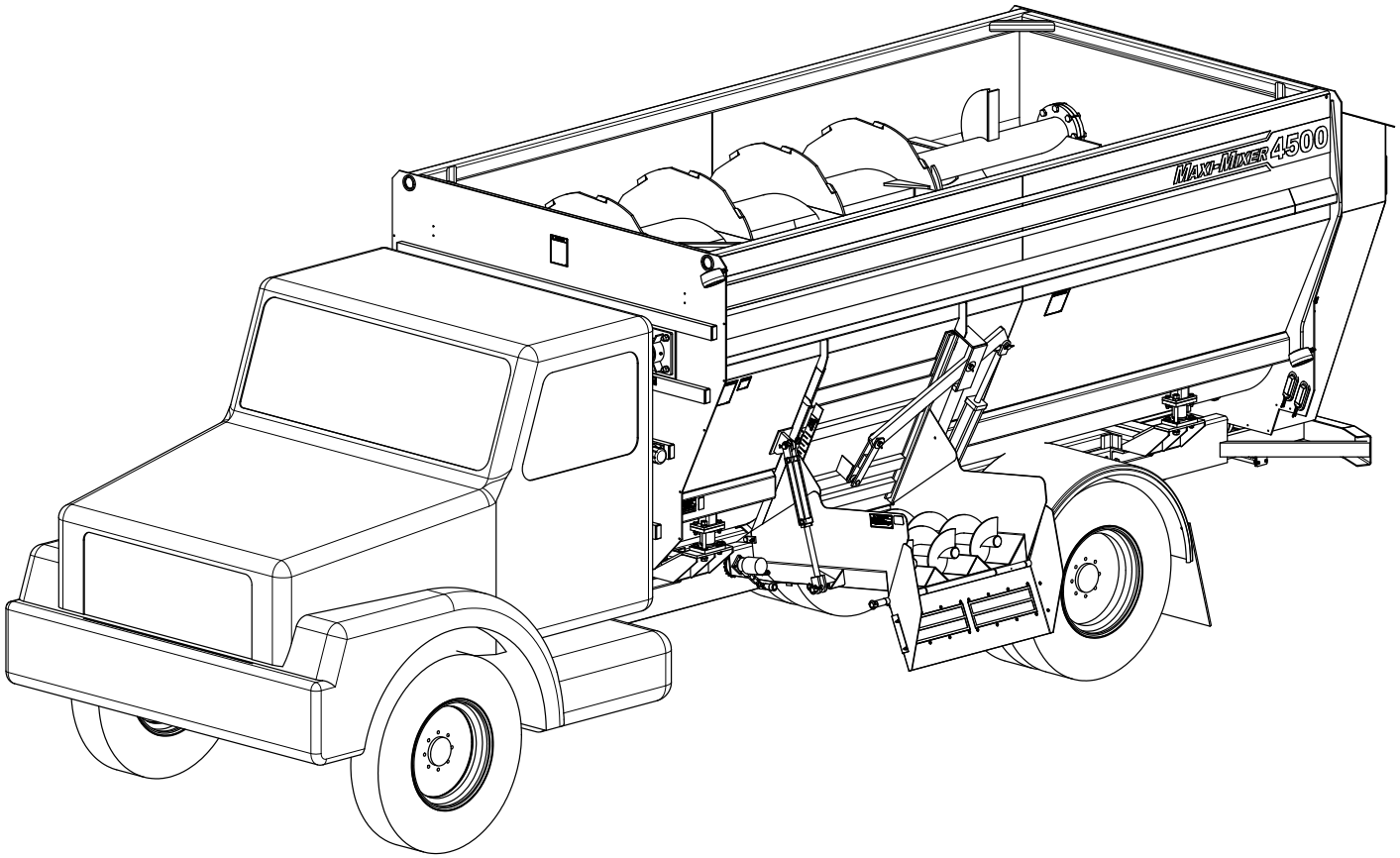
SIOUX AUTOMATION CENTER

MON600160 Rev Q 7/30/21

# MAXI-MIXER 4500 TRUCK OPERATORS MANUAL




OPERATION
REPLACEMENT PARTS

READ complete manual CAREFULLY
BEFORE attempting operation.

877 1st Ave. N.W. | Sioux Center, IA 51250 | Toll Free: 1.866.722.1488 | siouxautomation.com

| REV | DATE | BILL OF MATERIALS | DESCRIPTION |
|---|---|---|---|
| F | 7/30/13 | MON900505, MON900506<br>MON900507, MON900508<br>MON900509, MON900510<br>MON900511, MON900512,<br>MON900837, MON900845<br>MON900847,MON900848<br>MON700793 | UPDATE AUGER DISCHARGES TO REFLECT CHANGES IN HYDRAULIC CYLINDERS<br><br>ADDED COUNTER CLOCK-WISE TOP LH AUGER. |
| G | 1/9/14 | | UPDATED GRAPHICS AND ALL BOM'S |
| H | 7/9/14 | MON900987 & MON900989 | UPDATED GRAPHICS AND ALL BOM'S & ADDED MON900987 & MON900989 FENDER KITS. |
| J | 11/5/14 | MON900490 | ADD MON901004 & MON901004-1 TO SALES OPTIONS |
| K | 1/6/16 | ADD MON901027 CONSOLE KIT | UPDATED GRAPHICS AND ALL BOM'S AND ADDED CONSOLE INFORMATION.<br>ADDED SLAT DISCHARGE BASE ASSY'S |
| L | 4/10/17 | REVIEWED ALL DRAWINGS AND BOM'S AND UPDATED AS NEEDED. | |
| M | 8/28/17 | WARRANTY | UPDATED WARRANTY SHEET |
| N | 1/19/21 | MON900858, MON900501,<br>MON900521 AND MON900516 ON PAGES 48 - 53 | CHG TO HYDROTEK POWER UNIT<br>UPDATE HYD AND ELEC COMPONENTS |
| P | 6/29/21 | SPEC SHEET | UPDATE TRUCK MOUNTED 4500 SPECIFICATION SHEET |
| Q | 7/30/21 | MON701739, MON701730,<br>MON901113 - PAGES 24-32,<br>MON701637, MON901022,<br>MON901981 | UPDATE BASE ASSEMBLY - ADD DOOR KITS<br>ADD SWITCH BOX ASSEMBLIES |

Thank you for purchasing a Maxi-Mixer Truck. We feel you have made a wise choice and hope you are completely satisfied with your new piece of equipment. Your new Maxi-Mixer Truck is a durable, efficient and easy to use unit. Proper care and use will result in many years of service.

**WARNING: TO AVOID PERSONAL INJURY OR DEATH, OBSERVE FOLLOWING INSTRUCTIONS:**

**Never overload mixer. Follow rating of chassis or rating of tires, whichever is less.**

**Ensure that anybody present is clear before applying power to any machinery used in conjunction with mixer or when moving mixer.**

**Never allow anyone in, near, or on mixing chamber during mixing, transporting, or unloading of feed.**

## GENERAL INFORMATION

1. Unless otherwise specified, high-strength (grade5) (3 radial-line head markings) hex head bolts are used throughout assembly of this piece of equipment.

2. Whenever terms **"LEFT"** and **"RIGHT"** are used in this manual it means from a position behind the wagon box and facing forward.

3. When placing a parts order, refer to this manual for proper part numbers and place order by **PART NO. and DESCRIPTION.**

4. Read assembly instructions carefully. Study assembly procedures and all illustrations before you begin assembly. Note which parts are used in each step. This unit must be assembled in proper sequence or complications will result.

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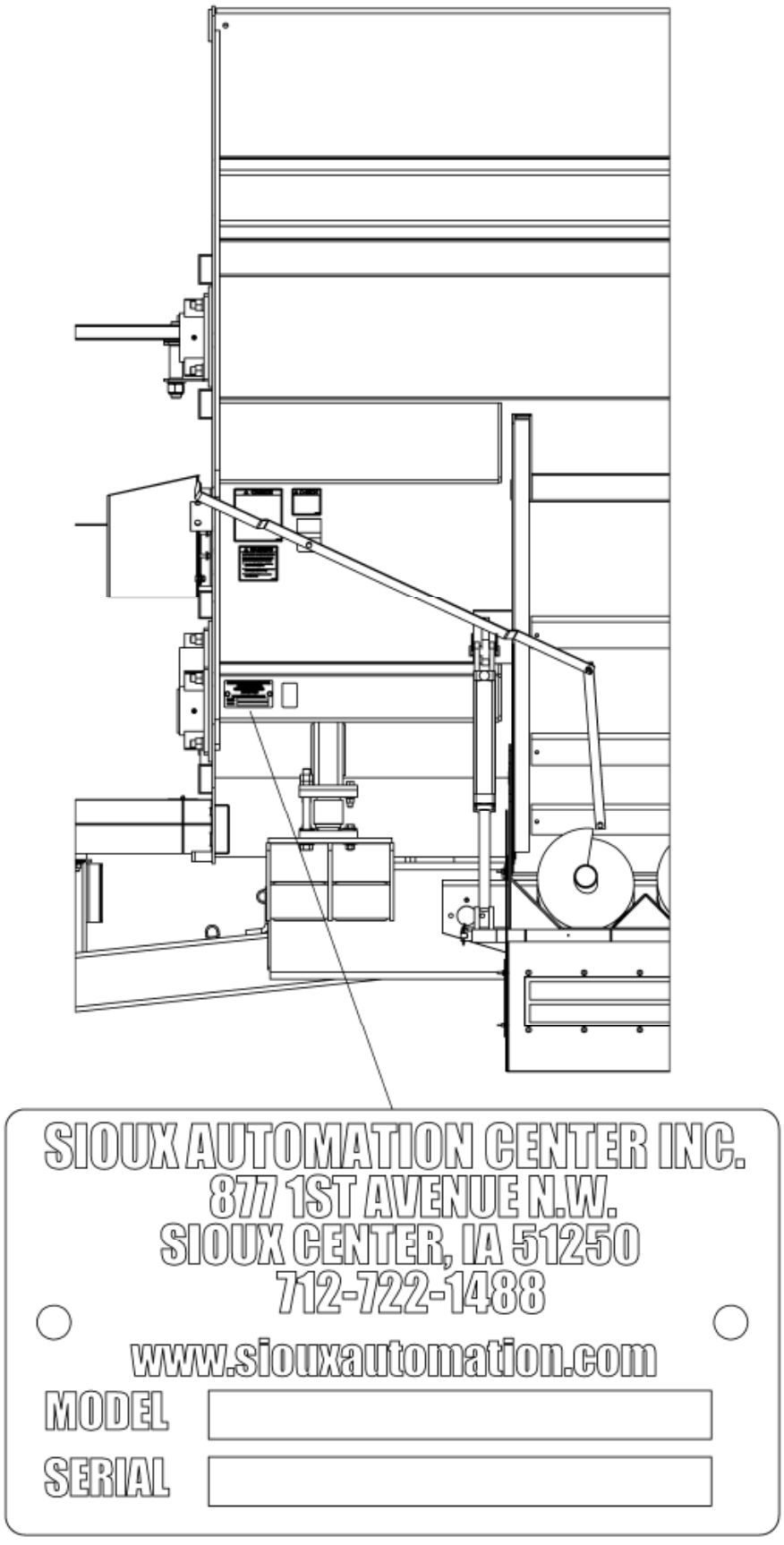
# MODEL AND SERIAL NUMBER IDENTIFICATION

Your model and serial numbers can be located on the front left hand side of the mixer. Please copy this information and write them down inside of this manual. This will allow easy reference if the ordering of parts should become necessary.



# NOTES

# SAFETY: YOU CAN LIVE WITH IT!

**TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH!**

**THIS SYMBOL MEANS**

**ATTENTION**

**BECOME ALERT**

**YOUR SAFETY IS INVOLVED!**

## SIGNAL WORDS

Note: use of following signal words **DANGER**, **WARNING**, and **CAUTION** with safety messages. Appropriate signal word for each has been selected using following guidelines:

### DANGER:

Indicates an imminently hazardous situation that, if not avoided, will result in serious injury or death. This signal word is to be limited to most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

### WARNING:

Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

### CAUTION:

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

# SAFETY...YOU CAN LIVE WITH IT

## EQUIPMENT SAFETY GUIDELINES

Every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, and you yourself, follow them.

In order to provide a better view, certain illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace shield prior to use.

Replace any CAUTION, WARNING, DANGER or instruction safety decal that is not readable or is missing. Location of such decals is indicated in this manual.

Do not attempt to operate this equipment under the influence of alcohol or drugs.

Review safety instructions with all users annually.

Operator should be a responsible adult. DO NOT ALLOW PERSONS TO OPERATE OR ASSEMBLE THIS UNIT UNTIL THEY HAVE READ THIS MANUAL AND HAVE DEVELOPED A THOROUGH UNDERSTANDING OF THE SAFETY PRECAUTIONS AND PROPER OPERATIONAL PROCEDURES.

Do not paint over, remove, or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

Never exceed limits of a piece of machinery. If its ability to do a job, or to do so safely is in question DON'T TRY IT.

## LIGHTING AND MARKING

It is the responsibility of customer to know lighting and marking requirements of the local highway authorities and to install and maintain the equipment to provide compliance with the regulations. Add extra lights when transporting at night or during periods of limited visibility. Lighting kits are available from your dealer or from manufacturer.

## SAFETY SIGN CARE

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replaced parts that displayed safety signs should also display current safety sign.
- Safety signs are available from your distributor, dealer parts department, or the factory.

### How to install safety signs:

- Be sure that installation area is clean and dry.
- Decide on exact position before you remove backing paper.
- Remove smallest portion of split backing paper.
- Align decal over specified area and carefully press small portion with exposed sticky backing in place.
- Slowly peel back remaining paper and carefully smooth remaining portion of decal into place.
- Small air pockets can be pierced with a pin and smoothed out using piece of decal backing paper.

# SAFETY

## TIRE SAFETY

- Failure to follow proper procedures when mounting a tire on a rim can produce an explosion which may result in a serious injury or death.
- Do not attempt to mount a tire unless you have proper equipment and experience to do the job.
- Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should be called to service and/or mount tires.
- Always order and install tires and wheels with appropriate type and load capacity to meet or exceed anticipated weight to be placed on the equipment.

## REMEMBER

**Your best assurance against accidents is a careful and responsible operator. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or manufacturer.**

## BEFORE OPERATION:

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing which may catch in moving parts.
- Always wear protective clothing and substantial shoes.
- It is recommended that suitable hearing and eye protection be worn.
- Operator may come in contact with certain materials which may require specific safety equipment relative to handling of such materials.
- Keep wheel and lug nuts tightened to specified torque.
- Assure that truck tires are inflated to recommended air pressure.
- Give unit a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included in this manual.
- Be sure there are no tools lying on or in equipment.
- Do not use unit until you are sure that area is clear, especially around children and animals.
- Don't hurry the learning process or take the unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Make sure that brakes are evenly adjusted.
- Fasten your seat belt prior to starting the engine.

## DURING OPERATION

- Be aware of bystanders, PARTICULARLY CHILDREN! Always look around to make sure that it is safe to start the engine or to move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- NO PASSENGERS ALLOWED- Do not allow anyone to ride on or inside the mixer at any time!
- Keep hands and clothing clear of moving parts.
- Do not clean, lubricate, or adjust your equipment while it is moving.
- When halting operation, even periodically, set vehicle brakes, disengage PTO, shut off engine, and remove ignition key.
- Be especially observant of the operating area and terrain. Watch for holes, rocks, or other hidden hazards. Always inspect area prior to operation.
  - DO NOT operate near edge of drop-offs or banks.
  - DO NOT operate on steep slopes as overturn may result.
  - Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.
- Pick the most level possible route when transporting across fields. Avoid edges of ditches, gullies, and steep hillsides.
- Be extra careful when working on inclines.
- Maneuver truck at safe speeds.
- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.
- Avoid loose gravel, rocks, and holes; they can be dangerous for equipment operation or movement.
- Allow for unit length when making turns.
- Do not walk or work under raised components or attachments unless securely positioned and blocked.
- Keep all bystanders, pets, and livestock clear of work area.
- Operate truck from operators seat only.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment unattended.
- As a precaution, always recheck hardware on equipment following every 100 hours of operation. Correct all problems. Follow maintenance safety procedures.
- Never hand feed materials into mixer while it is running. Rotating augers inside mixer may not be visible from the loading point, and may cut or grab hands, clothing, or material being loaded, causing severe injury. Always stop the trucks engine before hand loading materials.
- Do not allow operation of this unit by inexperienced or unqualified people. Keep all unqualifed people away from the mixer during operation. Operators of this unit must be alert and use good judgement at all times. Operator should not climb on ladder or any part of the mixer when loading, mixing, or unloading material.

- Be sure the inside of the mixer is clear of any obstruction before operating and that all shields are in place. This includes any truck and driveline shields. Repair or replace any damaged or missing shields. Exposed shafts can grab hands and clothing and cause severe injury or death.

- Use caution when working around the discharge area. Stay clear of power chute & slide tray. These are controlled from the cab and could operate without warning, creating pinch points which could cause severe injury or death. Always stop the truck's engine and remove the trucks ignition key before working close to or near the discharge area.

- Never attempt to release jammed materials or clean materials from any area of the mixer or discharge chute without stopping the engine first. Moving parts can be hidden by materials, and stopped parts can start unexpectedly, causing severe injury. Always disengage the PTO driveline so that the mixer cannot be accidentally turned on before attempting to remove jammed material or to clean.

- Never put arms or feet inside unit, power chute, or near discharge door opening, nor climb on or in the mixer while it is running. NEVER allow anyone to position themselves over or near the top of the mixer while it is running. Rotating augers and sprockets can grab clothing or create pinch points which can cause severe injury or death to the operator or bystanders. Always disengage the PTO driveline, stop the truck engine, and remove the ignition key so that the mixer cannot be accidentally turned on while inspecting, servicing, repairing, or cleaning.

## FOLLOWING OPERATION

- Following operation disengage PTO, set brakes, shut off engine and remove the ignition key.

- Store unit in an area away from human activity.

- Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.

- Do not permit children to play on or around stored unit.

- Make sure all parked machines are on a hard, level surface and engage all safety devices.

- Wheel chocks may be needed to prevent unit from rolling.

## HIGHWAY AND TRANSPORT OPERATIONS

- If equipment is going to be transported on a public highway, always follow state and local regulations regarding safety and auxiliary lighting. Be sure to check with local law enforcement agencies for your own particular regulations. The end user is responsible for federal, state and local vehicle safety regulation compliance (ex: requirements for weight, lighting, etc.).

- Adopt safe driving practices:

  - Always drive at a safe speed relative to local conditions, ensure that your speed is low enough for an emergency stop. Keep speed to a minimum.

  - Reduce speed prior to turns to avoid risk of overturning.

  - Always keep the truck's transmission in gear to provide engine braking when going downhill. Do not coast.

  - ***Do not drink and drive!***

# SAFETY

## HIGHWAY AND TRANSPORT OPERATIONS

- Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
- Use approved accessory lighting, flags and necessary warning devices to protect operators of other vehicles on highway during transport. Various safety lights and devices are available from your dealer.
- Plan your route to avoid heavy traffic.
- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
- Be observant of bridge load ratings. Do not cross bridges rated lower than gross weight at which you are operating.
- Watch for obstructions overhead and side to side while transporting.
- Always operate equipment in a position to provide maximum visibility. Make allowances for increased length and weight of equipment when making turns, stopping unit, etc.

## PERFORMING MAINTENANCE

- Good maintenance is your responsibility. Poor maintenance is an invitation for trouble.
- Make sure there is plenty of ventilation. Never operate engine in a closed building. Exhaust fumes may cause asphyxiation.
- Before working on this machine, stop the vehicle, set brakes, shut off engine and remove ignition key.
- Always use safety support and block wheels. Never use a jack to support machine.
- Always use proper tools or equipment for the job at hand.
- Use extreme caution when making adjustments.
- Follow torque chart in this manual when tightening bolts and nuts.
- Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate skin.
- Openings in skin and minor cuts are susceptible to infection from hydraulic fluid. Without immediate medical treatment, serious infection and reactions can occur.
- When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure.
- Replace all shields and guards after servicing and before moving equipment.
- After servicing, be sure all tools, parts, and service equipment are removed.
- Do not allow grease or oil to build up on any step or platform.
- When replacing bolts, refer to owner's manual.
- Refer to bolt torque chart for head identification marking.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. Manufacturer will not claim responsibility for use of unapproved parts or accessories and other damages as a result of their use.
- If equipment has been altered in any way from original design, manufacturer does not accept any liability for injury or warranty.
- A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.

# BOLT TORQUE

## TORQUE DATA FOR STANDARD NUTS, BOLTS, AND CAP SCREWS.

Tighten all bolts to torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt chart as guide. Replace hardware with same grade bolt.

NOTE: Unless otherwise specified, high-strength Grade 5 hex bolts are used throughout assembly of equipment.

### Torque Specifications

### Bolt Torque for Standard bolts *

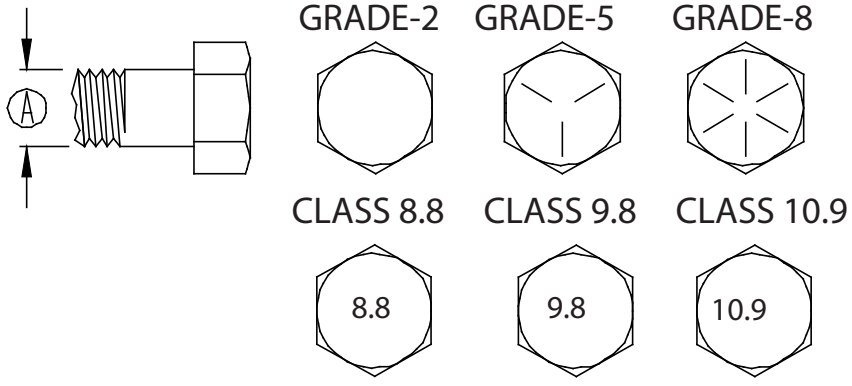
| | GRADE 2 | | GRADE 5 | | GRADE 8 | |
|---|---|---|---|---|---|---|
| "A" | lb-ft | (N.m) | lb-ft | (N.m) | lb-ft | (N.m) |
| 1/4" | 6 | (8) | 9 | (12) | 12 | (16) |
| 5/16" | 10 | (13) | 18 | (25) | 25 | (35) |
| 3/8" | 20 | (27) | 30 | (40) | 45 | (60) |
| 7/16" | 30 | (40) | 50 | (70) | 80 | (110) |
| 1/2" | 45 | (60) | 75 | (100) | 115 | (155) |
| 9/16" | 70 | (95) | 115 | (155) | 165 | (220) |
| 5/8" | 95 | (130) | 150 | (200) | 225 | (300) |
| 3/4" | 165 | (225) | 290 | (390) | 400 | (540) |
| 7/8" | 170 | (230) | 420 | (570) | 650 | (880) |
| 1" | 225 | (300) | 630 | (850) | 970 | (1310) |

### Bolt Torque for Metric bolts *

| | CLASS 8.8 | | CLASS 9.8 | | CLASS 10.9 | |
|---|---|---|---|---|---|---|
| "A" | lb-ft | (N.m) | lb-ft | (N.m) | lb-ft | (N.m) |
| 6 | 9 | (13) | 10 | (14) | 13 | (17) |
| 7 | 15 | (21) | 18 | (24) | 21 | (29) |
| 8 | 23 | (31) | 25 | (34) | 31 | (42) |
| 10 | 45 | (61) | 50 | (68) | 61 | (83) |
| 12 | 78 | (106) | 88 | (118) | 106 | (144) |
| 14 | 125 | (169) | 140 | (189) | 170 | (230) |
| 16 | 194 | (263) | 216 | (293) | 263 | (357) |
| 18 | 268 | (363) | -- | -- | 364 | (493) |
| 20 | 378 | (513) | -- | -- | 515 | (689) |
| 22 | 516 | (699) | -- | -- | 702 | (952) |
| 24 | 654 | (886) | -- | -- | 890 | (1206) |

Torque figures indicated are valid for non-greased or non-oiled threads and heads unless otherwise specfied. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

* GRADE or CLASS value for bolts and capscrews are identified by their head markings.



# MIXER SETUP

To avoid personal injury: The mixer floor may be slippery and the augers and reel can spin unexpectedly when stepped on. Use caution when stepping or standing inside the unit, place a protective cover over the augers when work inside the box is required.

## MIXER RUN-IN

A. Before Starting:
- •Check oil level and condition in the supply tank of the planetary gearboxes.
- •Be sure all shields are properly in place.
- •Cycle the unloading door and conveyor several times to fully charge the hydraulic system with oil.
- •Be sure that the augers can turn freely.
- •Check for debris and/or any other items that could block or affect machine operation.
- •Be sure that drain plugs are installed and the door is closed.
- •Top off the hydraulic oil reservoir if required.

B. Test run the mixer.
- Make sure mixer is empty, then start the mixer.
- Run for at least five minutes at recommended RPM.
- Raise and lower the door and operate the conveyor/slide tray several times.
- Disengage the mixer and turn off the truck engine and remove the ignition key.
- Check the mixer drive components to be sure they are not abnormally hot.

C. After operating for ½ hour:
- •Check that all bolts and fasteners are all tightened properly. (See Torque Spec.)
- •Check that all wheel nuts are tight.
- •Check the augers. Remove all string, twine, or other entangled material.
- •Check that no hoses are pinched, rubbing, or being crimped. Re-align as required.
- •Check for oil leaks. Stop leaks before continuing.
- •Lubricate all grease fittings.

D. After operating for 5 hours and 10 hours:
- •Re-torque all wheel nuts, fasteners, and hardware.
- •Check the augers and reel. Remove all string, twine, or other entangled material.
- •Proceed with normal servicing and maintenance schedule as defined in the Maintenance Section.

E. After operating 50-100 hours:
- Change suction filters to remove initial contaminants.
- Change the Auxiliary filter.
- Change the hydro filters

**If any of these items are not running as indicated, immediately repair or contact your service representative.**

## ELECTRONIC SCALES

- Scale Indicator: Refer to the electronic scale operators manual for adjustment information. The operator's manual for the Electronic Scales should be kept with this manual. Additional scale manuals may be obtained through Sioux Automation Center, Inc.

- Load Cells: Should be kept clean and dry to ensure dependability. DO NOT POWERWASH!

- Normal Scale Activity: Some warm up scale "drift" may occur after the scale is turned on but should zero balance within 10-15 minutes. Scale may zero shift over night due to temperature changes.

# MIXER OPERATION

Always refer to Equipment Safety Guidelines & Before Operation sections of this manual before operating this mixer.

## GENERAL

- The Turbo-Max Mixer was designed for blending dairy and beef rations. Most commonly used ingredients, including limited amounts of dry stem hay, can be mixed quickly and uniformly in this mixer. If you have questions regarding your feed ration or have other applications, please contact Sioux Automation Center, Inc.

- Mixing performance can vary greatly according to the differences in materials, loading sequence, mixing speed, and unloading methods.

## SAFETY

- When the mixer is in operation it has many moving parts which could cause severe injury or death to persons coming in contact with these parts. To help avoid serious accidents, please read and understand this manual.

## LIMITATIONS

- **Do not load hay without** other dry commodities in the mixer first to act as a carrier or "lubricant".

- **Do not overload hay content**, Sioux Automation Center Inc. recommends up to 15%-20% of hay by weight in the load. Exceeding this percentage can decrease mixing performance or could potentially damage mixer and cause premature wear on driveline components.

## WARNINGS

- **Do not use tough hay** (20%-60% moisture) Always used cured, dry hay. Wet hay, foreign objects or overloading may cause binding and damage to the mixer.

- **Keep in mind the overall size of the mixer** to allow clearance through doorways.

## MIXING TIME

- The mixer can mix an average load in 3 to 5 minutes. Due to this short mixing time, there is normally no reason to run the mixer during loading except to level the materials.

## MIXING SPEED

- When deciding when and how fast to operate the mixer, factors such as ingredients being used, the thoroughness of the mix, and the time available to mix must be considered. Normal mixing speed is 3/4 to full PTO speed.

- Do not exceed rated PTO speed. When the mixer is operated faster than rated PTO speed the strain on the drive train and mixer is greatly increased.

## FILL LEVEL

- **Do not overload the mixer!** Overloading causes excessive horepower requirements, increased strain on the mixer driveline and poor mixer performance.

## HAY QUALITY

- **Always use cured dry hay.** Tough hay can cause wrapping, binding and damage to the mixer and can adversely effect the mixing performance. The following are some examples that contribute to tough hay conditions: high moisture content, high grass content, high density bales,outdoor storage, use of hay preservatives, and excessive stem length.

## MATERIAL THAT CAN BE LOADED DIRECTLY INTO THE MIXER

- Many different kinds of materials can be mixed with the Turbo-Max Mixer, but each kind of material has its own unique characteristics.

- **FORAGES**- Chopped hay, corn silage, and finely chopped crop residue can be mixed in the mixer. Wet and heavy forages added in large volumes may require more power to mix.

- **GRAINS**- Ground, rolled, flaked, and whole cereal grains, minerals, and concentrates, are all very easily mixed, and can improve the mixing performance of the other materials.

- **LIQUIDS**- Supplements and liquid fat can be blended in the mixer. Some operators prefer adding liquids into the empty mixer, and others add liquids on top of grains or roughage. Sticky liquids such as molasses tend to increase the power requirements.

## MATERIALS REQUIRING PREPARATION

- The following feed materials require preparation or processing to be mixed in the Turbo-Max Mixer:
  - ALL LONG AND UNCURED GRASSES
  - ROUND BALES, LARGE SQUARE BALES
  - SMALL SQUARE BALES

## LOADING AND MIXING

- **Prior to loading, check mixer for foreign objects and be sure the door is fully closed.**

1. **Load Commodities**
   - Adding ingredients like corn, soybean meal, cottonseed, etc. will act as a carrier or "lubricant" if hay is included in the ration.
   - If there are few commodities in the ration, substituting corn silage or haylage is preferred.
   - Fill mixer between 1/3-1/2 full by volume in commodities and forage before adding the hay to the ration. This will allow enough room for the hay to expand and bring feed level up so the top auger can assist in processing.
2. **Load Hay**
   - Load processed hay. With the mixer running at 3/4 to full PTO speed, proceed loading the small square bale pieces or tub ground hay into the mixer. Do not exceed 15%-20% of hay by weight.
3. **Finish Loading Commodities**
   - Finish loading any other ingredients to complete the ration in order of least binding ingredient to most binding. Example: dry commodities first, corn silage second, haylage last.
4. **Finish Loading Wet Commodities**
   - Any other wet feeds may be added at this time.
5. **Add Liquid Ingredients**
   - If ration includes water, add it last. Adding water at the beginning will cause the hay to bind.

## UNLOADING

- After the ration has been thoroughly mixed, open the mixer door to begin unloading. The combination of the discharge door opening and the mixer speed determines the flow of feed from the mixer. The door must be opened far enough to prevent separation of materials.

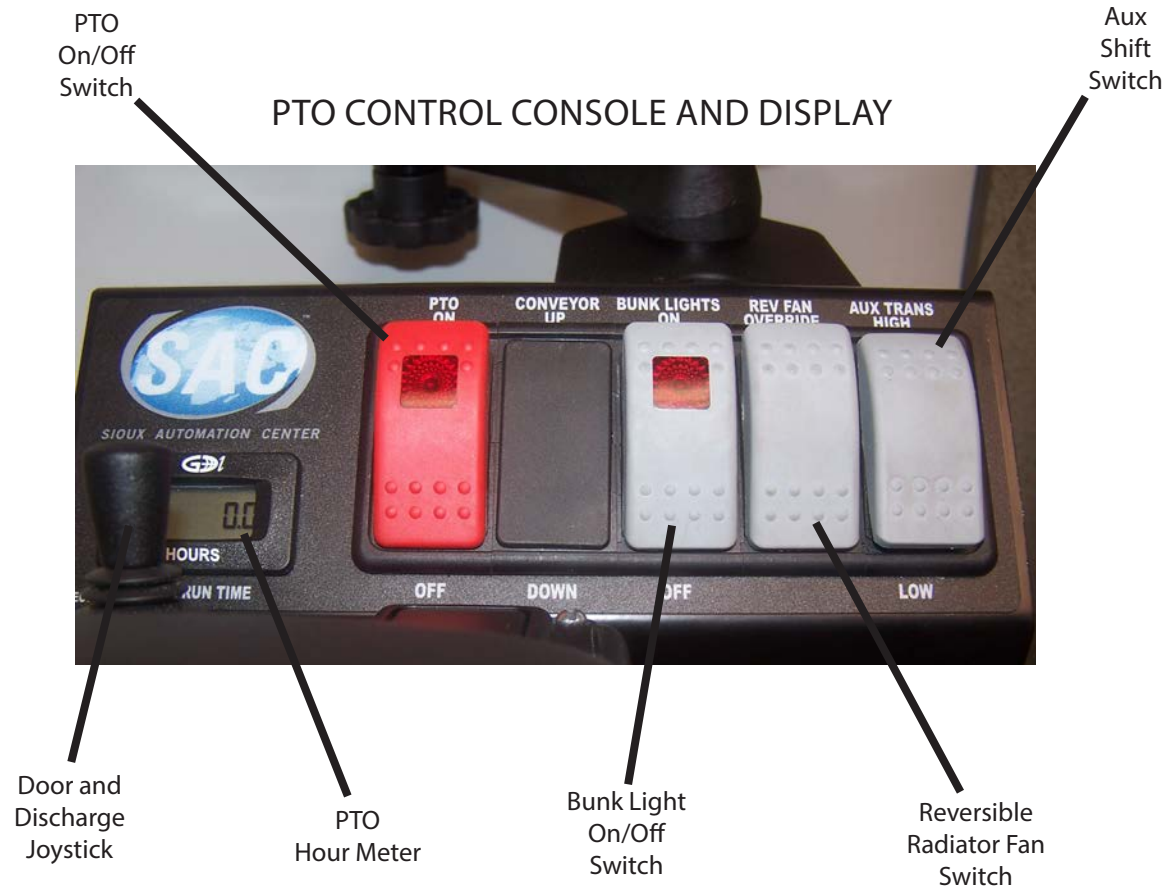
- The Turbo-Max Mixer is equipped with a slide tray to assist in the delivery of feed. The tray height is adjusted with hydraulic cylinders.

# CONTROL CONSOLE AND DISPLAY

Located beside the truck driver's seat is the control console. The control console houses all of the main control switches necessary to operate the machine. Most machine configurations have the following switches and arrangements. Arrangements can vary according to chassis setups.

# CONTROL CONSOLE AND DISPLAY

PTO CONTROL CONSOLE AND DISPLAY




**The auxiliary shift switch** is used to change the gear range of the auxiliary transmission of the truck chassis (If so equipped). To avoid loss of drive the shift switch should only be used when the vehicle is at a stand still with the transmission in the NEUTRAL position.

**DO NOT ATTEMPT TO CHANGE THE AUXILIARY TRANSMISSION WHILE IN MOTION!**

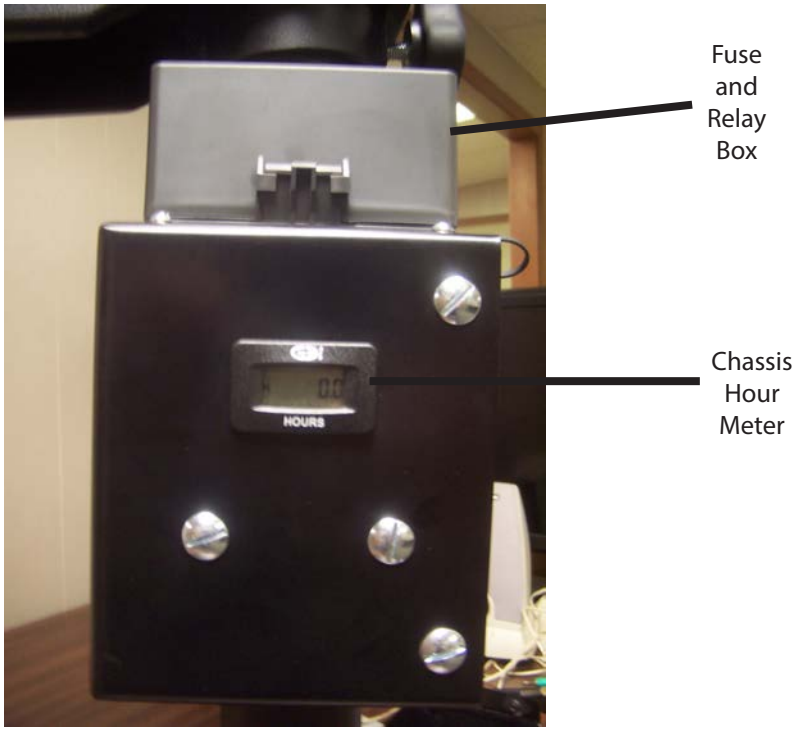
**The reversible radiator fan overide switch** can be used at any time. The radiator fan is set to reverse itself at a predetermined time interval to help eleviate excess dust and debris buildup on the radiator. This button allows the operator to reverse the airflow on the radiator and should be used if there is a noticeable increase of dust or debris on the radiator or if there is a spike in the engine water temperature.

**The hour meter** registers how many hours the PTO is in operation.

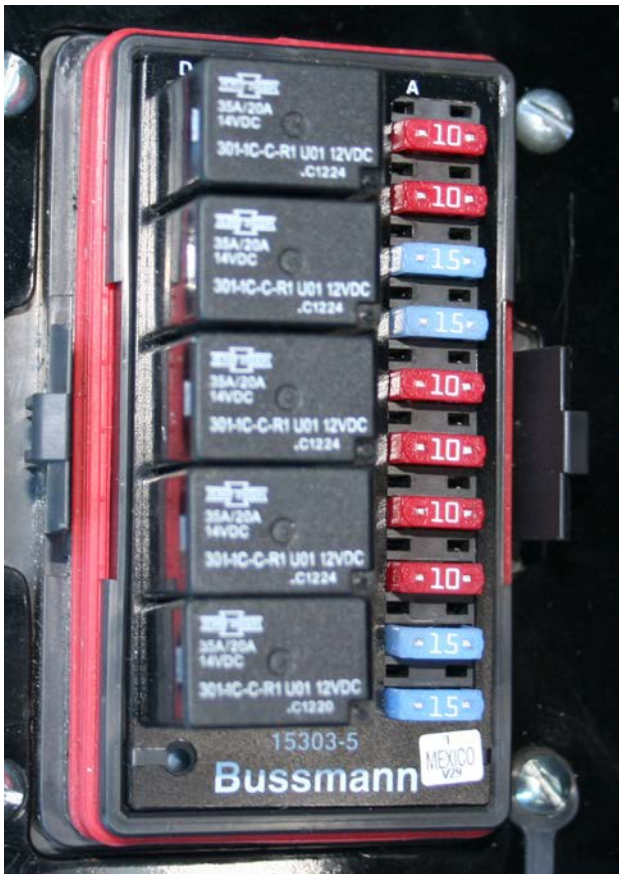
**The bunk light switch** is an on-off switch that controls the flip chute and rear bumper lights.

# CONTROL CONSOLE AND DISPLAY

**The door control joystick** controls both the feed door and the flip chute (if so equipped).



## FUSE PANEL RELAY AND FUSE POSITIIONS




| POSITION TOP TO BOTTOM | RELAY |
|---|---|
| 1 | CONTROL PEDESTAL REVERSIBLE FAN |
| 2 | BUNK LIGHT |
| 3 | PUMP CONTROL/PTO CONTROL |
| 4 | 3 SPEED DROP BOX |
| 5 | OIL FAN / AUX POWER |

| POSITION TOP TO BOTTOM | FUSE / AMPERAGE |
|---|---|
| 1 | SCALE POWER / 10A |
| 2 | CONTROL PEDESTAL REVERSIBLE FAN / 15A |
| 3 | BUNK LIGHT / 10A |
| 4 | PUMP CONTROL / PTO CONTROL / 15A |
| 5 | 3 SPEED DROP BOX / 10A |
| 6 | OIL FAN / AUX POWER / 15A |
| 7 | SPARE FUSE / 10A |
| 8 | SPARE FUSE /10A |
| 9 | SPARE FUSE /15A |
| 10 | SPARE FUSE /15A |

# NORMAL SERVICE AND MAINTENANCE

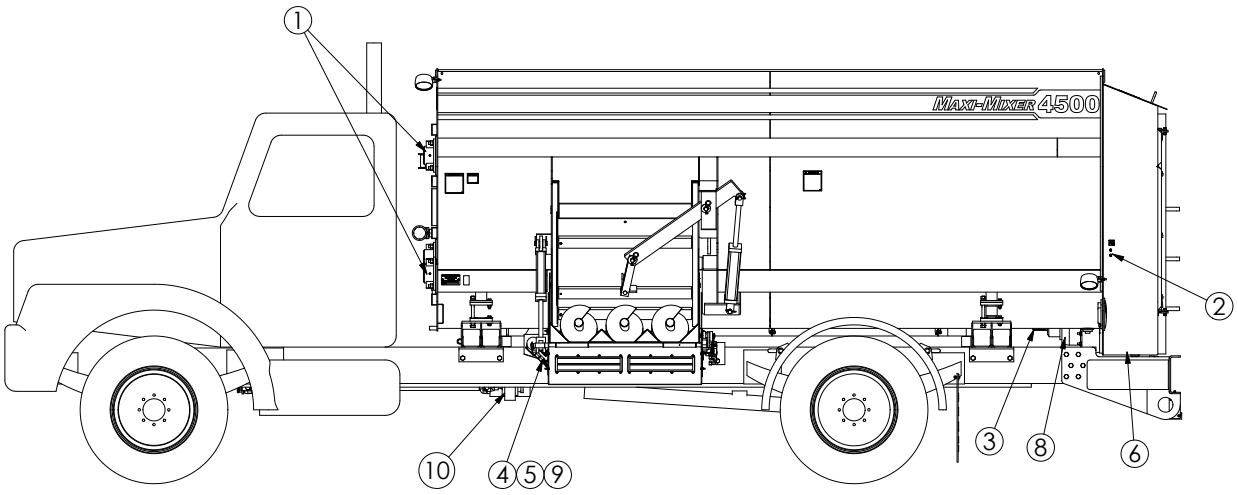
**IMPORTANT! READ BEFORE OPERATING MIXER.**

## INSPECT AND ADJUST

- **Augers** for residue buildup. Clean augers will result in a faster and more efficient mixing of commodities. Check augers and clean off residue buildup regularly.
- **Roller Chain Tighteners** so they apply sufficient spring tension to keep roller chains running smoothly. The chain will form grooves in the tightener blocks. These grooves help to keep the chains in proper alignment, and the blocks need not be turned unless the roller portion of the chain has worn into the block.
- **Roller Chains** for wear, proper alignment and tension. Adjust or replace if necessary. Roller chain connector links which pass over polyethylene tightener blocks must have the legs of the cotter pins trailing to the direction of rotation.
- **Safety Decals** for readability. If any safety decals are removed, obstructed, or otherwise not understandable, they should be replaced immediately. Keep all decals clean and visible.
- **Safety Shielding** to be sure all shielding is in place and functions properly. Replace all damaged or missing shielding immediately - see parts pages for more information.
- **Bolts and Set Screws** after a few hours of use and each month thereafter. Tighten if necessary.
- **Lower Auger Knives** for wear and replace as needed.
- **Rear Nylon Thrust Washer** (located on lower augers between weldment and back wall of mixer inside of the mixing chamber) should be checkd for wear periodically. The washer measures .25 thick when new.
- **Wheel Bolts** must be kept properly torqued. Damage to the rim may occur if the wheel bolts are not checked frequently.
- **Rain can accumulate** in the mixer if it is stored outside. If rain has accumulated, remove the drain plugs on the mixer bellies and allow the water to drain completely and replace the drain plugs before the next use.
- **In Freezing Weather** the mixer should be checked for snow and ice accumulation before operating the unit. If accumulation is detected, remove the drain plugs on the mixer bellies and thaw the mixer and allow it to drain completely. Make sure all obstructions are removed then replace the drain plugs before the next use of the mixer.
- **IMPORTANT! WHEN WELDING ON THIS UNIT:** Do NOT allow the current to flow through the bearings, roller chains, or load cells. Ground directly to the item being welded. ALWAYS disconnect battery cables and also the load cell cables from the scale indicator before welding.

