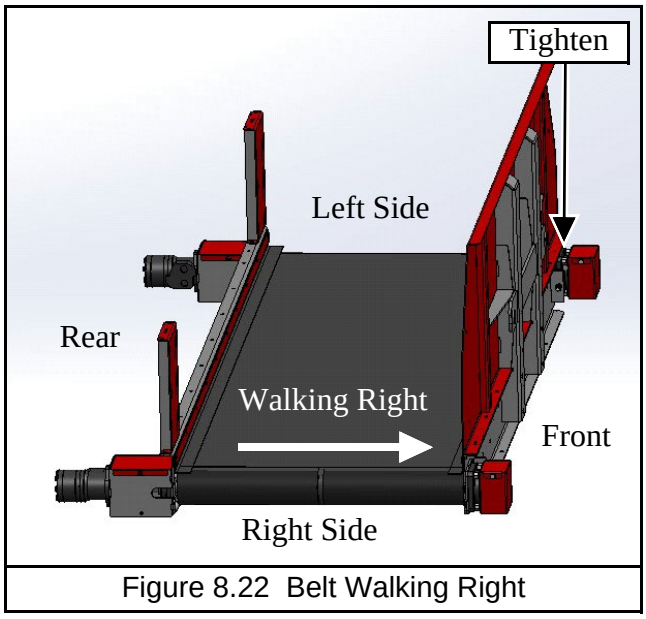


Figure 8.22 Belt Walking Right

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.

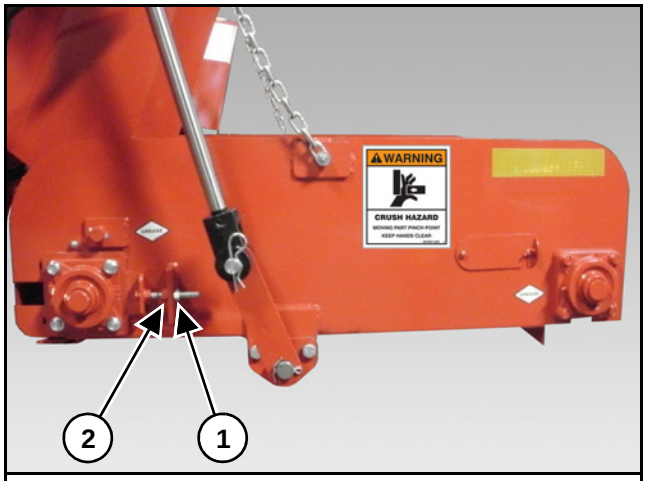


Figure 8.23 Side Discharge Conveyor

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.

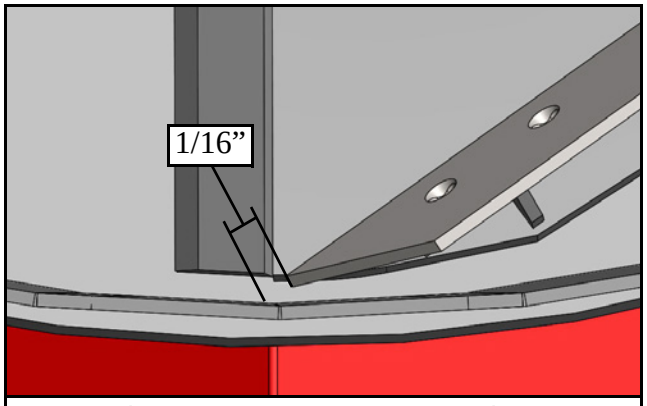


Figure 8.24 Auger Scraper Plate

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.

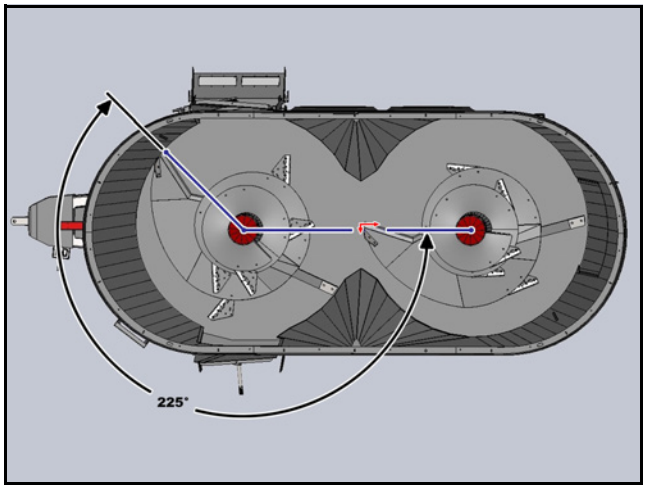


Figure 8.25 Auger Timing

8.3.6 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.

8.3.6.1 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.

8.3.6.2 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.

8.3.6.3 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.

8.3.6.4 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.

8.3.6.5 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 fasterners 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"
	**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 8.27 SAE Bolt Grade

Head Marking	Class and Material	Nominal Size Range (mm)
	**Class 8.8** Medium carbon steel, quenched and tempered	All Sizes below 16mm
		16mm - 72mm
	**Class 10.9** Alloy steel, quenched and tempered	5mm - 100mm
	**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 8.26 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

8.4.2 Manifold Coil Torque

Location	Operation	Coil Nut Torque	Cartridge Torque
SV-1	Fan Direction	44 in-lb	20-24 ft-lb
SV-2	Primary Door	3.5-3.9 ft-lb	28-32 ft-lb
SV-3	Plug	-	28-32 ft-lb
SV-3 (Optional)	Rear Door (Optional)	3.5-3.9 ft-lb	28-32 ft-lb
SV-4	Plug	-	28-32 ft-lb
SV-4 (Optional)	Slide Tray / Conveyor (Optional)	3.5-3.9 ft-lb	28-32 ft-lb
PRV-1	Fan Speed	4.5 in-lb	20-25 ft-lb
FC-1	Flow Control	-	20-25 ft-lb
FD-1	Flow Divider	-	30-35 ft-lb
OR-1 & OR-2	Orifice	15 ft-lb	24 ft-lb
CSZN	Shuttle	25 ft-lb	100-120 in-lb
XBCA	Plug	-	45-50 ft-lb
XBCA (Optional)	Conveyor (Optional)	-	45-50 ft-lb
XDCA	Plug	-	45-50 ft-lb
XDCA (Optional)	Conveyor (Optional)	4.5 in-lb	45-50 ft-lb
XGCA	Plug	-	30-35 ft-lb
XGCA (Optional)	Conveyor (Optional)	-	30-35 ft-lb
PC-1	Logic Element	-	20-25 ft-lb
RV-1	Relief	80-90 in-lb	30-35 ft-lb
Check Valve (Optional)	Slide Tray / Conveyor (Optional)	-	20-25 ft-lb

8.4.3 Hydraulic Flange Torque

Follow the torque pattern in Figure 8.28 to the specified torque value from the table below.

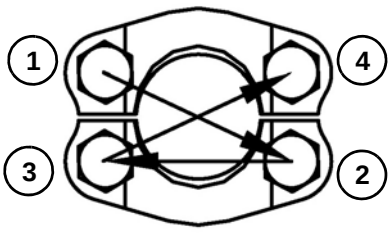


Figure 8.28 Flange Torque Pattern

Code 61 & 62 Flange Torque Specifications					
Meyer Part #	Flange Type	Dash Size	Flange Size (Inch)	Bolt (Inch)	Torque (ft-lb)
155-5151HK-16	Code 61	-16	1	3/8-16	31
155-5151HK-32	Code 61	-32	2	1/2-13	77
155-1902-20-M14	Code 62	-20	1-1/4	M14 x 2	96

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.

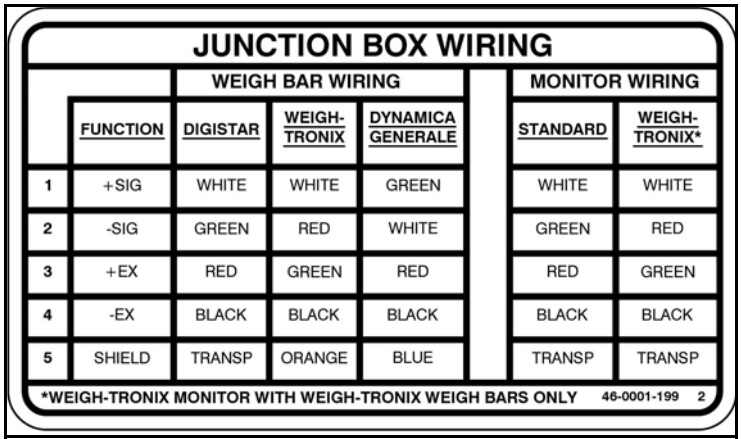


Figure 8.29 Weigh Bar Wiring Diagram

Scale Set Up Numbers

Digistar Monitors	
SET UP #	**CALIBRATION #**
126080	36909

Weigh-Tronix Monitors	
CONFIGURE #	**CUSTOM #**
98300	35910

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.
Low or No Charge Pressure	• Verify oil level in reservoir is at least 1/2 to 3/4 up the sight glass. • Disconnected or failed pressure sensor. • Pump driveshaft failure. • Charge pressure filter clogged. • Hydrostatic pump damaged internally.
Planetary Reservoir Is Overflowing	• Check oil level when cold. • Clean breather. • Make sure hoses are not kinked or clogged. • Change oil.
System Never Comes Up to Temperature	• Verify oil temperature using an infrared temperature gun at sensor location.
System Appears to be Overheating With Fan Running at Full Speed	• Clean heat exchanger with pressure washer. • Heater circuit malfunction.
Noisy Auxiliary Pump (Cavitation)	• Verify all connections in suction line are tight. • Internal damage to pump.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9.0 REPAIR PARTS

WARNING

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

CAUTION

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

CAUTION

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

IMPORTANT

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

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

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

WARNING

Crushing Hazard:
Do Not work under suspended or blocked parts

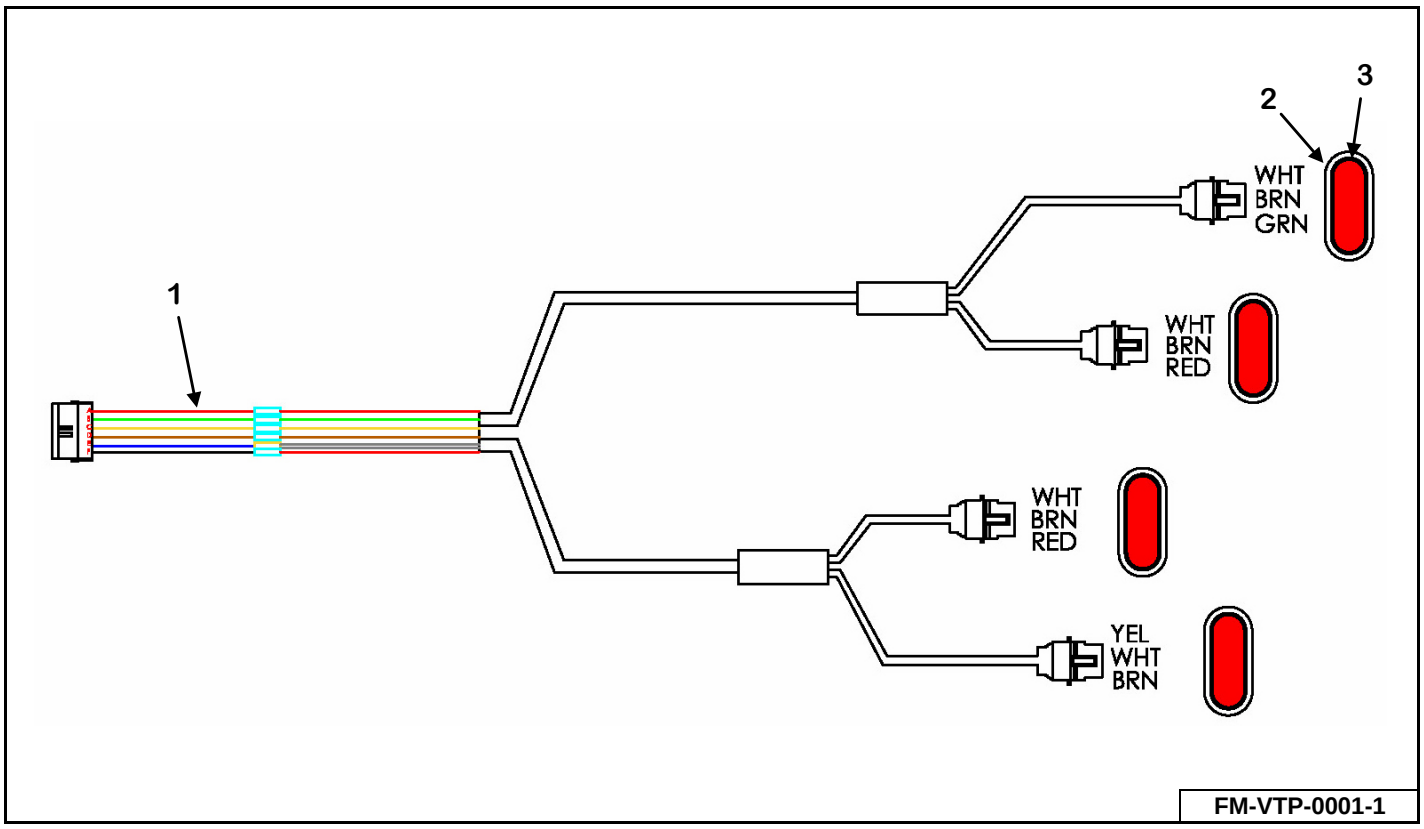
- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who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

IMPORTANT

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

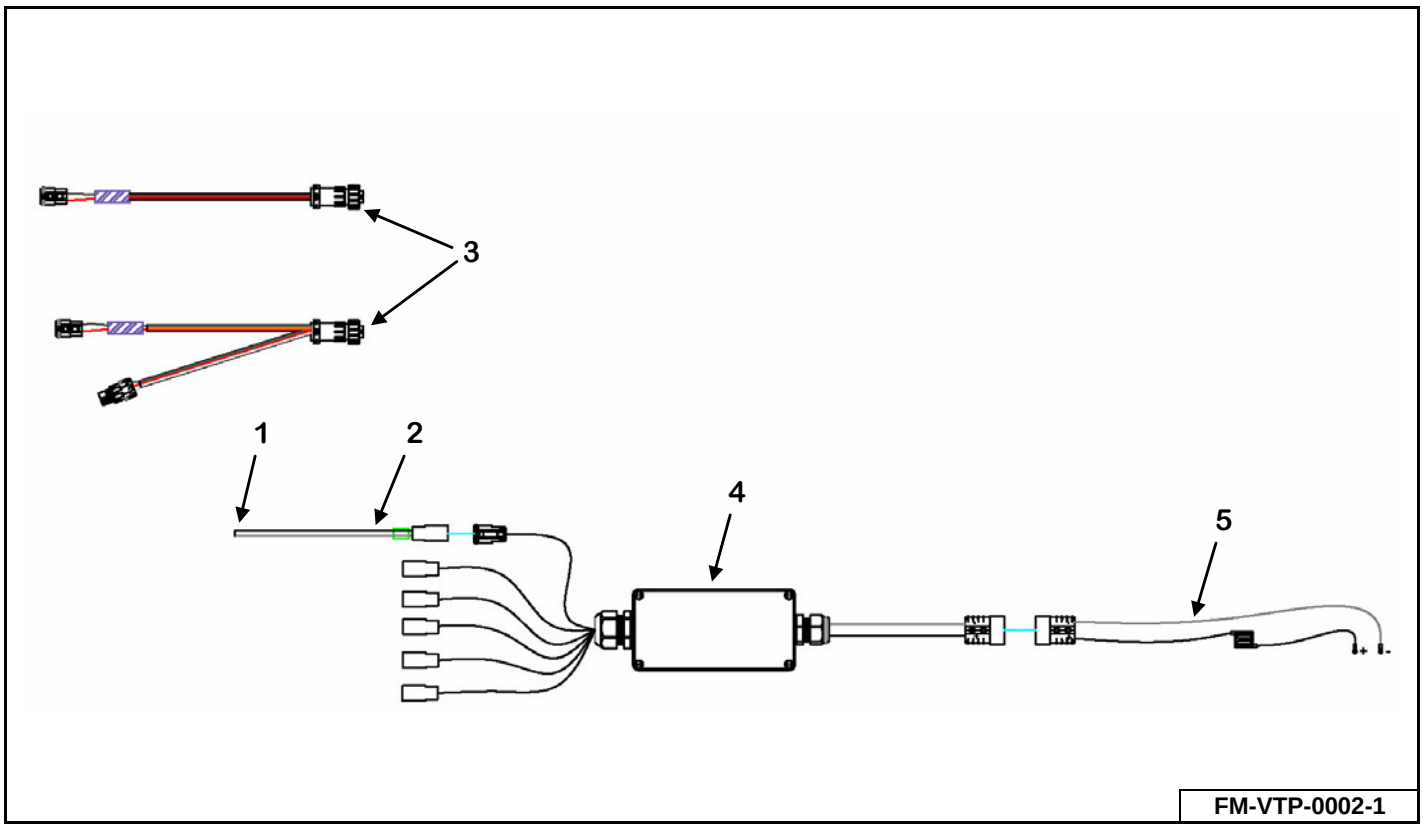
NOTE: Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

LIGHTS

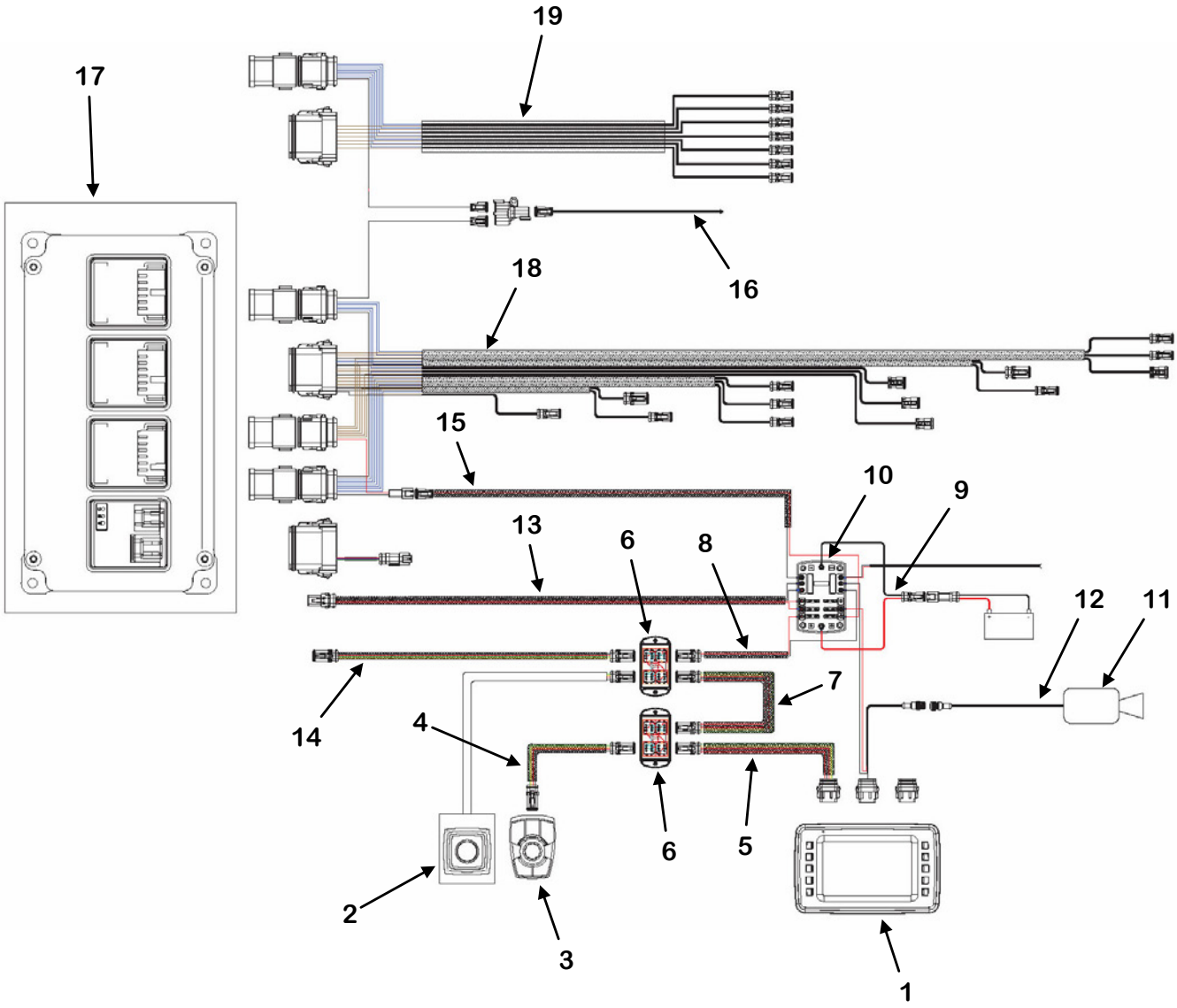


KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	56-0512	1	Truck Mount Tail Light Harness	815-1215
2	56-0082	4	6” Oval Grommet	815-1215
3	56-0115-AMP	4	6” Oval Red LED Light	815-1215

ELECTRICAL SYSTEM POWER



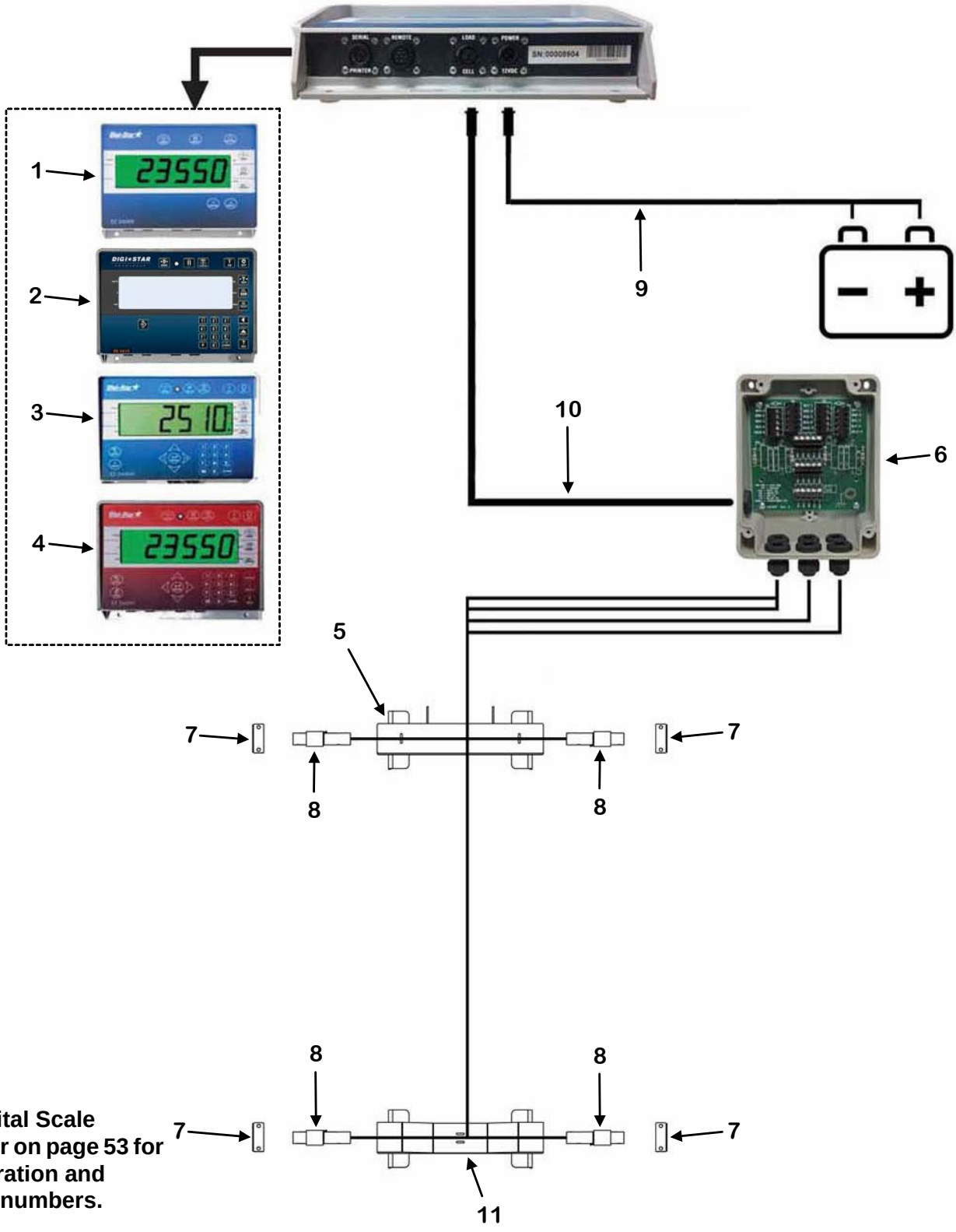
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	156-79040	AR	Standard Wire Fuse Tap	815 - 1215
	156-79047	AR	Mini Wire Fuse Tap (Low Profile)	815 - 1215
	156-79045	AR	Mini Wire Fuse Tap	815 - 1215
	156-79041	AR	Micro Wire Fuse Tap	815 - 1215
	156-78105	AR	Fuse Holder	815 - 1215
	156-78310	AR	Fuse for Fuse Holder	815 - 1215
2	56-0511	1	Keyed Power Assembly	815 - 1215
3	56-0509	1	Monitor Cord	815 - 1215
	56-0510	1	Monitor Cord with RC (Optional)	815 - 1215
4	56-0513	1	J-Box Assembly	815 - 1215
5	56-0460	1	Battery Harness Assembly	815 - 1215



155-PEA-14

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	155-PEA-14	1	Dual Motor Electrical Kit	815 - 1215
1	155-PEA-14-1-2	1	HMI	815 - 1215
2	M11-1-0093-2	1	Joystick	815 - 1215
3	M11-1-0093-1	1	Keypad	815 - 1215
4	155-PEA-14-2-1	1	Keypad Harness	815 - 1215
5	155-PEA-14-2-2	1	HMI Harness	815 - 1215
6	M11-1-0093-7	2	Can Junction Box	815 - 1215
7	155-PEA-14-2-3	1	Can Junction Interface Harness	815 - 1215
8	155-PEA-14-2-4	1	Can Junction Power Harness	815 - 1215
9	155-PEA-14-2-5	1	Battery to Fuse Block Harness	815 - 1215
10	M11-1-0093-6	1	Fuse Block	815 - 1215
11	M13-1-12-0014	1	Camera	815 - 1215
12	M13-1-12-0015-40	1	Camera 40’ Power Cable	815 - 1215
13	155-PEA-14-3-1	1	Controller Power Harness	815 - 1215
14	155-PEA-14-3-2	1	Controller Can/Bus Harness	815 - 1215
15	155-PEA-14-3-3	1	Manifold & Device Power Harness	815 - 1215
16	155-PEA-14-3-4	1	Manifold Ground Extension	815 - 1215
17	155-PEA-14-1-1	1	PLC	815 - 1215
18	155-PEA-14-4-1	1	Auxiliary Device Harness	815 - 1215
19	155-PEA-14-4-2	1	Manifold Harness	815 - 1215

WEIGH BAR WIRING DIAGRAM

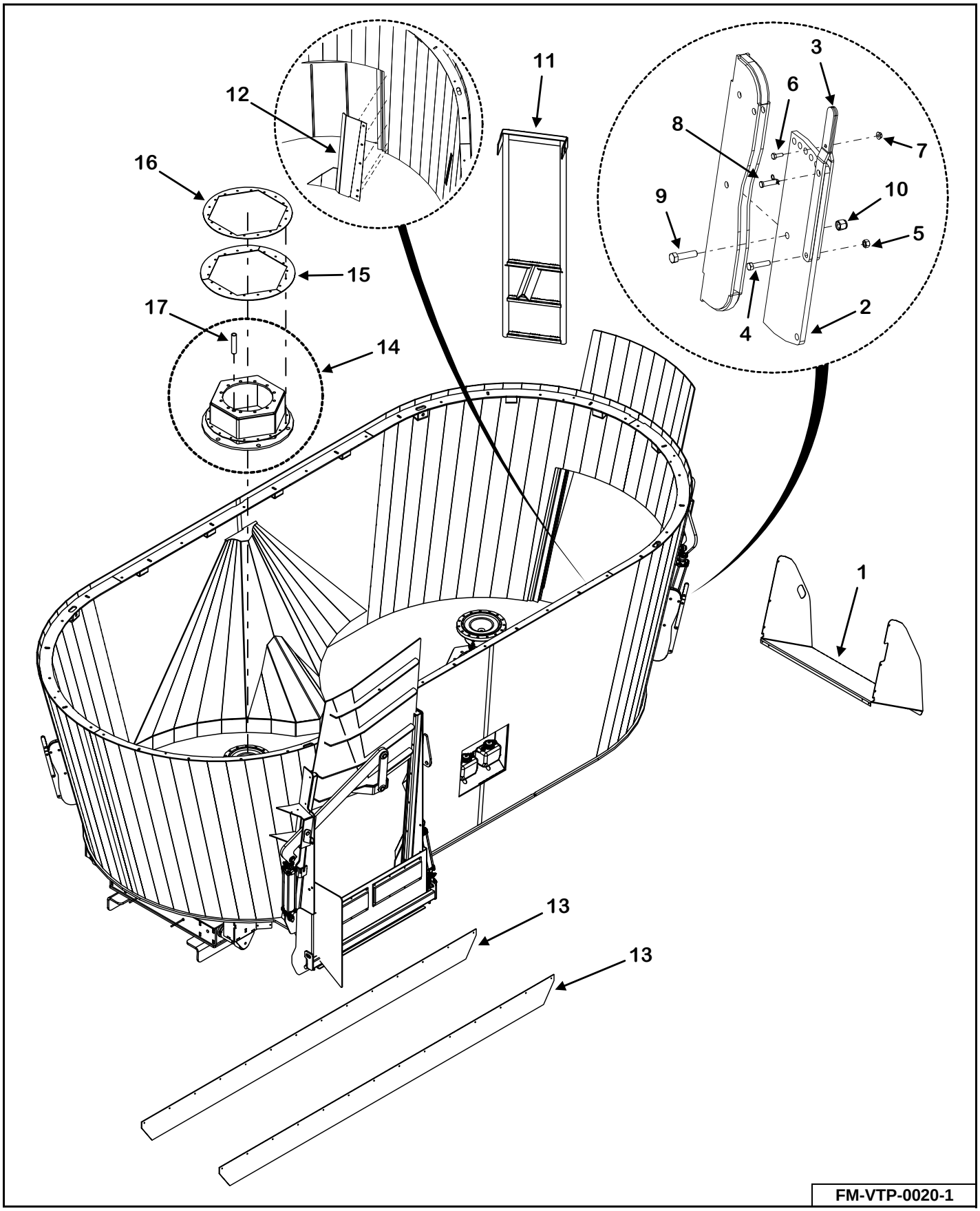


See Digital Scale Indicator on page 53 for configuration and custom numbers.

