



# FORMULA MIXER

Models F2-1070 • F2-1270 • F3-1570

## Owner / Operator's Manual

2022 Model Year & Later



## 1.0 IMPORTANT INFORMATION

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

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



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

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

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

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

Dealership \_\_\_\_\_

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



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

### HOW TO READ YOUR SERIAL NUMBER

#### MIXER

EXAMPLE: 22FT1570201

Model Year / Formula Mixer / Model / Sequence Of Build



22



FT



1570



201

#### TRAILER

EXAMPLE: FTT22201

Vertical Formula Trailer / Model Year / Sequence Of Build



FTT



22



201

Meyer Manufacturing Corporation  
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## 2.0 PRE-DELIVERY & DELIVERY CHECKLIST

PB Mixer Checklist

### Meyer Manufacturing Corporation

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

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

#### PRE-DELIVERY CHECKLIST

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. See "Lubrication" section of this manual.
- ☐ Cross Conveyor Belt or Chain are at proper tension. See "Adjustments" section in this manual. (If Equipped)
- ☐ All decals are in place and legible.
- ☐ All stop/tail/turn lights work properly.

#### DELIVERY CHECKLIST

The following checklist 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 checklist 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 mixer manufacturer's warranty.
- ☐ Show the customer where to find the serial number on the implement.
- ☐ Explain and review with the customer "Safety Precautions" section of this manual.
- ☐ Explain and review with customer the proper "Start-up and Operating Procedures" sections of this manual.
- ☐ Explain and review with customer the recommended loading and unloading procedures.
- ☐ Demonstrate the start-up and shutdown controls, proper hydraulic hose storage and tip holder used to keep system clean from contaminants.
- ☐ Explain the importance of conveyor chain or belt tension, and the need to watch and tighten during the break-in period. (If Equipped)
- ☐ Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the mixer. Review with the customer the "Lubrication" and "Adjustments" sections of this manual.
- ☐ Fully complete this "PRE-DELIVERY & DELIVERY CHECKLIST" with the customer.



**Meyer Manufacturing Corporation**

674 W. Business Cty Rd A

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

### 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 Operator's & Parts manual 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 takeoff from the tractor.

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 the 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 equipment by your dealer and the manufacturer when ordering repair parts. The mixer serial number plate is located on the left hand side of the mixing tub. The trailer serial number plate is located on the left hand side of the trailer hitch.

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

FEATURES

DESCRIPTION	F2-1070	F2-1270	F3-1570

OPTIONS

DESCRIPTION	F2-1070	F2-1270	F3-1570

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## 4.0 MANUFACTURER'S WARRANTY

1/2021

### 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 119-30-29.4-1
- IV. COMMERCIAL USE: Coverage as in paragraph III.A.i. only, except warranty coverage is for (90) days for parts and labor to the original commercial retail customer.
- V. Repairs eligible for labor warranty must be made by Meyer Mfg. Corp. or an authorized Meyer dealership. The original retail customer is responsible for any service call and/or transportation of the mixer to the dealership or the factory for warranty service.
- VI. Except as stated above, Meyer Mfg. Corp. shall not be liable for injuries or damages of any kind or nature, direct, consequential, or contingent, to persons or property. This warranty does not extend to loss of crop or for any other reasons.
- VII. No person is authorized to give any other warranties or to assume any other obligation on Meyer Mfg. Corp.'s behalf unless made or assumed in writing by Meyer Mfg. Corp. This warranty is the sole and exclusive warranty which is applicable in connection with the manufacture and sale of this product and Meyer Mfg. Corp.'s responsibility is limited accordingly.

#### Purchased Product Warranty:

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



## 5.0 SAFETY

Meyer Mfg. Corp. equipment is manufactured with operator safety in mind. Located on the equipment are various safety signs to aid in operation and warn of hazardous areas. Pay close attention to all safety signs on the equipment.

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 equipment, read and study the following safety information. In addition, make sure that every individual who operates or works with the equipment, 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 equipment itself warn you of hazards 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 death or serious injury.



**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 equipment, as well as the components of the equipment. All personnel operating or maintaining this equipment must familiarize themselves with all Danger, Warning, Caution, and instructional decals and plates.

## 5.1 SAFETY PRECAUTIONS



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

- DO NOT allow anyone to operate, service, inspect or otherwise handle this 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. (See 5.3 SHUTOFF & LOCKOUT POWER on page 22.)
- Always enter curves or drive up or down hills at a low speed and at a gradual steering angle.
- Never allow riders on tractor or equipment.
- Keep tractor in a lower gear at all times 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 Tractor Towed Units:**

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

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

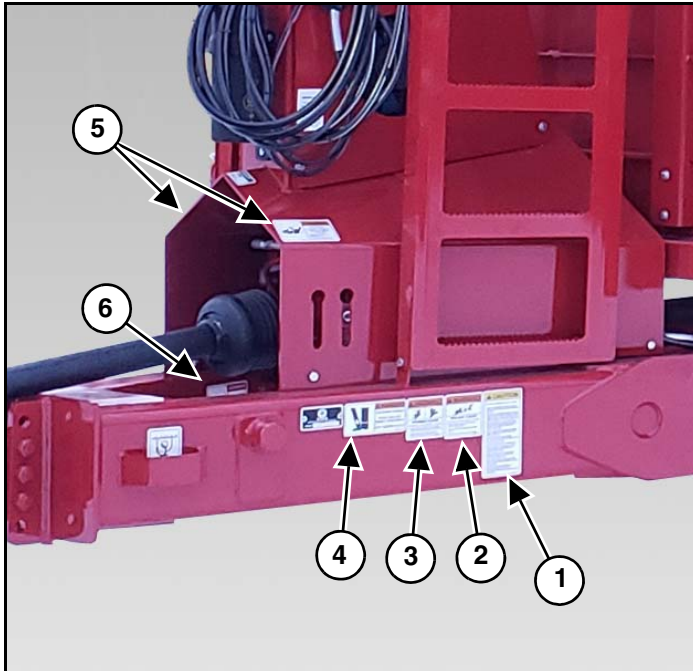
- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use hands to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel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

## 5.2 SAFETY SIGNS

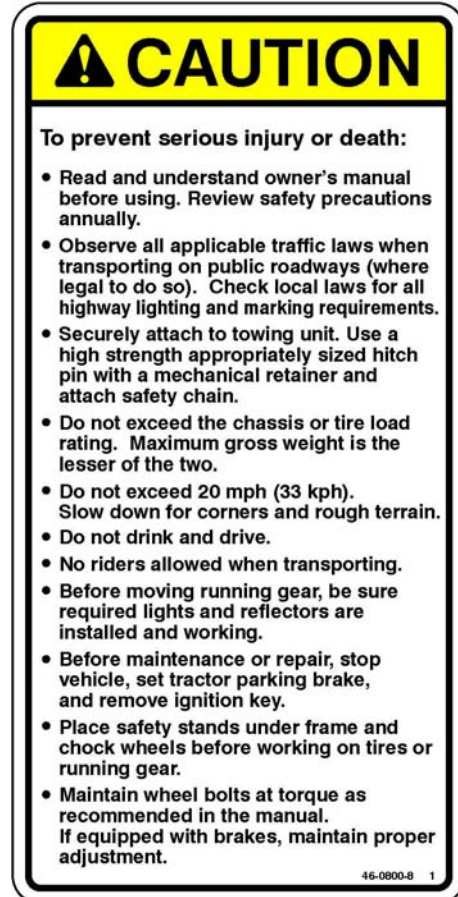


Read all safety signs on the equipment and in this manual. Keep all safety signs clean and replace any damaged or missing safety signs before operating the equipment. Do Not remove any safety signs. Safety signs are for operator protection and information.

FRONT OF MIXER



1



PART NO. 46-0800-8

4



PART NO. 46-3600-6

5



PART NO. 46-3600-9

6



PART NO. 46-3600-2

(Located on trailer frame underneath housing)

3



PART NO. 46-0800-6

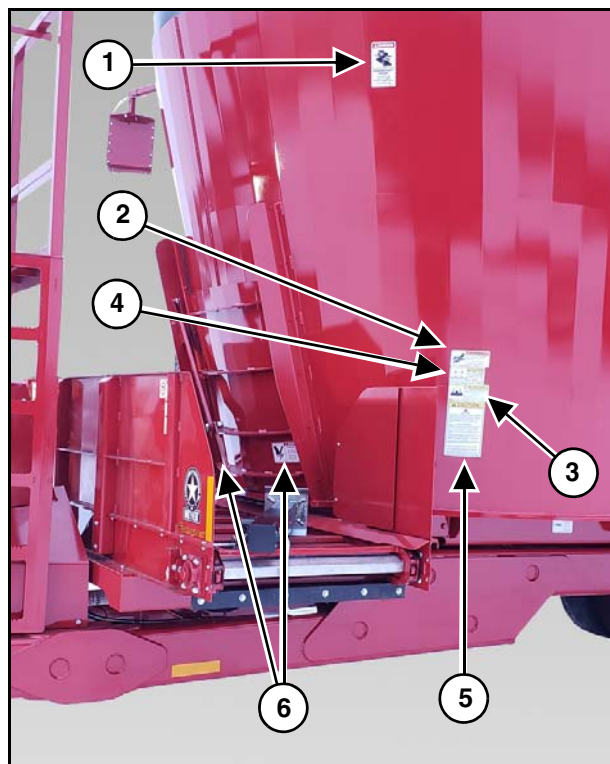
2



PART NO. 46-0800-7



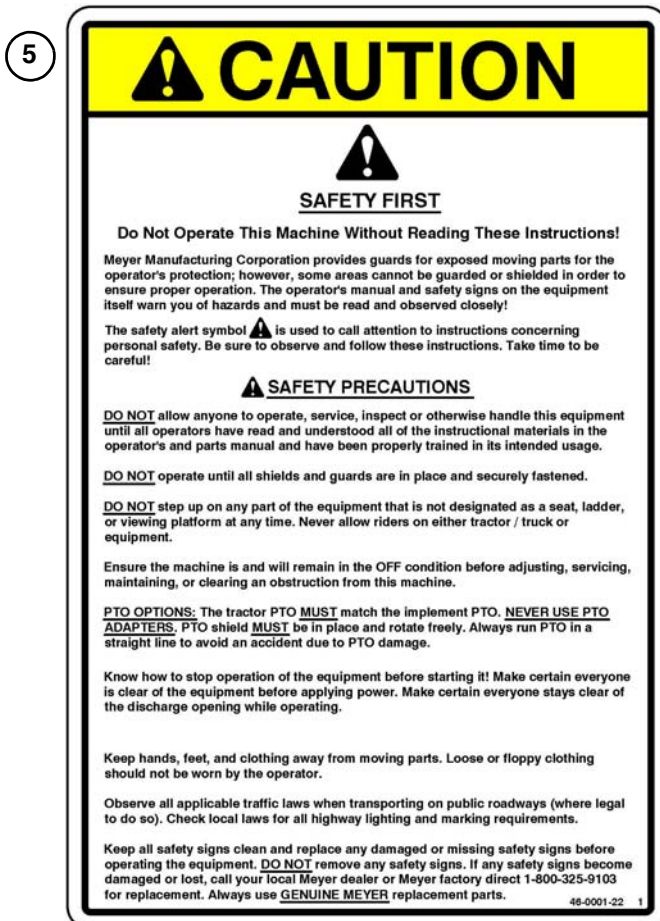
## FRONT OF MIXER



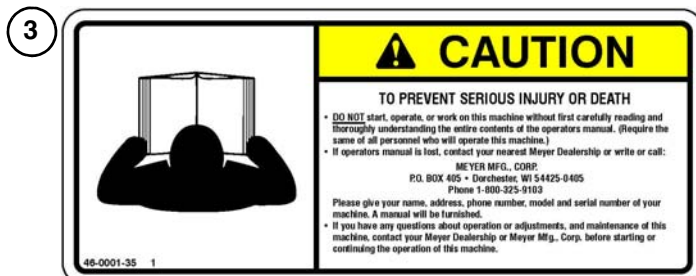
PART NO. 46-0001-213



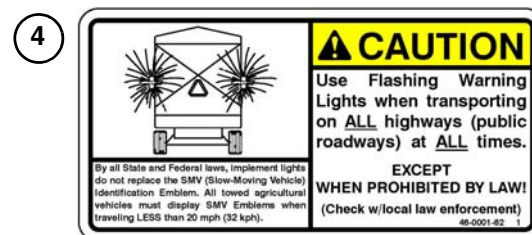
PART NO. 46-8500-7



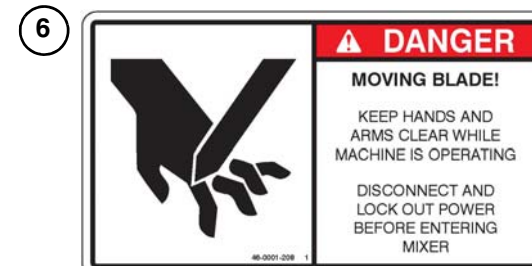
PART NO. 46-0001-22



PART NO. 46-0001-35

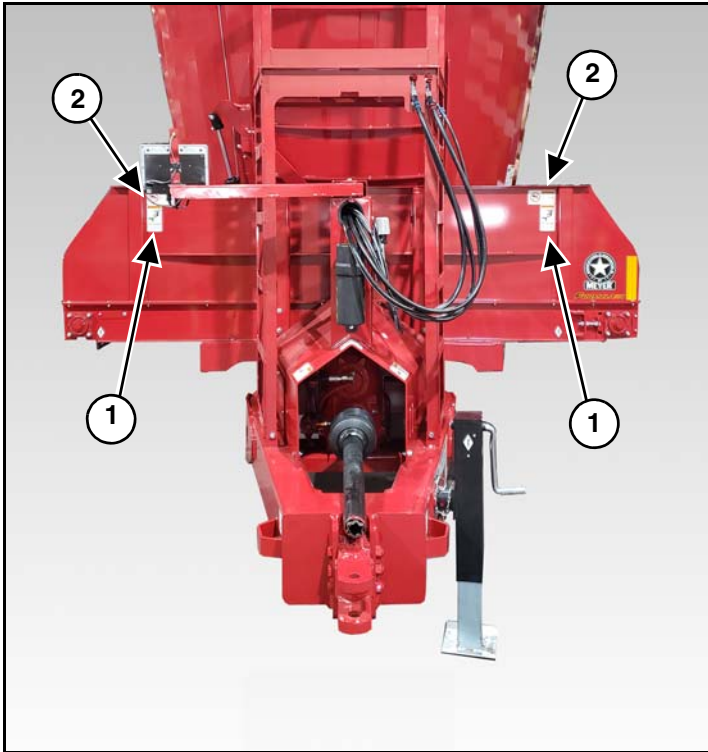


PART NO. 46-0001-62



PART NO. 46-0001-208

# FRONT OF MIXER



1



PART NO. 46-0001-210

2



PART NO. 46-0001-209

LEFT SIDE OF MIXER



1



PART NO. 46-0001-212

RIGHT SIDE OF MIXER

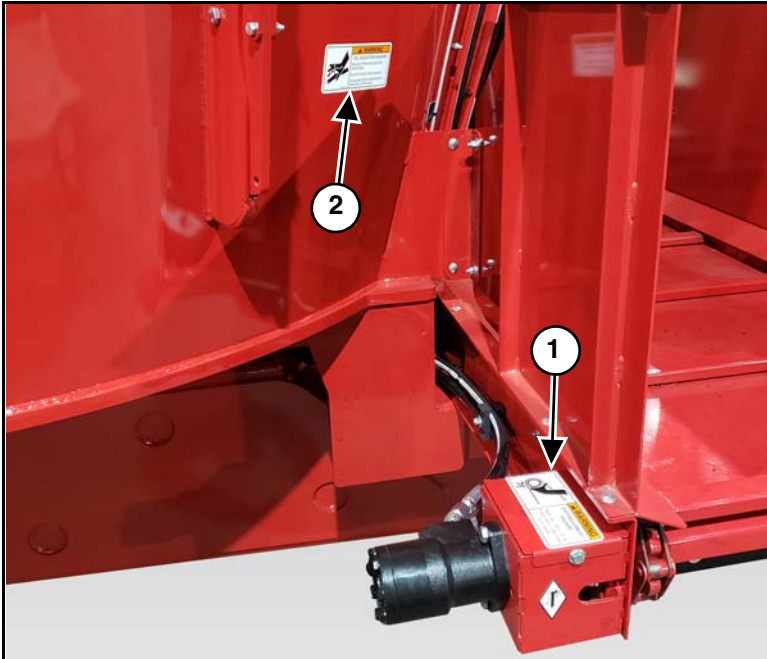


2



PART NO. 46-0001-213

RIGHT SIDE OF MIXER



1



PART NO. 46-0001-4

2



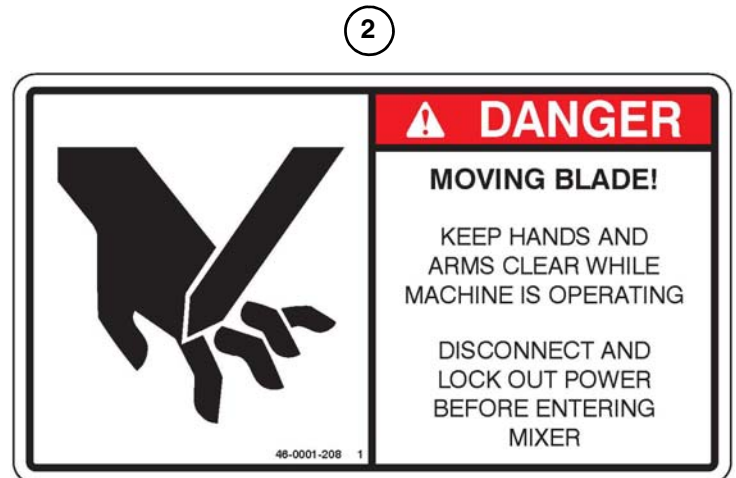
PART NO. 46-8500-7



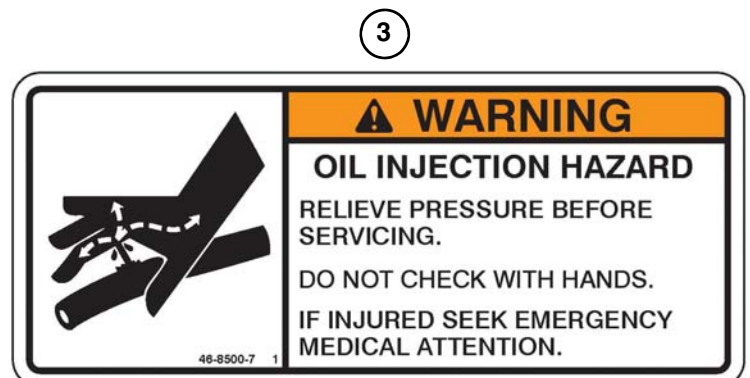
# BACK OF MIXER



PART NO. 46-0001-213



PART NO. 46-0001-208



PART NO. 46-8500-7

## 5.3 SHUTOFF & LOCKOUT POWER

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

### 5.3.1 Shutoff & Lockout Power Recommendations

#### 1. Think, Plan and Check

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

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

#### 3. Power Sources

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

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

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

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

**IMPORTANT**

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

## 6.0 PRE-OPERATION



### CAUTION

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

Verify that the equipment is securely fastened to the tractor.

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

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

Keep hands, feet and clothing away.

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

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

**NOTE:** The 2-speed transmission cooler fan turns on when the oil temperature reaches 165° F.

### 6.1 STATIC INSPECTION



### WARNING

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

Keep all electrical cords and cables in good serviceable condition. Failure to heed could result in serious personal injury or death.

### IMPORTANT

Check that all gear cases and oil bath enclosures contain oil and that bearings and joints have been greased. (See maintenance section).

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. (See 8.2 ADJUSTMENTS)
3. Check that all lubrication has been completed. (See 8.1 LUBRICATION)
4. Make sure that all guards and shields are in place, secured and functioning as designed.
5. Check that all planetary and transmission radiators are clean and clear of any debris. Clean radiators with compressed air if necessary.
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 reservoirs and automatic transmission for proper oil level. (See 8.1 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 tight.
12. Watch for any worn or cracked welds. Especially in the areas of the hitch and axles. 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.

## 6.2 LIGHT HOOK-UP

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

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

Color	Function	SAE Terminal	SAE Connector
Red	Ground	1	
	Not Used	2	
Yellow	Left Turn & Hazard	3	
	Not Used	4	
Green	Right Turn & Hazard	5	
Brown	Tail Lights	6	
	Auxiliary Power	7	

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

## 6.3 HYDRAULIC HOOK-UP

**Pull Type:** Requires 25 GPM @ 3000 PSI.

Call the factory if additional information is needed.

**IMPORTANT**

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

**WARNING**

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



## 6.4 PTO DRIVELINE



**CAUTION**

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



**DANGER**

Do not operate without PTO guard on implement and tractor. Maintain PTO drive shaft guard tubes in good operating condition. Replace them if damaged and not turning freely. Failure to heed may result in serious personal injury or death.

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

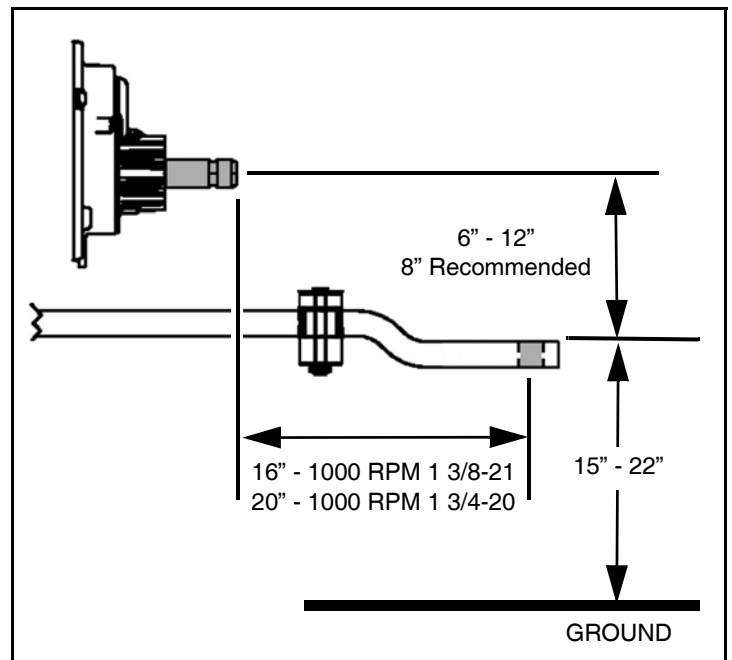
See your PTO Installation, Service, and Safety Instruction Manual for additional PTO details. Call the factory for a replacement manual at 1-800-325-9103.

See your ADMA Safety Manual for further safety situations and precautions that you should familiarize yourself and those that may be operating this equipment. Call the factory for a replacement manual at 1-800-325-9103.

### 6.4.1 Tractor Drawbar Setup

Do not operate 1000 RPM implements at 540 RPM.

Set your tractor drawbar to conform to the standard dimensions as shown. An improperly located hitch point may cause damage to the universal joints of the PTO drive shaft. This will ensure that the PTO drive shaft will not be over extended.



## 6.5 HITCHING TO TRACTOR

Before hitching to the tractor, make sure that there is sufficient ballast on the front axle of the tractor.

Depending on conditions, the ballast weight needs to be adjusted to optimize tractor drive. The front axle load must never, under any circumstances, be less than 20% of the tractor's unladen weight.

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



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

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



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

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

Fasten the mixer hitch to the tractor drawbar with a properly sized hitch pin with safety retainer. (Reference ANSI/ASABE AD6489-3 Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar.)

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

Before operation and after hitching the tractor to the implement, connect the hydraulic hoses (if applicable) and light cord to the tractor. Place the jack into the storage position. (See 6.5.1 Jack Storage on page 26.)

### 6.5.1 Jack Storage



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



After hitching the mixer to the tractor.

Using the handle, raise the jack off the ground and remove the pin. Move the jack to the storage mount (Item 1) located on the back right hand side of the mixing tub. Reinstall the pin to lock the jack into the transport position.

**NOTE: Keeping jack stored in proper position will keep it from getting damaged during transportation.**

## 6.6 START-UP AND SHUT-DOWN



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

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

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



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

### 6.6.1 Start-Up

Be sure there is no one inside the mixer and that the mixer is empty.

Enter the tractor and start the engine.

Set the parking brake.

Check to see that the discharge door is closed.

Slowly engage the PTO and operate at idle speed.

Bring PTO RPM up to its rated RPM.

### 6.6.2 Shut-Down

Disengage the PTO.

Turn off conveyor, if equipped.

Fully lower all doors.

Raise slide trays or conveyors, if equipped.

Park the mixer on a flat, level surface.

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

## 6.7 OPERATIONAL CHECKS

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### CAUTION

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

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

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

---



### WARNING

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

---

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

1. Follow the Start-Up procedure section 6.6.1.
2. Raise and lower the door several times.
3. Lower and raise mixer slide trays or conveyors, if equipped.
4. Operate the mixer augers and conveyors, if equipped, for approximately 5-10 minutes. If mixer is equipped with a 2-speed transmission, shift the transmission into high for the last minute of test run time.
5. Follow the Shut-Down procedure section 6.6.2.
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 8.1 LUBRICATION) & (See 8.2 ADJUSTMENTS).
9. Check the planetary oil filter gauge under the mixer. Change the filter as required.
10. Make sure the planetary oil cooler fans are running under the mixer and verify the fans are drawing air up through the radiator.

### 6.7.1 CONTROLS (IF EQUIPPED)

A remote control is provided with the mixer. There are 2 switches, one to shift the automatic transmission to “Low” (Key 1) and one to shift the automatic transmission to “High” (Key 2). The automatic transmission will only shift to “High”, once selected, if the PTO RPM is at 650RPM. The “High” speed light (Key 3) will light up indicating the automatic transmission is in “High” speed.

**Note:** The 2-speed automatic transmission will automatically shift to “Low” if the PTO RPM drops below 600RPM while in “High”.



## 6.8 TRANSPORTING



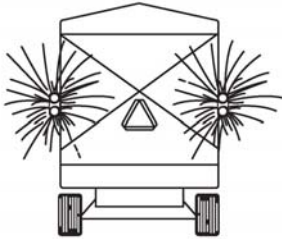
### CAUTION

#### AVOID SERIOUS INJURY OR DEATH

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



### CAUTION



#### Pull-Type Units

- You must observe all applicable traffic laws when transporting on public roadways. Check local laws for all highway lighting and marking requirements.
- Use flashing warning lights when transporting on ALL highways (public roadways) at ALL times (Tractor towed models) EXCEPT WHEN PROHIBITED BY LAW! (Check w/local law enforcement).
- By all state and federal laws, implement lights do not replace the SMV (Slow-Moving Vehicle) identification emblem. All towed agricultural vehicles must display SMV emblems when traveling LESS than 25 mph (32 kph).
- Check for traffic constantly. Be sure you can see that no one is attempting to pass you and that all traffic is sufficiently clear from you before making any turns.
- Securely attach to towing unit. Use a high strength appropriately sized hitch pin with mechanical retainer and attach safety chain.
- Do not exceed 20 mph (32 kph). Slow down for corners and rough terrain.