# LUBRICATION

- **The operator is responsible for routine maintenance and must carry out the following activities.**
- **It is extremely important that the following lubrication schedule be followed:** Bearings: use a good quality multipurpose grease. Replace all damaged or missing grease zerks immediately. Always clean zerks before using grease gun. Pump the grease in slowly until a slight bead forms around the bearing seals. Once a month check lines and connections on grease banks for leaks.
- **Oilbath Oil:** Use a good high quality universal oil. Use an oil that meets or exceeds hydraulic oil grade. Fill to a level that is just above the lowest roller chain link in the oilbath. Change yearly or whenever contaminated.
- **Planetary Oil:** After a brief operating period of about 100 hours (breaking in), change the oil in the gear units. Check that there are no metallic parts with unusual dimension in the magnetic plug of the gear unit. Change the oil in the gear unit while it is hot so that it is easier to drain. Subsequent oil changes will be made every 1000 hours of operation or, in any case, each year. Use synthetic ISO MOBIL SCH629 oil. (or equivalent ISO VG 220 gear oil) **DO NOT MIX OILS!** Periodically check the levels (about once a month) and top off if necessary. It is recommended to keep a chart that will be duly filled out and updated each time maintenance is performed. For long periods out of service, completely fill planetary with oil to prevent gears and bearings from corrosion.
- **Planetary Oil Change Instructions:** The planetary is equipped with oil level, breather, filler and drain plugs and their position changes according to the installation configuration. Unscrew the drain plug and the filler plug to help drain the oil from the gear unit. Once the oil has been emptied, replace the drain plug.
- **Filling instructions:** Unscrew the level and filler plugs and add gear oil (approximately 7 pints) until the oil flows out of the oil level hole. Replace the plugs. Turn the gear unit a few times to eliminate any air pockets and then check the level again.
- **Before operating a new mixer,** the roller chains should be liberally lubricated and then the unit operated under a no-load condition. This break-in period will allow the roller chains to be thoroughly lubricated and thus minimize heat-up during operation.




| LUBRICATION | | | | |
|---|---|---|---|---|
| ITEM | LUBRICATION INTERVAL | CAPACITY | OIL TYPE | LOCATION |
| 1 | 8 HOURS | | HIGH QUALITY MULTI PURPOSE GREASE | FRONT AUGER BEARINGS |
| 2 | 8 HOURS | | | REAR AUGER BEARINGS |
| 3 | 8 HOURS | | | DRIVELINE UNIVERSAL JOINTS |
| 4 | 8 HOURS | | | DISCHARGE BEARINGS (IF APPLICABLE) |
| 5 | 20 HOURS | | CHAIN LUBE | DISCHARGE CHAINS (IF APPLICABLE) AND PIVOTS |
| 6 | 50 HOURS | APPROX. 12 GALLONS | GOOD QUALITY HYDRAULIC OIL | OIL BATH OIL CHECK LEVEL (REPLACE ANNUALLY) |
| 7 | 1000 HOURS | 1000 HOURS | ISO 46 HYDRAULIC OIL OR EQUIVALENT | HYDRAULIC OIL CHECK LEVEL (REPLACE ANNUALLY) |
| 8 | 1200 HOURS | 7 PINTS | MOBIL SCH629 OR EQUIVALENT | PLANETARY (SEE PLANETARY NOTES) |
| 9 | ANNUALLY | APPROX. 2 GALLONS | DEXTRON III OIL | SLIDE TRAY POWER UNIT |
| 10 | ANNUALLY | 1.5 PINTS | 80W90 GEARLUBE | 2:1 GEARBOX |

# PLANETARY NOTES

## LUBRICATION

- The first oil change should be made after approximately 50-100 working hours. Before filling the gear case again, flush it with a fluid recommended for this purpose by the lubricant manufacturer. The oil should be changed when warm to prevent build up of sludge deposits. In cases of a heavy duty cycle (high loads, shocks, harsh environment) even shorter intervals should be kept between changes. Contact the manufacturer for more information.

- It is advisable to check the oil level at least once per month. If more than 10% of total oil capacity has to be added, then check for oil leaks. Do not mix oils of different types For wide temperature ranges, synthetic lubricants are recommended with EP additive (minimum viscosity index of 165, viscosity class VG 150 or VG320). Never mix mineral and synthetic oils. Failure to comply with these recommendations may result in premature wear and/or failure of the gear reducer or its components.

## MAINTENANCE

- Periodically check to see that the bolts are properly torqued and the plugs (breather, sight, magnetic, and plain) are seated. While checking the breather, also make sure that it is free from debris. If necessary, remove the breather and flush it out with a cleaning solvent. Check the magnetic plugs and clean on a regular basis (normally performed during oil changes). Under normal operation of the gear reducer, the magnetic plugs will collect very fine particulates especially during the initial break-in period. If you should notice heavy deposits, contact the manufacturer or supplier.

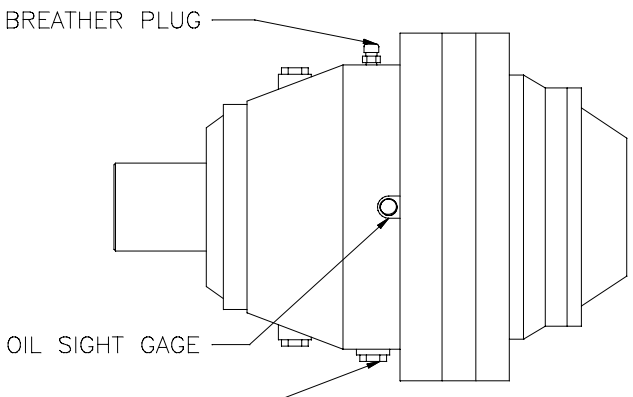
- It is also advisable to make sure the gear reducer maintains proper alignment with the components directly involved with its operation. If the machine is stopped for a long period (two months or longer), it is necessary to rotate the input every couple weeks to lubricate the gears and bearings to protect them from corrosion. For longer periods out of service, the gear case should be completely filled with oil.

## OIL SPECIFICATION

- **Oil Type:** Any oil, which meets EP (Extreme Pressure) Gear Lubricant Specification. EP 80 to 90 WT gear lube, Viscosity Index of 93 and a viscosity of 780 @ 100°F SUS and 76.7 @ 210° F SUS is recommended. Unit is filled with Mobil SHC629 synthetic at the factory.

- **Oil Change:** After initial 50 hours, thereafter every 1200 hours or 6 months, which ever comes first. These intervals may be modified depending on the actual operatinig conditions. If used on seasonal equipment, it is recommended that the oil be changed at the end of each season to remove moisture and corrosive contaminants.

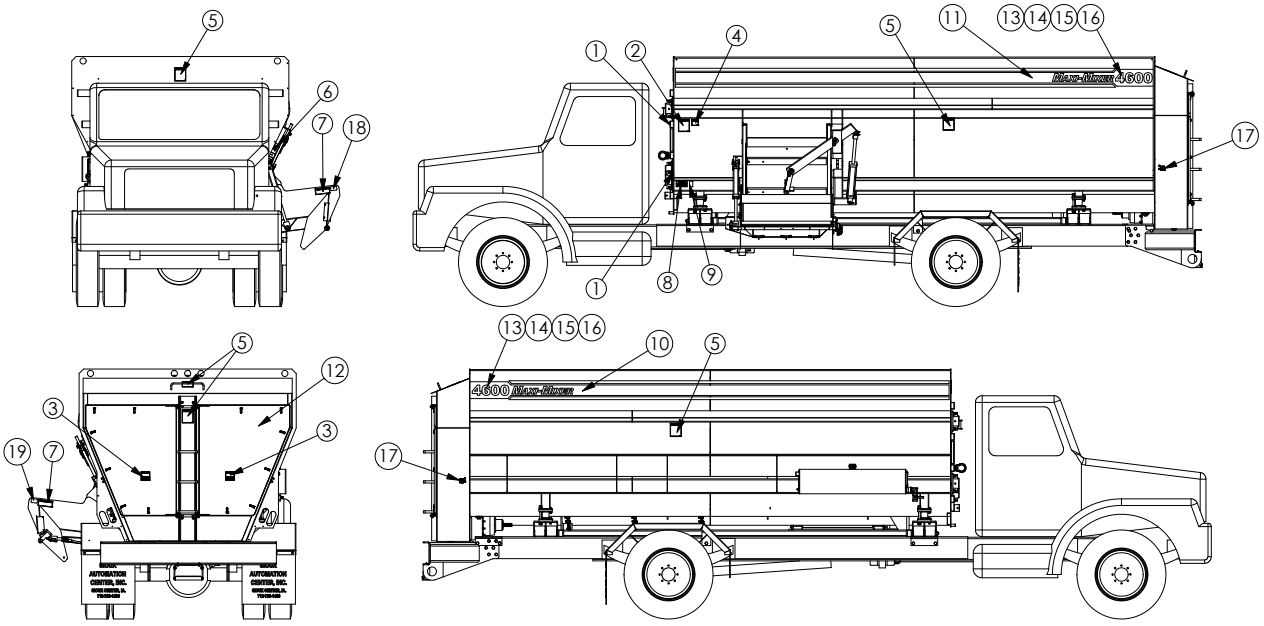
- **Oil Fill Level:** Unit should be filled so that oil is visible in the sight gage mounted on the side, approximately half way up. If there is no sight gage the unit should be filled approximately half full, which can be checked by taking out the plug located on the side of the planetary, and filling until oil comes out.



PLANETARY

# DECAL LOCATION

**Types of decals and safety signs with locations are shown in illustration below. Good safety requires that you familiarize yourself with the various decals, type of information provided, and the areas that require your awareness.**




| ITEM # | 4500 QTY. | 4600 QTY | 4700 QTY | 4900 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|---|---|
| 1 | 6 | 6 | 6 | 6 | DEC102 | DECAL,GRS,GUN,PICTURE |
| 2 | 1 | 1 | 1 | 1 | DEC106 | DECAL,CAUTION,MAN,OWNER,5,6 |
| 3 | 2 | 2 | 2 | 2 | DEC107 | DECAL,WARNING,CHAIN,EXPOSED |
| 4 | 1 | 1 | 1 | 1 | DEC109 | DECAL,CAUTION,WLD,3,3 |
| 5 | 5 | 5 | 5 | 5 | DEC111 | DECAL,DANGER,AUGER,5,6 |
| 6 | 1 | 1 | 1 | 1 | DEC114 | DECAL,DOOR,OPEN/CLOSE |
| 7 | 2 | 2 | 2 | 2 | DEC322 | DECAL,WARNING CHUTE AREA |
| 8 | 1 | 1 | 1 | 1 | DEC375 | DECAL,MODEL,SERIAL,SAC,2.75,5 |
| 9 | 1 | 1 | 1 | 1 | DEC393 | DECAL,FEMA,1.5,2.5 |
| 10 | 1 | 1 | 1 | 1 | DEC458 NOTE 1 | DECAL,4AUG,8.5,215.33,CS |
| 11 | 1 | 1 | 1 | 1 | DEC459 NOTE 1 | DECAL,4AUG,8.5,215.33,SS |
| 12 | 1 | 1 | 1 | 1 | DEC626 | DECAL,SAC,LOGO,GLOBE |
| 13 | 2 | - | - | - | DEC483 NOTE 1 | DECAL,MAXI,4500,WHITE |
| 14 | - | 2 | - | - | DEC484 NOTE 1 | DECAL,MAXI,4600,WHITE |
| 15 | - | - | 2 | - | DEC485 NOTE 1 | DECAL,MAXI,4700,WHITE |
| 16 | - | - | - | 2 | DEC460 NOTE 1 | DECAL,MAXI,4900,WHITE |
| 17 | 1 | 1 | 1 | 1 | STI702174 | REFLCTR,RECT,AMBER |
| 18 | 1 | 1 | 1 | 1 | STI702175 | REFLCTR,RECT,RED |

NOTE 1: FOR UNITS WITH IMPLEMENTATION DATES PRIOR TO JUNE 2010, PLEASE REFER TO THE FOLLOWING REVISIONS TO THE DECAL BOM:

| 4500 QTY. | 4600 QTY | 4700 QTY | 4900 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | DEC458 | DECAL,4AUG,8.5,215.33,CS |
| 0 | 0 | 0 | 0 | DEC459 | DECAL,4AUG,8.5,215.33,SS |
| 0 | - | - | - | DEC483 | DECAL,MAXI,4500,WHITE |
| - | 0 | - | - | DEC484 | DECAL,MAXI,4600,WHITE |
| - | - | 0 | - | DEC485 | DECAL,MAXI,4700,WHITE |
| - | - | - | 0 | DEC460 | DECAL,MAXI,4900,WHITE |

| 4500 QTY. | 4600 QTY | 4700 QTY | 4900 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|---|
| 2 | 2 | 2 | 2 | DEC154 | SAC,LOGO,20.5H,24W |
| 1 | 1 | 1 | 1 | DEC158 | DECAL,MAXI,6,108,RH |
| 1 | 1 | 1 | 1 | DEC159 | DECAL,MAXI,6,108,LH |
| 2 | - | - | - | DEC275 | DECAL,MAXI,4500,BLACK |
| - | 2 | - | - | DEC268 | DECAL,MAXI,4600,BLACK |
| - | - | 2 | - | DEC276 | DECAL,MAXI,4700,BLACK |
| - | - | - | 2 | DEC281 | DECAL,MAXI,4900,BLACK |

# MON901113 4500 BASE ASSEMBLY

NOTE: USE BASE ASSEMBLY MON901113 FOR
UNITS BUILT AFTER SERIAL NUMBER N08748

| ITEM # | MON 901113-1 QTY | MON 901113-2 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 3 | 3 | BLT10X30MM | 10MMX30MM BOLT |
| 2 | 12 | 12 | BLT12X7NF | 1/2X7 G8 BOLT |
| 3 | 4 | 4 | BLT34X2NC | 3/4X2 BOLT |
| 4 | 4 | 4 | BLT34X2NF | 3/4X2 G8 BOLT |
| 5 | 20 | 20 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 6 | 40 | 40 | BLT34X234NC | 3/4X2-3/4 BOLT |
| 7 | 2 | 2 | BLT516X34CNC | 5/16X3/4 CARRIAGE BOLT |
| 8 | 4 | 4 | BURN12000305 | 4.5 SPROCKET RETAINER DISK |
| 9 | 2 | 2 | DEC107 | CHAIN EXPOSED WARNING |
| 10 | 1 | 1 | DEC111 | AUGER DANGER |
| 11 | 1 | 1 | DEC375 | MODEL/SERIAL # PLATE |
| 12 | 1 | 1 | DEC393 | FEMA DECAL |
| 13 | 1 | 1 | DEC626 | SAC LOGO |
| 14 | 1 | 1 | HYDPMC9112 | HYDRAULIC CYLINDER |
| 15 | 4 | 4 | MON101847 | BEARING SLEEVE |
| 16 | 2 | 2 | MON101848 | BEARING SLEEVE |
| 17 | 4 | 4 | MON101853 | PLASTIC DISK |
| 18 | 4 | 4 | MON101854 | PLASTIC DISK |
| 19 | 2 | 2 | MON101874 | 140-H ROLLER CHAIN |
| 20 | 1 | 1 | MON101875 | 100-H ROLLER CHAIN |
| 21 | 1 | 1 | MON101896 | PLANETARY DRIVE |
| 22 | 12 | 12 | MON102032 | SPACER |
| 23 | 1 | 1 | MON102073 | DOOR PIVOT ARM |
| 24 | 4 | 4 | MON102147 | BEARING SEAL |
| 25 | 2 | 2 | MON102437 | STAINLESS STEEL FLANGE |
| 26 | 2 | 2 | MON102490 | BEARING SLEEVE |
| 27 | 2 | 2 | MON102491 | STEEL DISK WITH LOBES |
| 28 | 6 | 6 | MON102492 | PLACTIC DISK |
| 29 | 2 | 2 | MON102493 | STEEL DISK |
| 30 | 2 | 2 | MON102494 | STEEL DISK |
| 31 | 1 | 1 | MON103244 | 100-H ROLLER CHAIN |
| 32 | 2 | 2 | MON104592 | STEEL DISC WITH LOBES |

| ITEM # | MON 901113-1 QTY | MON 901113-2 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 33 | 1 | 1 | MON700791 | BOTTOM AUGER |
| 34 | 1 | 1 | MON700794 | TOP RH AUGER |
| 35 | 1 | 1 | MON700811 | AUGER SHAFT WELDMENT |
| 36 | 1 | 1 | MON700812 | AUGER SHAFT WELDMENT |
| 37 | 1 | 1 | MON700816 | 140-2 SPROCKET |
| 38 | 2 | 2 | MON700817 | 140 SPROCKET |
| 39 | 1 | 1 | MON700818 | 100 SPROCKET |
| 40 | 2 | 2 | MON700820 | TOP RH SPROCKET |
| 41 | 2 | 2 | MON700821 | AUGER FLANGE WELDMENT |
| 42 | 3 | 3 | MON700822 | IDLER ARM |
| 43 | 1 | 1 | MON700823 | CHAIN IDLER ARM |
| 44 | 1 | 1 | MON700835 | FLANGE BEARING |
| 45 | 4 | 4 | MON700836 | FLANGE BEARING |
| 46 | 1 | 1 | MON700837 | FLANGE BEARING |
| 47 | 1 | 1 | MON700840 | SPROCKET |
| 48 | 1 | 1 | MON700907 | DISCHARGE DOOR |
| 49 | 1 | 1 | MON700908 | DOOR LINKAGE ARM |
| 50 | 2 | 2 | MON701059 | FLANGE BEARING |
| 51 | 1 | 1 | MON701260 | TOP LH AUGER |
| 52 | 1 | 1 | MON701270 | BOTTOM RH AUGER |
| 53 | 1 | 0 | MON701732-1 | 4500 BODY WLD W/ SS LINER |
| 54 | 0 | 1 | MON701732-2 | 4500 BODY WLD |
| 55 | 1 | 1 | MON800308 | END CAP |
| 56 | 1 | 1 | MON800531 | MANUAL CANISTER |
| 57 | 380 | 380 | MON800576 | WEATHERSTRIP |
| 58 | 12 | 12 | NUT12NF | 1/2" NUT |
| 59 | 32 | 32 | NUT34LOCKNC | 3/4" LOCK NUT |
| 60 | 32 | 32 | NUT34NC | 3/4" NUT |
| 61 | 8 | 8 | NUT38NC | 3/8" NUT |

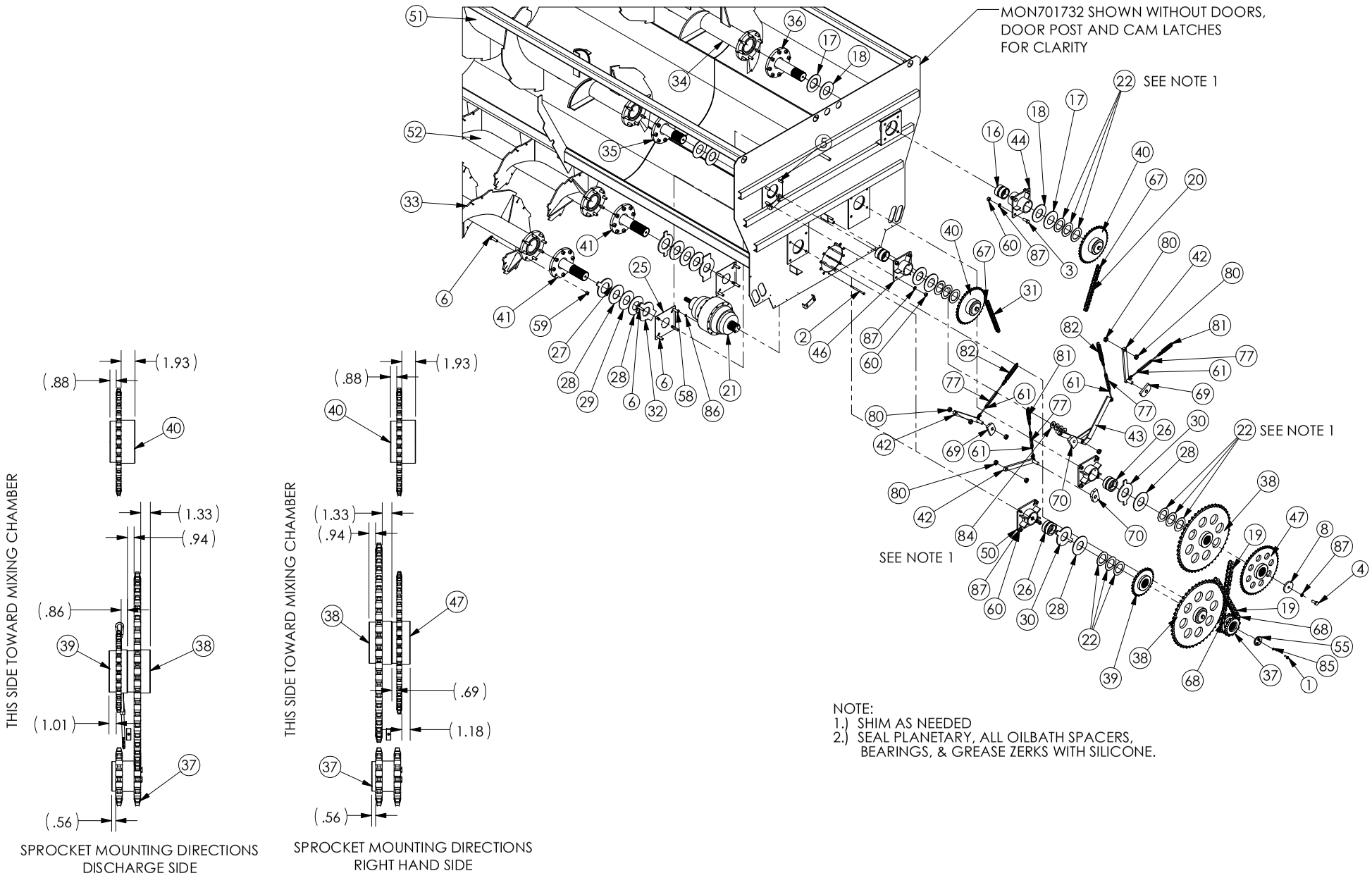
| ITEM # | MON 901113-1 QTY | MON 901113-2 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 62 | 2 | 2 | NUT516LOCKNC | 5/16" LOCK NUT |
| 63 | 2 | 2 | NUT632LOCKNC | 6-32 LOCKNUT |
| 64 | 18 | 18 | OILSHC629 | GEARLUBE OIL |
| 65 | 2 | 2 | PFBL2PLUG | 2" PIPE PLUG |
| 66 | 1 | 1 | PFBL112PLUG | 1-1/2" PIPE PLUG |
| 67 | 2 | 2 | RC100HCON | 100-H CONNECTOR LINK |
| 68 | 2 | 2 | RC140HCON | 140-H CONNECTOR LINK |
| 69 | 2 | 2 | SAC73053 | IDLER |
| 70 | 2 | 2 | SAC73054 | IDLER |
| 71 | 2 | 2 | SP10X34TS | #10X3/4" SELF-DRILLING SCREW |
| 72 | 2 | 2 | SPCP225 | CYLINDER PIN |
| 73 | 2 | 2 | SPGH24 | GREASE HOSE |
| 74 | 2 | 2 | SPGH36 | GREASE HOSE |
| 75 | 4 | 4 | SPGZRK618 | GREASE ZERK |
| 76 | 4 | 4 | SPGZRK1644B | GREASE ZERK |
| 77 | 4 | 4 | SPHKE38 | TURNBUCKLE |
| 78 | 2 | 2 | SPMB632-1SS | 6-32 X 1 BOLT SS |
| 79 | 1 | 1 | SPMCK0300 | SILICONE SEALANT |
| 80 | 9 | 9 | SPSCL1 | SHAFT COLLAR |
| 81 | 2 | 2 | SPSPR370 | SPRING |
| 82 | 2 | 2 | SPSPR612 | SPRING |
| 83 | 2 | 2 | STI700334 | BUMPER |
| 84 | 9 | 9 | WSH1FLAT | 1" FLAT WASHER |
| 85 | 3 | 3 | WSH10LOCKMM | 10MM LOCK WASHER |
| 86 | 12 | 12 | WSH12LOCKG8 | 1/2" LOCK WASHER |
| 87 | 36 | 36 | WSH34LOCK | 3/4" LOCK WASHER |
| 88 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |

NOTE: SEAL PLANETARY, ALL OILBATH SPACERS, BEARINGS, & GREASE XERKS WITH SILICONE.

| PART # | DESCRIPTION |
|---|---|
| MON901113-1 | 4500 BASE ASSEMBLY WITH SS LINER |
| MON901113-2 | 4500 BASE ASSEMBLY |

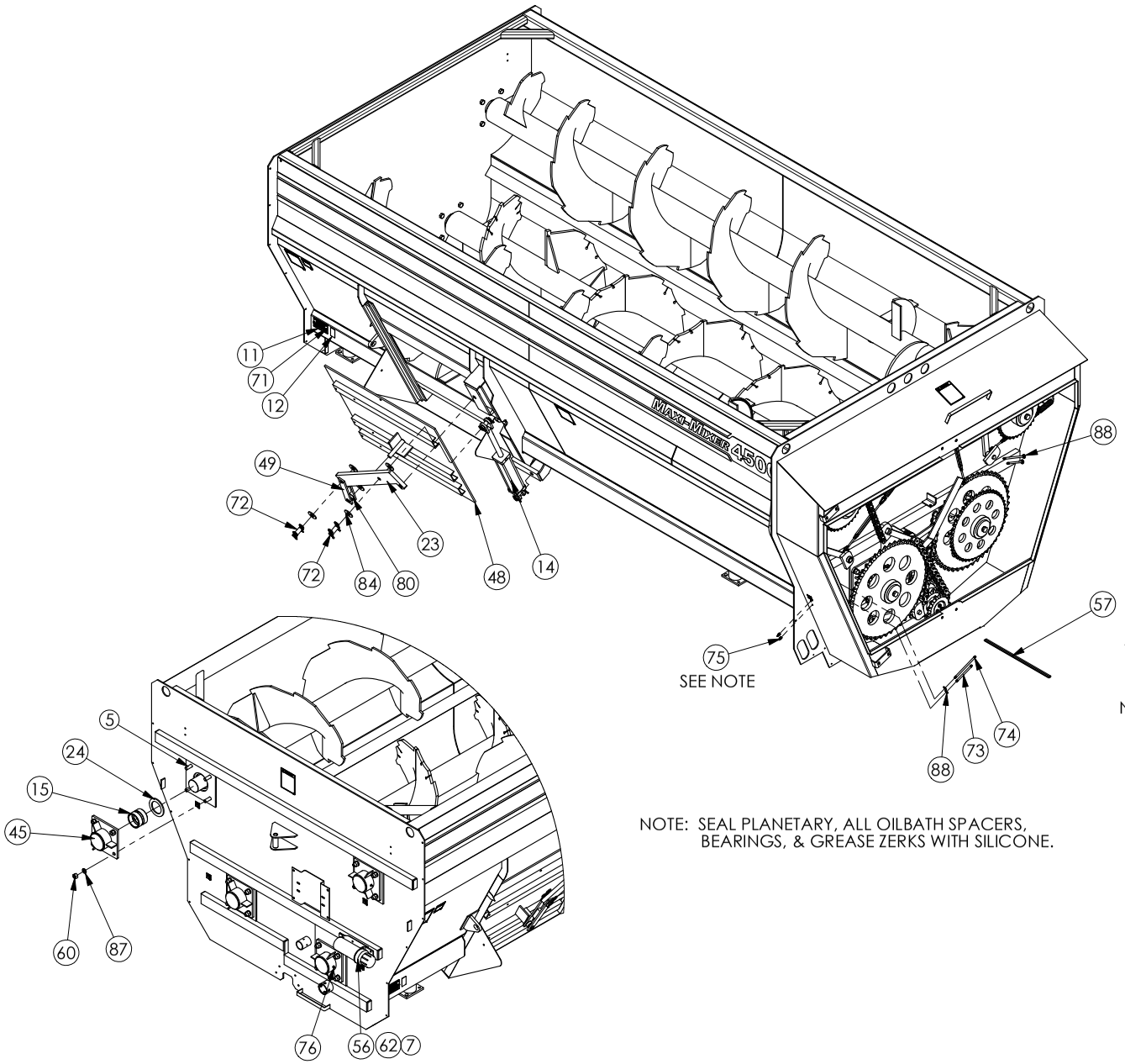
# MON901113 4500 BASE ASSEMBLY

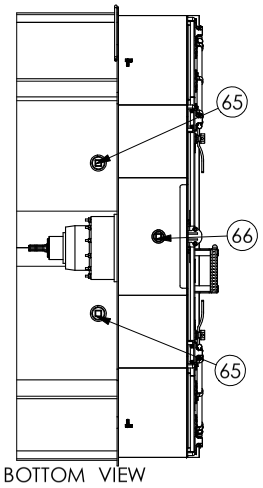





NOTE:
1.) SHIM AS NEEDED
2.) SEAL PLANETARY, ALL OILBATH SPACERS, BEARINGS, & GREASE ZERKS WITH SILICONE.

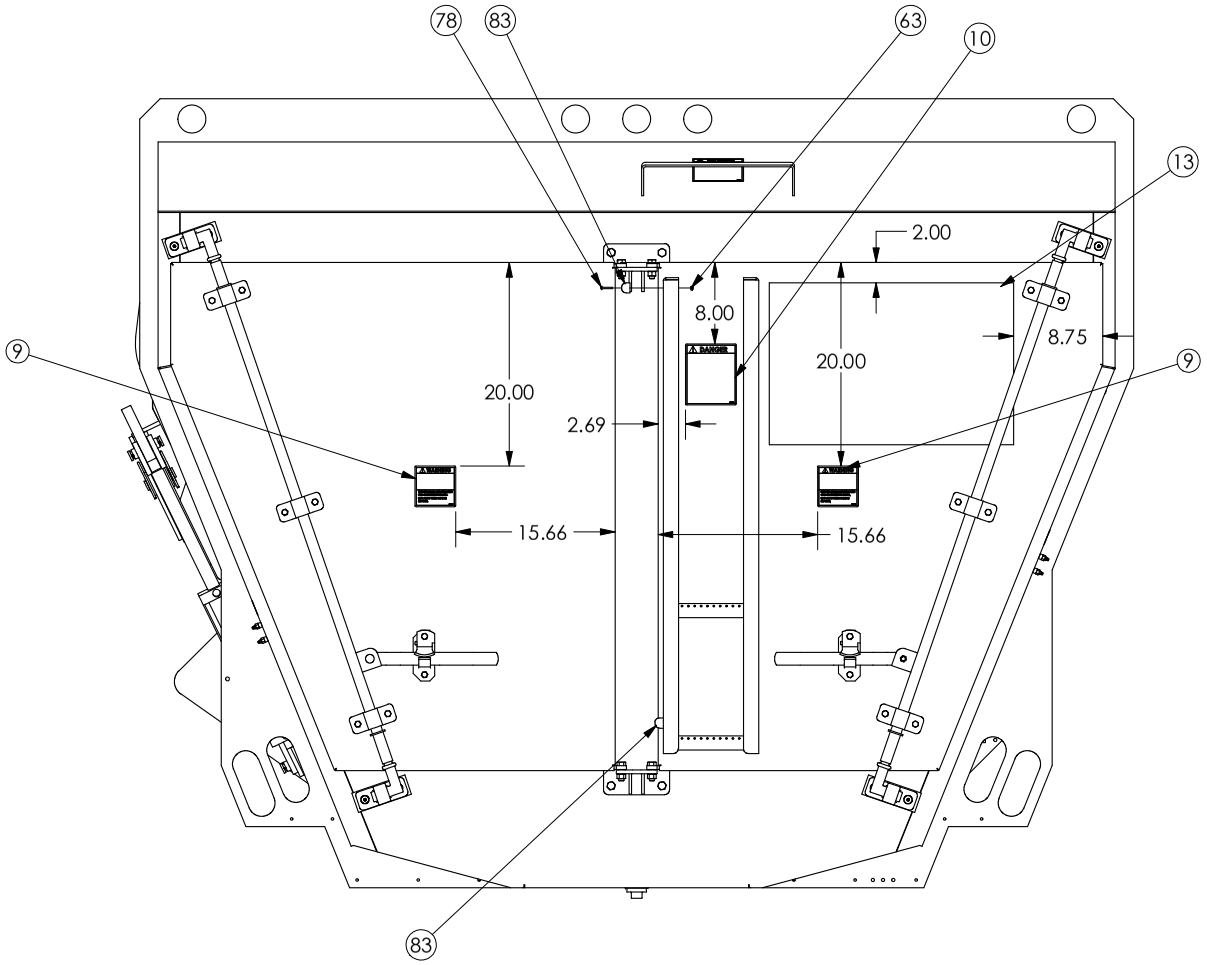
# MON901113 4500 BASE ASSEMBLY



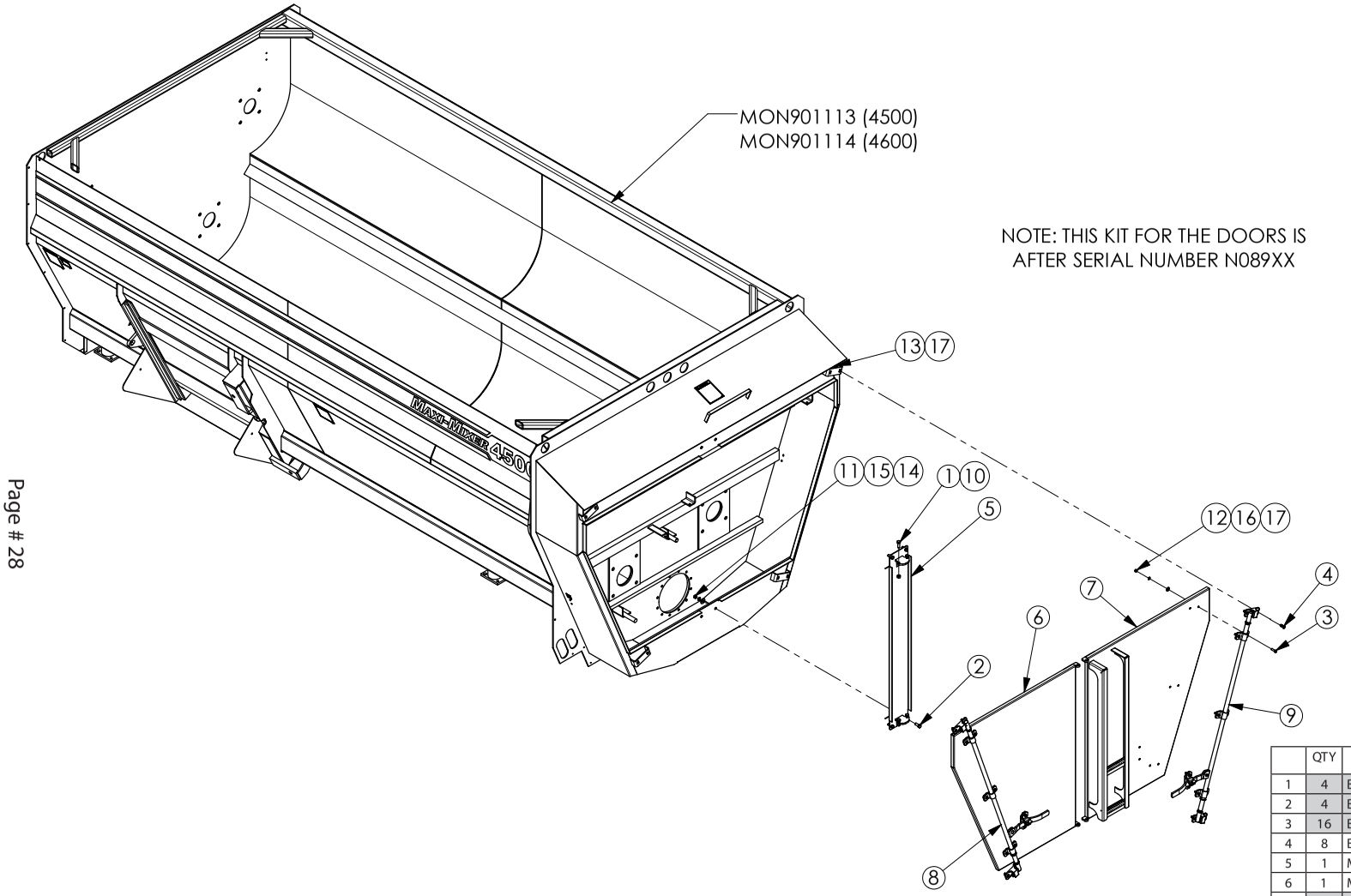

NOTE: SEAL PLANETARY, ALL OILBATH SPACERS,
BEARINGS, & GREASE ZERKS WITH SILICONE.

# MON901113 4500 BASE ASSEMBLY




REAR VIEW SHOWING ITEMS ATTACHED TO DOORS

# MON701739 4500/4600 DOOR KIT - CAM LATCH




| | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 4 | BLT12X112NC | 1/2X1-1/2 BOLT |
| 2 | 4 | BLT12X114NC | 1/2X1-1/4 BOLT |
| 3 | 16 | BLT38X114NC | 3/8X1-1/4 BOLT |
| 4 | 8 | BLT38X114SFH | 3/8X1-1/4 FLAT HD BOLT |
| 5 | 1 | MON701733 | OILBATH DOOR POST |
| 6 | 1 | MON701734 | LH OILBATH DOOR |
| 7 | 1 | MON701735 | RH OILBATH DOOR |
| 8 | 1 | MON701736 | LH DOOR CAM LOCK |
| 9 | 1 | MON701737 | RH DOOR CAM LOCK |
| 10 | 4 | NUT12LOCKNC | 1/2" LOCK NUT |
| 11 | 4 | NUT12NC | 1/2" NUT |
| 12 | 16 | NUT38NC | 3/8" NUT |
| 13 | 8 | NUT38NF | 3/8" NUT FINE THD |
| 14 | 4 | WSH1FLAT | 1" FLAT WASHER |
| 15 | 4 | WSH12LOCK | 1/2" LOCK WASHER |
| 16 | 16 | WSH38FLAT | 3/8" FLAT WASHER |
| 17 | 24 | WSH38LOCK | 3/8" LOCK WASHER |

NOTE: USE BASE ASSEMBLY MON900489 FOR UNITS BUILT UP TO SERIAL NUMBER N08789.

# MON900489 BASE ASSEMBLY
# BILL OF MATERIALS

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 3 | BLT10X30MM | 10MMX30MM BOLT |
| 2 | 8 | BLT12X112NC | 1/2X1-1/2 BOLT |
| 3 | 12 | BLT12X7NF | 1/2X7 G8 BOLT |
| 4 | 20 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 5 | 40 | BLT34X234NC | 3/4X2-3/4 BOLT |
| 6 | 4 | BLT34X2NC | 3/4X2 BOLT |
| 7 | 4 | BLT34X2NF | 3/4X2 G8 BOLT |
| 8 | 2 | BLT516X34CNC | 5/16X3/4 CARRIAGE BOLT |
| 9 | 4 | BURN12000305 | 4.5 SPROCKET RETAINER DISK |
| 10 | 1 | DEC375 | MODEL/SERIAL # PLATE |
| 11 | 1 | DEC393 | FEMA DECAL |
| 12 | 1 | HYDPMC9112 | HYDRAULIC CYLINDER |
| 13 | 4 | MON101847 | BEARING SLEEVE |
| 14 | 2 | MON101848 | BEARING SLEEVE |
| 15 | 4 | MON101853 | PLASTIC DISK |
| 16 | 4 | MON101854 | PLASTIC DISK |
| 17 | 2 | MON101874 | 140-H ROLLER CHAIN |
| 18 | 1 | MON101875 | 100-H ROLLER CHAIN |
| 19 | 1 | MON101896 | PLANETARY DRIVE |
| 20 | 12 | MON102032 | SPACER |
| 21 | 1 | MON102073 | DOOR PIVOT ARM |
| 22 | 4 | MON102147 | BEARING SEAL |
| 23 | 2 | MON102437 | STAINLESS STEEL FLANGE |
| 24 | 2 | MON102490 | BEARING SLEEVE |
| 25 | 2 | MON102491 | STEEL DISK |
| 26 | 6 | MON102492 | PLACTIC DISK |
| 27 | 2 | MON102493 | STEEL DISK |
| 28 | 4 | MON102494 | STEEL DISK |
| 29 | 1 | MON103244 NOTE 1 | 100-H ROLLER CHAIN |
| 30 | 1 | MON700791 NOTE 1 | BOTTOM AUGER |
| 31 | 1 | MON700794 | TOP RH AUGER |
| 32 | 1 | MON700811 | AUGER SHAFT WELDMENT |
| 33 | 1 | MON700812 | AUGER SHAFT WELDMENT |
| 34 | 1 | MON700816 | 140-2 SPROCKET |
| 35 | 2 | MON700817 | 140 SPROCKET |
| 36 | 1 | MON700818 | 100 SPROCKET |
| 37 | 2 | MON700820 | TOP RH SPROCKET |
| 38 | 2 | MON700821 | AUGER FLANGE WELDMENT |
| 39 | 3 | MON700822 | IDLER ARM |
| 40 | 1 | MON700823 | CHAIN IDLER ARM |
| 41 | 1 | MON700835 | FLANGE BEARING |
| 42 | 4 | MON700836 | FLANGE BEARING |
| 43 | 1 | MON700837 | FLANGE BEARING |
| 44 | 1 | MON700840 | SPROCKET |
| 45 | 1 | MON700846 | DOOR POST |
| 46 | 1 | MON700847 | RH OILBATH DOOR |
| 47 | 1 | MON700848 | LH OILBATH DOOR |
| 48 | 1 | MON700849 | 4500 BODY WLD |
| 49 | 1 | MON700907 | DISCHARGE DOOR |
| 50 | 1 | MON700908 | DOOR LINKAGE ARM |
| 51 | 2 | MON701059 | FLANGE BEARING |
| 52 | 1 | MON701260 NOTE 1 | TOP LH AUGER |
| 53 | 1 | MON701270 NOTE 1 | BOTTOM RH AUGER |
| 54 | 1 | MON800308 | END CAP |
| 55 | 1 | MON800531 | MANUAL CANISTER |
| 56 | 4 | NUT12LOCKNC | 1/2" LOCK NUT |
| 57 | 4 | NUT12NC | 1/2" NUT |
| 58 | 12 | NUT12NF | 1/2" NUT |
| 59 | 32 | NUT34LOCKNC | 3/4" LOCK NUT |
| 60 | 32 | NUT34NC | 3/4" NUT |
| 61 | 8 | NUT38NC NOTE 1 | 3/8" NUT |
| 62 | 2 | NUT516LOCKNC | 5/16" LOCK NUT |
| 63 | 18 | OILSHC629 | GEARLUBE OIL |
| 64 | 12 | OSW830212 | DOOR LATCH |
| 65 | 350 | OSW830848 | WEATHERSTRIP |
| 66 | 1 | PFBL112PLUG | 1-1/2" PIPE PLUG |
| 67 | 2 | PFBL2PLUG | 2" PIPE PLUG |
| 68 | 2 | RC100HCON | 100-H CONNECTOR LINK |
| 69 | 2 | RC140HCON | 140-H CONNECTOR LINK |
| 70 | 2 | SAC73053 NOTE 1 | IDLER |
| 71 | 2 | SAC73054 | IDLER |
| 72 | 2 | SP10X34TS | #10X3/4" SELF-DRILLING SCREW |
| 73 | 2 | SPCP225 | CYLINDER PIN |
| 74 | 2 | SPGH24 | GREASE HOSE |
| 75 | 2 | SPGH36 | GREASE HOSE |
| 76 | 4 | SPGZRK1644B | GREASE ZERK |
| 77 | 4 | SPGZRK618 | GREASE ZERK |
| 78 | 4 | SPHKE38 | TURNBUCKLE |
| 79 | 1 | SPMCK0300 | SILICONE SEALANT |
| 80 | 9 | SPSCL1 NOTE 1 | SHAFT COLLAR |
| 81 | 4 | SPSPR370 | SPRING |
| 82 | 2 | SPSPR612 | SPRING |
| 83 | 3 | WSH10LOCKMM | 10MM LOCK WASHER |
| 84 | 4 | WSH12LOCK | 1/2" LOCK WASHER |
| 85 | 12 | WSH12LOCKG8 | 1/2" LOCK WASHER |
| 86 | 9 | WSH1FLAT | 1" FLAT WASHER |
| 87 | 36 | WSH34LOCK | 3/4" LOCK WASHER |
| 88 | 4 | WSH38FLAT | 3/8" FLAT WASHER |

NOTE 1: FOR UNITS WITH AN IMPLEMENTATION DATE PRIOR TO JUNE 2010, PLEASE REFER TO THE FOLLOWING ADJUSTMENTS TO THE BOM:

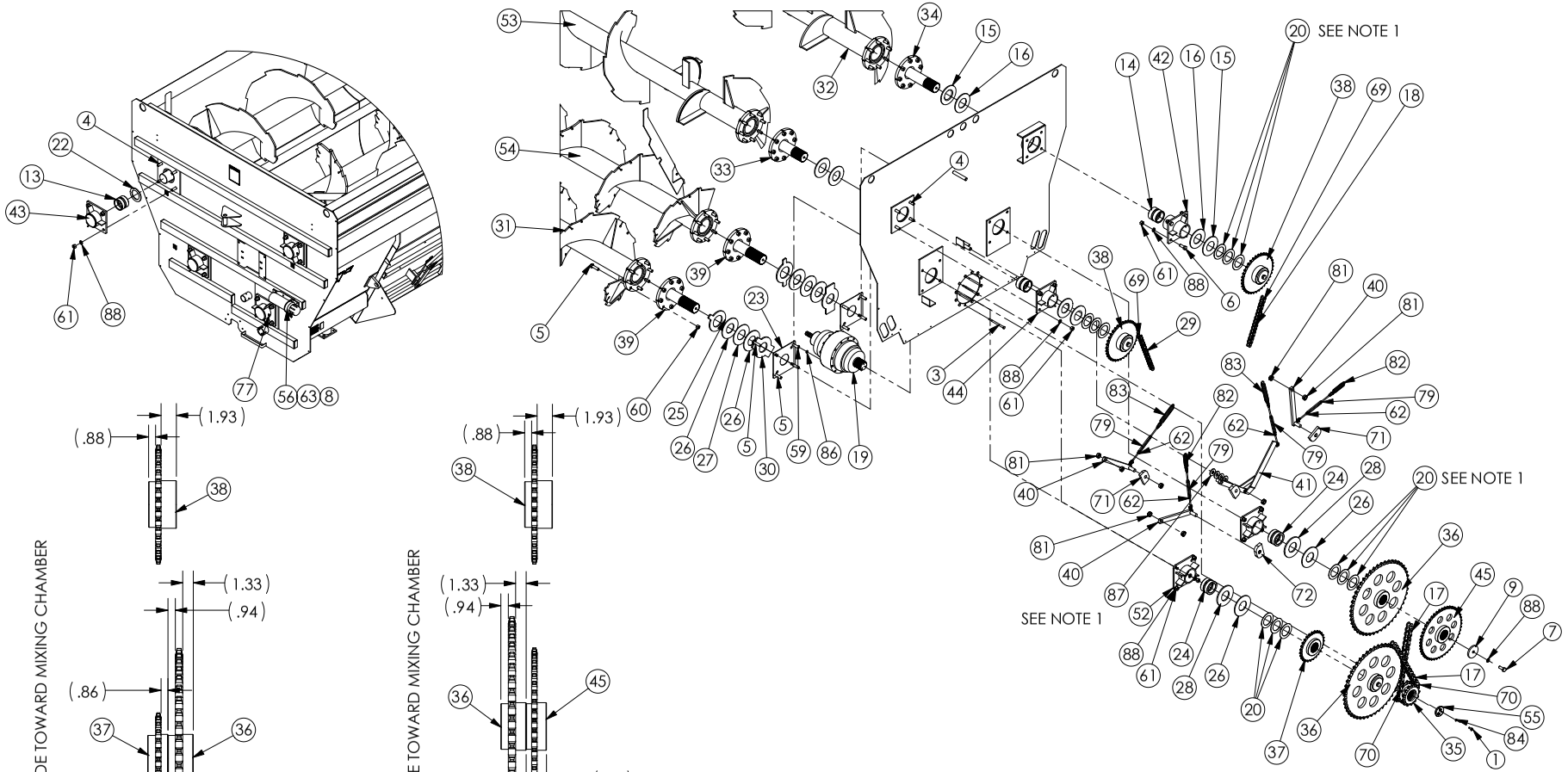
| CHANGE THE FOLLOWING: | | |
|---|---|---|
| QTY | PART # | DESCRIPTION |
| 0 | MON103244 | 100-H ROLLER CHAIN (87P) |
| 2 | MON700791 | BOTTOM LH AUGER |
| 0 | MON701260 | TOP LH AUGER |
| 0 | MON701270 | BOTTOM RH AUGER |
| 0 | NUT38NC | 3/8" NUT |
| 1 | SAC73053 | IDLER |
| 11 | SPSCL1 | SHAFT COLLAR |

| ADD THE FOLLOWING: | | |
|---|---|---|
| QTY | PART # | DESCRIPTION |
| 3 | MON101800 | IDLER |
| 1 | MON101876 | 100-H ROLLER CHAIN (141P) |
| 1 | MON700793 | TOP LH AUGER |

NOTE: SEAL PLANETARY, ALL OILBATH SPACERS, BEARINGS, & GREASE XERKS WITH SILICONE.