FM-TR-H-0002-1

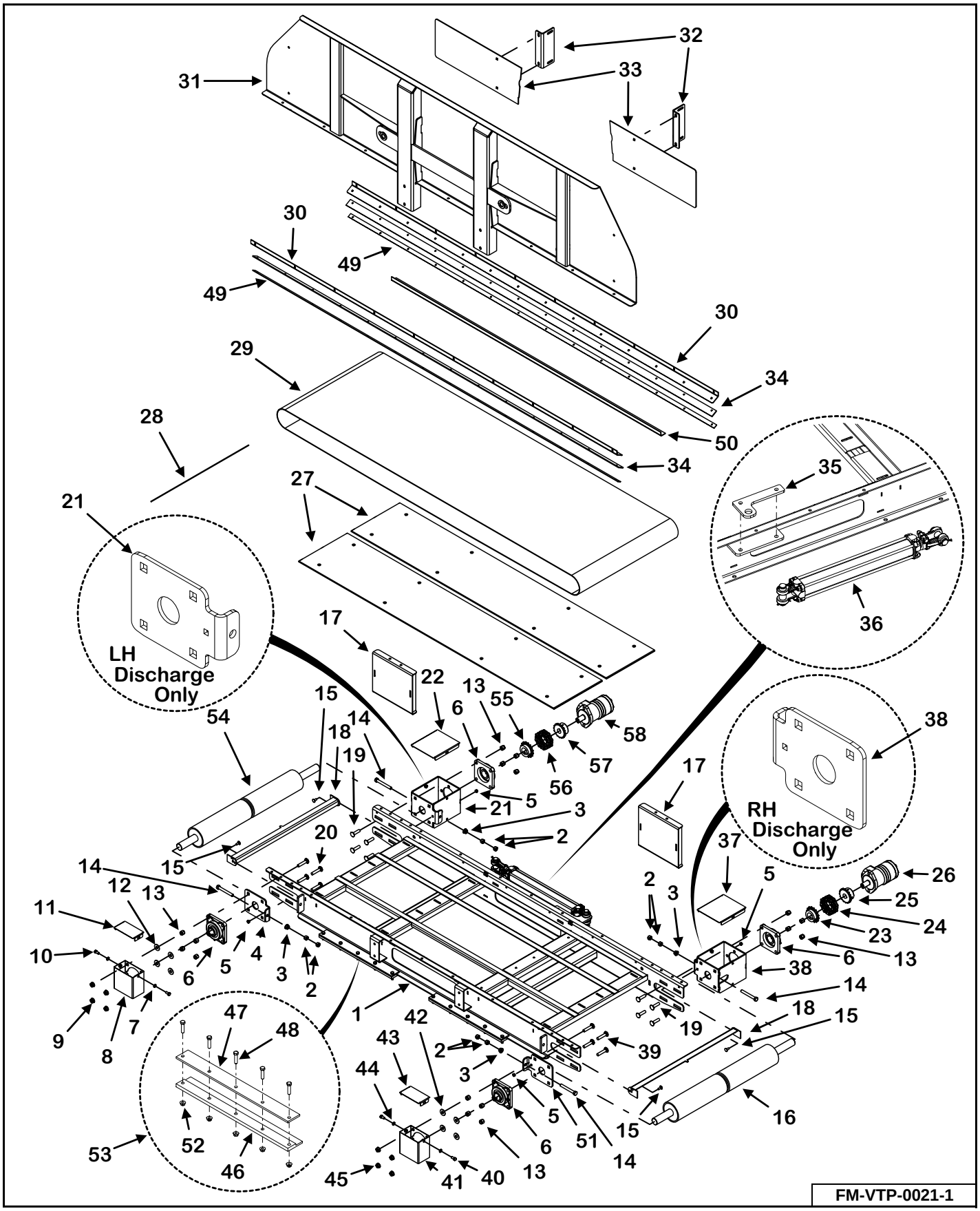
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	58-0002-407120	1	EZ2500V Scale Indicator Monitor With Serial Port	815 - 1215
	58-0002-407094	1	EZ2500V Scale Indicator Monitor	815 - 1215
	58-0002-404516	1	EZ2400V Scale Indicator Monitor	815 - 1215
2	58-0002-281023	1	EZ2810 Scale Indicator Monitor	815 - 1215
3	58-0002-408944	1	EZ3400V Scale Indicator Monitor	815 - 1215
4	58-0002-406552	1	EZ3600V Scale Indicator Monitor	815 - 1215
5	M9-1-12-0001	1	Front Mixer Mount	815 - 1215
	M9-1-12-0002	2	Truck Frame Mount	815 - 1215
6	58-0020	1	6-Point Mobil J-Box	815 - 1215
	58-0008	1	6-Point Mobil J-Box With Monitor Cable	815 - 1215
7	M9-1-8-0001	4	DB Bar Mount	815 - 1215
	881-7510-2.5Z	8	3/4”-10 x 2-1/2” Bolt	815 - 1215
8	58-0034-WT	4	2.875” x 14” Load Cell	815 - 1215
9	58-0043	1	10' Power Cord	815 - 1215
10	58-0029	1	Junction Box To Monitor Cable 30’	815 - 1215
11	M9-1-12-0004	1	Rear Mixer Mount	815 - 1215
	M9-1-12-0002	2	Truck Frame Mount	815 - 1215
NS	58-0002-410002	1	Pack RPM Sensor (No Extension Cable)	815 - 1215
NS	58-0002-408845	1	RPM Y-Alarm Cord	815 - 1215
NS	58-0002-SPC-1	1	8’ Printer/Computer Connector Lead	815 - 1215
NS	58-0002-SPC-3	1	24’ Printer/Computer Connector Lead	815 - 1215
NS	58-0038-2-1	1	Sensor RPM With Connector 6’	815 - 1215

MIXER



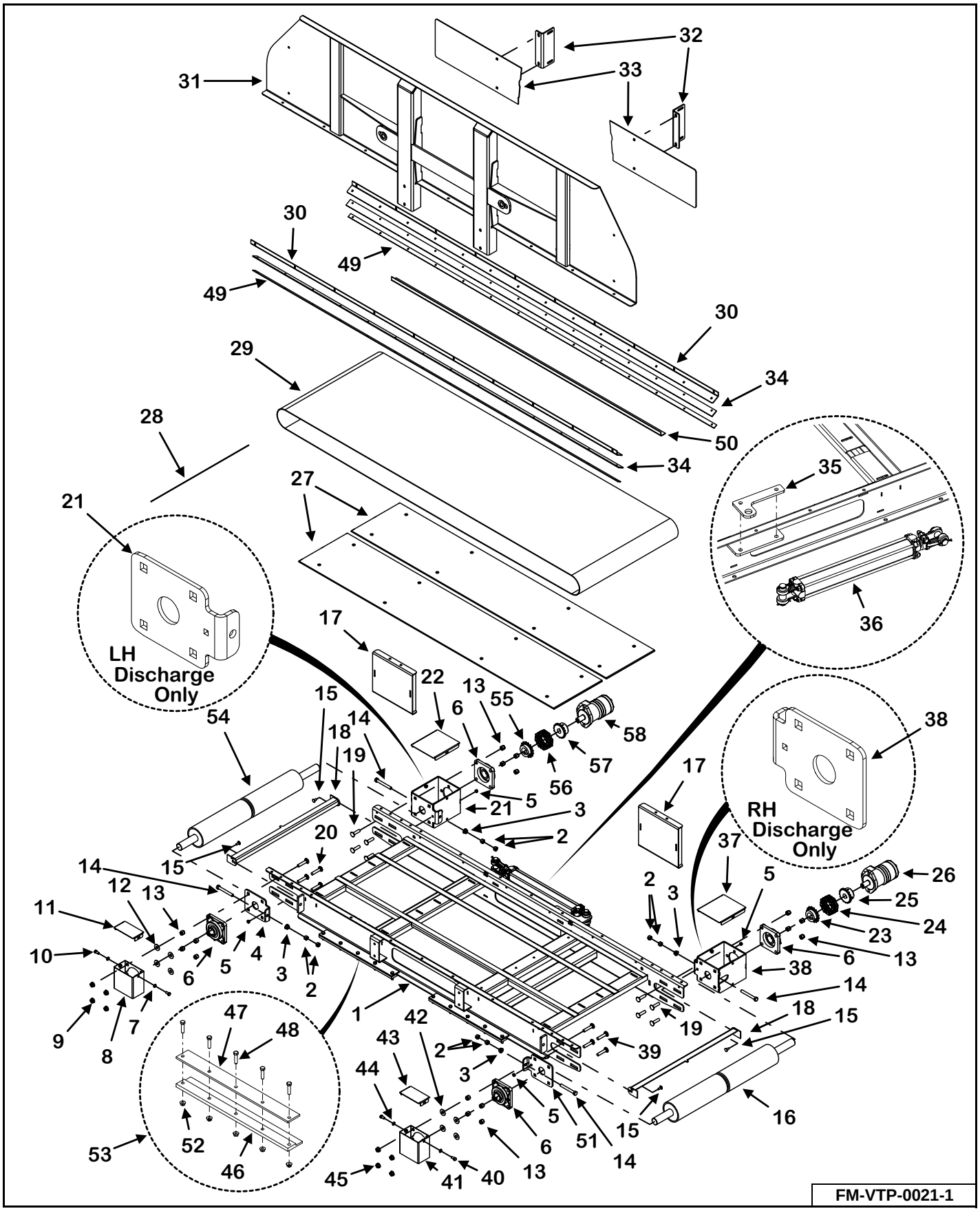
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-12-0012	1	Rear Door Chute Extension	815 - 1215
2	M7-1-8-0002	2	Hay Stop	815 - 1215
3	M7-1-8-0003	4	Hay Stop Handle	815 - 1215
4	851-3816-1.75Z	2	3/8”-16 x 1-3/4” Machine Bolt	815 - 1215
5	815-3816-Z	2	3/8”-16 Nylon Insert Lock Nut	815 - 1215
6	851-2520-.75Z	2	1/4”-20 x 3/4” Machine Bolt	815 - 1215
7	810-2520-Z	2	1/4” Spin Lock Nut	815 - 1215
8	32-0042	2	1/2” x 1-1/2” Clevis Pin With Clip	815 - 1215
9	851-5013-2Z	2	1/2”-13 x 2” Machine Bolt	815 - 1215
10	815-5013-Z	2	1/2”-13 Nylon Lock Nut	815 - 1215
11	M10-1-8-0003	1	Ladder Weldment	815
	M10-1-10-0003	1	Ladder Weldment	1015
	M10-1-12-0012	1	Ladder Weldment	1215
12	M6-1-8-0018	1	Front/Rear Door Deflector	815 - 1215
13	49-0450	2	Belt Skirting	815 - 1215
14	M2-1-10-0002	2	Planetary Mount Weldment	815P/1015C/1215
15	M2-1-8-0035-2	6	Auger Seal Belting	815 - 1215
	VAL-ASK-KIT	1	Complete Auger Seal Installation Kit With Weld On Seal Plate (Optional)	815 - 1215
16	M2-1-8-0035-3	2	Auger Seal Cover	815 - 1215
	851-3816-1Z	36	3/8”-16 x 1" Machine Bolt	815 - 1215
	815-3816-Z	36	3/8”-16 Nylon Lock Nut	815 - 1215
	VAL-ASK-KIT	1	Complete Auger Seal Installation Kit With Weld On Seal Plate (Optional)	815 - 1215
17	M2-1-10-0002-4	2	Auger Mount Pipe (Welded On)	815P/1015C/1215

FRONT FLAT BELT CONVEYOR



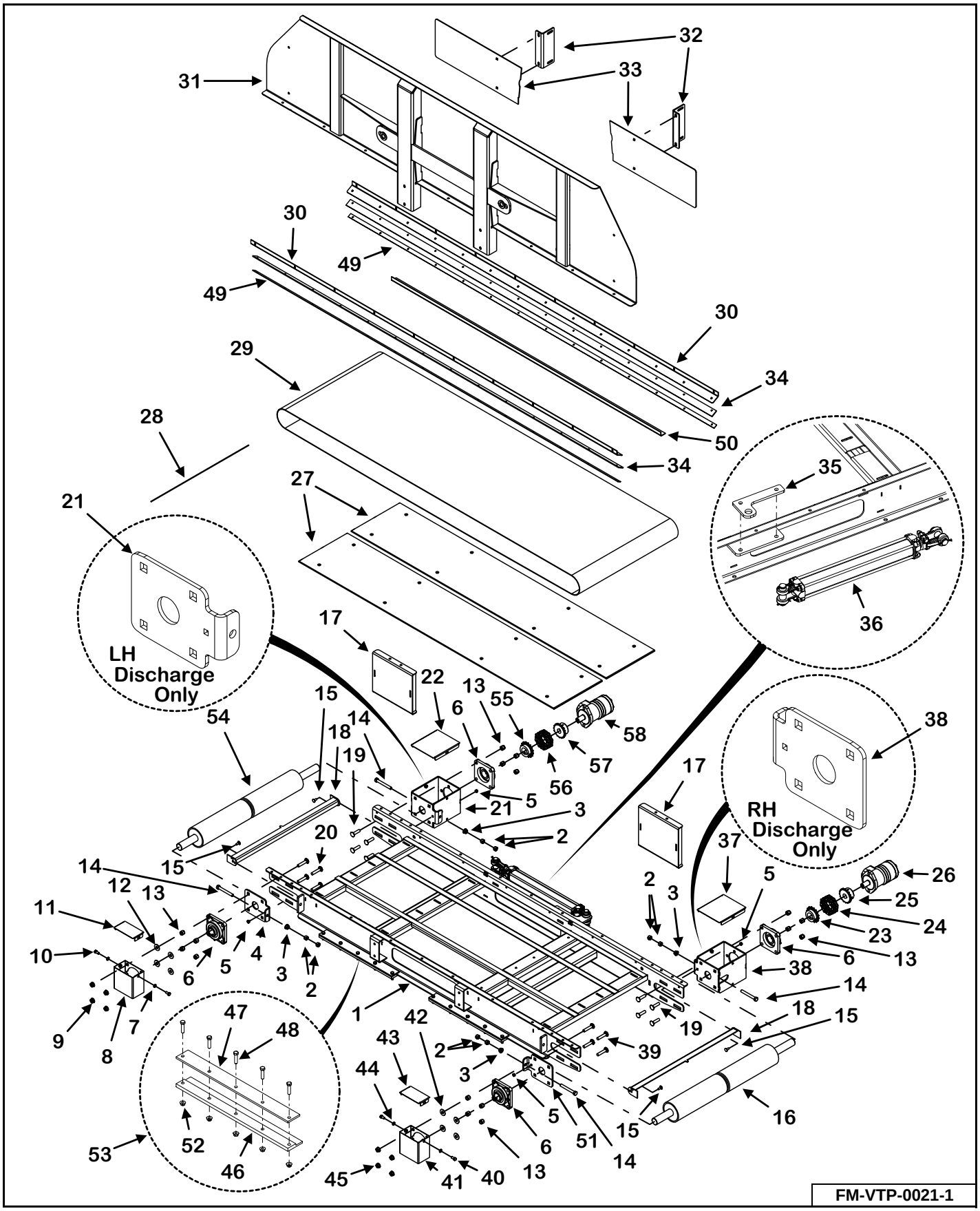
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTAL-FDB-36-LI	1	2 Motor Front Discharge Flat Belt Conveyor (Incline Ready)	815 - 1215
1	M3-1-10-0017-1	1	Incline Base Conveyor Weldment	815 - 1215
2	813-5013-Z	8	1/2”-13 Nut	815 - 1215
3	810-5013-Z	4	1/2” Spin Lock Nut	815 - 1215
4	M3-1-5-0044-1	2	Front Conveyor Bearing Mount	815 - 1215
	See Page 134	1	Bearing Mount Weldment (RH Power Magnet)	815 - 1215
5	814-3118-Z	4	5/16”-18 Indented Lock Nut	815 - 1215
6	14-0070	4	1-1/2” 4-Bolt Bearing Narrow Inner Race	815 - 1215
7	822-0038-Z	2	3/8” Split Lock Washer (RH Discharge)	815 - 1215
8	M3-1-8-0047	1	Shaft Cover Weldment (RH Discharge)	815 - 1215
9	810-5013-Z	4	1/2” Spin Lock Nut (RH Discharge)	815 - 1215
10	851-3816-.75Z	2	3/8”-16 x 3/4” Machine Bolt (RH Discharge)	815 - 1215
11	M3-1-8-0048	1	Shaft Cover Plate (RH Discharge)	815 - 1215
12	805-0050-Z	4	1/2” Flat Washer (RH Discharge)	815 - 1215
13	815-5013-Z	16	1/2”-13 Nylon Lock Nut	815 - 1215
14	830-5013-4Z	4	1/2”-13 x 4” Tap Bolt Full Threaded	815 - 1215
15	850-3118-.75Z	4	5/16”-18 x 3/4” Carriage Bolt	815 - 1215
16	23-0269	1	Drive Pulley Urethane Lagged (LH Discharge)	815 - 1215
	23-0257	1	Idler Pulley (RH Discharge)	815 - 1215
17	M3-1-10-0022	2	Conveyor Shield Weldment (Front Flat Sliding Conveyor Only)	815 - 1215
18	M3-1-10-0023	2	Conveyor Pulley Scraper	815 - 1215
19	850-5013-2Z	8	1/2”-13 x 2” Carriage Bolt	815 - 1215
20	850-5013-2.5Z	4	1/2”-13 x 2-1/2” Carriage Bolt (RH Discharge)	815 - 1215
	850-5013-2Z	4	1/2”-13 x 2” Carriage Bolt (LH Discharge)	815 - 1215
21	M3-1-8-0046	1	Front Conveyor Motor Mount Weldment (RH Discharge)	815 - 1215
	M3-1-5-0044-1	1	Front Conveyor Bearing Mount (LH Discharge)	815 - 1215
	See Page 134	1	Motor Mount Weldment (RH Power Magnet)	815 - 1215
22	M3-1-8-0045	1	Chain Coupler Cover Plate (RH Discharge)	815 - 1215
	851-3816-.75Z	2	3/8”-16 x 3/4” Machine Bolt (RH Discharge)	815 - 1215
	822-0038-Z	2	3/8” Split Lock Washer (RH Discharge)	815 - 1215
23	110-50B16-1.50-1	1	Coupler Sprocket (LH Discharge)	815 - 1215
	35-0006	1	Key (LH Discharge)	815 - 1215
24	37-0013-2	1	Coupler Chain (LH Discharge)	815 - 1215
25	37-0013-1	1	Coupler Sprocket (LH Discharge)	815 - 1215
26	See Page 72	1	12.1 Cubic Inch 2-Bolt Motor (LH Discharge)	815 - 1215
	135-2525-1.25-1	1	Key (LH Discharge)	815 - 1215

FRONT FLAT BELT CONVEYOR (CONT'D)



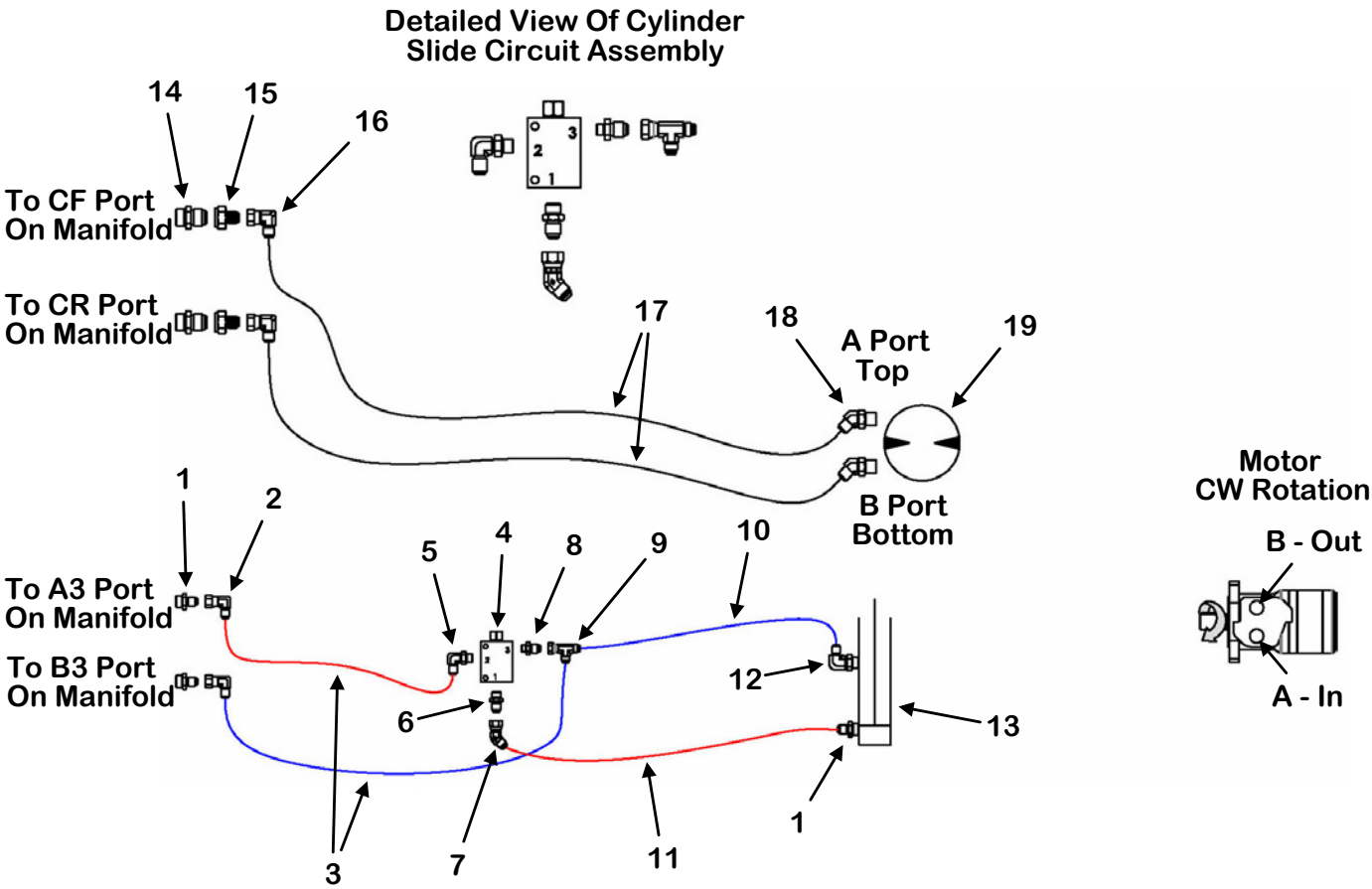
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
27	M3-1-10-0019	2	Front Belt Discharge Conveyor Floor	815 - 1215
	803-3118-1Z	16	5/16”-18 x 1” Flat Socket Head Cap Screw	815 - 1215
	805-0031-Z	16	5/16” Flat Washer	815 - 1215
	815-3118-Z	16	5/16”-18 Nylon Insert Lock Nut	815 - 1215
28	49-0156-6-AS	1	Conveyor Belt Lacing Pin Kit	815 - 1215
29	49-0156-MB	1	Front Conveyor Mini Bite Belt	815 - 1215
30	M3-1-10-0017-7	2	Front Conveyor Skirt Bracket	815 - 1215
31	M3-1-10-0018	1	Base Conveyor Front Panel Weldment	815 - 1215
32	M3-1-8-0028	2	Front Conveyor Shield Mounting Bracket	815 - 1215
33	M3-1-10-0009	1	Front Conveyor Shield, Left (Flat Sliding Conveyors)	815 - 1215
	M3-1-10-0008	1	Front Conveyor Shield, Right (Flat Sliding Conveyors)	815 - 1215
34	49-0336	2	Base Conveyor Skirting	815 - 1215
35	M3-1-8-0027	1	Front Conveyor Cylinder Mount (Front Flat Sliding Conveyor Only)	815 - 1215
	851-5013-1.75Z	2	1/2”-13 x 1-3/4” Machine Bolt (Front Flat Sliding Conveyor Only)	815 - 1215
	810-5013-Z	2	1/2” Spin Lock Nut (Front Flat Sliding Conveyor Only)	815 - 1215
36	See Page 72	1	Front Flat Belt Conveyor Hydraulic Schematic	815 - 1215
37	M3-1-8-0045	1	Chain Coupler Cover Plate (LH Discharge)	815 - 1215
	851-3816-.75Z	2	3/8”-16 x 3/4” Machine Bolt (LH Discharge)	815 - 1215
	822-0038-Z	2	3/8” Split Lock Washer (LH Discharge)	815 - 1215
38	M3-1-8-0046	1	Front Conveyor Motor Mount Weldment (LH Discharge)	815 - 1215
	M3-1-5-0044-1	1	Front Conveyor Bearing Mount (RH Discharge)	815 - 1215
	See Page 134	1	Motor Mount Weldment (LH Power Magnet)	815 - 1215
39	850-5013-2.5Z	4	1/2”-13 x 2-1/2” Carriage Bolt (LH Discharge)	815 - 1215
	850-5013-2Z	4	1/2”-13 x 2” Carriage Bolt (RH Discharge)	815 - 1215
40	851-3816-.75Z	2	3/8”-16 x 3/4” Machine Bolt (LH Discharge)	815 - 1215
41	M3-1-8-0047	1	Shaft Cover Weldment (LH Discharge)	815 - 1215
42	805-0050-Z	4	1/2” Flat Washer (LH Discharge)	815 - 1215
43	M3-1-8-0048	1	Shaft Cover Plate (LH Discharge)	815 - 1215
44	822-0038-Z	2	3/8” Split Lock Washer (LH Discharge)	815 - 1215
45	810-5013-Z	4	1/2” Spin Lock Nut (LH Discharge)	815 - 1215

FRONT FLAT BELT CONVEYOR (CONT'D)



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
46	M3-1-8-0053	4	Conveyor Bottom Slide (Flat Sliding Conveyor Only)	815 - 1215
47	M3-1-8-0052	4	Conveyor Slide Cap (Flat Sliding Conveyor Only)	815 - 1215
48	851-3816-1.5Z	20	3/8”-16 x 1-1/2” Hex Cap Screw	815 - 1215
49	M3-1-10-0017-8	2	Front Conveyor Skirt Backer	815 - 1215
50	M3-1-10-0017-4	1	Floor Seal	815 - 1215
51	M3-1-5-0044-1	1	Front Conveyor Bearing Mount	815 - 1215
	See Page 134	1	Bearing Mount Weldment (LH Power Magnet)	815 - 1215
52	810-3816-Z	20	3/8”-16 Spin Lock Nut	815 - 1215
53	M3-1-8-0053-AS	4	Conveyor Bottom Slide With Cap & Hardware	815 - 1215
54	23-0269	1	Drive Pulley Urethane Lagged (RH Discharge)	815 - 1215
	23-0257	1	Idler Pulley (LH Discharge)	815 - 1215
55	110-50B16-1.50-1	1	Coupler Sprocket (RH Discharge)	815 - 1215
	35-0006	1	Key (RH Discharge)	815 - 1215
56	37-0013-2	1	Coupler Chain (RH Discharge)	815 - 1215
57	37-0013-1	1	Coupler Sprocket (RH Discharge)	815 - 1215
58	See Page 72	1	12.1 Cubic Inch 2-Bolt Motor (RH Discharge)	815 - 1215
	135-2525-1.25-1	1	Key (RH Discharge)	815 - 1215

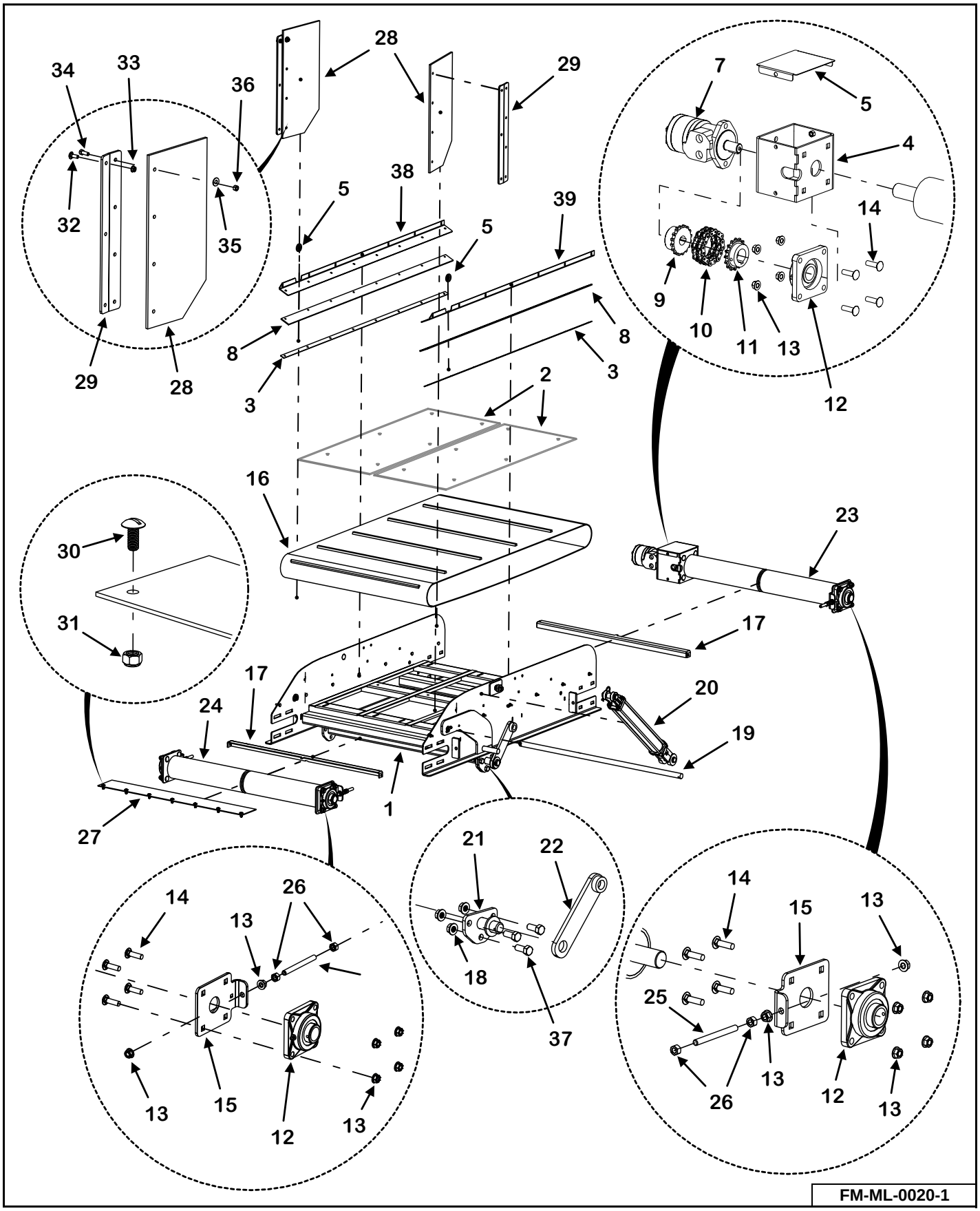
FRONT FLAT BELT CONVEYOR HYDRAULIC SCHEMATIC