### WARNING



#### To Prevent Serious Injury Or Death

- Keep hands and body out of the hitch area when attaching towing vehicle.
- Keep body clear of crush point between towing vehicle and load.
- Keep hands, legs and feet from under tongue and hitch until jack is locked into place.

## **WARNING**



### To Prevent Serious Injury Or Death

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

## **IMPORTANT**

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

### 6.8.1 Safety Chain

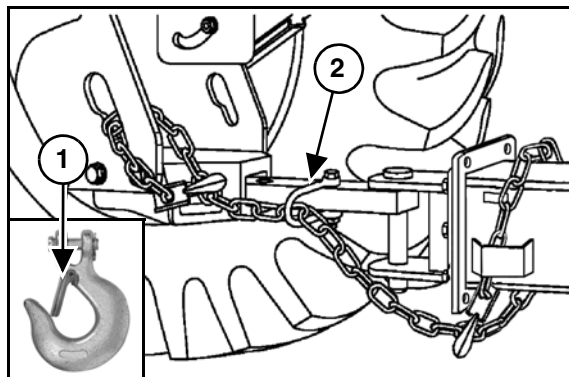
## **WARNING**

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

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

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

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



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

## **IMPORTANT**

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



### 6.8.2 Tire / Wheel Torque

- Clean adjoining surfaces.
- Re-torque wheel nuts after 50-100 miles.
- Check wheel nut torque every 10,000 miles and re-torque as necessary.

### 6.8.3 Tractor Towing Size Requirements

Use the following charts to help calculate the minimum tractor weight when towing without implement brakes. The minimum tractor weight, up to 20 mph (33 kph) needs to be 2/3's of the box Gross Weight (GW). Gross Weight is calculated by the empty weight of the box and undercarriage combined added to the Load Weight. Then take the Gross Weight and multiply it by 0.667 and you will get the Minimum Required Weight of the Tractor. A tractor with this recommended weight for your machine is normally adequate for towing the loaded machine under average conditions. Unit weight will vary depending on door and option selected.

*Gross Weight*

MIXER WEIGHT, EMPTY (LBS)		UNDERCARRIAGE WEIGHT (LBS)		LOAD (LBS)		GROSS WEIGHT (GW) (LBS)
	+		+		=	GW
	+		+		=	
	+		+		=	
	+		+		=	

*Minimum Required Weight of the Tractor*

$\frac{2}{3}$		GROSS WEIGHT (GW) (LBS)		MINIMUM TRACTOR WEIGHT (LBS)
0.667	x	GW	=	TW
	x		=	

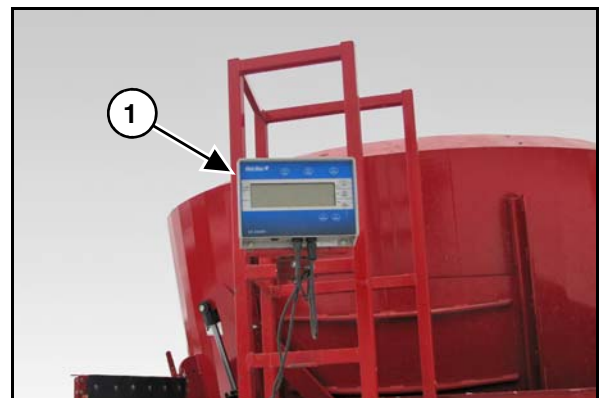
## 6.9 OPTIONAL EQUIPMENT

### Digital Scale Indicator

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

See your Digi-Star manual for additional scale information.





## 7.0 OPERATION



### CAUTION

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

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

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

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

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.

### 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.

### IMPORTANT

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

### IMPORTANT

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

### IMPORTANT

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

**NOTE:** It is not recommended leaving a mixer loaded or partially loaded overnight, or for any length of time. Silage juices, brewers by products, etc., are very corrosive and can shorten the life of metal parts.

### 7.1.1 Material



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

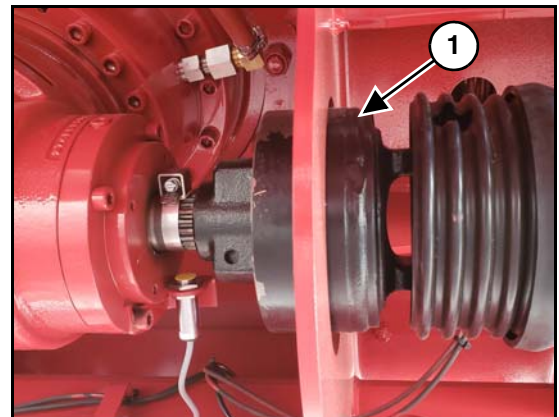
Some feed materials will need to be processed alone in the mixer before they can be efficiently mixed with other feed materials.

- 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 and crop residue bales (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.**

### 7.1.2 Cutout Clutch

The clutch (Item 1) is designed to limit the amount of torque transferred to the machine through the driveline. If excessive torque is developed the clutch will disengage. A loud ratcheting sound will be heard and the transfer of power to the machine will be disrupted. This may occur when mixing or unloading a heavy mix or if an obstruction has lodged within the mixer. This is to protect the driveline from damage. To re-engage the machine, simply shut down the PTO and allow the driveline to come to a stop. The PTO can then be re-engaged to restart the mixer. The cutout clutch will either re-engage upon shut down of the PTO or just before it comes to a complete stop.



## 7.2 LOADING



**DO NOT ENTER MIXER CHAMBER WHILE MIXER IS RUNNING!** Shut off and lock out power before attempting to clear an obstruction or to perform work inside the mixing chamber. (See 5.3 SHUTOFF & LOCKOUT POWER on page 22.)



Be aware of power lines and other overhead obstructions when loading with a telescopic arm or loader. Failure to obey warnings could cause serious injury or death.



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

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

Do not 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.



Overloading may cause failure of axles, tires, structural members, hitches, loss of vehicle control. **DO NOT** exceed maximum gross weight. (See 10.0 SPECIFICATIONS on page 109.)

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

MAXIMUM FORMULA MIXER GROSS WEIGHT	
MODEL	LBS
F2-1070	
F2-1270	
F3-1570	

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

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

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. The tractor should be straight in line with the mixer.
3. Completely close the mixer discharge door(s).
4. Set hay stops according to the instructions in this manual.
5. Enter the tractor and start the engine.
6. Engage the PTO / hydraulics.

7. Set the tractor engine to operate at approximately 3/4 of rated PTO speed.
8. Load baled hay into the center of the mixer.
9. Allow mixer enough time to process the bale before adding other ingredients (4-10 minutes).

**NOTE: 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.**

**NOTE: Using the mixer 2 - speed transmission, roughages can be processed in “Low” or “High” depending on how fast the bale needs to be processed. (If Equipped)**

### 7.2.1 Loading Steps

**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, other liquids. Always load liquids at the center of the mixing chamber.

**IMPORTANT**

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

**IMPORTANT**

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

### 7.3 MIXING

Normal mixing speed is 3/4 to full PTO speed. 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.



**DANGER**

**DO NOT ENTER MIXER CHAMBER WHILE MIXER IS RUNNING! Shut off and lock out power before attempting to clear an obstruction or to perform work inside the mixing chamber. (See 5.3 SHUTOFF & LOCKOUT POWER on page 22.)**

**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.**

**IMPORTANT**

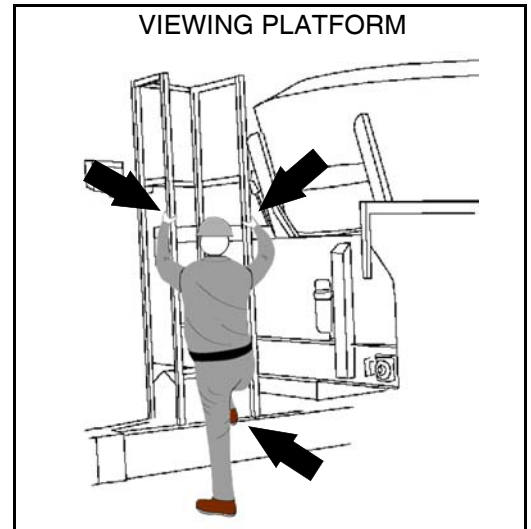
**Do not force hay into the auger with loader or any other device.**

## 7.4 PLATFORM OPERATION

Park the tractor 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.



## 7.5 UNLOADING



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



**DO NOT ENTER MIXER CHAMBER WHILE MIXER IS RUNNING!** Shut off and lock out power before attempting to clear an obstruction or to perform work inside the mixing chamber. (See 5.3 SHUTOFF & LOCKOUT POWER on page 22.)

**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 tractor, start the engine, release the parking brake.
2. Move the tractor and mixer to the unloading area.
3. Be sure that mixer is parked on a level surface.
4. The tractor should be straight in line with the mixer.
5. Shift hydraulic sliding base discharge into working position, or lower slide tray / incline extension / chain and slat. (If Equipped)
6. Engage the PTO.
7. Set the tractor engine to operate at approximately 1/2 of rated PTO speed.
8. Open discharge door slowly to adjust the amount of material to be discharged. Adjust door height or conveyor speed for desired flow of feed.
9. After the load begins to discharge, increase the tractor RPM to full rated PTO speed to ensure fast and thorough clean out while driving forward along the discharge path.
10. The 2-speed automatic transmission can be shifted into "High" during the unloading process. See section 6.7.1 CONTROLS (IF EQUIPPED) for more details. This will help remove any feed remaining on the augers and assist in keeping an even feed flow until the mixer is empty. (If Equipped)
11. When finished unloading, reduce engine speed to idle and disengage the PTO / hydraulics.

**NOTE: The 2-speed automatic transmission will automatically shift to “Low” while you reduce the engine speed to idle. (If Equipped).**

12. Move the mixer forward, away from the unloaded material.
13. Close the discharge door.
14. Shift hydraulic sliding base discharge into storage position, or raise slide tray / incline extension / chain and slat. (If Equipped)
15. Park the mixer on a flat, level surface.
16. Engage the parking brake, stop the engine and exit the tractor.
17. Disconnect the driveline.

## **7.6 UNHOOKING THE TRACTOR**



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

1. Park the implement on level ground. Put the tractor controls in neutral, set the parking brake, and turn the engine off before dismounting.
2. Place wheel chocks in front and in back of the implement wheels on opposite sides to prevent the implement from rolling after the tractor is unhooked.
3. Remove the hydraulic hose ends from the tractor hydraulic ports and secure the hose ends in the key slot holes on the front of the mixer to keep them clean.
4. Remove the light cords and any optional equipment connections.
5. Remove the jack from the storage mount and reinstall the jack to the mount. Crank the jack down until the hitch lifts off the tractor draw bar.
6. Remove the hitch pin.
7. Unhook safety chain from tractor drawbar and intermediate support.
8. Slowly drive the tractor away from the implement.



## 7.7 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.

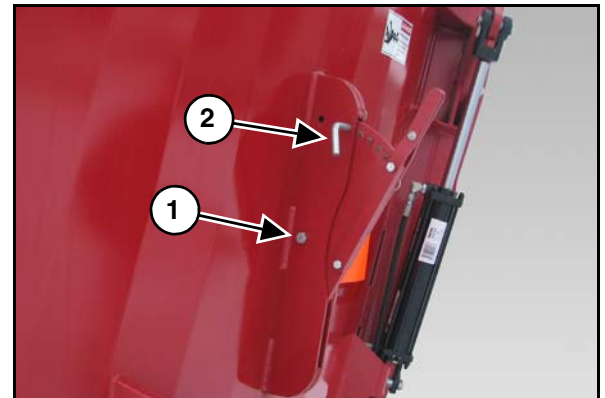


**CAUTION**

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.



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

**Hay Stop  
Position A**



**Hay Stop  
Position B**



**Hay Stop  
Position C**



**Hay Stop  
Position D**



**Hay Stop  
Position E**



## 7.8 MIXER TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE SOLUTIONS
Forage is cut too short	<ul style="list-style-type: none"> <li>• Reduce the initial processing time.</li> <li>• Adjust hay stops to a less aggressive or neutral position.</li> <li>• Reduce total loading time.</li> <li>• Reduce the mixer RPM to limit aggressiveness in processing.</li> <li>• Modify the knife type, quantity, setting or placement.</li> <li>• If the machine is equipped with a 2-speed automatic transmission, shift into "Low".</li> </ul>
Spillage is Occurring	<ul style="list-style-type: none"> <li>• Reduce load size.</li> <li>• Reduce tractor and/or mixer RPM.</li> <li>• Make sure machine is level.</li> <li>• The load size may need to be reduced until the unit is polished inside.</li> <li>• Adjust hay stops to a less aggressive or neutral position.</li> <li>• Adjust knives to a less aggressive position.</li> <li>• If spillage still occurs, the optional side extensions or hay retention ring may need to be installed.</li> </ul>
Requiring High Horsepower	<ul style="list-style-type: none"> <li>• Reduce load size.</li> <li>• Adjust hay stops to a less aggressive or neutral position.</li> <li>• The load size may need to be reduced until the unit is polished inside.</li> <li>• Modify the knife type, quantity, setting, or placement.</li> <li>• If the machine is equipped with a 2-speed automatic transmission, shift into "Low".</li> </ul>
Dead Spots	<ul style="list-style-type: none"> <li>• The load size may need to be reduced until the unit is polished inside.</li> <li>• The auger scraper may need to be adjusted. (See the Adjustments Section.)</li> </ul>
Digital Scale Indicator	<ul style="list-style-type: none"> <li>• Refer to scale manufacturer's operator manual for operation and maintenance.</li> <li>• Some scale drift may occur after the scale is turned on but should level out within 10 to 15 minutes.</li> <li>• Temperature changes may also cause some drifting.</li> </ul>
Planetary Reservoir is Overflowing	<ul style="list-style-type: none"> <li>• Check oil level when cold.</li> <li>• Clean the reservoir breather cap.</li> <li>• Make sure hoses are not kinked or clogged.</li> <li>• Change oil.</li> </ul>



## 8.0 MAINTENANCE

### 8.1 LUBRICATION



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

### IMPORTANT

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

**NOTE:** 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.

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

**NOTE:** Over lubrication is a major cause of bearing failures. Please relubricate conservatively when unsure of bearing requirements.

#### 8.1.1 Lubrication Schedule

##### 8.1.1.1 Daily:

**NOTE:** See Specifications, Page 47 & 48 for proper oil type and capacities.

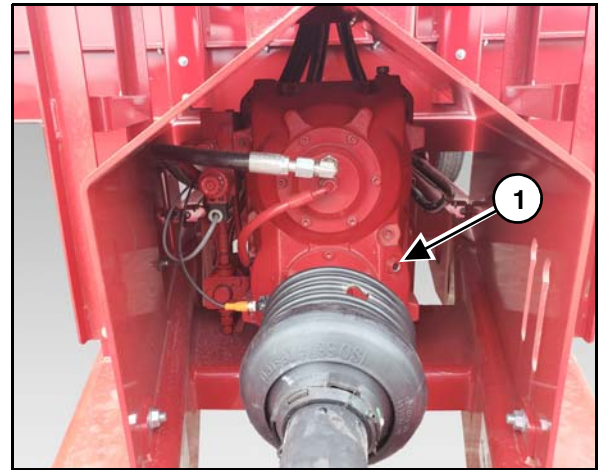
Check each planetary gearbox oil level daily to prevent abnormal component wear. Add new oil to the reservoir tank (See section 8.1.2.1 Planetary Gearbox) if the oil level is not at the oil reservoir mark (Item 1).

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



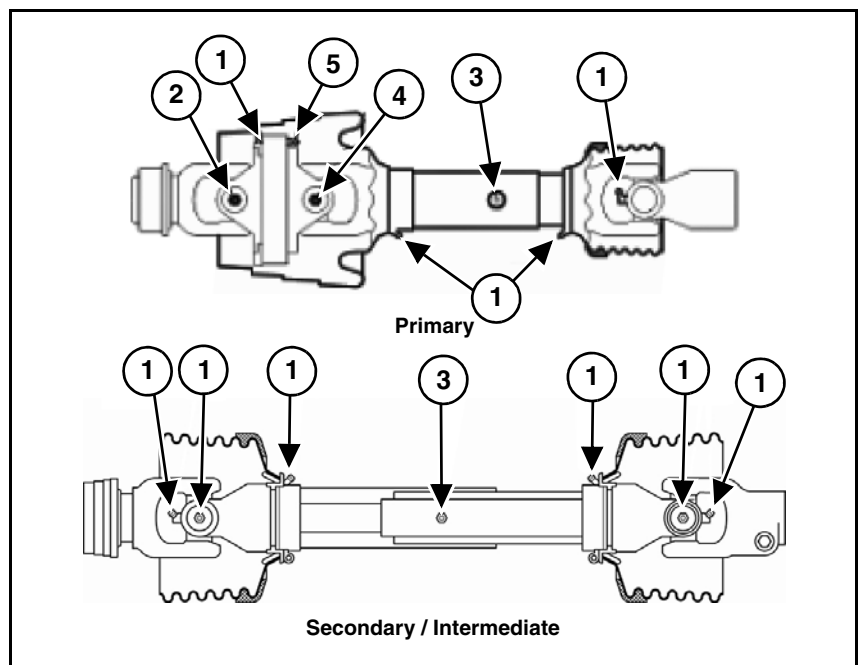
Check the 2-speed automatic transmission oil level daily to prevent abnormal component wear. Add new oil to the transmission (See section 8.1.2.2 2-Speed Automatic Transmission (If Equipped) if the oil level is not at the sight glass (Item 1). (If Equipped)

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



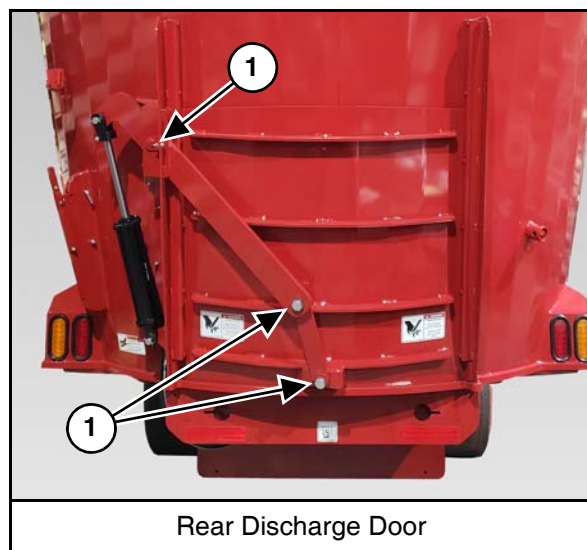
#### 8.1.1.2 Every 8 Hours:

- 1 Grease PTO locations every 8 hours.
- 2 Lubricate the outer CV cross kit with about 5 pumps of grease every 8 hours.
- 3 Grease telescoping members until it adequately covers the sliding members every 8 hours. Take apart occasionally to make sure adequate lubrication is being added. Take apart each season to be cleaned with solvent and re-coated with grease before re-assembling.
- 4 Lubricate the inner CV cross kit with about 15 pumps of grease every 8 hours.
- 5 Lubricate the double yoke with about 10 pumps of grease every 8 hours.



### 8.1.1.3 Every 40 Hours:

Oil Door Pivots (Item 1).



### 8.1.1.4 First 50 Hours:

Change planetary oil and filters. (See section 8.1.2.1 Planetary Gearbox).



8.1.1.5 500 Hours:

Grease all planetary bearings with 1 pump of grease (Item 1). Be careful not to over grease.

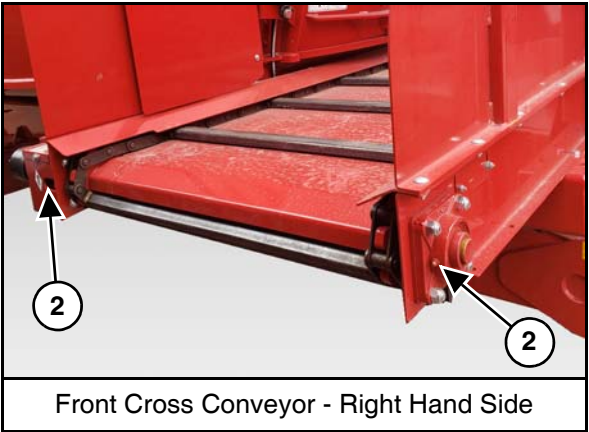


Optional Equipment Maintenance (If Equipped)

Grease the four (4) front cross conveyor bearings (Item 2) with 1 pump of grease. Be careful not to over grease.



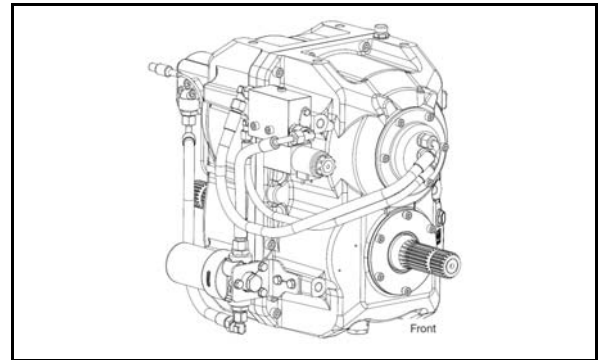
Front Cross Conveyor - Left Hand Side



Front Cross Conveyor - Right Hand Side

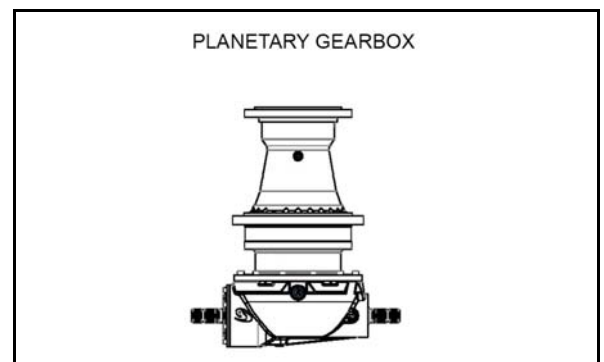
#### 8.1.1.6 Annually or Every 1000 Hours (Whichever is First):

Change the 2-speed automatic transmission oil and filter. (See section 8.1.2.2 2-Speed Automatic Transmission (If Equipped)).



#### 8.1.1.7 Annually or Every 2000 hours (Whichever is First):

Change planetary oil and filters. (See section 8.1.2.1 Planetary Gearbox).



#### 8.1.2 Planetary Gearbox/Transmission Oil & Filter Change



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

**IMPORTANT**

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

#### NOTE:

- 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.



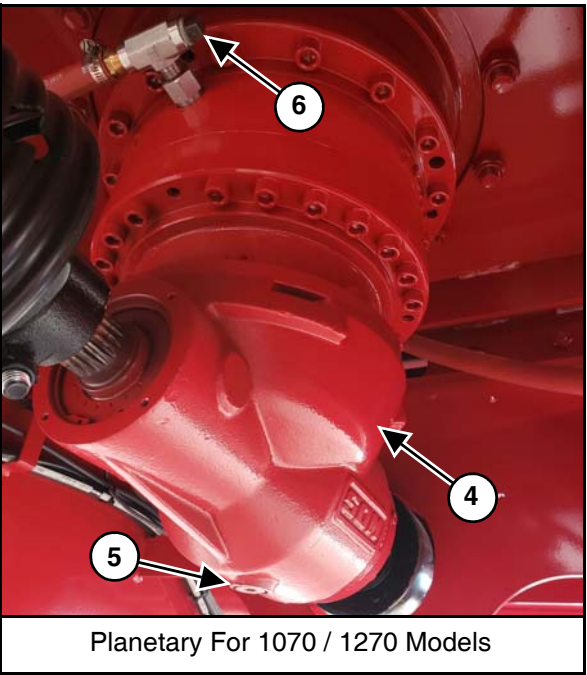
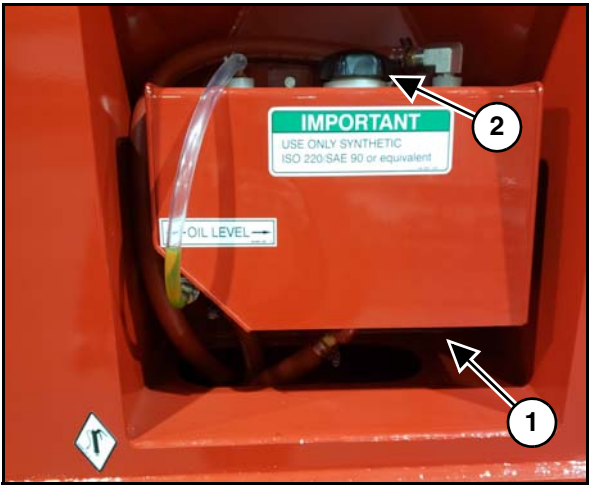
8.1.2.1 Planetary Gearbox

Draining

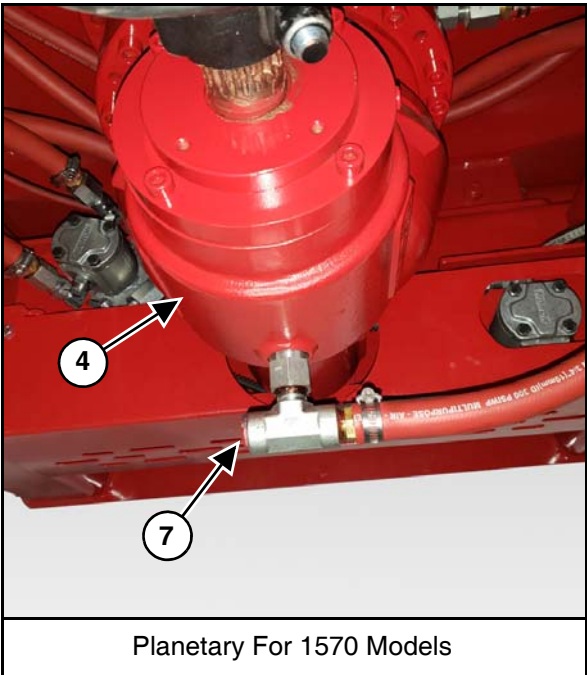
**All Models:** Place a container of sufficient capacity under the gearbox (Item 4). Remove the planetary reservoir (Item 2) cap (Item 2).