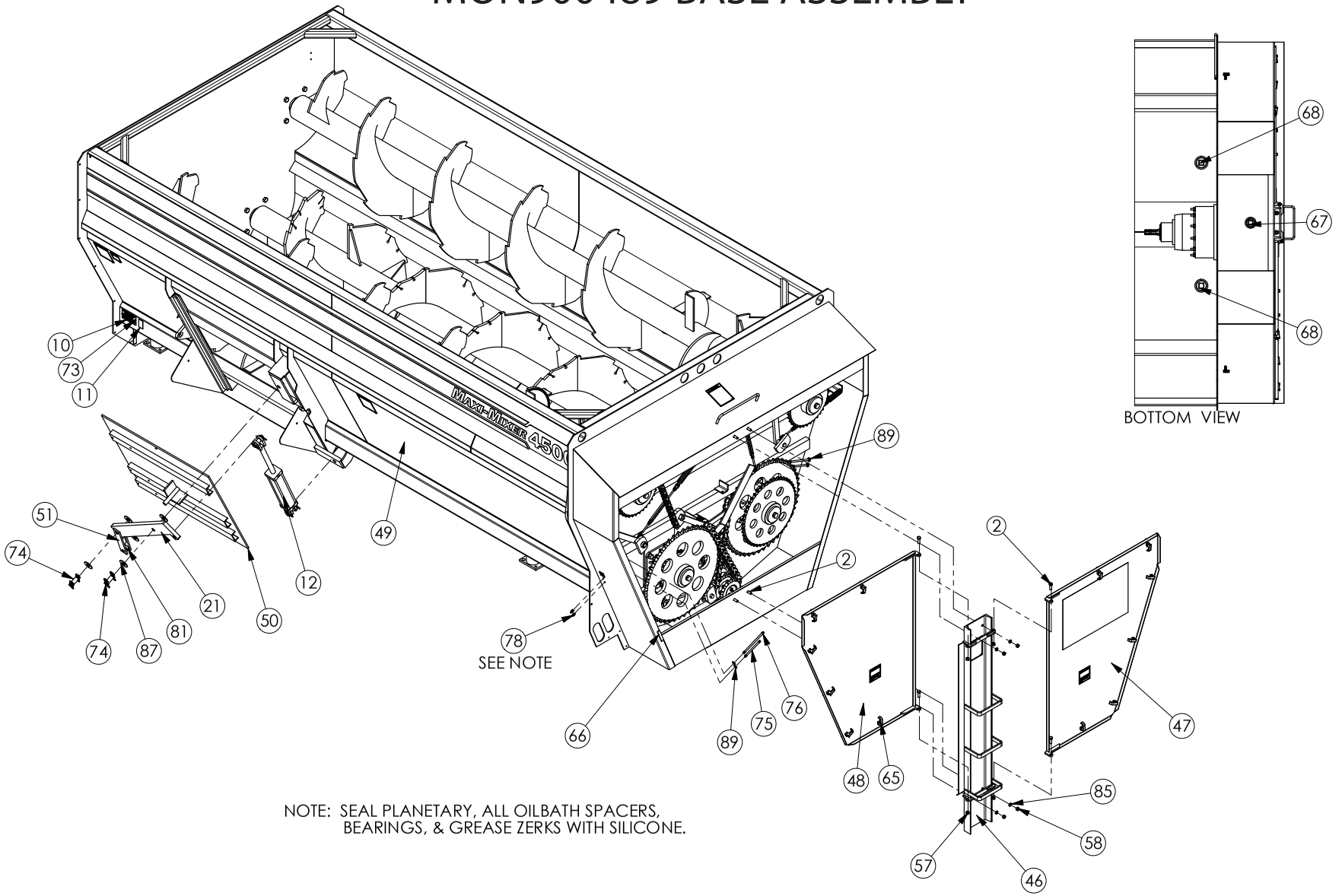
NOTE 2: FOR UNITS WITH AN IMPLEMENTATION DATE PROR TO JUNE 2010, MON700849 BODY WELDMENT WAS MANUFACTURED TO REVISION L AND INCORPORATED DIFFERENT CHAIN AND IDLERS, REFER TO NOTE 1 ABOVE.

# MON900489 BASE ASSEMBLY




NOTE:
1.) SHIM AS NEEDED
2.) SEAL PLANETARY, ALL OILBATH SPACERS, BEARINGS, & GREASE ZERKS WITH SILICONE.

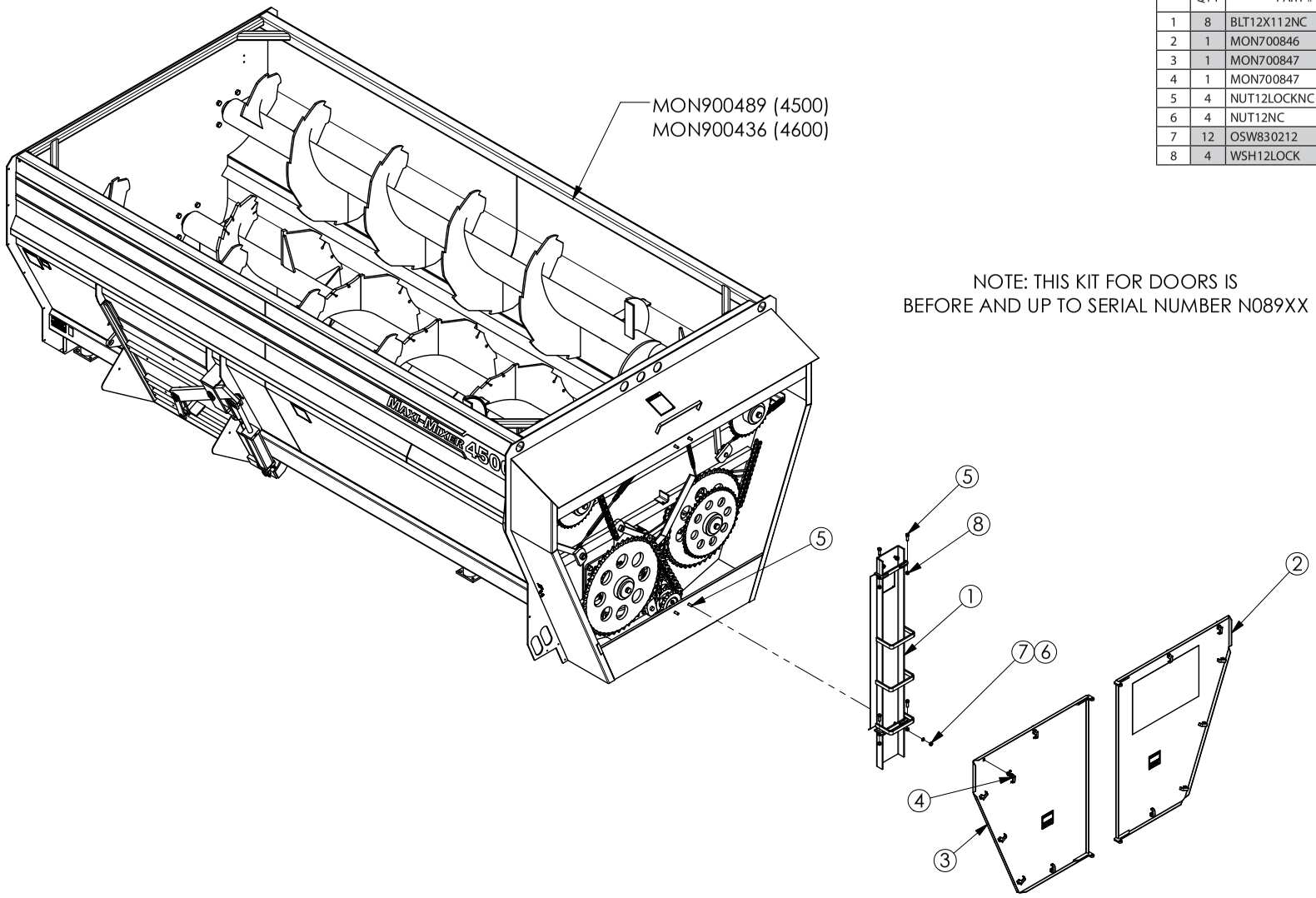
# MON900489 BASE ASSEMBLY




NOTE: SEAL PLANETARY, ALL OILBATH SPACERS, BEARINGS, & GREASE ZERKS WITH SILICONE.

# MON701740 4500/4600 DOOR KIT - MULTI CLIP LATCH

| | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 8 | BLT12X112NC | 1/2X1-1/2 BOLT |
| 2 | 1 | MON700846 | OILBATH DOORPOST |
| 3 | 1 | MON700847 | RH OILBATH DOOR |
| 4 | 1 | MON700847 | LH OILBATH DOOR |
| 5 | 4 | NUT12LOCKNC | 1/2" LOCK NUT |
| 6 | 4 | NUT12NC | 1/2" NUT |
| 7 | 12 | OSW830212 | DOOR LATCH |
| 8 | 4 | WSH12LOCK | 1/2" LOCK WASHER |




NOTE: THIS KIT FOR DOORS IS
BEFORE AND UP TO SERIAL NUMBER N089XX

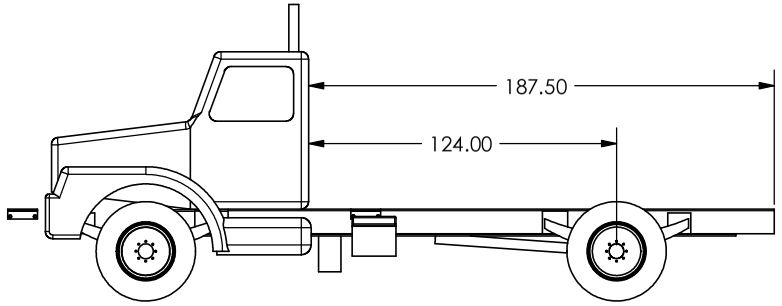
# NOTES

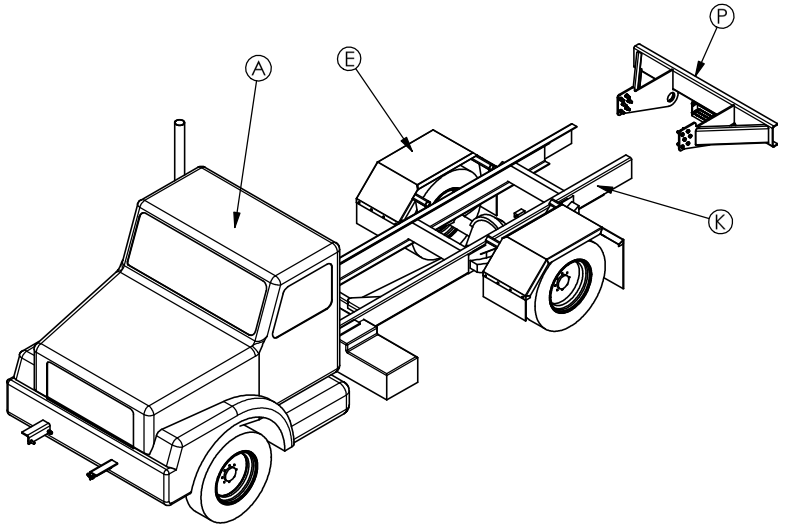
# MON900490 FINAL ASSEMBLY
# BILL OF MATERIALS

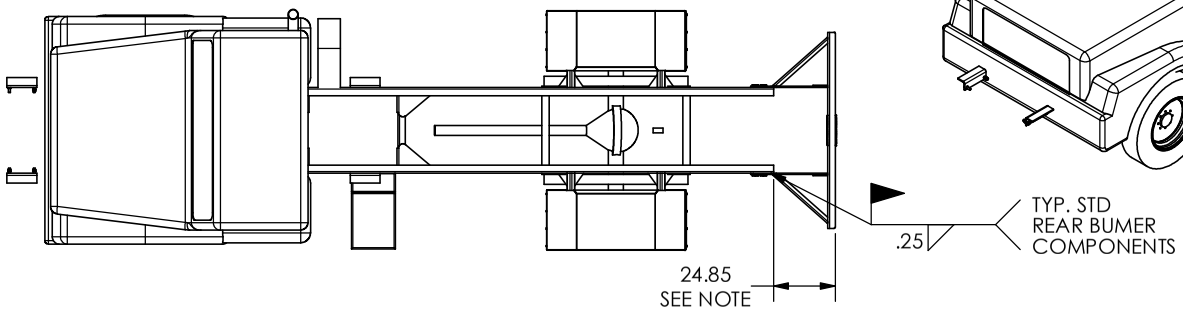
| ITEM # | QTY MON900490 | QTY-MON900490-1 | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 8 | 8 | BLT12X134NC | 1/2X1-3/4 BOLT |
| 2 | 4 | 4 | BLT12X1NC | 1/2X1 BOLT |
| 3 | 16 | 16 | BLT12X214NC | 1/2X2-1/4 BOLT |
| 4 | 3 | 3 | BLT14X2NC | 1/4X2 BOLT |
| 5 | 7 | 7 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 6 | 1 | 1 | BLT34X3NC | 3/4X3 BOLT |
| 7 | 4 | 4 | BLT34X8NC | 3/4X8 BOLT |
| 8 | 2 | 2 | BLT516X34NC | 5/16X3/4 BOLT |
| 9 | 2 | 2 | BRG80MM4GR | BEARING FLANGE |
| 10 | 2 | 2 | BRG80MSC2 | BEARING FLANGE |
| 11 | 2 | 2 | BRGHPS104TR | BEARING |
| 12 | 4 | 4 | DM100749 | LOADCELL BRACKET |
| 13 | 4 | 4 | MON101834 | LOADCELL BRACKET |
| 14 | 2 | 2 | MON101870 | BEARING BRACKET |
| 15 | 1 | 1 | MON102075 | DOOR GAUGE |
| 16 | 4 | 4 | MON102146 | LOADCELL BRACKET |
| 17 | 1 | 1 | MON600160 | MANUAL |
| 18 | 3 | 3 | MON700844 | CHECK ROD |
| 19 | 1 | 1 | MON700854 | FRAME WELDMENT |
| 20 | 1 | 1 | MON900475 | LIGHT KIT |
| 21 | 1 | 1 | MON900482 | ADJUSTABLE ROD |
| 22 | 1 | 0 | MON901113-1 | BASE ASSY W/ SS LINER |
| | 0 | 1 | MON901113-2 | BASE ASSEMBLY |
| 23 | 28 | 28 | NUT12NC | 1/2" NUT |
| 24 | 3 | 3 | NUT14LOCKNC | 1/4" LOCK NUT |
| 25 | 4 | 4 | NUT34JAMNC | 3/4" JAM NUT |
| 26 | 8 | 8 | NUT34LOCKNC | 3/4" LOCK NUT |
| 27 | 14 | 14 | NUT34NC | 3/4" NUT |
| 28 | 2 | 2 | NUT516NC | 5/16" NUT |
| 29 | 50 | 50 | SPCABLETIEHVY | CABLE TIE |
| 30 | 100 | 100 | SPCABLETIEMED | CABLE TIE |
| 31 | 96 | 96 | STI700221 | 46 HYDRAULIC OIL |
| 32 | 24 | 24 | WSH12FLAT | 1/2" FLAT WASHER |
| 33 | 28 | 28 | WSH12LOCK | 1/2" LOCK WASHER |
| 34 | 8 | 8 | WSH34FLATG8 | 3/4" G8 FLAT WASHER |
| 35 | 2 | 2 | WSH516FLAT | 5/16" FLAT WASHER |

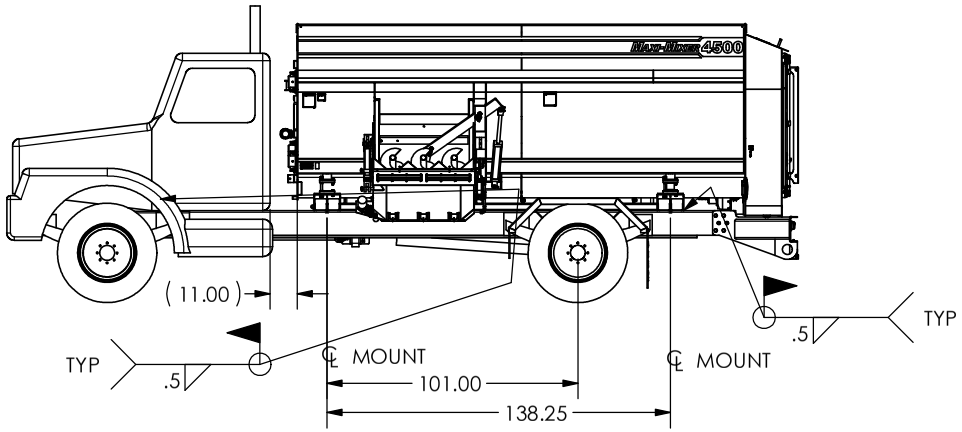
| SALES DRIVEN PACKAGES | | | | |
|---|---|---|---|---|
| | ITEM # | QTY | PART # | DESCRIPTION |
| CHASSIS | A | 1 | CHASSIS | 124 CAB TO AXLE CHASSIS |
| DISCHARGE PACKAGE | B | 1 | MON900505 | 31" 3 AUGER DISCHARGE |
| | | 1 | MON900506 | 39" 3 AUGER DISCHARGE |
| | | 1 | MON900507 | 48" 3 AUGER DISCHARGE |
| | | 1 | MON900837 | 39" SLAT DISCHARGE |
| | | 1 | MON900845 | 48" SLAT DISCHARGE |
| | | 1 | MON901004 | 34" SLAT DISCHARGE |
| HYDRAULIC PACKAGE | C | 1 | MON900501 | AUGER DISCHARGE HYD ASSEMBLY |
| | | 1 | MON900858-2 | SLAT DISCHARGE HYD ASSEMBLY W/FLIP |
| DRIVE PACKAGE | D | 1 | SAC26016 | PTO DRIVE ASSEMBLY |
| FENDER PACKAGE | E | 1 | MON900987 | SINGLE AXLE FENDER KIT |
| | | 1 | MON900989 | SINGLE AXLE POLY FENDER KIT |
| SCALE PACKAGE | F | 1 | SAC75999 | DS REMOTE TRUCK SCALE KIT |
| OPTIONAL ITEMS | | | | |
| RUBBER EXTENSION | G | 1 | MON900646 | 4500 8" RUBBER TOP EXTENSION |
| ROUHAGE KIT | H | 1 | SAC26112 | SCALLOP KNIFE KIT |
| RAM PACKAGE | J | 1 | MON900998 | PTO REMOTE CONTROL KIT |
| CHASSIS PREP PACKAGES | | | | |
| MIXER MOUNTS | K | 1 | MON8901053 | 4600 PTO MOUNTING KIT |
| CONTROL CONSOLE | L | 1 | MON901027 | TRUCK PTO CONSOLE KIT |
| PTO DRIVE | M | 1 | MON901050 | HDR PTO DRIVE KIT |
| OPTIONAL SALES ITEMS | | | | |
| SPRING KIT | N | 1 | MON900983 | SINGLE AXLE SPRING KIT |
| | | 1 | MON900984 | SINGLE AXLE TAPERED SPRING KIT |
| HD REAR BUMPER | P | 1 | MON900876 | HEAVY DUTY REAR BUMPER KIT |
| FRONT BUMPER | Q | 1 | SAC56058 | UNIVERSAL ROLLER BUMPER ASSEMBLY |
| | | 1 | SAC56078 | UNIVERSAL EXTENSION BUMPER ASSEMBLY |
| REMOTE AC CONDENSOR | R | 1 | MON900856 | REMOTE AC CONDENSOR BRACKET KIT |
| DRIVELINE DROPBOX | S | 1 | MON900789 | GEAR REDUCTION GEARBOX KIT |
| REVERSIBLE FAN | T | 1 | SAC56164 | REVERSIBLE FAN CONTROL KIT |
| CENTRI PRECLEANER | U | 1 | MON900836 | KW T300 AIR PRECLEANER KIT |
| | | 1 | MON900976 | KW T370 AIR PRECLEANER KIT |
| | | 1 | MON900978 | MACK 14 AIR PRECLEANER KIT |
| | | 1 | MON901040 | IH 7500 AIR PRECLEANER KIT |
| | | 1 | MON901057 | STERLING AIR PRECLEANER KIT |

# MON900490 FINAL ASSEMBLY



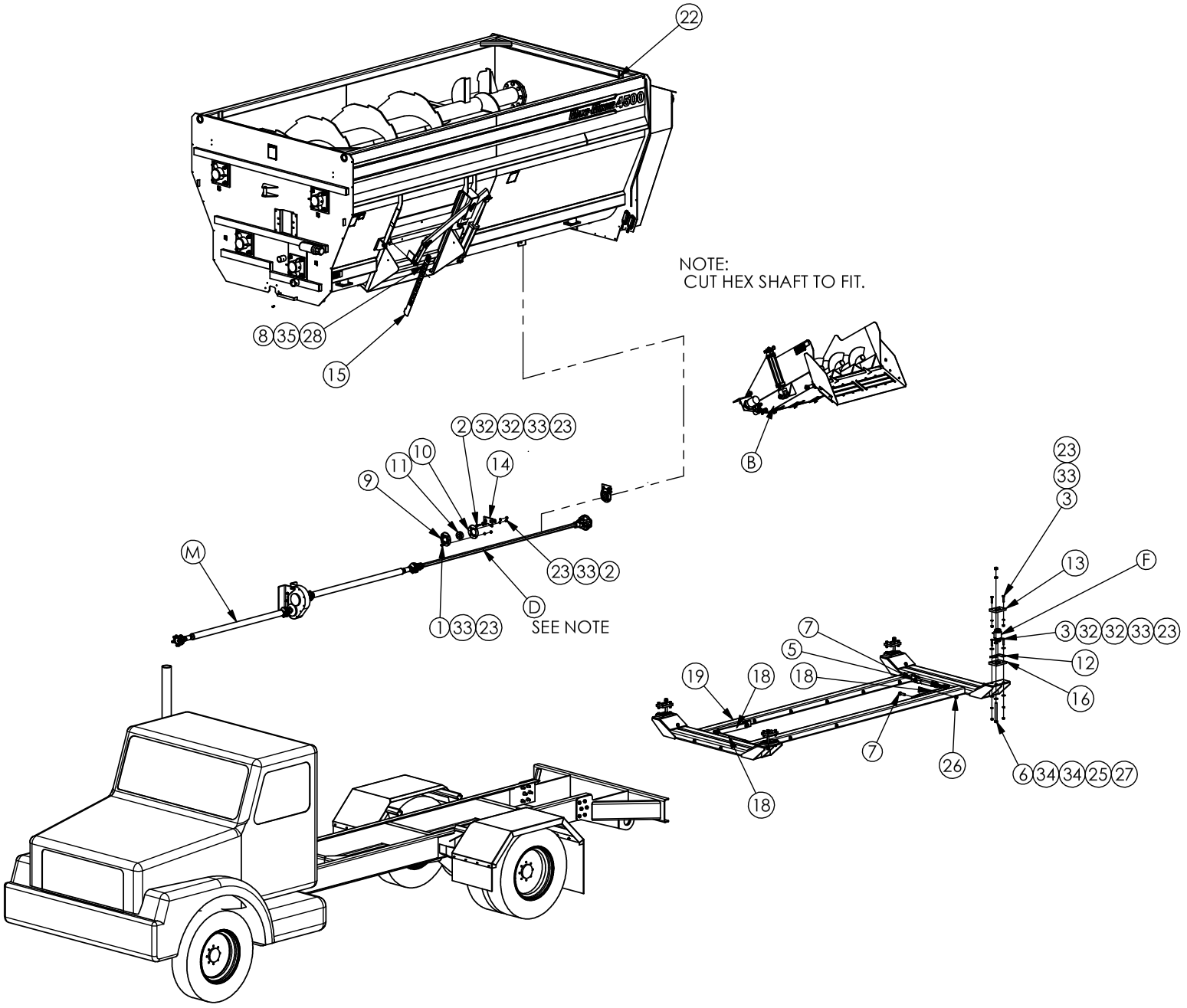



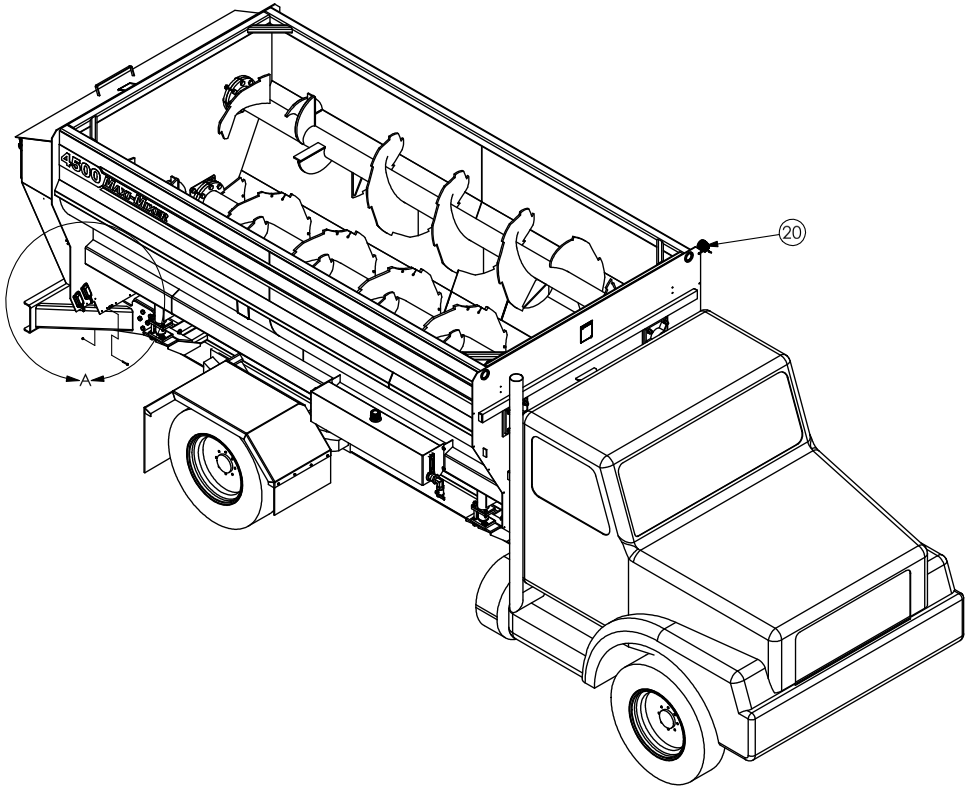



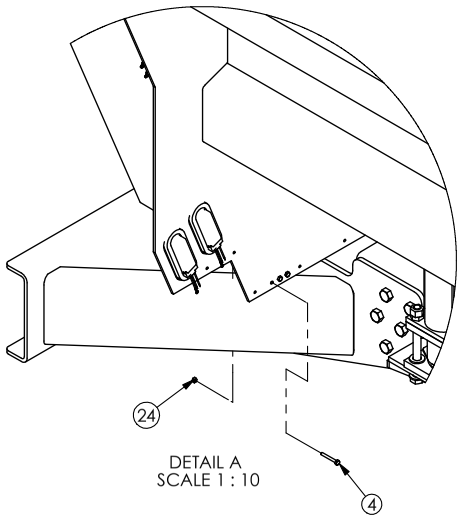

NOTES:
DRILL HOLES IN TRUCK FRAME TO SUIT FOR MOUNTING POLY FENDERS (IF EQUIPPED) AND MIXER MOUNTS.

# MON900490 FINAL ASSEMBLY



# MON900490 FINAL ASSEMBLY

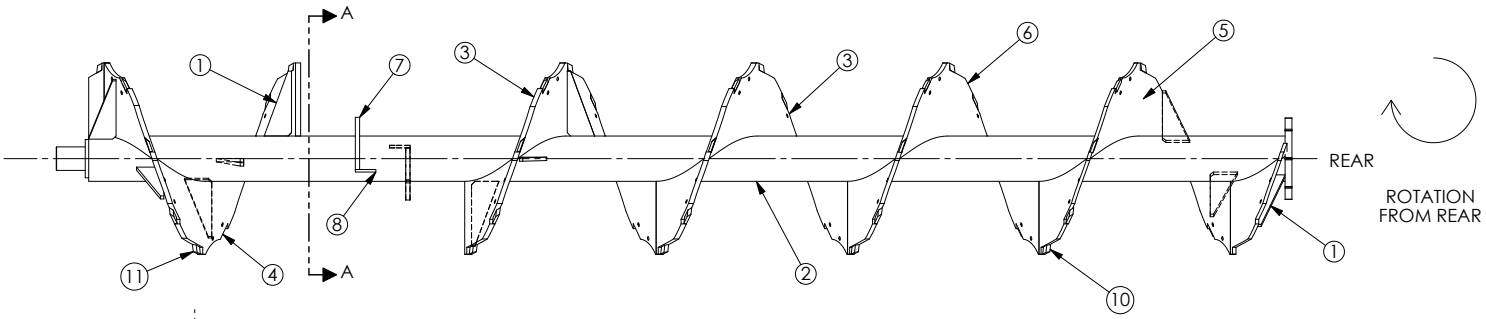


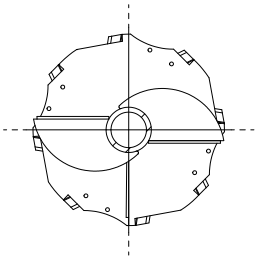




DETAIL A
SCALE 1 : 10

# AUGER ASSEMBLIES

## MON700791 BOTTOM LEFT HAND AUGER

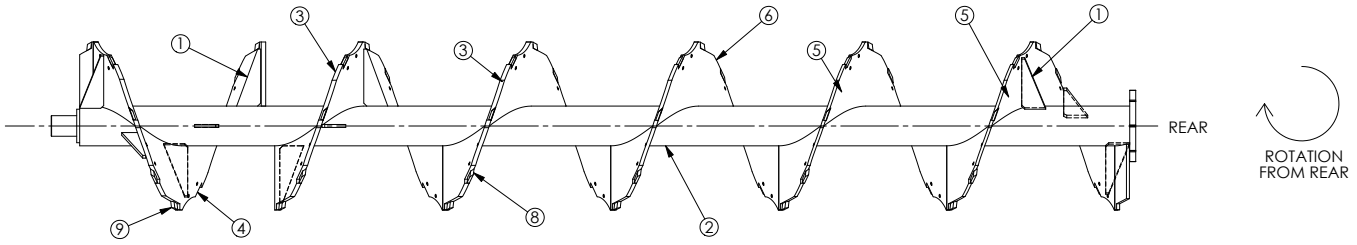


SECTION A-A

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 11 | BURN13000161 | GUSSET |
| 2 | 1 | MON700800 | 4500 AUGER TUBE |
| 3 | 2 | SAC14728 | 3/4" LEFT HAND FLIGHT |
| 4 | 1 | SAC14729 | 3/4" RIGHT HAND FLIGHT |
| 5 | 3 | SAC14730 | 1/2" LEFT HAND FLIGHT |
| 6 | 1 | SAC14844 | 5/8" LEFT HAND FLIGHT |
| 7 | 2 | SAC26031 | KNIFE PADDLE |
| 8 | 2 | SAC26084 | 3/8X3 BAR |
| 9 | 1 | SAC26118 | AUGER SHAFT |
| 10 | 32 | SAC73308 | LEFT HAND AUGER KNIFE |
| 11 | 9 | SAC73309 | RIGHT HAND AUGER KNIFE |

## MON701270 BOTTOM RIGHT HAND AUGER*

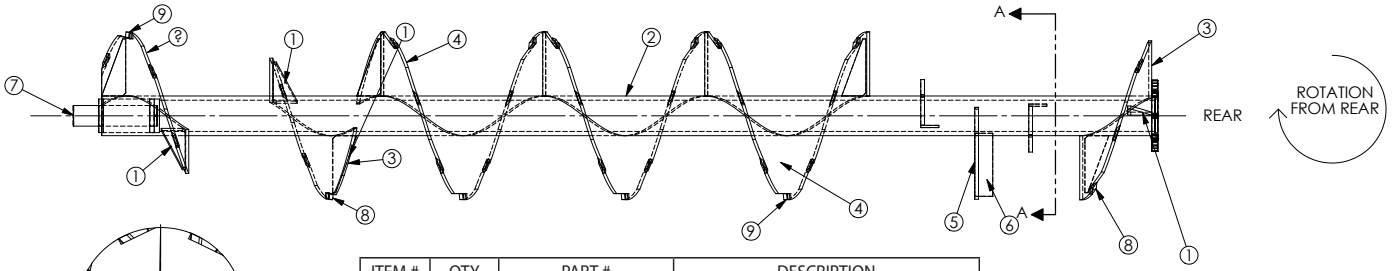


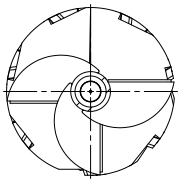

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 11 | BURN13000161 | GUSSET |
| 2 | 1 | MON700800 | AUGER TUBE WELDMENT |
| 3 | 2 | SAC14728 | 3/4" LEFT HAND FLIGHT |
| 4 | 1 | SAC14729 | 3/4" RIGHT HAND FLIGHT |
| 5 | 2 | SAC14730 | 1/2" LEFT HAND FLIGHT |
| 6 | 1 | SAC14844 | 5/8" LEFT HAND FLIGHT |
| 6 | 1 | SAC26118 | AUGER SHAFT |
| 7 | 40 | SAC73308 | LEFT HAND AUGER KNIFE |
| 8 | 9 | SAC73309 | RIGHT HAND AUGER KNIFE |

*SOME MODELS HAVE MON700900 ON BOTH LH AND RH

# AUGER ASSEMBLIES

## MON701260 TOP LEFT HAND AUGER

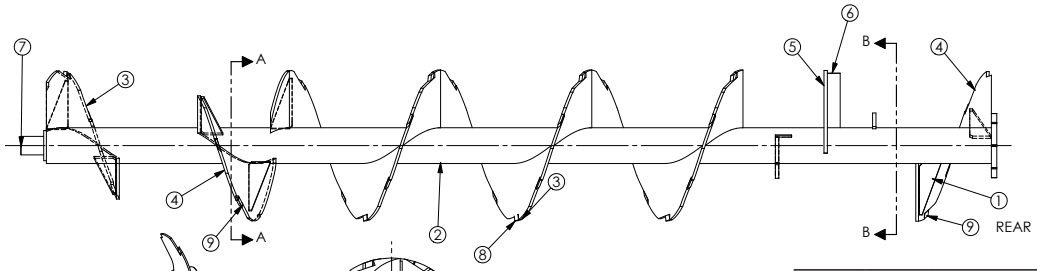


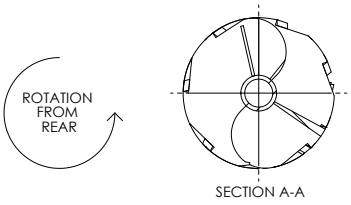



SECTION A-A

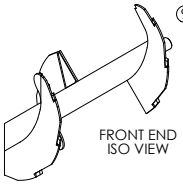
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 8 | BURN13000161 | GUSSET |
| 2 | 1 | MON700800 | 4500 AUGER TUBE |
| 3 | 1 | SAC14726 | LEFT HAND FLIGHT |
| 4 | 4 | SAC14727 | RIGHT HAND FLIGHT |
| 5 | 3 | SAC26031 | PADDLE KNIFE |
| 6 | 3 | SAC26084 | 3/8X3 BAR |
| 7 | 1 | SAC26118 | AUGER SHAFT |
| 8 | 5 | SAC73308 | LEFT HAND AUGER KNIFE |
| 9 | 25 | SAC73309 | RIGHT HAND AUGER KNIFE |

## MON700793 COUNTER CLOCK-WISE TOP LEFT HAND AUGER

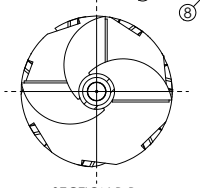



SECTION A-A



FRONT END ISO VIEW

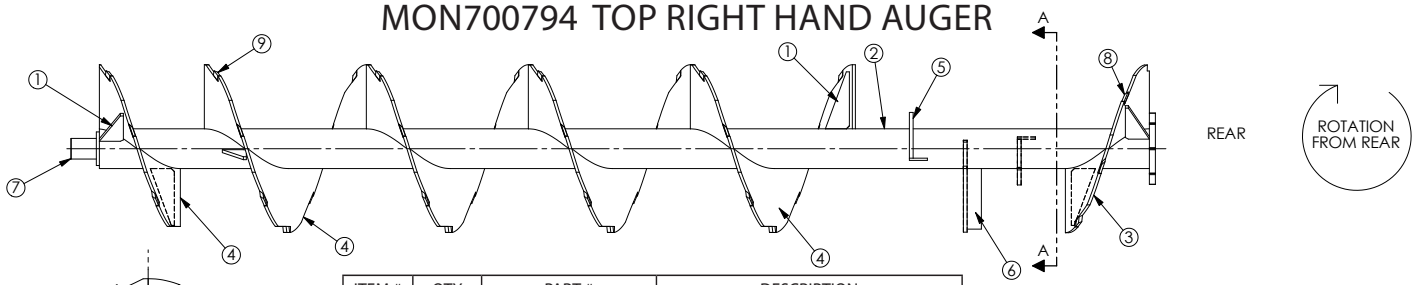


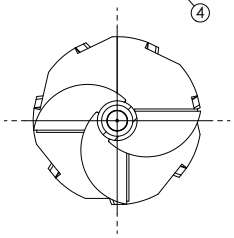
SECTION B-B

UNITS MANUFACTURED PRIOR TO 6/10/2010

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 8 | BURN13000161 | GUSSET |
| 2 | 1 | MON700800 | 4500 AUGER TUBE |
| 3 | 5 | SAC14726 | LEFT HAND FLIGHT |
| 4 | 2 | SAC14727 | RIGHT HAND FLIGHT |
| 5 | 3 | SAC26031 | PADDLE KNIFE |
| 6 | 3 | SAC26084 | 3/8X3 BAR |
| 7 | 1 | SAC26118 | AUGER SHAFT |
| 8 | 24 | SAC73308 | LEFT HAND AUGER KNIFE |
| 9 | 5 | SAC73309 | RIGHT HAND AUGER KNIFE |

## MON700794 TOP RIGHT HAND AUGER



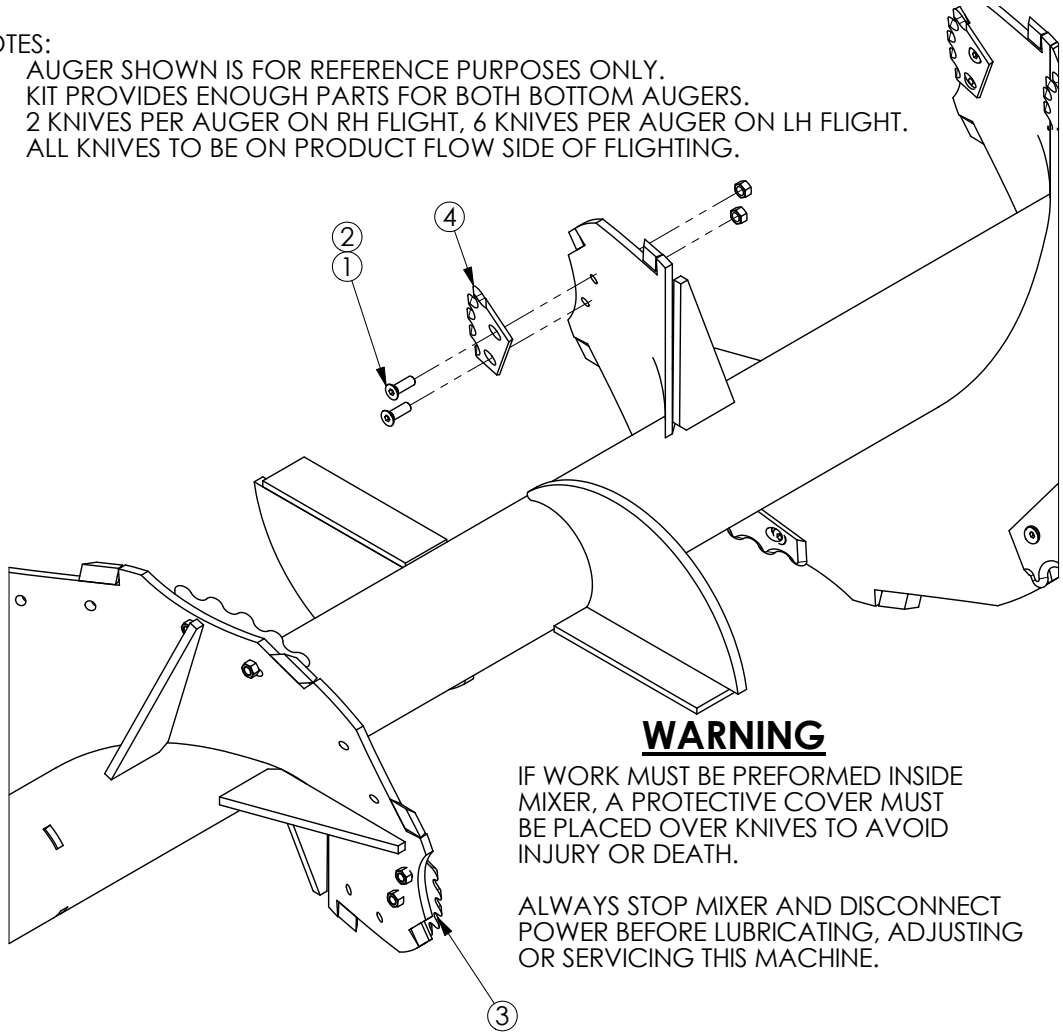
SECTION A-A

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 6 | BURN13000161 | GUSSET |
| 2 | 1 | MON700800 | AUGER TUBE |
| 3 | 1 | SAC14726 | LEFT HAND FLIGHT |
| 4 | 4 | SAC14727 | RIGHT HAND FLIGHT |
| 5 | 3 | SAC26031 | PADDLE KNIFE |
| 6 | 3 | SAC26084 | 3/8X3 BAR |
| 7 | 1 | SAC26118 | AUGER SHAFT |
| 8 | 4 | SAC73308 | LEFT HAND AUGER KNIFE |
| 9 | 27 | SAC73309 | RIGHT HAND AUGER KNIFE |

# SAC26112 AUGER ROUGHAGE KIT

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 32 | BLT12X112SFH | 1/2X1-1/2 SFH BOLT |
| 2 | 32 | NUT12LOCKNF | 1/2" LOCK NUT FINE THD |
| 3 | 4 | SAC73067 | RH AUGER KNIFE |
| 4 | 12 | SAC73068 | LH AUGER KNIFE |

NOTES:
1. AUGER SHOWN IS FOR REFERENCE PURPOSES ONLY.
2. KIT PROVIDES ENOUGH PARTS FOR BOTH BOTTOM AUGERS.
3. 2 KNIVES PER AUGER ON RH FLIGHT, 6 KNIVES PER AUGER ON LH FLIGHT.
4. ALL KNIVES TO BE ON PRODUCT FLOW SIDE OF FLIGHTING.