FM-VTP-0015-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-6400-6-8	3	#6 JIC Male, #8 ORB Male Straight Connector
2	155-6500-06-06	2	#6 JIC Male, #6 JIC Female Swivel 90°
3	155-04R17-42-1	2	1/4” x 42” Hose Assembly
4	155-PEA-4	1	Cylinder Slide Circuit Assembly
5	155-6801-06-06	1	#6 JIC Male, #6 ORB Male 90°
6	155-6400-06-06	1	#6 JIC Male, #6 ORB Male Straight Connector
7	155-6502-06-06	1	#6 JIC Male, #6 JIC Female Swivel 45°
8	155-6400-06-04	1	#6 JIC Male, #4 ORB Male Straight Connector
9	155-6602-06-06-06	1	#8 JIC Male, #8 JIC Female Swivel, #8 JIC Male Tee Connector
10	155-04R17-28-1	1	1/4” x 28” Hose Assembly
11	155-04R17-19-1	1	1/4” x 19” Hose Assembly
12	155-6801-6-8	1	#6 JIC Male, #8 ORB Male 90°
13	155-2-16-1.125-1	1	2” x 16” x 1-1/8” Hydraulic Cylinder
14	155-6400-12-12	2	#12 JIC Male, #12 ORB Male Straight Connector
15	155-2406-12-08	2	#12 JIC Female, #8 JIC Male Straight Adapter
16	155-6500-08-08	2	#8 JIC Male, #8 JIC Female Swivel 90°
17	155-08R17-124-1	2	1/2” x 124” Hose Assembly
18	155-6802-8-19	2	#8 JIC Male, #10 ORB Male 45°
19	155-BMRSY-12.25-1	1	12.25 Cubic Inch 2-Bolt Motor

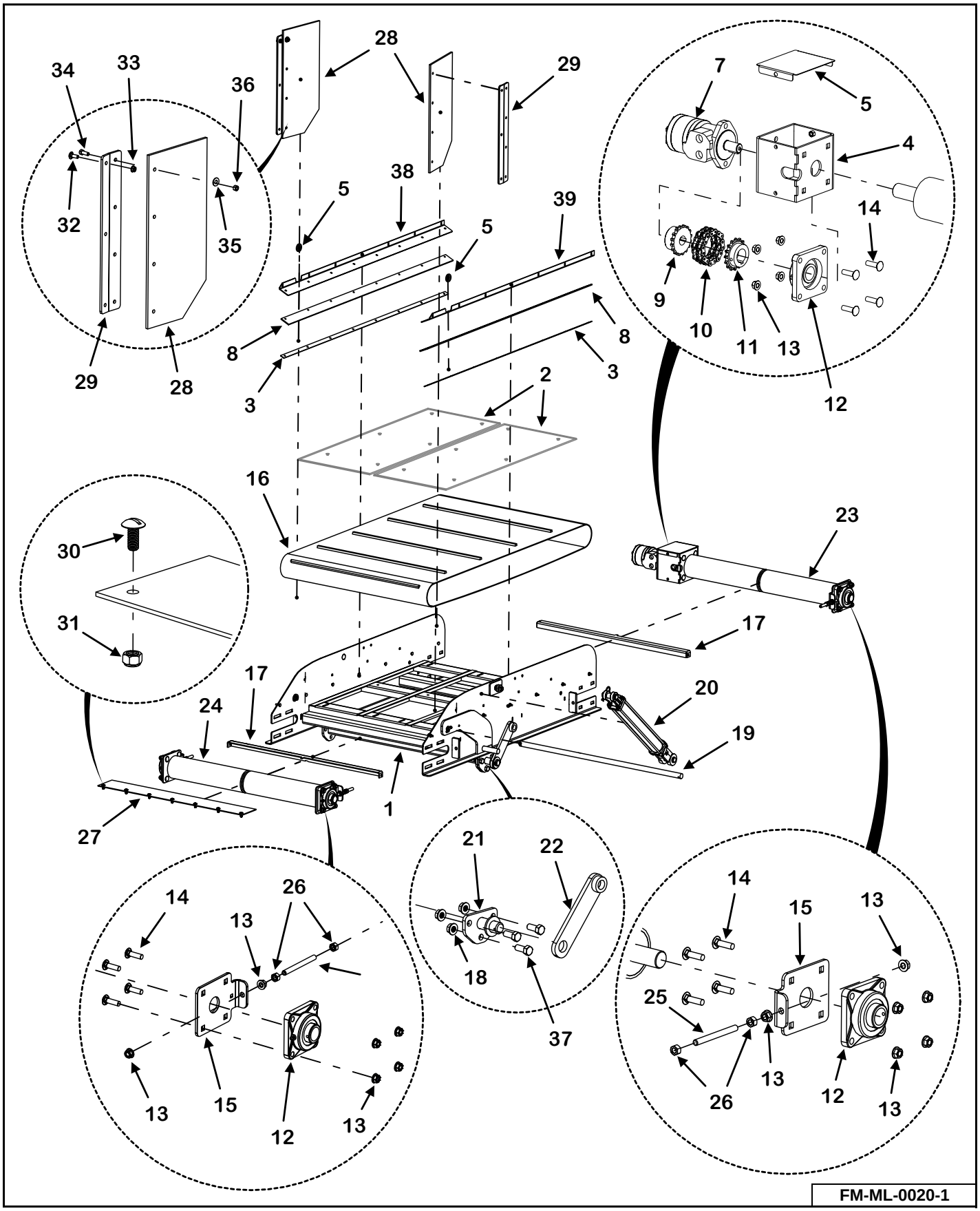
SIDE DISCHARGE BELT CONVEYOR



FM-ML-0020-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTALP-DBI-42-36-S	1	42” x 36” Side Belt Conveyor Complete	815 - 1215
1	M3-1-7-0044-1	1	42” x 24” Belt Conveyor Frame Weldment	815 - 1215
	M3-1-7-0035-1	1	42” x 36” Belt Conveyor Frame Weldment	815 - 1215
	M3-1-7-0041-1	1	42” x 48” Belt Conveyor Frame Weldment	815 - 1215
	M3-1-7-0039-1	1	42” x 60” Belt Conveyor Frame Weldment	815 - 1215
2	M3-1-7-0046	2	24” Side Belt Discharge Conveyor Floor	815 - 1215
	M3-1-7-0036	2	36” Side Belt Discharge Conveyor Floor	815 - 1215
	M3-1-7-0042	2	48” Side Belt Discharge Conveyor Floor	815 - 1215
	M3-1-7-0040	2	60” Side Belt Discharge Conveyor Floor	815 - 1215
3	M3-1-7-0044-7	2	24” Incline Skirt Backer	815 - 1215
	M3-1-4-0035-4	2	36” Incline Skirt Backer	815 - 1215
	M3-1-4-0031-7	2	48” Incline Skirt Backer	815 - 1215
	M3-1-4-0051-7	2	60” Incline Skirt Backer	815 - 1215
4	M3-1-5-0049	1	Front Conveyor Motor Bracket	815 - 1215
5	M3-1-4-0057-1-4	2	Pivot Spacer	815 - 1215
6	M3-1-8-0006	1	Coupler Cover Plate	815 - 1215
7	See Page 78	1	Hydraulic Motor	815 - 1215
8	49-0351	2	24” Incline Side Skirting	815 - 1215
	49-0347	2	36” Incline Side Skirting	815 - 1215
	49-0345	2	48” Incline Side Skirting	815 - 1215
	49-0343	2	60” Incline Side Skirting	815 - 1215
9	37-0013-1	1	Unit Coupler, 1” Bore 1/4” Keyway	815 - 1215
10	37-0013-2	1	Unit Coupler Chain, #50 16 Double With Connector	815 - 1215
11	110-50B16-1.50-1	1	Chain Coupler Sprocket 1.5 Bore x 0.375” Keyway	815 - 1215
	35-0006	1	3/8” x 3/8” x 1-1/4” Key	815 - 1215
12	14-0070	4	1-1/2” - 4 Bolt Bearing	815 - 1215
13	810-5013-Z	22	1/2” Spin Lock Nut (42” x 36” Belt Conveyor)	815 - 1215
	810-5013-Z	24	1/2” Spin Lock Nut (42” x 24”, 42” x 48”, 42” x 60” Belt Conveyor)	815 - 1215
14	850-5013-1.75Z	16	1/2”-13 x 1-3/4” Carriage Bolt, Grade 5	815 - 1215
15	M3-1-8-0002	3	Front Conveyor Bearing Mount	815 - 1215
16	49-0219	1	41.38” x 73” Belt, (42” x 24” Belt Conveyor).	815 - 1215
	49-0193-MB	1	41.38” x 93” Belt, (42” x 36” Belt Conveyor)	815 - 1215
	49-0199	1	41.38” x 117” Belt, (42” x 48” Belt Conveyor)	815 - 1215
	49-0198-MB	1	41.38” x 141” Belt, (42” x 60” Conveyor)	815 - 1215
	49-0193-3-AS	1	42” Conveyor Steel Belt Lacing Pin	815 - 1215
17	M3-1-7-0052	2	Conveyor Idler Roll Scraper	815 - 1215
	850-3118-.75Z	4	5/16”-18 x 3/4” Carriage Bolt	815 - 1215
	814-3118-Z	4	5/16”-18 Indented Locknut	815 - 1215

SIDE DISCHARGE BELT CONVEYOR (CONT'D)

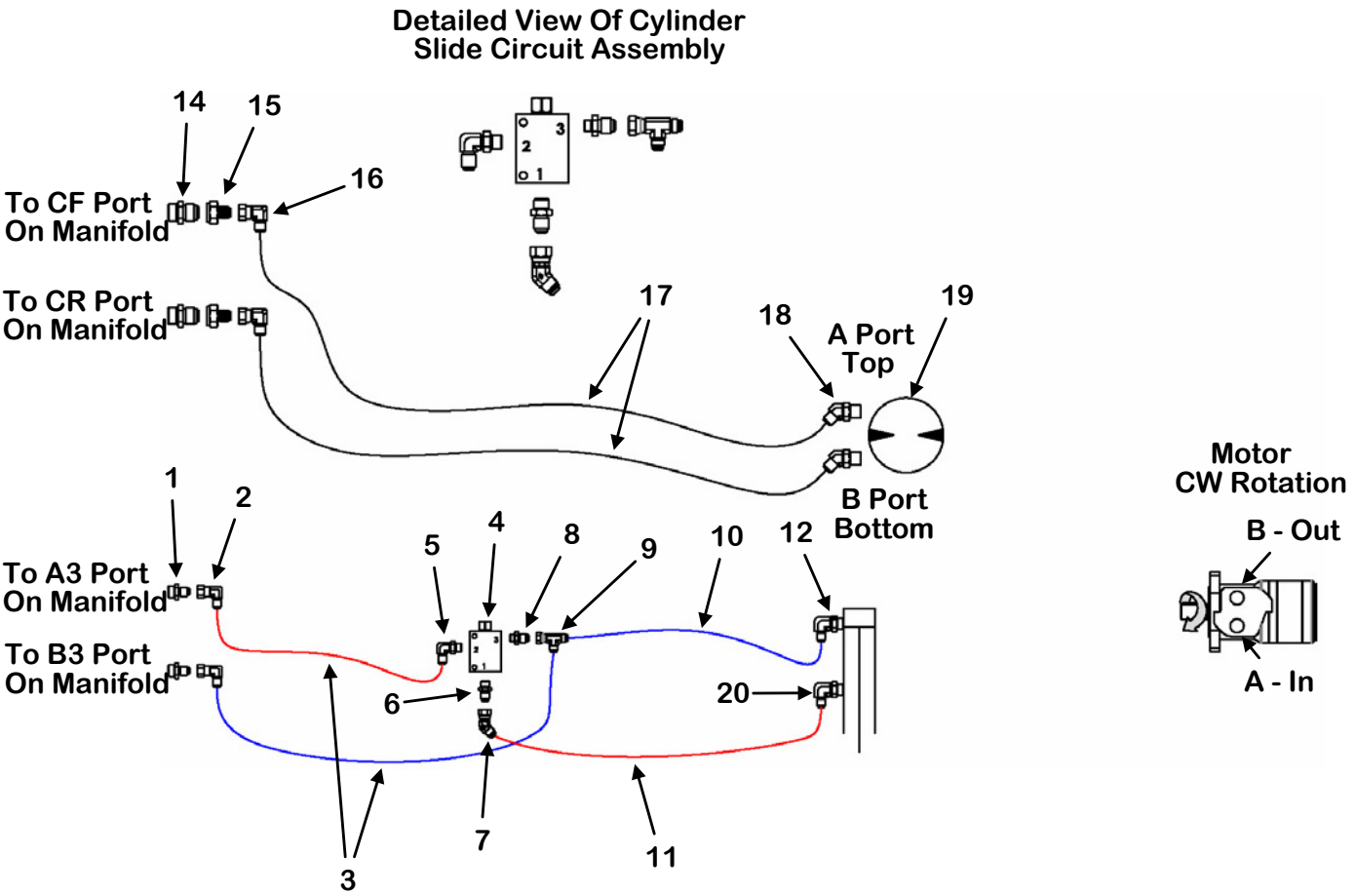


FM-ML-0020-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
18	810-6311-Z	3	5/8” Spin Locknut	815 - 1215
19	M3-1-7-0029	1	Chute Pivot Rod 1” Diameter x 45-1/4”	815 - 1215
20	See Page 78	1	Hydraulic Cylinder	815 - 1215
21	M3-1-4-0005	1	Extension Hydraulic Mount Weldment	815 - 1215
22	M3-1-4-0006	1	Conveyor Link Arm Weldment	815 - 1215
23	23-0266	1	1.5 Shaft x 49.375” Drive Pulley	815 - 1215
24	23-0265	1	1.5 Shaft x 48.25” Cross Conveyor Idler Pulley	815 - 1215
25	830-5013-4Z	3	Tap Bolt, 1/2”-13 x 4”	815 - 1215
26	813-5013-Z	6	1/2”-13 Nut	815 - 1215
27	49-0171	1	Door Frame Seal	815 - 1215
28	M3-1-4-0024	2	Door Deflector (Belting)	815 - 1215
29	M3-1-4-0025	2	Belt Chute Deflector	815 - 1215
30	802T-3118-.75Z	7	5/16”-18 x 3/4” Truss Head Screw	815 - 1215
31	815-3118-Z	7	5/16”-18 Nylon Insert Lock Nut, Left Side	815 - 1215
32	850-3816-1Z	6	3/8”-16 x 1” Carriage Bolt, Grade 5	815 - 1215
33	810-3816-Z	6	3/8” Spin Lock Nut	815 - 1215
34	851-3816-1Z	8	3/8”-16 x 1” Grade 5 Machine Bolt	815 - 1215
35	805-0038-Z	4	3/8” Flat Washer	815 - 1215
36	815-3816-Z	8	3/8”-16 Nylon Insert Lock Nut	815 - 1215
37	851-6311-1.5Z	3	5/8”-11 x 1-1/2” Grade 5 Machine Bolt	815 - 1215
38	M3-1-7-0044-5	1	24” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0035-5	1	36” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0031-5	1	48” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0051-5	1	60” Incline Side Skirt Bracket	815 - 1215
39	M3-1-7-0044-6	1	24” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0035-6	1	36” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0031-6	1	48” Incline Side Skirt Bracket	815 - 1215
	M3-1-4-0051-6	1	60” Incline Side Skirt Bracket	815 - 1215

SIDE DISCHARGE INCLINE BELT CONVEYOR HYDRAULIC SCHEMATIC

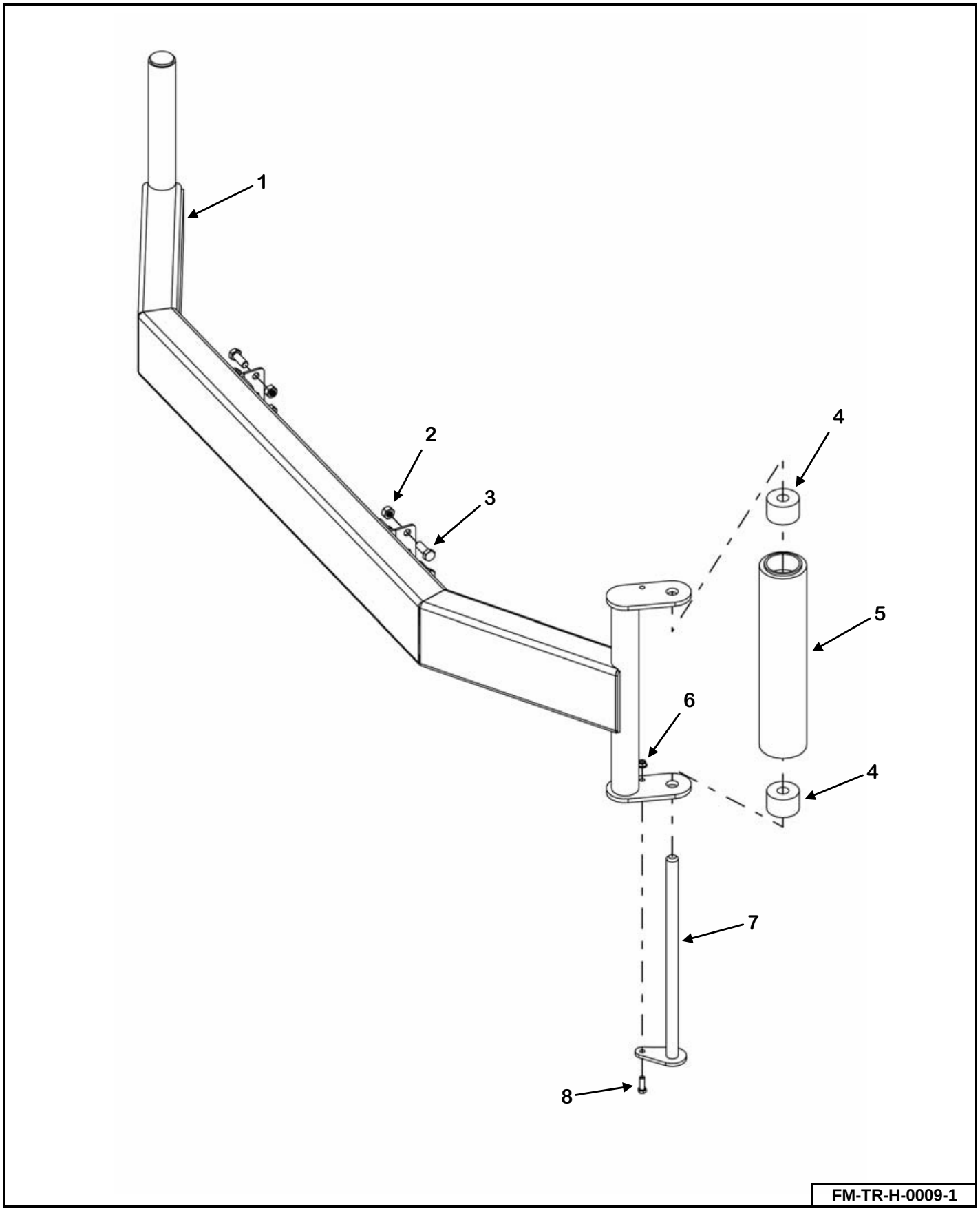
MODELS 815 / 1015 / 1215: (42” X 36” BELT CONVEYOR)



FM-VTP-0017-1

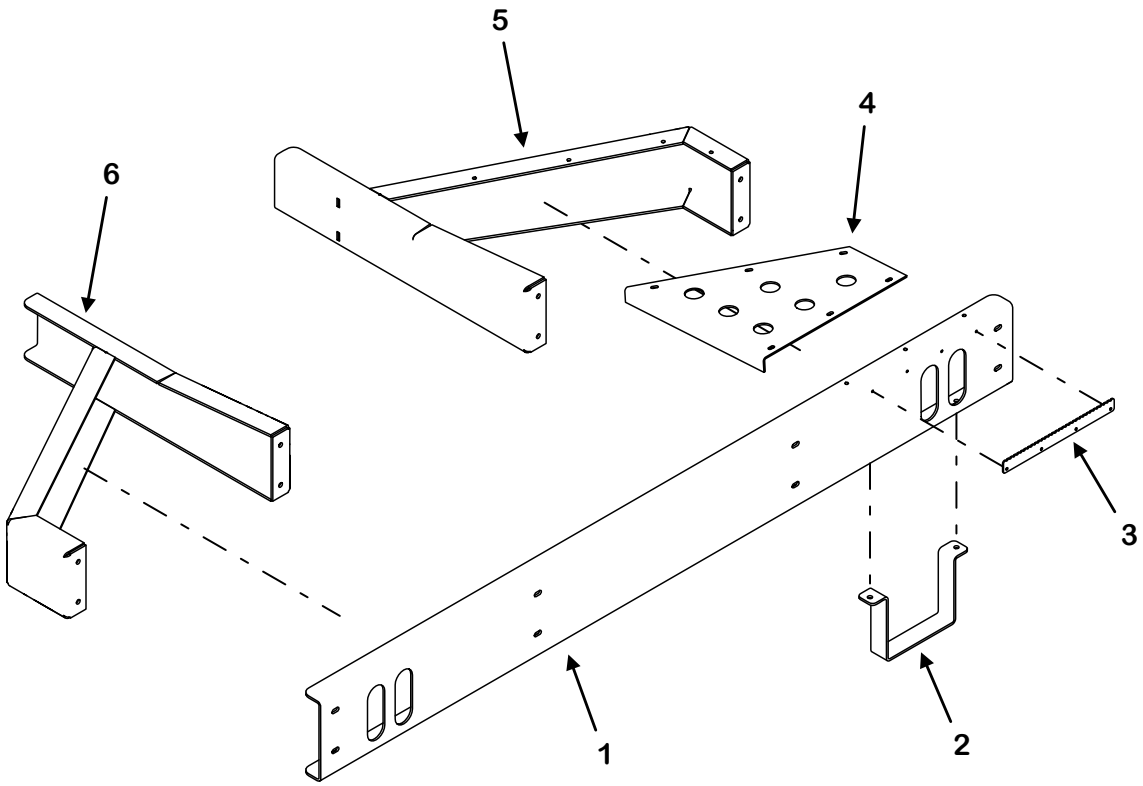
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-6400-6-8	2	#6 JIC Male, #8 ORB Male Straight Connector
2	155-6500-06-06	2	#6 JIC Male, #6 JIC Female Swivel 90°
3	155-04R17-42-1	2	1/4” x 42” Hose Assembly
4	155-PEA-4	1	Cylinder Slide Circuit Assembly
5	155-6801-06-06	1	#6 JIC Male, #6 ORB Male 90°
6	155-6400-06-06	1	#6 JIC Male, #6 ORB Male Straight Connector
7	155-6502-06-06	1	#6 JIC Male, #6 JIC Female Swivel 45°
8	155-6400-06-04	1	#6 JIC Male, #4 ORB Male Straight Connector
9	155-6602-06-06-06	1	#8 JIC Male, #8 JIC Female Swivel, #8 JIC Male Tee Connector
10	155-04R17-193-1	1	1/4” x 193” Hose Assembly
11	155-04R17-173-1	1	1/4” x 173” Hose Assembly
12	155-6801-6-8	1	#6 JIC Male, #8 ORB Male 90°
13	155-2-16-1.125-1	1	2” x 16” x 1-1/8” Hydraulic Cylinder
14	155-6400-12-12	2	#12 JIC Male, #12 ORB Male Straight Connector
15	155-2406-12-08	2	#12 JIC Female, #8 JIC Male Straight Adapter
16	155-6500-08-08	2	#8 JIC Male, #8 JIC Female Swivel 90°
17	155-08R17-124-1	2	1/42 x 124” Hose Assembly
18	155-6802-8-19	2	#8 JIC Male, #10 ORB Male 45°
19	155-BMRSY-12.25-1	1	12.25 Cubic Inch 2-Bolt Motor
20	155-6801-6-8-55	1	#6 JIC Male, #8 ORB Male 90°

FRONT BUMPER



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M13-1-12-0020	1	Front Bumper Weldment	815 - 1215
2	884-7510-Z	6	3/4”-10 Top Lock Nut	815 - 1215
3	851-7510-2Z	6	3/4”-10 x 2” Hex Cap Screw	815 - 1215
4	M13-1-12-0013-4	2	Bunk Roller Bearing	815 - 1215
5	M13-1-12-0013-2	1	Bunk Roller Weldment	815 - 1215
6	810-5013-Z	1	1/2”-13 Spin Lock Nut	815 - 1215
7	M13-1-12-0013-3	1	Bunk Roller Pin Weldment	815 - 1215
8	851-5013-1.5Z	1	1/2”-13 x 1-1/2” Hex Cap Screw	815 - 1215

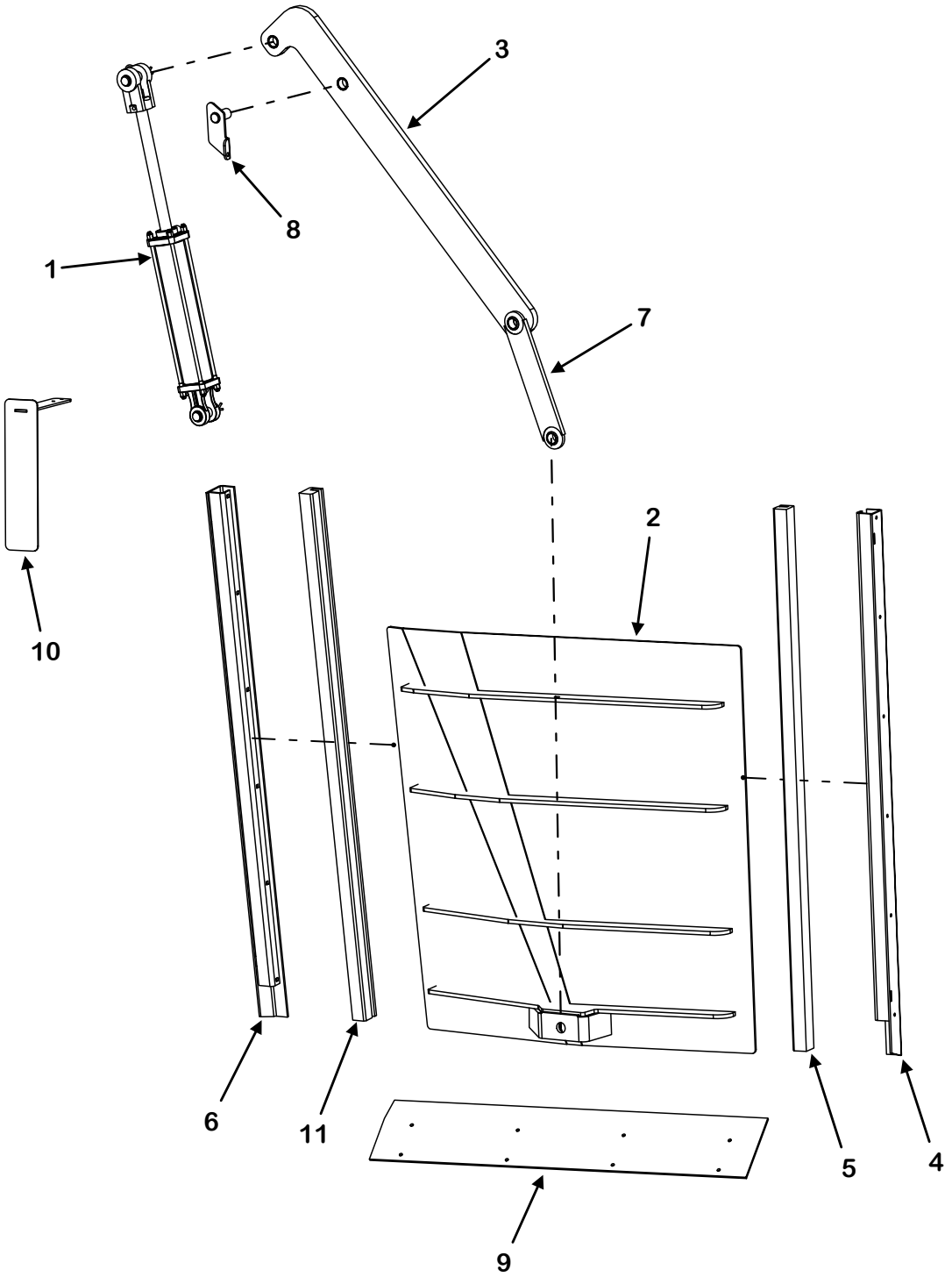
REAR BUMPER



FM-TR-M-0001-2

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M13-1-7-0001	1	Rear Bumper	815 - 1215
2	M13-1-12-0005	1	Bumper Drop Step	815 - 1215
3	M13-1-12-0006	1	Bumper Step	815 - 1215
4	M13-1-12-0004	1	Rear Bumper Step Insert	815 - 1215
5	M13-1-12-0003	1	Right Rear Bumper Mount Weldment	815 - 1215
6	M13-1-12-0002	1	Left Rear Bumper Mount Weldment	815 - 1215