**1070 / 1270 Models:** Drain the planetary by removing the drain plug (Item 5). After the unit is completely drained, reinstall the drain plug.

**1570 Models:** Drain the planetary by removing the plug from the T-fitting (Item 7).



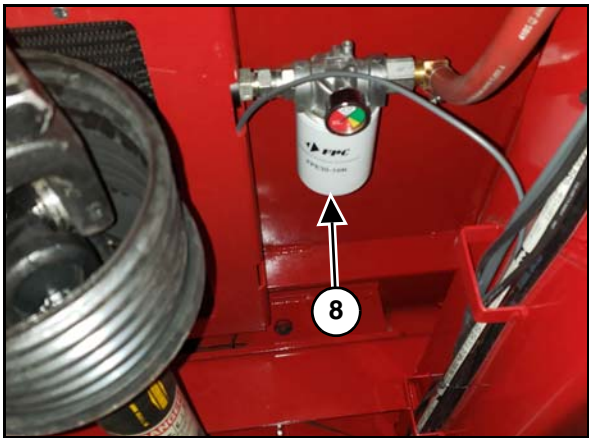
Planetary For 1070 / 1270 Models



Planetary For 1570 Models

Filter Replacement

Remove old filter (Item 8). Lubricate new filter O-ring with clean oil. Install the new oil filter.



## Filling

*Filling with an oil pump:*

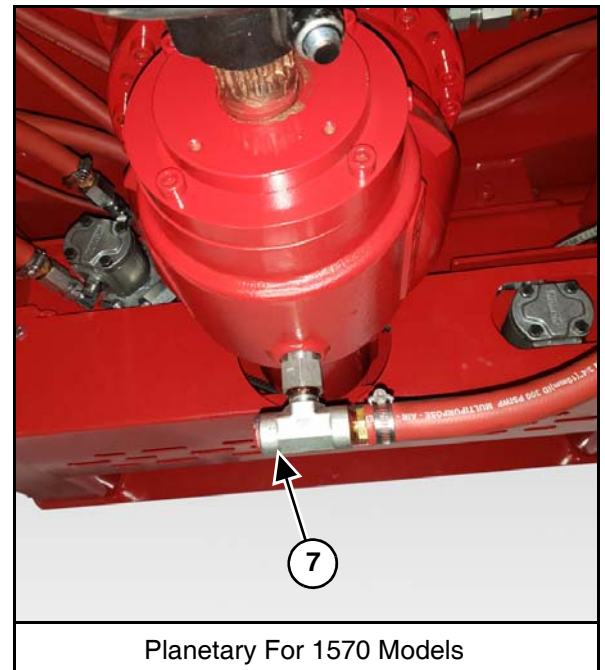
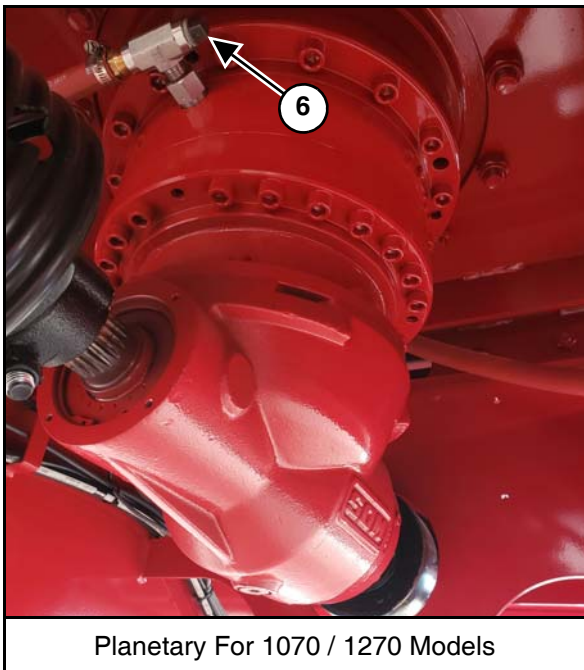
(Call the factory to purchase an oil pump kit, Part #: VA-OP.)

**1070 / 1270 Models:** Remove the T-fitting plug (Item 6) and attach the oil pump.

**1570 Models:** Attach the oil pump to the T-fitting (Item 7).

**All Models:** Fill with oil until the reservoir fills to the oil level indicator (Item 3). Reinstall the reservoir cap. Quickly remove the oil pump from the T-fitting and reinstall the plug. Run the mixer with no load for a few minutes. Check the reservoir oil level and add if necessary.

Inspect for leaks.



PLANETARY LUBRICATION SPECIFICATIONS				
Model	Planetary Part Number	Description	Oil Type	Capacity (Including Radiator & Filter)
1070/1270/1570	119-30-29.4-1	3003 Planetary 29.4:1	Synthetic ISO 220/SAE 90 Or Equivalent	Approx. 32 Quarts Per Planetary



8.1.2.2 2-Speed Automatic Transmission (If Equipped)

Draining

Be sure the mixer is positioned on level ground/surface.

Place a container of sufficient capacity under the transmission.

Drain the unit by removing the plug from the bottom of the transmission.

After the unit is completely drained, reinstall the plug.

Filter Replacement

Remove filter housing (Item 1).

Remove old filter.

Lubricate the O-ring with clean oil.

Apply aluminum paste or another suitable lubricant to the threads of the filter head and bowl.

Place the new filter element carefully onto the element spigot.

Screw the filter bowl on fully and then unscrew by a quarter of a turn.

Filling

Remove breather/filler plug (Item 2).

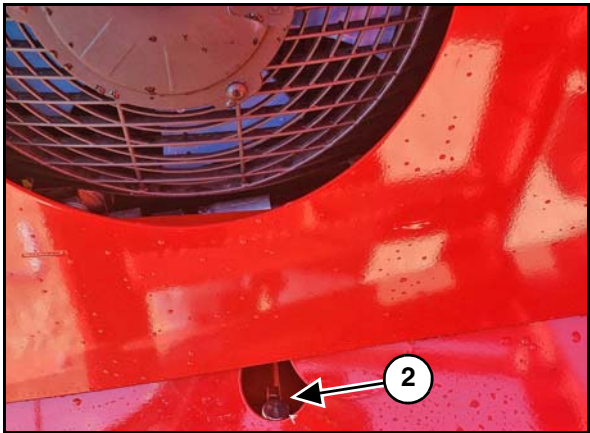
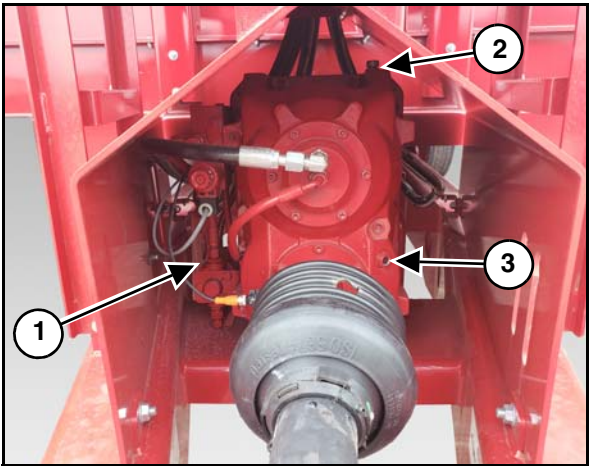
Fill transmission until the level has reached the sight glass (Item 3).

See tables for oil type and approximate capacities.

Replace the filler plug.

Run the transmission with no load for a few minutes, switching from low to high gear several times.

Check the oil level and add if necessary.



**IMPORTANT**

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

NOTE: See AUTOMATIC TRANSMISSION FLUID (ATF) OIL on page 49.

Inspect for leaks.

2-SPEED AUTOMATIC TRANSMISSION LUBRICATION SPECIFICATIONS				
Model	Transmission Part Number	Description	Oil Type	Capacity (Including Radiator & Filter)
1070/1270/1570	119-2SP-1.0-1.8-1	1.05:1 / 1.83:1	See Approved Fluid Table	Approx. 6.2 Quarts Without Cooler Drained Approx. 8.2 Quarts With Cooler Drained

AUTOMATIC TRANSMISSION FLUID (ATF) OIL						REVISION: 00 LATEST UPDATE: 07-2017	
SUPPLIER:	PRODUCT NAME:	VISCOSITY @40°C:	VISCOSITY @100°C:	VISCOSITY INDEX:	POUR POINT:	STATUS	
						RECOMMENDED	APPROVED
AGCO	AGCO POWER FLUID 411 ATF SAE 5W-20	35	7.2	174	-48°C		X
CASTROL	CASTROL TRANSMAX DEX III MULTI-VEHICLE	35	7.2	175	-46°C	X	X
CASTROL	CASTROL TRANSMAX Z	38	7.2	170	-66°C		X
CHEVRON	TEXACO TEXAMATIC 7045E	34	7.4	194	-51°C		X
EXXONMOBIL	MOBIL MULTI-VEHICLE ATF	34	7.4	193	-54°C		X
EXXONMOBIL	MOBIL DELVAC SYNTHETIC ATF	39	7.3	168	-54°C		X
KUWAIT PETROLEUM	Q8 AUTO 15	36	8.0	200	-48°C		X
PETRONAS	TUTELLA TRANSMISSION G/E	37	7.6	180	-48°C		X
SHELL	SHELL SPIRAX S4 ATF HDX	33	7.2	189	-48°C		X
SHELL	SHELL SPIRAX S6 ATF VM	34	7.4	185	-48°C		X
TOTAL	TOTAL FLUIDE XLD FE	34	7.1	181	-51°C		X
TOTAL	TOTAL FLUIDE G3	33	7.1	N/A	-45°C		X
TOTAL	TOTAL ELFMATIC G3	33	7.1	N/A	-45°C		X
TOTAL	TOTAL FLUIDE AT42	34	7.7	207	-51°C		X
VALVOLINE	HEAVY DUTY ATF PRO	36	7.2	172	-50°C		X
ATF-OIL WITH THE DEFINED SPECIFICATIONS		<38	>7.0	>170	<-45°C		X

## 8.2 ADJUSTMENTS



**CAUTION**

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



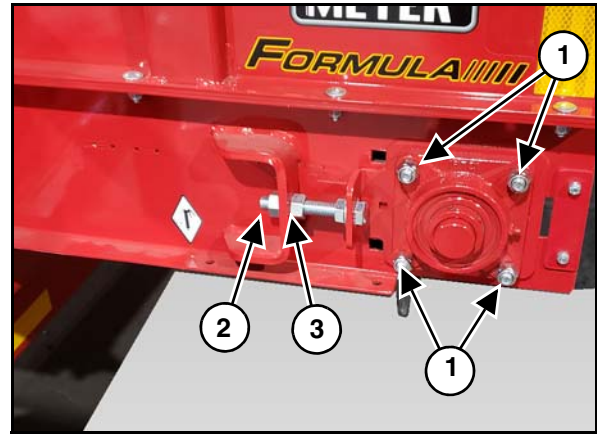
**CAUTION**

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.

### 8.2.1 Front Discharge Conveyor - Chain

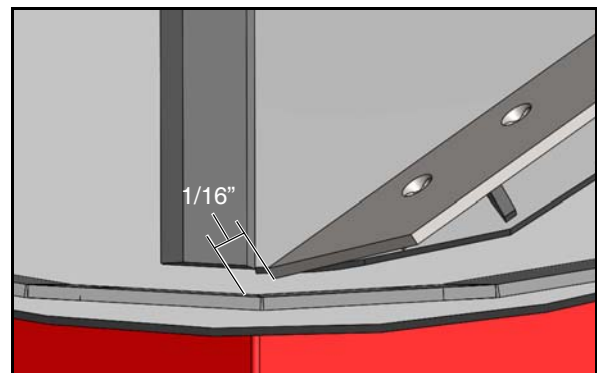
To adjust tension of the chain, first loosen the 8 bearing nuts (Item 1) holding the bearings to the conveyor frame. Then loosen the inner nut (Item 2) and either tighten or loosen the outer nut (Item 3) as needed. Count the number of turns you are adjusting so you can adjust the other end.

Once you have proper tension, retighten the inner nut (Item 2) and the bearing nuts (Item 1) on both sides.



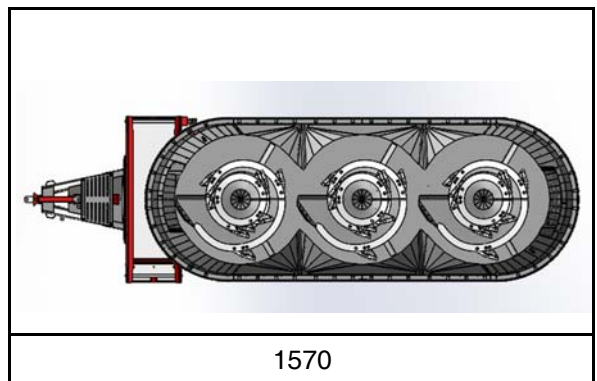
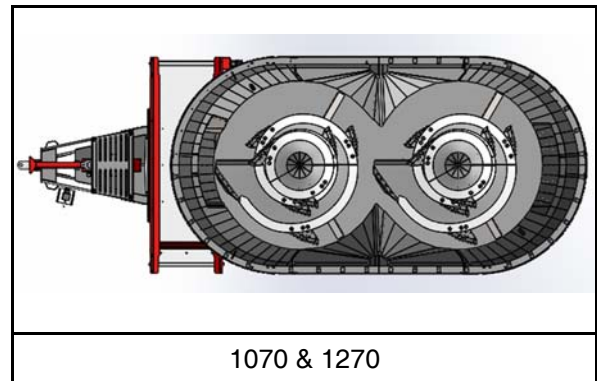
### 8.2.2 Auger Scraper Plate

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.



### 8.2.3 Auger Timing

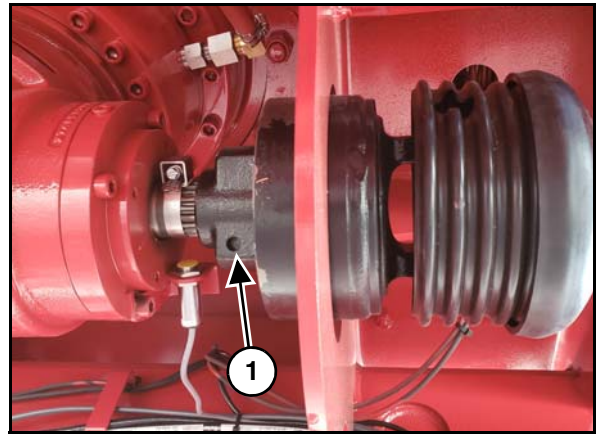
Whenever disconnecting the PTO connecting the two or three planetaries, it is critical that all the auger lead edges be facing the front of the mixer as shown.



## 8.2.4 PTO Cutout Clutch Connection

The cutout clutch end of the PTO driveline must always be attached to the front planetary. Remove the M17-hexagon bolt from the splined hub and slide the PTO off of the planetary splined input shaft, collapsing the PTO. Install the hexagon bolt (Item 1) through the hub being sure the bolt is falling into the groove on the splined shaft. Torque tight using a metric size M17 6-point socket and torque down to 75 ft. lbs. A M17 6-POINT METRIC SOCKET MUST BE USED AS ROUNDING OF HEXAGON BOLT AND INACCURACY OF TORQUE SETTINGS COULD OCCUR.

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



## 8.2.5 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.**

### 8.2.5.1 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.

### 8.2.5.2 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.

### 8.2.5.3 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.

### 8.2.5.4 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.

#### **8.2.5.5 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.

### **8.3 STORING THE MIXER**

LOCKOUT / TAGOUT the machine / mixer. (See 5.3 SHUTOFF & LOCKOUT POWER on page 22.)

#### **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 7.5 UNLOADING on page 37.)
- Thoroughly clean the mixer inside and outside.
- Remove all material build-up.
- Lubricate the equipment. (See 8.1 LUBRICATION on page 41.)
- Inspect all mixer components for wear or damage. Repair and replace components as necessary.
- Make appropriate adjustments to equipment. (See 8.2 ADJUSTMENTS on page 49.)
- Place hydraulic hoses and 7-pin connector in the storage brackets (if equipped).
- Inspect the hitch and all welds on the equipment for wear and damage.
- Check for loose hardware, missing guards, or damaged parts.
- Check for damaged or missing safety signs (decals). Replace if necessary.
- Touch up all paint nicks and scratches to prevent rusting.
- Place the equipment in a dry protected shelter.
- Place the equipment flat on the ground.

### **8.4 RETURNING THE MIXER 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.
- Check tire pressure and that the lug nuts are tight.
- Connect to a tractor and operate equipment; verify all functions operate correctly.
- Check for leaks. Repair as needed.





## 9.0 PARTS REPAIR AND REPLACEMENT

### 9.1 REPLACEMENT PARTS



#### WARNING

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



#### CAUTION

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

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

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



#### WARNING

##### Crushing Hazard

Do Not work under suspended or blocked parts.



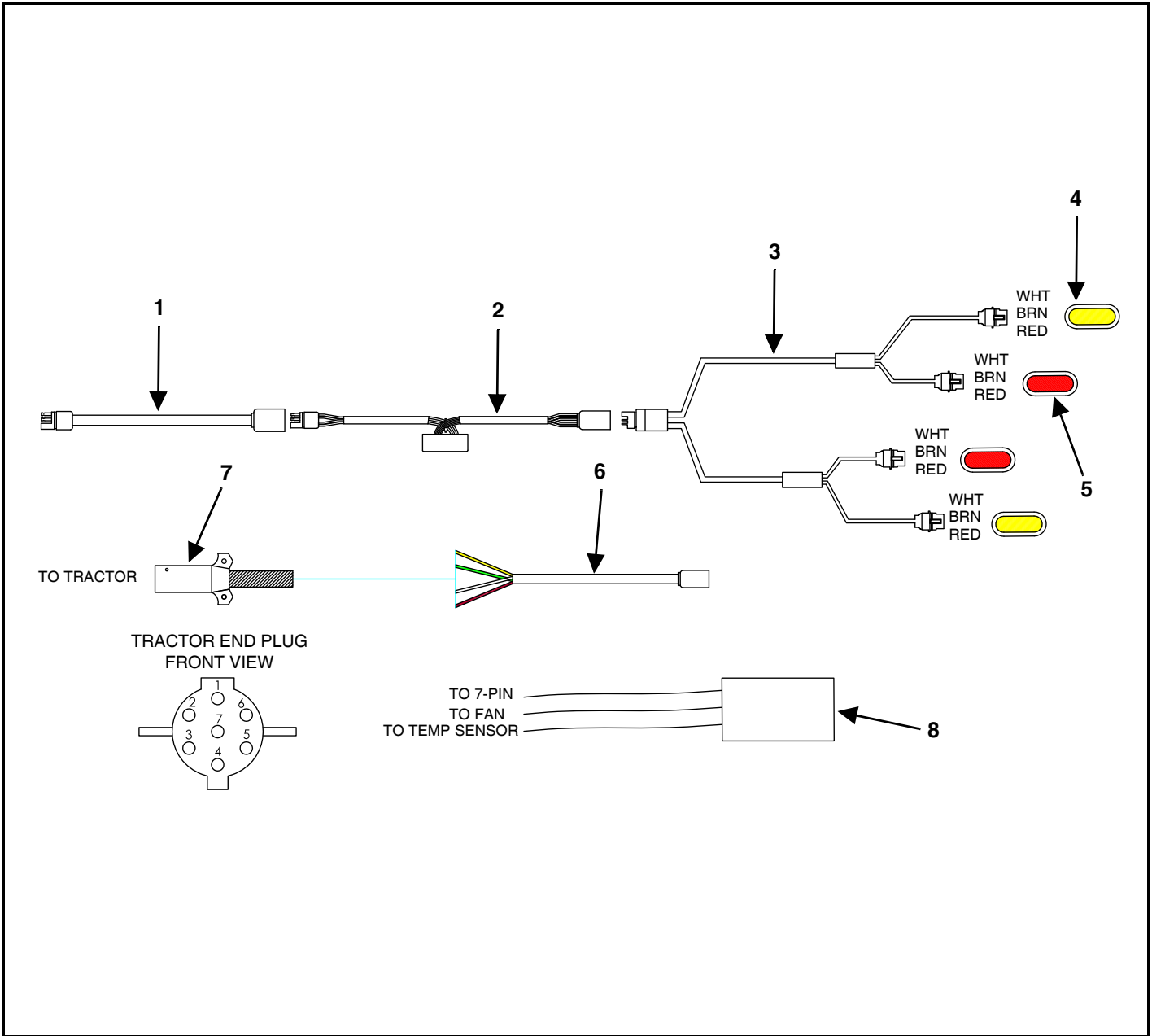
- The use of hoists and/or supports may be needed to handle heavy components.
- If the implement is being repaired in the field, make sure the parking brake of the tractor is engaged, the implement is on solid and level ground.
- Welding and torching should be done by properly trained individuals who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

#### IMPORTANT

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

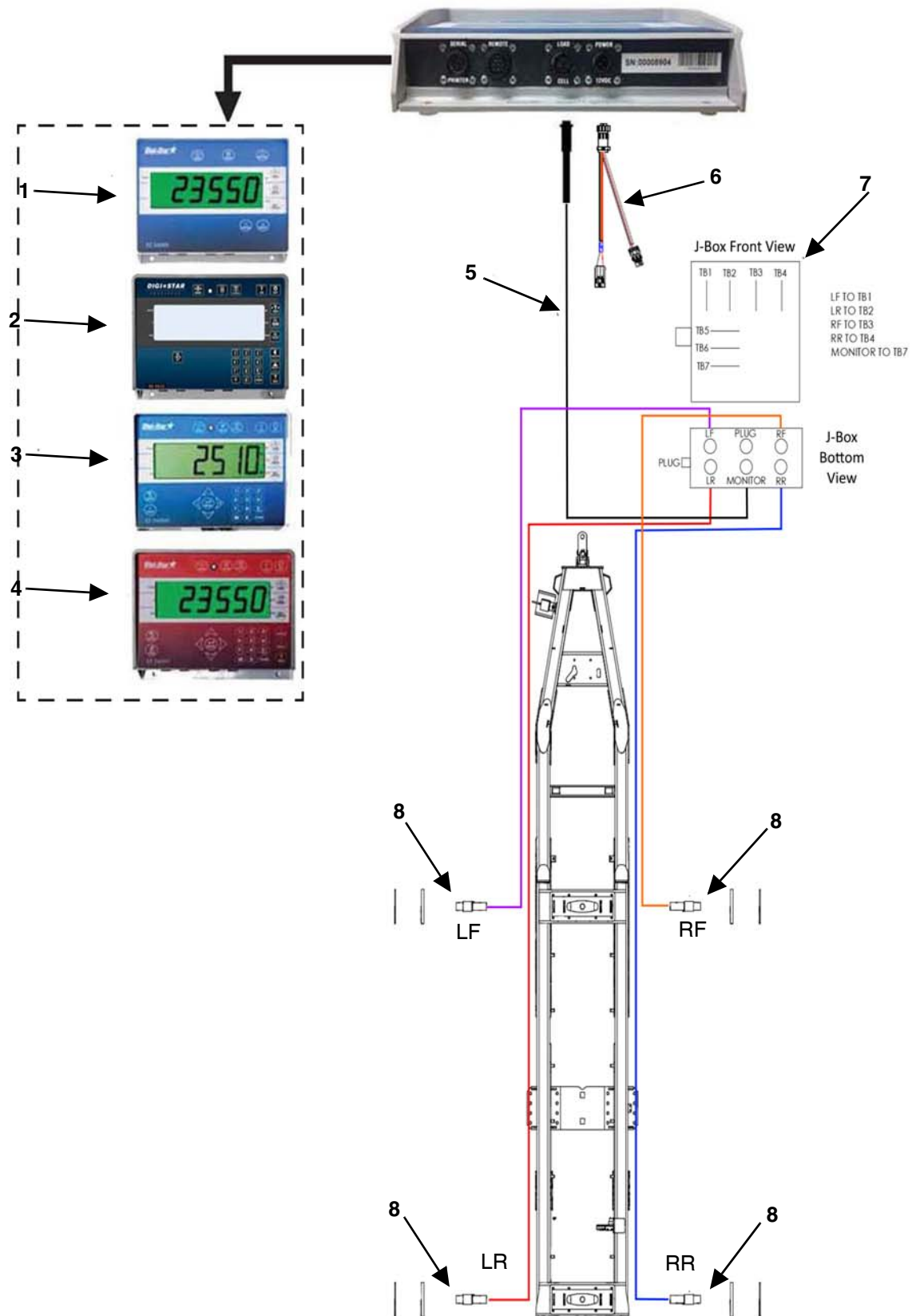
**NOTE:** Be environmentally friendly and dispose of any waste materials properly. Recycle when appropriate.