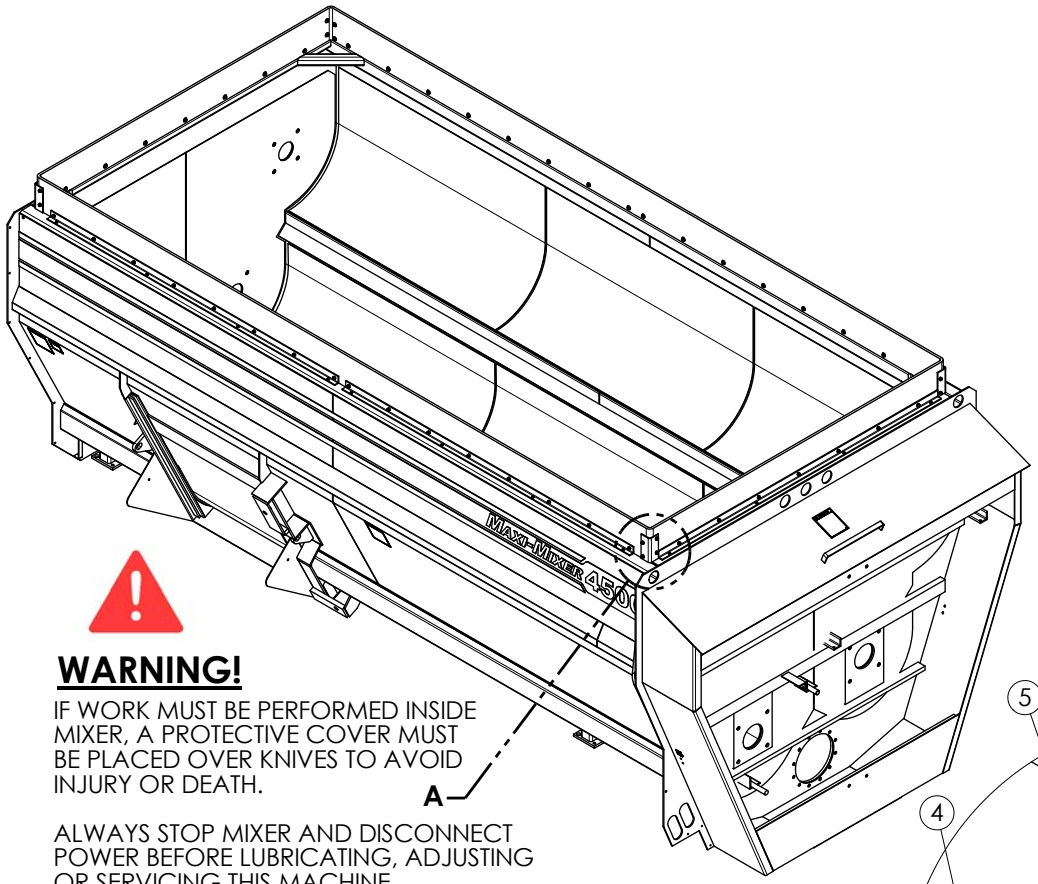



**WARNING**

IF WORK MUST BE PREFORMED INSIDE MIXER, A PROTECTIVE COVER MUST BE PLACED OVER KNIVES TO AVOID INJURY OR DEATH.

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING OR SERVICING THIS MACHINE.

# MON900646 EXTENSION KIT



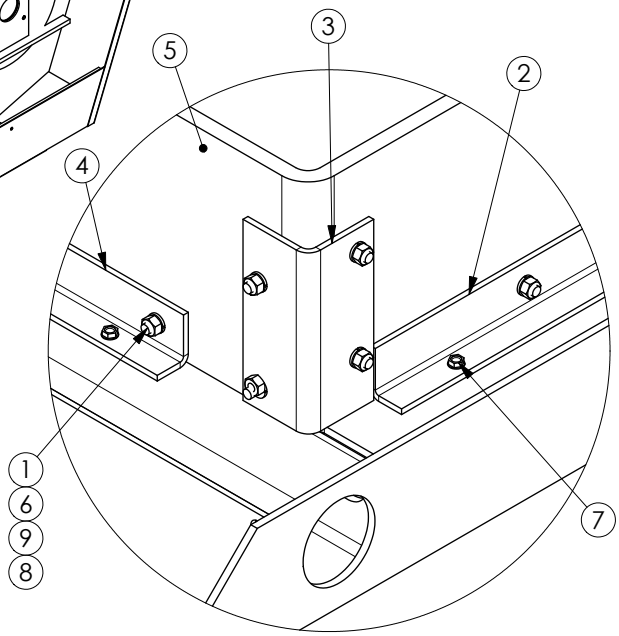

**WARNING!**

IF WORK MUST BE PERFORMED INSIDE MIXER, A PROTECTIVE COVER MUST BE PLACED OVER KNIVES TO AVOID INJURY OR DEATH.

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING OR SERVICING THIS MACHINE.

INSTALLATION INSTRUCTIONS

1. LAYOUT ANGLE MOUNTS (MON102407 & MON102446) AS REQUIRED TO ALLOW THE INSIDE EDGE OF BELTING TO BE FLUSH WITH THE INSIDE EDGE OF MIXING CHAMBER.
2. SECURE IN PLACE USING SELF-TAPPING SCREWS. (SP14X1TS)
3. MEASURE AND CUT LENGTHS OF RUBBER EXTENSION (MON800441) FOR FRONT, REAR, & SIDES.
4. CLAMP EXTENSION (MON800441) TO ANGLE MOUNTS (MON102407 & MON102446) & DRILL 3/8" HOLES AS REQUIRED.
5. SECURE WITH BOLTS, FLAT, & LOCK WASHERS. (BLT516X114NC, WSH516FLAT, & WSH516LOCK)
6. INSTALL CORNER ANGLE MOUNTS (MON102409) WITH SAME PROCEDURE IN STEPS 4 & 5.

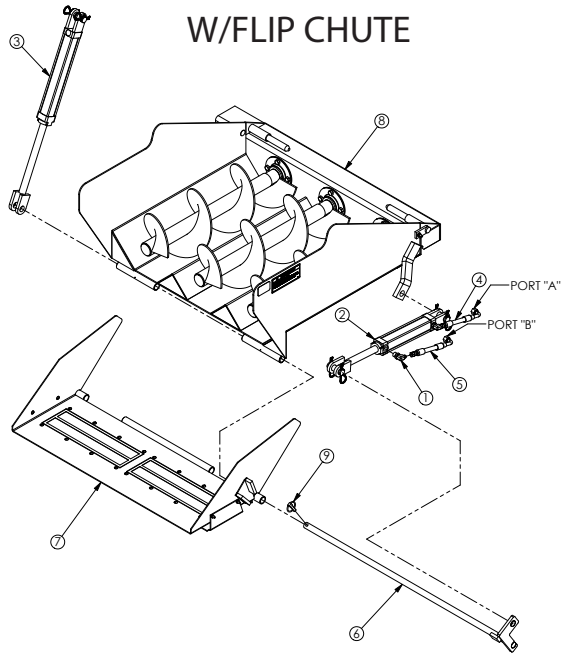



DETAIL A
SCALE 1 : 4

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 66 | BLT516X114NC | 5/16X1-1/4 BOLT |
| 2 | 2 | MON102407 | SHORT EXTENSION MOUNT |
| 3 | 4 | MON102409 | CORNER MOUNT |
| 4 | 4 | MON102446 | LONG EXTENSION MOUNT |
| 5 | 524 | MON800441 | BELTING |
| 6 | 66 | NUAT516NC | 5/16" NUT |
| 7 | 28 | SPO14X1TS | 1/4X1 TAPPING SCREW |
| 8 | 66 | WSH516FLAT | 5/16" FLAT WASHER |
| 9 | 66 | WSH516LOCK | 5/16" LOCK WASHER |

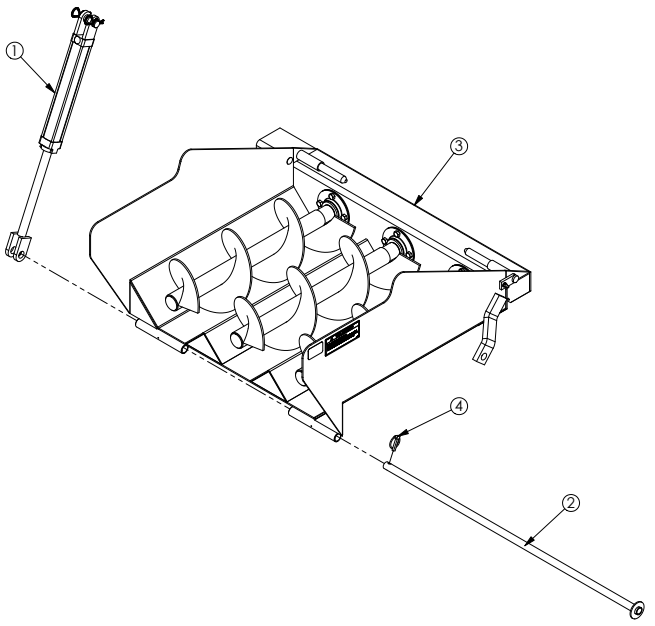
# DISCHARGE ASSEMBLIES

## MON900505 31″ 3 AUGER DISCHARGE W/FLIP CHUTE



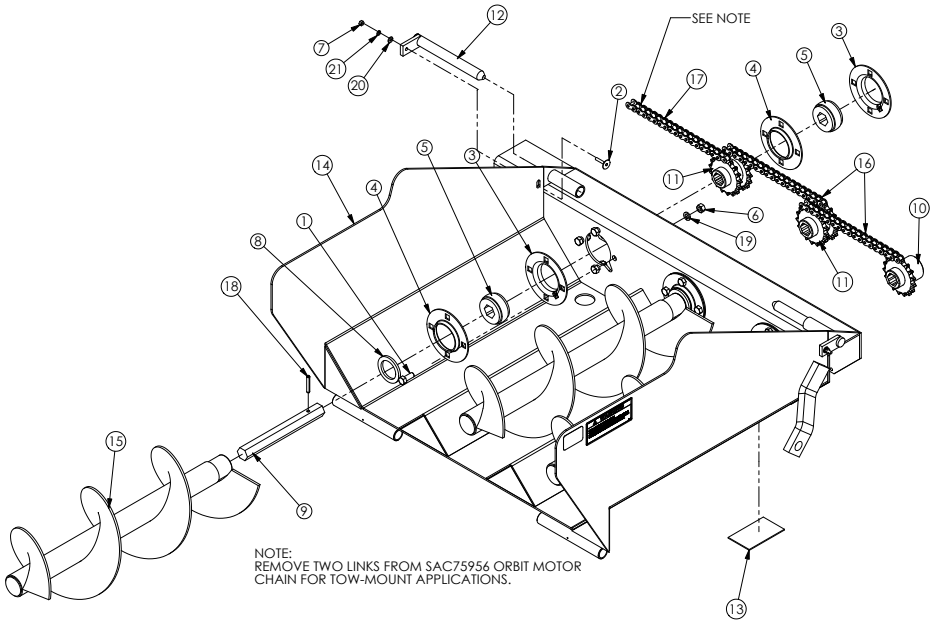

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | HYD6801-6-8 | HYDRAULIC ELBOW FITTING |
| 2 | 1 | HYDPMC8408 | 8″ HYDRAULIC CYLINDER |
| 3 | 1 | HYDPMC9012 | 12″ HYDRAULIC CYLINDER |
| 4 | 1 | MON700944 | HYDRAULIC HOSE |
| 5 | 1 | MON700994 | HYDRAULIC HOSE |
| 6 | 1 | SAC74174 | PIVOT ROD |
| 7 | 1 | SAC75955 | FLIP CHUTE ASSEMBLY |
| 8 | 1 | SAC75957 | DISCHARGE ASSEMBLY |
| 9 | 1 | SPLPN71614 | LYNCH PIN |

## MON900509 31″ 3 AUGER DISCHARGE W/O FLIP CHUTE



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HYDPMC9012 | 12″ HYDRAULIC CYLINDER |
| 2 | 1 | SAC74250 | CYLINDER PIN |
| 3 | 1 | SAC75957 | DISCHARGE ASSEMBLY |
| 4 | 1 | SPLPN71614 | LYNCH PIN |

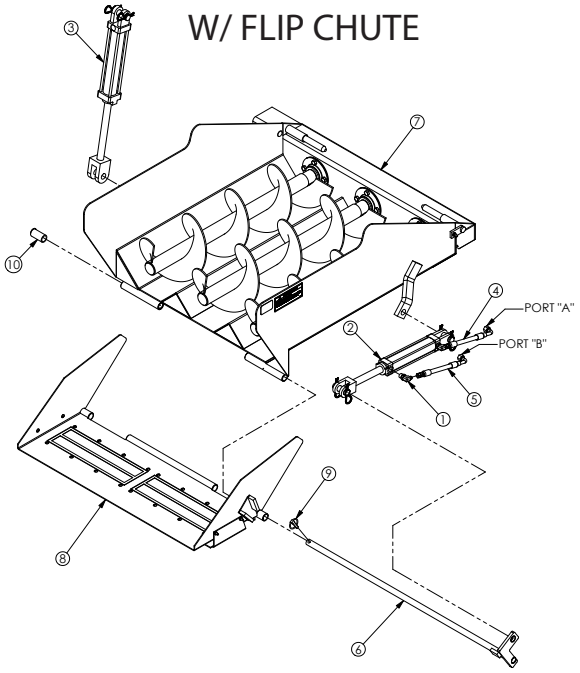
## SAC75957 31″ 3 AUGER DISCHARGE SHELL




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 24 | BLT12X114NC | 1/2X1-1/4 BOLT |
| 2 | 2 | BLT14X112EL | 1/4X1-1/2 ELEVATOR BOLT |
| 3 | 6 | BRG80MM4GR45 | GREASABLE BEARING FLANGE |
| 4 | 6 | BRG80MSC2 | BEARING FLANGE |
| 5 | 6 | BRGHPS104TR | BEARING |
| 6 | 24 | NUT12NC | 1/2″ NUT |
| 7 | 2 | NUT14NC | 1/4″ NUT |
| 8 | 3 | SAC73055 | BEARING SEAL |
| 9 | 3 | SAC73563 | HEX SHAFT |
| 10 | 1 | SAC74152 | SPROCKET |
| 11 | 2 | SAC74153 | DOUBLE SPROCKET |
| 12 | 2 | SAC74170 | HINGE PIN |
| 13 | 3 | SAC74172 | DRAIN DOOR |
| 14 | 1 | SAC74175 | DISCHARGE SHELL WELDMENT |
| 15 | 3 | SAC74176 | AUGER WELDMENT |
| 16 | 2 | SAC75953 | 60 ROLLER CHAIN (50P) |
| 17 | 1 | SAC75956 | 60 ROLLER CHAIN (52P) |
| 18 | 3 | SPRP516X2 | 5/16X2 ROLL PIN |
| 19 | 24 | WSH12LOCK | 1/2″ LOCK WASHER |
| 20 | 2 | WSH14FLAT | 1/4″ FLAT WASHER |
| 21 | 2 | WSH14LOCK | 1/4″ LOCK WASHER |

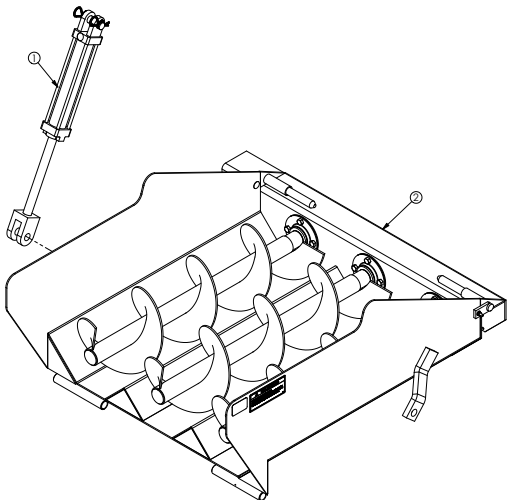
# DISCHARGE ASSEMBLIES

## MON900506 39" 3 AUGER DISCHARGE W/ FLIP CHUTE



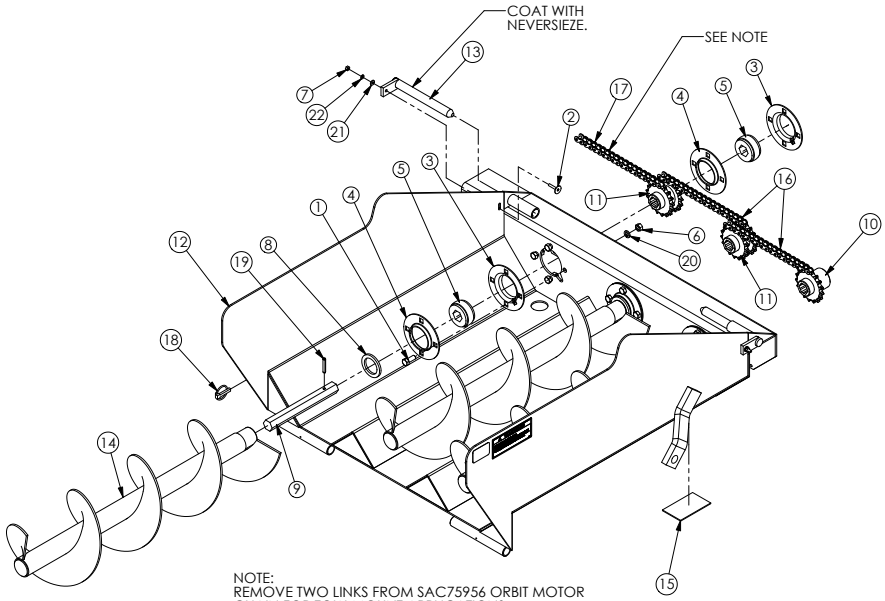

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | HYD6801-6-8 | HYDRAULIC ELBOW FITTING |
| 2 | 1 | HYDPMC8408 | 8" HYDRAULIC CYLINDER |
| 3 | 1 | HYDPMC8410 | 10" HYDRAULIC CYLINDER |
| 4 | 1 | MON700944 | HYDRAULIC HOSE |
| 5 | 1 | MON700994 | HYDRAULIC HOSE |
| 6 | 1 | SAC74174 | PIVOT ROD |
| 7 | 1 | SAC75954 | DISCHARGE ASSEMBLY |
| 8 | 1 | SAC75955 | FLIP CHUTE ASSEMBLY |
| 9 | 1 | SPLPN71614 | LYNCH PIN |
| 10 | 1 | STI511051 | SPACER TUBE |

## MON900510 39" 3 AUGER DISCHARGE W/O FLIP CHUTE



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HYDMC8410 | 10" HYDRAULIC CYLINDER |
| 2 | 1 | SAC75954 | DISCHARGE ASSEMBLY |

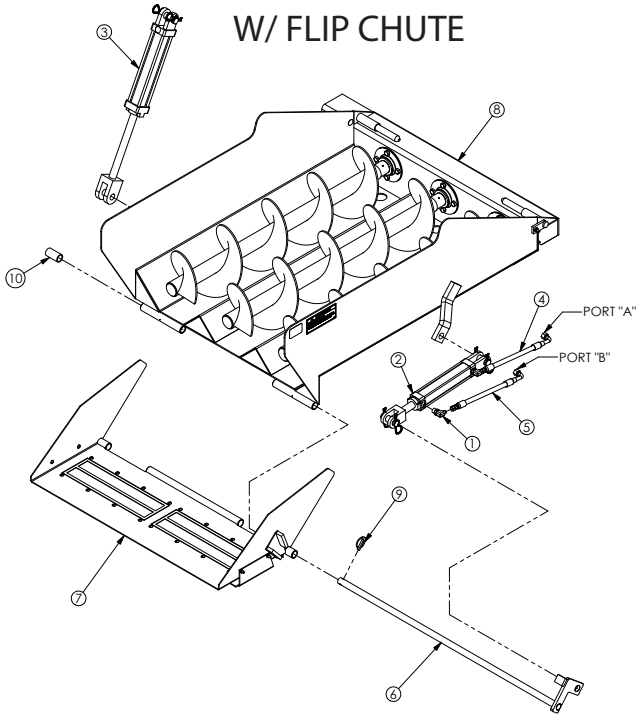
## SAC75954 39" 3 AUGER DISCHARGE SHELL




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 24 | BLT12X114NC | 1/2X1-1/4 BOLT |
| 2 | 2 | BLT14X112EL | 1/4X1-1/2 ELEVATOR BOLT |
| 3 | 6 | BRG80MM4GR45 | GREASABLE BEARING FLANGE |
| 4 | 6 | BRG80MSC2 | BEARING FLANGE |
| 5 | 6 | BRGHPS104TR | BEARING |
| 6 | 24 | NUT12NC | 1/2" NUT |
| 7 | 2 | NUT14NC | 1/4" NUT |
| 8 | 3 | SAC73055 | BEARING SEAL |
| 9 | 3 | SAC73563 | HEX SHAFT |
| 10 | 1 | SAC74152 | SPROCKET |
| 11 | 2 | SAC74153 | DOUBLE SPROCKET |
| 12 | 1 | SAC74169 | DISCHARGE SHELL WELDMENT |
| 13 | 2 | SAC74170 | HINGE PIN |
| 14 | 3 | SAC74171 | AUGER WELDMENT |
| 15 | 3 | SAC74172 | DRAIN DOOR |
| 16 | 2 | SAC75953 | 60 ROLLER CHAIN (50P) |
| 17 | 1 | SAC75956 | 60 ROLLER CHAIN (52P) |
| 18 | 1 | SPLPN71614 | LYNCH PIN |
| 19 | 3 | SPRP516X2 | 5/16X2 ROLL PIN |
| 20 | 24 | WSH12LOCK | 1/2" LOCK WASHER |
| 21 | 2 | WSH14FLAT | 1/4" FLAT WASHER |
| 22 | 2 | WSH14LOCK | 1/4" LOCK WASHER |

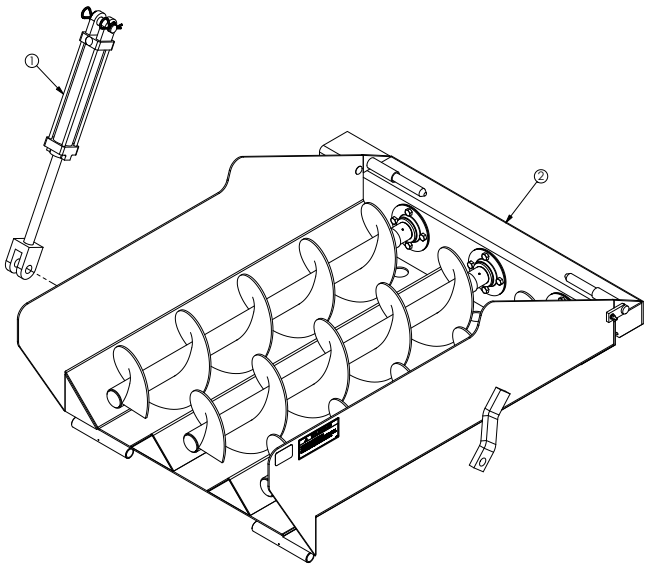
# DISCHARGE ASSEMBLIES

## MON900507 48" 3 AUGER DISCHARGE W/ FLIP CHUTE



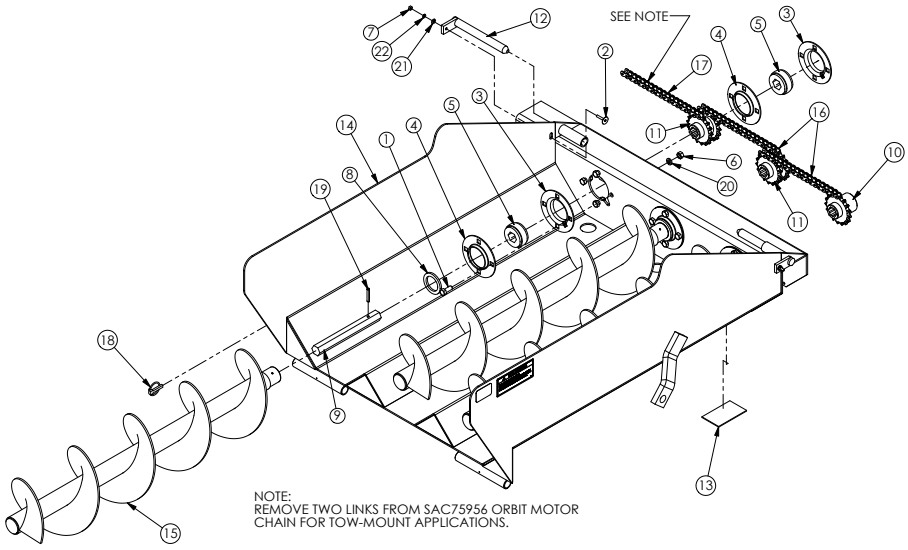

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | HYD6801-6-8 | HYDRAULIC ELBOW FITTING |
| 2 | 1 | HYDPMC8408 | 8" HYDRAULIC CYLINDER |
| 3 | 1 | HYDPMC9012 | 12" HYDRAULIC CYLINDER |
| 4 | 1 | MON701445 | HYDRAULIC HOSE |
| 5 | 1 | MON701446 | HYDRAULIC HOSE |
| 6 | 1 | SAC74174 | PIVOT ROD |
| 7 | 1 | SAC75955 | FLIP CHUTE ASSEMBLY |
| 8 | 1 | SAC75960 | DISCHARGE ASSEMBLY |
| 9 | 1 | SPLPN71614 | LYNCH PIN |
| 10 | 1 | STI511051 | SPACER TUBE |

## MON900511 48" 3 AUGER DISCHARGE W/O FLIP CHUTE



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HYDPMC9012 | 12" HYDRAULIC CYLINDER |
| 2 | 1 | SAC75960 | DISCHARGE ASSEMBLY |

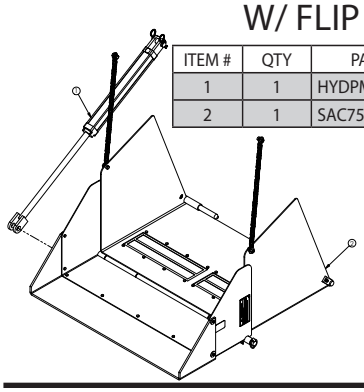
## SAC75960 48" 3 AUGER DISCHARGE SHELL




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 24 | BLT12X114NC | 1/2X1-1/4 BOLT |
| 2 | 2 | BLT14X112EL | 1/4X1-1/2 ELEVATOR BOLT |
| 3 | 6 | BRG80MM4GR45 | GREASABLE BEARING FLANGE |
| 4 | 6 | BRG80MSC2 | BEARING FLANGE |
| 5 | 6 | BRGHPS104TR | BEARING |
| 6 | 24 | NUT12NC | 1/2" NUT |
| 7 | 2 | NUT14NC | 1/4" NUT |
| 8 | 3 | SAC73055 | BEARING SEAL |
| 9 | 3 | SAC73563 | HEX SHAFT |
| 10 | 1 | SAC74152 | SPROCKET |
| 11 | 2 | SAC74153 | DOUBLE SPROCKET |
| 12 | 2 | SAC74170 | HINGE PIN |
| 13 | 3 | SAC74172 | DRAIN DOOR |
| 14 | 1 | SAC74180 | DISCHARGE SHELL WELDMENT |
| 15 | 3 | SAC74183 | AUGER WELDMENT |
| 16 | 2 | SAC75953 | 60 ROLLER CHAIN (50P) |
| 17 | 1 | SAC75956 | 60 ROLLER CHAIN (52P) |
| 18 | 1 | SPLPN71614 | LYNCH PIN |
| 19 | 3 | SPRP516X2 | 5/16X2 ROLL PIN |
| 20 | 24 | WSH12LOCK | 1/2" LOCK WASHER |
| 21 | 2 | WSH14FLAT | 1/4" FLAT WASHER |
| 22 | 2 | WSH14LOCK | 1/4" LOCK WASHER |

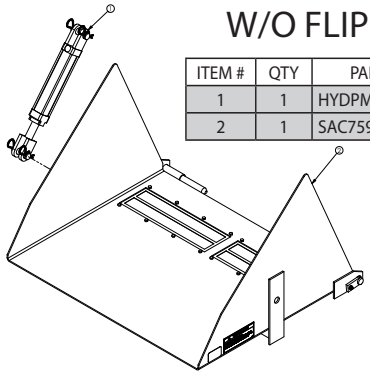
# DISCHARGE ASSEMBLIES

## MON900508 SLIDE TRAY DISCHARGE W/ FLIP CHUTE



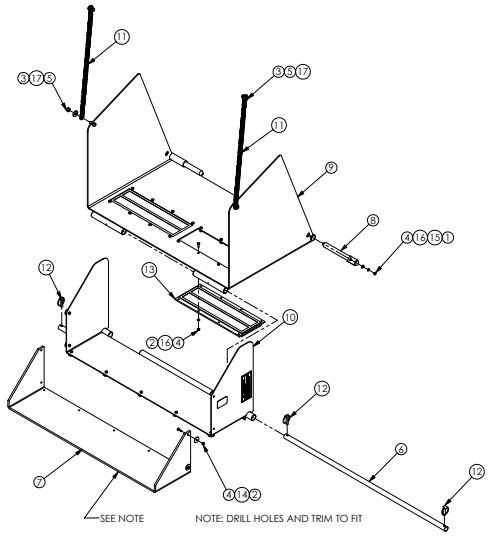
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HYDPMC9016 | 16" HYDRAULIC CYLINDER |
| 2 | 1 | SAC75958 | DISCHARGE ASSEMBLY |

## MON900512 SLIDE TRAY DISCHARGE W/O FLIP CHUTE



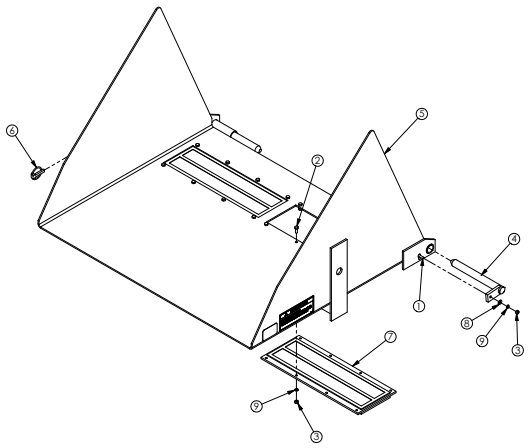
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | HYDPMC8408 | 8" HYDRAULIC CYLINDER |
| 2 | 1 | SAC75961 | DISCHARGE ASSEMBLY |

## SAC75958 SLIDE TRAY DISCHARGE SHELL



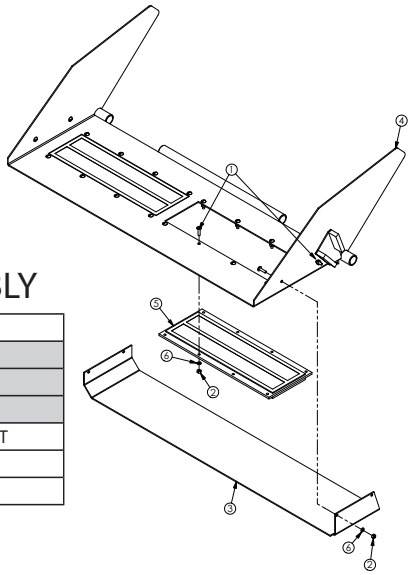

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT14X1ONC | 1/4X1 TRUSS HEAD BOLT |
| 2 | 25 | BLT14X34NC | 1/4X3/4 BOLT |
| 3 | 4 | BLT716X1NC | 7/16X1 BOLT |
| 4 | 27 | NUT14NC | 1/4" NUT |
| 5 | 4 | NUT716NC | 7/16" NUT |
| 6 | 1 | SAC73585 | HINGE ROD |
| 7 | 1 | SAC73586 | EXTENSION BELT |
| 8 | 2 | SAC74170 | HINGE PIN |
| 9 | 1 | SAC74177 | DISCHARGE SHELL WELDMENT |
| 10 | 1 | SAC74178 | CHUTE WELDMENT |
| 11 | 2 | SAC75959 | SUPPORT CHAIN |
| 12 | 3 | SPLPN71614 | LYNCH PIN |
| 13 | 2 | SPMAGNET1850 | MAGNET |
| 14 | 9 | WSH14FENSS | 1/4" FENDER WASHER |
| 15 | 2 | WSH14FLAT | 1/4" FLAT WASHER |
| 16 | 18 | WSH14LOCK | 1/4" LOCK WASHER |
| 17 | 4 | WSH716FLAT | 7/16" FLAT WASHER |

## SAC75961 SLIDE TRAY DISCHARGE SHELL



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT14X1ONC | 1/4X1 TRUSS HEAD BOLT |
| 2 | 16 | BLT14X34NC | 1/4X3/4 BOLT |
| 3 | 18 | NUT14NC | 1/4" NUT |
| 4 | 2 | SAC74170 | HINGE PIN |
| 5 | 1 | SAC74187 | DISCHARGE SHELL WELDMENT |
| 6 | 1 | SPLPN71614 | LYNCH PIN |
| 7 | 2 | SPMAGNET1850 | MAGNET |
| 8 | 2 | WSH14FLAT | 1/4" FLAT WASHER |
| 9 | 18 | WSH14LOCK | 1/4" LOCK WASHER |

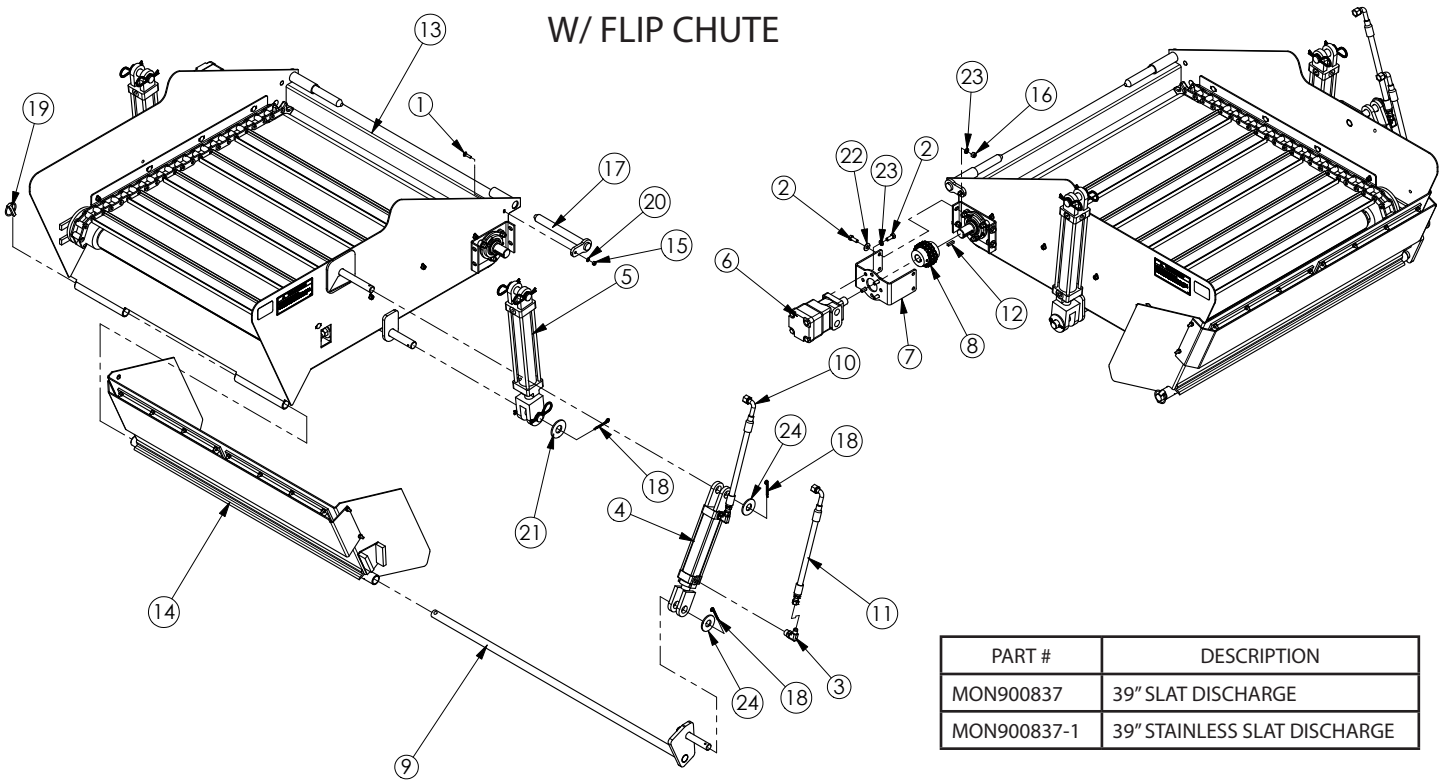
## SAC75955 FLIP CHUTE ASSEMBLY



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 20 | BLT14X1NC | 1/4X1 BOLT |
| 2 | 20 | NUT14NC | 1/4" NUT |
| 3 | 1 | SAC73556 | MAGNET GUARD |
| 4 | 1 | SAC74173 | DISCHARGE CHUTE WELDMENT |
| 5 | 2 | SPMAGNET1850 | MAGNET |
| 6 | 20 | WSH14LOCK | 1/4" LOCK WASHER |

# DISCHARGE ASSEMBLIES

## MON900837 39" 3 SLAT DISCHARGE W/ FLIP CHUTE

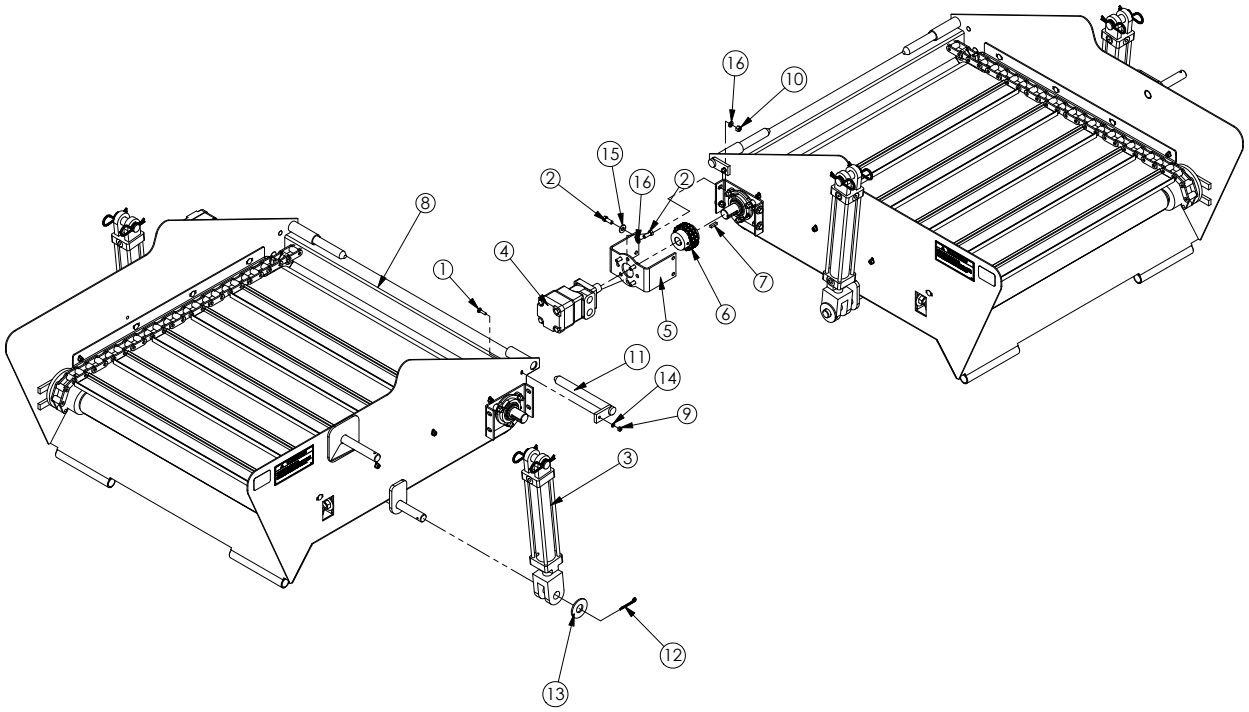



| PART # | DESCRIPTION |
|---|---|
| MON900837 | 39" SLAT DISCHARGE |
| MON900837-1 | 39" STAINLESS SLAT DISCHARGE |

| ITEM # | MON900837 QTY | MON900837-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT14X1CNC | 1/4X1 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 2 | 2 | HYD6801-6-8 | ELBOW ADAPTER |
| 4 | 1 | 1 | HYDPMC8406 | 6" CYLINDER |
| 5 | 2 | 2 | HYDPMC8410 | 10" CYLINDER |
| 6 | 1 | 1 | KN173568 | ORBIT MOTOR |
| 7 | 1 | 1 | MON100925 | DRIVE MOTOR BRACKET |
| 8 | 1 | 1 | MON700143 | CHAIN COUPLER |
| 9 | 1 | 1 | MON701325 | HINGE ROD |
| 10 | 1 | 1 | MON701445 | HYDRAULIC HOSE |
| 11 | 1 | 1 | MON701446 | HYDRAULIC HOSE |
| 12 | 1 | 1 | MON800026 | 1/4X1/4X1 KEY |
| 13 | 1 | 0 | MON900838 | 39" SLAT DISCHARGE ASSY |
| | 0 | 1 | MON900838-1 | 39" STAINLESS DISCHARGE ASSY |
| 14 | 1 | 1 | MON900839 | MAGNETIC FLIP CHUTE |
| 15 | 2 | 2 | NUT14NC | 1/4" NUT |
| 16 | 4 | 4 | NUT38NC | 3/8" NUT |
| 17 | 2 | 2 | SAC74170 | HINGE PIN |
| 18 | 4 | 4 | SPCP316X2 | 3/16X2 COTTER PIN |
| 19 | 1 | 1 | SPLPN71614 | LYNCH PIN |
| 20 | 2 | 2 | WSH1FLAT | 1" LOCK WASHER |
| 21 | 2 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 22 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |
| 23 | 8 | 8 | WSH38LOCK | 3/8" LOCK WASHER |
| 24 | 2 | 2 | WSH78FLAT | 7/8" FLAT WASHER |