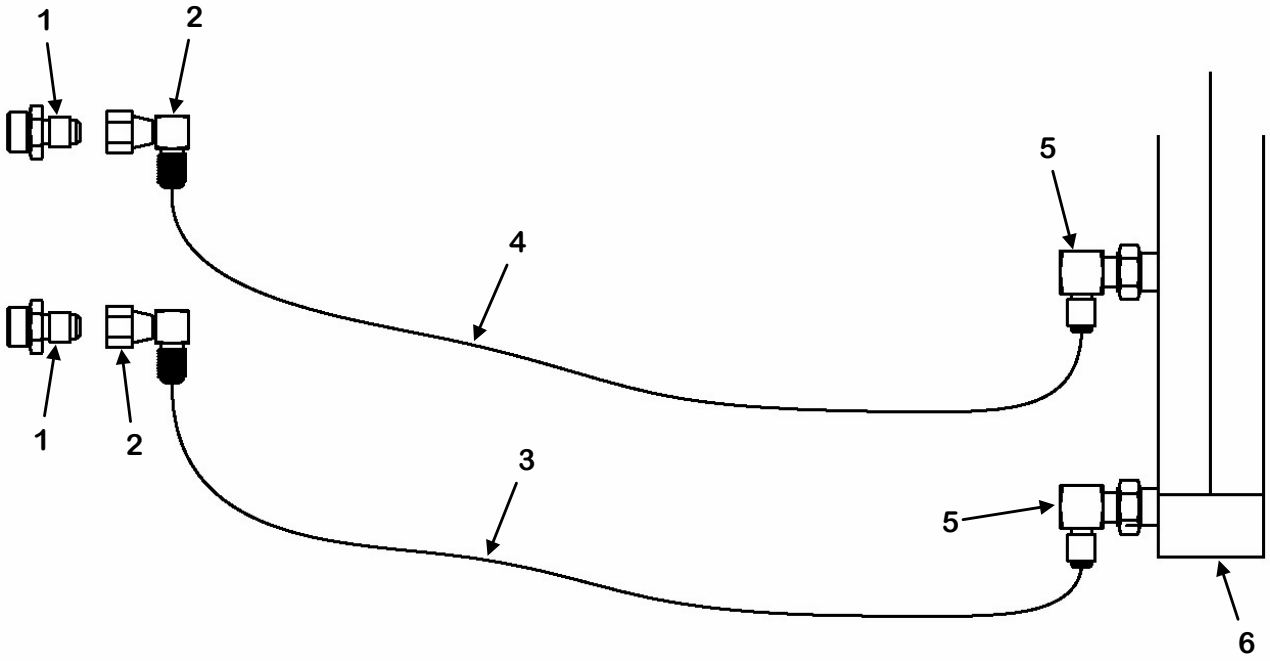
DOOR



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	815 - 1215
2	M6-1-8-0005	1	Rear / Front Door Weldment	815 - 1215
	M6-1-8-0011	1	Left Front / Right Rear Side Door Weldment	815 - 1215
	M6-1-8-0014	1	Right Front / Left Rear Side Door Weldment	815 - 1215
3	M6-1-8-0006	1	Rear / Front Door Arm	815 - 1215
	M6-1-8-0012	1	Left / Right Door Arm	815 - 1215
	M6-1-8-0006-2	2	Spring Bushing 1” ID x 1-1/4” OD x 3/4”	815 - 1215
4	M6-1-8-0002	1	Right Door Frame Guide Assembly	815 - 1215
5	M6-1-10-0007-R	1	Right Poly Door Slide (Facing Door)	815 - 1215
	850-3118-2.5Z	6	Carriage Bolt, 5/16”-18 x 2-1/2”	815 - 1215
	814-3118-Z	6	Indented Lock Nut, 5/16”-18	815 - 1215
6	M6-1-8-0004	1	Left Door Frame Guide Assembly	815 - 1215
7	M6-1-8-0008	1	Door Link Arm Assembly	815 - 1215
	851-1008-3Z	2	Machine Bolt, 1”-8 x 3”	815 - 1215
	815-1008-Z	2	Lock Nut, 1”-8 Nylon Insert	815 - 1215
8	M6-1-8-0009	1	Front & Rear Door Link Pivot Pin Assembly	815 - 1215
	M6-1-8-0015	1	Front Left / Rear Right Door Pivot Pin Assembly	815 - 1215
	M6-1-8-0016	1	Front Right / Rear Left Door Pivot Pin Assembly	815 - 1215
	851-3816-1.25Z	1	3/8”-16 x 1-1/4” Machine Bolt	815 - 1215
	805-0038-Z	2	3/8” Flat Washer	815 - 1215
	815-3816-Z	1	3/8”-16 Nylon Insert Lock Nut	815 - 1215
9	M11-1-0019	1	Magnet Cover Plate (Side Door Only)	815 - 1215
10	46-M-0006	AR	Door Open Indicator Decal	815 - 1215
11	M6-1-10-0007-L	1	Left Poly Door Slide (Facing Door)	815 - 1215
	850-3118-2.5Z	6	Carriage Bolt, 5/16”-18 x 2-1/2”	815 - 1215
	814-3118-Z	6	Indented Lock Nut, 5/16”-18	815 - 1215

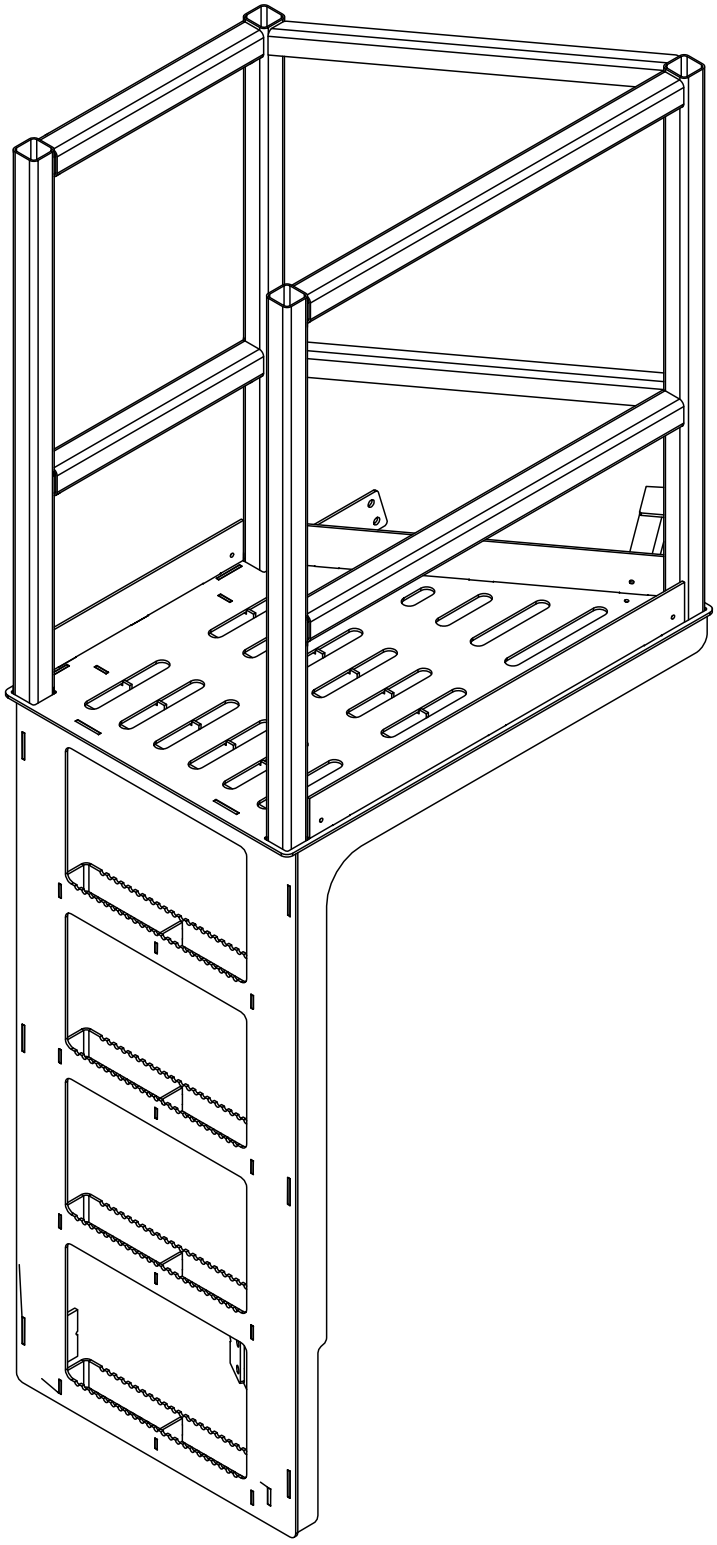
DOOR HYDRAULIC SCHEMATIC FRONT / LEFT / RIGHT / REAR DOOR



FM-VTP-0007-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	155-6400-6-8	2	#6 JIC Male #8 ORB Male Straight Connector	815 - 1215
2	155-6500-06-06	2	#6 JIC Male #6 JIC Female Swivel 90°	815 - 1215
3	155-04R17-52-1	1	1/4” x 52” Hose Assembly (Front Door)	815 - 1215
	155-04R17-162-1	1	1/4” x 162” Hose Assembly (Left Door)	815 - 1215
	155-04R17-28-1	1	1/4” x 28” Hose Assembly (Right Door)	815 - 1215
	155-04R17-289-1	1	1/4” x 289” Hose Assembly (Left Rear Door)	815 - 1215
	155-04R17-256-1	1	1/4” x 256” Hose Assembly (Right Rear Door)	815 - 1215
	155-04R17-289-1	1	1/4” x 289” Hose Assembly (Rear Door w/ Front Door)	815 - 1215
	155-04R17-289-1	1	1/4” x 289” Hose Assembly (Rear Door w/ Side Door)	815 - 1215
4	155-04R17-70-1	1	1/4” x 70” Hose Assembly (Front Door)	815 - 1215
	155-04R17-177-1	1	1/4” x 177” Hose Assembly (Left Door)	815 - 1215
	155-04R17-40-2	1	1/4” x 40” Hose Assembly (Right Door)	815 - 1215
	155-04R17-304-1	1	1/4” x 304” Hose Assembly (Left Rear Door)	815 - 1215
	155-04R17-271-1	1	1/4” x 271” Hose Assembly (Right Rear Door)	815 - 1215
	155-04R17-304-1	1	1/4” x 304” Hose Assembly (Rear Door w/ Front Door)	815 - 1215
	155-04R17-304-1	1	1/4” x 304” Hose Assembly (Rear Door w/ Side Door)	815 - 1215
5	155-6801-6-8	2	#6 JIC Male #8 ORB Male Adjustable 90°	815 - 1215
6	155-2.5-12-1.125-1	1	2-1/2” x 12” x 1-1/8” Hydraulic Cylinder	815 - 1215

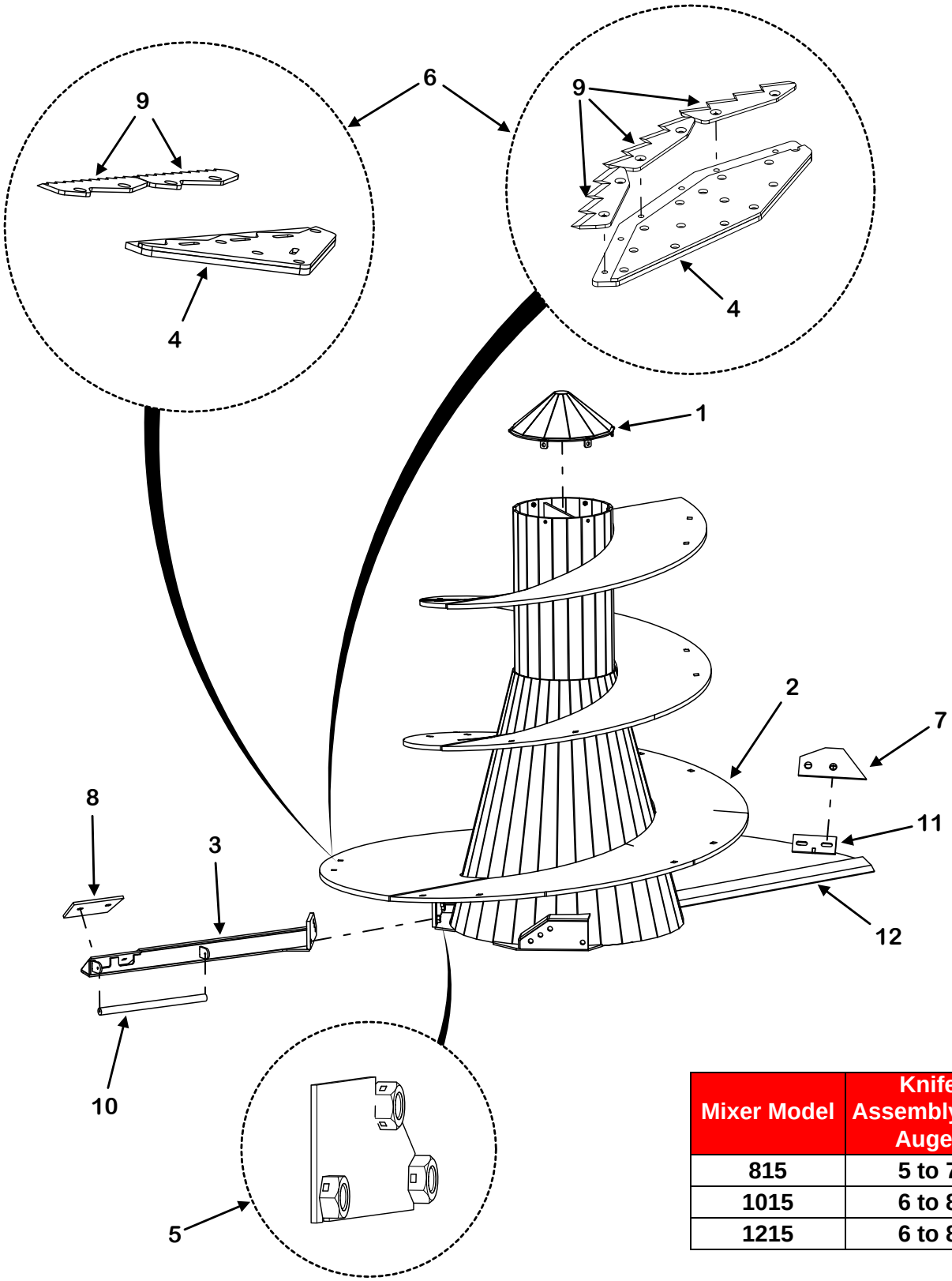
VIEWING PLATFORM



FM-VTP-0024-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTA-0815-VP-F	1	Viewing Platform	815
	VTA-1015-VP-F	1	Viewing Platform	1015
	VTA-1215-VP-F	1	Viewing Platform	1215

AUGER

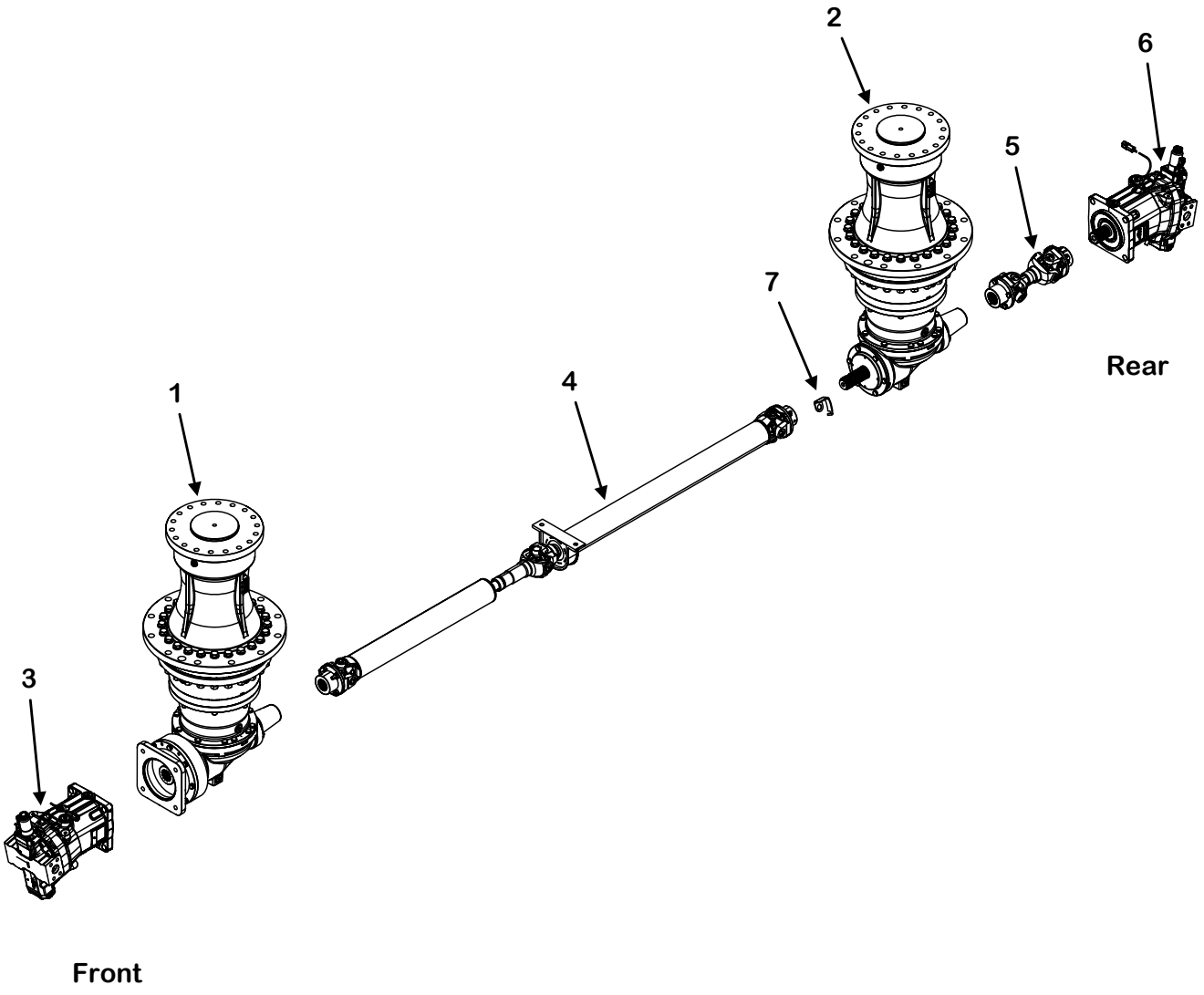


Mixer Model	Knife Assembly Per Auger
815	5 to 7
1015	6 to 8
1215	6 to 8

FM-ML-0029-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	M5-1-8-0019	2	Stainless Lined Auger Assembly, Complete With Knives, Backer & Hardware)	815P/815C
	M5-1-10-0007	2	Stainless Lined Auger Assembly, Complete With Knives, Backer & Hardware	1015P/1015C
	M5-1-12-0009	2	Stainless Lined Auger Assembly, Complete With Knives, Backer & Hardware	1215
1	M5-1-8-0002	2	Auger Top Cap Weldment	815 - 1215
	851-3118-1.25SS	6 per	5/16”-18 x 1-1/4” Stainless Steel Bolts	815 - 1215
	805-0031-Z	6 per	5/16” Flat Washer	815 - 1215
	822-0031-Z	6 per	5/16” Split Lock Washer	815 - 1215
2	M5-1-8-0019-1	2	Auger Weldment	815P/815C
	M5-1-10-0007-1	2	Auger Weldment	1015P/1015C
	M5-1-12-0009-1	2	Auger Weldment	1215
3	M5-1-8-0014	2	Kicker Weldment	815 - 1215
	See Page 212	2	Kicker Weldment With Magnet Kit (Optional)	815 - 1215
	881-6311-1.75Z	4	5/8”-11 x 1-3/4” Bolt	815 - 1215
4	M11-1-0040	AR	2-Knife Backer Weldment For Knives	815 - 1215
	M11-1-0041	AR	2-Knife HD Backer Weldment For Knives	815 - 1215
	M11-1-0048	AR	3-Knife Backer Weldment For Knives	815 - 1215
	880-6311-2Z	1 per	5/8”-11 x 2” Carriage Bolt Zinc	815 - 1215
	880-6311-2.5Z	1 per	5/8”-11 x 2” Carriage Bolt Zinc	815 - 1215
	886-6311-Z	2 per	5/8”-11 Center Lock Nut	815 - 1215
5	M5-1-8-0007	2	Auger Kicker Nut Holder Weldment	815 - 1215
6	M11-1-0059-K	AR	Mixer 2-Knife Assembly (Includes Knives, Backers & Hardware)	815 - 1215
	M11-1-0060-K	AR	Mixer 2-Knife With Doubler Assembly (Includes Knives, Backers &Hardware)	815 - 1215
	M11-1-0054-K	AR	Mixer 3-Knife Assembly (Includes Knives, Backers & Hardware)	815 - 1215
7	M5-1-8-0005-K	2	Auger Scraper With Hardware	815 - 1215
	852-5013-1.75Z	2 per	1/2”-13 x 1-3/4” Flat Head Socket Cap Screw	815 - 1215
	815-5013-Z	2 per	1/2”-13 Nylon Lock Nut	815 - 1215
	828-0050-Z	2 per	1/2” SAE Washer	815 - 1215
8	M5-1-8-0006-K	2	Kicker Wear Plate With Hardware	815 - 1215
	852-5013-1.75Z	2 per	1/2”-13 x 1-3/4” Flat Head Socket Cap Screw	815 - 1215
	815-5013-Z	2 per	1/2”-13 Nylon Lock Nut	815 - 1215
	828-0050-Z	2 per	1/2” SAE Washer	815 - 1215
9	M11-1-0050-K	AR	One Blade With Hardware	815 - 1215
	803-3816-1Z	2 per	3/8”-16 x 1” Flat Head Socket Cap Screw	815 - 1215
	814-3816-Z	2 per	3/8”-16 Center Lock Nut	815 - 1215
10	See Page 212	2	Kicker Magnet (Optional)	815 - 1215
11	M5-1-8-0001-1-13	2	Scraper Mount (Welded On)	815 - 1215
	M5-1-8-0001-1-14	2	Scraper Mount Gusset (Welded On)	815 - 1215
12	M5-1-10-0001-1-6	2	Auger Lead Edge (Welded On)	815 - 1215

DRIVELINE

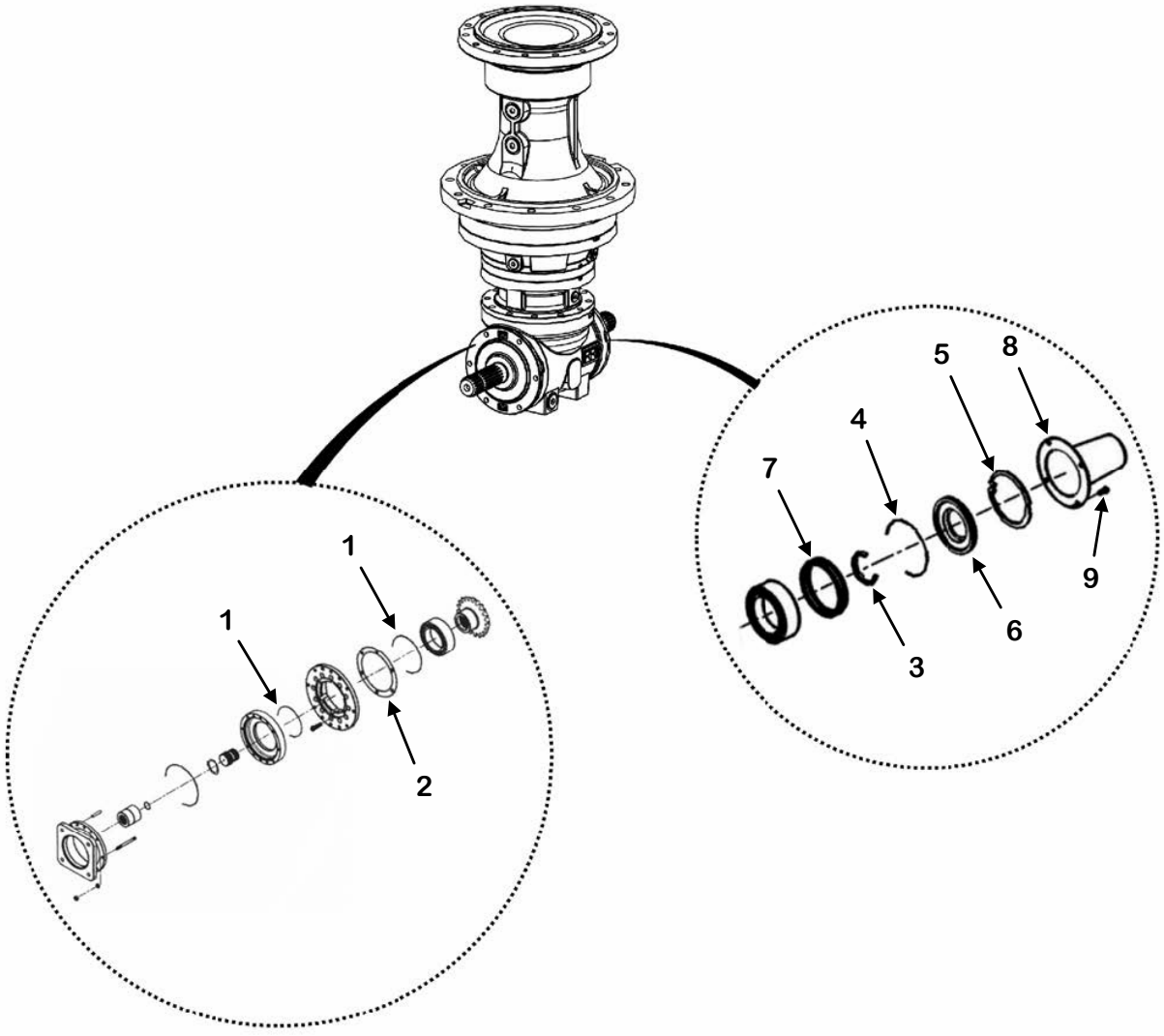


FM-VTP-0022-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	See Page 94	1	Front 3200 Series Planetary	815P/1015C/1215
2	See Page 96	1	Rear 3200 Series Planetary	815P/1015C/1215
3	See Page 114	1	Front Planetary Motor	815 - 1215
4	118-VM-0001-1410-5	1	1410 Driveline Assembly	815 - 1215
5	See Page 120	1	Rear Pump to Planetary Driveshaft	815 - 1215
6	See Page 116	1	Rear Planetary Motor	815 - 1215
7	M9-1-8-0011	1	Rotation Counter Bracket	815 - 1215

FRONT 3200 SERIES PLANETARY

MODELS: 815P / 815C / 1015P / 1015C / 1215

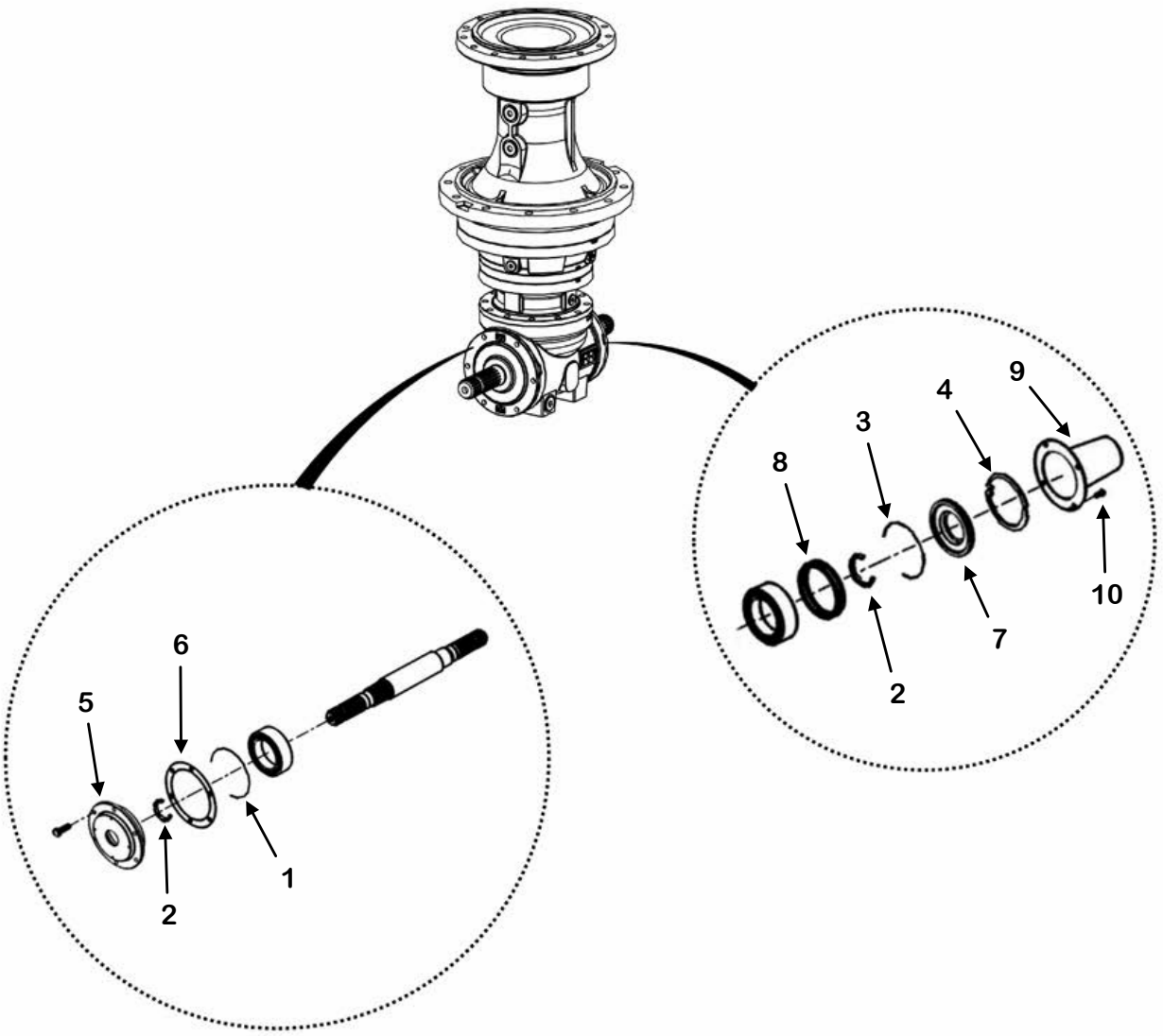


119-32-42.3-1

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-32-42.3-1	1	Front 3200 Series Planetary Gearbox
1	119-P-RR-5	2	O-Ring
2	119-P-RR-14	1	Thickness Kit
3	119-P-RR-6	2	Oil Seal
4	119-P-RR-7	1	O-Ring
5	119-P-RR-18	1	Snap Ring
6	119-P-RR-17	1	Cover
7	119-P-RR-16	1	Thickness Kit
8	119-P-RR-13	1	Shaft Protection Shield
9	851-M5-.8-10-YZ	4	Cap Screw

REAR 3200 SERIES PLANETARY

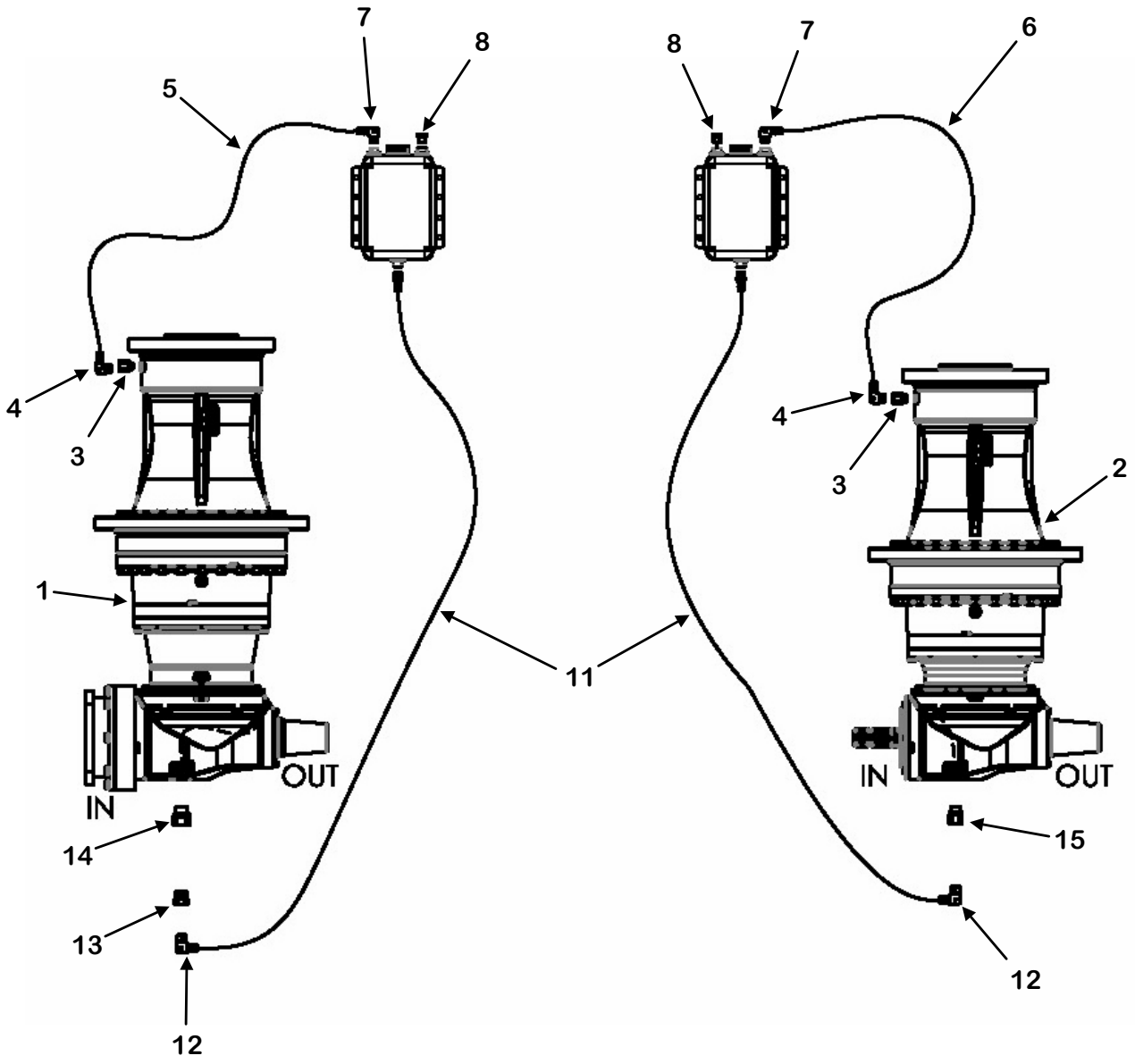
MODELS: 815P / 815C / 1015P / 1015C / 1215