# LIGHTS



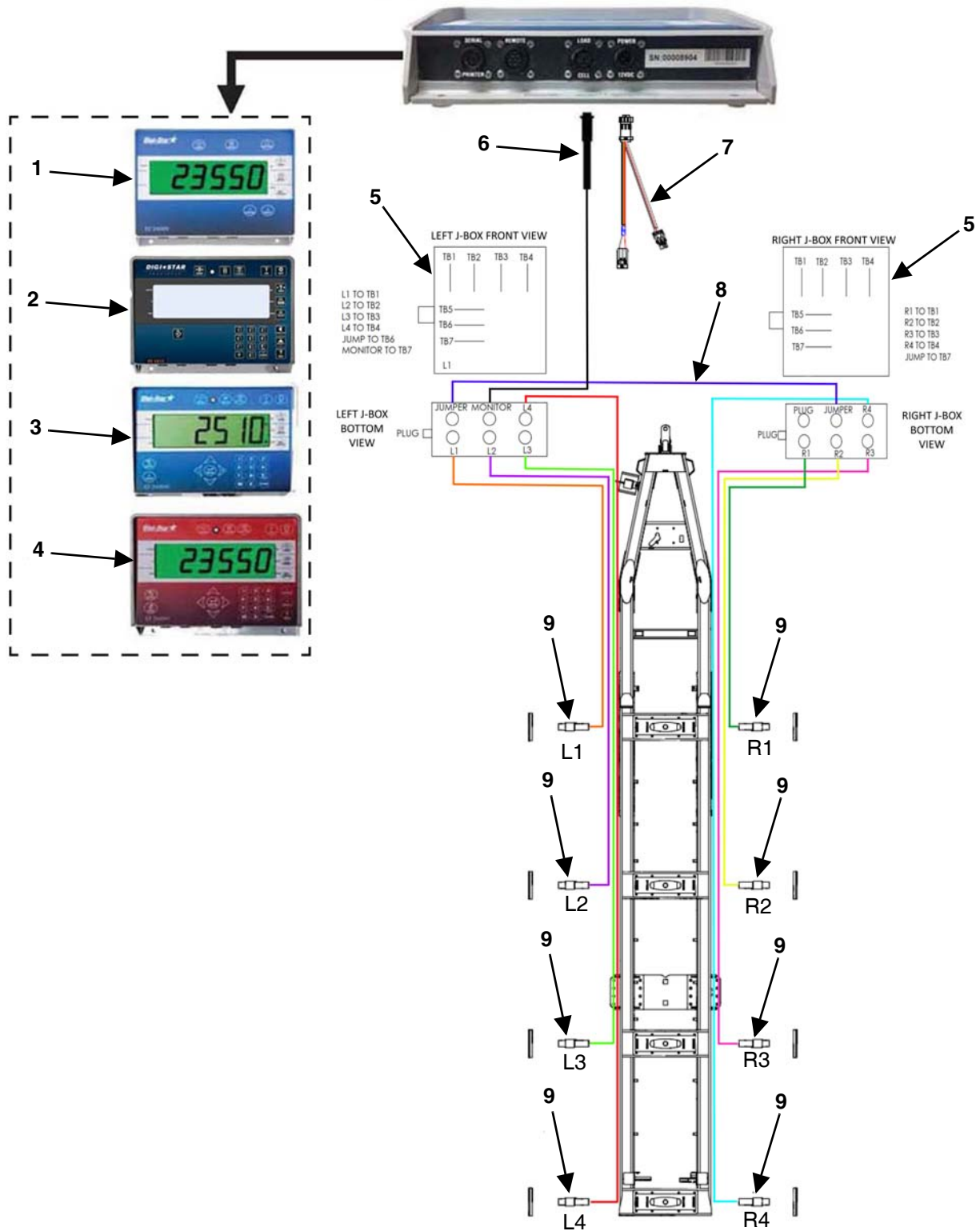
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	56-0307	1	198" Power Extension Harness	1070/1270
	56-0296	1	270" Power Extension Harness	1570
2	56-0284	1	AG Module Flasher	1070/1270/1570
3	56-0310	1	Rear Harness	1070/1270/1570
4	56-0081-AMP	2	6-1/2" 7-Diode Amber LED Oval Lamp	1070/1270/1570
	56-0082	2	6-1/2" Oval Grommet	1070/1270/1570
5	56-0115-AMP	2	6-1/2" 7-Diode Red LED Oval Lamp	1070/1270/1570
	56-0082	2	6-1/2" Oval Grommet	1070/1270/1570
6	56-0306	1	191" Front Power With Wire Ends	1070/1270/1570
7	56-0005-4	1	Male 7-Way Plug With Spring	1070/1270/1570
8	155-OC-TT07-1-1	1	Temperature Control Kit 12V DC	1070/1270/1570

# 1070 & 1270 SCALE SYSTEM LAYOUT



KEY	PART NUMBER	QTY	DESCRIPTION
1	58-0002-407120	1	EZ2500V Scale Indicator Monitor With Serial Port
	58-0002-407094	1	EZ2500V Scale Indicator Monitor
	58-0002-404516	1	EZ2400V Scale Indicator Monitor
2	58-0002-281023	1	EZ2810 Scale Indicator Monitor
3	58-0002-408944	1	EZ3400V Scale Indicator Monitor
4	58-0002-406552	1	EZ3600V Scale Indicator Monitor
5	58-0029	2	Junction Box To Monitor Cable 30'
6	See Page 62, 63, 64 & 66	1	Monitor Y-Harness
7	58-0020	1	6 Point Mobil J-Box
	58-0008	1	6 Point Mobil J-Box With Monitor Cable
8	58-0034-WT	4	2.875" x 14" Load Cell

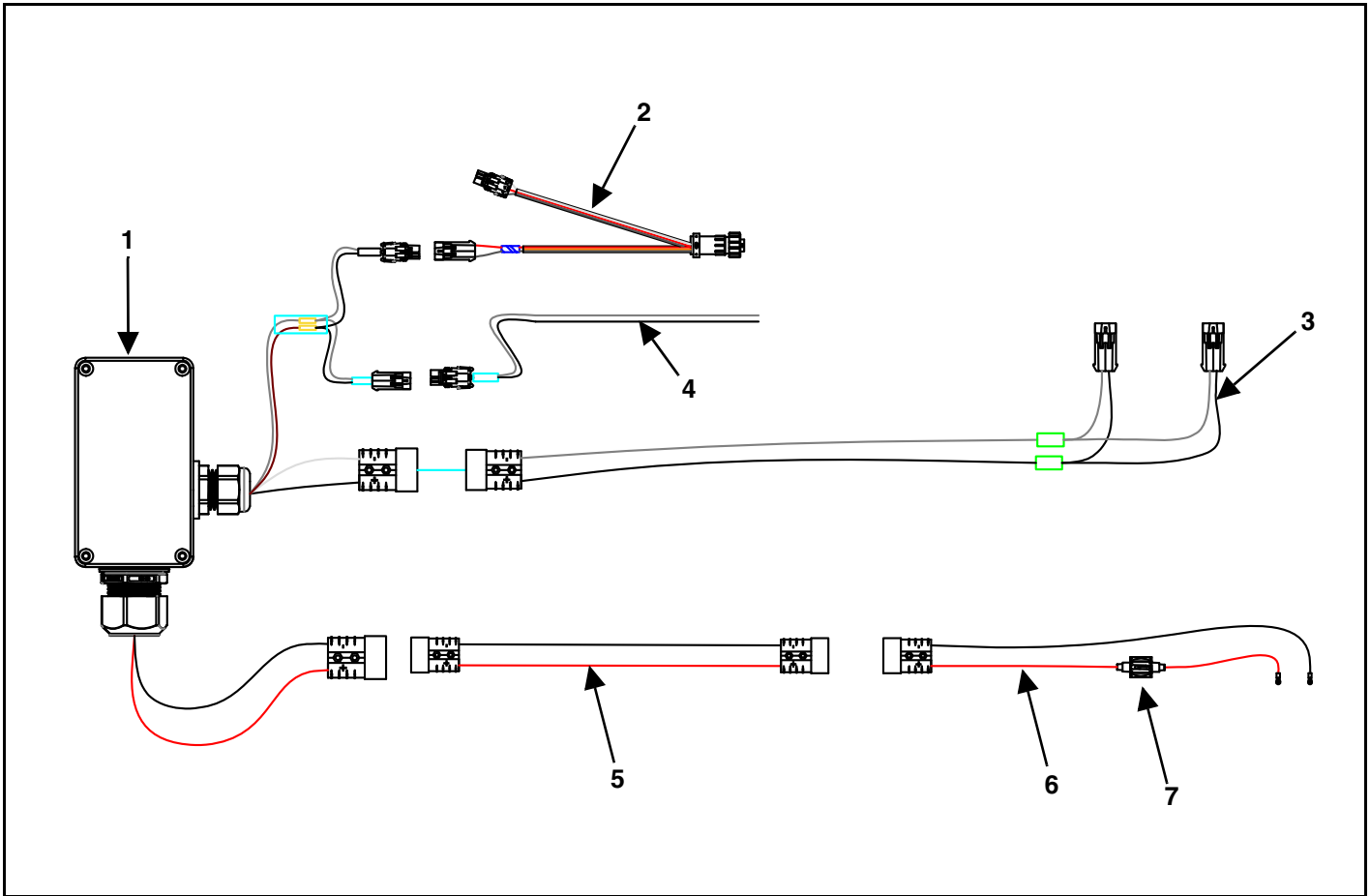
# 1570 SCALE SYSTEM LAYOUT



KEY	PART NUMBER	QTY	DESCRIPTION
1	58-0002-407120	1	EZ2500V Scale Indicator Monitor With Serial Port
	58-0002-407094	1	EZ2500V Scale Indicator Monitor
	58-0002-404516	1	EZ2400V Scale Indicator Monitor
2	58-0002-281023	1	EZ2810 Scale Indicator Monitor
3	58-0002-408944	1	EZ3400V Scale Indicator Monitor
4	58-0002-406552	1	EZ3600V Scale Indicator Monitor
5	58-0020	2	6 Point Mobil J-Box
	58-0008	1	6 Point Mobil J-Box With Monitor Cable
6	58-0029	1	Junction Box To Monitor Cable 30'
7	See Page 64 & 66	1	Monitor Y-Harness
8	58-0028	1	Junction Box To Junction Box Jumper Cable 30'
9	58-0034-WT	8	2.875" x 14" Load Cell

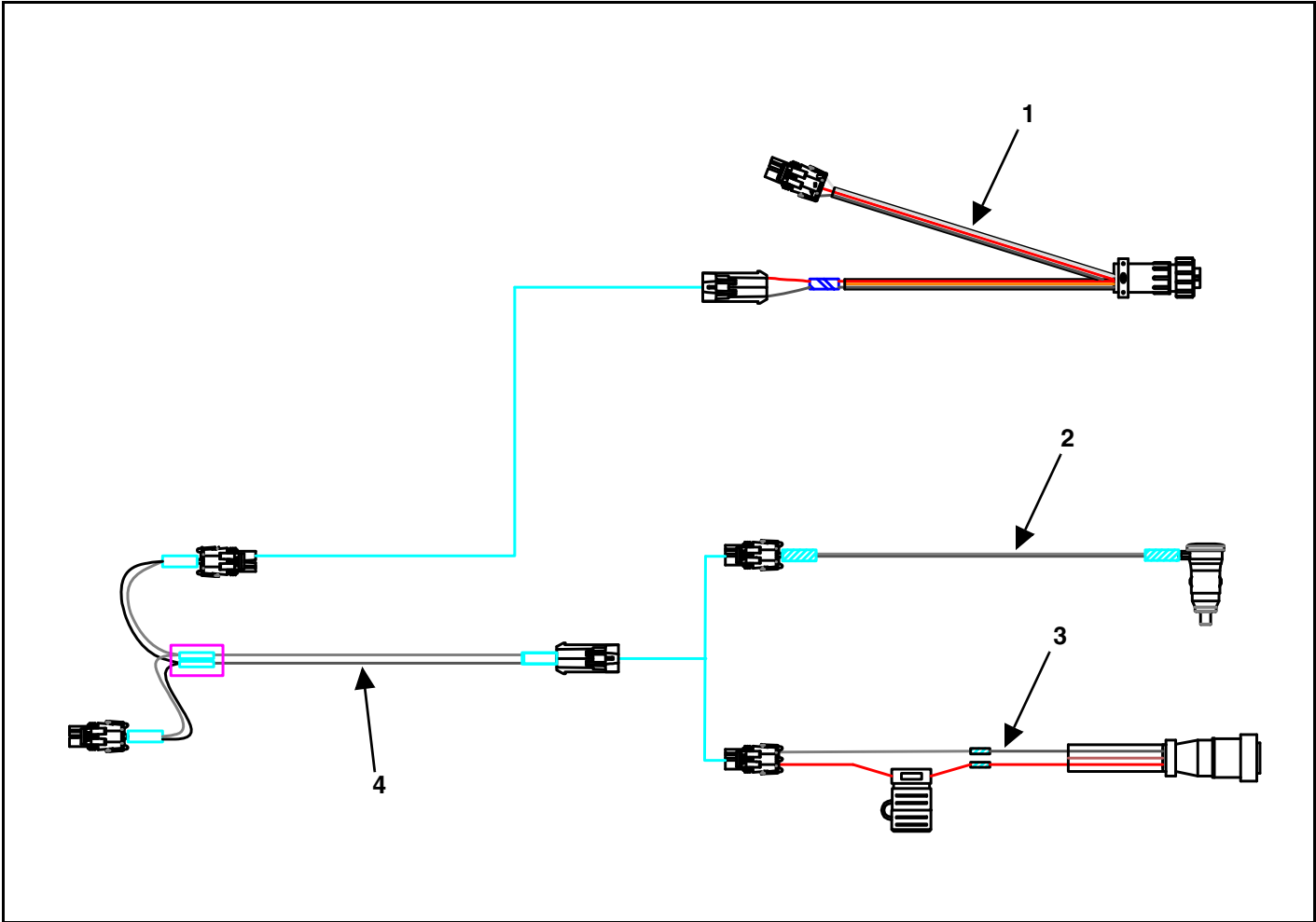


## DIRECT DRIVE ELECTRICAL CONTROL HARNESS WITH COOLERS



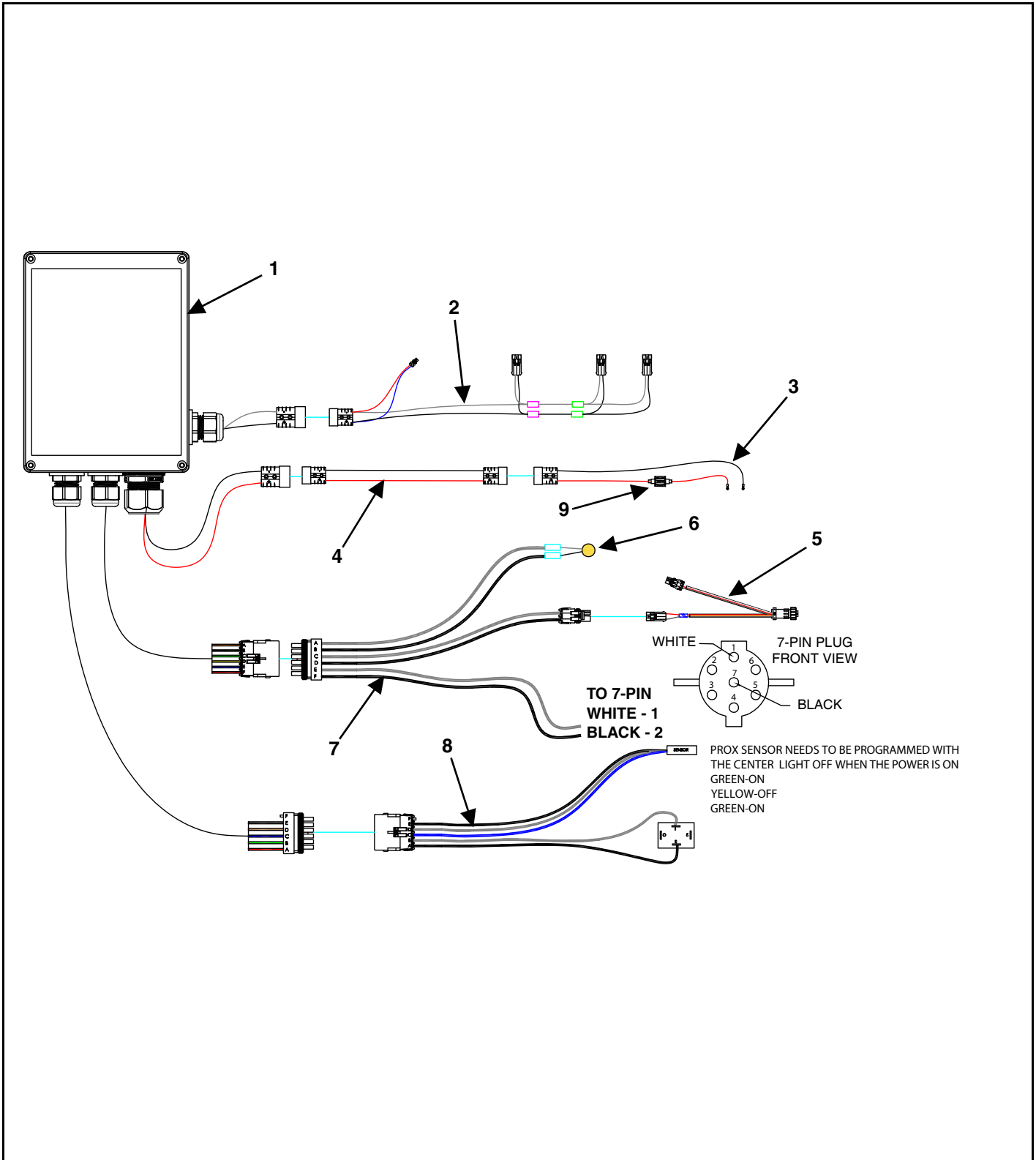
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	56-0384	1	Direct Drive Cooling Junction Box Assembly	1070/1270
2	56-0381	1	Monitor Y-Harness	1070/1270
3	56-0388	1	Direct Drive Fan Harness Assembly	1070/1270
4	56-0387	1	7-Pin Harness	1070/1270
5	56-0382	1	Battery Extension Harness Assembly	1070/1270
6	56-0378	1	Battery Harness Assembly	1070/1270
7	56-0167	1	Circuit Breaker	1070/1270

DIRECT DRIVE ELECTRICAL CONTROL HARNESS WITHOUT COOLERS



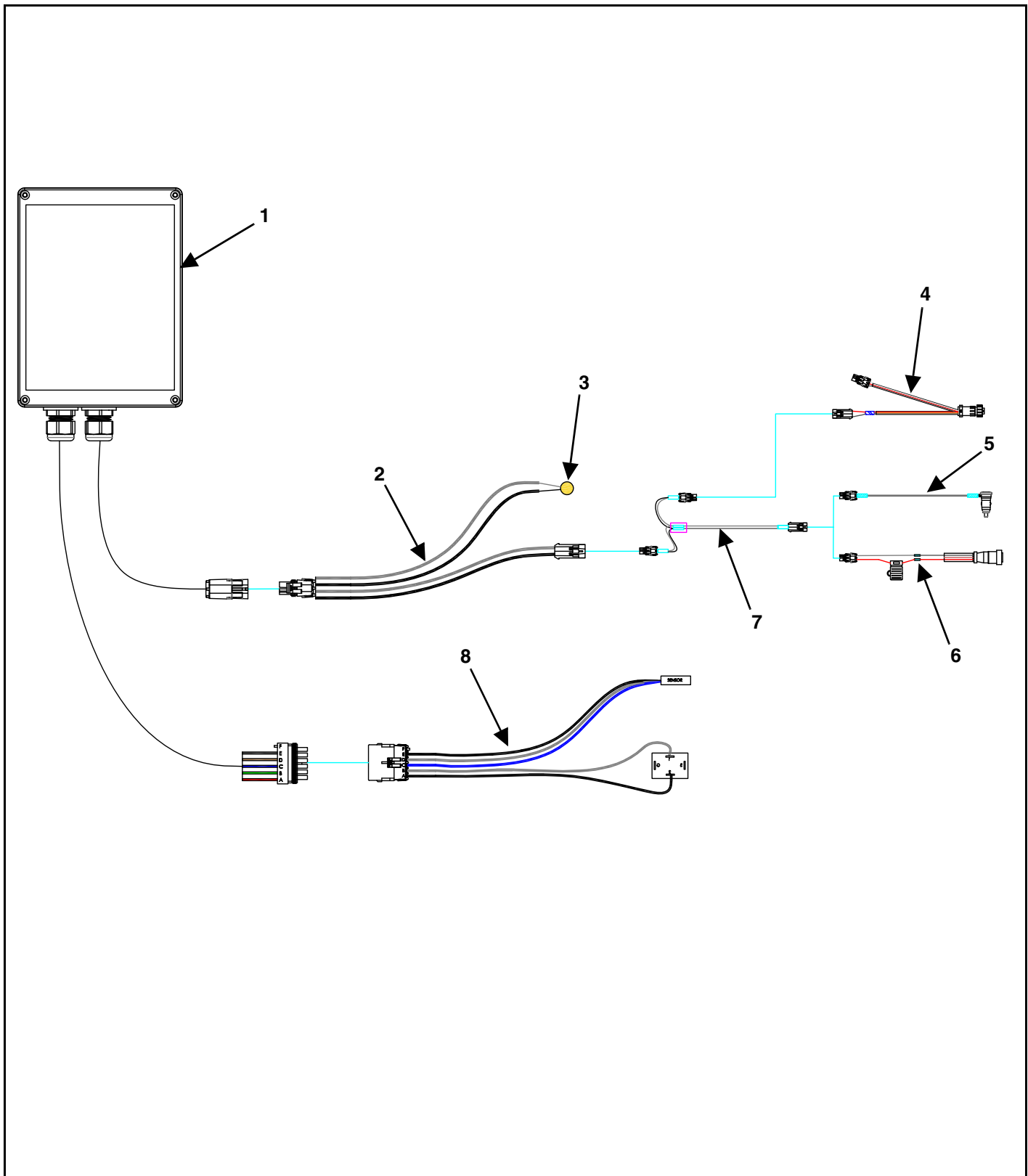
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	56-0381	1	Monitor Y-Harness	1070/1270
2	56-0360	1	12V Power Cord	1070/1270
3	56-0361	1	3-Pin Power Cord	1070/1270
4	56-0372	1	Y-Harness	1070/1270

# **AUTOMATIC TRANSMISSION ELECTRICAL CONTROL HARNESS WITH COOLERS**



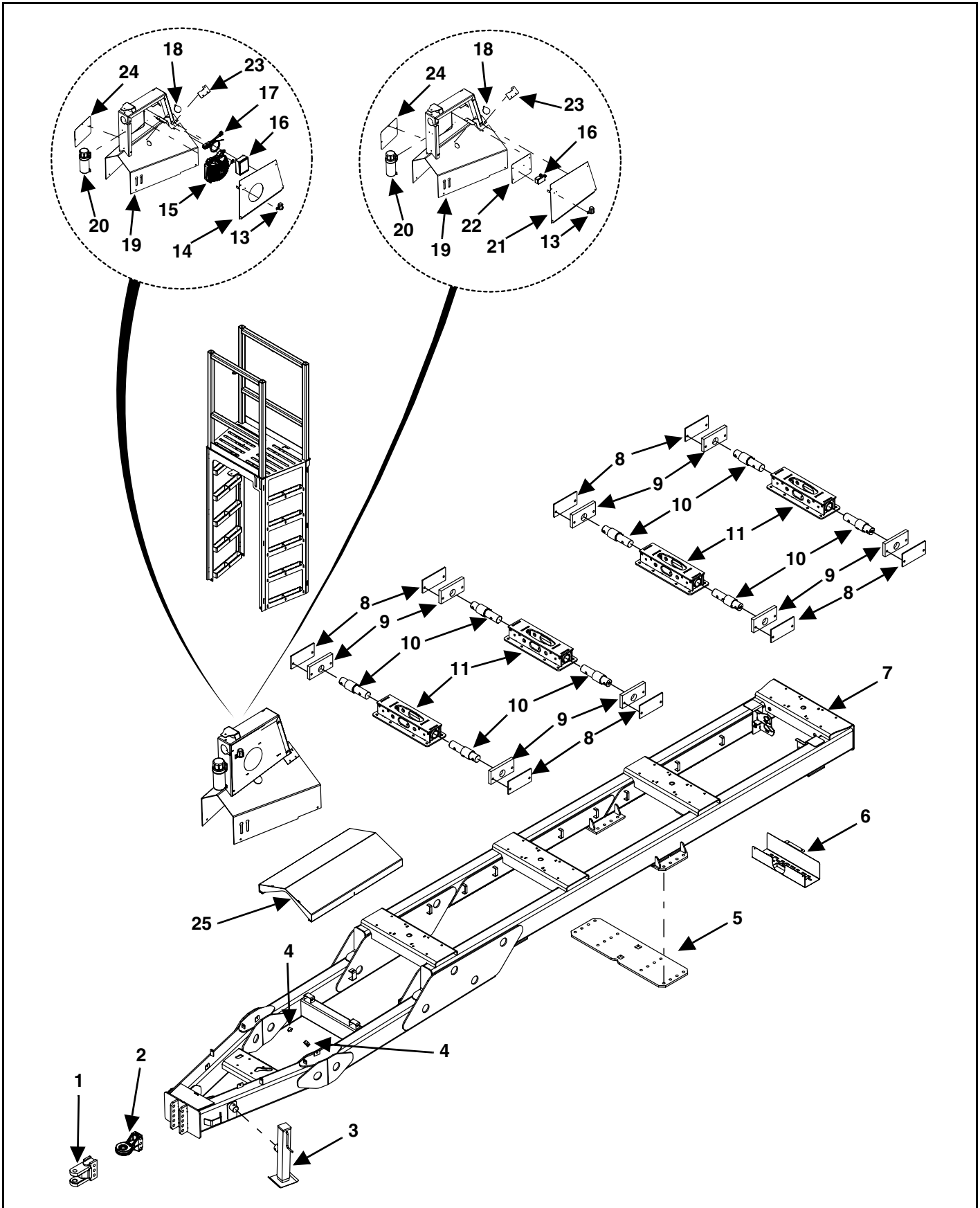
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	56-0374	1	Transmission/Cooling Junction Box Assembly	1070/1270/1570
2	56-0383	1	Fan Harness Assembly	1070/1270
	56-0377	1	Fan Harness Assembly	1570
3	56-0378	1	Battery Harness Assembly	1070/1270/1570
4	56-0382	1	Battery Extension Harness Assembly	1070/1270/1570
5	56-0381	1	Monitor Y-Harness	1070/1270/1570
6	56-0111-BT	1	Amber Light	1070/1270/1570
7	56-0376	1	Light/Junction Box Power Cord Assembly	1070/1270/1570
8	56-0375	1	Coil Sensor Assembly	1070/1270/1570
9	56-0167	1	Circuit Breaker	1070/1270/1570
NS	56-0350-1	1	2 Button Rechargeable Transmitter	1070/1270/1570

## AUTOMATIC TRANSMISSION ELECTRICAL CONTROL HARNESS WITHOUT COOLERS



KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	56-0385	1	Transmission Junction Box Assembly	1070/1270/1570
2	56-0386	1	Light/Junction Box Power Cord Assembly	1070/1270/1570
3	56-0111-BT	1	Amber Light	1070/1270/1570
4	56-0381	1	Monitor Y-Harness	1070/1270/1570
5	56-0360	1	12V Power Cord	1070/1270/1570
6	56-0361	1	3-Pin Power Cord	1070/1270/1570
7	56-0372	1	Power Y-Harness	1070/1270/1570
8	56-0375	1	Coil Sensor Assembly	1070/1270/1570
NS	56-0350-1	1	2 Button Rechargeable Transmitter	1070/1270/1570