# DISCHARGE ASSEMBLIES

## MON900847 39" SLAT DISCHARGE W/O FLIP CHUTE

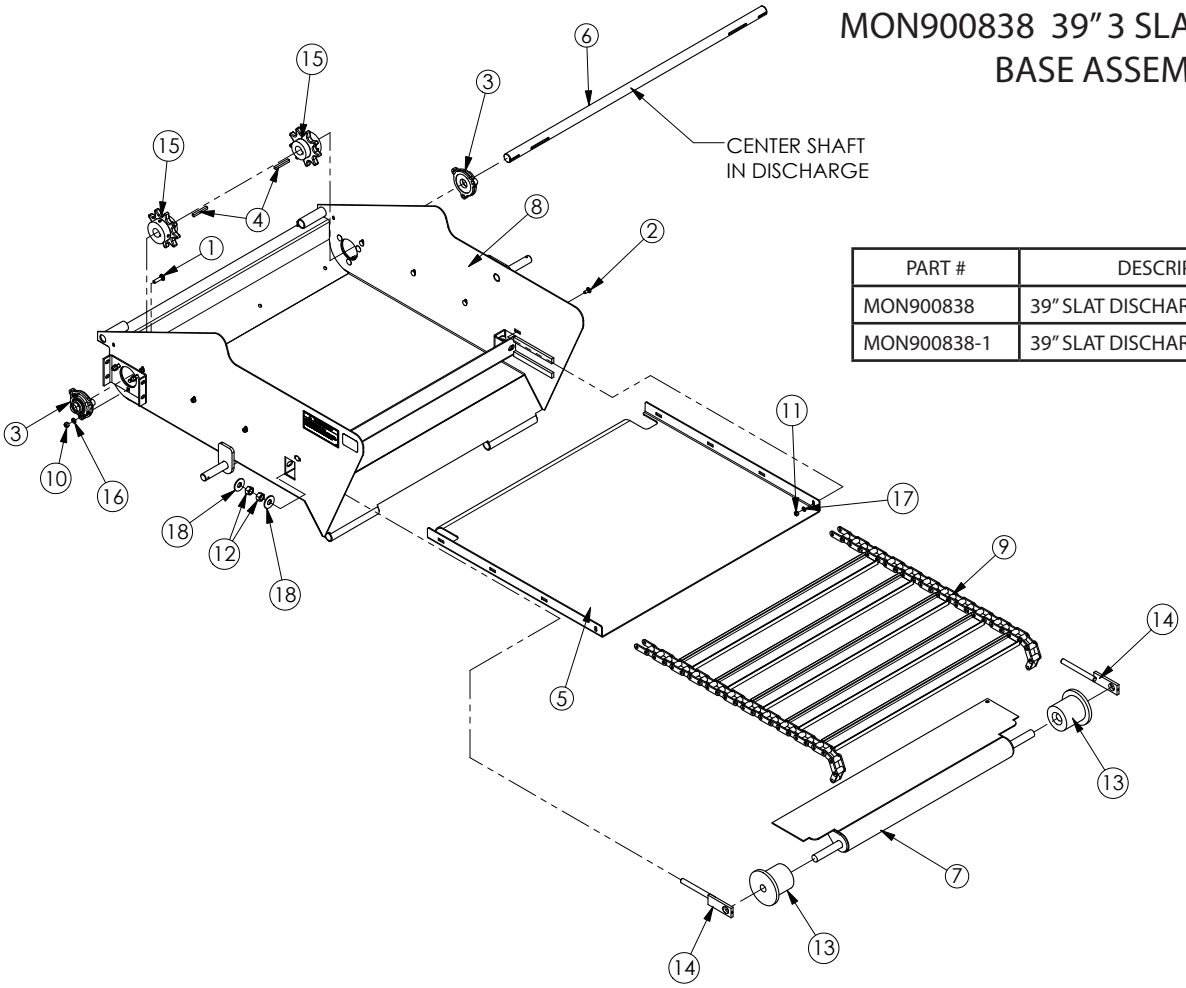



| PART # | DESCRIPTION |
|---|---|
| MON900847 | 39" SLAT DISCHARGE NO FLIP |
| MON900847-1 | 39" STAINLESS SLAT DISCHARGE NO FLIP |

| ITEM # | MON900847 QTY | MON900847-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT14X1CNC | 1/4X1 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 1 | 1 | HYDPMC8410 | 10" CYLINDER |
| 4 | 2 | 2 | KN173568 | ORBIT MOTOR |
| 5 | 1 | 1 | MON100925 | DRIVE MOTOR BRACKET |
| 6 | 1 | 1 | MON700143 | DRIVE COUPLER |
| 7 | 1 | 1 | MON800026 | 1/4X1/4X1 KEY |
| 8 | 1 | 0 | MON900838 | 39" SLAT DISCHARGE ASSY |
| | 0 | 1 | MON900838-1 | 39" STAINLESS DISCHARGE ASSY |
| 9 | 2 | 2 | NUT14NC | 1/4" NUT |
| 10 | 4 | 4 | NUT38NC | 3/8" NUT |
| 11 | 2 | 2 | SAC74170 | HINGE PIN |
| 12 | 2 | 2 | SPCP316X2 | 3/16X2 COTTER PIN |
| 13 | 2 | 2 | WSH1FLAT | 1" FLAT WASHER |
| 14 | 2 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 15 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |
| 16 | 8 | 8 | WSH38LOCK | 3/8" LOCK WASHER |

# DISCHARGE ASSEMBLIES

## MON900838 39" 3 SLAT DISCHARGE BASE ASSEMBLY

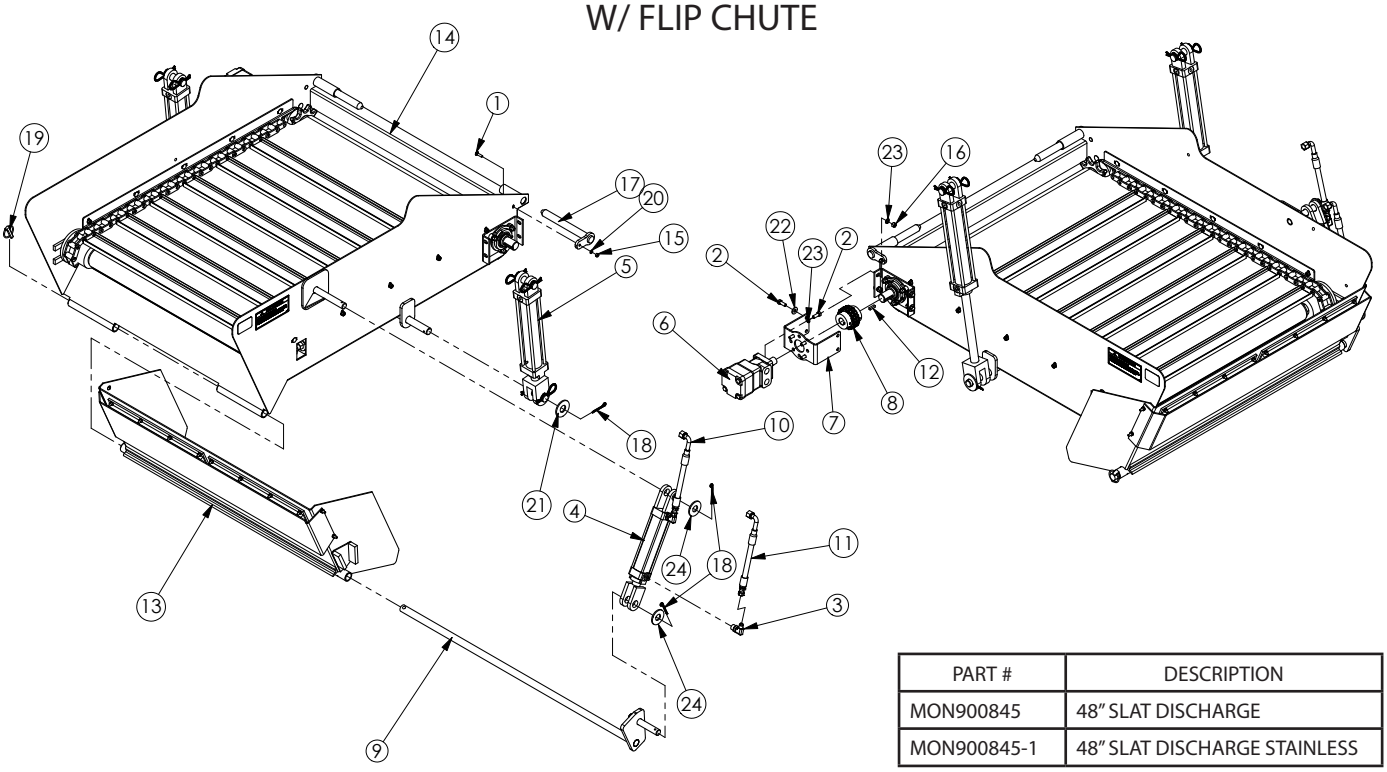



| PART # | DESCRIPTION |
|---|---|
| MON900838 | 39" SLAT DISCHARGE |
| MON900838-1 | 39" SLAT DISCHARGE STAINLESS |

| ITEM # | MON900838 QTY | MON900838-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 6 | 6 | BLT38X112CNC | 3/8X1-1/2 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT516X34CNC | 5/16X3/4 CARRIAGE BOLT |
| 3 | 2 | 2 | BRGFYG220N | 3 BOLT FLANGE BEARING |
| 4 | 2 | 2 | MON100866 | 5/16X2-1/2 SQUARE KEY |
| 5 | 1 | 0 | MON103320 | DISCHARGE PAN |
| | 0 | 1 | MON103320-1 | STAINLESS DISCHARGE PAN |
| 6 | 1 | 1 | MON103335 | DRIVE SHAFT |
| 7 | 1 | 1 | MON700511 | FLOOR EXTENSION |
| 8 | 1 | 0 | MON701322 | DISCHARGE SHELL |
| | 0 | 1 | MON701322-1 | STAINLESS DISCHARGE SHELL |
| 9 | 1 | 1 | MON701323 | DISCHARGE SLAT CHAIN |
| 10 | 6 | 6 | NUT38NC | 3/8" NUT |
| 11 | 8 | 8 | NUT516NC | 5/16" NUT |
| 12 | 4 | 4 | NUT58SS | 5/8" STAINLESS NUT |
| 13 | 2 | 2 | SAC10106 | IDLER ROLLER |
| 14 | 2 | 2 | SAC10123 | CHAIN TIGHTENER |
| 15 | 2 | 2 | SAC10201 | CHAIN DRIVE SPROCKET |
| 16 | 6 | 6 | WSH38LOCK | 3/8" LOCK WASHER |
| 17 | 8 | 8 | WSH516LOCK | 5/16" LOCK WASHER |
| 18 | 4 | 4 | WSH58FLAT | 5/8" FLAT WASHER |

# DISCHARGE ASSEMBLIES

## MON900845 48" 3 SLAT DISCHARGE W/ FLIP CHUTE

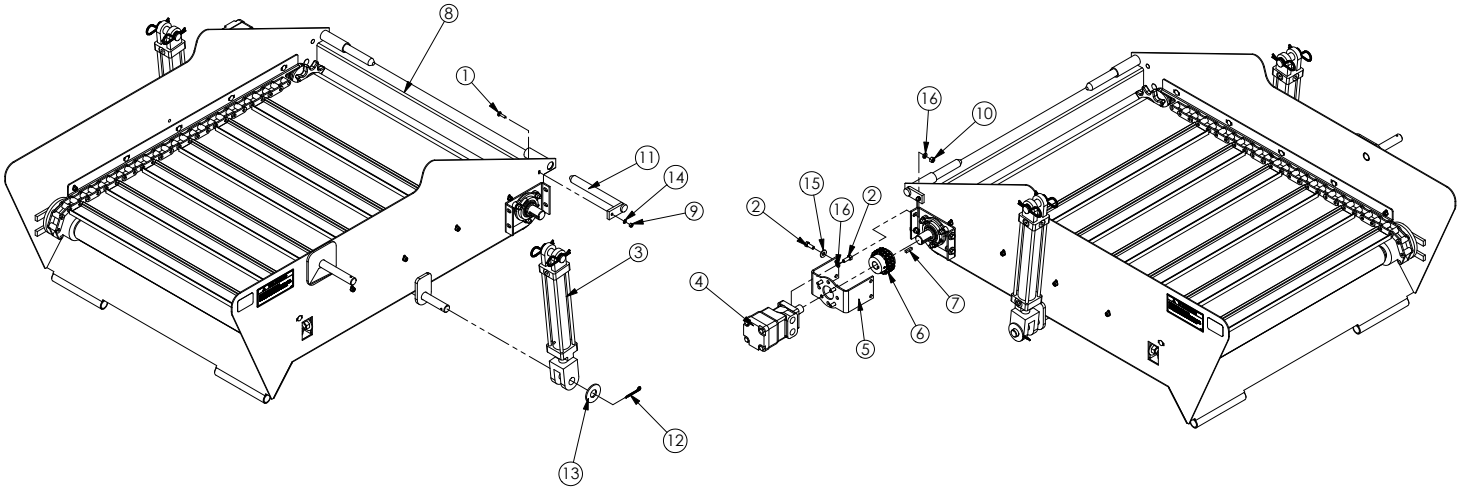



| PART # | DESCRIPTION |
|---|---|
| MON900845 | 48" SLAT DISCHARGE |
| MON900845-1 | 48" SLAT DISCHARGE STAINLESS |

| ITEM # | MON900845 QTY | MON900845-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT14X1CNC | 1/4X1 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 2 | 2 | HYD6801-6-8 | ELBOW ADAPTER |
| 4 | 1 | 1 | HYDPMC8406 | 6" CYLINDER |
| 5 | 2 | 2 | HYDPMC8410 | 10" CYLINDER |
| 6 | 1 | 1 | KN173568 | ORBIT MOTOR |
| 7 | 1 | 1 | MON100925 | DRIVE MOTOR BRACKET |
| 8 | 1 | 1 | MON700143 | DRIVE COUPLER |
| 9 | 1 | 1 | MON701325 | FLIP HINGE ROD |
| 10 | 1 | 1 | MON701550 | HYDRAULIC HOSE |
| 11 | 1 | 1 | MON701551 | HYDRAULIC HOSE |
| 12 | 1 | 1 | MON800026 | 1/4X1/4X1 KEY |
| 13 | 1 | 1 | MON900839 | MAGNETIC FLIP CHUTE |
| 14 | 1 | 0 | MON900846 | 48" DISCHARGE ASSY |
| | 0 | 1 | MON900846-1 | 48" STAINLESS DISCHARGE ASSY |
| 15 | 2 | 2 | NUT14NC | 1/4" NUT |
| 16 | 4 | 4 | NUT38NC | 3/8" NUT |
| 17 | 2 | 2 | SAC74170 | HINGE PIN |
| 18 | 4 | 4 | SPCP316X2 | 3/16X2 COTTER PIN |
| 19 | 1 | 1 | SPLPN71614 | LYNCH PIN |
| 20 | 2 | 2 | WSH1FLAT | 1" FLAT WASHER |
| 21 | 2 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 22 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |
| 23 | 8 | 8 | WSH38LOCK | 3/8" LOCK WASHER |
| 24 | 2 | 2 | WSH78FLAT | 7/8" FLAT WASHER |

# DISCHARGE ASSEMBLIES

## MON900848 48" SLAT DISCHARGE
## W/O FLIP CHUTE

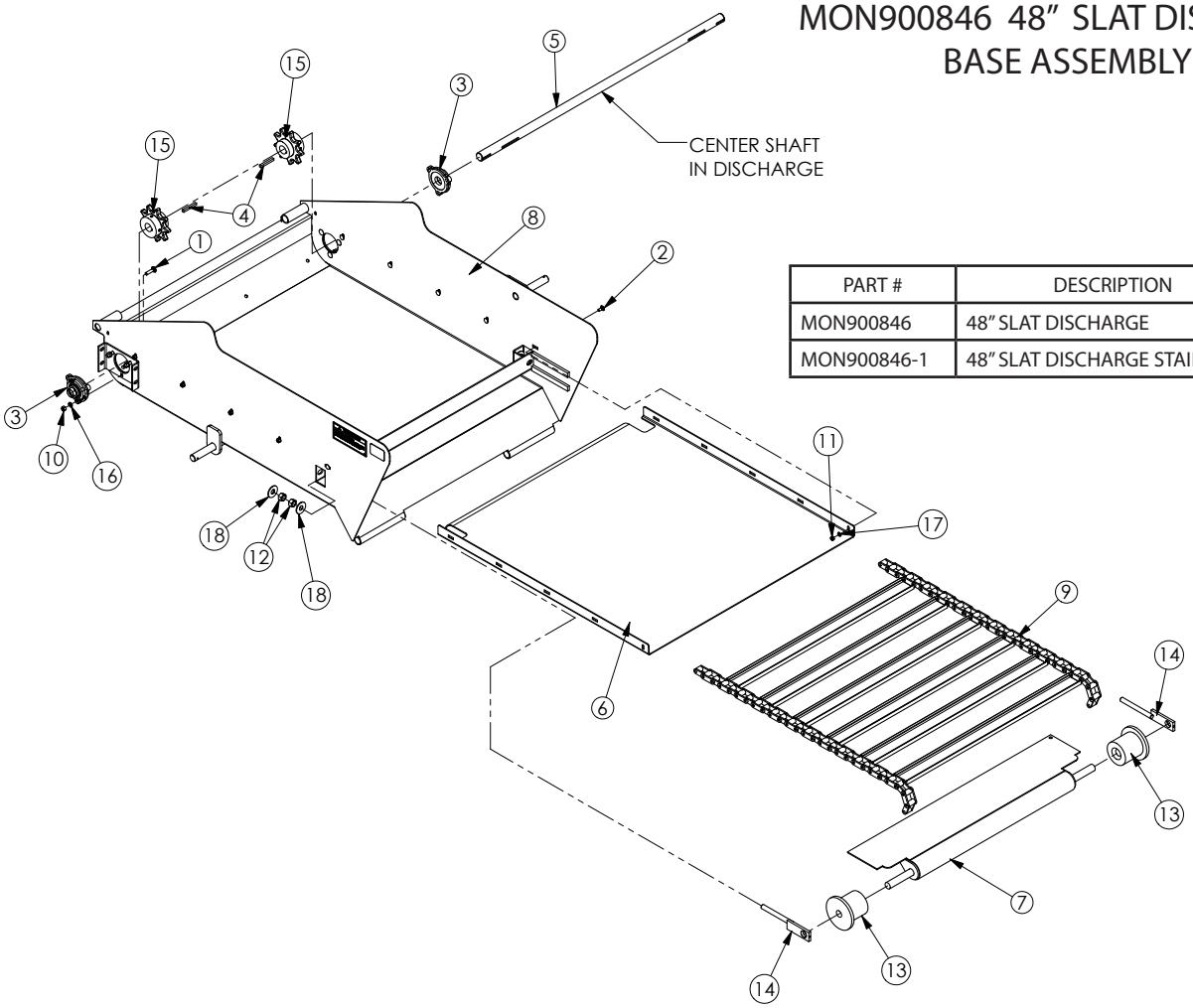



| PART # | DESCRIPTION |
|---|---|
| MON900848 | 48" SLAT DISCHARGE NO FLIP |
| MON900848-1 | 48" STAINLESS SLAT DISCHARGE NO FLIP |

| ITEM # | MON900848 QTY | MON900848-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT14X1CNC | 1/4X1 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 1 | 1 | HYDPMC8410 | 10" CYLINDER |
| 4 | 2 | 2 | KN173568 | ORBIT MOTOR |
| 5 | 1 | 1 | MON100925 | DRIVE MOTOR BRACKET |
| 6 | 1 | 1 | MON700143 | DRIVE COUPLER |
| 7 | 1 | 1 | MON800026 | 1/4X1/4X1 KEY |
| 8 | 1 | 0 | MON900846 | 48" SLAT DISCHARGE ASSY |
| | 0 | 1 | MON900846-1 | 48" STAINLESS DISCHARGE ASSY |
| 9 | 2 | 2 | NUT14NC | 1/4" NUT |
| 10 | 4 | 4 | NUT38NC | 3/8" NUT |
| 11 | 2 | 2 | SAC74170 | HINGE PIN |
| 12 | 2 | 2 | SPCP316X2 | 3/16X2 COTTER PIN |
| 13 | 2 | 2 | WSH1FLAT | 1" FLAT WASHER |
| 14 | 2 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 15 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |
| 16 | 8 | 8 | WSH38LOCK | 3/8" LOCK WASHER |

# DISCHARGE ASSEMBLIES

## MON900846 48" SLAT DISCHARGE BASE ASSEMBLY

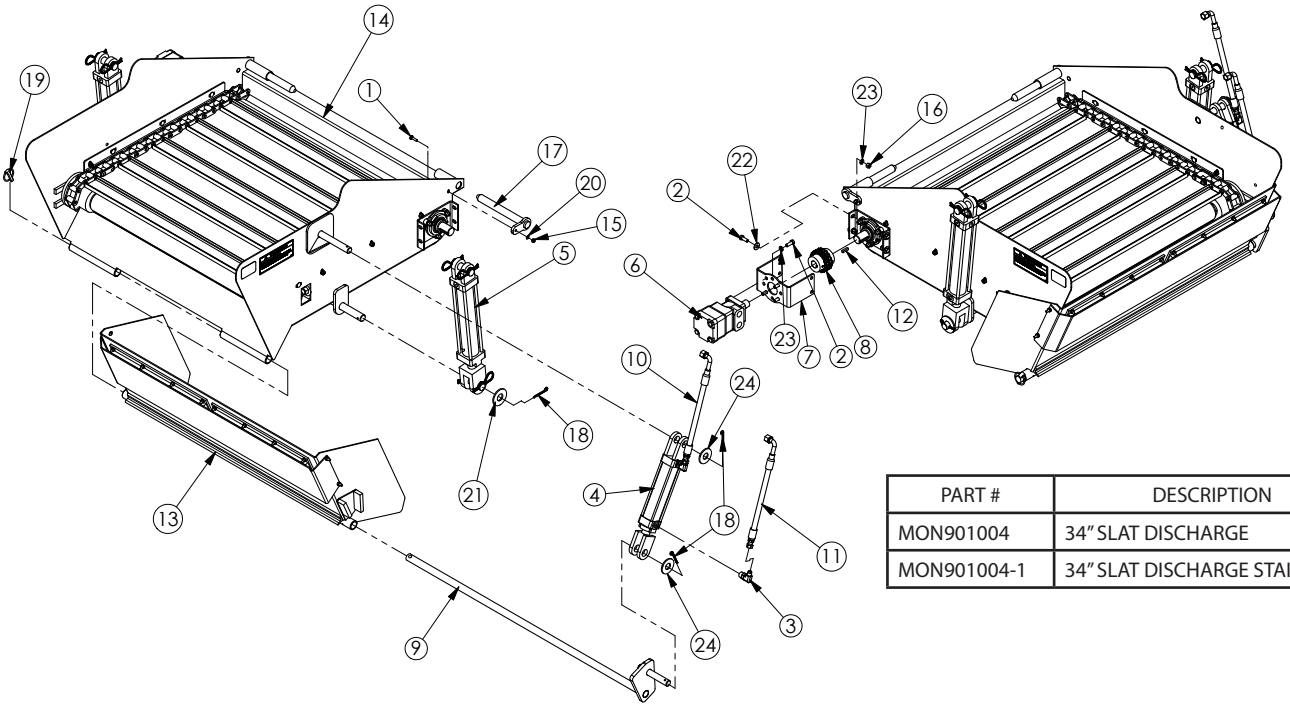



| PART # | DESCRIPTION |
|---|---|
| MON900846 | 48" SLAT DISCHARGE |
| MON900846-1 | 48" SLAT DISCHARGE STAINLESS |

| ITEM # | MON900846 QTY | MON900846-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 6 | 6 | BLT38X112CNC | 3/8X1-1/2 CARRIAGE BOLT |
| 2 | 10 | 10 | BLT516X34CNC | 5/16X3/4 CARRIAGE BOLT |
| 3 | 2 | 2 | BRGFYG220N | 3 BOLT FLANGE BEARING |
| 4 | 2 | 2 | MON100866 | 5/16X2-1/2 SQUARE KEY |
| 5 | 1 | 0 | MON103353 | DISCHARGE PAN |
| | 0 | 1 | MON103353-1 | STAINLESS DISCHARGE PAN |
| 7 | 1 | 1 | MON700511 | FLOOR EXTENSION |
| 8 | 1 | 0 | MON701338 | DISCHARGE SHELL |
| | 0 | 1 | MON701338-1 | STAINLESS DISCHARGE SHELL |
| 9 | 1 | 1 | MON701339 | DISCHARGE SLAT CHAIN |
| 10 | 6 | 6 | NUT38NC | 3/8" NUT |
| 11 | 10 | 10 | NUT516NC | 5/16" NUT |
| 12 | 4 | 4 | NUT58SS | 5/8" STAINLESS NUT |
| 13 | 2 | 2 | SAC10106 | IDLER ROLLER |
| 14 | 2 | 2 | SAC10123 | CHAIN TIGHTENER |
| 15 | 2 | 2 | SAC10201 | CHAIN DRIVE SPROCKET |
| 16 | 6 | 6 | WSH38LOCK | 3/8" LOCK WASHER |
| 17 | 10 | 10 | WSH516LOCK | 5/16" LOCK WASHER |
| 18 | 4 | 4 | WSH58FLAT | 5/8" FLAT WASHER |

# DISCHARGE ASSEMBLIES

## MON901004 & MON901044-1 34" SLAT DISCHARGES

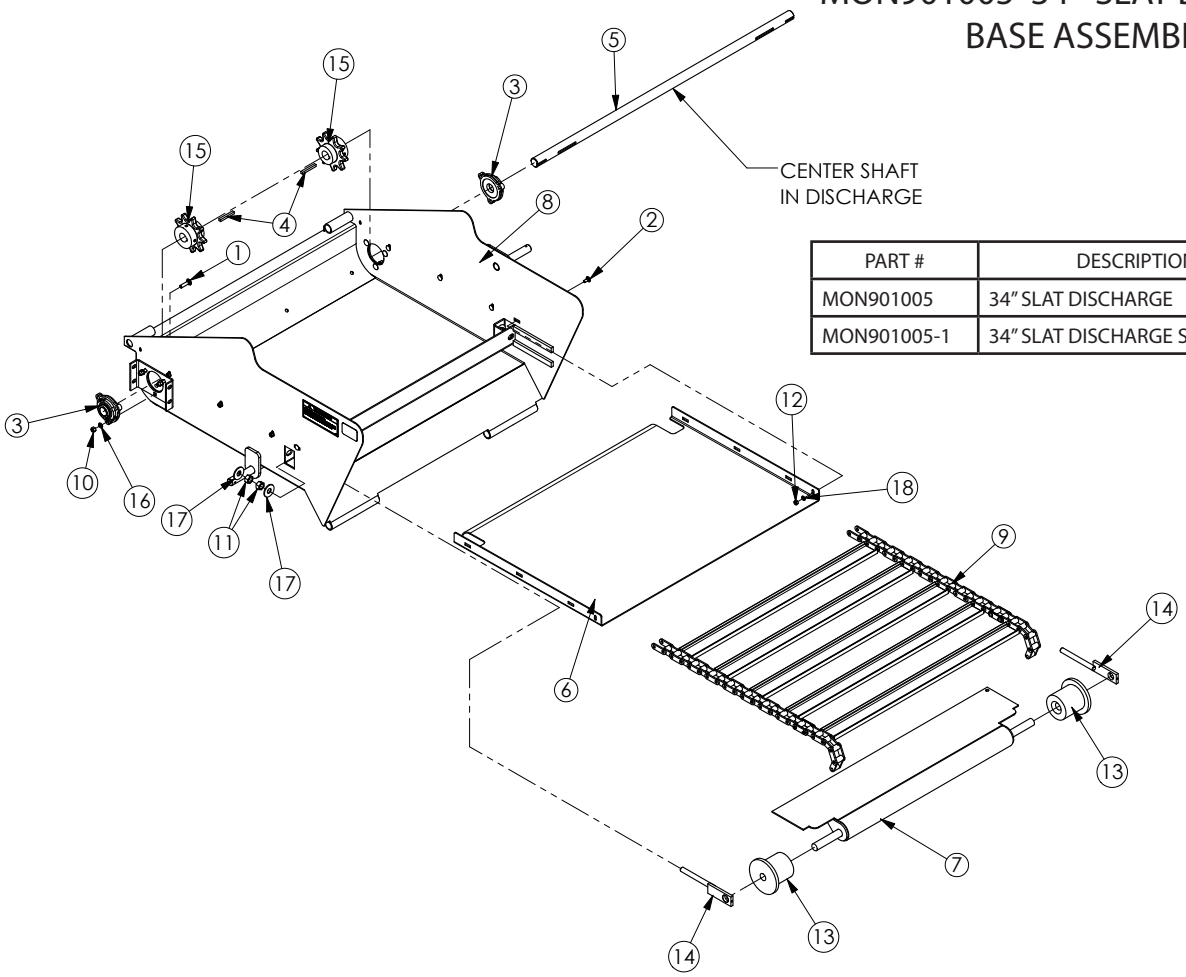



| PART # | DESCRIPTION |
|---|---|
| MON901004 | 34" SLAT DISCHARGE |
| MON901004-1 | 34" SLAT DISCHARGE STAINLESS |

| ITEM # | MON901004 QTY | MON901004-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT14X1CNC | 1/4X1 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 2 | 2 | HYD6801-6-8 | ELBOW ADAPTER |
| 4 | 1 | 1 | HYDPMC8406 | 6" CYLINDER |
| 5 | 2 | 2 | HYDPMC8410 | 10" CYLINDER |
| 6 | 1 | 1 | KN173568 | ORBIT MOTOR |
| 7 | 1 | 1 | MON100925 | DRIVE MOTOR BRACKET |
| 8 | 1 | 1 | MON700143 | DRIVE COUPLER |
| 9 | 1 | 1 | MON701325 | FLIP HINGE ROD |
| 10 | 1 | 1 | MON701445 | HYDRAULIC HOSE |
| 11 | 1 | 1 | MON701446 | HYDRAULIC HOSE |
| 12 | 1 | 1 | MON800026 | 1/4X1/4X1 KEY |
| 13 | 1 | 1 | MON900839 | MAGNETIC FLIP CHUTE |
| 14 | 1 | 0 | MON901005 | 34" DISCHARGE ASSY |
| | 0 | 1 | MON901005-1 | 34" STAINLESS DISCHARGE ASSY |
| 15 | 2 | 2 | NUT14NC | 1/4" NUT |
| 16 | 4 | 4 | NUT38NC | 3/8" NUT |
| 17 | 2 | 2 | SAC74170 | HINGE PIN |
| 18 | 4 | 4 | SPCP316X2 | 3/16X2 COTTER PIN |
| 19 | 1 | 1 | SPLPN71614 | LYNCH PIN |
| 20 | 2 | 2 | WSH1FLAT | 1" FLAT WASHER |
| 21 | 2 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 22 | 4 | 4 | WSH38FLAT | 3/8" FLAT WASHER |
| 23 | 8 | 8 | WSH38LOCK | 3/8" LOCK WASHER |
| 24 | 2 | 2 | WSH78FLAT | 7/8" FLAT WASHER |

# DISCHARGE ASSEMBLIES

## MON901005 34" SLAT DISCHARGE BASE ASSEMBLY

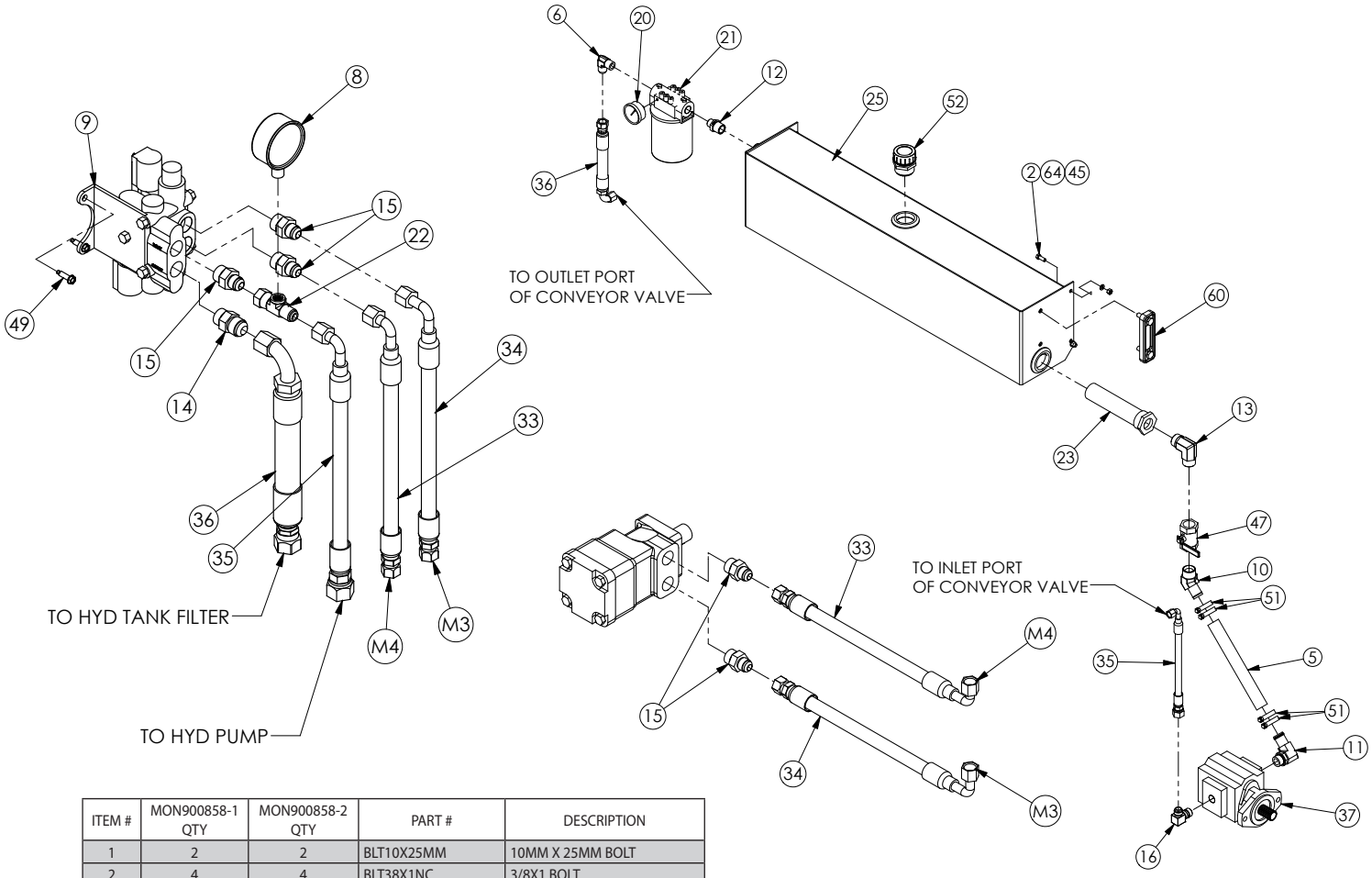



| PART # | DESCRIPTION |
|---|---|
| MON901005 | 34" SLAT DISCHARGE |
| MON901005-1 | 34" SLAT DISCHARGE STAINLESS |

| ITEM # | MON901005 QTY | MON901005-1 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 6 | 6 | BLT38X112CNC | 3/8X1-1/2 CARRIAGE BOLT |
| 2 | 8 | 8 | BLT516X34CNC | 5/16X3/4 CARRIAGE BOLT |
| 3 | 2 | 2 | BRGFYG220N | 3 BOLT FLANGE BEARING |
| 4 | 2 | 2 | MON100866 | 5/16X2-1/2 SQUARE KEY |
| 5 | 1 | 1 | MON103335 | DRIVE SHAFT |
| 6 | 1 | 0 | MON104200 | DISCHARGE PAN |
| | 0 | 1 | MON104200-1 | STAINLESS DISCHARGE PAN |
| 7 | 1 | 1 | MON700511 | FLOOR EXTENSION |
| 8 | 1 | 0 | MON701601 | DISCHARGE SHELL |
| | 0 | 1 | MON701601-1 | STAINLESS DISCHARGE SHELL |
| 9 | 1 | 1 | MON701602 | DISCHARGE SLAT CHAIN |
| 10 | 6 | 6 | NUT38NC | 3/8" NUT |
| 11 | 4 | 4 | NUT58SS | 5/8" STAINLESS NUT |
| 12 | 8 | 8 | NUT516NC | 5/16" NUT |
| 13 | 2 | 2 | SAC10106 | IDLER ROLLER |
| 14 | 2 | 2 | SAC10123 | CHAIN TIGHTENER |
| 15 | 2 | 2 | SAC10201 | CHAIN DRIVE SPROCKET |
| 16 | 6 | 6 | WSH38LOCK | 3/8" LOCK WASHER |
| 17 | 4 | 4 | WSH58FLAT | 5/8" FLAT WASHER |
| 18 | 8 | 8 | WSH516LOCK | 5/16" LOCK WASHER |

# DISCHARGE HYDRAULIC ASSEMBLIES

## MON900858-1 SLAT DISCHARGE (NO FLIP) & MON900858-2 (W/ FLIP)



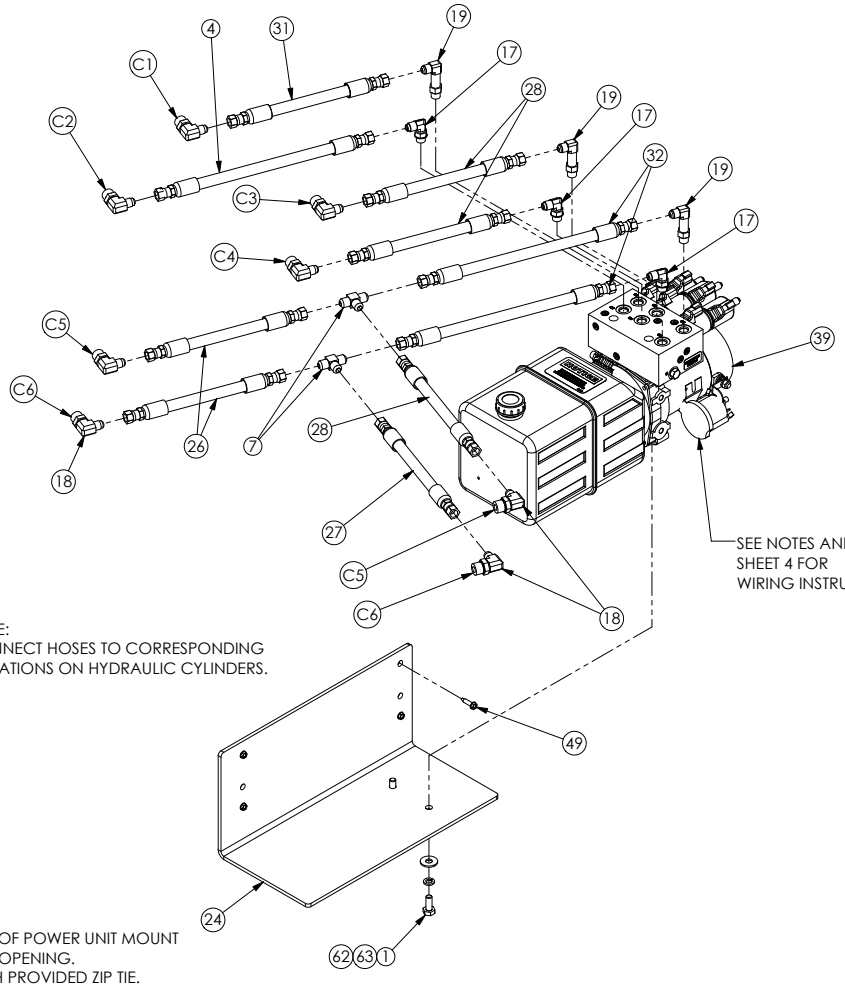

| ITEM # | MON900858-1 QTY | MON900858-2 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 1 | 2 | 2 | BLT10X25MM | 10MM X 25MM BOLT |
| 2 | 4 | 4 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 1 | 0 | DEC623 | POWER WASH DECAL |
| 4 | 0 | 1 | DM700336 | HYD HOSE |
| 5 | 72 | 72 | HYD114SUCHOSE | 1 1/4" SUCTION HOSE |
| 6 | 1 | 1 | HYD2501-12-12 | ELBOW ADAPTER |
| 7 | 2 | 2 | HYD2603-6 | TEE ADAPTER |
| 8 | 1 | 1 | HYD3000FL | PRESSURE GAUGE |
| 9 | 1 | 1 | HYD38A1 | SPOOL VALVE |
| 10 | 1 | 1 | HYD4503-20 | ADAPTER |
| 11 | 1 | 1 | HYD4601-20-16 | ADAPTER |
| 12 | 1 | 1 | HYD5404-16-12 | ADAPTER |
| 13 | 1 | 1 | HYD5500-20-20 | ELBOW FITTING |
| 14 | 1 | 1 | HYD6400-10-10 | ADAPTER |
| 15 | 5 | 5 | HYD6400-8-10 | ADAPTER |
| 16 | 1 | 1 | HYD6801-12-12 | ELBOW ADAPTER |
| 17 | 2 | 3 | HYD6801-6-6 | ELBOW ADAPTER |
| 18 | 6 | 6 | HYD6801-6-8 | ELBOW ADAPTER |
| 19 | 2 | 3 | HYD6801LL-6-6 | ELBOW ADAPTER |
| 20 | 1 | 1 | HYDC120 | PRESSURE GAUGE |
| 21 | 1 | 1 | HYDF11BA | FILTER ASSEMBLY |
| 22 | 1 | 1 | HYDGP6504-8-4P | GAUGE ADAPTER |
| 23 | 1 | 1 | HYDS25100RV3 | STRAINER |
| 24 | 1 | 1 | MON104404 | PWR UNIT MOUNT |
| 25 | 1 | 1 | MON700990 | HYDRAULIC TANK |
| 26 | 2 | 2 | MON701349 | HYDRAULIC HOSE |
| 27 | 1 | 1 | MON701350 | HYDRAULIC HOSE |
| 28 | 3 | 3 | MON701351 | HYDRAULIC HOSE |
| 29 | 0 | -1 | MON701445 | HYDRAULIC HOSE |
| 30 | 0 | -1 | MON701446 | HYDRAULIC HOSE |
| 31 | 0 | 1 | MON701494-1 | HYDRAULIC HOSE |
| 32 | 2 | 2 | MON701583-1 | HYDRAULIC HOSE |
| 33 | 1 | 1 | MON701623-1 | HYDRAULIC HOSE |
| 34 | 1 | 1 | MON701624-1 | HYDRAULIC HOSE |
| 35 | 1 | 1 | MON701664 | HYDRAULIC HOSE |
| 36 | 1 | 1 | MON701665 | HYDRAULIC HOSE |

NOTE: FOR UNITS PRIOR TO N8716, USE HYD POWER UNIT MON901073 FOR REPLACEMENT OF MON701336 AND MON901072-2 FOR REPLACEMENT OF MON701335.

| ITEM # | MON900858-1 QTY | MON900858-2 QTY | PART # | DESCRIPTION |
|---|---|---|---|---|
| 37 | 1 | 1 | MON800598 | HYDRAULIC PUMP |
| 38 | 0 | 1 | MON901071 | POWER UNIT |
| 39 | 1 | 0 | MON800648 | POWER UNIT |
| 45 | 4 | 4 | NUT38NC | 3/8" NUT |
| 46 | 20 | 20 | OILDEXTRON | OIL |
| 47 | 1 | 1 | PFBR114BVALVE | 1 1/4" BALL VALVE |
| 48 | 1 | 1 | SAC73825 | POWER UNIT COVER |
| 49 | 10 | 10 | SP14X1TS | 1/4X1 SELF TAPPING SCREW |
| 50 | 1 | 1 | SPCABLETIEHVY30 | CABLE TIE |
| 51 | 4 | 4 | SPHC125 | HOSE CLAMP |
| 52 | 1 | 1 | STI591765 | BREATHER CAP |
| 53 | 1 | 1 | STI680307 | 2GA CABLE ASSEMBLY |
| 54 | 2 | 2 | STI700201 | LOOM CLAMP |
| 55 | 144 | 144 | STI700221 | HYDRAULIC OIL |
| 56 | 192 | 192 | STI700420 | 1GA BLACK BATTERY CABLE |
| 57 | 6 | 6 | STI700424 | 1G BATTEY CABLE LUG |
| 58 | 1 | 1 | STI701247 | FUSE HOLDER |
| 59 | 1 | 1 | STI702008 | 400 AMP FUSE |
| 60 | 1 | 1 | STI702230 | SIGHT GUAGE |
| 61 | 192 | 192 | STI704497 | 1GA RED BATTERY CABLE |
| 62 | 2 | 2 | WSH10FLATMM | 10MM FLAT WASHER |
| 63 | 2 | 2 | WSH10LOCKMM | 10MM LOCK WASHER |
| 64 | 1 | 1 | WSH38LOCK | 3/8" LOCK WASHER |

# DISCHARGE HYDRAULIC ASSEMBLIES

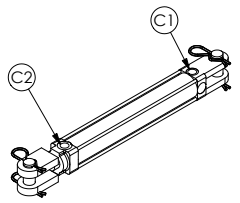
## MON900858-1 SLAT DISCHARGE (NO FLIP) & MON900858-2 (W/ FLIP)



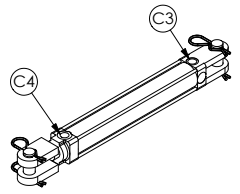

SEE NOTES AND SHEET 4 FOR WIRING INSTRUCTIONS

NOTE:
CONNECT HOSES TO CORRESPONDING LOCATIONS ON HYDRAULIC CYLINDERS.

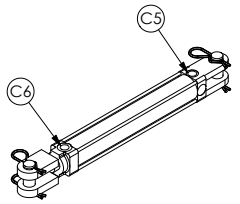
NOTE: LOCATE LEADING EDGE OF POWER UNIT MOUNT 22" BEHIND DISCHARGE DOOR OPENING.
INSTALL SOLENOID COVER WITH PROVIDED ZIP TIE.