119-32-42.3-2

KEY	PART NUMBER	QTY	DESCRIPTION
0	119-32-42.3-2	1	Rear 3200 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-18	1	Snap Ring
5	119-P-RR-15	1	Cover
6	119-P-RR-14	1	Thickness Kit
7	119-P-RR-17	1	Cover
8	119-P-RR-16	1	Thickness Kit
9	119-P-RR-13	1	Shaft Protection Shield
10	851-M5-.8-10-YZ	4	Cap Screw

PLANETARY GEARBOX OIL SYSTEM

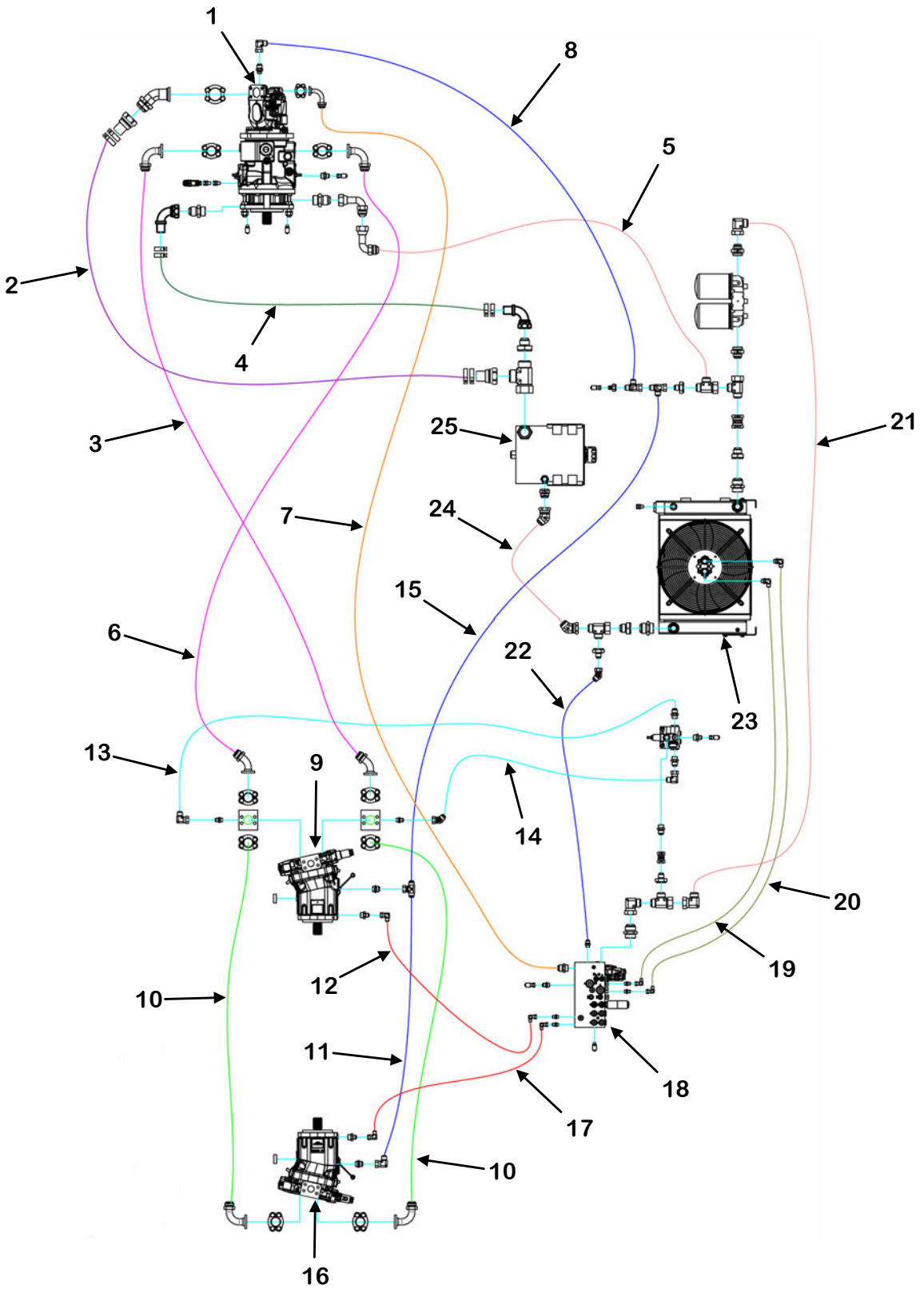


Use #48-0081 Synthetic
ISO220 or Equivalent For
Planetary Gearboxes.

FM-VTP-0008-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	See Page 94	1	Front 3200 Series Planetary Gearbox	815P/1015C/1215
2	See Page 96	1	Rear 3200 Series Planetary Gearbox	815P/1015C/1215
3	155-PB06-06	2	Adapter	815 - 1215
4	55-0404	2	1/2” x 3/8” BRS MA Barb Hose	815 - 1215
5	155-2231-08	158”	1/2” ID x 3/4” OD Push on Hose	815 - 1215
6	155-2231-08	147”	1/2” ID x 3/4” OD Push on Hose	815 - 1215
7	55-0404	2	1/2” x 3/8” BRS MA Barb Hose	815 - 1215
8	55-0307	2	Breather Vent 3/8” Pipe Reducer Bushing 3/4”-1/2”	815 - 1215
9	952-0004	2	4 QT Plastic Tank With Vented Cap	815 - 1215
10	55-0405	2	1/2” x 3/8” BRRS MA Barb Hose	815 - 1215
11	155-2231-08	130”	1/2” ID x 3/4” OD Push on Hose	815 - 1215
12	55-0406	2	1/2” x 1/2” BRS 90° Elbow Barb	815 - 1215
13	55-0044	1	12MP-08FP Pipe Reducer Bushing 3/4”-1/2”	815 - 1215
14	155-PB12-12	1	Adapter	815 - 1215
15	155-PB08-08	1	Adapter	815 - 1215

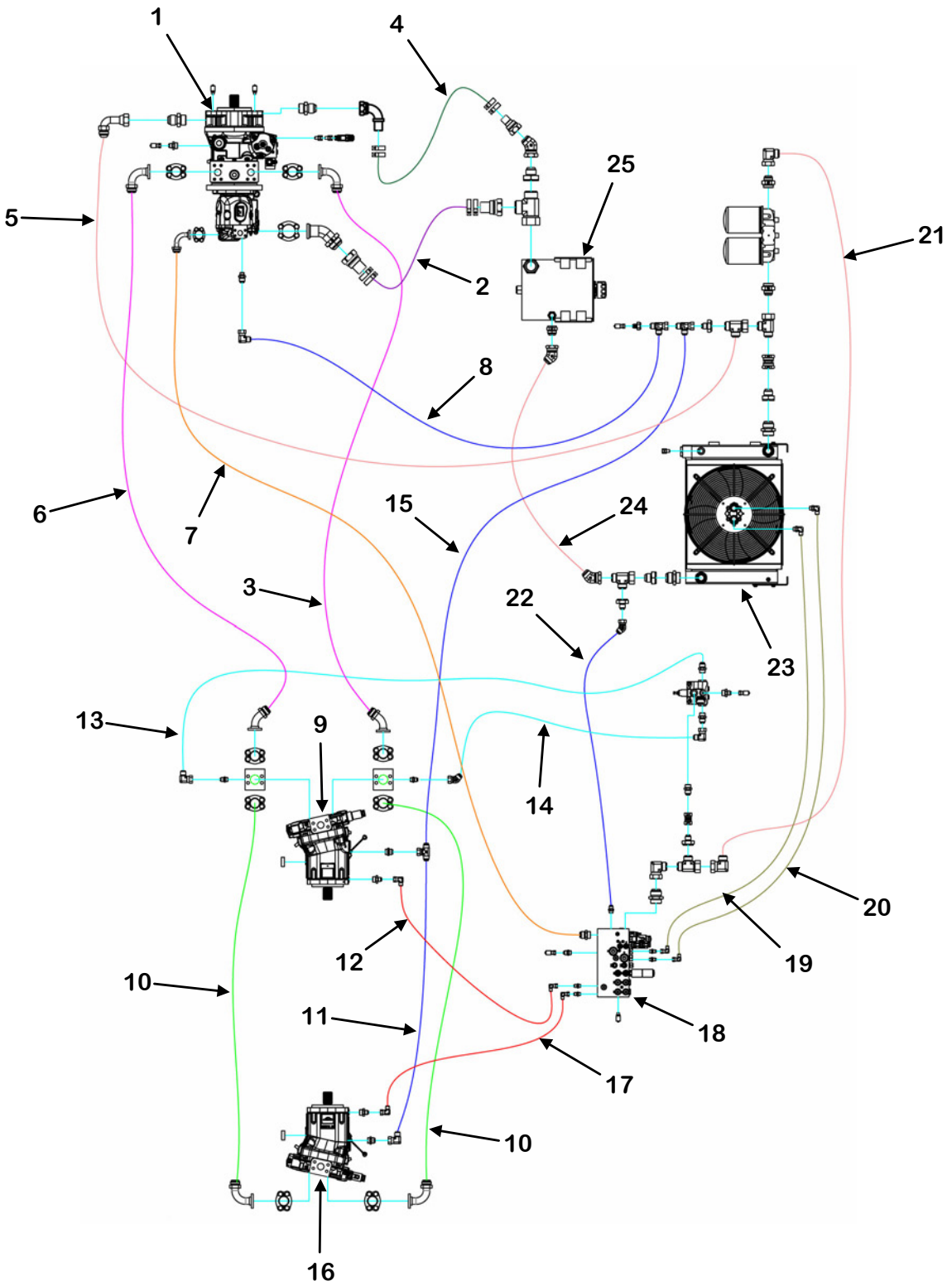
FEPTO HYDRAULIC HOSES



FM-VTP-0003-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 104	1	FEPTO Hydraulic Pump Fittings
2	Call 1-800-325-9103	1	2” x ___” Hose (Pump: Aux S Port to Tank: Suction Port)
3	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston B Port to Rear Motor A Port)
4	Call 1-800-325-9103	1	1-1/2” x ___” Hose (Pump: Piston S Port to Tank: Suction Port)
5	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston T1 Port to Filter: Outlet Tee)
6	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston A Port to Rear Motor: B Port)
7	Call 1-800-325-9103	1	1” x ___” Hose (Pump: Aux P Port to Manifold: P-1 Port)
8	Call 1-800-325-9103	1	3/4” x ___” Hose (Pump: Aux T2 Port to Filter: Outlet Tee)
9	See Page 114	1	Front Planetary Motor Fittings
10	155-16R12-162-1	2	1” x 162” Hose (Front Motor: B Port to Rear Motor: A Port) / (Front Motor: A Port to Rear Motor: B Port)
11	155-12R17-166-1	1	3/4” x 166” Hose (Front Motor: T1 Port to Rear Motor: T1 Port)
12	155-04R12-56-1	1	1/4” x 56” Hose (Front Motor: U Port to Manifold: MF-1 Port)
13	155-12R12-43-1	1	3/4” x 43” Hose (Front Motor: A Port to Hot Oil Shuttle: B Port)
14	155-12R12-29-1	1	3/4” x 29” Hose (Front Motor: B Port to Hot Oil Shuttle: A Port)
15	155-12R17-58-1	1	3/4” x 58” Hose (Front Motor: T1 Port to Filter: Outlet Tee)
16	See Page 116	1	Rear Planetary Motor Fittings
17	155-04R12-197-1	1	1/4” x 197” Hose (Rear Motor: U Port to Manifold: MF-2 Port)
18	See Page 110	1	Manifold / Hot Oil Shuttle Fittings
19	155-06R12-49-1	1	3/8” x 49” Hose (Manifold: FF Port to Fan Motor: RH-08 Port)
20	155-06R12-54-1	1	3/8” x 54” Hose (Manifold: FR Port to Fan Motor: LH-08 Port)
21	155-20R12-15-1	1	1-1/4” x 15” Hose (Filter: Inlet to Manifold: T1 Port)
22	155-12R17-65-1	1	3/4” x 65” Hose (Manifold: Heater Port to Fan: Outlet)
23	See Page 112	1	Heat Exchanger / Oil Filter Fittings
24	155-20R12-159-1	1	1-1/4” x 159” Hose (Front Door) (Fan: Outlet to Tank: Return)
	155-20R12-120-1	1	1-1/4” x 120” Hose (Side Door) (Fan: Outlet to Tank: Return)
25	See Page 108	1	FEPTO Oil Reservoir Fittings

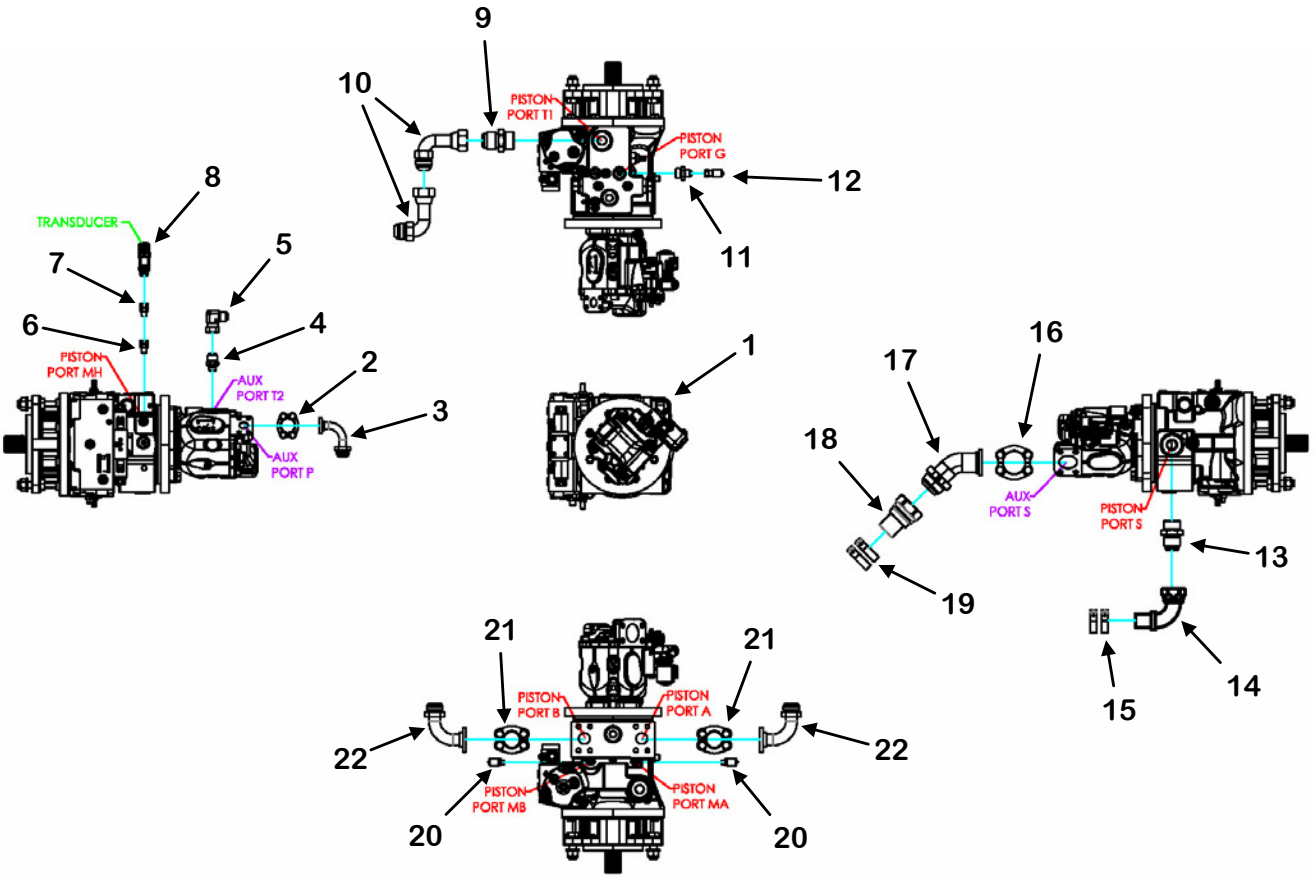
REPTO HYDRAULIC HOSES



FM-VTP-0004-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 106	1	REPTO Hydraulic Pump Fittings
2	Call 1-800-325-9103	1	2” x ___” Hose (Pump: Aux S Port to Tank: Suction Port)
3	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston B Port to Rear Motor A Port)
4	Call 1-800-325-9103	1	1-1/2” x ___” Hose (Pump: Piston S Port to Tank: Suction Port)
5	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston T1 Port to Filter: Outlet Tee)
6	Call 1-800-325-9103	1	1-1/4” x ___” Hose (Pump: Piston A Port to Rear Motor: B Port)
7	Call 1-800-325-9103	1	1” x ___” Hose (Pump: Aux P Port to Manifold: P-1 Port)
8	Call 1-800-325-9103	1	3/4” x ___” Hose (Pump: Aux T2 Port to Filter: Outlet Tee)
9	See Page 114	1	Front Planetary Motor Fittings
10	155-16R12-162-1	2	1” x 162” Hose (Front Motor: B Port to Rear Motor: A Port) / (Front Motor: A Port to Rear Motor: B Port)
11	155-12R17-166-1	1	3/4” x 166” Hose (Front Motor: T1 Port to Rear Motor: T1 Port)
12	155-04R12-56-1	1	1/4” x 56” Hose (Front Motor: U Port to Manifold: MF-1 Port)
13	155-12R12-43-1	1	3/4” x 43” Hose (Front Motor: A Port to Hot Oil Shuttle: B Port)
14	155-12R12-29-1	1	3/4” x 29” Hose (Front Motor: B Port to Hot Oil Shuttle: A Port)
15	155-12R17-58-1	1	3/4” x 58” Hose (Front Motor: T1 Port to Filter: Outlet Tee)
16	See Page 116	1	Rear Planetary Motor Fittings
17	155-04R12-197-1	1	1/4” x 197” Hose (Rear Motor: U Port to Manifold: MF-2 Port)
18	See Page 110	1	Manifold / Hot Oil Shuttle Fittings
19	155-06R12-49-1	1	3/8” x 49” Hose (Manifold: FF Port to Fan Motor: RH-08 Port)
20	155-06R12-54-1	1	3/8” x 54” Hose (Manifold: FR Port to Fan Motor: LH-08 Port)
21	155-20R12-15-1	1	1-1/4” x 15” Hose (Filter: Inlet to Manifold: T1 Port)
22	155-12R17-65-1	1	3/4” x 65” Hose (Manifold: Heater Port to Fan: Outlet)
23	See Page 112	1	Heat Exchanger / Oil Filter Fittings
24	155-20R12-159-1	1	1-1/4” x 159” Hose (Front Door) (Fan: Outlet to Tank: Return)
	155-20R12-120-1	1	1-1/4” x 120” Hose (Side Door) (Fan: Outlet to Tank: Return)
25	See Page 109	1	REPTO Oil Reservoir Fittings

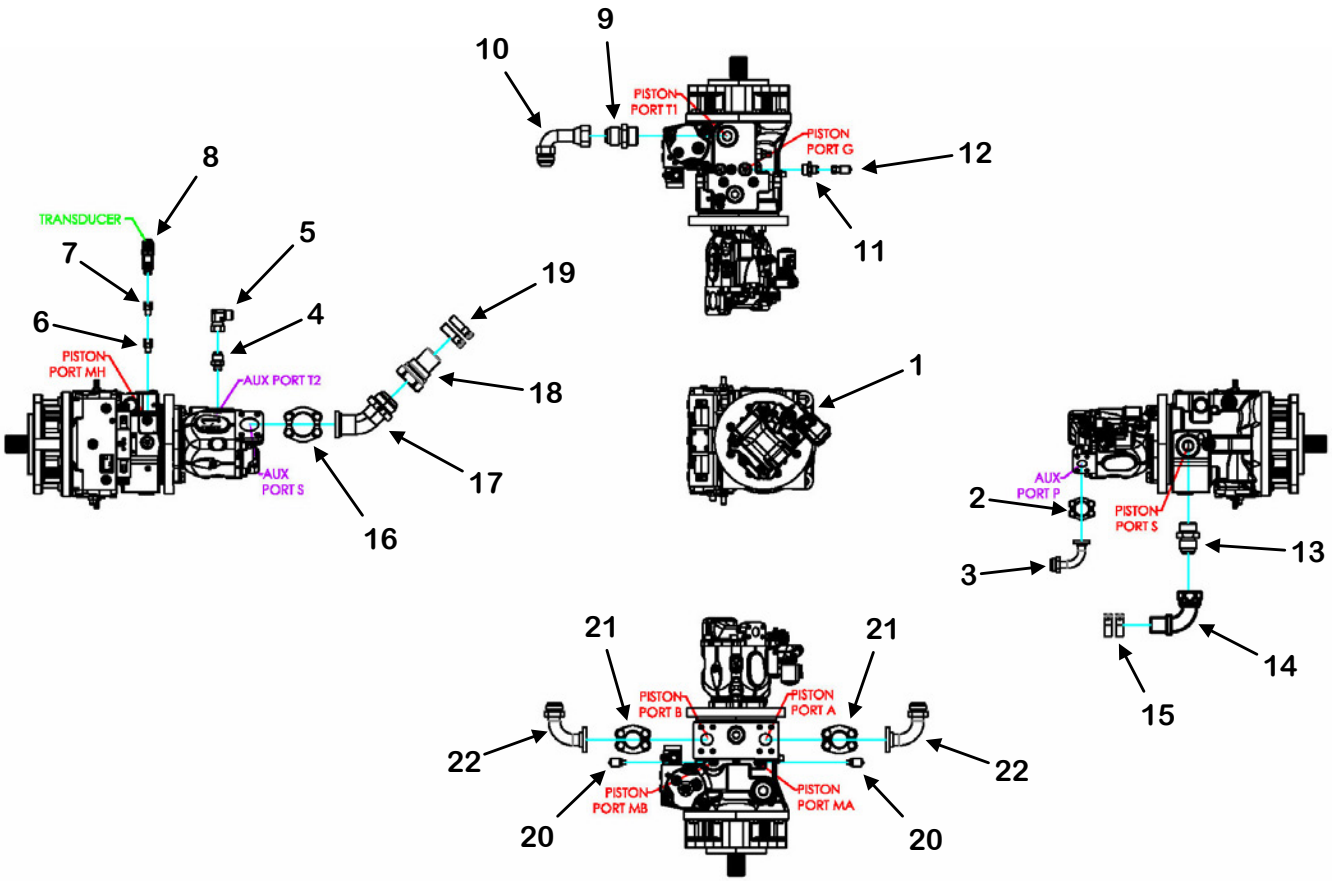
FEPTO HYDRAULIC PUMP FITTINGS



FM-VTP-0005-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-7-AS	1	FEPTO Pump
2	155-5151HK-16	1	#16 Code 61 Flange
3	155-1704-16-16	1	#16 JIC Male, #16 Code 61 Flange 90°
4	155-6400-12-08	1	#12 JIC Male, #8 ORB Male Straight Adapter
5	155-6500-12	1	#12 JIC Male, #12 JIC Female Swivel 90°
6	155-7045-04-14	1	#4 FP, 14x1.5MM Straight
7	155-7033-04-04	1	#4 MP, #4 FBSPP Straight
8	155-PEA-7-2	1	Pressure Transducer
9	155-7005-20-42	1	#20 JIC Male, 42MM Straight
10	155-6701-20-20	2	#20 JIC Male, #20 JIC Female Swivel 90°
11	155-7005-08-22	1	#8 JIC Male, 22MM Straight
12	155-DP6504-08	1	#8 JIC Female Test Point
13	155-7005-24-48	1	#24 JIC Male, 48MM Straight
14	155-3988-24-24	1	#24 JIC Female, #24 Barb Short Sweep 90°
15	155-C410C-75-212S	2	1.5” SS T-Bolt Hose Clamp
16	155-5151HK-32	1	#32 Code 61 Flange
17	155-1703-32-32	1	#32 JIC Male, #32 Code 61 Flange 45°
18	155-DP6504-08	1	#8 JIC Female Test Point
19	155-C410C-75-250S	2	2” SS T-Bolt Hose Clamp
20	155-DP7005-14	2	14MM Test Point
21	155-1902-20-M14	2	M14, #20 Code 62 Flange
22	155-1804-20-20	2	#20 JIC Male, #20 Code 62 Flange 90°

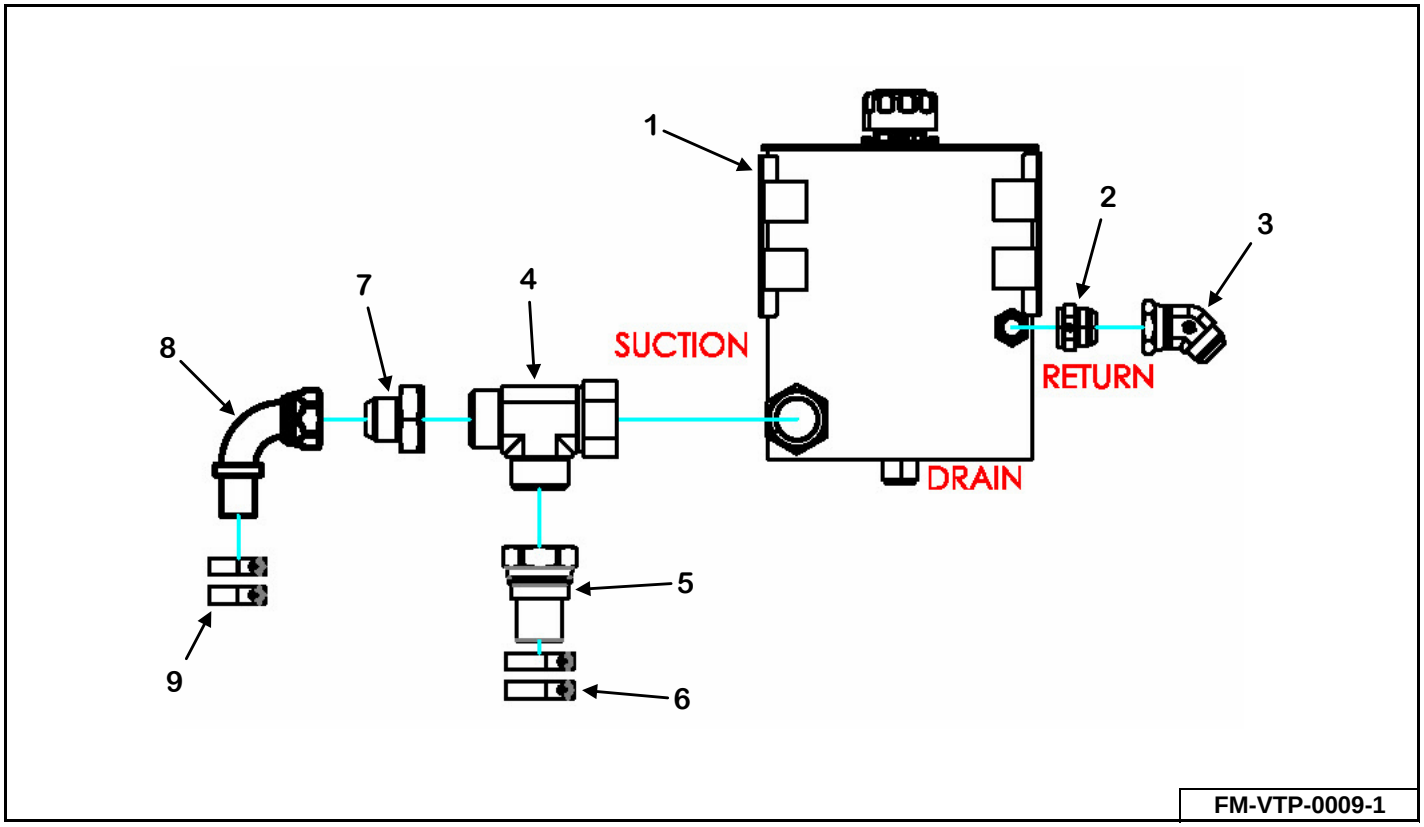
REPTO HYDRAULIC PUMP FITTINGS



FM-VTP-0006-1

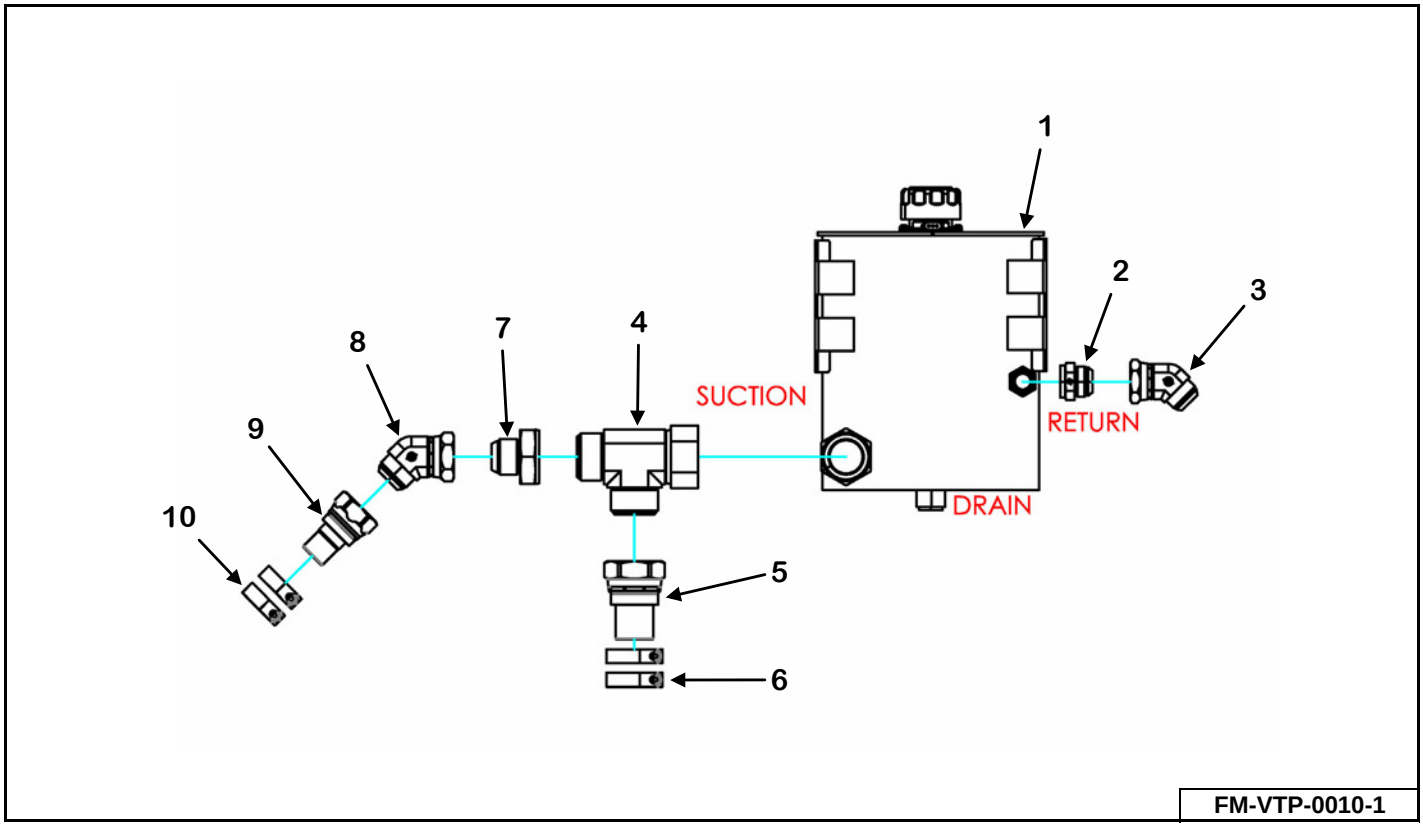
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-9-AS	1	REPTO Pump Assembly
2	155-5151HK-16	1	#16 Code 61 Flange
3	155-1704-16-16	1	#16 JIC Male, #16 Code 61 Flange 90°
4	155-6400-12-08	1	#12 JIC Male, #8 ORB Male Straight Adapter
5	155-6500-12	1	#12 JIC Male, #12 JIC Female Swivel 90°
6	155-7045-04-14	1	#4 FP, 14x1.5MM Straight
7	155-7033-04-04	1	#4 MP, #4 FBSPP Straight
8	155-PEA-7-2	1	Pressure Transducer
9	155-7005-20-42	1	#20 JIC Male, 42MM Straight
10	155-6701-20-20	1	#20 JIC Male, #20 JIC Female Swivel 90°
11	155-7005-08-22	1	#8 JIC Male, 22MM Straight
12	155-DP6504-08	1	#8 JIC Female Test Point
13	155-7005-24-48	1	#24 JIC Male, 48MM Straight
14	155-3988-24-24	1	#24 JIC Female, #24 Barb Short Sweep 90°
15	155-C410C-75-212S	2	1.5” SS T-Bolt Hose Clamp
16	155-5151HK-32	1	#32 Code 61 Flange
17	155-1703-32-32	1	#32 JIC Male, #32 Code 61 Flange 45°
18	155-DP6504-08	1	#8 JIC Female Test Point
19	155-C410C-75-250S	2	2” SS T-Bolt Hose Clamp
20	155-DP7005-14	2	14MM Test Point
21	155-1902-20-M14	2	M14, #20 Code 62 Flange
22	155-1804-20-20	2	#20 JIC Male, #20 Code 62 Flange 90°