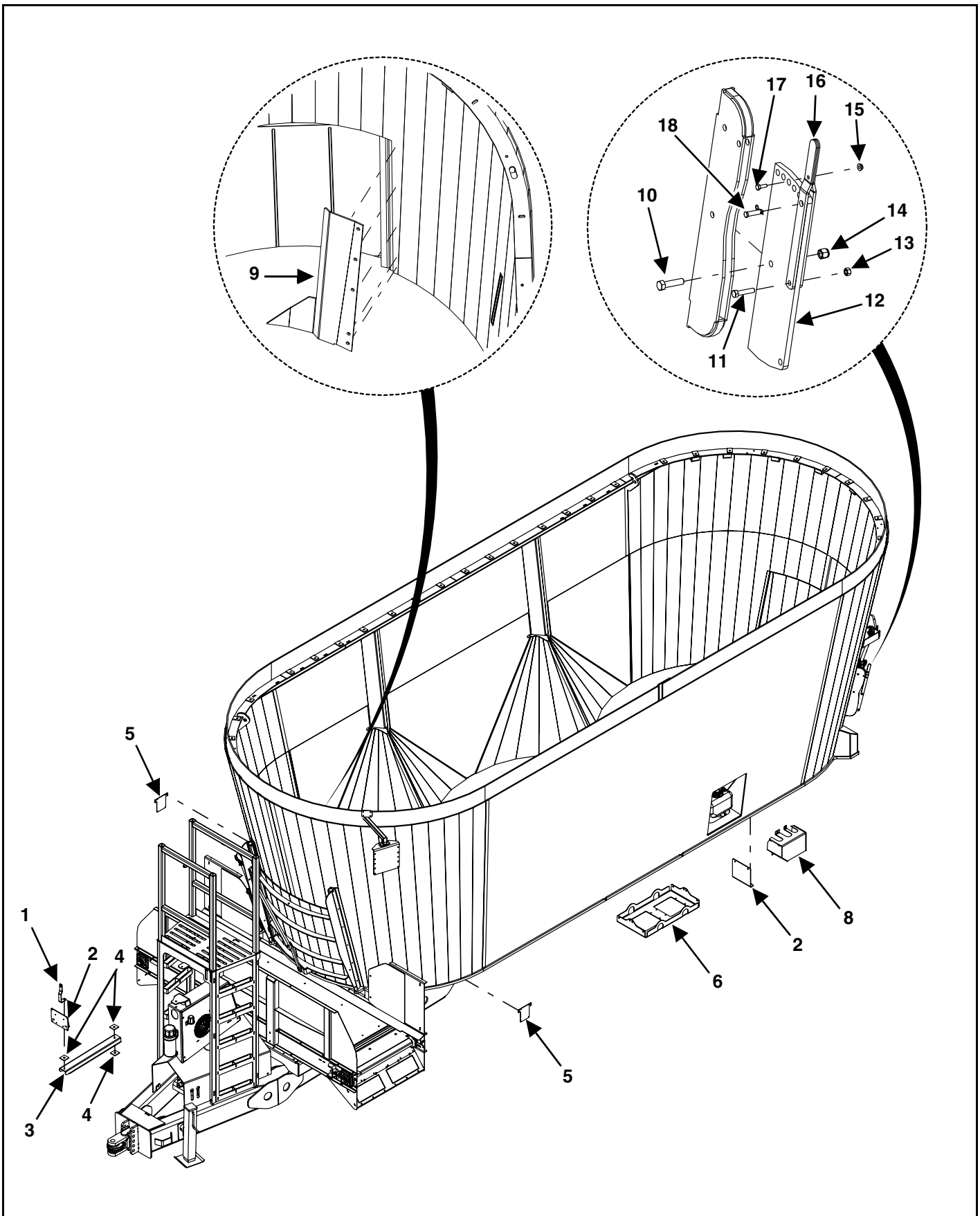
# TRAILER





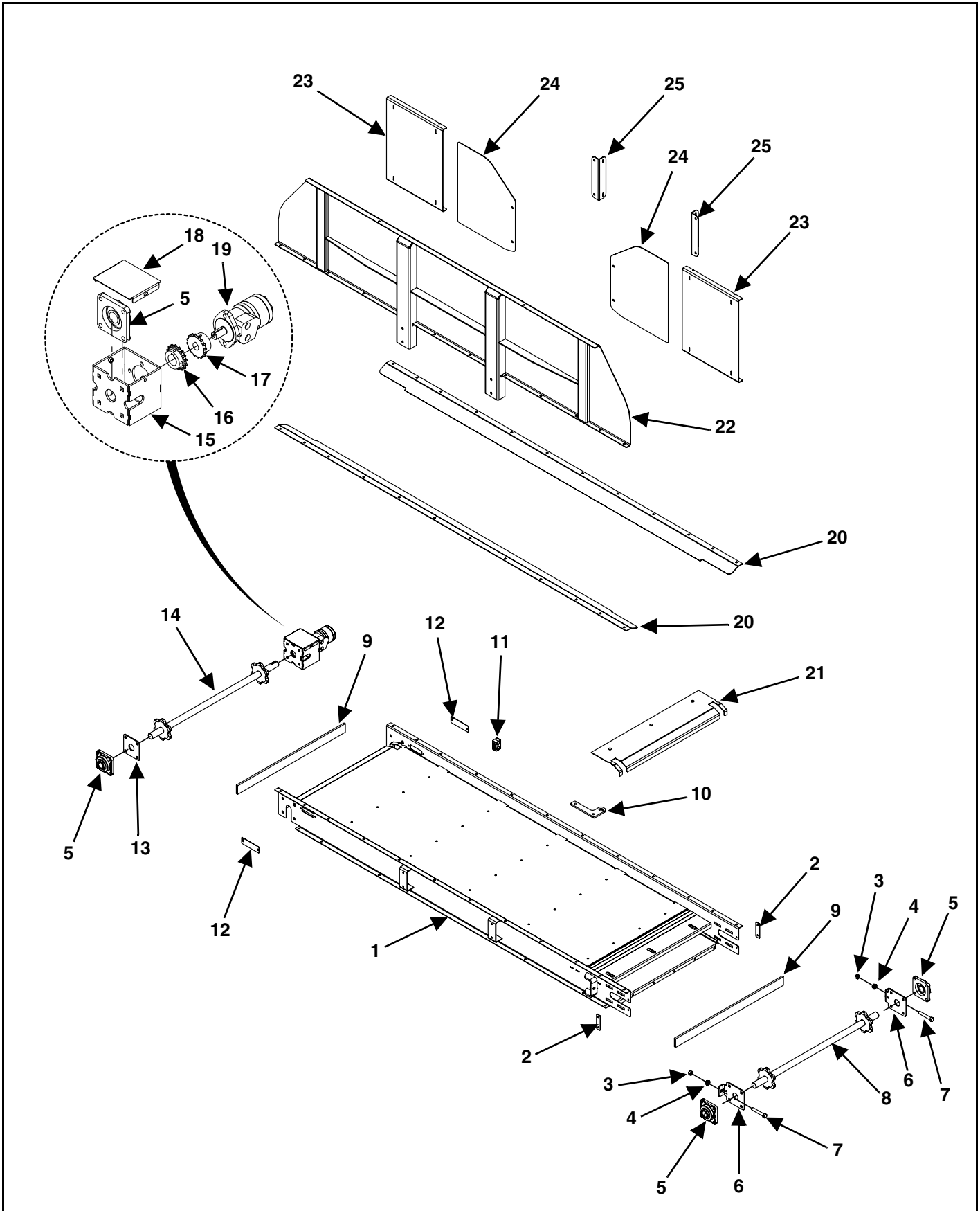
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	75-4054-1	1	Clevis Weldment	1070/1270/1570
2	75-2028	1	Bull Pull Hitch	1070/1270/1570
3	956-3804	1	10,000 LBS Jack	1070/1270/1570
4	M11-7-0008	2	Hose Loom Clamp Bracket	1070/1270/1570
5	MN1-14-0001-1	1	Trailer Plate	1070/1270/1570
6	MN11-1-0008	1	Pump Mount Cover Weldment	1070/1270/1570
7	MN1-10-0002	1	Trailer Weldment	1070/1270
	MN1-14-0002	1	Trailer Weldment	1570
8	MN1-14-0003-7	4	Scale Pod End Cap Plate	1070/1270
	MN1-14-0003-7	8	Scale Pod End Cap Plate	1570
9	MN1-14-0003-6	4	Scale Pod Body Mount Plate	1070/1270
	MN1-14-0003-6	8	Scale Pod Body Mount Plate	1570
10	See Page 58	4	2.875" x 14" Load Cell	1070/1270
	See Page 60	8	2.875" x 14" Load Cell	1570
11	MN1-14-0003	2	Scale Pod Weldment	1070/1270
	MN1-14-0003	4	Scale Pod Weldment	1570
12	M310-1-18-0001	1	Viewing Platform Weldment	1070/1570
	MN10-12-0001	1	Viewing Platform Weldment	1270
13	56-0009	1	Plug Holder	1070/1270/1570
14	MN11-1-0022	1	Heat Exchanger Housing Cover Plate	1070/1270
	MN11-1-0004	1	Heat Exchanger Housing Cover Weldment	1570
15	See Page 94	1	12V Hydraulic Cooler (Optional)	1070/1270/1570
16	See Pages 62, 64 & 66	1	Cooling Junction Box Assembly	1070/1270/1570
17	See Page 56	1	Temperature Control Kit (Optional)	1070/1270/1570
18	925-0608-1-3	1	Shield Cover	1070/1270/1570
19	MN11-1-0003	1	Shroud/Heat Exchanger Housing Weldment	1070/1270/1570
20	33-0060	1	Operator Manual Canister	1070/1270/1570
21	MN11-1-0025	1	Heat Exchanger Housing Cover Plate	1070/1270
	MN11-1-0014	1	Heat Exchanger Housing Cover Weldment	1570
22	MN11-1-0015	1	Cover Plate	1070/1270/1570
23	MN11-1-0002-4	1	Hose Removal Plate	1070/1270/1570
24	MN11-1-0002-1	1	Filter Cover Plate	1070/1270/1570
25	MN11-1-0011	1	Side Discharge Driveline Cover Weldment	1070/1270/1570

# MIXER



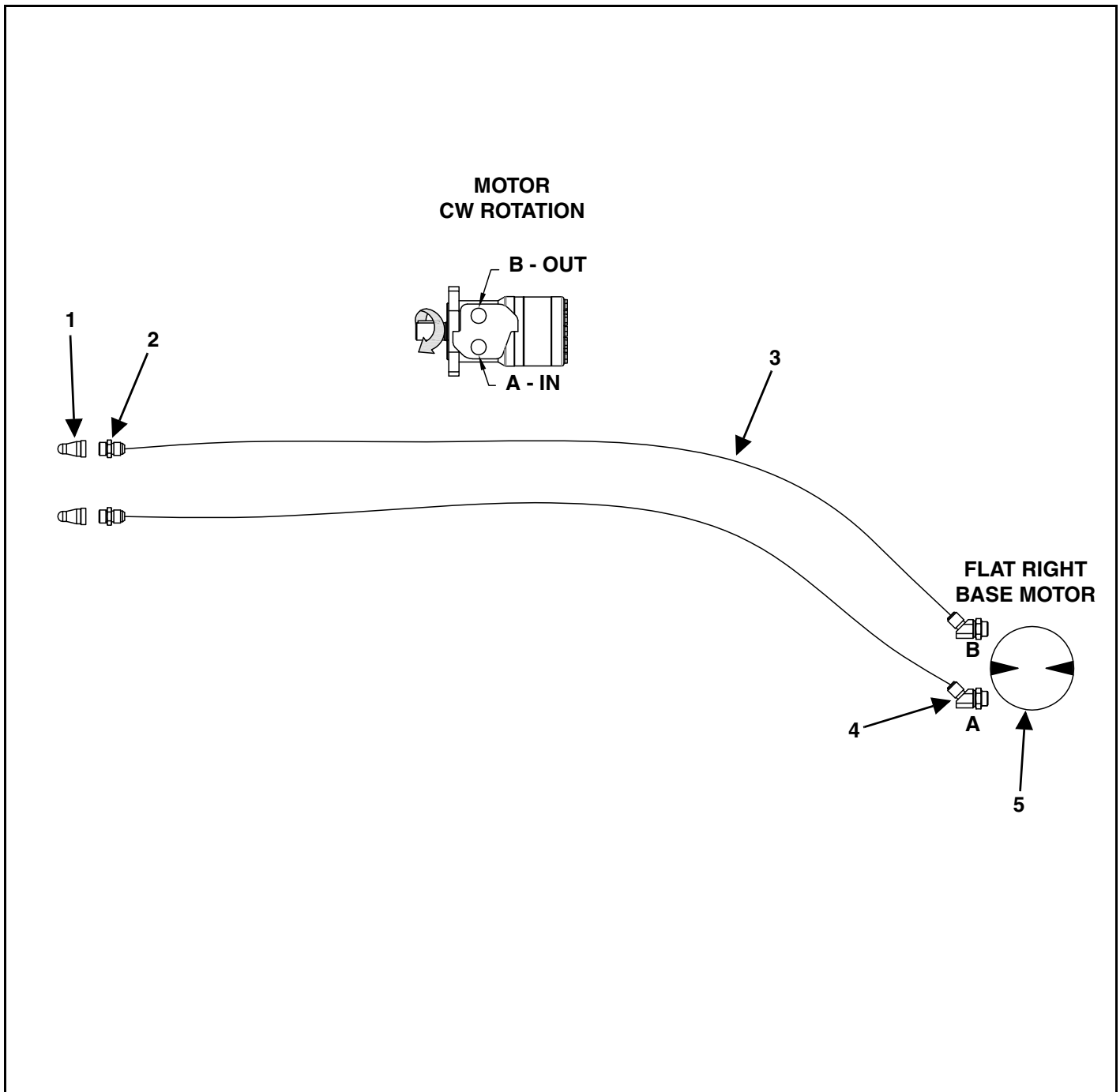
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	MN11-1-0002-3	1	Indicator Light Bracket	1070/1270/1570
2	M9-1-8-0002	1	Scale Indicator Mount	1070/1270/1570
3	M9-1-4-0001	1	Load Display Pivot Arm	1070/1270/1570
4	M9-1-8-0004	3	Scale Arm Rubber Washer	1070/1270/1570
5	MN2-12-0001-21	1	J-Box Mount Plate	1070/1270
	MN2-12-0001-21	2	J-Box Mount Plate	1570
6	MN11-1-0009-1	1	Cooler Mount Plate	1070/1270
	MN11-1-0009-1	2	Cooler Mount Plate	1570
7	MN11-1-0008-3	1	Shield Bracket	1070/1270
8	MN2-14-0007	2	Tank Mount Cover Weldment	1070/1270
	MN2-14-0007	3	Tank Mount Cover Weldment	1570
9	MN6-14-0002	1	Front/Rear Door Deflector	1070/1270/1570
	803-3816-1.25Z	5	3/8"-16 x 1-1/4" Flat Head Socket Cap Screw	1070/1270/1570
	815-3816-Z	5	3/8"-16 Nylon Insert Lock Nut	1070/1270/1570
10	851-5013-2Z	2	1/2"-13 x 2" Machine Bolt	1070/1270/1570
11	851-3816-1.75Z	2	3/8"-16 x 1-3/4" Machine Bolt	1070/1270/1570
12	M7-1-8-0002	2	Hay Stop	1070/1270/1570
13	815-3816-Z	2	3/8"-16 Nylon Insert Lock Nut	1070/1270/1570
14	815-5013-Z	2	1/2"-13 Nylon Lock Nut	1070/1270/1570
15	810-2520-Z	2	1/4" Spin Lock Nut	1070/1270/1570
16	M7-1-8-0003	4	Hay Stop Handle	1070/1270/1570
17	851-2520-.75Z	2	1/4"-20 x 3/4" Machine Bolt	1070/1270/1570
18	32-0042	2	1/2" x 1-1/2" Clevis Pin With Clip	1070/1270/1570

# FRONT FLAT CHAIN CONVEYOR ASSEMBLY



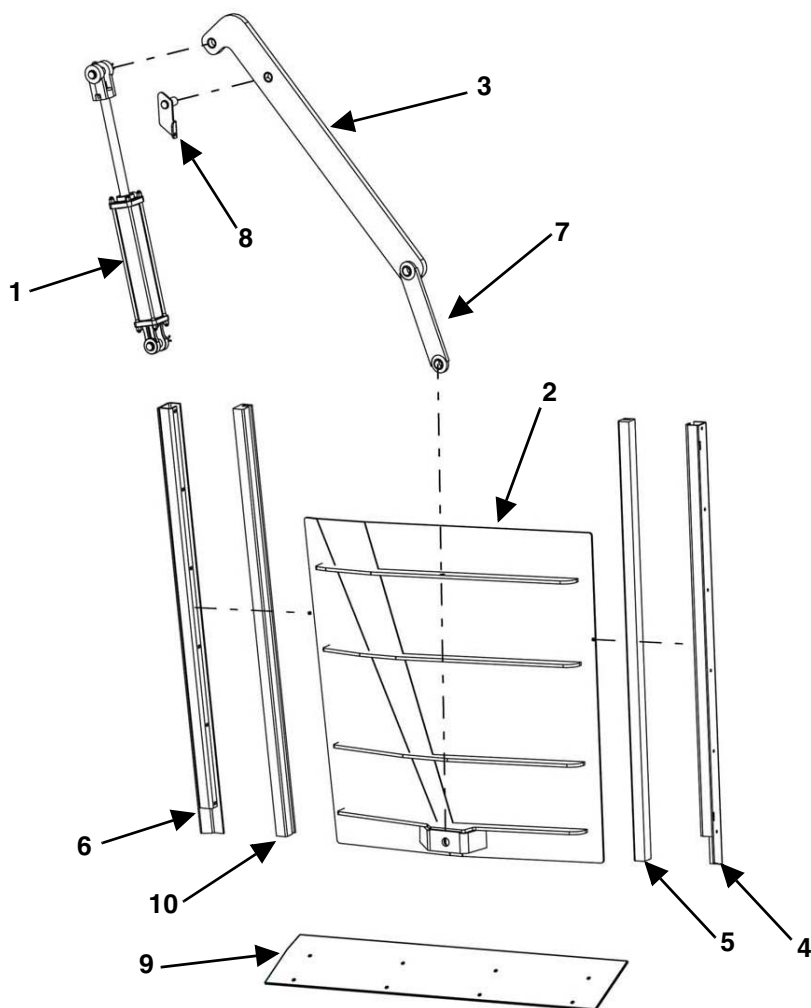
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	MN3-14-0002	1	Front Conveyor Weldment	1070/1270/1570
2	MN3-14-0001-1	2	Cap	1070/1270/1570
3	813-6311-Z	2	5/8"-11 Hex Nut	1070/1270/1570
4	810-6311-Z	2	5/8"-11 Spin Lock Nut	1070/1270/1570
5	14-0070	4	1-1/2" 4-Bolt Bearing	1070/1270/1570
6	MN3-14-0001-4	2	Conveyor Bearing Mount	1070/1270/1570
7	830-6311-4Z	2	5/8"-11 x 4" Hex Tap Bolt	1070/1270/1570
8	23-0255	1	Conveyor Idler Shaft Weldment	1070/1270/1570
9	49-0181	2	Front Chain Conveyor Belt	1070/1270/1570
10	M3-1-8-0027	1	Front Conveyor Cylinder Mount	1070/1270/1570
11	155-2SCB-08-1	1	1/2" Twin Clamp	1070/1270/1570
12	M3-1-4-0015-2	2	Chute Cover	1070/1270/1570
13	M3-1-4-0002	1	Extension Bearing Mount Plate	1070/1270/1570
14	23-0254	1	Conveyor Drive Shaft Weldment	1070/1270/1570
15	M3-1-8-0034	1	Front Conveyor Motor Mount Weldment	1070/1270/1570
16	110-50B16-1.50-1	1	50B16 1-1/2" Bore Sprocket	1070/1270/1570
17	37-0013-1	1	50B16 1" Bore Coupler Sprocket	1070/1270/1570
18	M3-1-8-0006	1	Coupler Cover Plate	1070/1270/1570
19	See Page 74	1	12.1 Cubic Inch 2-Bolt Motor	1070/1270/1570
20	MN3-14-0001-3	2	Chain Cover Plate	1070/1270/1570
21	MN3-14-0001-2	1	Extension Sprocket Cover	1070/1270/1570
22	MN3-14-0003	1	Conveyor Front Panel Weldment	1070/1270/1570
23	MN3-14-0004	2	Conveyor Shield Weldment	1070/1270/1570
24	MN3-14-0004-3	2	Conveyor Panel	1070/1270/1570
25	M3-1-8-0028	2	Front Deflector Mount	1070/1270/1570

# FRONT FLAT CHAIN CONVEYOR HYDRAULIC SCHEMATIC



KEY	PART NUMBER	QTY	DESCRIPTION
1	155-8010-15	2	1/2" Male Tip Poppet Valve
2	155-6400-8-8	2	Straight Adapter
3	155-08R17-240-1	2	1/2" x 240" Hose
4	155-6802-8-10	2	45° Adapter
5	155-WR-12.1-1	1	12.1 Cubic Inch 2-Bolt Motor

## DOOR

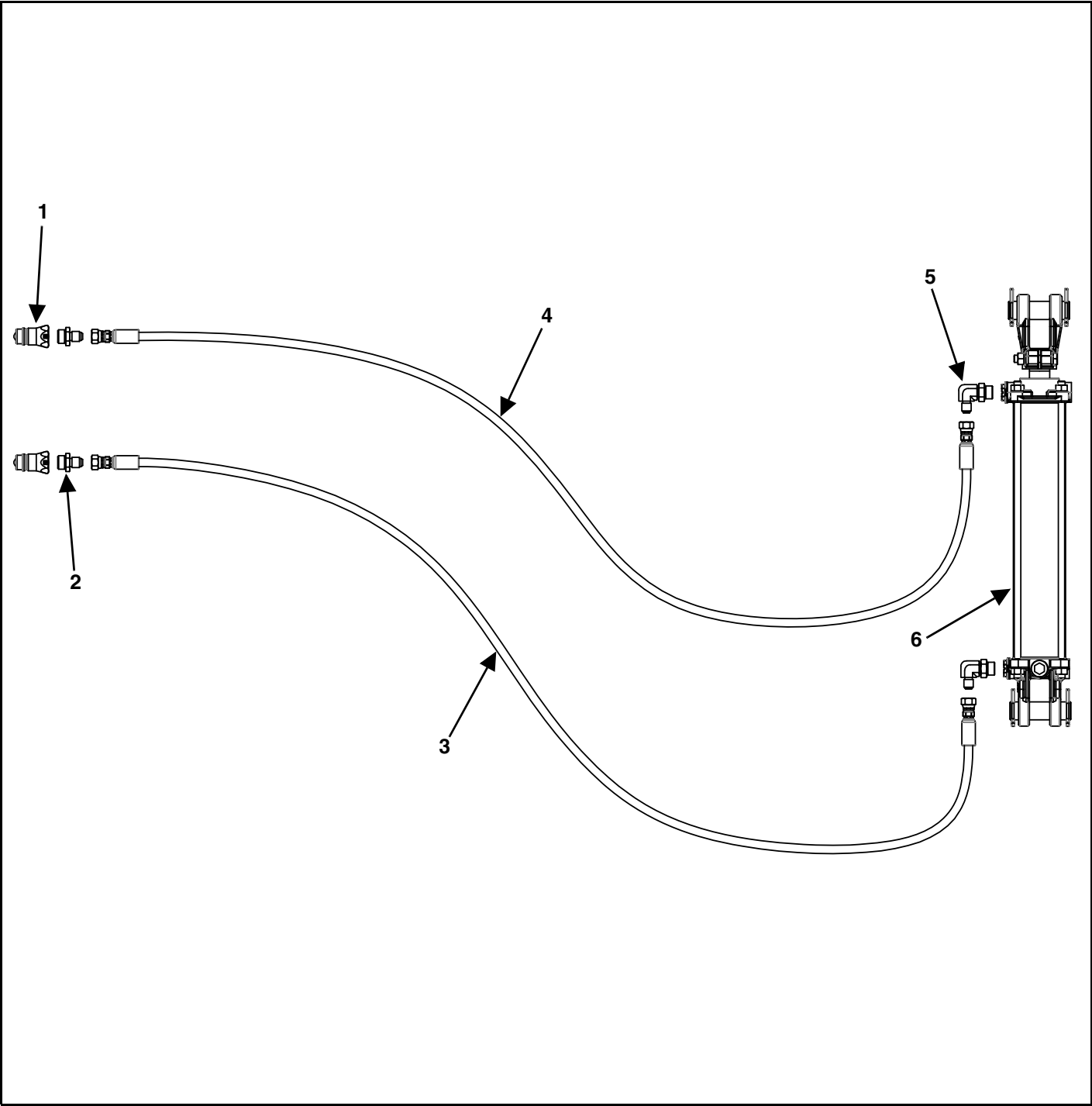


KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	155-2.5-12-1.125-1	1	2-1/2" x 12" x 1-1/8" Hydraulic Cylinder	1070/1270/1570
2	MN6-14-0001	1	Rear/Front Door Weldment	1070/1270/1570
	MN6-14-0004	1	Front Left Side Door Weldment	1070/1270/1570
	MN6-14-0005	1	Front Right Side Door Weldment	1070/1270/1570
	MN6-14-0005	1	Rear Left Side Door Weldment	1570
	MN6-14-0004	1	Rear Right Side Door Weldment	1570
3	M6-1-8-0006	1	Rear / Front Door Arm	1070/1270/1570
	MN6-14-0006	1	Side Door Arm	1070/1270/1570
	M6-1-8-0006-2	2	Spring Bushing 1" ID x 1-1/4" OD x 3/4"	1070/1270/1570
4	M6-1-8-0002	1	Right Door Frame Guide Assembly	1070/1270/1570
5	M6-1-10-0007-R	1	Right Poly Door Slide (Facing Door)	1070/1270/1570
	850-3118-2.5Z	6	Carriage Bolt, 5/16-18 x 2-1/2"	1070/1270/1570
	814-3118-Z	6	Indented Lock Nut, 5/16-18	1070/1270/1570