FLIP CHUTE CYLINDER



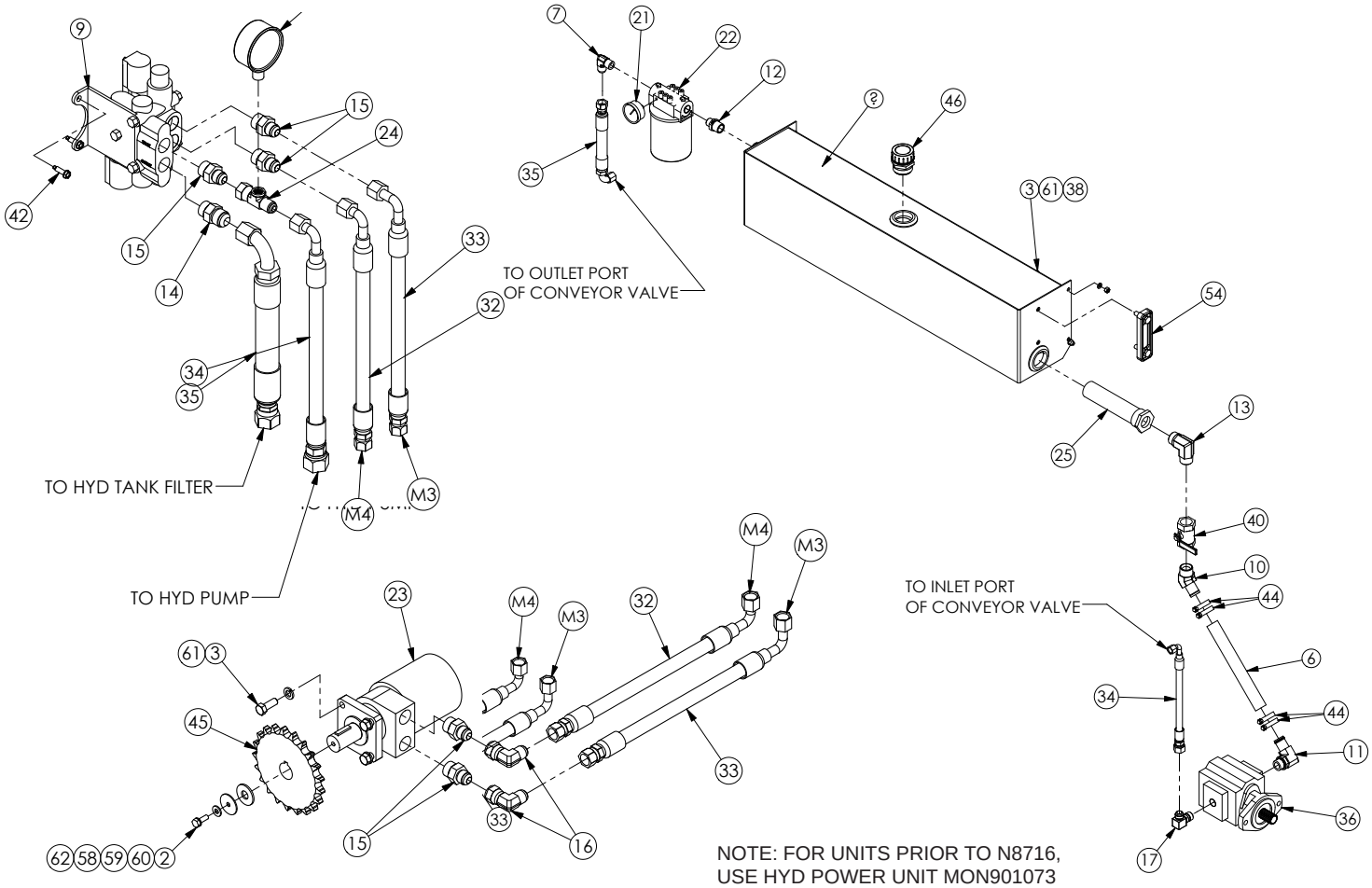

DISCHARGE DOOR CYLINDER




DISCHARGE LIFT CYLINDERS

# DISCHARGE HYDRAULIC ASSEMBLIES

## MON900501 POWER DISCHARGE ASSEMBLY WITH FLIP CHUTE



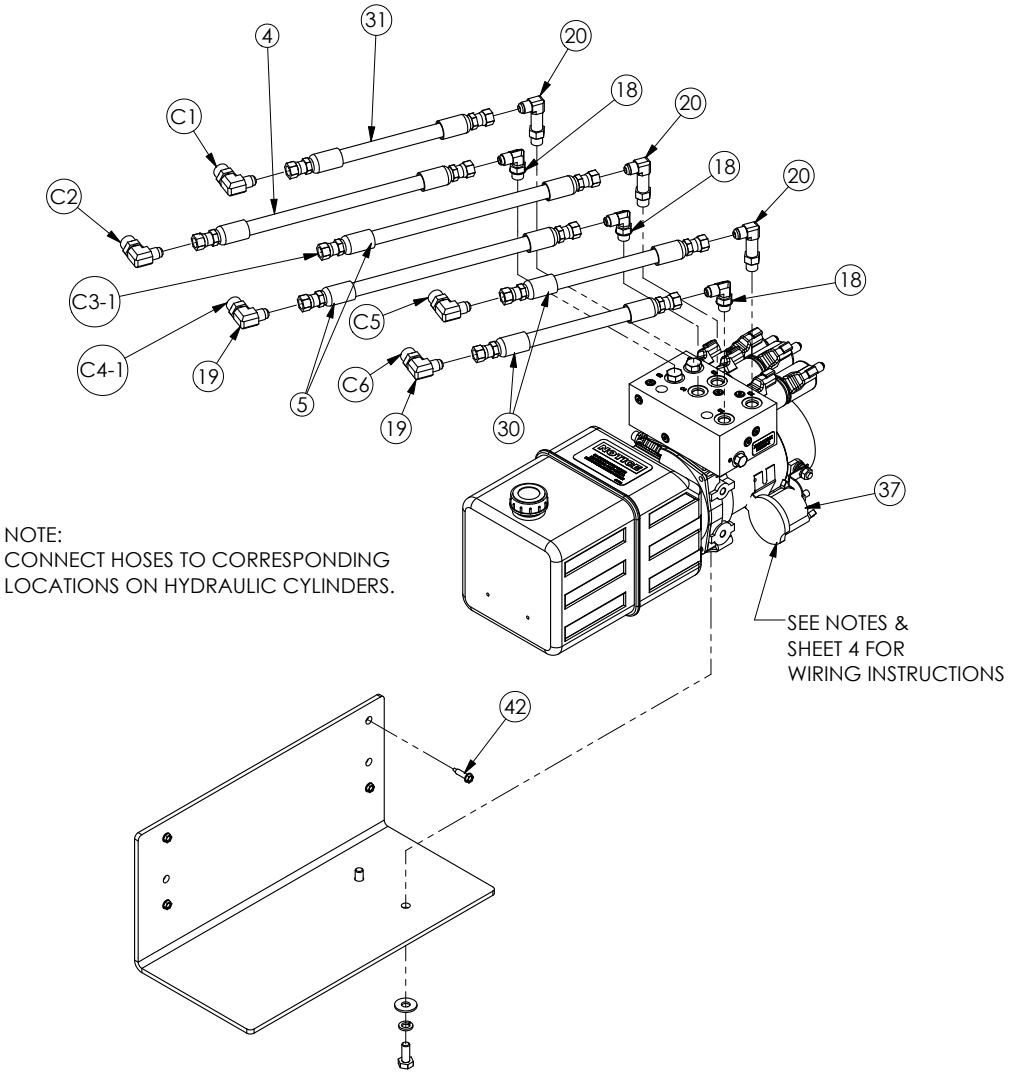

NOTE: FOR UNITS PRIOR TO N8716, USE HYD POWER UNIT MON901073 FOR REPLACEMENT OF MON701336 AND MON901072-2 FOR REPLACEMENT OF MON701335.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT10X25MM | 10MM X25MM BOLT |
| 2 | 1 | BLT14X34NC | 1/4X3/4 BOLT |
| 3 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 4 | 1 | DM700336 | HYDRAULIC HOSE |
| 5 | 2 | DM700478 | HYDRAULIC HOSE |
| 6 | 72 | HYD114SUCHOSE | 1 1/4" SUCTION HOSE |
| 7 | 1 | HYD2501-12-12 | ELBOW ADAPTER |
| 8 | 1 | HYD3000FL | PRESSURE GAUGE |
| 9 | 1 | HYD38A1 | SPOOL VALVE |
| 10 | 1 | HYD4503-20 | ELBOW ADAPTER |
| 11 | 1 | HYD4601-20-16 | UNION ADAPTER |
| 12 | 1 | HYD5404-16-12 | PIPE NIPPLE |
| 13 | 1 | HYD5500-20-20 | ELBOW ADAPTER |
| 14 | 1 | HYD6400-10-10 | UNION ADAPTER |
| 15 | 5 | HYD6400-8-10 | UNION ADAPTER |
| 16 | 2 | HYD6500-8-8 | ELBOW ADAPTER |
| 17 | 1 | HYD6801-12-12 | ELBOW ADAPTER |
| 18 | 3 | HYD6801-6-6 | ELBOW ADAPTER |
| 19 | 4 | HYD6801-6-8 | ELBOW ADAPTER |
| 20 | 3 | HYD6801LL-6-6 | ELBOW ADAPTER |
| 21 | 1 | HYDC120 | PRESSURE GAUGE |
| 22 | 1 | HYDF11BA | FILTER ASSEMBLY |
| 23 | 1 | HYDFH0244FS100A | HYDRAULIC MOTOR |
| 24 | 1 | HYDGP6504-8-4P | GAUGE ADAPTER |
| 25 | 1 | HYDS25100RV3 | STRAINER |
| 26 | 1 | MON104404 | POWER UNIT MOUNT |
| 27 | -1 | MON700944 | HYDRAULIC HOSE |
| 28 | 1 | MON700990 | HYDRAULIC TANK |
| 29 | -1 | MON700994 | HYDRAULIC HOSE |
| 30 | 2 | MON701351 | HYDRAULIC HOSE |
| 31 | 1 | MON701494-1 | HYDRAULIC HOSE |
| 32 | 1 | MON701623-2 | HYDRAULIC HOSE |
| 33 | 1 | MON701624-2 | HYDRAULIC HOSE |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 34 | 1 | MON701664 | HYDRAULIC HOSE |
| 35 | 1 | MON701665 | HYDRAULIC HOSE |
| 36 | 1 | MON800598 | HYDRAULIC PUMP |
| 37 | 1 | MON701071 | POWER UNIT |
| 38 | 4 | NUT38NC | 3/8" NUT |
| 39 | 20 | OILDEXTRON | OIL |
| 40 | 1 | PFBR114BVALVE | 1 1/4" BALL VALVE |
| 41 | 1 | SAC73825 | POWER UNIT COVER |
| 42 | 10 | SP14X1TS | 1/4X1 SELF TAPPING SCREW |
| 43 | 1 | SPCABLETIEHVY30 | CABLE TIE |
| 44 | 4 | SPHC125 | HOSE CLAMP |
| 45 | 1 | SPK60B21X1 | SPROCKET |
| 46 | 1 | STI591765 | BREATHER CAP |
| 47 | 1 | STI680307 | 2GA CABLE ASSEMBLY |
| 48 | 2 | STI700201 | LOOM CLAMP |
| 49 | 144 | STI700221 | HYDRAULIC OIL |
| 50 | 192 | STI700420 | 1GA BLACK BATTERY CABLE |
| 51 | 6 | STI700424 | 1G BATTEY CABLE LUG |
| 52 | 1 | STI702008 | 400 AMP FUSE |
| 53 | 1 | STI701247 | FUSE HOLDER |
| 54 | 1 | STI702230 | SIGHT GAUGE |
| 55 | 192 | STI704497 | 1GA RED BATTERY CABLE |
| 56 | 2 | WSH10FLATMM | #10 MM FLAT WASHER |
| 57 | 2 | WSH10LOCKMM | #10 MM LOCK WASHER |
| 58 | 1 | WSH14FENSS | 1/4" FENDER WASHER |
| 59 | 1 | WSH14FLAT | 1/4" FLAT WASHER |
| 60 | 1 | WSH14LOCK | 1/4" LOCK WASHER |
| 61 | 8 | WSH38LOCK | 3/8" LOCK WASHER |
| 62 | 1 | WSH716FLAT | 7/16" FLAT WASHER |

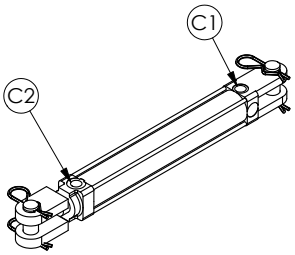
# DISCHARGE HYDRAULIC ASSEMBLIES

## MON900501 POWER DISCHARGE ASSEMBLY WITH FLIP CHUTE

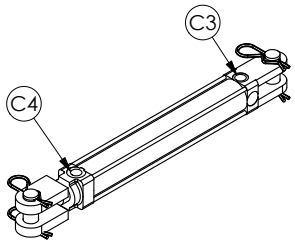



NOTE:
CONNECT HOSES TO CORRESPONDING
LOCATIONS ON HYDRAULIC CYLINDERS.

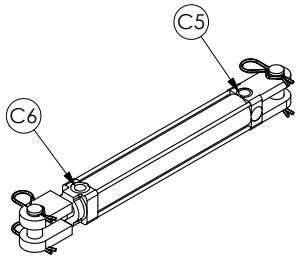
SEE NOTES &
SHEET 4 FOR
WIRING INSTRUCTIONS




FLIP CHUTE CYLINDER



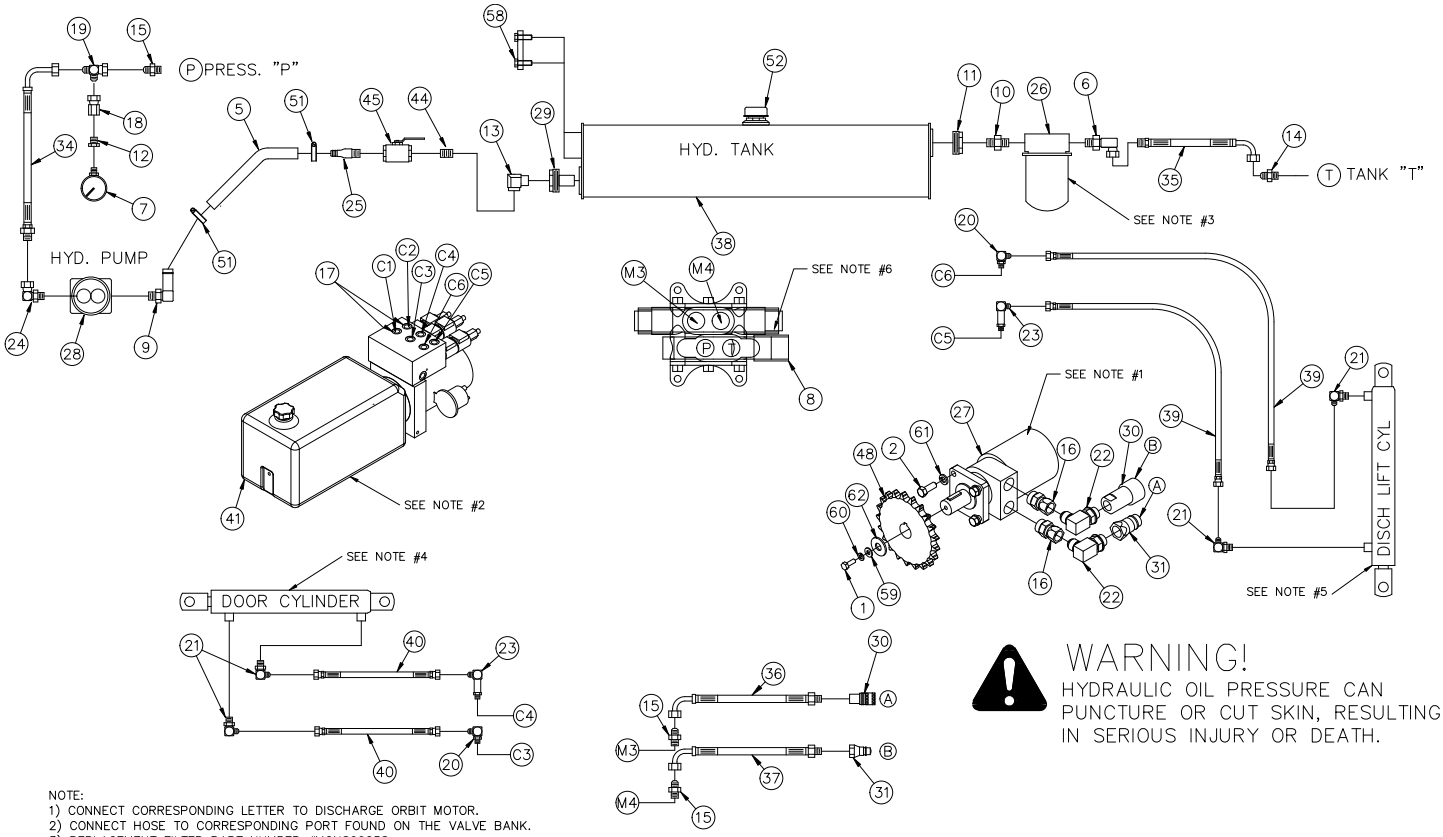

DISCHARGE DOOR CYLINDER




DISCHARGE LIFT CYLINDER

# DISCHARGE HYDRAULIC ASSEMBLIES

## MON900521 POWER DISCHARGE ASSEMBLY W/O FLIP CHUTE




NOTE:
1) CONNECT CORRESPONDING LETTER TO DISCHARGE ORBIT MOTOR.
2) CONNECT HOSE TO CORRESPONDING PORT FOUND ON THE VALVE BANK.
3) REPLACEMENT FILTER PART NUMBER #MON800258
4) FOR DOOR CYLINDER SEE PRINT #MON900436, MON900486 MON900489, MON900495, MON900500.
5) FOR DISCHARGE CYLINDER SEE PRINT #MON900505, MON900506, MON900507, MON900508, MON900509, MON900510, MON900511, MON900512.
6) ATTACH TO BOTTOM SOLENOID WIRES.

**WARNING!**
HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

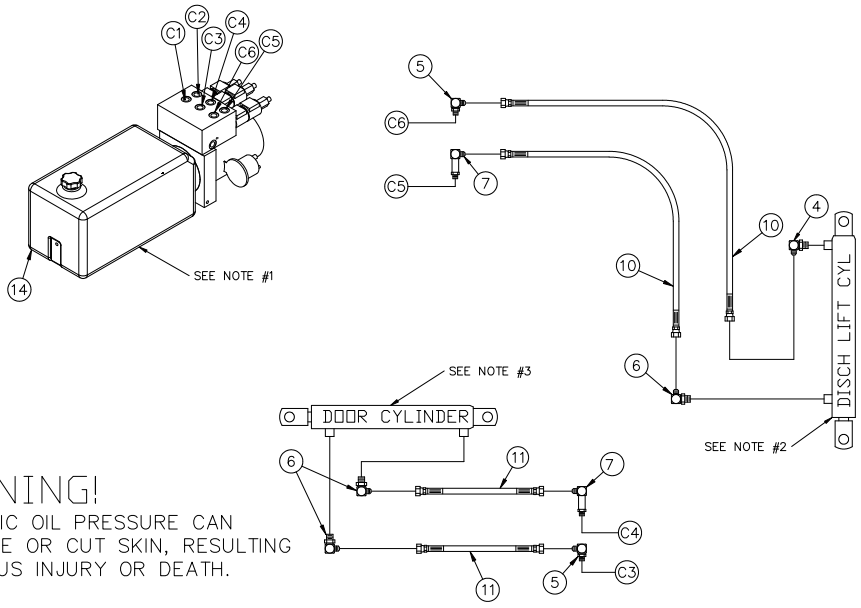
NOTE: FOR UNITS PRIOR TO N8716, USE HYD POWER UNIT MON901073 FOR REPLACEMENT OF MON701336 AND MON901072-2 FOR REPLACEMENT OF MON701335.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 3 | BLT14X34NC | 1/4X3/4 BOLT |
| 2 | 8 | BLT38X1NC | 3/8X1 BOLT |
| 3 | 2 | BLT516X1NC | 5/16X1 BOLT |
| 4 | 1 | BLT516X34NC | 5/16X3/4 BOLT |
| 5 | 72 | HYD114SUCHOSE | 1 1/4" SUCTION HOSE |
| 6 | 1 | HYD1501-12-12 | ELBOW ADAPTOR |
| 7 | 1 | HYD3000FL | PRESSURE GAUGE |
| 8 | 1 | HYD38A1 | SPOOL VALVE |
| 9 | 1 | HYD4601-20-16 | ADAPTOR |
| 10 | 1 | HYD5404-12-12 | ADAPTOR |
| 11 | 1 | HYD5406-16-12 | ADAPTOR |
| 12 | 1 | HYD5406-8-4 | ADAPTOR |
| 13 | 1 | HYD5502-20-20 | ELBOW ADAPTOR |
| 14 | 1 | HYD6400-10-10 | ADAPTOR |
| 15 | 3 | HYD6400-8-10 | ADAPTOR |
| 16 | 1 | HYD6402-10-8 | ADAPTOR |
| 17 | 2 | HYD6408-4 | PLUG |
| 18 | 1 | HYD6506-8-8 | ADAPTOR |
| 19 | 1 | HYD6602-8-8-8 | TEE ADAPTOR |
| 20 | 2 | HYD6801-4-6 | ELBOW ADAPTOR |
| 21 | 4 | HYD6801-6-8 | ELBOW ADAPTOR |
| 22 | 2 | HYD6801-8-8 | ELBOW ADAPTOR |
| 23 | 2 | HYD6801LL-4-6 | ELBOW ADAPTOR |
| 24 | 1 | HYD6901-12-12 | ELBOW ADAPTOR |
| 25 | 1 | HYDE804 | ADAPTOR |
| 26 | 1 | HYDF11BA | FILTER ASSEMBLY |
| 27 | 1 | HYDFH0244FS100A | HYDRAULIC MOTOR |
| 28 | 1 | MON800598 | HYDRAULIC PUMP |
| 29 | 1 | HYDS25100RV3 | STRAINER |
| 30 | 2 | HYDS2515 | FEMALE COUPLER |
| 31 | 2 | HYDS7115 | MALE COUPLER |
| 32 | 1 | MON102564 | SHIELD |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 33 | * | MON600151 | SWITCHBOX OPTIONS |
| 34 | 1 | MON700939 | HYDRAULIC HOSE |
| 35 | 1 | MON700941 | HYDRAULIC HOSE |
| 36 | 1 | MON700988 | HYDRAULIC HOSE |
| 37 | 1 | MON700989 | HYDRAULIC HOSE |
| 38 | 1 | MON700990 | HYDRAULIC TANK |
| 39 | 2 | MON701167 | HYDRAULIC HOSE |
| 40 | 2 | MON701168 | HYDRAULIC HOSE |
| 41 | 1 | MON800648 | POWER UNIT |
| 42 | 2 | NUT14NC | 1/4" NUT |
| 43 | 4 | NUT38NC | 3/8" NUT |
| 44 | 20 | OILDEXTRON | OIL |
| 45 | 1 | PFBL114CLNIP | 1 1/4" PIPE NIPPLE |
| 46 | 1 | PFBR114BVALVE | 1 1/4" BALL VALVE |
| 47 | 1 | SAC74188 | POWER UINIT MOUNT |
| 48 | 1 | SPK60B21X1 | SPROCKET |
| 49 | 1 | SCA170067 | INDICATOR BRACKET |
| 50 | 1 | SCA170082 | ARM REST |
| 51 | 2 | SPHC125 | HOSE CLAMP |
| 52 | 1 | STI591765 | BREATHER CAP |
| 53 | 144 | STI700221 | HYDRAULIC OIL |
| 54 | 192 | STI700418 | 1GA BATTERY CABLE |
| 55 | 6 | STI700423 | 1G BATTEY CABLE LUG |
| 56 | 1 | STI701247 | FUSE HOLDER |
| 57 | 1 | STI702008 | 400 AMP FUSE |
| 58 | 1 | STI702230 | SIGHT GAUGE |
| 59 | 3 | WSH14FLAT | 1/4" FLAT WASHER |
| 60 | 3 | WSH14LOCK | 1/4" LOCK WASHER |
| 61 | 8 | WSH38LOCK | 3/8" LOCK WASHER |
| 62 | 2 | WSH516FLAT | 5/16" FLAT WASHER |
| 63 | 3 | WSH516LOCK | 5/16" LOCK WASHER |
| 64 | 1 | WSH716FLAT | 7/16" FLAT WASHER |

# DISCHARGE HYDRAULIC ASSEMBLIES

## MON900516 SLIDE TRAY ASSEMBLY



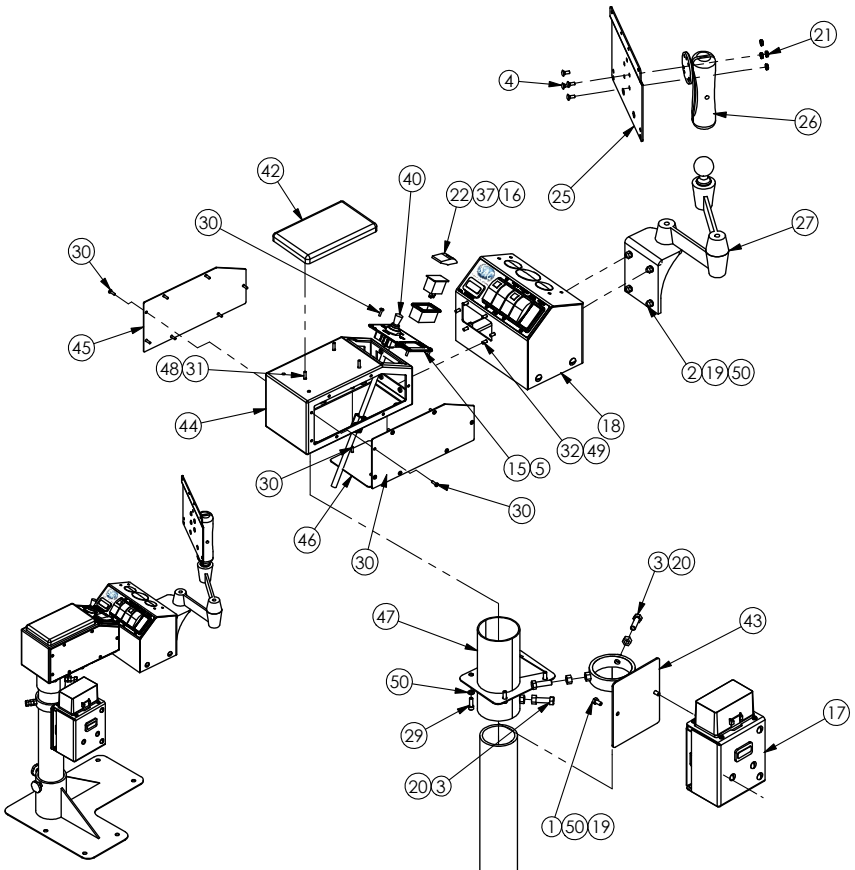

**WARNING!**
HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

NOTE;
1) CONNECT HOSE TO CORRESPONDING PORT FOUND ON THE VALVE BANK.
2) FOR DISCHARGE CYLINDER SEE PRINT #MON900505, MON900506, MON900507, MON900508, MON900509, MON900510, MON900511, MON900512
3) FOR DOOR CYLINDER SEE PRINT #MON900436, MON900486, MON900489, MON900495, MON900500

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT14X34NC | 1/4X3/4 BOLT |
| 2 | 2 | BLT516X1NC | 5/16X1 BOLT |
| 3 | 1 | BLT516X34NC | 5/16X3/4 BOLT |
| 4 | 1 | HYD6400-6-8 | ADAPTOR |
| 5 | 2 | HYD6801-4-6 | ELBOW ADAPTOR |
| 6 | 3 | HYD6801-6-8 | ELBOW ADAPTOR |
| 7 | 2 | HYD6801LL-4-6 | ELBOW ADAPTOR |
| 8 | 1 | MON102564 | SHIELD |
| 9 | * | MON600151 | SWITCHBOX OPTIONS |
| 10 | 2 | MON701167 | HYDRAULIC HOSE |
| 11 | 2 | MON701168 | HYDRAULIC HOSE |
| 12 | 2 | NUT14NC | 1/4" NUT |
| 13 | 20 | OILDEXTRON | OIL |
| 14 | 1 | MON800648 | HYDRAULIC POWER UNIT |
| 15 | 1 | SAC74188 | POWER UINIT MOUNT |
| 16 | 1 | SCA170067 | INDICATOR BRACKET |
| 17 | 1 | SCA170082 | ARM REST SWITCHBOX |
| 18 | 192 | STI700418 | 1GA BATTERY CABLE |
| 19 | 6 | STI700423 | 1G BATTEY CABLE LUG |
| 20 | 1 | STI702008 | 400 AMP FUSE |
| 21 | 1 | STI701247 | FUSE HOLDER |
| 22 | 2 | WSH14FLAT | 1/4" FLAT WASHER |
| 23 | 2 | WSH14LOCK | 1/4" LOCK WASHER |
| 24 | 2 | WSH516FLAT | 5/16" FLAT WASHER |
| 25 | 3 | WSH516LOCK | 5/16" LOCK WASHER |

NOTE: FOR UNITS PRIOR TO N8716, USE HYD POWER UNIT MON901073 FOR REPLACEMENT OF MON701336 AND MON901072-2 FOR REPLACEMENT OF MON701335.

# MON901027 PTO CONTROL CONSOLE ASSEMBLY




NOTES:
1. MOUNT PEDESTAL AS FAR REARWARD IN CAB AS POSSIBLE.
2. ARM SHOULD REST ON COSOLE COMFORTABLY.
3. ROUTE WIRE HARNESS THROUGH ARMREST CONSOLE AND DOWN THE LEG TO THE ELECTRICAL CENTER.
4. MOUNT THE 100 AMP FUSE IN THE BATTERY BOX AND ROUTE BATTERY CABLES TO THE BATTERY.
5. CONNECT THE RED WIRE TO THE FUSE PANEL AND THE BLACK WIRE TO THE NEG POST OF THE TERMINAL BLOCK.
6. ROUTE SCALE JUNCTION BOX WIRE WITH CONTROL HARNESS.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT14X12NC | 1/4X1/2 BOLT |
| 2 | 4 | BLT14X34FNC | 1/4X3/4 FLAT HEAD BOLT |
| 3 | 4 | BLT38X114NC | 3/8X1-1/4 BOLT |
| 4 | 4 | BLT1024X12CNC | 10-24X1/4 CARRIAGE BOLT |
| 5 | 1 | DEC703 | JOYSTICK BOX DECAL |
| 6 | 3 | JES31034 | 14-16 GA TERMINAL |
| 7 | 1 | JES38044 | 3 PIN SHROUD CONNECTOR |
| 8 | 3 | JES39001 | 14 GA WEATHER SEAL |
| 9 | 2 | JES046021516141 | 14 GA MALE TERMINAL |
| 10 | 4 | JES046220916141 | 14 GA FEMALE TERMINAL |
| 11 | 1 | JESDT042P | 2 PIN RECEPTICAL |
| 12 | 1 | JESDT064S | 4 PIN PLUG |
| 13 | 1 | JESW2P | 2 PIN RECEPT WEDGE LOCK |
| 14 | 1 | JESW4S | 4 PIN PLUG WEDE LOCK |
| 15 | 1 | MON104226 | JOYSTICK PANEL |
| 16 | 1 | MON800629 | SWITCH MOUNT |
| 17 | 1 | MON900981 | AUX ELECTRIC BOX |
| 18 | 1 | MON901022 | 4 AUGER PTO SWITCHBOX |
| 19 | 6 | NUT14NC | 1/4" NUT |
| 20 | 2 | NUT38NC | 3/8" NUT |
| 21 | 4 | NUT1024TOOTHLCK | 10-24 TOOTH LOCK NUT |
| 22 | 1 | PAC200281 | RED LIGHT ROCKER SWITCH |
| 23 | 1 | SCA170008 | 10' POWER CABLE |
| 24 | 1 | SCA170053 | 15' CABLE W/ JUNCTION BOX |
| 25 | 1 | SCA404788-1 | INDICATOR BRACKET |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 26 | 1 | SCARAM101U | INDICATOR MOUNT |
| 27 | 1 | SCARAM109V1BU | INDICATOR SWING ARM |
| 28 | 1 | SPB14418 | 2-1/2" GROMMET |
| 29 | 4 | SPDHB14X34NC | 1/4 X 3/4 SOC HD CAP SCW |
| 30 | 20 | SPMB632X12 | 6-32X1/2 MACHINE BOLT |
| 31 | 3 | SPMB832X34 | 8-32X3/4 MACHINE BOLT |
| 32 | 6 | SPMB1032X12 | 10-32X1/2 MACHINE BOLT |
| 33 | 6 | STI700279 | TERMINAL RING |
| 34 | 1 | STI701245 | 100 AMP SLOW BLOW FUSE |
| 35 | 1 | STI701247 | FUSE BLOCK |
| 36 | 120 | STI701743 | 4GA BLACK BATTERY CABLE |
| 37 | 1 | STI701958 | ROCKER SWITCH |
| 38 | 240 | STI702453 | 1/2" BRAIDED WIRE LOOM |
| 39 | 120 | STI703630 | 4GA RED BATTERY CABLE |
| 40 | 1 | VM700235 | JOYSTICK SWITCH |
| 41 | 1 | VM800254 | PEDISTAL BASE |
| 42 | 1 | VM800256 | ARMREST PAD |
| 43 | 1 | VM800309 | CONSOLE MOUNTING PLATE |
| 44 | 1 | VM800542 | CONSOLE ARMREST |
| 45 | 2 | VM800543 | CONSOLE SIDE PLATE |
| 46 | 1 | VM800544 | CONSOLE BOTTOM |
| 47 | 1 | VM800545 | CONSOLE TUBE EXTENSION |
| 48 | 3 | WSH#8TOOTHLOCK | #8 TOOTH LOCK WASHER |
| 49 | 6 | WSH5LOCKMM | 5MM LOCK WASHER |
| 50 | 6 | WSH14LOCK | 1/4" LOCK WASHER |

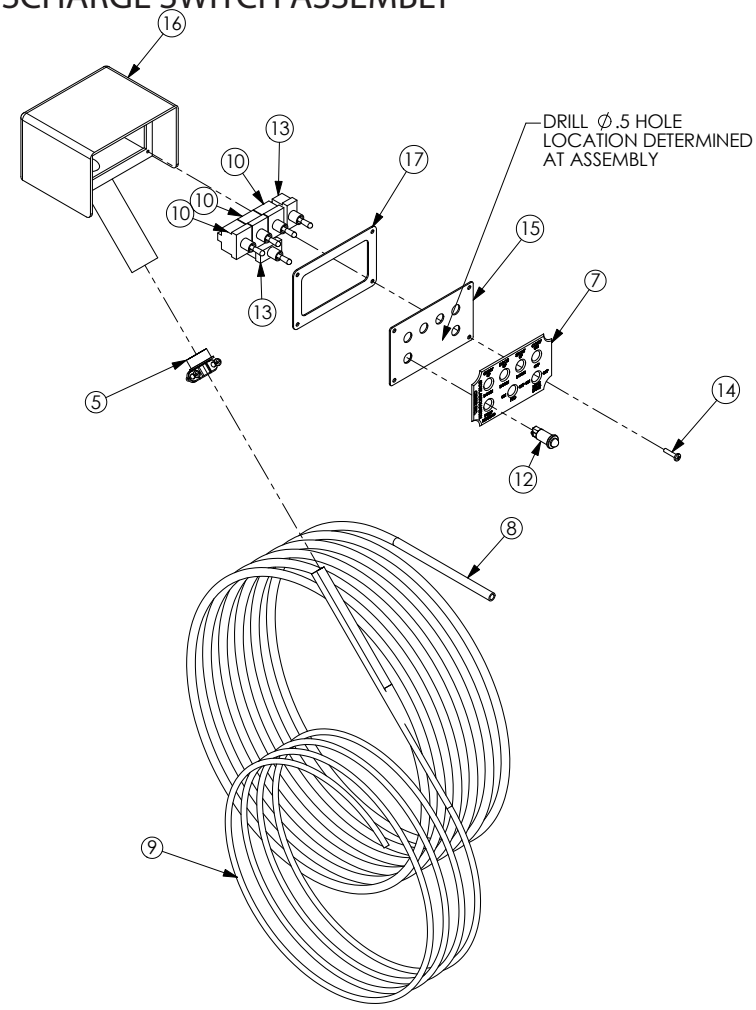
# NOTES

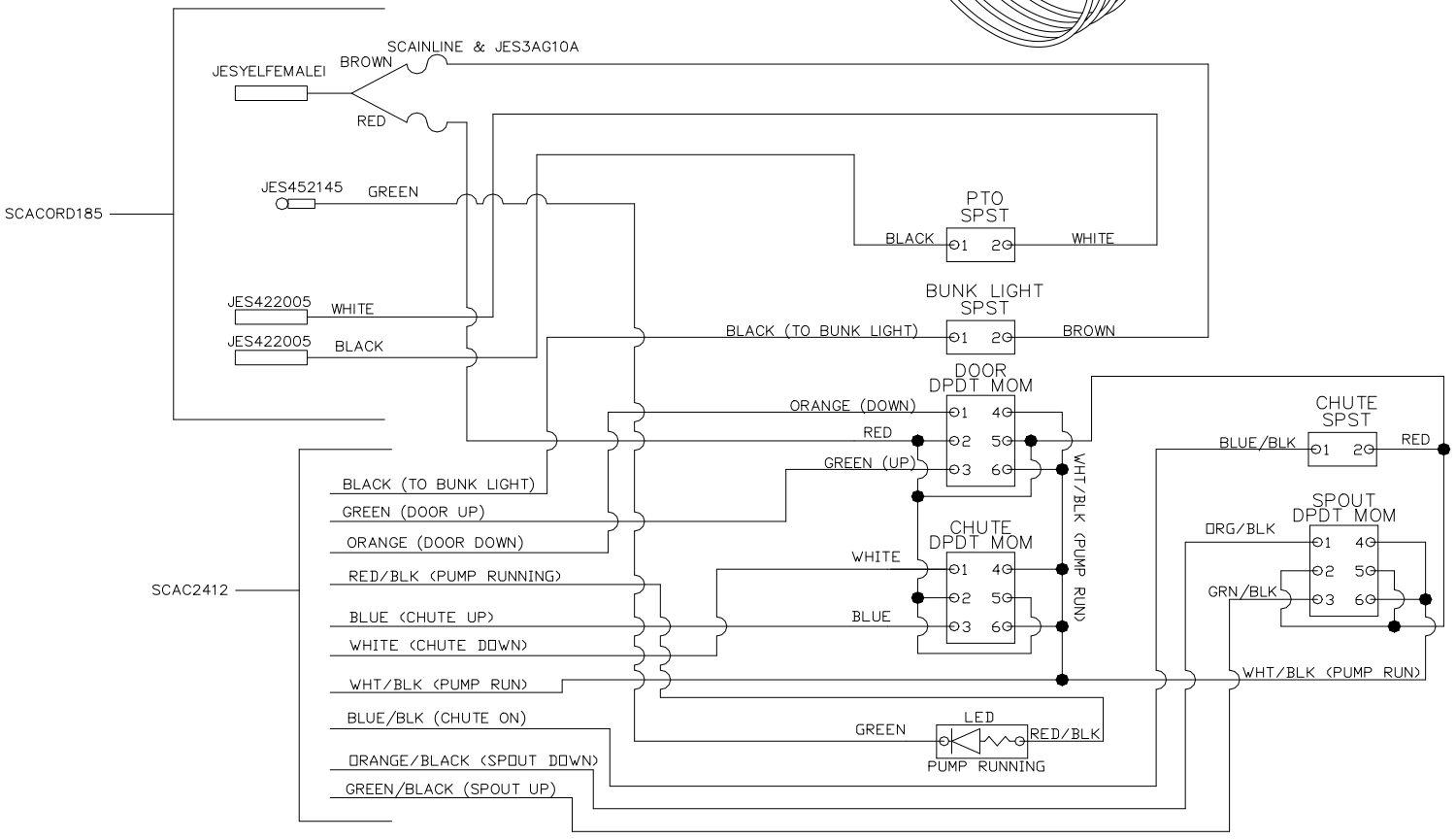
# SWITCH BOX ASSEMBLIES

## SCA170076 POWER DISCHARGE SWITCH ASSEMBLY

THIS ASSEMBLY WAS AVAILABLE ON UNITS PRODUCED PRIOR TO 08-2015

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | JES3AG10A | 10 AMP FUSE |
| 2 | 4 | JES422005 | BUTT CONNECTOR |
| 3 | 1 | JES45215 | RING TERMINAL |
| 4 | 35 | JES461065 | FORK TERMINAL |
| 5 | 1 | JES6624 | CORD CONNECTOR |
| 6 | 1 | JESYELFEMALEI | FEMALE SPADE TERMINAL |
| 7 | 1 | SACP10213 | FACE DECAL |
| 8 | 300 | SCAC2412 | 12 WIRE 18 GAUGE CABLE |
| 9 | 96 | SCACPRD187 | 5 WIRE 18GAUGE CABLE |
| 10 | 3 | SCADPDTMOM | TOGGLE SWITCH |
| 11 | 2 | SCAINLINE | IN-LINE FUSE HOLDER |
| 12 | 1 | SCAL50171 | LED LIGHT |
| 13 | 3 | SCASPSTSC | TOGGLE SWITCH |
| 14 | 4 | SPMB832X34SSP | 8-32X3/4 MACHINE SCREW |
| 15 | 1 | STI100156 | COVER PLATE |
| 16 | 1 | STI200109 | CONTROL BOX |
| 17 | 1 | STI610809 | REMOTE GASKET |
| 18 | 35 | STIWIRE12PR02 | 12GA RED WIRE |



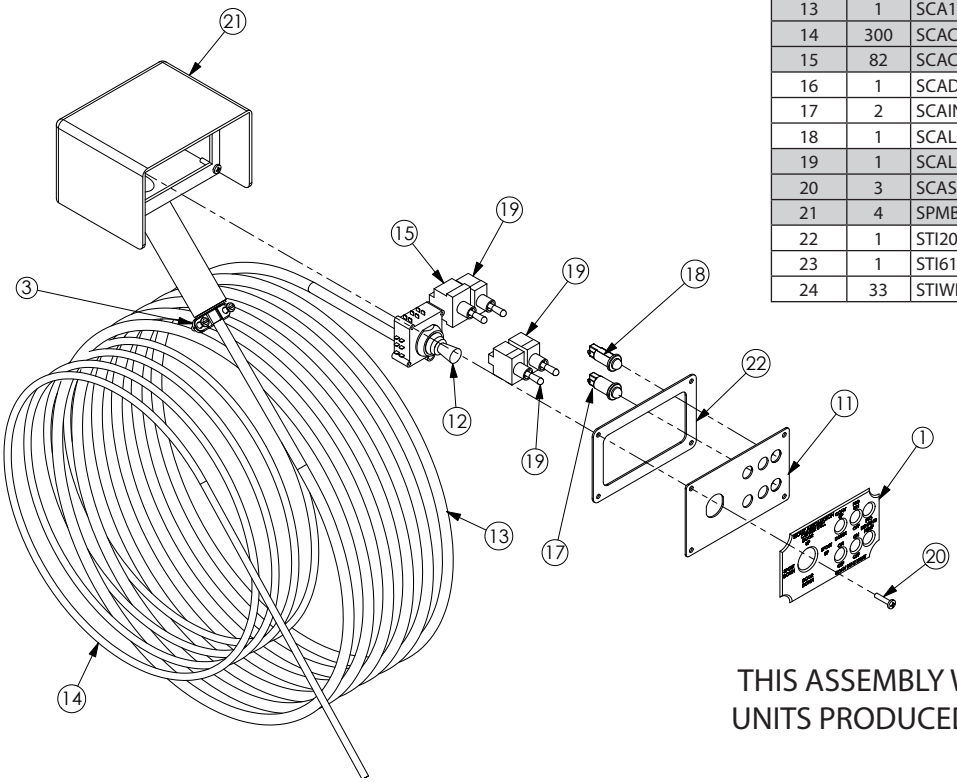



# SWITCH BOX ASSEMBLIES

## SAC170079 POWER DISCHARGE JOYSTICK ASSEMBLY

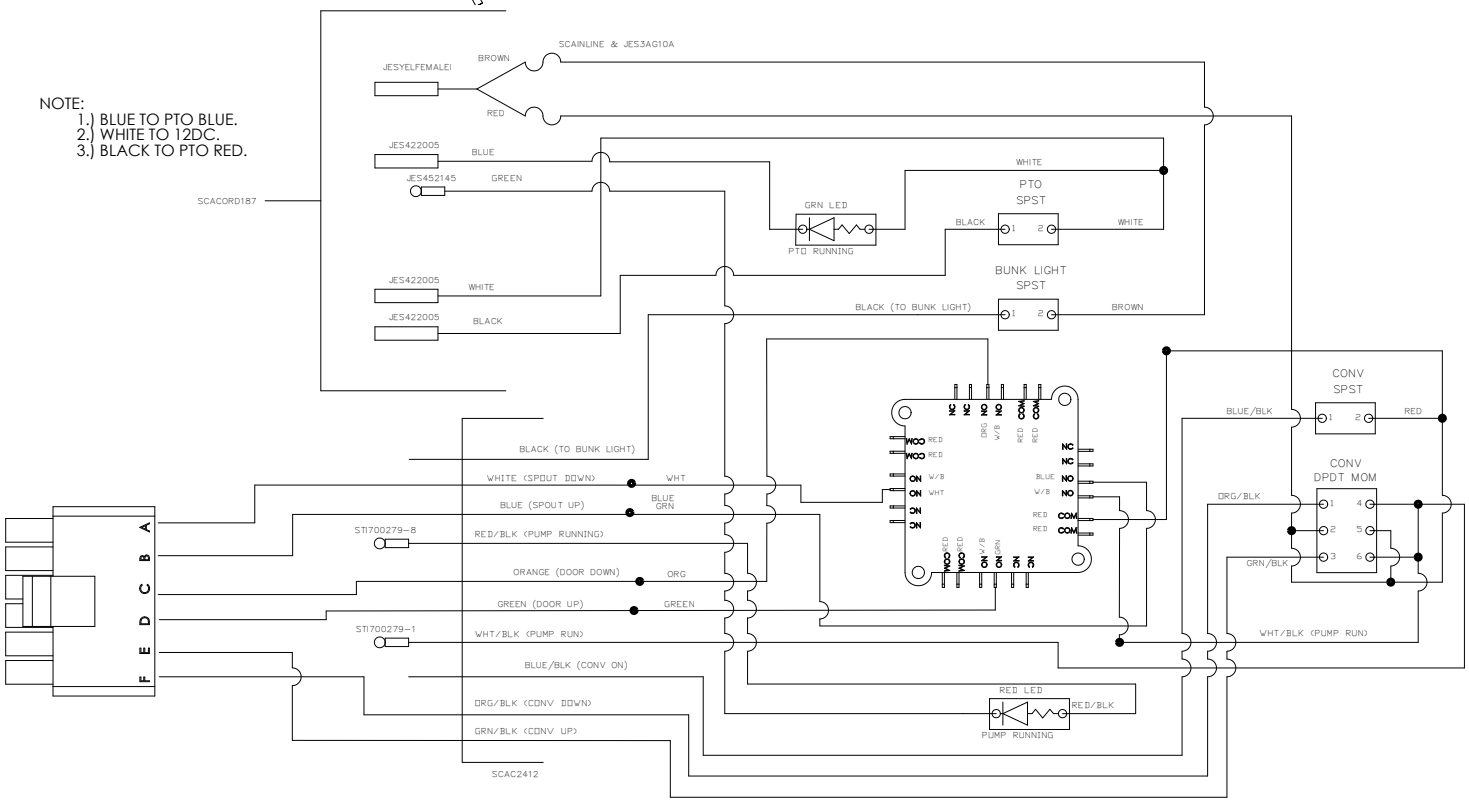
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | DEC501 | FACE DECAL |
| 2 | 6 | JES31035 | FEMALE WPACK TERMINAL |
| 3 | 1 | JES38049 | WPACK 6 PIN TOWER |
| 4 | 6 | JES39000 | WPACK WEATHER SEAL |
| 5 | 2 | JES3AG10A | 10 AMP FUSE |
| 6 | 3 | JES422005 | BUTT CONNECTOR |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 7 | 1 | JES452085 | RING TERMINAL |
| 8 | 2 | JES452145 | RING TERMIAL |
| 9 | 15 | JES461065 | FORK TERMINAL |
| 10 | 1 | JES6624 | CORD CONNECTOR |
| 11 | 1 | JESYELFEMALEI | FEMALE SPADE TERMINAL |
| 12 | 1 | MON103345 | BOX COVER |
| 13 | 1 | SCA170089 | JOYSTICK SWITCH |
| 14 | 300 | SCAC2412 | 12 WIRE 18 GAUGE CABLE |
| 15 | 82 | SCACPRD187 | 7 WIRE 18 GAUGE CABLE |
| 16 | 1 | SCADPDTMOM | TOGGLE SWITCH |
| 17 | 2 | SCAINLINE | IN-LINE FUSE HOLDER |
| 18 | 1 | SCAL50171 | LED LIGHT |
| 19 | 1 | SCAL50175 | GREEN LED LAMP |
| 20 | 3 | SCASPSTSC | TOGGLE SWITCH |
| 21 | 4 | SPMB832X34SSP | 8-32X3/4 MACHINE SCREW |
| 22 | 1 | STI200109 | CONTROL BOX |
| 23 | 1 | STI610809 | REMOTE GASKET |
| 24 | 33 | STIWIRE12PR02 | 12GA RED WIRE |




THIS ASSEMBLY WAS AVAILABLE ON
UNITS PRODUCED PRIOR TO 08-2015

NOTE:
1.) BLUE TO PTO BLUE.
2.) WHITE TO 12DC.
3.) BLACK TO PTO RED.