FEPTO OIL RESERVOIR FITTINGS



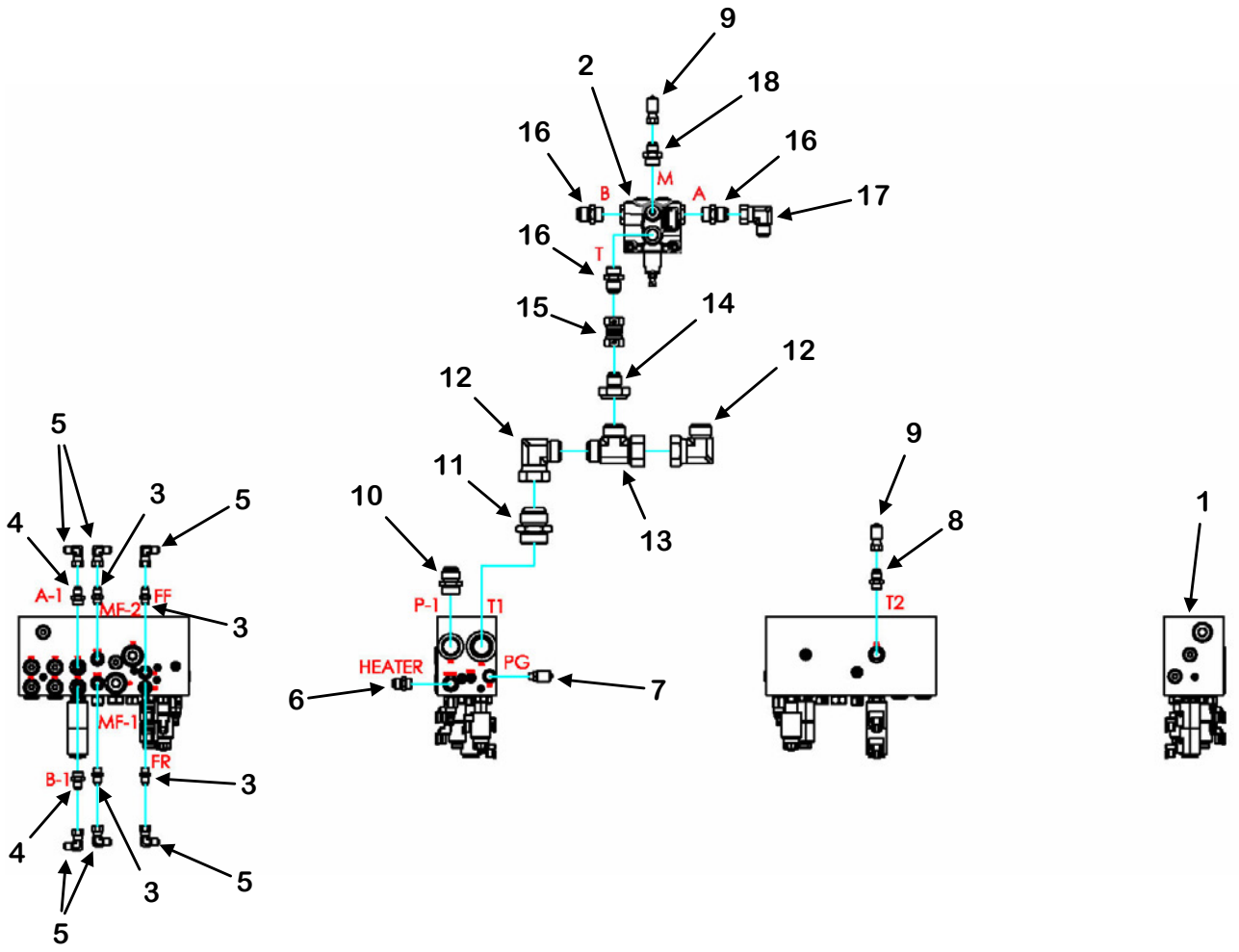
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-5	1	Oil Reservoir
	851-3816-1.25Z	6	3/8” x 1-1/4” Hex Bolt
	815-3816-Z	6	3/8” Nylon Insert Lock Nut
2	155-2406-16-20	1	#16 JIC Female, #20 JIC Female Straight
3	155-6502-20-20	1	#20 JIC Male, #20 JIC Female Swivel 90°
4	155-6602-32	1	#32 JIC Male, #32 JIC Female, #32 JIC Male Tee
5	155-0688-32-32	1	#32 JIC Female, #32 Barb Straight
6	155-C410C-75-250S	2	2” SS T-Bolt Hose Clamp
7	155-2406-32-24	1	#32 JIC Female, #24 JIC Male Straight
8	155-3988-24-24	1	#24 JIC Female, #24 Barb Short Sweep 90°
9	155-C410C-75-212S	2	1.5” SS T-Bolt Hose Clamp

REPTO OIL RESERVOIR FITTINGS



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-5	1	Oil Reservoir
	851-3816-1.25Z	6	3/8” x 1-1/4” Hex Bolt
	815-3816-Z	6	3/8” Nylon Insert Lock Nut
2	155-2406-16-20	1	#16 JIC Female, #20 JIC Female Straight
3	155-6502-20-20	1	#20 JIC Male, #20 JIC Female Swivel 90°
4	155-6602-32	1	#32 JIC Male, #32 JIC Female, #32 JIC Male Tee
5	155-0688-32-32	1	#32 JIC Female, #32 Barb Straight
6	155-C410C-75-250S	2	2” SS T-Bolt Hose Clamp
7	155-2406-32-24	1	#32 JIC Female, #24 JIC Male Straight
8	155-6502-24-24	1	#24 JIC Male, #24 JIC Female 45°
9	155-0688-24-24	1	#24 JIC Female, #24 Barb
10	155-C410C-75-212S	2	1.5” SS T-Bolt Hose Clamp

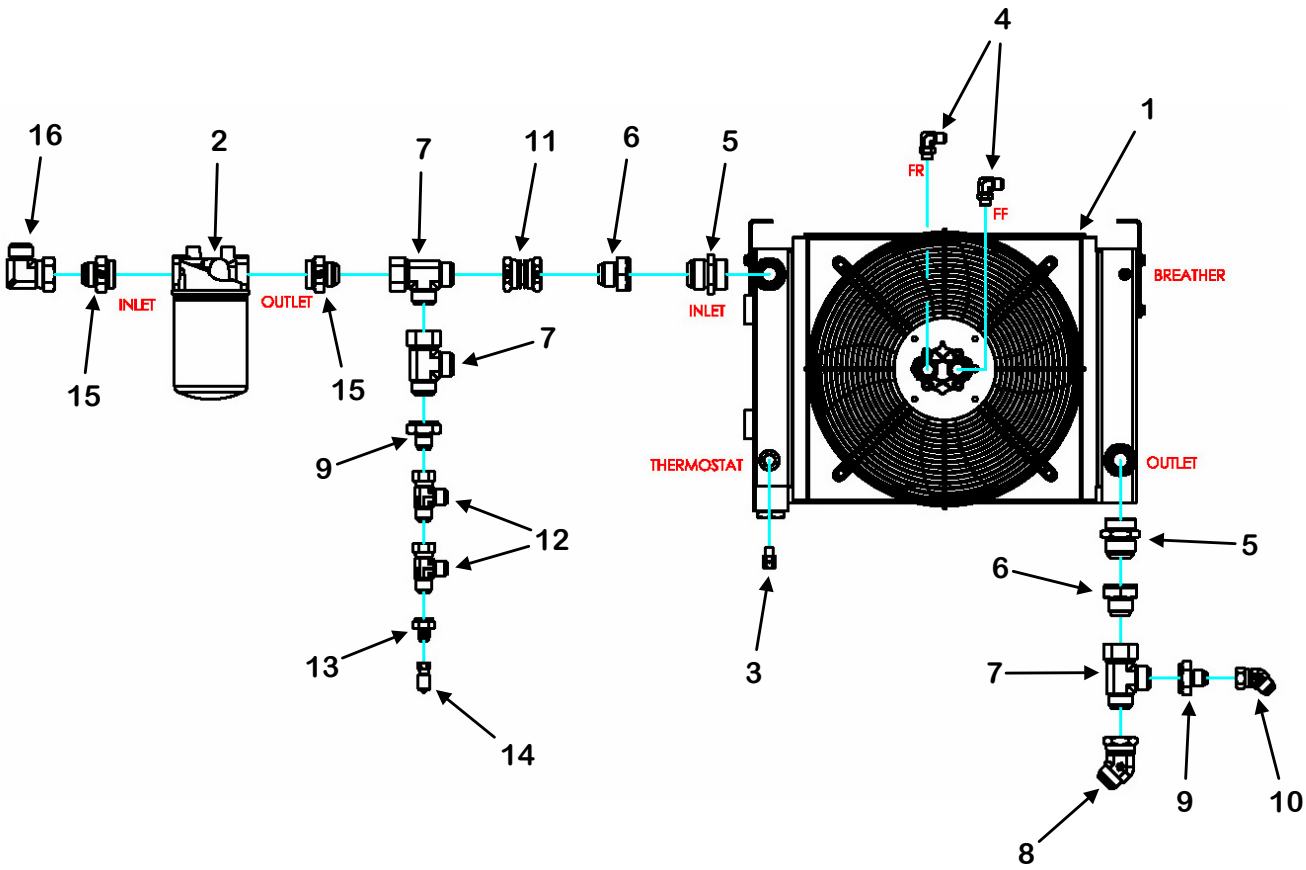
MANIFOLD / HOT OIL SHUTTLE FITTINGS



FM-VTP-0011-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 118	1	Manifold
	851-4414-1Z	4	7/16” x 1” Hex Bolt
	822-0044-Z	4	7/16” Split Lock Washer
2	155-PEA-11	1	Hot Oil Shuttle
	M11-12-0037-1	1	Shuttle Mount Bracket
	851-3118-1Z	2	5/16” x 1” Hex Bolt
	831-3118-1.25	2	5/16” x 1-1/4” Socket Head Bolt
	810-3118-Z	4	5/16” Spin Lock Nut
	805-0031-Z	6	5/16” Washer
3	155-6400-06-06	4	#6 JIC Male, #6 ORB Male Straight Adapter
4	155-6400-6-8	2	#6 JIC Male, #8 ORB Male Straight Adapter
5	155-6500-06-06	6	##20 JIC Male, #20 JIC Female Swivel 90°
6	155-6400-12-08	1	#12 JIC Male, #8 ORB Male Straight Adapter
7	155-DP6400-06	1	#6 ORB Male Test Point
8	155-6400-8-8	1	#8 JIC Male, #8 ORB Male, Straight
9	155-DP6504-08	2	#8 JIC Female Test Point
10	155-6400-16-16	1	#16 JIC Male, #16 ORB Male Straight Adapter
11	155-6400-20-20	1	#20 JIC Male, #20 ORB Male Straight Adapter
12	155-6500-20-20	2	#20 JIC Male, #20 JIC Female Swivel 90°
13	155-6602-20	1	#20 JIC Male, #20 JIC Female. 20 JIC Male Tee
14	155-2406-20-12	1	#20 JIC Female, #12 JIC Male Straight
15	155-6565-12-12	1	#12 JIC Female, #12 JIC Female Straight
16	155-7005-12-22	3	#12 JIC Male, 22 MM Straight
17	155-6500-12	1	#12 JIC Male, #12 JIC Female Swivel 90°
18	155-7005-08-22	1	#8 JIC Male, 22MM Straight

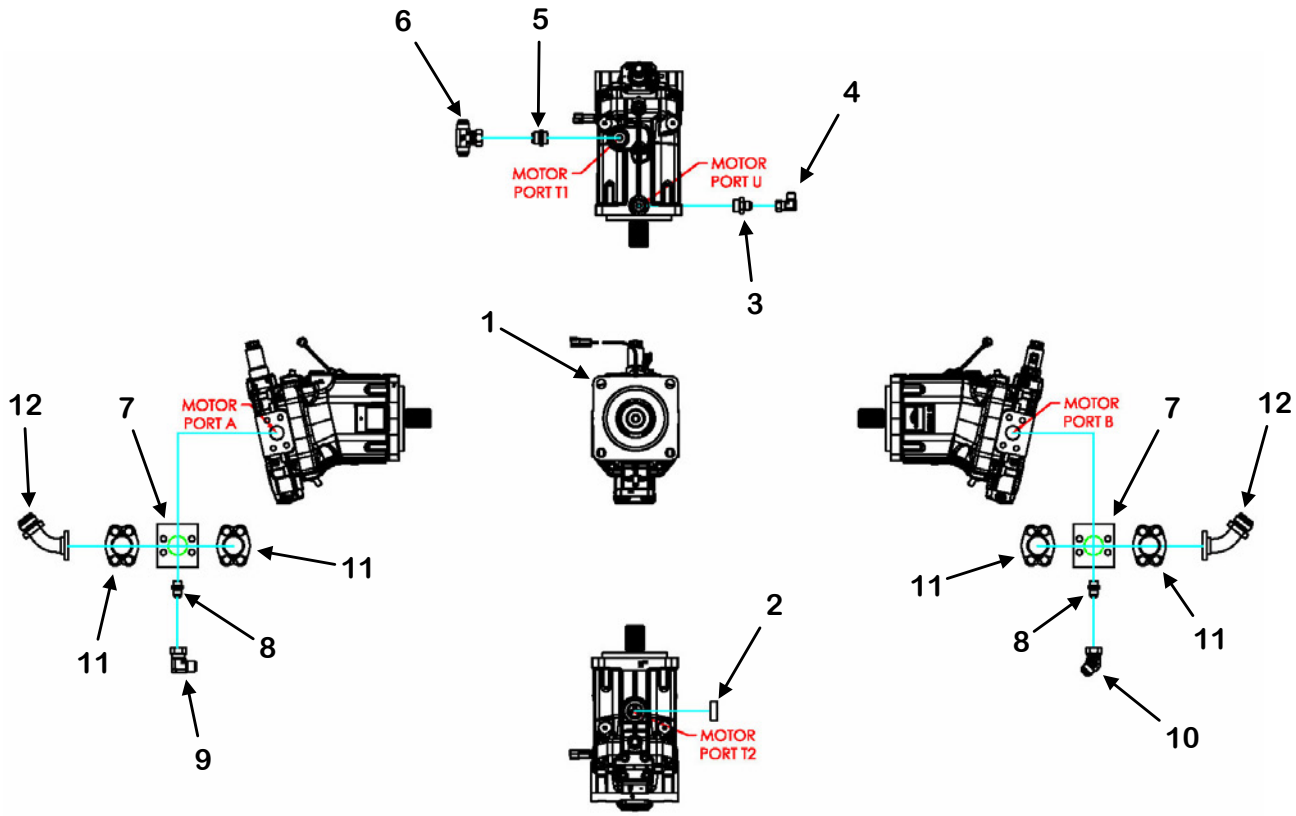
HEAT EXCHANGER / OIL FILTER FITTINGS



FM-VTP-0012-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-12	1	Heat Exchanger
	851-5013-1.25Z	4	1/2” x 1-1/4” Hex Bolt
	814-5013-Z	4	1/2” Hex Center Lock Nut
	805-0050-Z	4	1/2” Washer
2	155-PEA-13	1	Filter Assembly
	155-PEA-13-1	2	Filter Only
	155-PEA-13-2	1	Electrical Filter Pressure Switch
	851-4414-1Z	3	7/16” x 1” Hex Bolt
	822-0044-Z	3	7/16” Split Washer
	805-0044-Z	3	7/16” Washer
3	155-9023-08-04	1	#8 MBSPP, #4 FBSPP Straight
	155-PEA-12-1	1	Temp Sensor
4	155-6801-6-8	2	#6 JIC Male, #8 ORB Male 90°
5	155-7012-24-24	2	#24 JIC Male, #24 BSPP Straight
6	155-2406-24-20	2	#24 JIC Female, #20 JIC Male Straight
7	155-6602-20	3	#20 JIC Male, #20 JIC Female. 20 JIC Male Tee
8	155-6502-20-20	1	#20 JIC Male, #20 JIC Female Swivel 90°
9	155-2406-20-12	2	#20 JIC Female, #12 JIC Male Straight
10	155-6502-12	1	#12 JIC Male, #12 JIC Female Swivel 45°
11	155-6565-20-20	1	#20 JIC Female, #20 JIC Female Straight
12	155-6602-12A	2	#20 JIC Male, #20 JIC Female, #20 JIC Male Tee
13	155-2406-12-8	1	#12 JIC Male, #12 JIC Female, #12 JIC Male
14	155-DP6504-08	1	#8 JIC Female Test Point
15	155-6400-20-24	2	#20 JIC Male, #24 ORB Male Straight
16	155-6500-20-20	1	#20 JIC Male, #20 JIC Female Swivel 90°

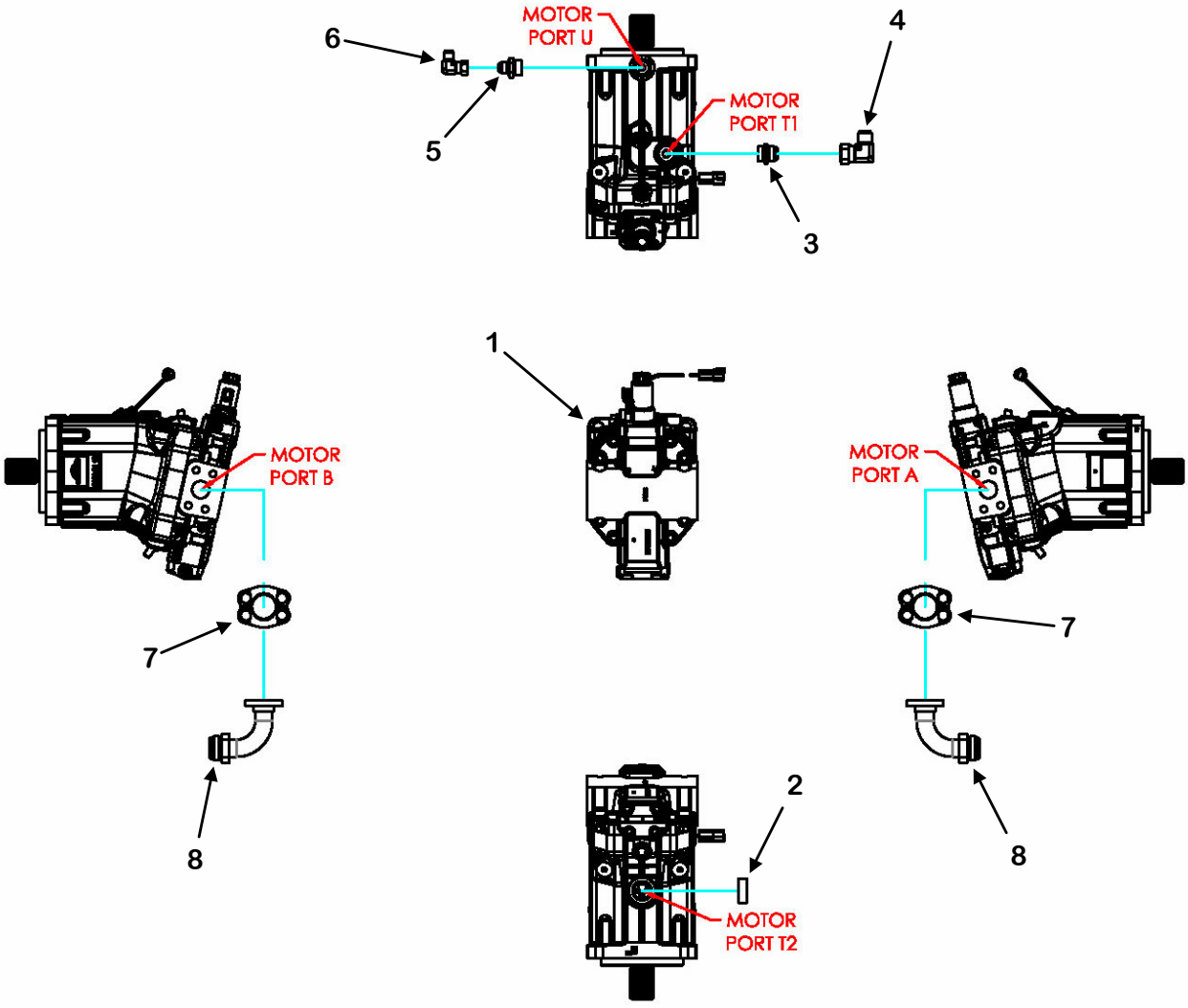
FRONT PLANETARY MOTOR FITTINGS



FM-VTP-0013-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-6	1	Motor
	851-M18-2.5-50-Z	4	M18-2.5 x 50mm Hex Bolt
2	155-9029-33-2.0	1	M33 x 2.0 Plug
3	155-7005-08-22	1	#8 JIC Male, 22MM Straight
4	155-6500-6-8	1	#6 JIC Male, #8 JIC Female Swivel 90°
5	155-7640-12-27	1	#12 JIC Male, 27MM Straight Adapter
6	155-6600-12	1	#12 JIC Male, #12 JIC Male #12 JIC Female Tee
7	155-PEA-6-1	2	Code 62 Junction Cross Block
	831-M14-2.0-100	8	M14-2.0 x 100 mm Socket Head Bolt
8	155-6400-12-12	2	#12 JIC Male, #12 ORB Male Straight Adapter
9	155-6500-12	1	#12 JIC Male, #12 JIC Female Swivel 90°
10	155-6502-12	1	#12 JIC Male, #12 JIC Female Swivel 45°
11	155-1902-20-M14	4	M14, #20 Code 62 Flange
12	155-1803-20-20	2	#20 JIC Male, #20 Code 62 Flange 45°

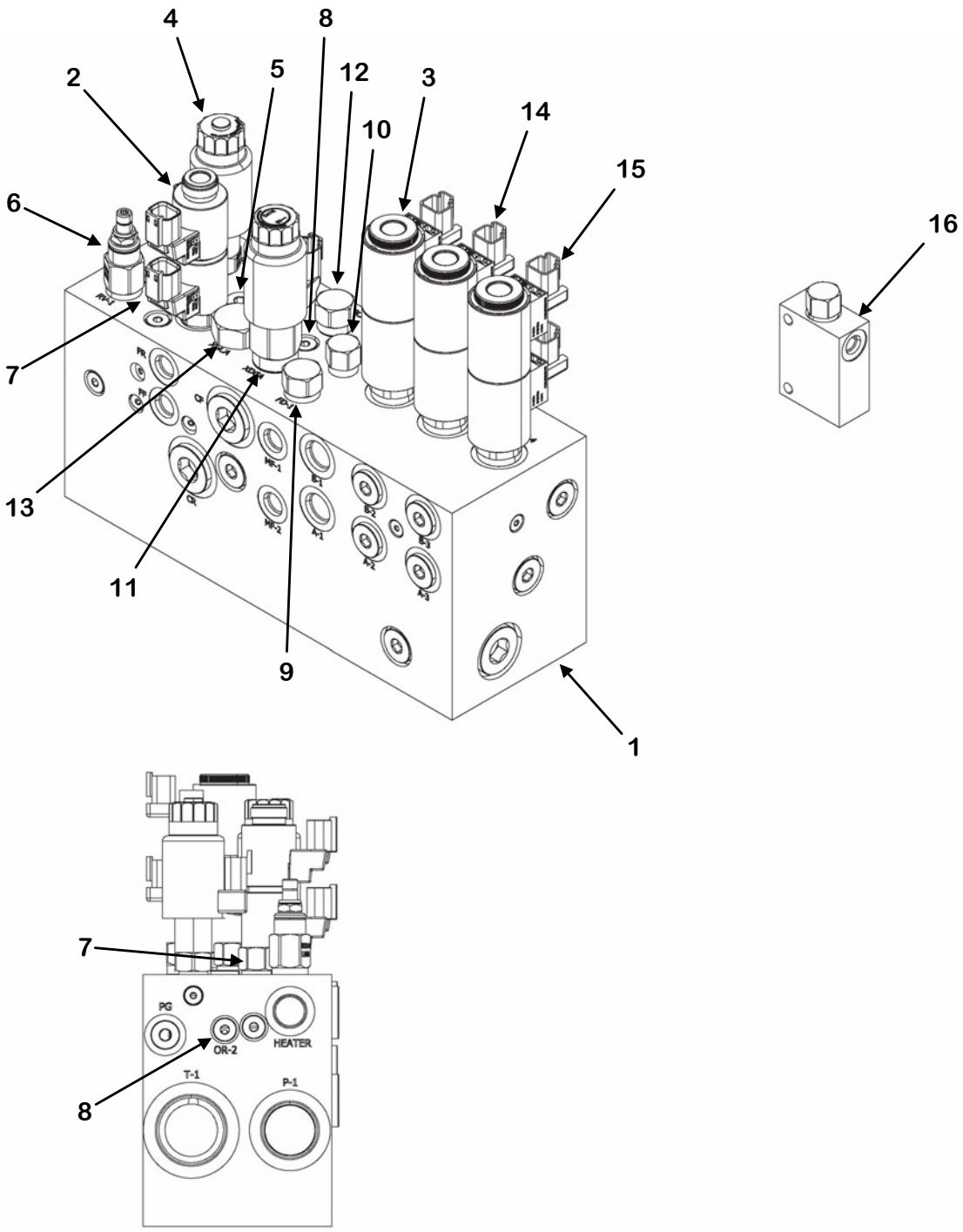
REAR PLANETARY MOTOR FITTINGS



FM-VTP-0014-1

KEY	PART NUMBER	QTY	DESCRIPTION
1	155-PEA-6	1	Motor
	851-7510-2.5Z	4	3/4” X 2-1/2” Hex Bolt
	814-7510-Z	4	3/4” Center Lock Nut
2	155-9029-33-2.0	1	M33 x 2.0 Plug
3	155-7640-12-27	1	#12 JIC Male, 27MM Straight Adapter
4	155-6500-12	1	#12 JIC Male, #12 JIC Female Swivel 90°
5	155-7005-08-22	1	#8 JIC Male, 22MM Straight
6	155-6500-6-8	1	#6 JIC Male, #8 JIC Female Swivel 90°
7	155-1902-20-M14	2	M14, #20 Code 62 Flange
8	155-1804-16-20	2	#16 JIC Male, #20 Code 62 Flange 90°