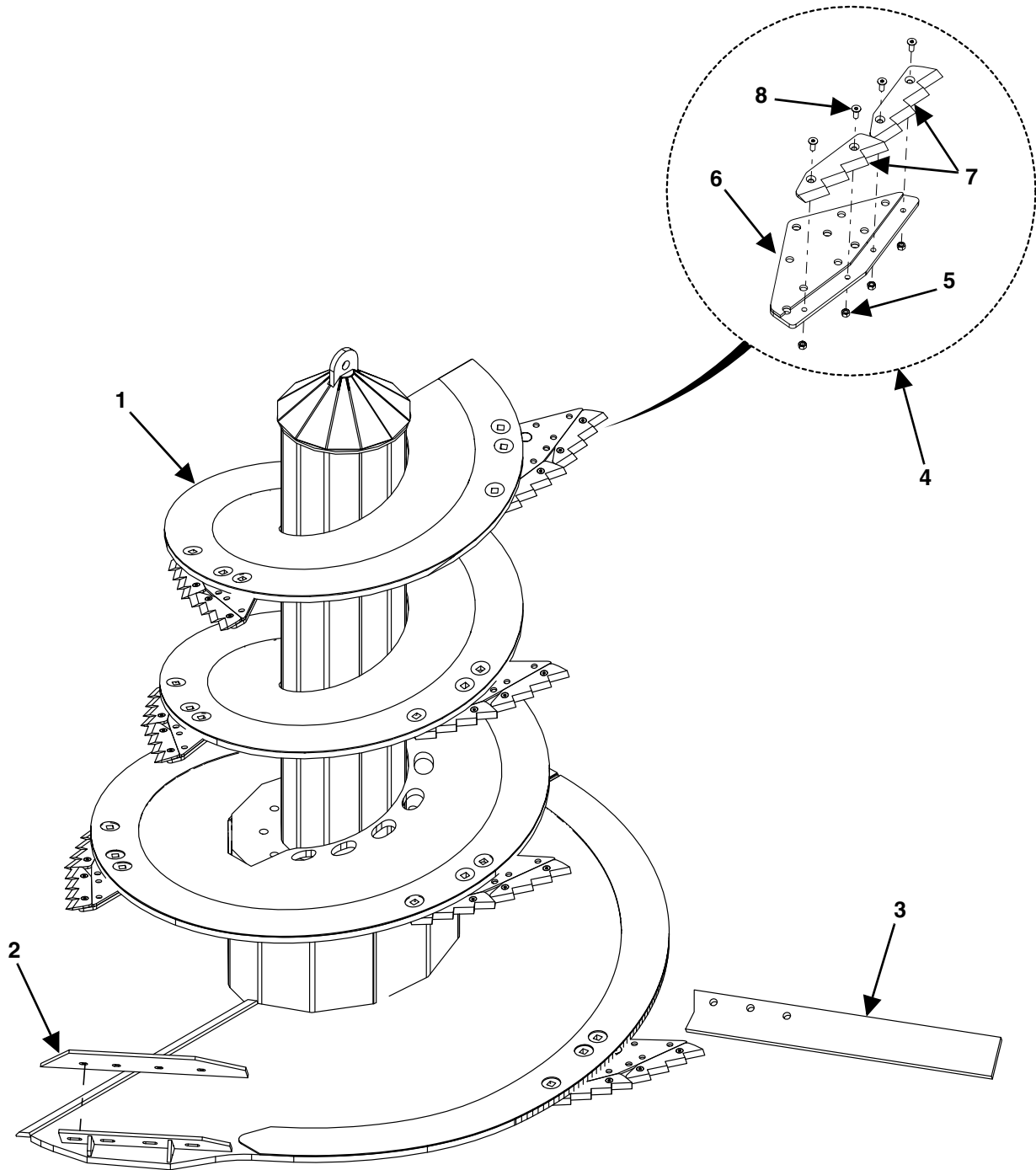
6	M6-1-8-0004	1	Left Door Frame Guide Assembly	1070/1270/1570
7	M6-1-8-0008	1	Door Link Arm Assembly	1070/1270/1570
	851-1008-3Z	2	Machine Bolt, 1-8 x 3"	1070/1270/1570
	815-1008-Z	2	Lock Nut, 1-8 Nylon Insert	1070/1270/1570
8	M6-1-8-0009	1	Door Link Pivot Pin Assembly	1070/1270/1570
	851-3816-1.25Z	1	3/8-16 x 1-1/4" Machine Bolt	1070/1270/1570
	805-0038-Z	2	3/8" Flat Washer	1070/1270/1570
	815-3816-Z	1	3/8-16 Nylon Insert Lock Nut	1070/1270/1570
9	MN11-1-0016-6	1	Front Left Magnet Cover Plate (Side Door Only)	1070/1270/1570
	MN11-1-0017-3	1	Front Right Magnet Cover Plate (Side Door Only)	1070/1270/1570
	MN11-1-0017-3	1	Rear Left Magnet Cover Plate (Side Door Only)	1570
	MN11-1-0016-6	1	Rear Right Magnet Cover Plate (Side Door Only)	1570
10	M6-1-10-0007-L	1	Left Poly Door Slide (Facing Door)	1070/1270/1570
	850-3118-2.5Z	6	Carriage Bolt, 5/16-18 x 2-1/2"	1070/1270/1570
	814-3118-Z	6	Indented Lock Nut, 5/16-18	1070/1270/1570

DOOR HYDRAULIC SCHEMATIC



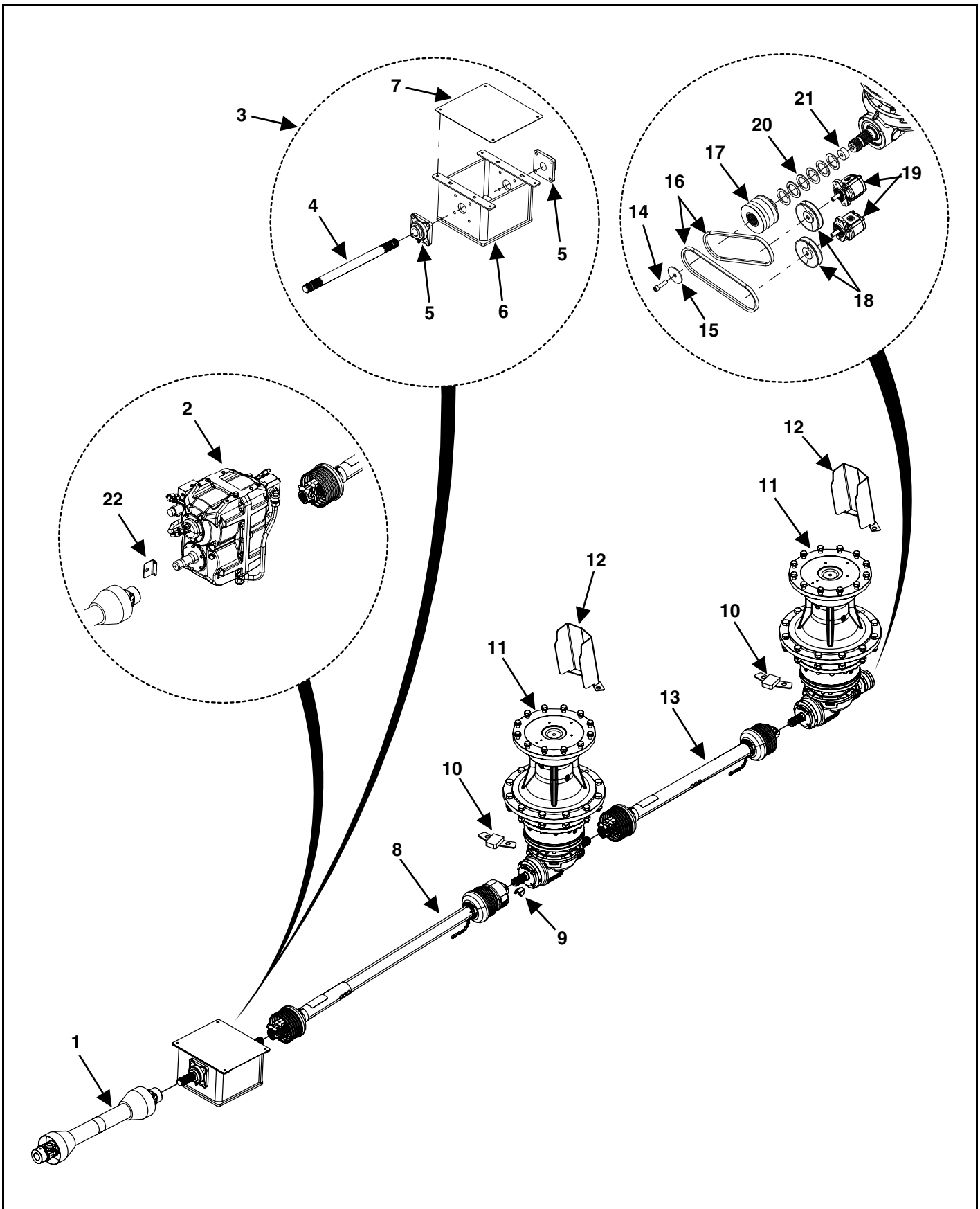
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	155-8010-15	2	1/2" Male Tip Poppet Valve	1070/1270/1570
2	155-6400-6-8	2	Straight Adapter	1070/1270/1570
3	155-04R17-227-1	1	1/4" x 227" Front Door Hose	1070/1270/1570
	155-04R17-466-1	1	1/4" x 466" Rear Door Hose With Front Door	1070/1270/1570
4	155-04R17-242-1	1	1/4" x 242" Front Door Hose	1070/1270/1570
	155-04R17-481-1	1	1/4" x 481" Rear Door Hose With Front Door	1070/1270/1570
5	155-6801-6-8	2	90° Adapter	1070/1270/1570
6	155-2.5-12-1.125-1	1	2-1/2" x 12" x 1-1/8" Hydraulic Cylinder	1070/1270/1570
	155-2.5-1.125-1CSK	1	Seal Kit For Chief 2-1/2" Bore x 1-1/8" Rod	1070/1270/1570
	155-2.5-1.125-1DSK	1	Seal Kit For Delevan 2-1/2" Bore x 1-1/8" Rod	1070/1270/1570
	155-2.5-1.125-1MSK	1	Seal Kit For Maxim 2-1/2" Bore x 1-1/8" Rod (2500PSI)	1070/1270/1570
	155-2.5-1.125-2MSK	1	Seal Kit For Maxim 2-1/2" Bore x 1-1/8" Rod(3000PSI)	1070/1270/1570

## AUGER



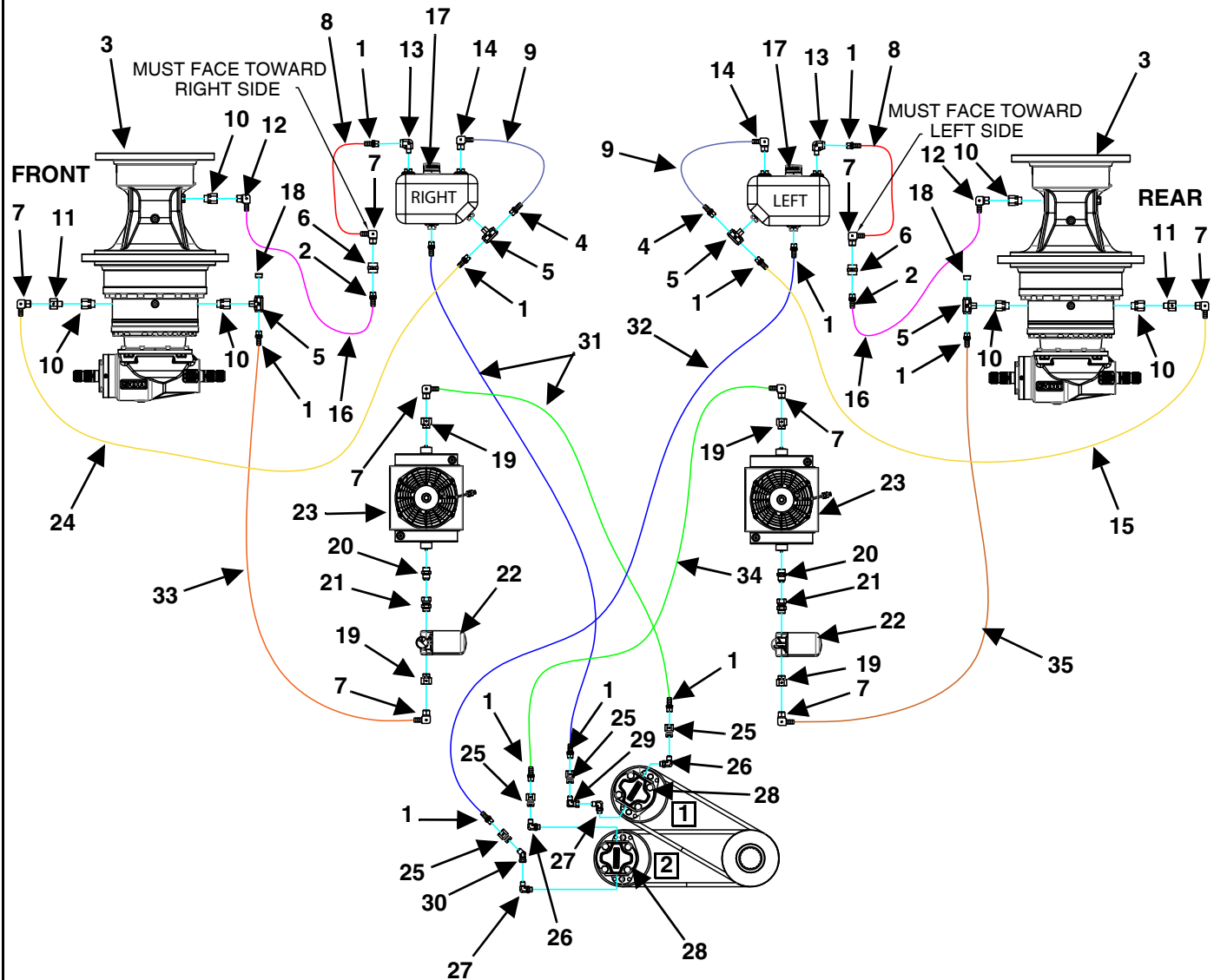
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	MN5-14-0002	2	Auger Weldment	1070
	MN5-12-0002	2	Auger Weldment	1270
	MN5-14-0002	3	Auger Weldment	1570
2	MN5-14-0001-1	2	Auger Scraper	1070/1270
	MN5-14-0001-1	3	Auger Scraper	1570
3	MN5-14-0001-2	4	Auger Kicker	1070/1270
	MN5-14-0001-2	6	Auger Kicker	1570
4	M11-1-0059-K	AR	Mixer Knife Assembly (Includes Knives, Backer & Hardware)	1070/1270/1570
5	814-3816-Z	4 Per	3/8"-16 Hex Center Lock Nut	1070/1270/1570
6	M11-1-0040	AR	Knife Backer Weldment	1070/1270/1570
	880-6311-2Z	2 Per	5/8"-11 x 2" Carriage Bolt	1070/1270/1570
	886-6311-Z	2 Per	5/8"-11 Center Lock Nut	1070/1270/1570
7	M11-1-0050-K	2 Per	Wide Knife Kit (Includes 1 Knife With Hardware)	1070/1270/1570
8	803-3816-1Z	4 Per	3/8"-16 x 1" Flat Socket Head Cap Screw	1070/1270/1570

# 1070 & 1270 DRIVELINE



KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	See Page 102	1	1-3/8-21 Spline PTO (Optional)	1070
	See Page 100	1	1-3/4-20 Spline PTO Complete	1070/1270
2	See Pages 90 & 92	1	Zuidberg 2-Speed Automatic Transmission	1070/1270
3	MN11-1-0013	1	Direct Drive Input Shaft Assembly	1070/1270
4	123-1.75-0025	1	Direct Drive Input Shaft	1070/1270
5	914-3819	2	1-3/4" 4-Bolt Flange Cast Housing Bearing	1070/1270
6	MN11-1-0012	1	Input Shaft Housing Weldment	1070/1270
7	MN11-1-0013-1	1	Cover Plate	1070/1270
8	118-VM-0001-2500	1	1-3/4-20 Spline PTO Complete	1070/1270
9	M9-1-8-0011	1	Rotation Counter Bracket	1070/1270
10	MN11-1-0001	2	Floor Cover Weldment	1070/1270
11	See Page 96	2	3003 Series Planetary Gearbox	1070/1270
12	MN2-14-0008	2	Gearbox Breather Guard Weldment	1070/1270
13	118-VM-0002-2500	1	1-3/4-20 Spline PTO Complete	1070/1270
14	831-M12-1.75-45	1	M12-1.75 x 45mm Allen Head Cap Screw (Optional)	1070/1270
15	601-0001-65	1	Drive Shaft Cap Washer (Optional)	1070/1270
16	49-0533	2	V-Belt (Optional)	1070/1270
17	MN11-1-0010	1	Pulley Weldment (Optional)	1070/1270
18	12-0069	2	1/2" Bore Single Sheave Pulley (Optional)	1070/1270
19	See Pages 84	2	2-Bolt Gear Pump (Optional)	1070/1270
20	808-1.75-2.5-10	6	Machine Bushing (Optional)	1070/1270
21	MN11-1-0005-3	1	Bushing (Optional)	1070/1270
22	MN11-1-0002-2	1	Speed Switch Mount Plate	1070/1270

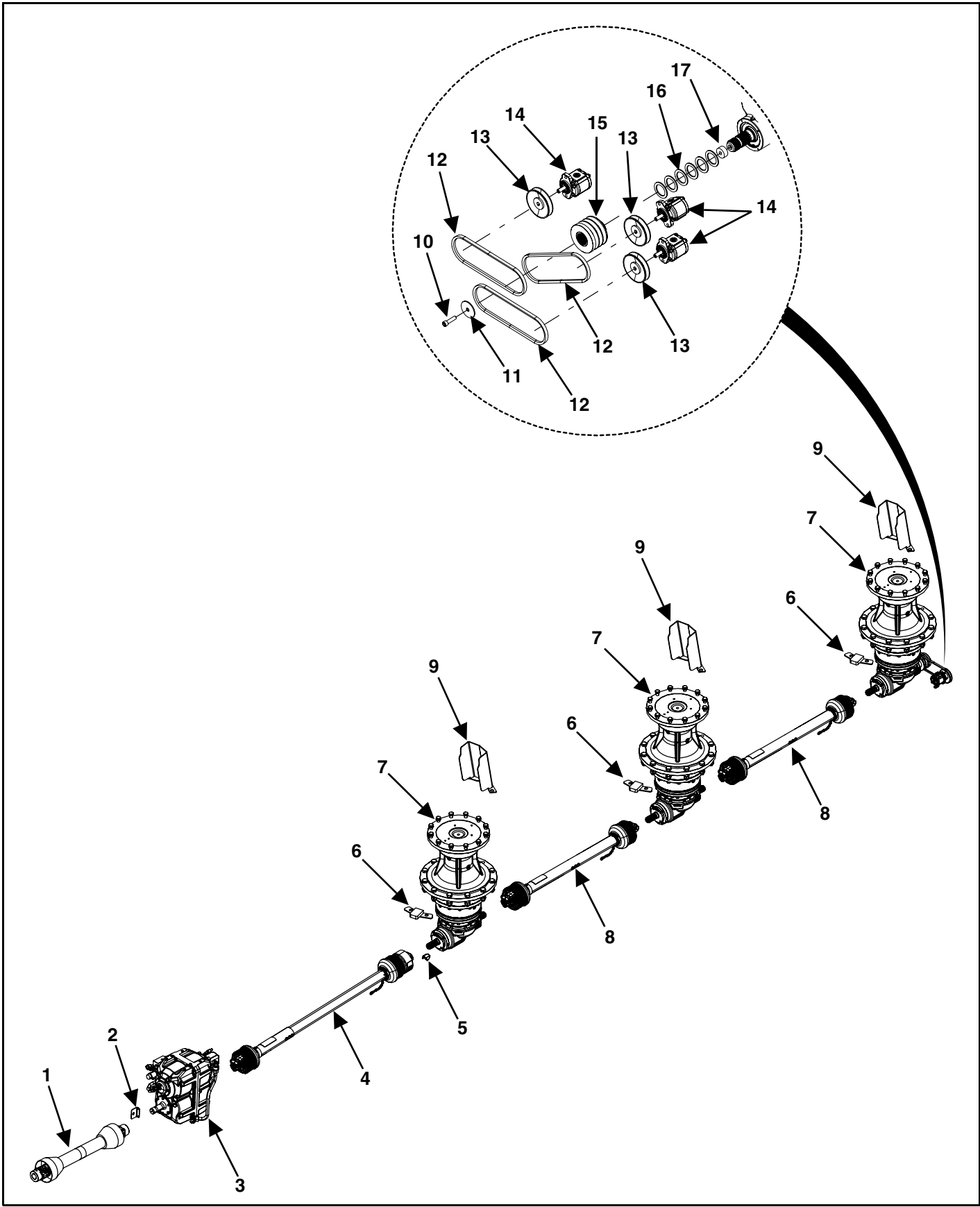
# 1070 & 1270 PLANETARY OIL COOLING SYSTEM





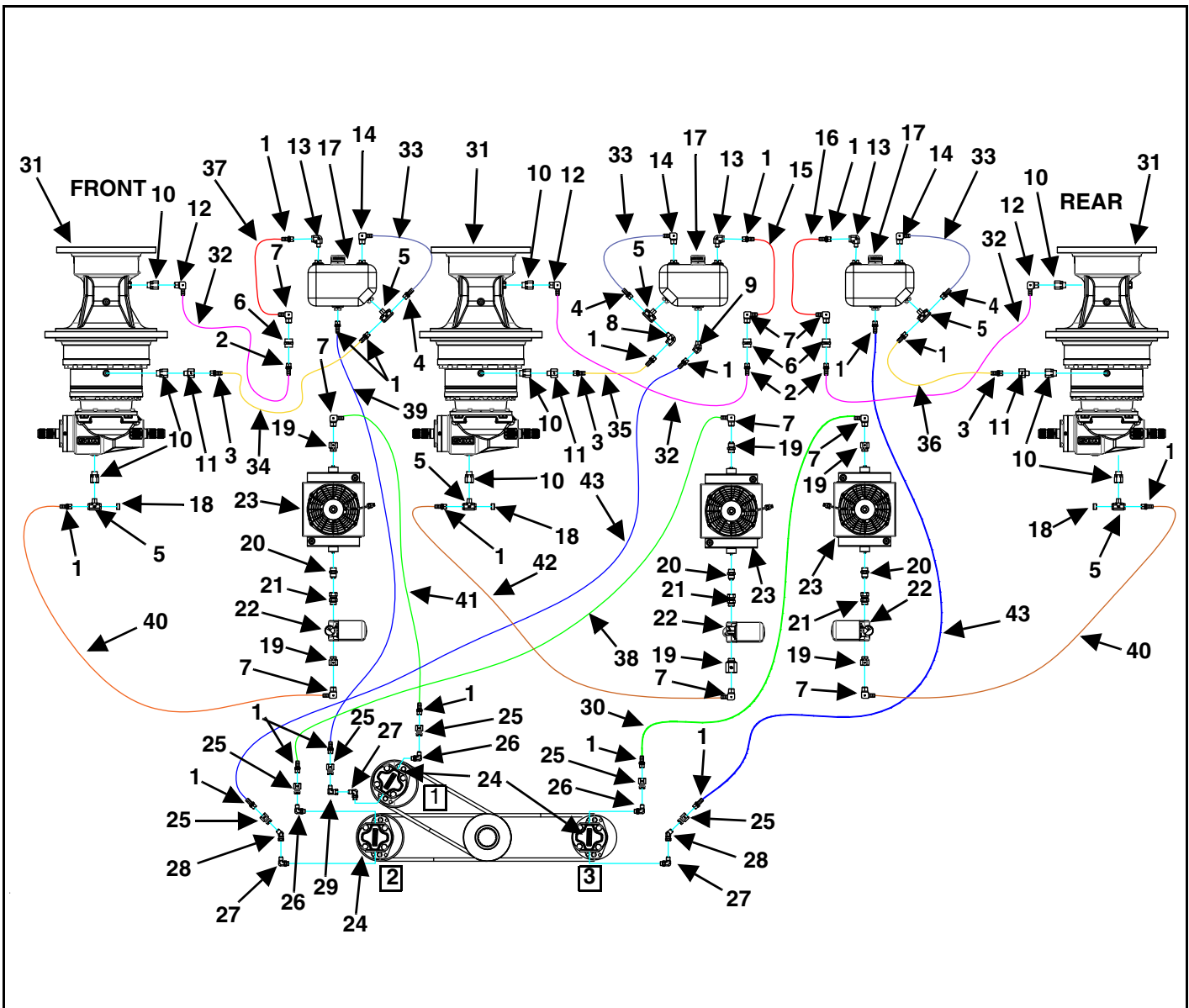
KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0378	12	3/4" Hose ID x 1/2" NPT Male Hose Barb Straight
2	55-0410	2	1/2" Hose ID x 1/2" NPT Male Hose Barb Straight
3	See Page 96	2	3003 Series Planetary Gearbox
4	55-0412	2	3/8" Hose ID x 1/2" Male NPT Hose Barb Straight
5	155-5604-08-08-08	4	Tee Fitting
6	55-0039	2	Straight Adaptor
7	55-0418	8	3/4" Hose ID x 3/4" Male NPT Hose Barb 90°
8	155-2231-12-107	2	3/4"x 1.05" OD x 107" Push-On Hose
9	155-PV86-15	2	3/8" x 1/2" OD x 15" Clear Vinyl PVC Tubing
10	155-PB08-08	6	Straight Adaptor With BSP Bonded Seal
11	155-5405-08-12	2	Straight Adaptor
12	55-0406	2	1/2" Hose ID x 1/2" Male NPT Hose Barb 90°
13	155-5502-06-08	2	90° Adaptor
14	55-0401	2	3/8" Hose ID x 3/8" Male NPT Hose Barb 90°
15	155-2231-12-87	1	3/4" x 1.05" OD x 87" Push-On Hose
16	155-2231-08-13	2	1/2" x 3/4" OD x 13" Push-On Hose
17	952-0005	2	2-1/2 Gallon Plastic Tank With Vented Cap
18	155-5406-HP-08	2	Hollow Hex Plug
19	155-6405-12-12	4	Straight Adaptor
20	155-6400-12-12	2	Straight Adaptor
21	155-6402-12-12	2	Straight Adaptor
22	55-0376	2	Filter Assembly
	FPE30-10N	2	Filter Element
	P77-7004	2	Visual Indicator
23	155-OC-D10-1	2	Heat Exchanger Assembly
24	155-2231-12-103	1	3/4" x 1.05" OD x 103" Push-On Hose
25	155-6506-8-8	4	Straight Adaptor
26	155-6801-08-06	2	90° Adaptor
27	155-6801-08-08	2	90° Adaptor
28	55-0440	2	2-Bolt Gear Pump
29	155-6500-08-08	1	90° Adaptor
30	155-6502-08-08	1	45° Adaptor
31	155-2231-12-79	2	3/4" x 1.05" OD x 79" Push-On Hose
32	155-2231-12-95	1	3/4" x 1.05" OD x 95" Push-On Hose
33	155-2231-12-20	1	3/4" x 1.05" OD x 20" Push-On Hose
34	155-2231-12-66	1	3/4" x 1.05" OD x 66" Push-On Hose
35	155-2231-12-57	1	3/4" x 1.05" OD x 57" Push-On Hose