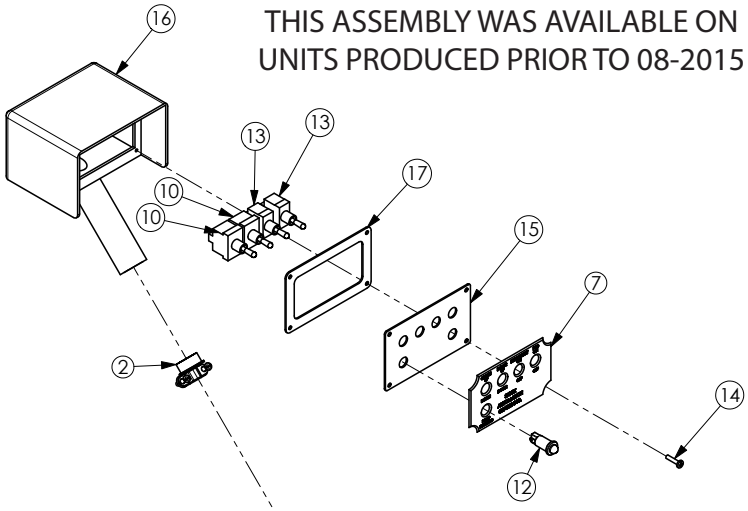


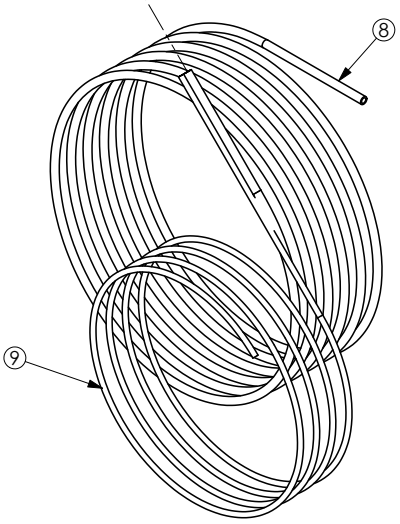
# SWITCH BOX ASSEMBLIES

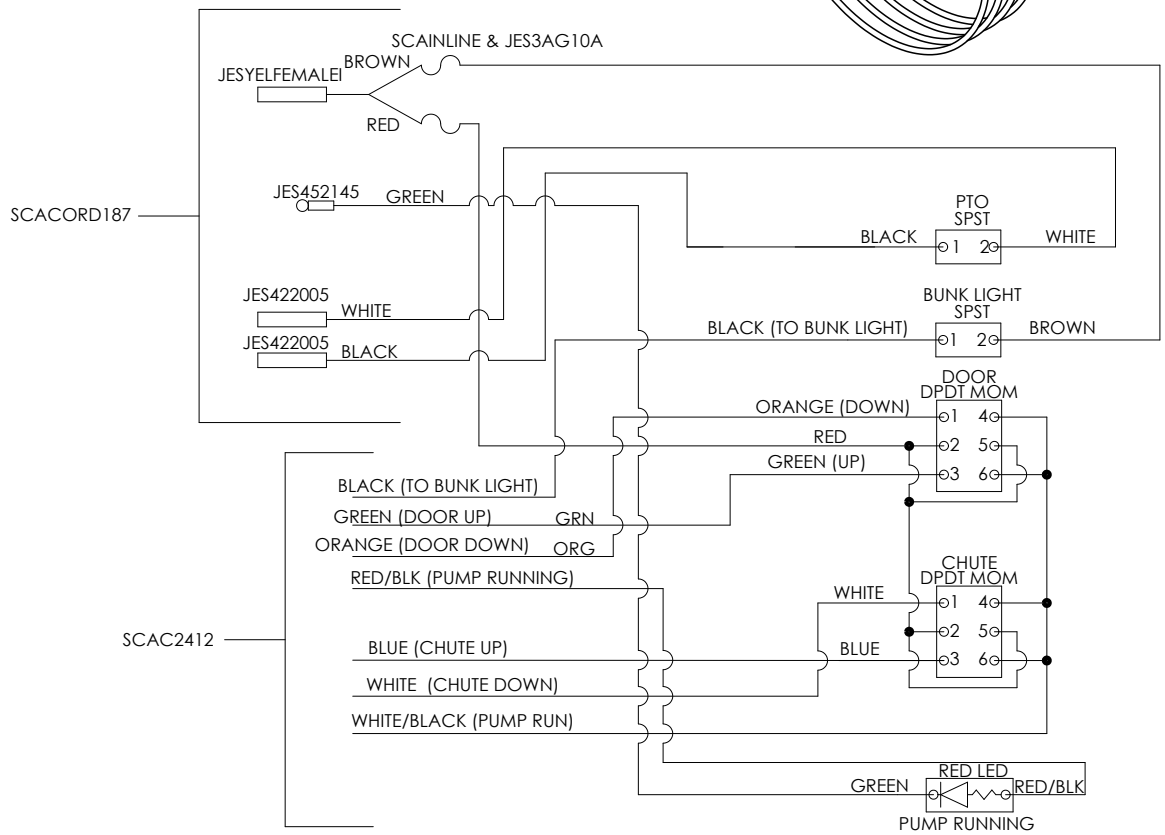
## SCA170075 SLIDE TRAY SWITCH ASSEMBLY

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | JES3AG10A | 10 AMP FUSE |
| 2 | 4 | JES422005 | BUTT CONNECTOR |
| 3 | 1 | JES452145 | RING TERMINAL |
| 4 | 1 | JES461065 | FORK TERMINAL |
| 5 | 1 | JES6624 | CORD CONNECTOR |
| 6 | 1 | JESYELFEMALEI | FEMALE SPADE TERMINAL |
| 7 | 1 | SACP10211 | FACE DECAL |
| 8 | 240 | SCAC2412 | 12 WIRE 18 GAUGE CABLE |
| 9 | 96 | SCACPRD187 | 5 WIRE 18GAUGE CABLE |
| 10 | 2 | SCADPDTMOM | TOGGLE SWITCH |
| 11 | 1 | SCAINLINE | IN-LINE FUSE HOLDER |
| 12 | 1 | SCAL50171 | LED LIGHT |
| 13 | 2 | SCASPSTSC | TOGGLE SWITCH |
| 14 | 4 | SPMB832X34SSP | 8-32X3/4 MACHINE SCREW |
| 15 | 1 | STI100156 | COVER PLATE |
| 16 | 1 | STI200109 | CONTROL BOX |
| 17 | 1 | STI610809 | REMOTE GASKET |
| 18 | 18 | STIWIRE12PR02 | 12GA RED WIRE |

THIS ASSEMBLY WAS AVAILABLE ON UNITS PRODUCED PRIOR TO 08-2015



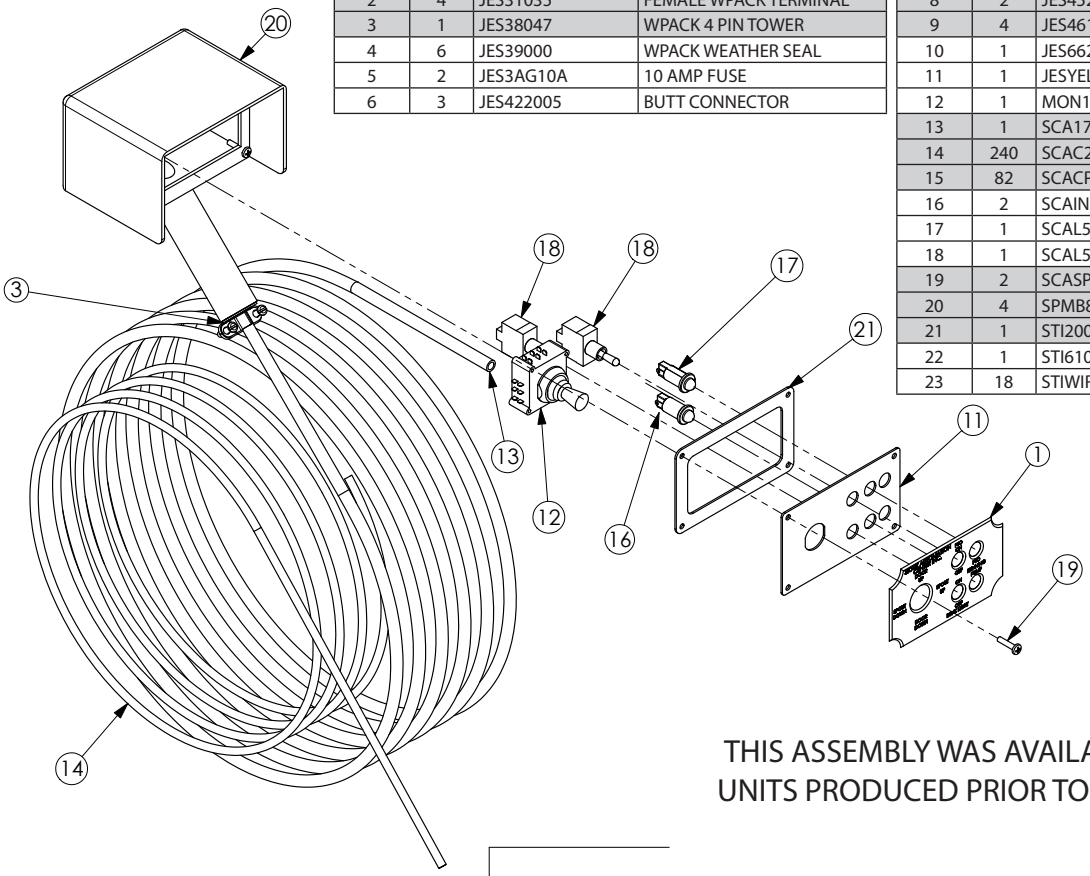



# SWITCH BOX ASSEMBLIES

## SCA170081 SLIDE TRAY JOYSTICK ASSEMBLY

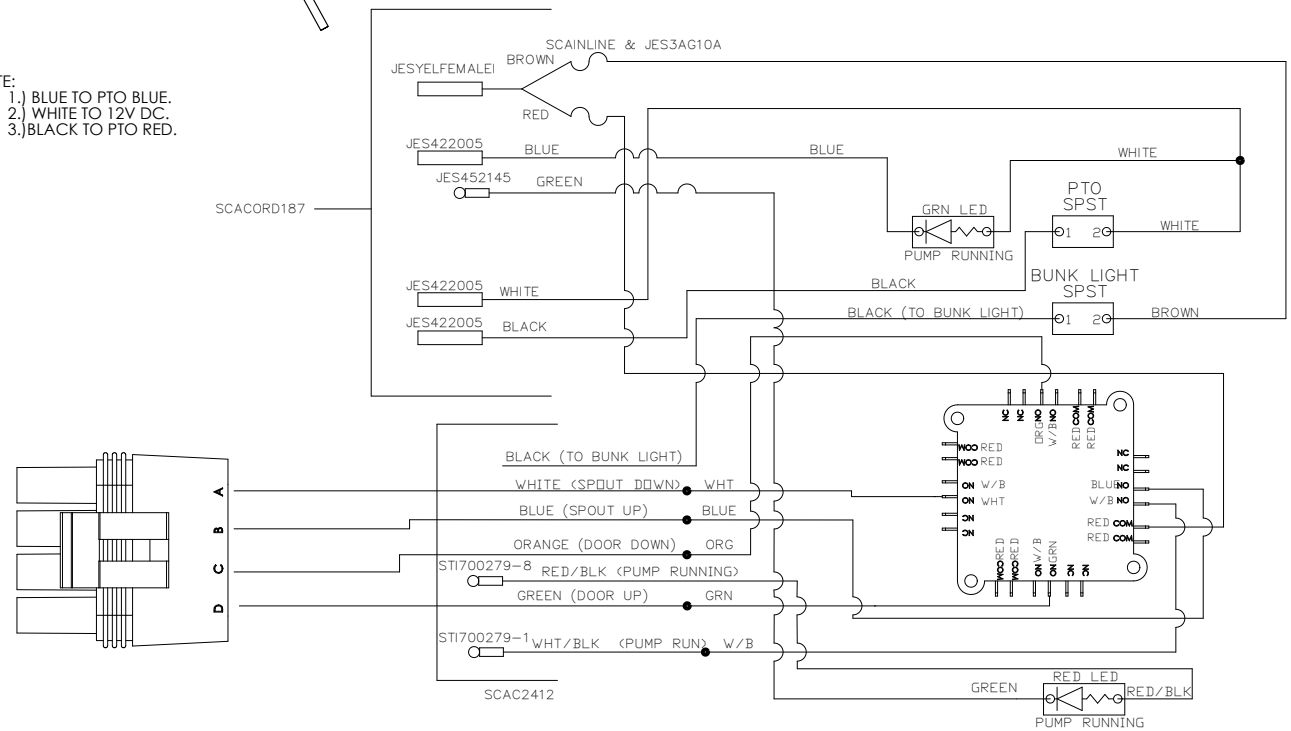
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | DEC504 | FACE DECAL |
| 2 | 4 | JES31035 | FEMALE WPACK TERMINAL |
| 3 | 1 | JES38047 | WPACK 4 PIN TOWER |
| 4 | 6 | JES39000 | WPACK WEATHER SEAL |
| 5 | 2 | JES3AG10A | 10 AMP FUSE |
| 6 | 3 | JES422005 | BUTT CONNECTOR |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 7 | 1 | JES452085 | RING TERMINAL |
| 8 | 2 | JES452145 | RING TERMIAL |
| 9 | 4 | JES461065 | FORK TERMINAL |
| 10 | 1 | JES6624 | CORD CONNECTOR |
| 11 | 1 | JESYELFEMALEI | FEMALE SPADE TERMINAL |
| 12 | 1 | MON103345 | BOX COVER |
| 13 | 1 | SCA170089 | JOYSTICK SWITCH |
| 14 | 240 | SCAC2412 | 12 WIRE 18 GAUGE CABLE |
| 15 | 82 | SCACPRD187 | 7 WIRE 18 GAUGE CABLE |
| 16 | 2 | SCAINLINE | IN-LINE FUSE HOLDER |
| 17 | 1 | SCAL50171 | LED LIGHT |
| 18 | 1 | SCAL50175 | GREEN LED LAMP |
| 19 | 2 | SCASPSTSC | TOGGLE SWITCH |
| 20 | 4 | SPMB832X34SSP | 8-32X3/4 MACHINE SCREW |
| 21 | 1 | STI200109 | CONTROL BOX |
| 22 | 1 | STI610809 | REMOTE GASKET |
| 23 | 18 | STIWIRE14PR02 | 14GA RED WIRE |




THIS ASSEMBLY WAS AVAILABLE ON
UNITS PRODUCED PRIOR TO 08-2015

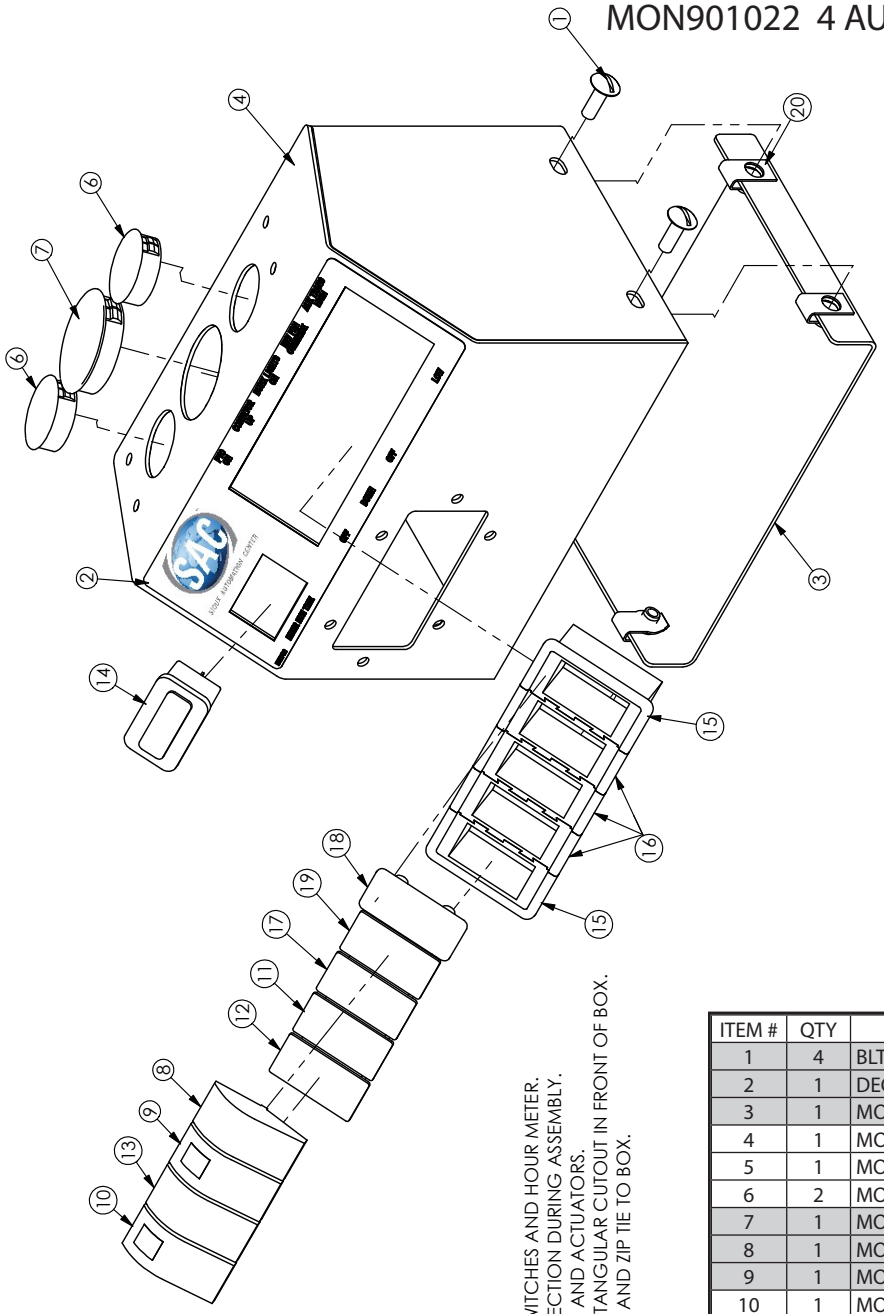
NOTE:
1.) BLUE TO PTO BLUE.
2.) WHITE TO 12V DC.
3.)BLACK TO PTO RED.




NOTE:
1.) BOTTOM VIEW OF SWITCHES
2.) REMOVE 26" OF THE SHIELDING ON THE SCAC2412, CUTTING 24" OFF THE WIRES TO THE WEATHERPACK TO PRODUCE A 24" LONGER WIRE ON THE RED/BLK, AND WHT/BLK.
3.) CUT 14" OFF OF THE BLACK WIRE SO IT IS 10" LONGER THAN THE WEATHERPACK WIRES.
4.) CUT BACK REMAINING 5 WIRES TO SHIELDING.

# SWITCH BOX ASSEMBLIES

## MON901022 4 AUGER TRUCK SWITCH BOX ASSEMBLY

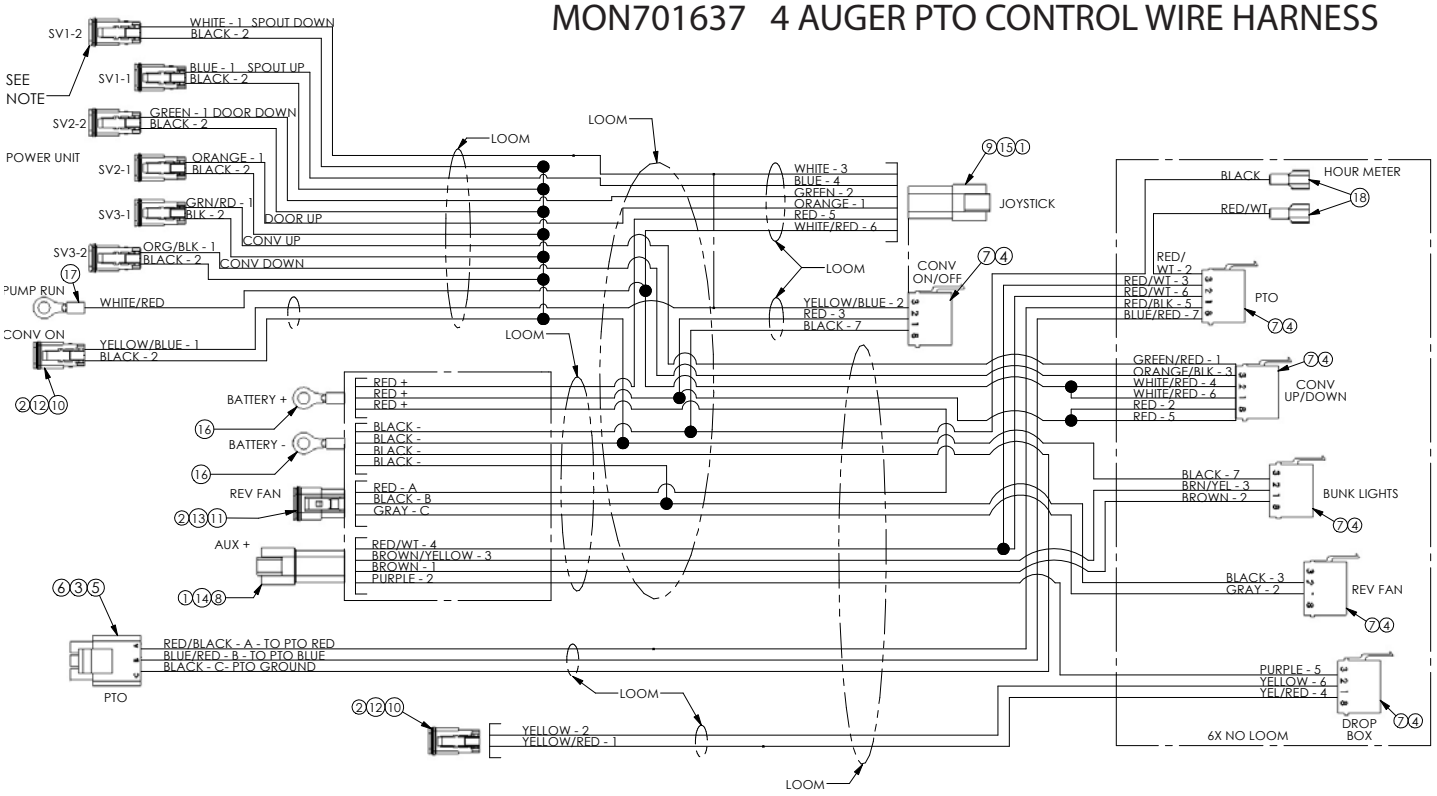


NOTES:
1. CONNECT HARNESS MON701637 TO THE SWITCHES AND HOUR METER.
2. LEAVE DROP BOX PLUG LOOSE FOR CONNECTION DURING ASSEMBLY.
3. NOTE POSITIONS OF THE ROCKER SWITCHES AND ACTUATORS.
4. ENTRY POINT OF HARNESS IS THROUGH RECTANGULAR CUTOUT IN FRONT OF BOX.
5. ROLL EXCESS LENGTH OF WIRE HARNESS UP AND ZIP TIE TO BOX.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 4 | BLT14X34ONC | 1/4X3/4 SLOTTED TRUSS BOLT |
| 2 | 1 | DEC702 | TRUCK CONSOLE SWITCH BOX DECAL |
| 3 | 1 | MON104227 | CONTROL BOX COVER |
| 4 | 1 | MON701635 | CONSOLE SWITCH BOX WELDMENT |
| 5 | 1 | MON701637 | 4 AUGER PTO CONTROL WIRE HARNESS |
| 6 | 2 | MON800627 | 1.25 NYLON PLUG |
| 7 | 1 | MON800628 | 1.75 NYLON PLUG |
| 8 | 1 | MON800630 | GRAY ROCKER ACTUATOR |
| 9 | 1 | MON800631 | GRAY ROCKER SWITCH ACT , RED LGT |
| 10 | 1 | MON800632 | RED ROCKER SWITCH ACT , RED LGT |
| 11 | 1 | PAC200273 | 20 AMP DPDT ROCKER SWITCH |
| 12 | 1 | PAC200275 | 20 AMP DPST ROCKER SWITCH |
| 13 | 1 | PAC200280 | BLACK ROCKER SWITCH |
| 14 | 1 | STI701955 | MINI HOUR METER |
| 15 | 2 | STI701956 | END PANEL SWITCH MOUNT |
| 16 | 3 | STI701957 | MID PANEL SWITCH MOUNT |
| 17 | 1 | STI701958 | 20A SPST ROCKER SWITCH BODY |
| 18 | 1 | STI701962 | SWITCH BLANK PLUG |
| 19 | 1 | STI702759 | SPST MOMENT ROCKER SWITCH BODY |
| 20 | 4 | STI703020 | 1/4-20 CLIP-ON NUT |

# SWITCH BOX ASSEMBLIES

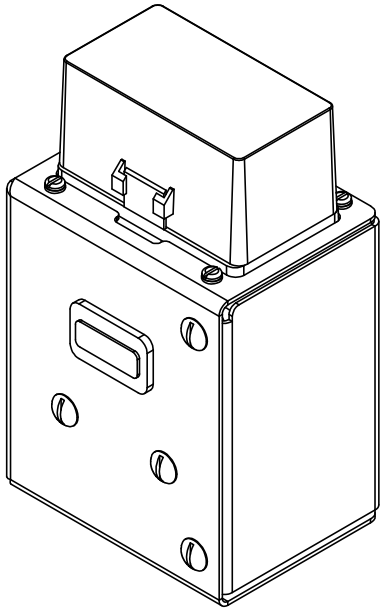
## MON701637 4 AUGER PTO CONTROL WIRE HARNESS




NOTES:
1. SOLDER AND HEAT SHRINK ALL SPLICES.
2. DO NOT TAPE WIRES TOGETHER WITHIN THE LOOM.
3. LOOM WIRES AS NOTED WITH SPLIT CORRUGATED PLASTIC LOOM.
4. TAPE LOOM EXTERNALLY EVERY 36".
5. LABEL ALL CONNECTOR ENDS AS NOTED.
6. PLACE 2" OF HEAT SHRINK OVER EACH RING TERMINAL CRIMP END.
7. NOTE 'NO LOOM' AREAS AND LENGTHS.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 10 | JES046221516141 | MALE DEUTSCH TERMINAL 14GA |
| 2 | 19 | JES046220916141 | FEM DEUTSCH TERMINAL 14GA |
| 3 | 3 | JES31035 | FEMALE WPACK TERMINAL |
| 4 | 22 | JES31090 | FEM TERM 630 TANG METRI-PACK |
| 5 | 1 | JES38045 | 3 PIN WPACK TOWER |
| 6 | 3 | JES39001 | WPACK WEATHER SEAL 14GA |
| 7 | 6 | JES44386 | ROCKER SWITCH CONNECTOR |
| 8 | 1 | JESDT044P | DEUTSCH 4 PIN RECEPTICAL |
| 9 | 1 | JESDT046P | DEUTSCH 6 PIN RECEPTICAL |
| 10 | 8 | JESDT062S | DEUTSCH 2 PIN PLUG |
| 11 | 1 | JESDT063S | DEUTSCH 3PIN PLUG |
| 12 | 1 | JEW2S | DEUTSCH 2PIN WEDGE LOCK |
| 13 | 1 | JEW3S | DEUTSCH 3PIN WEDGE LOCK |
| 14 | 1 | JEW4P | DEUTSCH 4PIN WEDGE LOCK |
| 15 | 1 | JEW6P | DEUTSCH 6PIN WEDGE LOCK |
| 16 | 2 | STI700279 | 8GA #10 TERMINAL RING |
| 17 | 1 | STI700279 | 14GA #10 TERMINAL RING |
| 18 | 2 | STI700291 | TERMINAL PUSH ON |
| 19 | 440 | STIWIRE14PR01 | 14GA BLACK WIRE |
| 20 | 300 | STIWIRE14PR02 | 14GA RED WIRE |
| 21 | 292 | STIWIRE14PR03 | 14GA BLUE WIRE |
| 22 | 292 | STIWIRE14PR04 | 14GA ORANGE WIRE |
| 23 | 66 | STIWIRE14PR05 | 14GA YELLOW WIRE |
| 24 | 66 | STIWIRE14PR06 | 14GA BROWN WIRE |
| 25 | 96 | STIWIRE14PR07 | 14GA RED/BLACK WIRE |
| 26 | 292 | STIWIRE14PR09 | 14GA ORANGE/BLACK WIRE |
| 27 | 96 | STIWIRE14PR13 | 14GA BLUE/RED WIRE |
| 28 | 66 | STIWIRE14PR15 | 14GA YELLOW/RED WIRE |
| 29 | 316 | STIWIRE14PR20 | 14GA YELLOW/BLUE WIRE |
| 30 | 66 | STIWIRE14PR31 | 14GA BROWN/YELLOWWIRE |
| 31 | 66 | WTIWIRE14PR37 | 14GA PURPLE WIRE |
| 32 | 292 | STIWIRE14PR38 | 14GA WHITE WIRE |
| 33 | 292 | STIWIRE14PR39 | 14GA GREEN WIRE |
| 34 | 66 | STIWIRE14PR40 | 14GA GRAY WIRE |
| 35 | 292 | STIWIRE14PR41 | 14GA GREEN/RED WIRE |
| 36 | 316 | STIWIRE14PR42 | 14GA WHITE/RED WIRE |
| 37 | 66 | STIWIRE14PR43 | 14GA RED/WHITE WIRE |

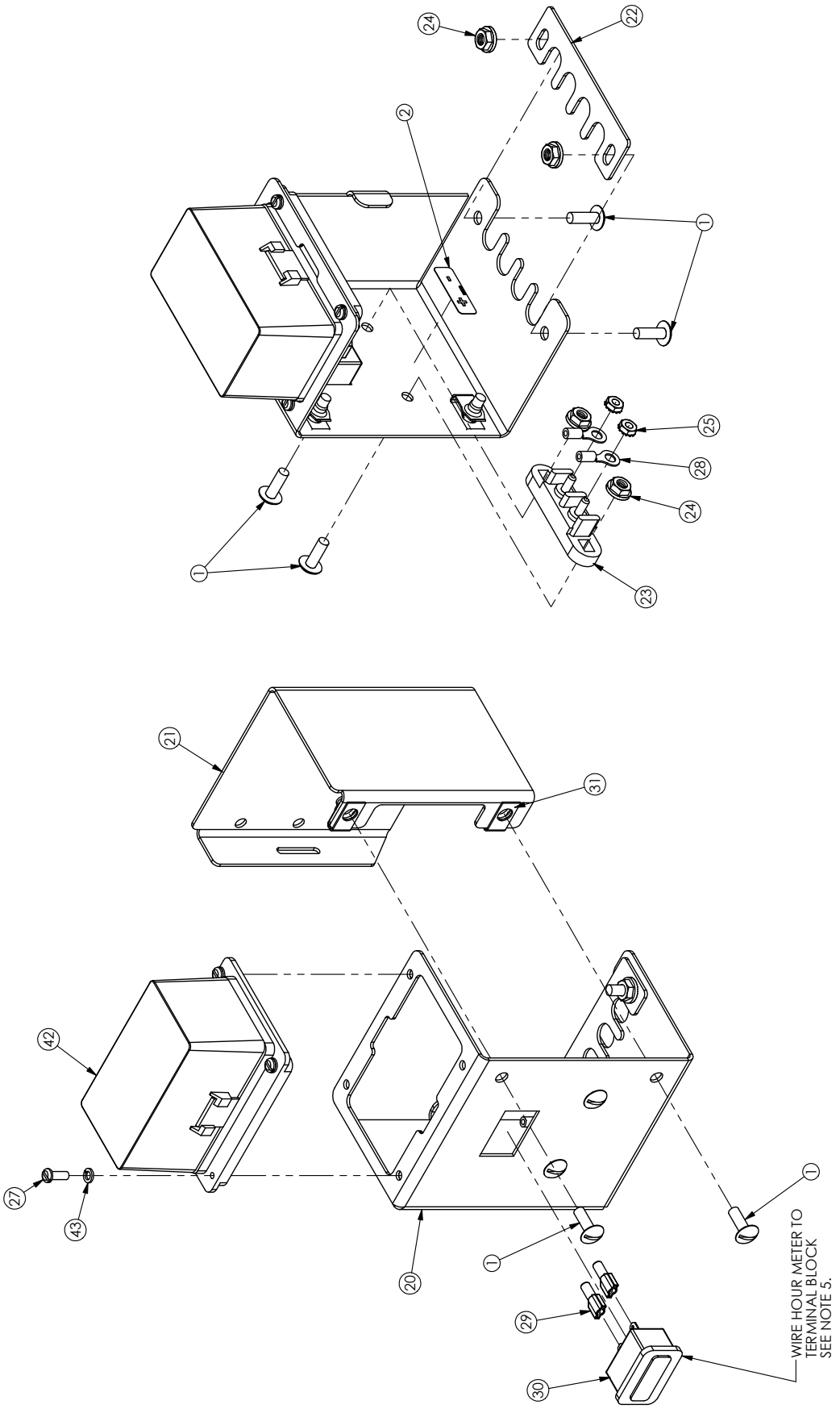
# MON900981 AUX MIXER ELECTRIC BOX ASSEMBLY



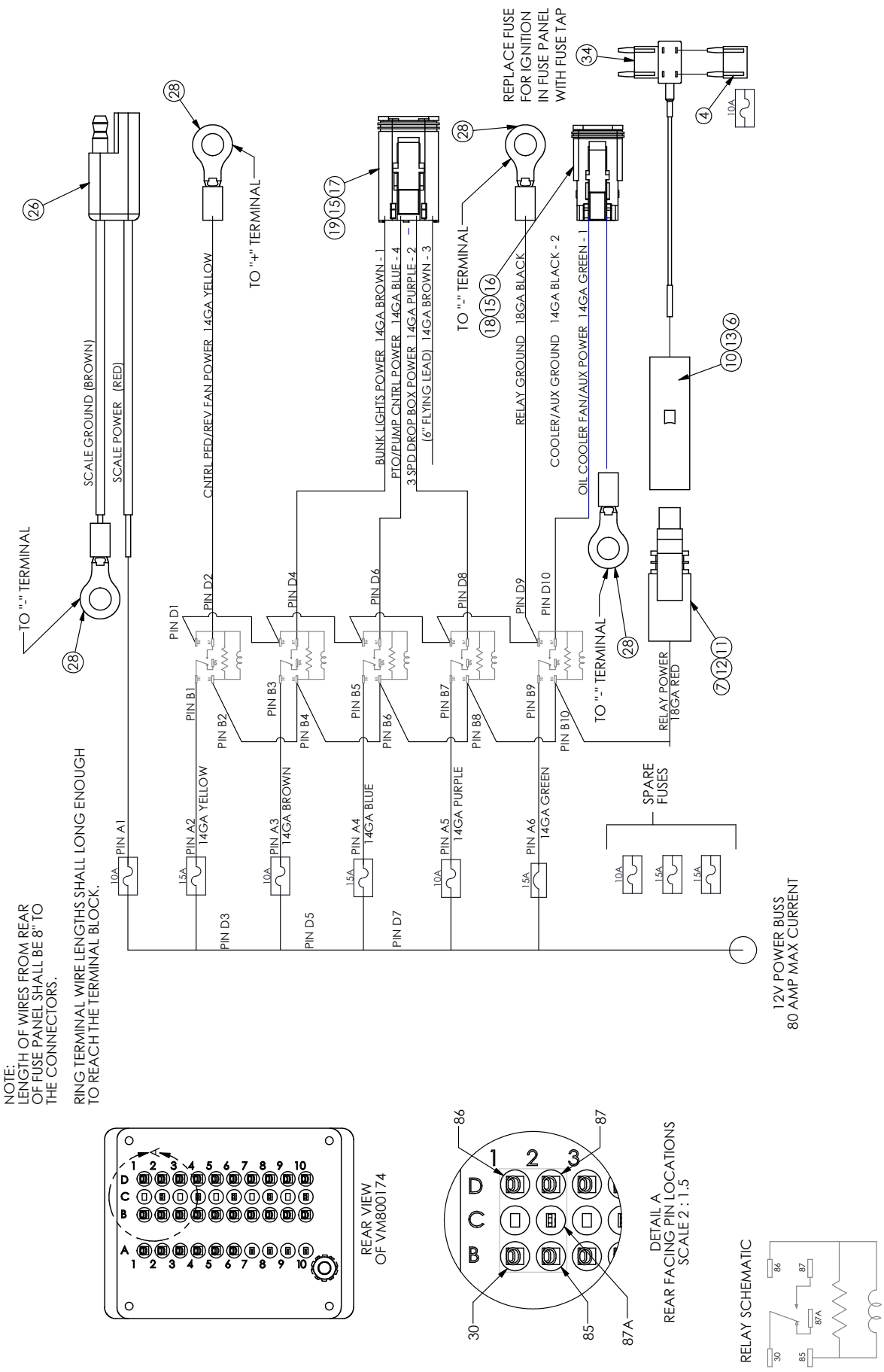
NOTES:
1. SEE SHEET 2 FOR BOX ASSEMBLY NOTES.
2. SEE SHEET 3 FOR FUSE BLOCK WIRING DETAILS.
3. LEAVE FUSE PANEL PIGTAILS INSIDE OF BOX AFTER ASSEMBLY.
4. INCLUDE THE CONNECTORS AND PINS NOT USED IN THE BOX FOR USE AT THE FINAL ASSEMBLY STAGE.
5. CONNECT HOUR METER TO THE TERMINAL BLOCK WITH THE SUPPLIED PUSH ON CONNECTORS AND RING TERMINALS (BOTH + AND -). USE 18 GA RED AND BLACK WIRES.
6. NOTE LOCATIONS OF RING TERMINALS TO THE TERMINAL BLOCK AND CONNECT ACCORDINGLY.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 6 | BLT14X34ONC | 1/4X3/4 SLOTTED TRUSS BOLT |
| 2 | 1 | DEC704 | POS/NEG TERMINAL DECAL |
| 3 | 1 | DEC705 | RELAY FUSE DECAL |
| 4 | 5 | JES29710A | 10 AMP RED MINI FUSE |
| 5 | 4 | JES29715A | 15 AMP BLUE MINI FUSE |
| 6 | 1 | JES30034 | MALE WPACK TERMINAL 20/18 |
| 7 | 1 | JES30035 | FEM WPACK TERMINAL 20/18 |
| 8 | 1 | JES31034 | MALE WPACK TERMINAL16/14 |
| 9 | 1 | JES31035 | FEM WPACK TERMINAL16/14 |
| 10 | 2 | JES38040 | WPACK SHROUD |
| 11 | 2 | JES38041 | WPACK TOWER |
| 12 | 2 | JES39000 | WPACK WEATHER SEAL 16-18GA |
| 13 | 2 | JES39001 | WPACK WEATHER SEAL 14GA |
| 14 | 1 | JES46762 | 15 AMP CIRCUIT BREAKER |
| 15 | 6 | JES046220916141 | FEM DEUTSCH TERMINAL 14GA |
| 16 | 1 | JESDT062S | DEUTSCH 2 PIN PLUG |
| 17 | 1 | JESDT064S | DEUTSCH 4PIN PLUG |
| 18 | 1 | JEW2S | DEUTSCH 2PIN WEDGE LOCK |
| 19 | 1 | JEW4S | DEUTSCH 4PIN WEDGE LOCK |
| 20 | 1 | MON104232 | ELCT BOX FRONT |
| 21 | 1 | MON104233 | ELCT BOX BACK |
| 22 | 1 | MON104234 | ELCT BOX PANEL FILLER |
| 23 | 1 | MON800633 | 2 POS 30A TERMINAL BLOCK |
| 24 | 4 | NUT14WHIZ | 1/4 SERERATED FLANGED NUT |
| 25 | 2 | NUT1024TOOTHLCK | 10-24 TOOTH LOCK NUT |
| 26 | 1 | SCA2WAY | 2 WAY RUBBER CONNECTOR |
| 27 | 4 | SPMB1032X12SSP | 10-32X1/2 MACHINE SCREW |
| 28 | 6 | STI700279 | TERMINAL RING |
| 29 | 2 | STI700291 | TERMINAL PUSH ON |
| 30 | 1 | STI701955 | MINI HOUR METER |
| 31 | 2 | STI703020 | 1/4-20 CLIP-ON NUT |
| 32 | 5 | STI703575 | 2VDC SPDT 280 MICRO RELAY |
| 33 | 26 | STI703753 | FEM TERM 280 TANG METRI-PACK |
| 34 | 1 | STI705246 | 10A TAP MINI FUSE |
| 35 | 20 | STIWIRE14PR03 | 14GA BLUE WIRE |
| 36 | 20 | STIWIRE14PR05 | 14GA YELLOW WIRE |
| 37 | 28 | STIWIRE14PR06 | 14GA BROWN WIRE |
| 38 | 20 | WTIWIRE14PR37 | 14GA PURPLE WIRE |
| 39 | 20 | STIWIRE14PR39 | 14GA GREEN WIRE |
| 40 | 30 | STIWIRE18PRBL | 18GA BLACK WIRE |
| 41 | 30 | STIWIRE18PRR | 18GA RED WIRE |
| 42 | 1 | VM800174 | 10A MINI RELAY FUSE |
| 43 | 4 | WSH316LOCKSS | 3/16 LOCK WASHER STAINLESS |