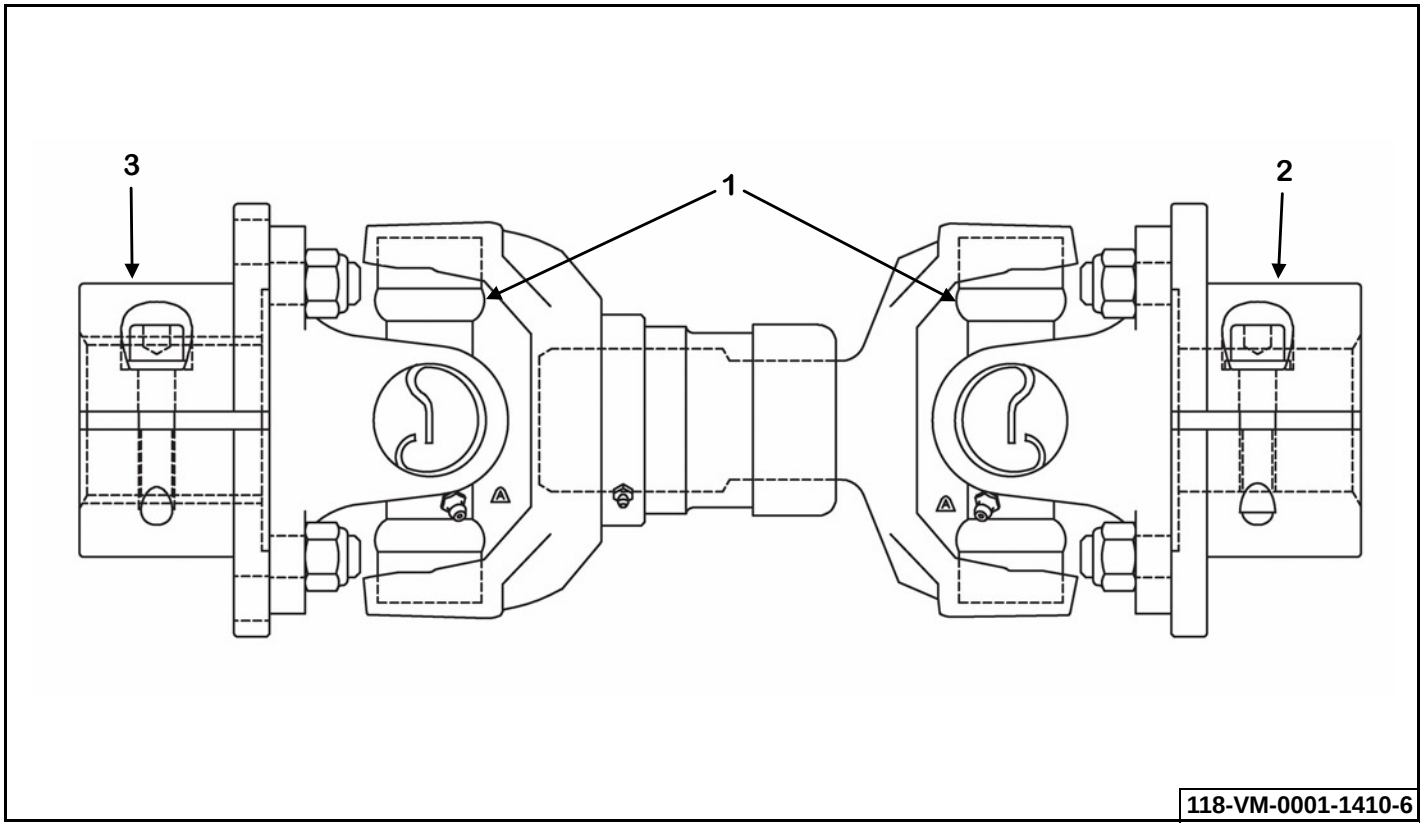
MANIFOLD



155-PEA-1

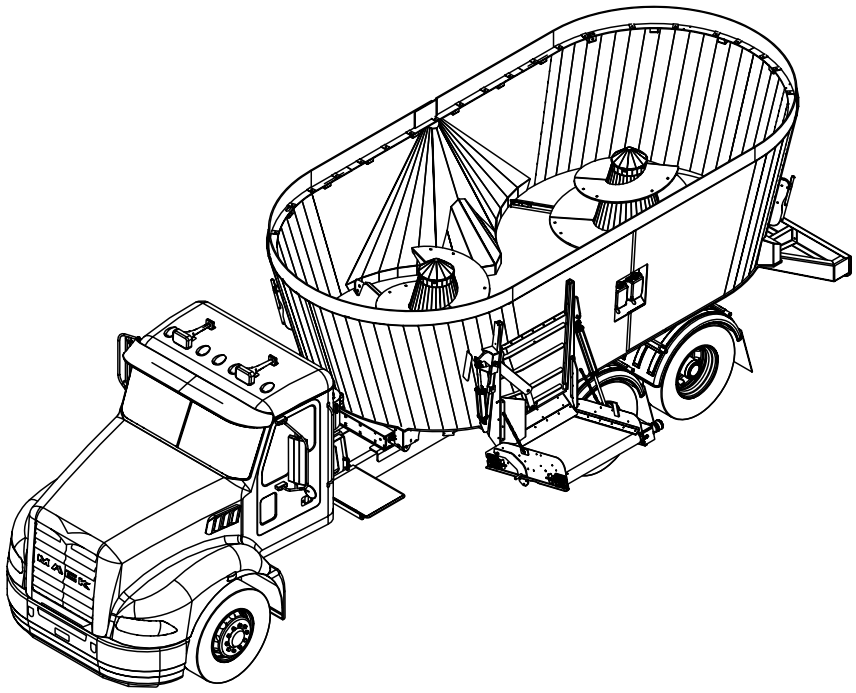
KEY	PART NUMBER	QTY	DESCRIPTION
0	155-PEA-1	1	Manifold Assembly
1	155-PEA-1-1	1	Manifold Block Only
2	155-PEA-1-2	1	Spool Valve Assembly (SV-1 Port)
	155-PEA-1-2-1	1	Spool Valve Only
	155-PEA-1-2-2	2	79 Series Coil
	155-PEA-1-2-3	1	79 Series Coil Nut
3	155-PEA-1-3	1	Directional Valve Assembly (SV-2 Port)
	155-PEA-1-3-1	1	Directional Valve Only
	155-PEA-1-3-2	2	78 Series Coil
	155-PEA-1-3-3	1	78 Series Coil Nut
4	155-PEA-1-4	1	2000 PSI Relief Valve Assembly (PRV-1 Port)
	155-PEA-1-4-1	1	2000 PSI Relief Valve Only
	155-PEA-1-4-2	1	77 Series Coil
	155-PEA-1-4-3	1	77 Series Coil Nut
5	155-PEA-1-5	1	Shuttle Valve (CSZN Port)
6	155-PEA-1-6	1	Relief Valve (RV-1 Port)
7	155-PEA-1-7	1	Modulating Element (PC-1 Port)
8	155-PEA-1-8	2	1/16” NPT Orifice (OR-1 & OR-2 Ports)
9	155-PEA-1-9	1	Divider Valve (FD-1 Port)
10	155-PEA-1-10	1	3.00 GPM Control Valve (FC-1 Port)
11	155-PEA-1-11	1	Plug (XDCA Port)
	155-PEA-2-1	1	Conveyor Flow Check Valve Assembly (Optional) (XDCA Port)
	155-PEA-2-1-1	1	Conveyor Flow Check Valve Only (Optional)
	155-PEA-1-4-2	1	77 Series Coil (Optional)
	155-PEA-1-4-3	1	77 Series Coil Nut (Optional)
12	155-PEA-1-12	1	Plug (XBCA Port)
	155-PEA-2-2	1	Conveyor Modulating Element (Optional) (XBCA Port)
13	155-PEA-1-13	1	Plug (XGCA Port)
	155-PEA-2-3	1	Conveyor Side Check Valve (Optional) (XGCA Port)
14	155-PEA-1-14	1	Plug (SV-3 Port)
	155-PEA-3	1	Rear/Side Door Control Valve Assembly (Optional) (SV-3 Port)
	155-PEA-1-3-1	1	Directional Valve Only (Optional)
	155-PEA-1-3-2	2	78 Series Coil (Optional)
	155-PEA-1-3-3	1	78 Series Coil Nut (Optional)
15	155-PEA-1-14	1	Plug (SV-4 Port)
	155-PEA-4-1	1	Slide Tray Valve Assembly (Optional) (SV-4 Port)
	155-PEA-4-1-1	1	Slide Tray Directional Valve Only (Optional)
	155-PEA-1-3-2	2	78 Series Coil (Optional)
	155-PEA-1-3-3	1	78 Series Coil Nut (Optional)
16	155-PEA-4-2	1	Slide Tray Valve Block Assembly (Optional)
	155-PEA-4-2-1	1	Slide Tray Check Valve (Optional)
	155-PEA-4-2-2	1	Slide Tray JIC Line Mount (Optional)

REAR PUMP TO PLANETARY DRIVESHAFT



KEY	PART NUMBER	QTY	DESCRIPTION
0	118-VM-0001-1410-6	1	1-3/4”-20 Spline PTO Complete
1	118-1410-1-2	2	Greasable Cross Bearing
2	118-VM-1410-25	1	1-3/4”-13 Spline Clamp Style Hub
3	118-VM-1410-12	1	1-3/4”-20 Spline Clamp Style Hub

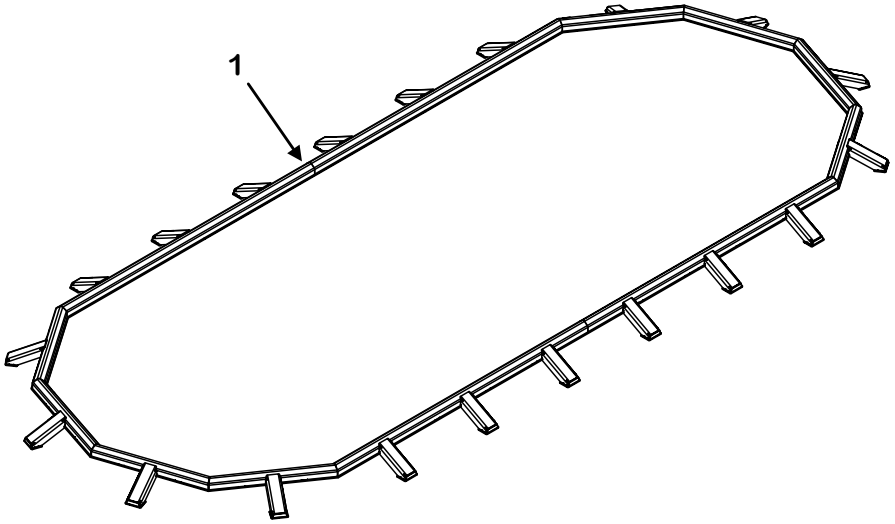
10.0 OPTIONAL PARTS



FM-VTP-0022-2

KEY	DESCRIPTION	PAGE #
1	HAY RETAINING RING	122
2	8” CAPACITY EXTENSION	123
3	TIP OFF SIDE DISCHARGE	124
4	SIDE DISCHARGE SLIDE TRAY	125
5	SLIDE TRAY HYDRAULIC SCHEMATIC	126
6	REMOTE SCALE MOUNT	128
7	RUBBER SIDE DOOR CHUTE ASSEMBLY	130
8	CONVEYOR HANGING MAGNET & WEIGHT ASSEMBLY	132
9	CONVEYOR DEFLECTOR ASSEMBLY	132
10	POWER MAGNET	134
11	2-LIGHT BUNK LIGHT PACKAGE	137
12	3-LIGHT BUNK LIGHT PACKAGE	138

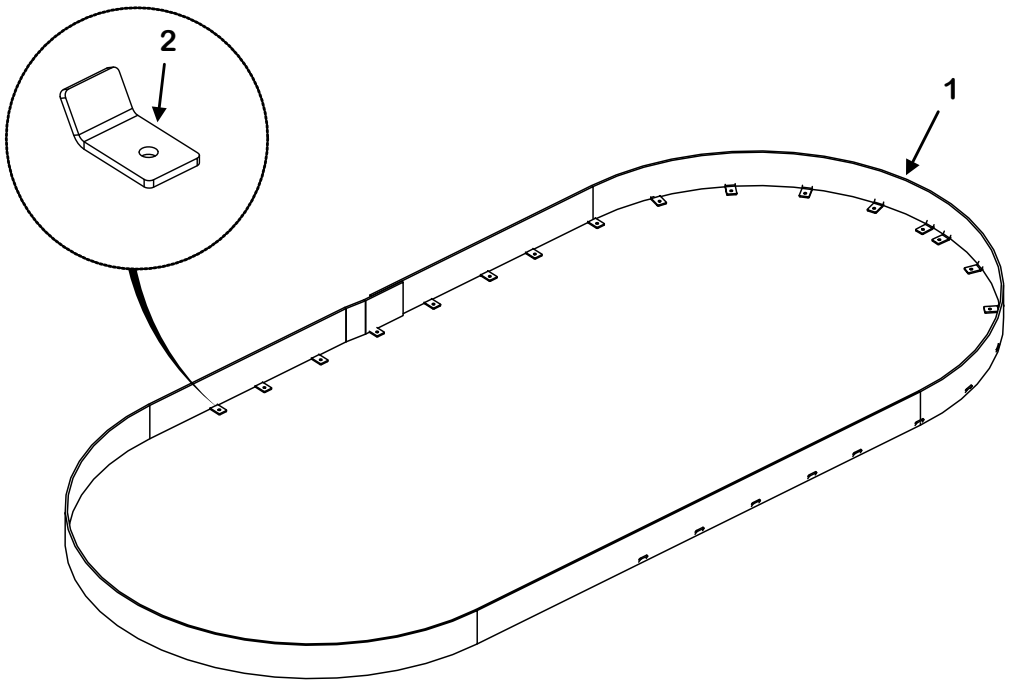
HAY RETAINING RING



FM-ML-0035-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M4-1-8-0007	1	Hay Retention Ring End Weldment	815
	M4-1-10-0002	1	Hay Retention Ring End Weldment	1015
	M4-1-12-0002	1	Hay Retention Ring End Weldment	1215
NS	851-5013-1.5Z	AR	1/2”-13 x 1 1/4” Bolt	815 - 1215
NS	805-0050-Z	AR	1/2” Flat Washer	815 - 1215
NS	810-5013-Z	AR	1/2” Spin Lock Nut	815 - 1215

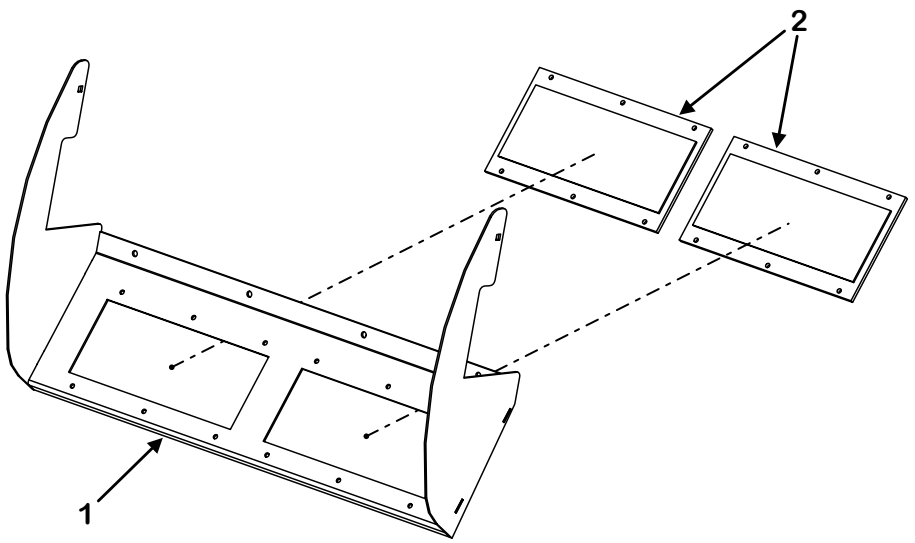
8” CAPACITY EXTENSION



FM-ML-0036-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VA-0815-CE-8	1	8” Capacity Extension Assembly	815
	VA-1015-CE-8	1	8” Capacity Extension Assembly	1015
	VA-1215-CE-8	1	8” Capacity Extension Assembly	1215
1	M11-8-0001	1	8” Capacity Extension .453” x 8” x 53-1/2 FT	815
	M11-10-0001	1	8” Capacity Extension .453” x 8” x 55 FT	1015
	M11-12-0001	1	8” Capacity Extension .453” x 8” x 56 FT	1215
	805-0038-Z	4	3/8” Flat Washer	815 - 1215
	815-3816-Z	2	3/8”-16 Nylon Insert Lock Nut	815 - 1215
	851-3816-1.25Z	2	3/8”-16 x 1-1/4” Grade 5 Machine Bolt	815 - 1215
2	M4-1-8-0006	38	Belt Extension Mounts	815 - 1215
	805-0050-Z	38	1/2” Flat Washer	815 - 1215
	814-5013-Z	38	1/2”-13 Indented Lock Nut	815 - 1215
	851-5013-1.5Z	38	1/2”-13 x 1-1/2” Grade 5 Machine Bolt	815 - 1215

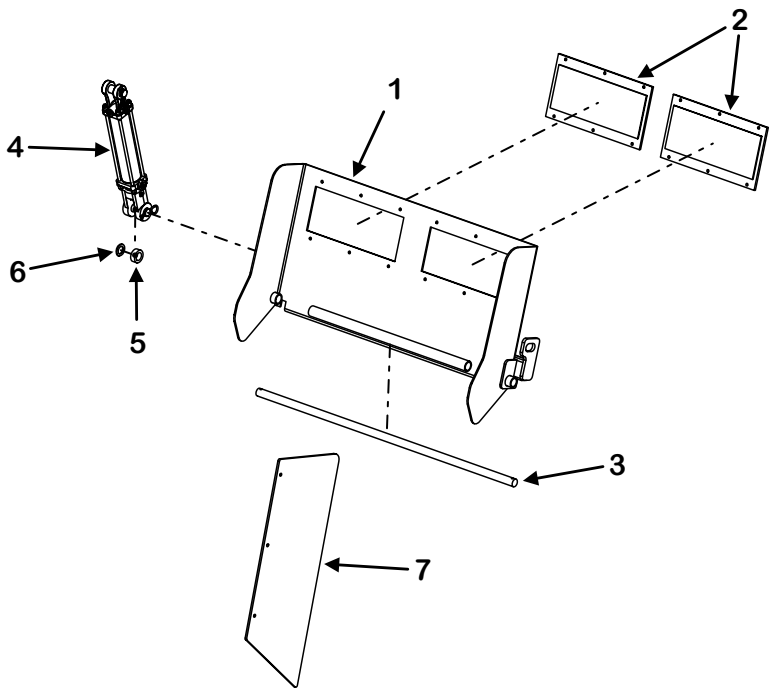
TIP OFF SIDE DISCHARGE



FM-ML-0037-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-12-0005	1	Side Discharge Conveyor Tip Off Weldment	1015/1215
	810-3816-Z	8	3/8” Spin Lock Nut	1015/1215
	851-3816-.75Z	6	3/8-16 x 3/4” Bolt	1015/1215
	850-3816-.75Z	2	3/8-16 x 3/4” Bolt	1015/1215
2	M11-1-0009	2	18.5” Discharge Magnet	1015/1215
	802T-3118-.75Z	16	5/16-18 x 3/4” Truss Head Machine Screw	1015/1215
	810-3118-Z	16	5/16-18 Spin Lock Nut	1015/1215

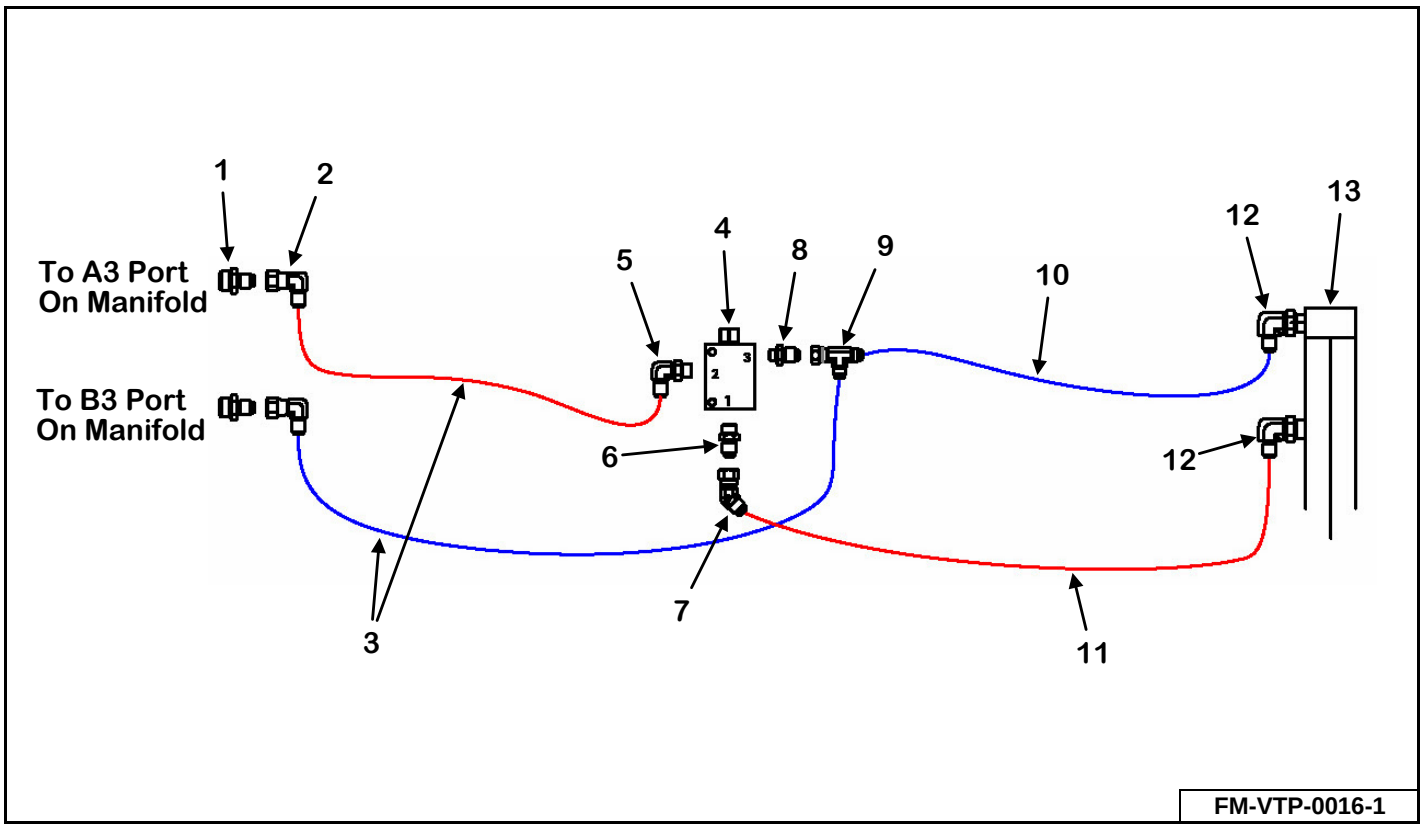
SIDE DISCHARGE SLIDE TRAY



FM-ML-0038-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
1	M3-1-12-0006	1	42” Slide Tray Weldment With Magnet Cutouts	815 - 1215
	M3-1-12-0022-1	1	42” Slide Tray Weldment Without Magnet Cutouts	815 - 1215
	M3-1-12-0022	1	42” Slide Tray Weldment Without Magnet Cutouts (Includes Item 3)	815 - 1215
2	M11-1-0009	2	18-1/2” Discharge Magnet	815 - 1215
	802T-3118-.75Z	16	5/16”-18 x 3/4” Screw	815 - 1215
	810-3118-Z	16	5/16”-18 Spin Lock Nut	815 - 1215
3	M3-1-12-0008	1	Chute Pivot Rod 1” x 47-3/4”	815 - 1215
4	155-2-8-1.125-1	1	2” x 8” x 1-1/8” Hydraulic Cylinder #8 SAE Ports	815 - 1215
5	33-0309	1	Cylinder Pin Spacer	815 - 1215
6	808-1-1.5-10-Z	1	10GA 1” ID x 1-1/2” OD MB	815 - 1215
7	M3-1-4-0044	1	Slide Tray Deflector Belting	815 - 1215
	805-0038-Z	3	3/8” Flat Washer	815 - 1215
	815-3816-Z	3	3/8”-16 Nylon Insert Lock Nut	815 - 1215
	850-3816-1Z	3	3/8”-16 x 1” Bolt	815 - 1215

SLIDE TRAY HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-6400-6-8	2	#6 JIC Male, #8 ORB Male Straight Connector
2	155-6500-06-06	2	#6 JIC Male, #6 JIC Female Swivel 90°
3	155-04R17-42-1	2	1/4” x 42” Hose Assembly
4	155-PEA-4	1	Cylinder Slide Circuit Assembly
5	155-6801-06-06	1	#6 JIC Male, #6 ORB Male 90°
6	155-6400-06-06	1	#6 JIC Male, #6 ORB Male Straight Connector
7	155-6502-06-06	1	#6 JIC Male, #6 JIC Female Swivel 45°
8	155-6400-06-04	1	#6 JIC Male, #4 ORB Male Straight Connector
9	155-6602-06-06-06	1	#8 JIC Male, #8 JIC Female Swivel, #8 JIC Male Tee Connector
10	155-04R17-185-1	1	1/4” x 185” Hose Assembly
11	155-04R17-173-1	1	1/4” x 173” Hose Assembly
12	155-6801-6-8	2	#6 JIC Male, #8 ORB Male 90°
13	155-2-8-1.125-1	1	2” x 8” x 1-1/8” Hydraulic Cylinder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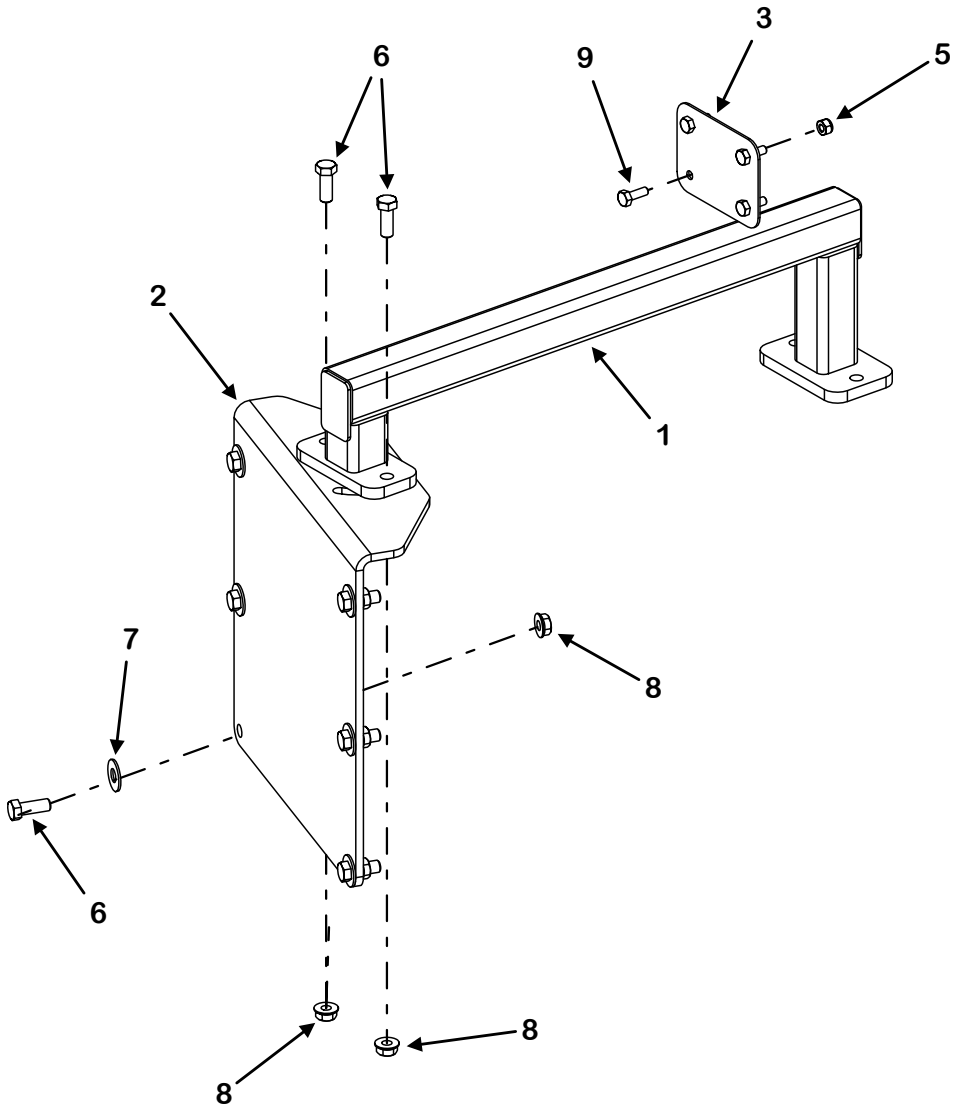
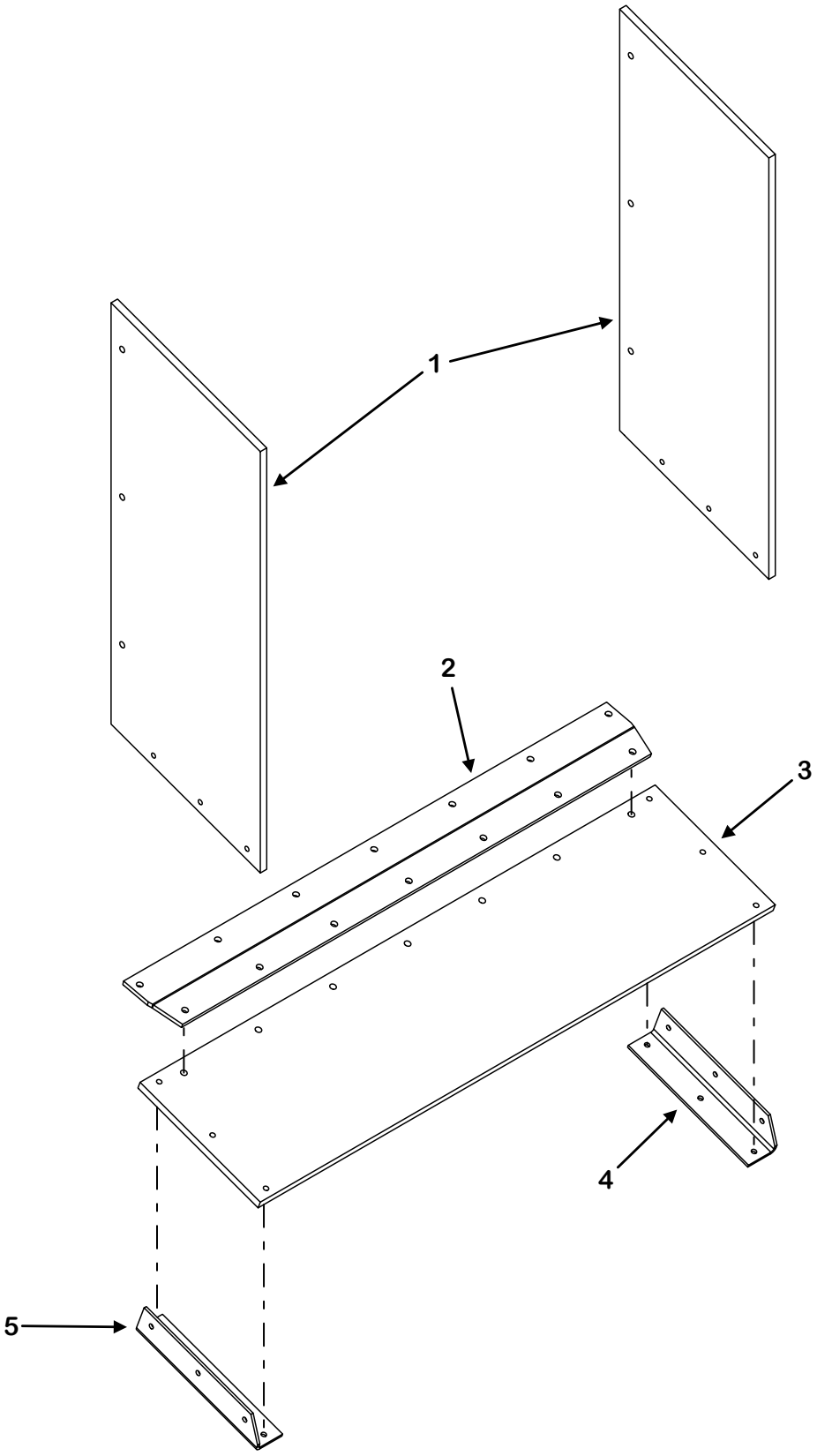
REMOTE SCALE MOUNT