1570 DRIVELINE



KEY	PART NUMBER	QTY	DESCRIPTION
1	See Page 100	1	1-3/4-20 Spline PTO Complete
2	MN11-1-0002-2	1	Speed Switch Mount Plate
3	See Pages 90 & 92	1	Zuidberg 2-Speed Automatic Transmission
4	118-VM-0001-2500	1	1-3/4-20 Spline PTO Complete
5	M9-1-8-0011	1	Rotation Counter Bracket
6	MN11-1-0001	3	Floor Cover Weldment
7	See Page 96	3	3003 Series Planetary Gearbox
8	118-VM-0002-2500	2	1-3/4-20 Spline PTO Complete
9	MN2-14-0008	3	Gearbox Breather Guard Weldment
10	831-M12-1.75-45	1	M12-1.75 x 45mm Allen Head Cap Screw (Optional)
11	601-0001-65	1	Drive Shaft Cap Washer (Optional)
12	49-0533	3	V-Belt (Optional)
13	12-0069	3	1/2" Bore Single Sheave Pulley (Optional)
14	See Page 88	3	2-Bolt Gear Pump (Optional)
15	MN11-1-0005	1	Pulley Weldment (Optional)
16	808-1.75-2.5-10	6	Machine Bushing (Optional)
17	MN11-1-0005-3	1	Bushing (Optional)

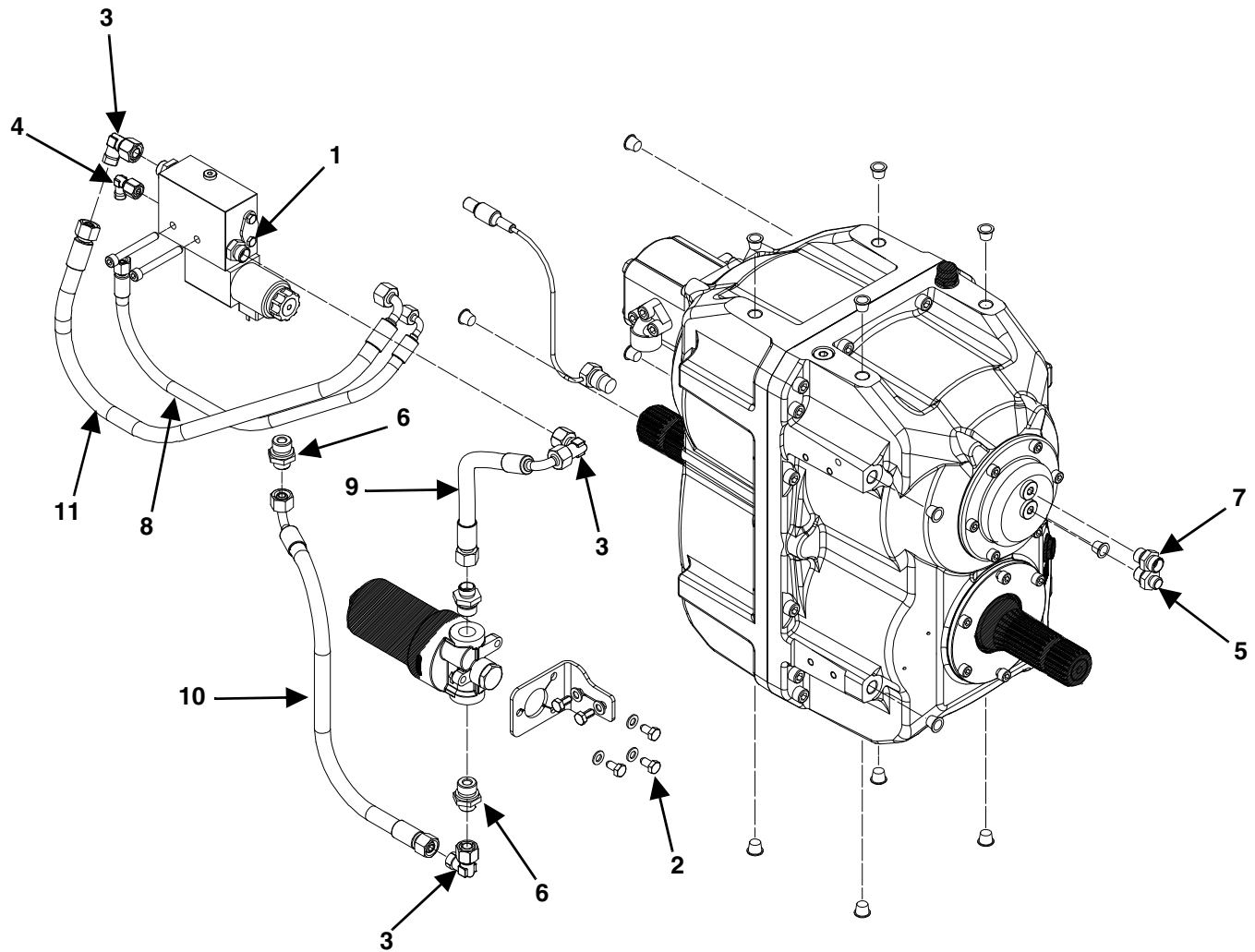
# 1570 PLANETARY OIL COOLING SYSTEM



KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0378	18	3/4" Hose ID x 1/2" NPT Male Hose Barb Straight
2	55-0410	3	1/2" Hose ID x 1/2" NPT Male Hose Barb Straight
3	55-0377	3	3/4" Hose ID x 3/4" NPT Male Hose Barb Straight
4	55-0412	3	3/8" Hose ID x 1/2" Male NPT Hose Barb Straight
5	155-5604-08-08-08	6	Tee Fitting
6	55-0039	3	Straight Adaptor
7	55-0418	9	3/4" Hose ID x 3/4" Male NPT Hose Barb 90°
8	55-0004	1	90° Coupler
9	155-5503-08-08	1	45° Coupler
10	155-PB08-08	9	Straight Adaptor With BSP Bonded Seal

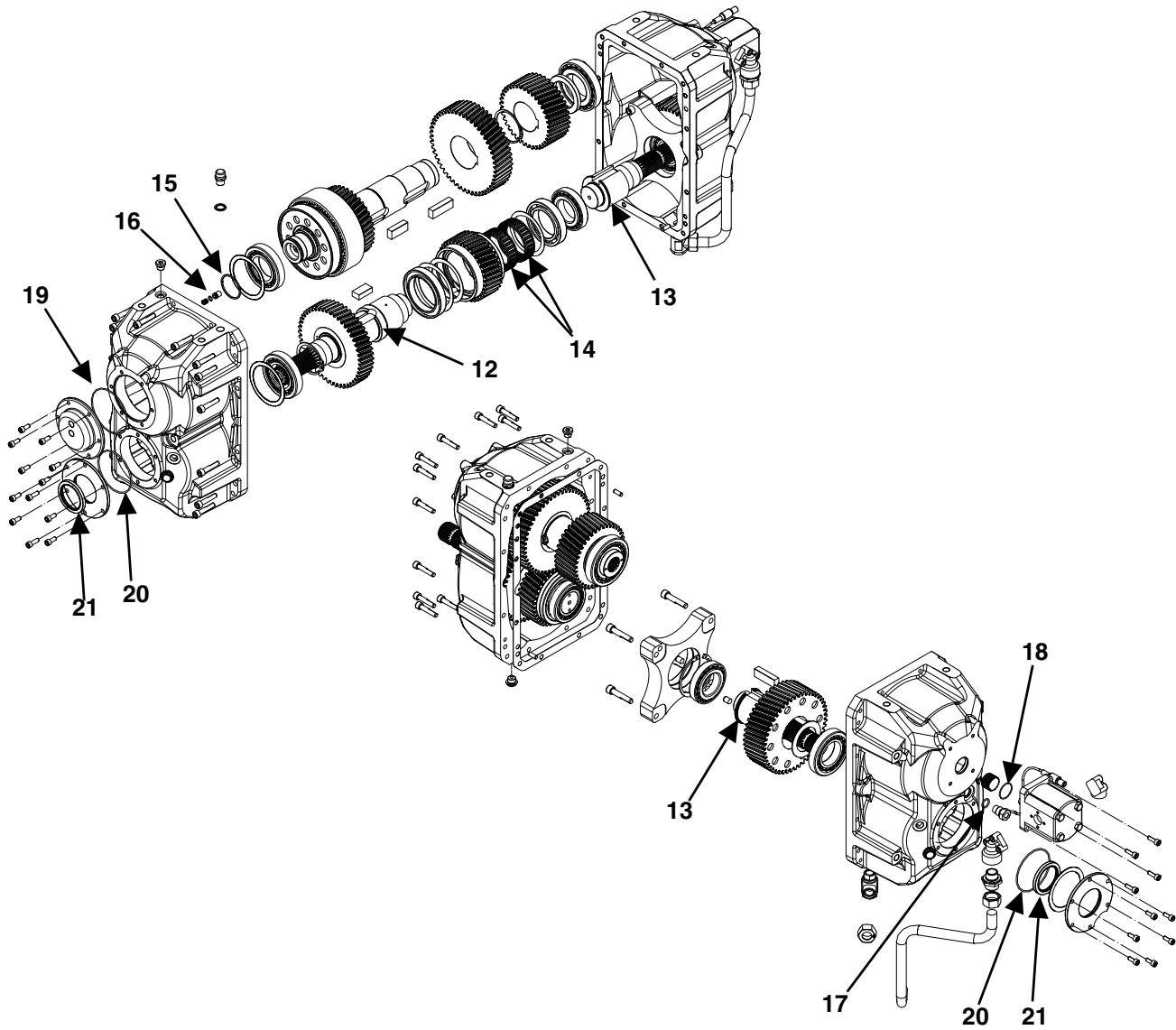
11	155-5405-08-12	3	Straight Adaptor
12	55-0406	3	1/2" Hose ID x 1/2" Male NPT Hose Barb 90°
13	155-5502-06-08	3	90° Adaptor
14	55-0401	3	3/8" Hose ID x 3/8" Male NPT Hose Barb 90°
15	155-2231-12-120	1	3/4" x 1.05" OD x 120" Push-On Hose
16	155-2231-12-114	1	3/4" x 1.05" OD x 114" Push-On Hose
17	952-0005	3	2-1/2 Gallon Plastic Tank With Vented Cap
18	155-5406-HP-08	3	Hollow Hex Plug
19	155-6405-12-12	6	Straight Adaptor
20	155-6400-12-12	3	Straight Adaptor
21	155-6402-12-12	3	Straight Adaptor
22	55-0376	3	Filter Assembly
	FPE30-10N	3	Filter Element
	P77-7004	3	Visual Indicator
23	155-OC-D10-1	3	Heat Exchanger Assembly
24	55-0440	3	2-Bolt Gear Pump
25	155-6506-8-8	6	Straight Adaptor
26	155-6801-08-06	3	90° Adaptor
27	155-6801-08-08	3	90° Adaptor
28	155-6502-08-08	2	45° Adaptor
29	155-6500-08-08	1	90° Adaptor
30	155-2231-12-49	1	3/4" x 1.05" OD x 49" Push-On Hose
31	See Page 96	3	3003 Series Planetary Gearbox
32	155-2231-08-13	3	1/2" x 3/4" OD x 13" Push-On Hose
33	155-PV86-15	3	3/8" x 1/2" OD x 15" Clear Vinyl PVC Tubing
34	155-2231-12-82	1	3/4" x 1.05" OD x 82" Push-On Hose
35	155-2231-12-100	1	3/4" x 1.05" OD x 100" Push-On Hose
36	155-2231-12-84	1	3/4" x 1.05" OD x 84" Push-On Hose
37	155-2231-12-93	1	3/4" x 1.05" OD x 93" Push-On Hose
38	155-2231-12-59	1	3/4" x 1.05" OD x 59" Push-On Hose
39	155-2231-12-196	1	3/4" x 1.05" OD x 196" Push-On Hose
40	155-2231-12-36	2	3/4" x 1.05" OD x 36" Push-On Hose
41	155-2231-12-163	1	3/4" x 1.05" OD x 163" Push-On Hose
42	155-2231-12-71	1	3/4" x 1.05" OD x 71" Push-On Hose
43	155-2231-12-108	2	3/4" x 1.05" OD x 108" Push-On Hose

## AUTOMATIC TRANSMISSION (EXTERNALS)



KEY	PART NUMBER	QTY	DESCRIPTION
0	119-2SP-1.0-1.8-1	1	Zuidberg 2-Speed Automatic Transmission
	119-Z-14	1	Clutch Service Kit (Includes Steels, Frictions, Seals, Springs, & Pins)
1	119-Z-04	1	Hydraulic Valve Block
2	851-M8-1.25-16-Z	5	M8-1.25 x 16mm Hex Cap Screw
3	119-Z-05	3	90° Elbow
4	119-Z-06	1	90° Elbow
5	119-Z-07	1	Straight Adapter
6	119-Z-08	1	Straight Adapter
7	119-Z-09	1	Straight Adapter
8	119-Z-10	1	Hose
9	119-Z-11	1	Hose
10	119-Z-12	1	Hose
11	119-Z-13	1	Hose

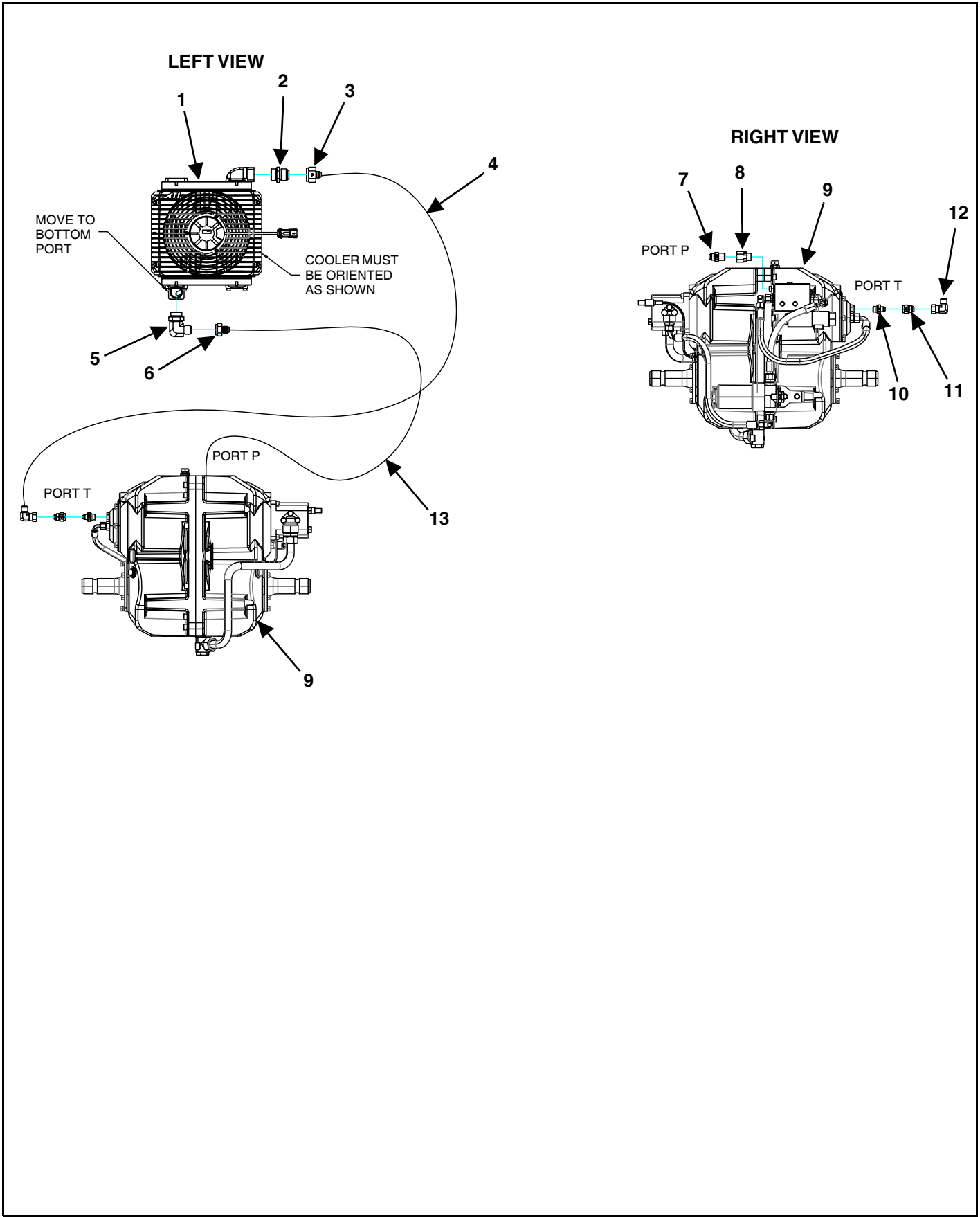
## AUTOMATIC TRANSMISSION (INTERNALS)





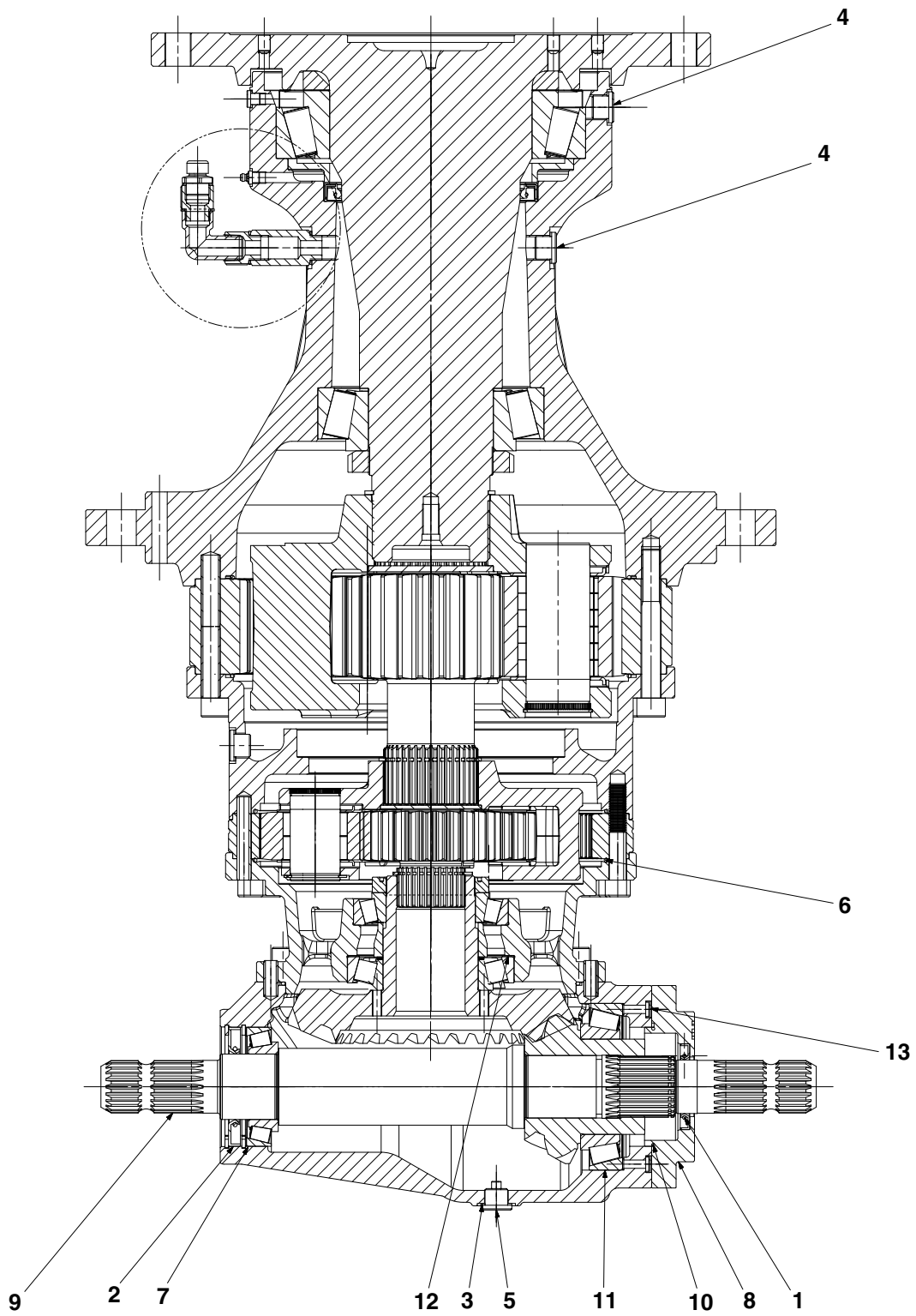
KEY	PART NUMBER	QTY	DESCRIPTION
12	119-Z-15	1	Shaft
13	119-Z-16	1	Shaft
14	119-Z-17	2	Ratchet Overrun Bearing
15	119-Z-18	1	Piston Ring
16	119-Z-19	1	O-Ring
17	119-Z-20	1	O-Ring
18	119-Z-21	1	O-Ring
19	119-Z-22	1	O-Ring
20	119-Z-23	2	O-Ring
21	119-Z-24	2	Oil Seal

**AUTOMATIC TRANSMISSION OIL COOLING SYSTEM**



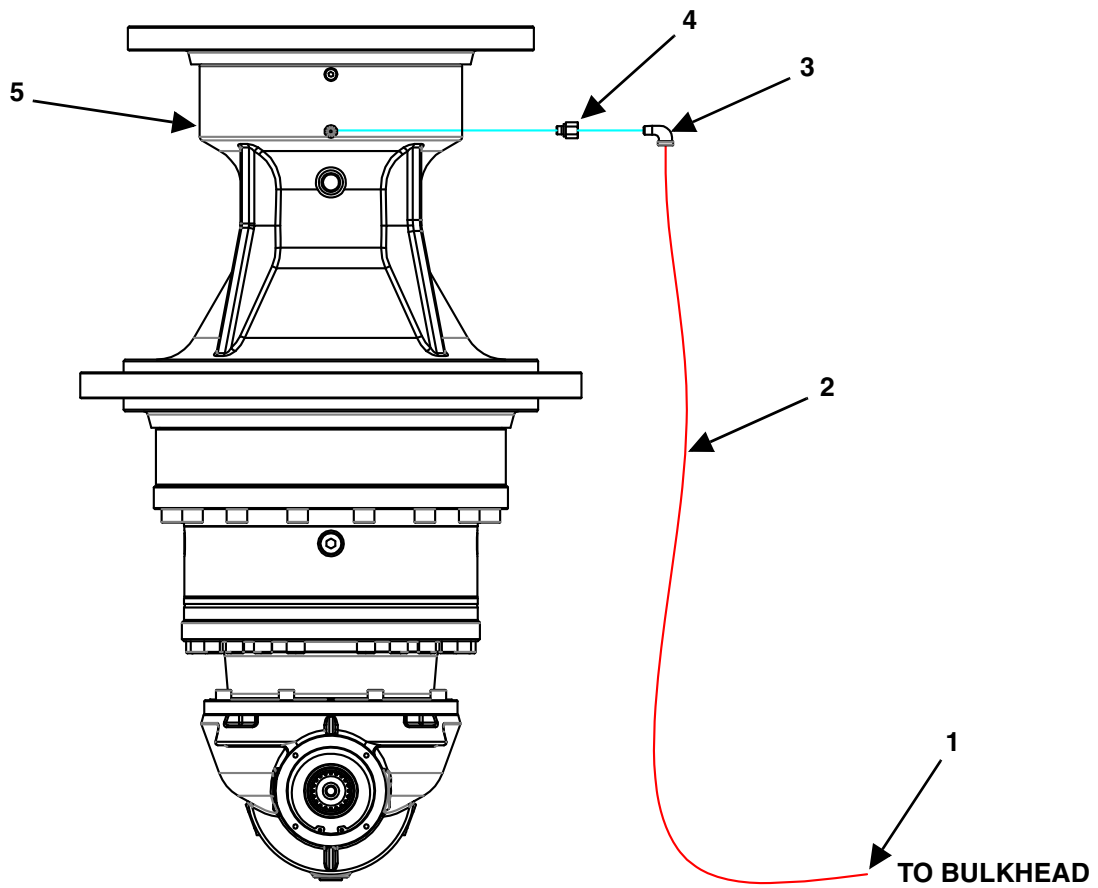
KEY	PART NUMBER	QTY	DESCRIPTION
1	155-OC-TT07-1	1	12V Hydraulic Cooler
2	155-6400-16-16	1	Straight Adapter
3	155-2406-16-8	1	Straight Adapter
4	155-08R17-69-1	1	1/2" x 69" Hose
5	155-6801-12-16	1	90° Adapter
6	155-2406-12-08	1	Straight Adapter
7	155-2404-08-08	1	Straight Adapter
8	155-P08-08	1	Straight Adapter
9	See Pages 90 & 92	1	Zuidberg 2-Speed Automatic Transmission
10	155-7005-06-16	1	Straight Adapter
11	155-2406-06-08	1	Straight Adapter
12	155-6500-08-08	1	90° Adapter
13	155-08R17-52-1	1	1/2" x 52" Hose

# PLANETARY



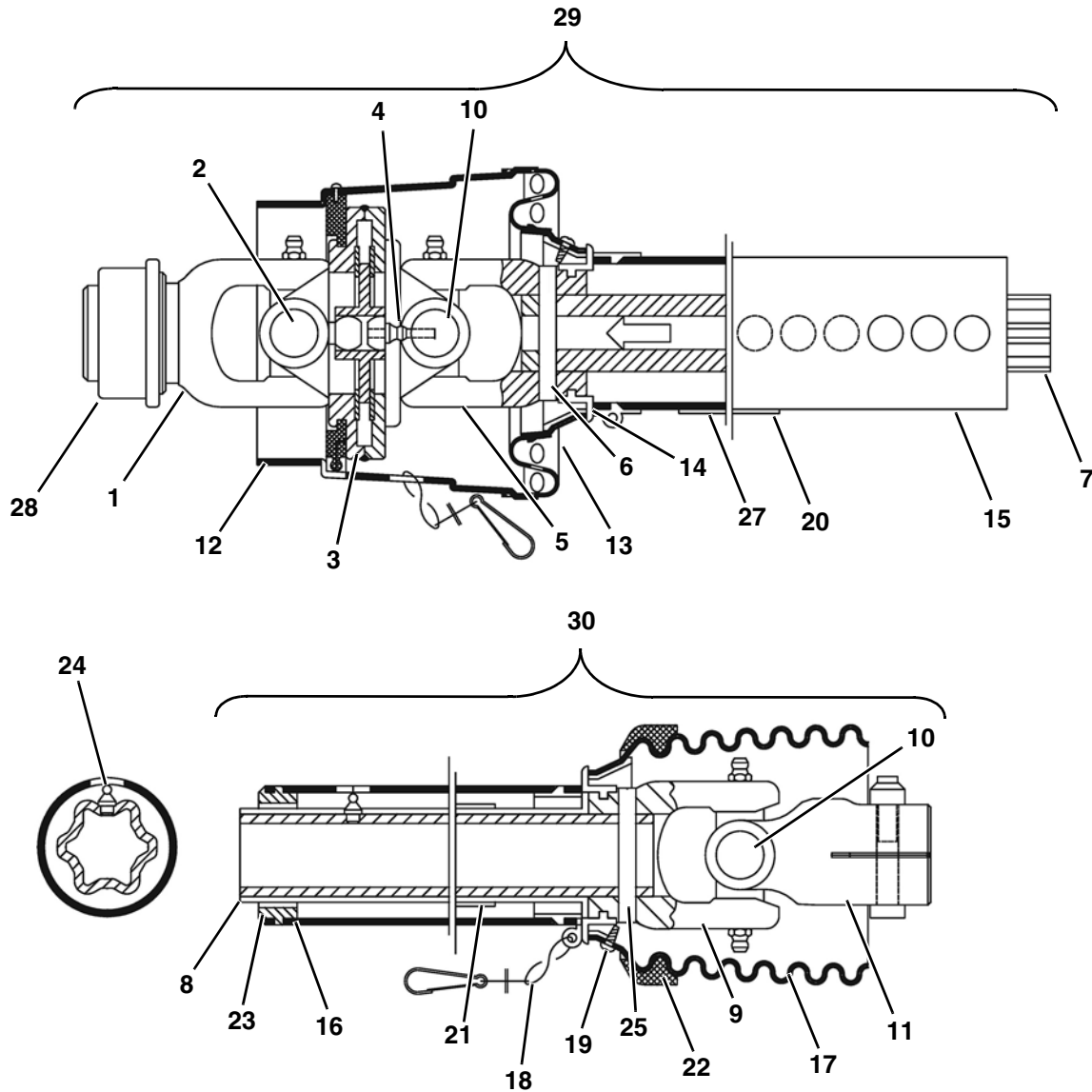
KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
0	119-30-29.4-1	2	3003 Series Planetary Gearbox	1070/1270
	119-30-29.4-1	3	3003 Series Planetary Gearbox	1570
1	119-P-CI-4	1 Per	Oil Seal	1070/1270/1570
2	119-P-CI-5	1 Per	Oil Seal	1070/1270/1570
3	119-P-CI-6	1 Per	Washer	1070/1270/1570
4	119-P-CI-7	4 Per	1/2" Plug	1070/1270/1570
5	119-P-CI-8	1 Per	1/2" Magnetic Plug	1070/1270/1570
6	119-P-CI-10	1 Per	O-Ring	1070/1270/1570
7	119-P-CI-21	1 Per	Shim Kit	1070/1270/1570
8	119-P-CI-25	1 Per	Cover	1070/1270/1570
9	119-P-CI-26	1 Per	1-3/4" Shaft	1070/1270/1570
10	119-P-CI-29	1 Per	O-Ring	1070/1270/1570
11	119-P-CI-30	1 Per	Bearing	1070/1270/1570
12	119-P-CI-32	2 Per	Shim Kit	1070/1270/1570
13	119-P-CI-33	2 Per	Plug	1070/1270/1570

## PLANETARY GREASE COMPONENTS



KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
1	30-0001	2	1/4"-28 Straight Grease Fitting	1070/1270
	155-2GK-NUT	2	Bulkhead Adapter Nut	1070/1270
	30-0001	3	1/4"-28 Straight Grease Fitting	1570
	155-2GK-NUT	3	Bulkhead Adapter Nut	1570
2	155-02R7-100-1-1	2	1/8" x 100" Front & Rear Planetary Hose	1070/1270
	155-02R7-88-1-1	1	1/8" x 88" Front Planetary Hose	1570
	155-02R7-111-1-1	2	1/8" x 111" Middle & Rear Planetary Hose	1570
3	30-0020	2	1/8" NPT 90° Elbow	1070/1270
	30-0020	3	1/8" NPT 90° Elbow	1570
4	155-PB2-2	2	Straight Adapter	1070/1270
	155-PB2-2	3	Straight Adapter	1570
5	See Page 96	2	3003 Series Planetary Gearbox	1070/1270
	See Page 96	3	3003 Series Planetary Gearbox	1570

# 1070/1270/1570 PRIMARY PTO



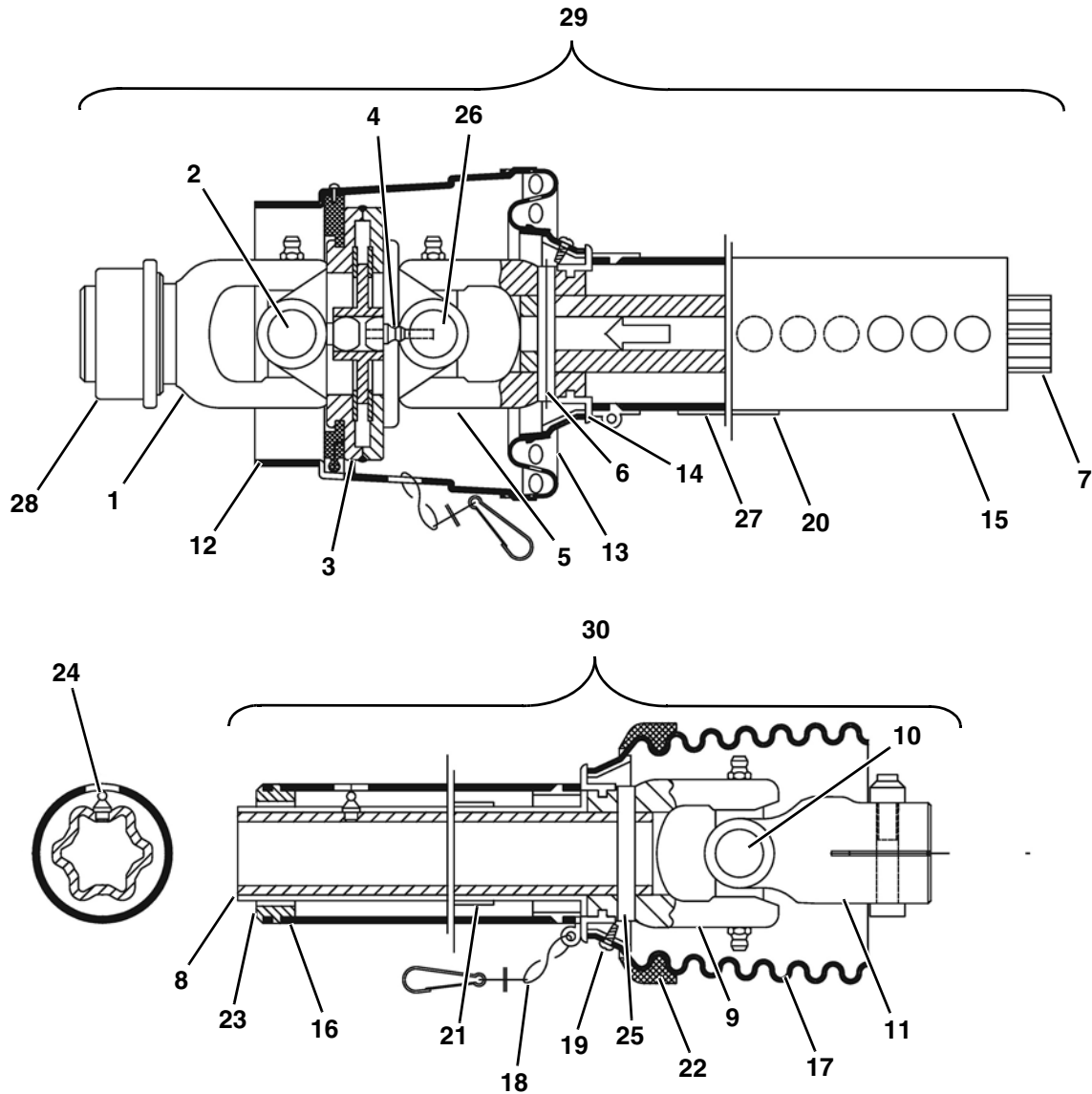
118-VM-0024-55

KEY	PART NUMBER	QTY	DESCRIPTION
0	118-VM-0024-55	1	1-3/4-20 Spline PTO Complete
1	918-0512-1-1	1	Yoke ASG (Includes Item 28)
2	918-0511-1-2	1	Cross & Bearing Kit
3	918-0511-1-3	1	Double Yoke (Includes Item 4)
4	918-0208-1-2	1	Zerk
5	918-0511-1-5	1	Inboard Yoke
6	918-0308-1-5	1	Spring Pin, 10 x 75
7	118-VM-0024-55-3	1	Inner Profile
8	118-VM-0024-55-4	1	Outer Profile (Includes Items 21 & 24)
9	618-0201-2-2	1	Inboard Yoke
10	118-VM-0010-25-2	1	Cross & Bearing Kit



KEY	PART NUMBER	QTY	DESCRIPTION
11	118-VM-0010-25-1	1	Yoke 1-3/4-20 SPL
12	618-0202-1-11	1	CV Guard & Bearing Assembly (Includes Item 19)
13	918-0212-1-5	1	Flex Net & Guard Assembly (Includes Item 19)
14	918-0208-2-4	2	Bearing Ring SC25
15	118-VM-0024-55-5	1	Guard Tube Outer (Includes Item 20)
16	118-VM-0024-55-6	1	Guard Tube Inner
17	118-VM-0024-55-7	1	Guard Cone, 7 Rib (Includes Item 19)
18	918-0208-2-7	2	Restraint Chain
19	918-0208-2-9	10	Screw
20	918-0208-2-8	1	Decal Outer
21	918-0208-1-10	1	Decal Inner
22	618-0202-2-8	1	Reinforcing Collar
23	618-0202-1-10	1	Support Bearing
24	618-0208-1-12	1	Zerk
25	618-0202-2-5	1	Spring Pin, 10 x 90
26	918-0511-1-4	1	Cross & Bearing Kit
27	918-0308-2-6	1	Decal, Lubrication
28	918-0210-1-1-1	1	ASG Collar Kit
29	118-VM-0024-55-1	1	Tractor Half Shaft
30	118-VM-0024-55-2	1	Implement Half Shaft

# 1070 PRIMARY PTO (OPTIONAL)

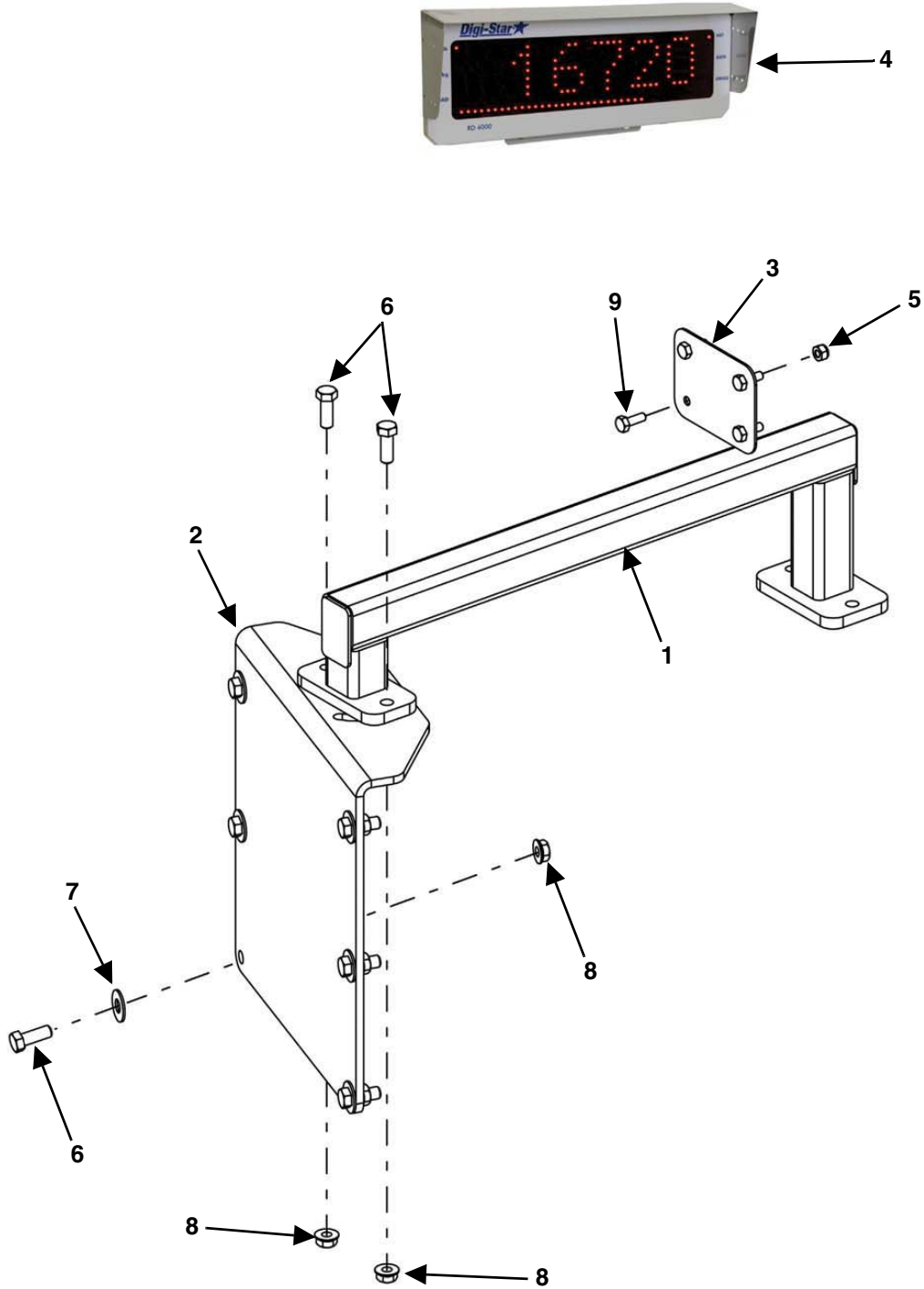


118-VM-0023-55

KEY	PART NUMBER	QTY	DESCRIPTION
0	118-VM-0023-55	1	1-3/8-21 Spline PTO Complete
1	918-0511-1-1	1	Yoke ASG (Includes Item 28)
2	918-0511-1-2	1	Cross & Bearing Kit
3	918-0511-1-3	1	Double Yoke (Includes Item 4)
4	918-0208-1-2	1	Zerk
5	918-0511-1-5	1	Inboard Yoke
6	918-0308-1-5	1	Spring Pin, 10 x 75
7	118-VM-0024-55-3	1	Inner Profile
8	118-VM-0024-55-4	1	Outer Profile (Includes Items 21 & 24)
9	618-0201-2-2	1	Inboard Yoke
10	118-VM-0010-25-2	1	Cross & Bearing Kit

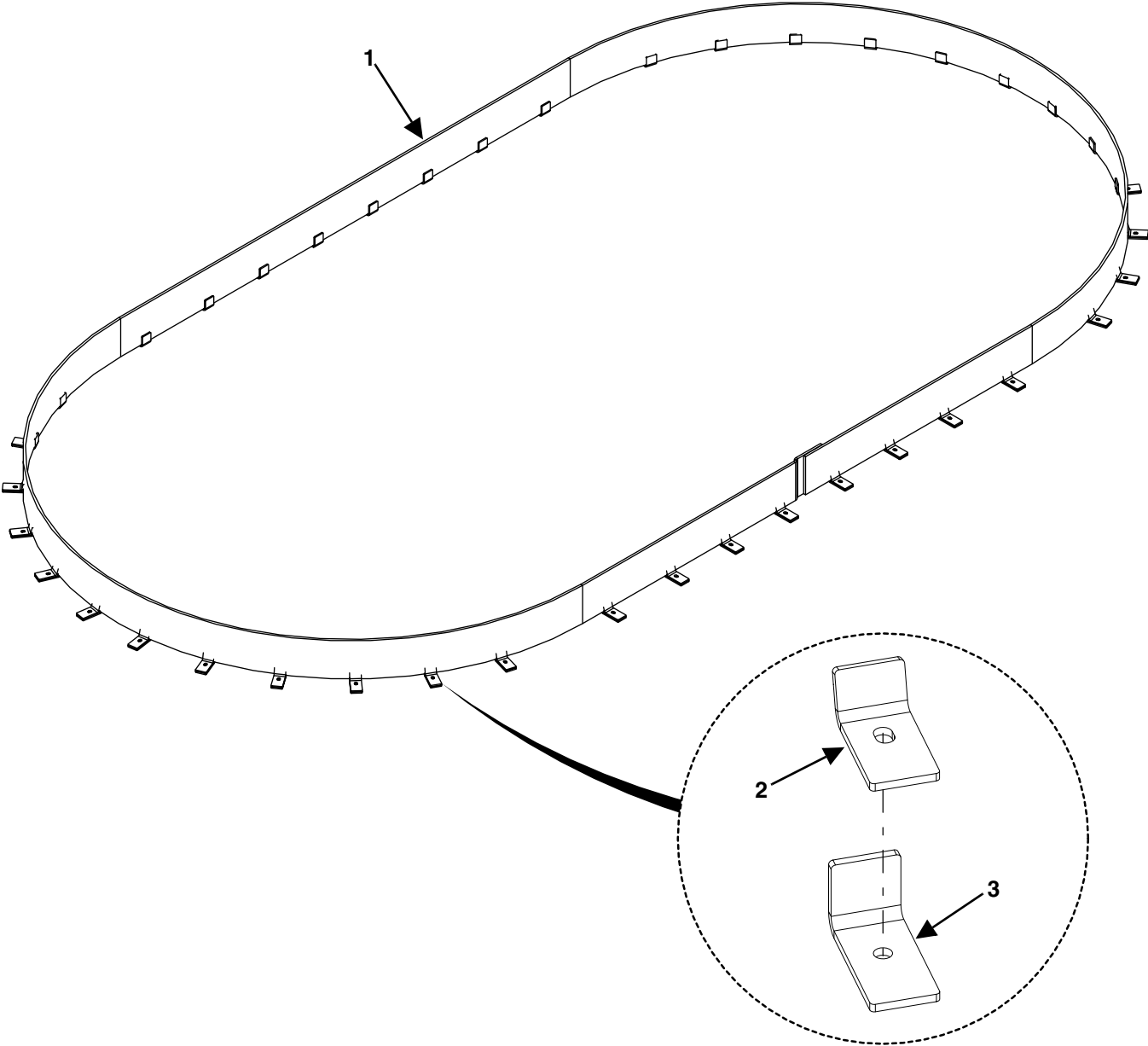
KEY	PART NUMBER	QTY	DESCRIPTION
11	118-VM-0010-25-1	1	Yoke 1-3/4-20 SPL
12	618-0202-1-11	1	CV Guard & Bearing Assembly (Includes Item 19)
13	918-0212-1-5	1	Flex Net & Guard Assembly (Includes Item 19)
14	918-0208-2-4	2	Bearing Ring
15	118-VM-0024-55-5	1	Guard Tube Outer (Includes Item 20)
16	118-VM-0024-55-6	1	Guard Tube Inner
17	118-VM-0024-55-7	1	Guard Cone, 7 Rib (Includes Item 19)
18	918-0208-2-7	2	Restraint Chain
19	918-0208-2-9	10	Screw
20	918-0208-2-8	1	Decal Outer
21	918-0208-1-10	1	Decal Inner
22	618-0202-2-8	1	Reinforcing Collar
23	618-0202-1-10	1	Support Bearing
24	918-0208-1-12	1	Zerk
25	618-0202-2-5	1	Spring Pin, 10 x 90
26	918-0511-1-4	1	Cross & Bearing Kit
27	918-0308-2-6	1	Decal, Lubrication
28	918-0511-1-1-1	1	ASG Collar Kit
29	118-VM-0023-55-1	1	Tractor Half Shaft
30	118-VM-0024-55-2	1	Implement Half Shaft

## REMOTE SCALE MOUNT



KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
0	VMSCM-405180	1	Remote Display Kit RD400 With TR Kit & 33' Cable/Visor	1070/1270/1570
	VMSCM-405200	1	Remote Display Kit RD400 With 33' Cable/Visor	1070/1270/1570
	VMSCM-407227	1	Remote Display Kit RD250 With 25' Cable	1070/1270/1570
1	M9-1-10-0001	1	Remote Scale Mount Bracket Weldment	1070/1270/1570
2	M9-1-10-0002	1	Remote Scale Mount Bracket	1070/1270/1570
3	M9-1-10-0003	1	Remote Scale Mount Belt Gusset	1070/1270/1570
4	58-0010-405180	1	RD4000 Remote Display Kit W/TR-33' Cable/Visor	1070/1270/1570
	58-0010-405200	1	RD4000 Remote Display Kit W/33' Cable/Visor	1070/1270/1570
5	815-2520-Z	4	1/4-20 Nylon Insert Lock Nut	1070/1270/1570
6	851-3816-1Z	8	3/8-16 x 1" Grade 5 Machine Bolt	1070/1270/1570
7	805-0038-Z	6	3/8" Flat Washer	1070/1270/1570
8	810-3816-Z	8	3/8" Spin Lock Nut	1070/1270/1570
9	851-2520-.75Z	4	1/4-20 x 3/4" Grade 5 Machine Bolt	1070/1270/1570
NS	58-0010-1	1	Remote Cable, Y-Harness For Dual Remote	1070/1270/1570 (Optional)

8 & 10 CAPACITY EXTENSIONS



KEY	PART NUMBER	QTY	DESCRIPTION	MODEL
0	FTA-1070-CE-8	1	8" Capacity Extension Assembly	1070
	FTA-1070-CE-10	1	10" Capacity Extension Assembly	1070
	FTA-1270-CE-8	1	8" Capacity Extension Assembly	1270
	FTA-1270-CE-10	1	10" Capacity Extension Assembly	1270
	FTA-1570-CE-8	1	8" Capacity Extension Assembly	1570
	FTA-1570-CE-10	1	10" Capacity Extension Assembly	1570
1	MN11-10-0001	1	8" Capacity Extension Assembly .46"x 8" x 47 FT	1070
	MN11-10-0002	1	10" Capacity Extension Assembly .46" x 10" x 47 FT	1070
	MN11-12-0001	1	8" Capacity Extension Assembly .46"x 8" x 48 FT	1270
	MN11-12-0002	1	10" Capacity Extension Assembly .46" x 10" x 48 FT	1270
	MN11-14-0001	1	8" Capacity Extension Assembly .46"x 8" x 62 FT	1570
	MN11-14-0002	1	10" Capacity Extension Assembly .46" x 10" x 62 FT	1570
2	MN2-10-0006-9	40	Upper Mount Bracket	1070/1270
	MN2-10-0006-9	52	Upper Mount Bracket	1570
3	MN2-10-0006-8	40	Lower Mount Bracket	1070/1270
	MN2-10-0006-8	52	Lower Mount Bracket	1570
NS	814-5013-Z	40	1/2"-13 Center Lock Nut	1070/1270
	851-5013-1.75Z	40	1/2"-13 x 1-3/4" Hex Cap Screw	1070/1270
	805-0038-Z	4	3/8" Flat Washer	1070/1270/1570
	815-3816-Z	2	3/8"-16 Nylon Insert Lock Nut	1070/1270/1570
	851-3816-1.5Z	2	3/8"-16 x 1-1/2" Hex Cap Screw	1070/1270/1570
	814-5013-Z	52	1/2"-13 Center Lock Nut	1570
	851-5013-1.75Z	52	1/2"-13 x 1-3/4" Hex Cap Screw	1570





## 10.0 SPECIFICATIONS

<b>DIMENSIONS</b>	<b>F2-1070</b>	<b>F2-1270</b>	<b>F3-1570</b>
Overall Length	310.87"	313.30"	398.04"
Mixing Chamber Length	224.04"	228.92"	311.2"
Overall Height (Standard Tires)			
- Standard Tire Size (Quantity)	275/70R-22.5	275/70R-22.5	315/80R-22.5
- Optional Tire Size (Quantity)	N/A	N/A	N/A
- Base Machine	136.5"	146.5"	138.7"
- Belt Extensions	143"	153"	145.2"
Transport Width - Front Chain Conveyor			
- Widest Point	119.2"	120.4"	119.2"
Max Discharge Reach			
- Front Cross Conveyor - flat chain	10"	10"	10"
- Front Cross Conveyor - chain incline - 40" / 50"	N/A	N/A	N/A
- Side Slide Tray	N/A	N/A	N/A
Max Discharge Height			
- Front Conveyor - flat chain	N/A	N/A	N/A
- Front Conveyor - chain incline - 40" / 50"	N/A	N/A	N/A

<b>SPECIFICATIONS</b>	<b>F2-1070</b>	<b>F2-1270</b>	<b>F3-1570</b>
<b>Mixer Capacity</b>			
- Cubic Feet- no extensions	980	1120	1460
- Cubic Feet- with extensions	1070	1210	1580
- Maximum Net Load - lbs.	35,000	40,000	52,000
<b>Augers</b>			
- Number	2	2	3
- Diameter	93"	93"	93"
- RPM - Standard / high speed	19/32	19/32	19/32
- Flighting Thickness	3/4"	3/4"	3/4"
- Knives - Adjustable - (Std./Max Avail)	7/10	8/11	7/10
<b>Drive</b>			
- Planetary	In-Live Drive Comer 3003	In-Live Drive Comer 3003	In-Live Drive Comer 3003
- PTO Drive (Standard)	1-3/4" 1000 RPM	1-3/4" 1000 RPM	1-3/4" 1000 RPM
- PTO Drive (Optional)	1-3/8" 1000 RPM	N/A	N/A
- Protection	Torque Limiter	Torque Limiter	Torque Limiter
<b>Discharge</b>			
- Door Opening - Front	46" x 40"	46" x 40"	46" x 40"
- Door Opening - Side	42" x 40"	42" x 40"	42" x 40"
- Door Opening - Rear	46" x 40"	46" x 40"	46" x 40"
- Conveyor Width- Front	36"	36"	36"
- Flat Front Cross Conveyor Length	119"	119"	119"
<b>Tub and trailer Construction</b>			
- Floor Thickness	1"	1"	1"
- Sidewall Thickness	3/8"	3/8"	3/8"
- Trailer or Subframe	Tandem Duals	Tandem Duals	Tandem Duals
- HD Reversible Clevis Hitch	Std.	Std.	Std.
- Articulating Ag Hitch	Opt.	Opt.	Opt.
- Spindle Diameter (quantity)			
- Scale System	4-point	4-point	8-point
- Tongue Weight - % Gross	~10%	~10%	~10%
- Tractor requirement - PTO HP	160	200	250

## MAINTENANCE RECORD

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

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

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**Manufactured by:**

# Meyer Manufacturing Corporation

**674 W. Business Cty Rd A**

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