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	815 - 1215
	VMSCM-405200	1	Remote Display Kit RD400 With 33' Cable/Visor	815 - 1215
	VMSCM-407227	1	Remote Display Kit RD250 With 25' Cable	815 - 1215
1	M9-1-10-0001	1	Remote Scale Mount Bracket Weldment	815 - 1215
2	M9-1-10-0002	1	Remote Scale Mount Bracket	815 - 1215
3	M9-1-10-0003	1	Remote Scale Mount Belt Gusset	815 - 1215
4	58-0010-405180	1	RD4000 Remote Display Kit W/TR-33' Cable/Visor	815 - 1215
	58-0010-405200	1	RD4000 Remote Display Kit W/33' Cable/Visor	815 - 1215
5	815-2520-Z	4	1/4"-20 Nylon Insert Lock Nut	815 - 1215
6	851-3816-1Z	8	3/8"-16 x 1" Grade 5 Machine Bolt	815 - 1215
7	805-0038-Z	6	3/8" Flat Washer	815 - 1215
8	810-3816-Z	8	3/8" Spin Lock Nut	815 - 1215
9	851-2520-.75Z	4	1/4"-20 x 3/4" Grade 5 Machine Bolt	815 - 1215
NS	58-0010-1	1	Remote Cable, Y-Harness For Dual Remote	815 - 1215 (Optional)

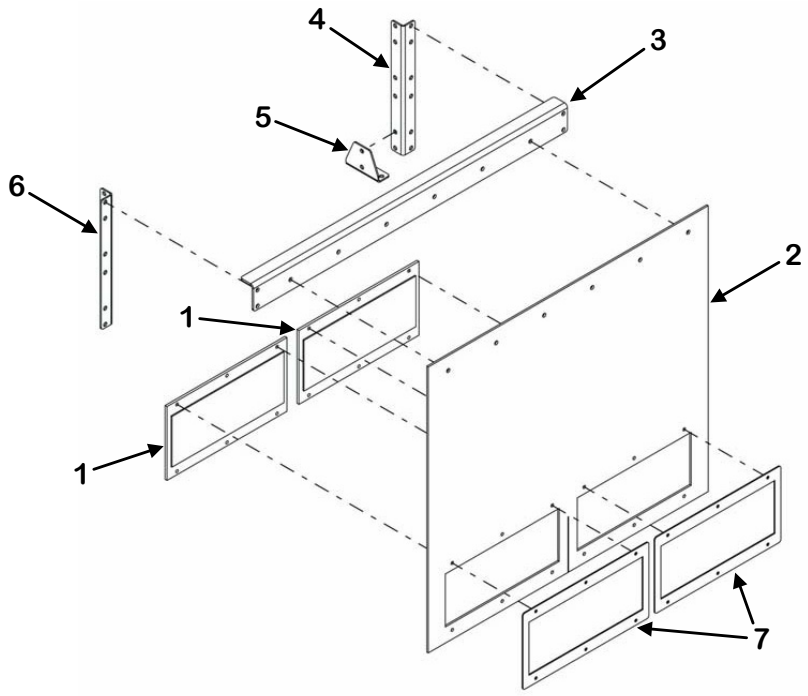
RUBBER SIDE DOOR CHUTE ASSEMBLY



FM-ML-0040-1

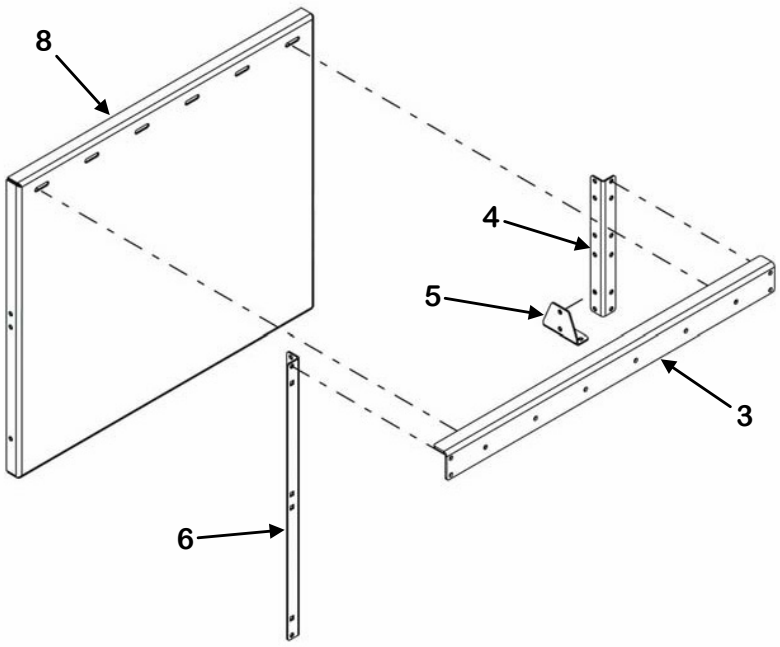
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-SDBC-12	1	12” Side Door Belt Chute	815 - 1215
	VAML-SDBC-18	1	18” Side Door Belt Chute	815 - 1215
1	M11-5-0002-2	2	Chute Side Belt (12” Belt Chute)	815 - 1215
	M11-5-0002-2-18	2	Chute Side Belt (18” Belt Chute)	815 - 1215
2	M11-5-0002-5	1	Side Door Belt Chute Mount	815 - 1215
3	M11-5-0002-1	1	Chute Bottom Belt (12” Belt Chute)	815 - 1215
	M11-5-0002-1-18	1	Chute Bottom Belt (18” Belt Chute)	815 - 1215
4	M11-5-0002-4	1	Chute Corner Right Side Bracket (Facing Door) (12” Belt Chute)	815 - 1215
	M11-5-0002-4-18	1	Chute Corner Right Side Bracket (Facing Door) (18” Belt Chute)	815 - 1215
5	M11-5-0002-3	1	Chute Corner Left Side Bracket (Facing Door) (12” Belt Chute)	815 - 1215
	M11-5-0002-3-18	1	Chute Corner Right Side Bracket (Facing Door) (18” Belt Chute)	815 - 1215
NS	802T-2520-1Z	12	1/4”-20 x 1” Truss Head Machine Screw (12” Belt Chute)	815 - 1215
	802T-2520-1Z	20	1/4”-20 x 1” Truss Head Machine Screw (18” Belt Chute)	815 - 1215
NS	802T-3118-1.25Z	20	5/16”-18 x 1-1/4” Truss Head Machine Screw	815 - 1215
NS	805-0025-Z	12	1/4” Flat Washer (12” Belt Chute)	815 - 1215
	805-0025-Z	20	1/4” Flat Washer (18” Belt Chute)	815 - 1215
NS	805-0031-Z	13	5/16” Flat Washer	815 - 1215
NS	810-3118-Z	7	5/16”-18 Spin Lock Nut	815 - 1215
NS	815-2520-Z	12	1/4”-20 Nylon Insert Lock Nut (12” Belt Chute)	815 - 1215
	815-2520-Z	20	1/4”-20 Nylon Insert Lock Nut (18” Belt Chute)	815 - 1215
NS	815-3118-Z	13	5/16”-18 Nylon Insert Lock Nut	815 - 1215

CONVEYOR HANGING MAGNET & WEIGHT ASSEMBLY



FM-ML-0044-1

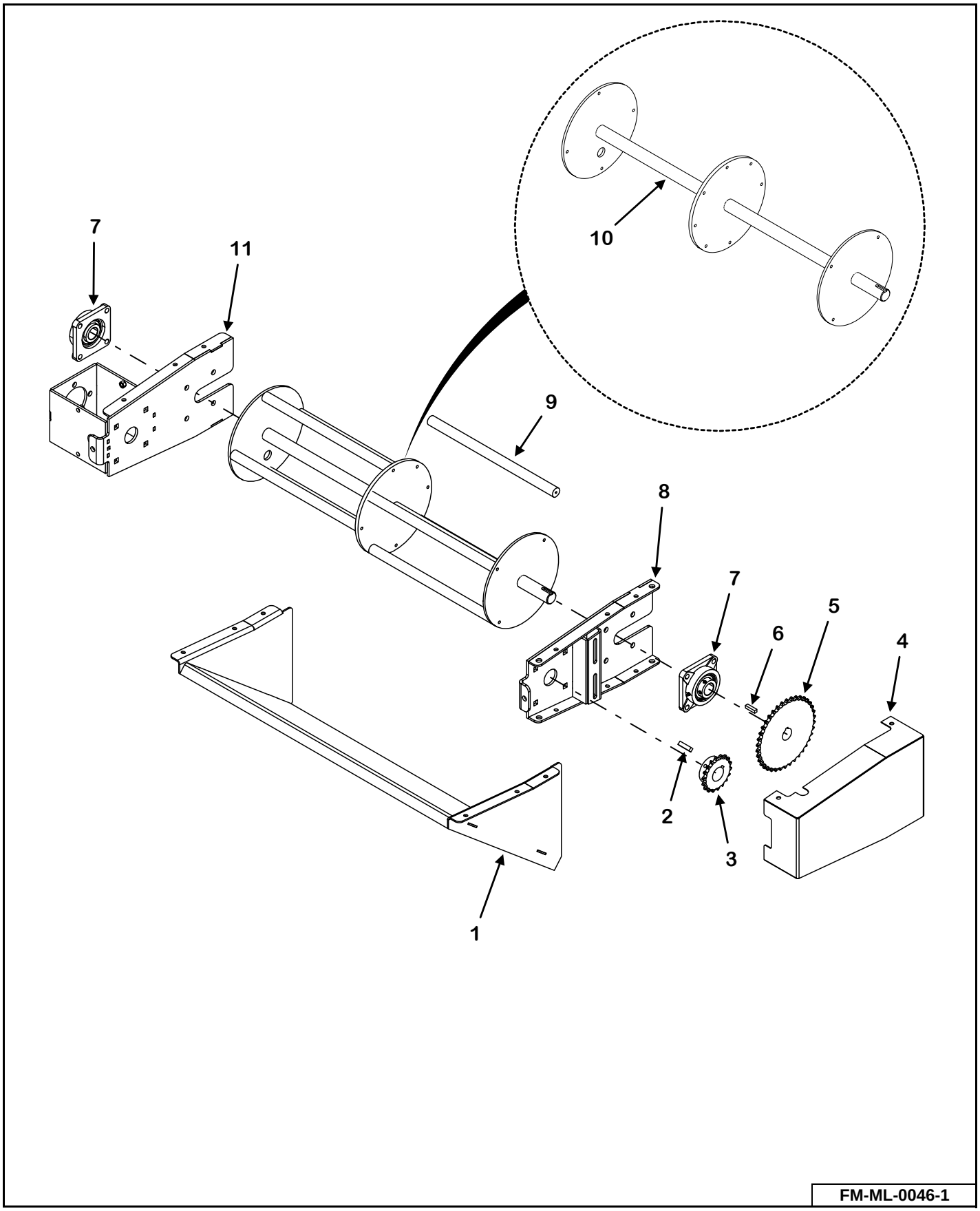
CONVEYOR DEFLECTOR ASSEMBLY



FM-ML-0045-1

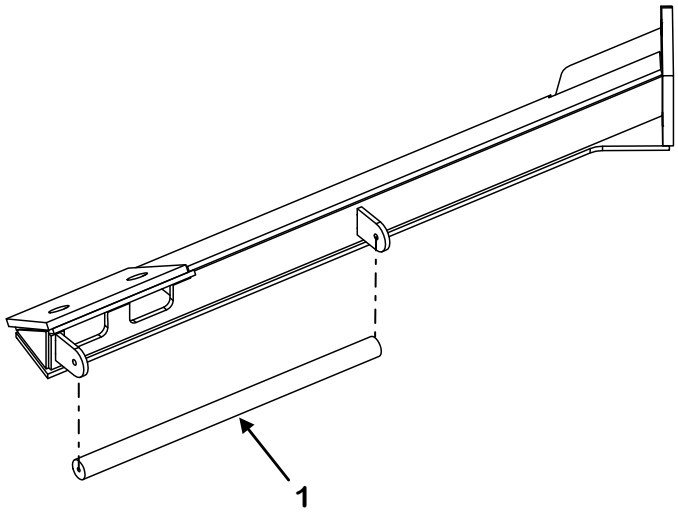
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-HMB-F	1	Hanging Magnet Kit For Left / Right Discharge (Front Flat Belt Conveyor)	815 - 1215
	VAML-HMB-I	1	Hanging Magnet Kit For Left / Right Discharge (Front Incline Belt Conveyor)	815 - 1215
	VAML-HDB-F	1	Hanging Weight Kit For Left/Right Discharge (Front Flat Belt Conveyor)	815 - 1215
	VAML-HDB-I	1	Hanging Weight Kit For Left/Right Discharge (Front Incline Belt Conveyor)	815 - 1215
	VAML-DBD-F	1	Deflector Kit For Left/Right Discharge (Front Flat Belt Conveyor)	815 - 1215
	VAML-DBD-I	1	Deflector Kit For Left/Right Discharge (Front Incline Belt Conveyor)	815 - 1215
1	M11-1-0004	2	15” Hanging Magnet	815 - 1215
	M11-1-0026	2	15” Hanging Weight Plate	815 - 1215
2	M11-1-0003-4	1	Magnet Belting	815 - 1215
3	M11-1-0003-1	1	Hanging Magnet Mount (Front Flat Belt Conveyor)	815 - 1215
4	M11-1-0003-2	1	Magnet Mount Rear Support Upright (Front Flat Belt Conveyor)	815 - 1215
	M11-7-0002	1	Magnet Mount Rear Support Upright (Front Incline Belt Conveyor)	815 - 1215
5	M11-1-0003-3	1	Magnet Support Mount	815 - 1215
6	M11-7-0002	1	Magnet Mount Front Support Upright (Front Flat & Incline Belt Conveyor)	815 - 1215
7	M11-1-0003-4-1	2	Hanging Magnet / Weight Backer Plates	815 - 1215
8	M11-1-0003-5	1	Deflector Plate (Belt Conveyor Only)	815 - 1215

POWER MAGNET



KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAML-PRM-FDI- KIT	1	Medium/Large Family Power Magnet Flat Conveyor Kit	815 - 1215
1	M3-1-10-0028	1	Deflector Weldment	815 - 1215
2	35-0010	1	3/8” x 3/8” x 1-1/2” Square Key	815 - 1215
3	110-50B18-1.5-1	1	50B18 1-1/2” Sprocket	815 - 1215
4	M3-1-10-0029-1	1	Shield Weldment	815 - 1215
5	110-50B38-1.25-1	1	50B38 1-1/4” Sprocket	815 - 1215
6	35-0030-H	1	5/16” x 5/16” x 1-1/4” Square Key	815 - 1215
7	14-0101	2	1-1/4” 4-Bolt Bearing	815 - 1215
8	M3-1-10-0025	1	Bearing Mount Weldment	815 - 1215
9	M3-1-8-0020-4	8	Magnet Tube	815 - 1215
10	M3-1-8-0020-1	1	Spinner Weldment	815 - 1215
11	M3-1-10-0026	1	Motor Mount Weldment	815 - 1215

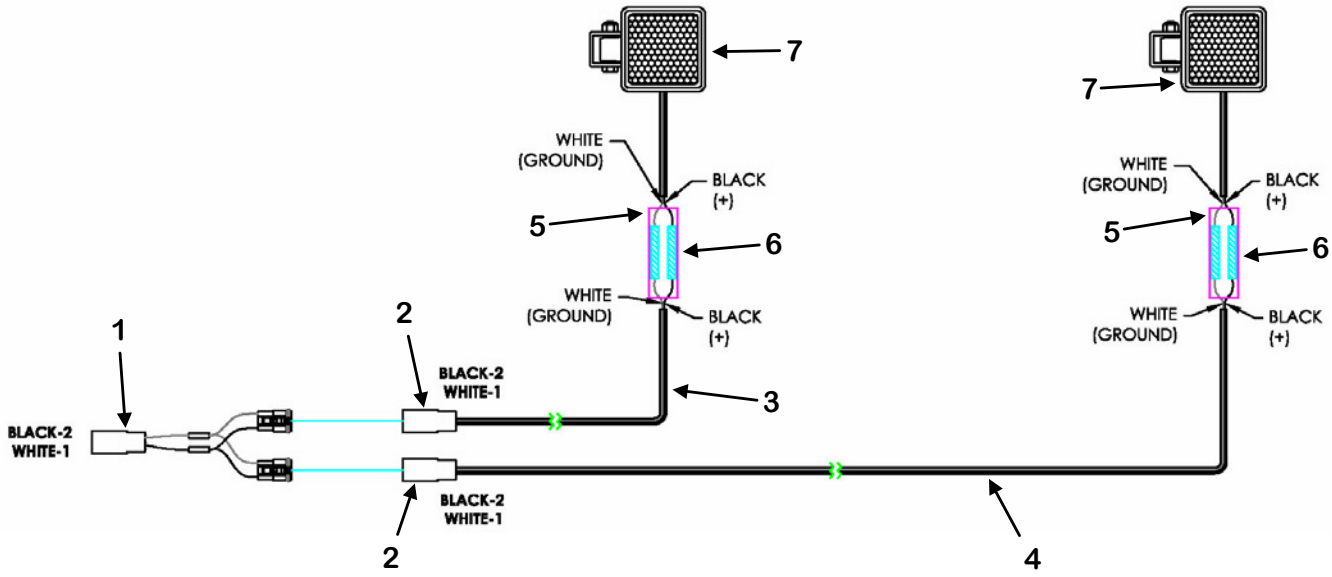
KICKER MAGNET



FM-ML-0057-1

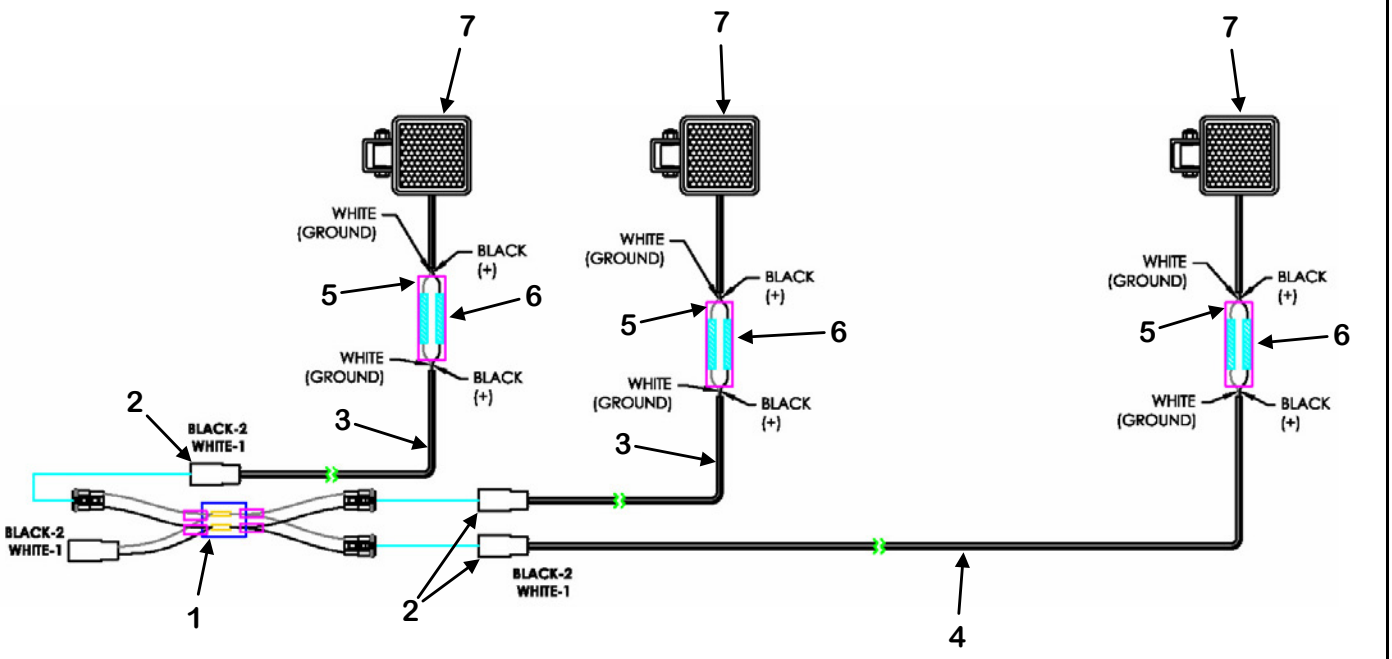
KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VAL-AKM-K	2	Kicker Weldment With Magnet Kit	All Models
1	VAL-AKM-K	2	Kicker Weldment With Magnet Kit (Prior to 2021 Model Year)	815 - 1215
	M3-1-8-0020-4	AR	Kicker Magnet (2021 Model Year & Later)	815 - 1215
	851-2520-.75SS	2 per	1/4”-20 x 3/4” Hex Cap Screw	815 - 1215
	822-0025-Z	2 per	1/4” Split Lock Washer	815 - 1215

2-LIGHT BUNK LIGHT PACKAGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0605	1	2 Bulk Light Harness
2	156-DT04-2P	2	2-Pin Deutsch Receptacle
	156-W2P	2	Wedge
	156-0460-202-1631	4	Male Pins
3	56-0017	1	14 ft 16 GA/2 Wire (Side)
	56-0017	1	15 ft 16 GA/2 Wire (Front)
4	56-0017	1	22 ft 16 GA/2 Wire
5	156-HD-.375-1	2	3/8” Heat Shrink Tube 4” Long
6	56-0055	4	Heat Shrink Butt Connector
7	56-0137	2	3” x 3” Work Light

3-LIGHT BUNK LIGHT PACKAGE



KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0607	1	3 Bunk Light Harness
2	156-DT04-2P	3	2-Pin Deutsch Receptacle
	156-W2P	3	Wedge
	156-0460-202-1631	6	Male Pins
3	56-0017	2	15 ft 16 GA/2 Wire
4	56-0017	1	22 ft 16 GA/2 Wire
5	156-HS-375-1	3	3/8” Heat Shrink Tube 4” Long
6	56-0055	6	Heat Shrink Butt Connector
7	56-0137	3	3” x 3” Work Light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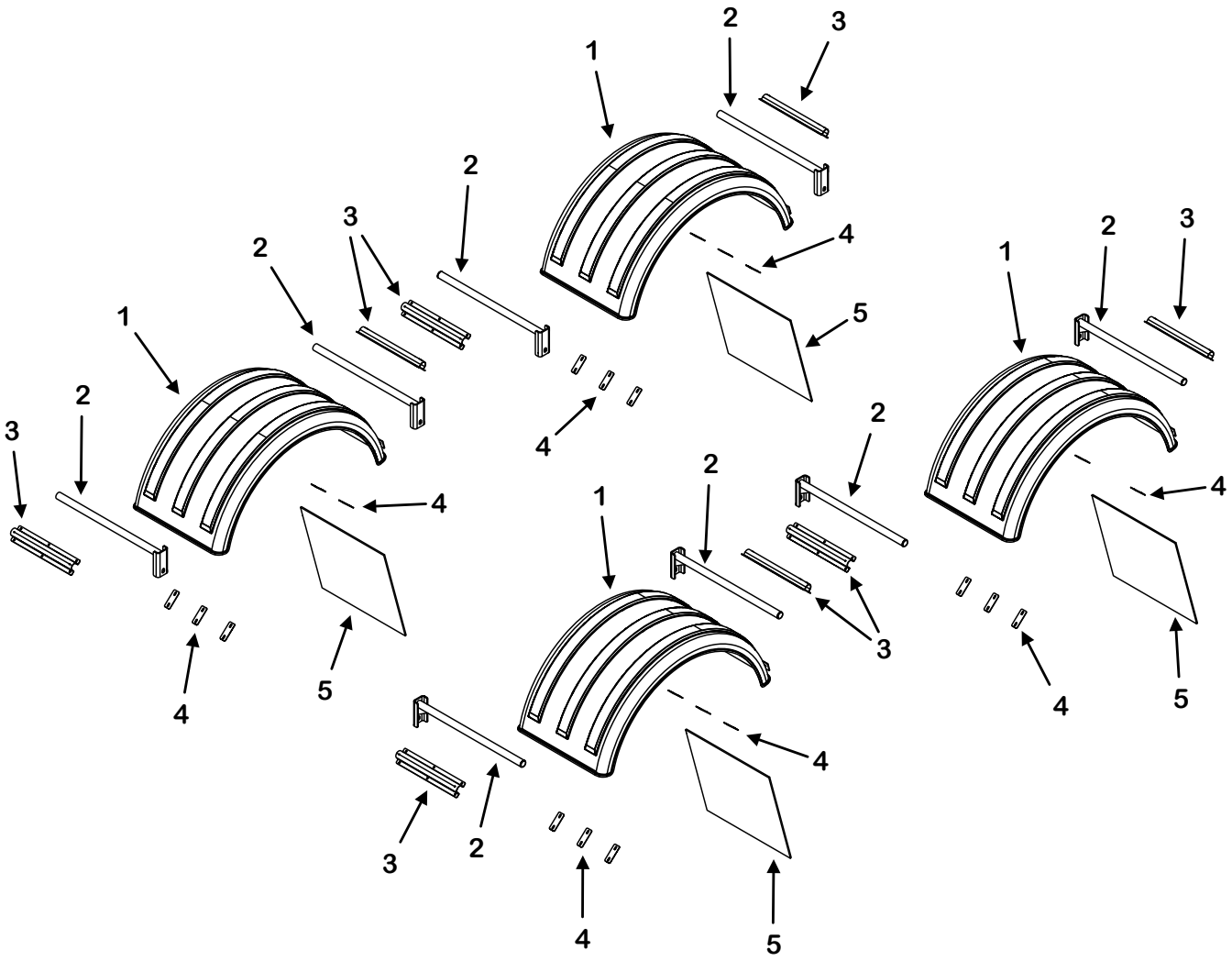
POLY FENDER KIT



FM-VTP-0023-1

KEY	PART NUMBER	QTY	DESCRIPTION	MIXER MODEL
0	VTAL-TFK-X	1	Poly Fender Kit	815 - 1215
1	M11-1-0038-1-1	4	Black Poly Fender	815 - 1215
2	75-2440-3	8	30” Fender Mount Arm Assembly	815 - 1215
3	75-2457	8	Fender Mount Plate	815 - 1215
4	75-2405-2	24	Fender Underside Mount	815 - 1215
5	49-0274A	4	Rubber Fender Flap	815 - 1215

11.0 SPECIFICATIONS

815 / 1015 / 1215 DIMENSIONS			
	815	**1015**	**1215**
Mixing Chamber Length	254”	261”	269”
Max Discharge Reach - Front Cross Conveyor - Flat	9”	9”	9”
Max Discharge Reach - Side Conveyor - 24” / 36” / 48” / 60” / 72” (In Down Position)	35” /46” / 57” / 68” / 79”	35” /46” / 57” / 68” / 79”	35” /46” / 57” / 68” / 79”
Max Discharge Reach - Side Slide Tray	18”	18”	18”
Max Discharge Reach - Side Belt Extension	15”	15”	15”
Max Discharge Height - Front Cross Conveyor - Flat	41”	41”	41”
Max Discharge Height - Side Conveyor - 24” / 36” / 48” / 60” / 72” (In Down Position)	41” / 45” / 49” / 54” / 58”	41” / 45” / 49” / 54” / 58”	41” / 45” / 49” / 54” / 58”
Max Discharge Height - Side Slide Tray	25”	25”	25”
Max Discharge Height - Side Belt Extension	32”	32”	32”

815 / 1015 / 1215 SPECIFICATIONS			
	815	**1015**	**1215**
Mixing Capacity - No Extension	818 Cu. Ft.	1016 Cu. Ft.	1215 Cu. Ft.
Mixing Capacity - Extensions	910 Cu. Ft.	1112 Cu. Ft.	1315 Cu. Ft.
Unit Weight - Front Discharge - lbs (Option Sensitive)	N/A	N/A	N/A
Unit Weight - Side Discharge - lbs (Option Sensitive)	N/A	N/A	N/A
Maximum Net Load - lbs	27,300	33,360	39,450
Auger Qty.	2	2	2
Auger Diameter	107”	107”	107”
Auger - Upper Flighting Thickness	5/8”	5/8”	5/8” Heat Treated
Auger - Lower Flighting Thickness	3/4”	3/4”	3/4” Heat Treated
Auger - Knives - Adjustable - Per Auger	6	7	7
Discharge Door Opening - Front	46” x 40”	46” x 40”	46” x 40”
Discharge Door Opening - Side	42” x 40”	42” x 40”	42” x 40”
Discharge Door Opening - Rear	46” x 40”	46” x 40”	46” x 40”
Discharge - Conveyor Width - Front / Side	36” x 42”	36” x 42”	36” x 42”
Discharge - Front Cross Conveyor Travel - Left or Right	8”	8”	8”
Tub - Floor Thickness	3/4”	3/4”	1”
Tub - Sidewall Thickness	1/4”	1/4”	1/4”
Tub / Truck - Scale System	4-Point	4-Point	4-Point

FEATURES			
	815	**1015**	**1215**
Twin Mixing Augers	STD	STD	STD
Replaceable Scrapers	STD	STD	STD
Hardened Knives	STD	STD	STD
Hay Stops	STD	STD	STD
Ladder	STD	STD	STD

OPTIONS			
	815	**1015**	**1215**
Side Discharge Door Right/Left	OPT	OPT	OPT
Front Discharge Door	OPT	OPT	OPT
Rear Discharge Door	OPT	OPT	OPT
Front Cross Conveyor	OPT	OPT	OPT
Side Door Conveyor	OPT	OPT	OPT
Viewing Platform	OPT	OPT	OPT
Slide Tray	OPT	OPT	OPT
Magnets	OPT	OPT	OPT
Hay-Retention Ring	OPT	OPT	OPT
Capacity Belt Extension	OPT	OPT	OPT
Hardened Knives (Additional)	OPT	OPT	OPT
Tank Liner	OPT	OPT	OPT
Baffle Liner	OPT	OPT	OPT

NOTES

NOTES

12.0 MAINTENANCE RECORDS

MODEL NO. ______________________________ SERIAL NO. ______________________________

Date	Service Performed

Date	Service Performed

MEYER MFG. CORP.

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

PRODUCT MANUALS

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