# MON900981 AUX MIXER ELECTRIC BOX ASSEMBLY

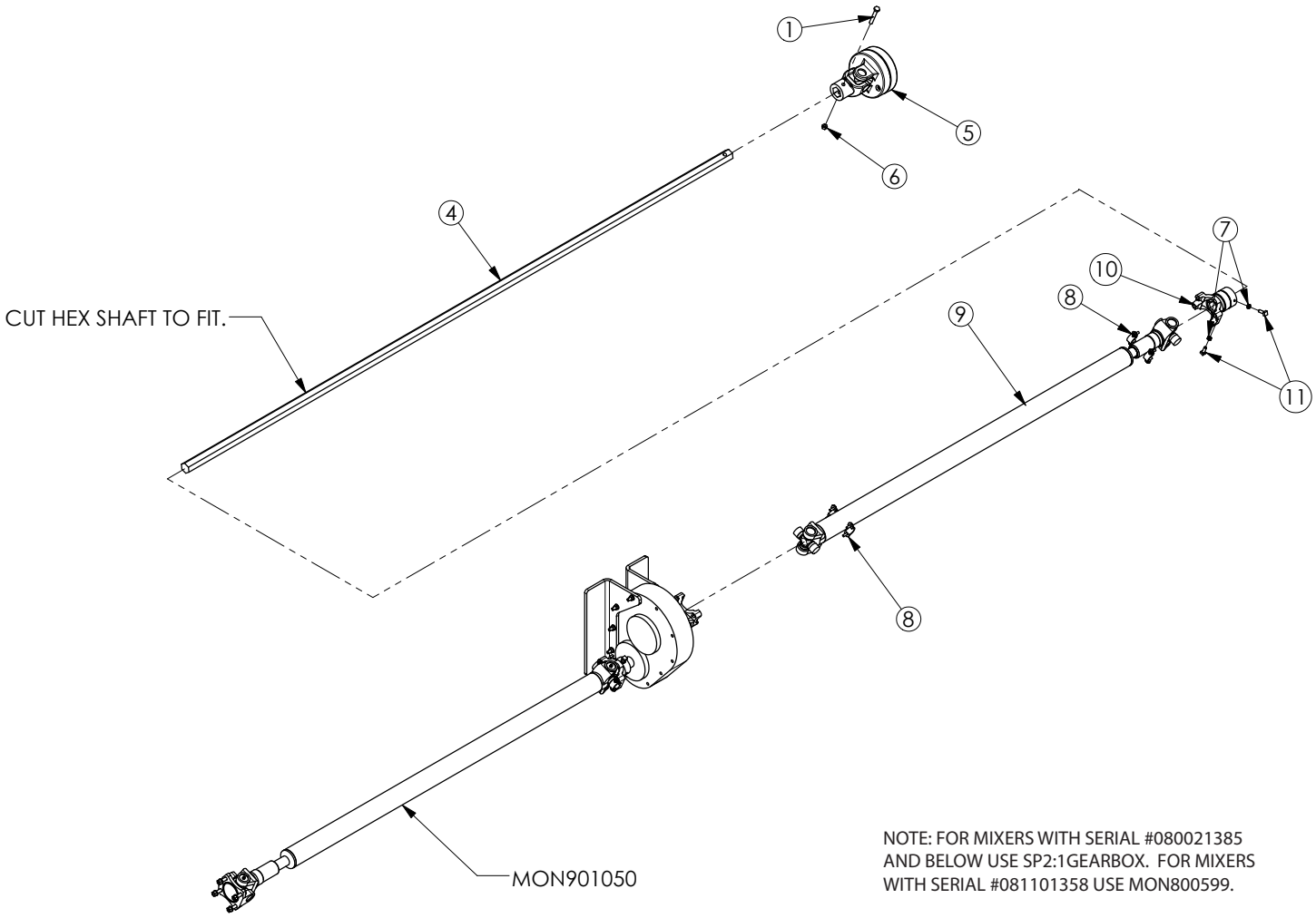


# MON900981 AUX MIXER ELECTRIC BOX ASSEMBLY



# DRIVELINE ASSEMBLIES

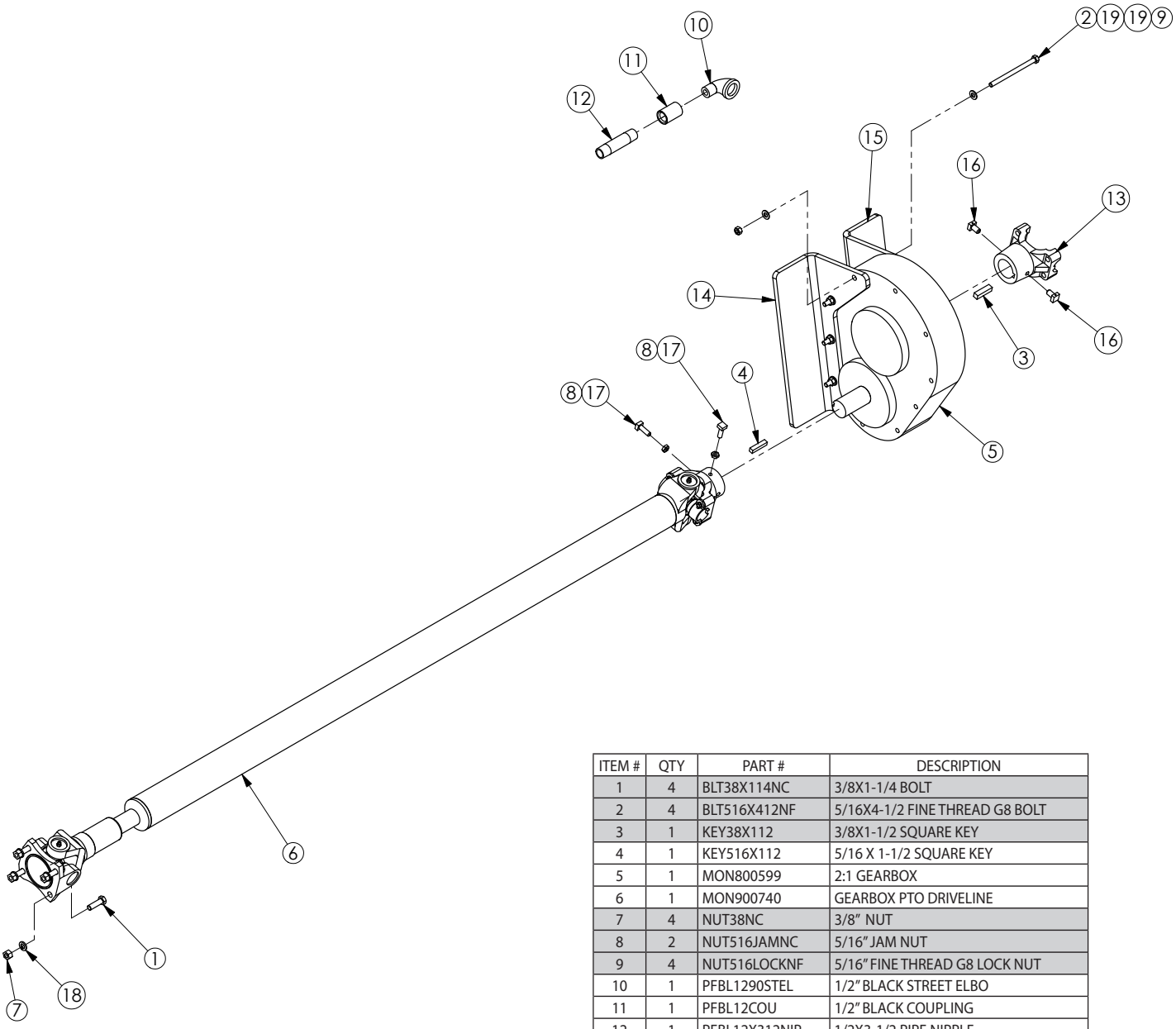
## SAC26016 PTO DRIVELINE ASSEMBLY




NOTE: FOR MIXERS WITH SERIAL #080021385 AND BELOW USE SP2:1GEARBOX. FOR MIXERS WITH SERIAL #081101358 USE MON800599.

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | BLT38X234NC | 3/8X2-3/4 BOLT |
| 2 | 1 | HYD6400-4-4R | 04 MJIC X 04 MORG ADAPTER |
| 3 | 1 | HYD6500-4-4 | 04 MJIC X 04 FJIC ELBOW ADAPTER |
| 4 | 1 | MON101898 | HEX SHAFT |
| 5 | 1 | MON800398 | SHEAR YOKE |
| 6 | 1 | NUT38LOCKNC | 3/8" LOCK NUT |
| 7 | 2 | NUT516JAMNC | 5/16" JAM NUT |
| 8 | 2 | PTO3-70-28X | PTO U-BOLT |
| 9 | 1 | SAC75757 | DRIVELINE |
| 10 | 1 | SAC75811 | PTO YOKE |
| 11 | 2 | SPSQHNC516X1 | 5/16X1 SQUARE HD SED SCREW |

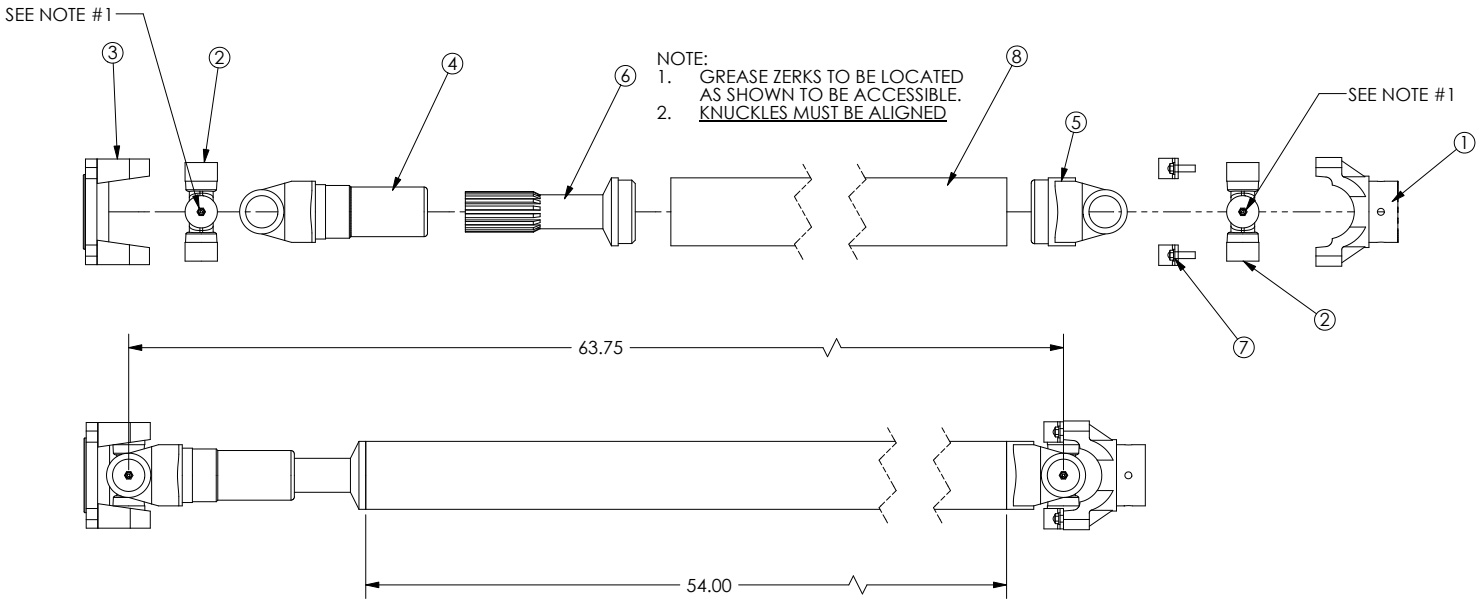
## MON901050 PTO DRIVELINE ASSEMBLY




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 4 | BLT38X114NC | 3/8X1-1/4 BOLT |
| 2 | 4 | BLT516X412NF | 5/16X4-1/2 FINE THREAD G8 BOLT |
| 3 | 1 | KEY38X112 | 3/8X1-1/2 SQUARE KEY |
| 4 | 1 | KEY516X112 | 5/16 X 1-1/2 SQUARE KEY |
| 5 | 1 | MON800599 | 2:1 GEARBOX |
| 6 | 1 | MON900740 | GEARBOX PTO DRIVELINE |
| 7 | 4 | NUT38NC | 3/8" NUT |
| 8 | 2 | NUT516JAMNC | 5/16" JAM NUT |
| 9 | 4 | NUT516LOCKNF | 5/16" FINE THREAD G8 LOCK NUT |
| 10 | 1 | PFBL1290STEL | 1/2" BLACK STREET ELBO |
| 11 | 1 | PFBL12COU | 1/2" BLACK COUPLING |
| 12 | 1 | PFBL12X312NIP | 1/2X3-1/2 PIPE NIPPLE |
| 13 | 1 | PTO3-4-333 | 1.5 X 1.825 ROUND YOKE |
| 14 | 1 | SAC60546 | FRONT RIGHT ANGLE GEARBOX MOUNT |
| 15 | 1 | SAC60547 | REAR RIGH ANGLE GEARBOX MOUNT |
| 16 | 2 | SPSQHNC38X58H | 3/8X5/8 SQUARE HEAD SET SCREW |
| 17 | 2 | SPSQHNC516X1 | 5/16X1 SQUARE HEAD SET SCREW |
| 18 | 4 | WSH38LOCK | 3/8 LOCK WASHER |
| 19 | 8 | WSH516FLATG8 | 5/16" G8 FLAT WASHER |

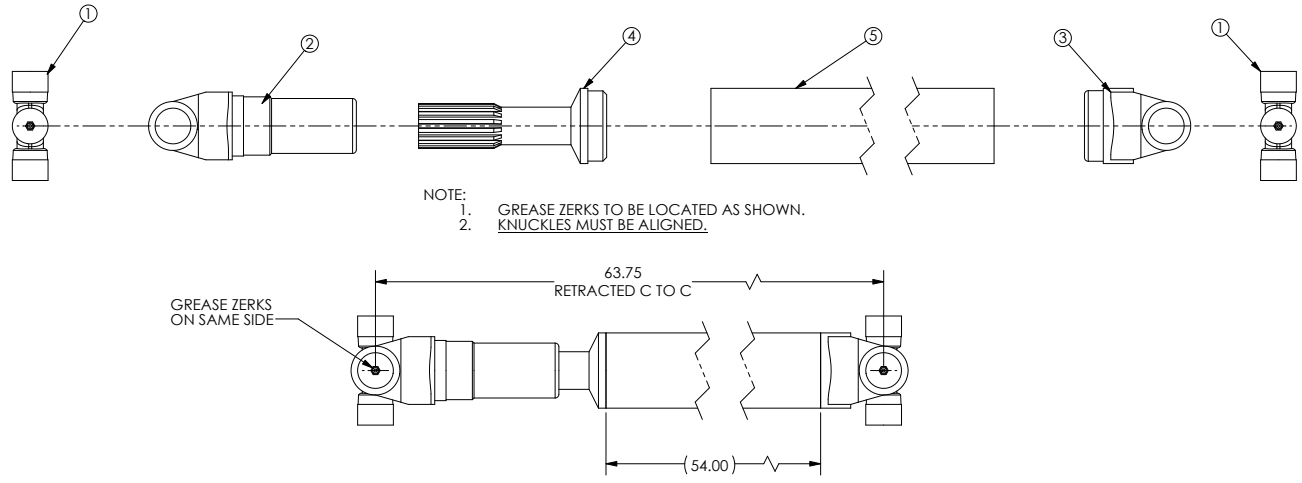
# DRIVELINE ASSEMBLIES

## MON900740 PTO DRIVELINE



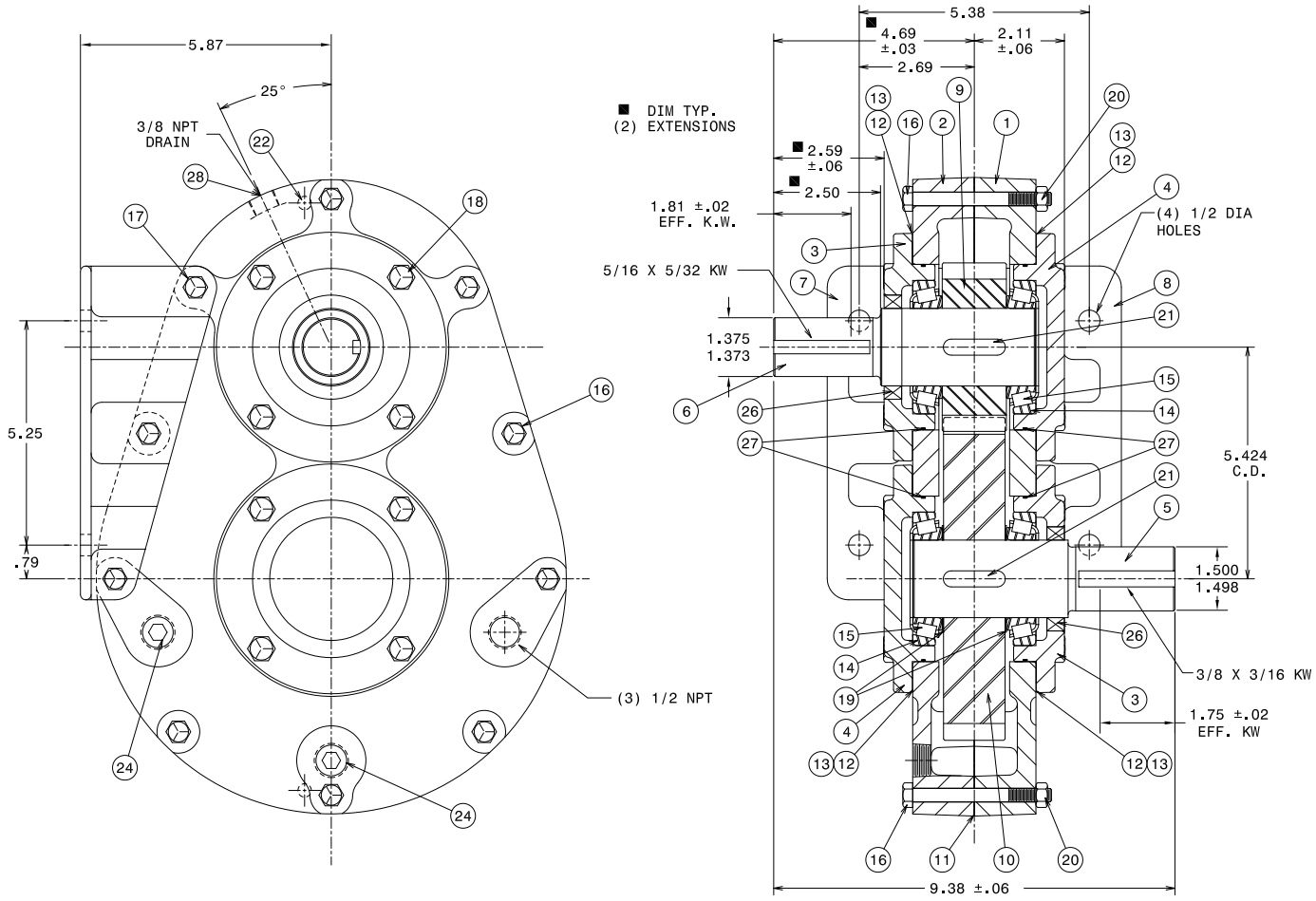

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | DM100539 | ROUND YOKE |
| 2 | 2 | PTO2-0052 | 1.188 CAPZERK CROSS |
| 3 | 1 | PTO3-2-119 | 1350 FLANGE YOKE |
| 4 | 1 | PTO3-3-598KX | SLIP SLEEVE YOKE |
| 5 | 1 | PTO-28-47 | YOKE |
| 6 | 1 | PTO3-40-1471 | SLIP YOKE SHAFT |
| 7 | 1 | PTO3-70-28X | CROSS RETAINER KIT |
| 8 | 1 | SAC300078 | DRIVELINE TUBE |

## SAC75757 PTO DRIVELINE




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | PTO2-0052 | 1.188 CAPZERK CROSS |
| 2 | 1 | PTO3-3-598KX | SLIP YOKE SLEEVE |
| 3 | 1 | PTO-28-47 | YOKE |
| 4 | 1 | PTO3-40-1471 | SLIP YOKE SHAFT |
| 5 | 1 | SAC300078 | DRIVELINE TUBE |

# SP2.1GEARBOX ASSEMBLY




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 0223-00164 | HOUSING HALF |
| 2 | 1 | 0225-00439 | HOUSING HALF |
| 3 | 2 | 0223-00166 | OPENED CAP |
| 4 | 2 | OSW831721 | CLOSED CAP |
| 5 | 1 | SAC35294 | OUTPUT SHAFT |
| 6 | 1 | 0225-01266 | INPUT SHAFT |
| 7 | 1 | 0223-00169 | MOUNTING BRACKET |
| 8 | 1 | 0223-00170 | MOUNTING BRACKET |
| 9 | 1 | 0223-00178 | 20 TOOTH LH GEAR |
| 10 | 1 | SP0223-00174 | 40 TOOTH RH GEAR |
| 11 | 1 | OSW831728 | GASKET |
| 12 | 8 | MPRM344215 | .002 SHIM (RED) |
| 13 | 8 | MPRM344215A | .005 SHIM (BLUE) |
| 14 | 4 | TIM18620 | BEARING CUP |

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 15 | 4 | TIM18690 | BEARING CUP |
| 16 | 7 | BLT516X314NC | 5/16X3-1/4 BOLT |
| 17 | 3 | BLT516X4NC | 5/16X4 BOLT |
| 18 | 16 | BLT38X1NC | 3/8X1 BOLT |
| 19 | 2 | OSW833780 | SHIM |
| 20 | 10 | NUT516NC | 5/16 NUT |
| 21 | 2 | 8471705050 | 3/8 KEY X 1-7/16 |
| 22 | 2 | 8471709001 | DOWEL PIN |
| 23 | 1 | 8631251002 | 1/2X1/8NPT PIPE |
| 24 | 2 | SP8631261004 | 1/2NPT PLUG |
| 25 | 1 | 8631271001 | VENTED PLUG |
| 26 | 2 | SELCR18039 | SEAL |
| 27 | 4 | 8748009070 | O-RING |
| 28 | 1 | PFBL38PLUG | 3/8 PLUG |

# APPENDIX

## OIL SPECIFICATIONS FOR DROP GEARBOX

**OIL CHANGE:** After initial 100 hours, then every 1000 hours or annually thereafter. These intervals may be modified depending on the actual operating conditions. If used on seasonal equipment, it is recommended that the oil be changed at the end of each season to remove moisture and corrosive contaminants.

**OIL FILL LEVEL:** Unit should be filled with aprroximately 1.5 pints of gear lube so that the oil is to the top of the filler neck or to the middle of the sight guage. (if so equipped)

**OIL TYPE:** EP 80 to 90 WT gear lube, Viscosity Index of 93 and a viscosity of 780 @ 100 degrees F SUS and 76.7 @ 210 degrees F SUS is recommended.

**GEARBOX TEMPERATURE:** ***DO NOT EXCEED 200 DEGREES F.***

## OIL SPECIFICATIONS FOR HYDRAULIC SYSTEM

**OIL CHANGE:** Normal change intervals of 1000 hours or annually should be followed. If used on seasonal equipment, it is recommended that the oil be changed at the end of each season to remove moisture and corrosive contaminants.

**OIL FILL LEVEL:** Oil in the hydraulic tank should be maintained at a level that is 2" below the filler cap or visible in the sight gage, if so equipped.

**OIL TYPE:** Hydraulic Oil Viscosity Index of 140, with a viscosity of 281 @ 100 degrees F SUS and 56.5 @ 210 degrees F SUS is recommended.

**OIL TEMPERATURE:** ***DO NOT EXCEED 170 DEGREES F.***

## OIL SPECIFICATIONS FOR ELECTRIC HYDRAULIC UNIT

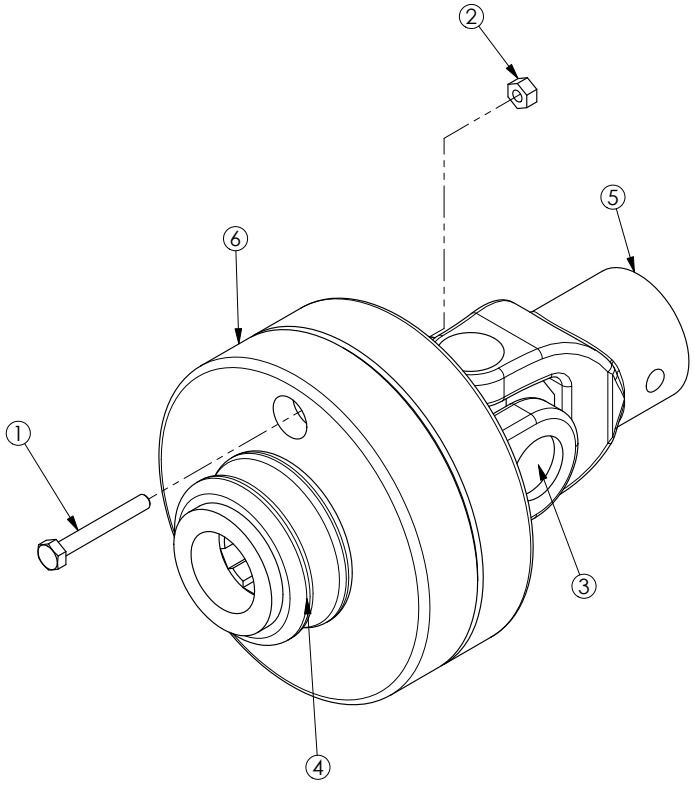
**OIL CHANGE:** Normal change intervals of 1000 hours or annually should be followed. Oil should be changed with the hydraulic cylinders retracted.

**OIL FILL LEVEL:** With the hydraulic cylinders retracted, fill the reservior to 1-1/2" below the filler cap. (approximately 2 gallons)

**OIL TYPE:** Dextron III Automatic Transmission Fluid

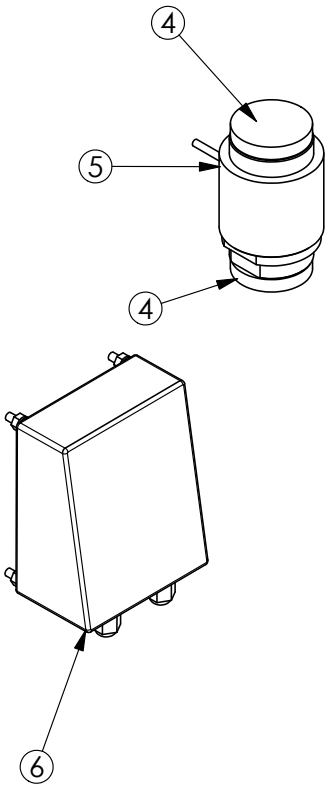
**OIL TERMPERATURE:** ***DO NOT EXCEED 200 DEGREES F.***

# MON800398 SHEAR YOKE

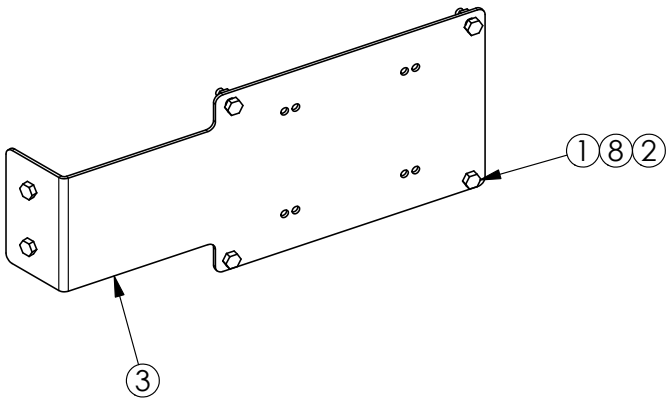



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | BLT14X2NC | 1/4X2 BOLT |
| 2 | 1 | NUT14LOCKNC | 1/4" LOCK NUT |
| 3 | 1 | PTO22275 | PTO CROSS KIT |
| 4 | 1 | PTO2610015 | SLIDE LOCK REPAIR KIT |
| 5 | 1 | PTO350112450 | YOKE |
| 6 | 1 | PTO4030005 | SHEAR BALL ASSEMBLY |

# SAC75999 DS REMOTE SCALE KIT

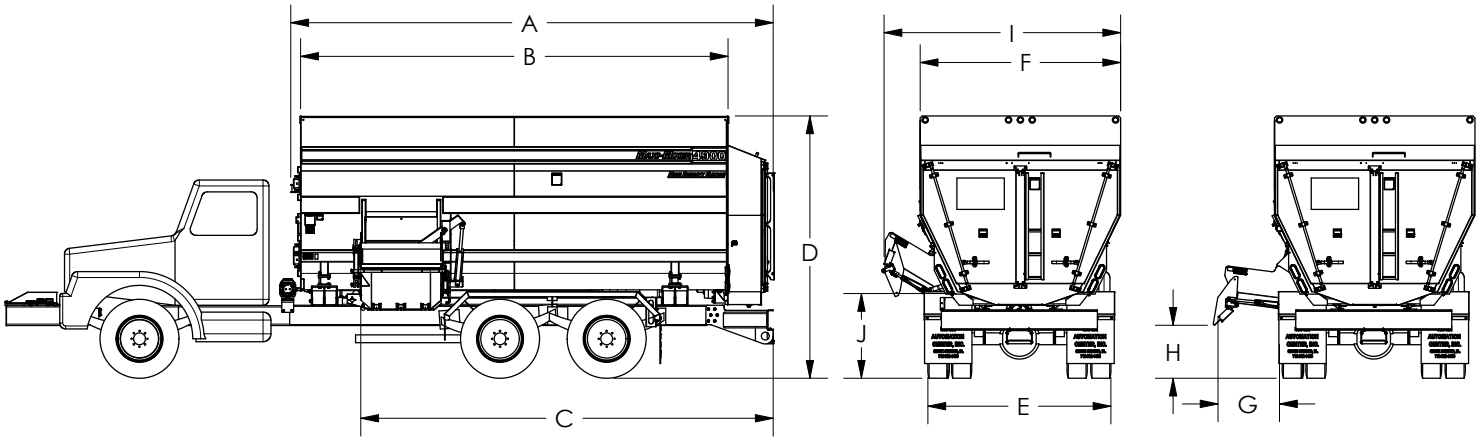



NOTE:
SCALE POWER HARNESS AND JUNCTION BOX CABLE SCA170008 AND SCA170053 ARE CONTAINED WITHIN CONTROL CONSOLE KITS.



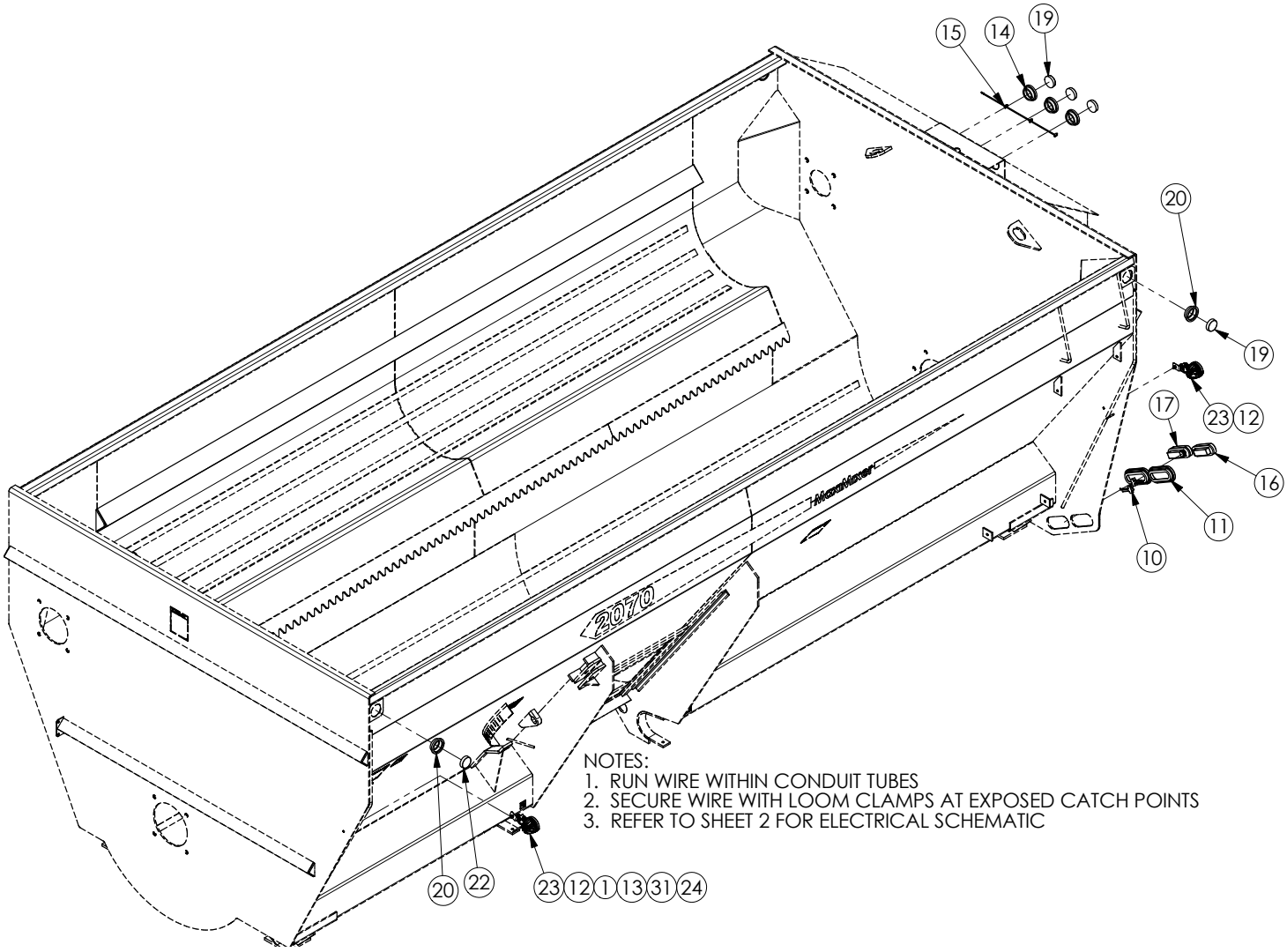

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 10 | BLT14X34NC | 1/4X3/4 BOLT |
| 2 | 10 | NUT14NC | 1/4" NUT |
| 3 | 1 | SCA170026 | REMOTE INDICATOR BRACKET |
| 4 | 8 | SCA170030 | LOADCELL SHIM |
| 5 | 4 | SCA403275 | 30K LOADCELL |
| 6 | 1 | SCA404930 | JUNCTION BOX |
| 7 | 30 | SPCABLETIEMED | CABLE TIE |
| 8 | 10 | WSH14LOCK | 1/4" LOCK WASHER |

# MAXI-MIXER 4000 SERIES TRUCK SPECIFICATIONS




| MODEL | 4500 | 4600 | 4750HDR | 4900HDR |
|---|---|---|---|---|
| **DIMENSIONS (INCHES)** | **TRUCK** | **TRUCK** | **TRUCK** | **TRUCK** |
| A - Overall Length[2] | 207 | 244 | 244 | 244 |
| B - Mixing Chamber Length | 180 | 216 | 216 | 216 |
| C - Front Discharge to Bumper | 172 | 208 | 209 | 209 |
| D - Overall Height[1] | 114 | 114 | 123 | 134 |
| E - Tread Width[3] | 94 | 94 | 94 | 94 |
| F - Overall Width (mixer only) | 97 | 97 | 102 | 102 |
| G - Power Discharge - max. reach | | | | |
| 31” 3-Auger | 29 | 29 | 28 | 28 |
| 39” 3-Auger | 31 | 31 | 32 | 32 |
| 48” 3-Auger | 38 | 38 | 39 | 39 |
| H - Power Discharge - max. height[1] | | | | |
| 31” 3-Auger | 35 | 35 | 30 | 30 |
| 39” 3-Auger | 33 | 33 | 28 | 28 |
| 48” 3-Auger | 42 | 42 | 37 | 37 |
| I - Power Discharge - transport width | | | | |
| 31” 3-Auger | 111 | 111 | 113 | 113 |
| 39” 3-Auger | 115 | 115 | 122 | 122 |
| 48” 3-Auger | 121 | 121 | 128 | 128 |
| J - Hinge height for discharge[1] | 43 | 43 | 44 | 44 |
| **SPECIFICATIONS** | | | | |
| Unit Weight - pounds[2] | 14800 | 16600 | 20580 | 21760 |
| Maximum Net Load - pounds | 15750 | 18900 | 26250 | 31500 |
| Mixing Capacity - cubic feet | 525 | 630 | 750 | 900 |
| Lower Augers | | | | |
| Flighting Diameter | 28 | 28 | 28 | 28 |
| Flighting Thickness - Sectional[4] | 3/4, 5/8 & 1/2 | 3/4, 5/8 & 1/2 | 3/4, 5/8 & 1/2 | 3/4, 5/8 & 1/2 |
| Tube - Outside Diameter | 6-5/8 | 6-5/8 | 8-5/8 | 8-5/8 |
| Tube - Wall Thickness | 23/32 | 23/32 | 1/2 | 1/2 |
| Drive Shaft Diameter | 3-7/16 | 3-7/16 | 3-7/16 | 3-7/16 |
| Upper Auger | | | | |
| Flighting Diameter | 28 | 28 | 28 | 28 |
| Flighting Thickness - Sectional | 1/2 | 1/2 | 1/2 | 1/2 |
| Tube - Outside Diameter | 6-5/8 | 6-5/8 | 6-5/8 | 6-5/8 |
| Tube - Wall Thickness | 23/32 | 23/32 | 23/32 | 23/32 |
| Drive Shaft Diameter | 3-7/16 | 3-7/16 | 3-7/16 | 3-7/16 |
| Box Construction - material thickness | | | | |
| Auger Bottoms | 1/4 | 1/4 | 5/16 | 5/16 |
| End Panels | 1/4 | 1/4 | 1/4 | 1/4 |
| Mixing Chamber - right side | 1/4 | 1/4 | 1/4 | 1/4 |
| Mixing Chamber - left side | 3/16 | 3/16 | 3/16 | 3/16 |
| Door Opening Size | 31 1/2 X 31 1/2 | 31 1/2 X 31 1/2 | 31 1/2 X 36 | 31 1/2 X 36 |
| Drive System | | | | |
| Planetary | 18:1 | 18:1 | 22:1 | 22:1 |
| Roller Chain | 100-140 | 100-140 | 120-160 | 120-160 |

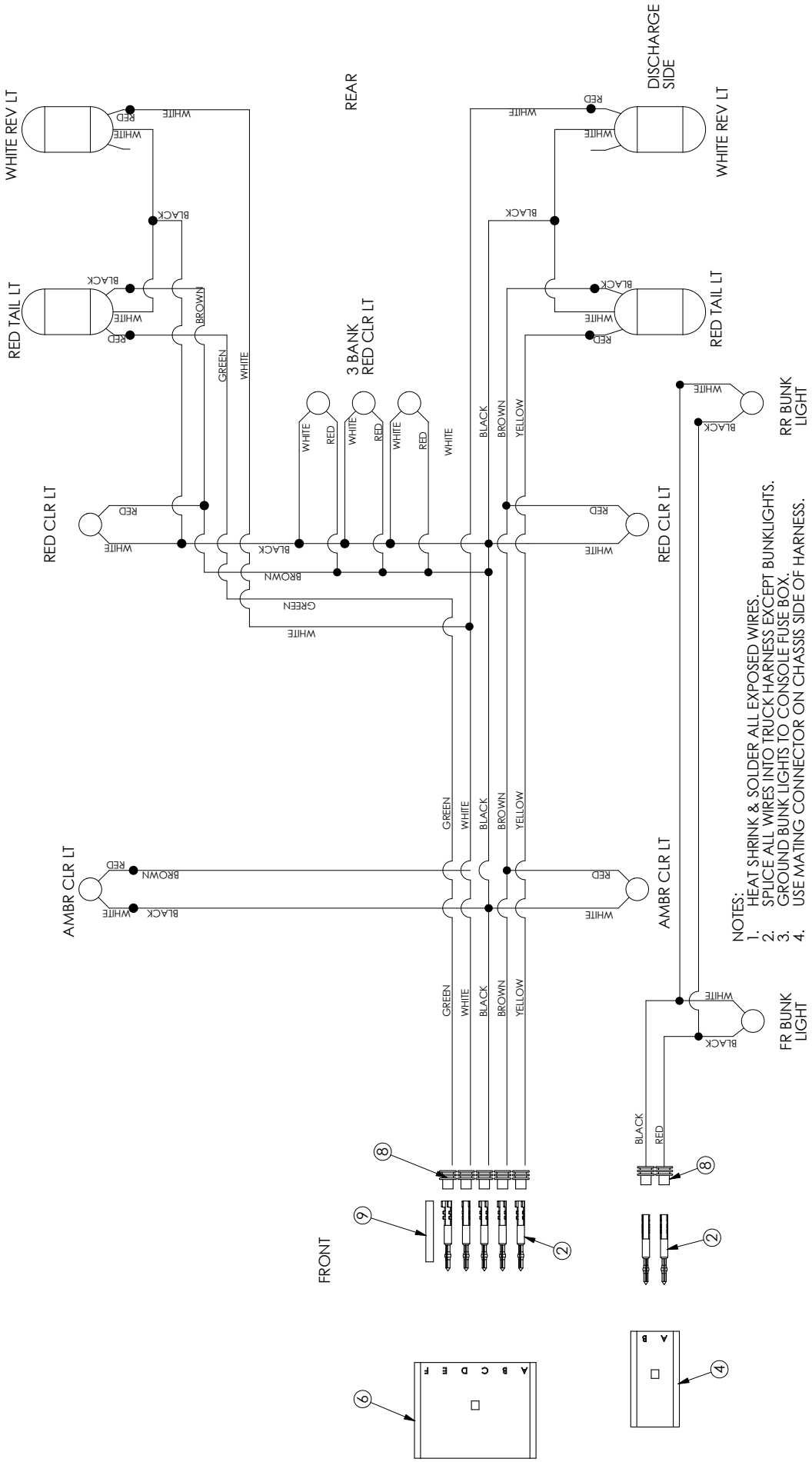
# MON900475 LIGHT KIT




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | BLT516X34NC | 5/16X3/4 BOLT |
| 2 | 7 | JES31034 | 16/14 MALE WEATHERPACK TERMINAL |
| 3 | 7 | JES31035 | 16/14 FEMALE WEATHERPACK TERMINAL |
| 4 | 1 | JES38042 | 2 SHROUD WEATHERPACK CONNECTOR |
| 5 | 1 | JES38043 | 2 TOWER WEATHERPACK CONNECTOR |
| 6 | 1 | JES38048 | 6 SHROUD WEATHERPACK CONNECTOR |
| 7 | 1 | JES38049 | 6 TOWER WEATHERPACK CONNECTOR |
| 8 | 14 | JES39001 | 14GA WEATHERPACK CABLE SEAL |
| 9 | 2 | JES39010 | WEATHERPACK CAVITY PLUG |
| 10 | 4 | KN174724 | LIGHT CONNECTOR |
| 11 | 4 | KN174725 | OVAL LIGHT GROMMET |
| 12 | 2 | MON104325 | BUNK LIGHT BRACKET |
| 13 | 2 | NUT516NC | 5/16" NUT |
| 14 | 3 | SPB14318 | 2-1/2" GROMMET |
| 15 | 1 | SPB15049 | LIGHT CONNECTOR |

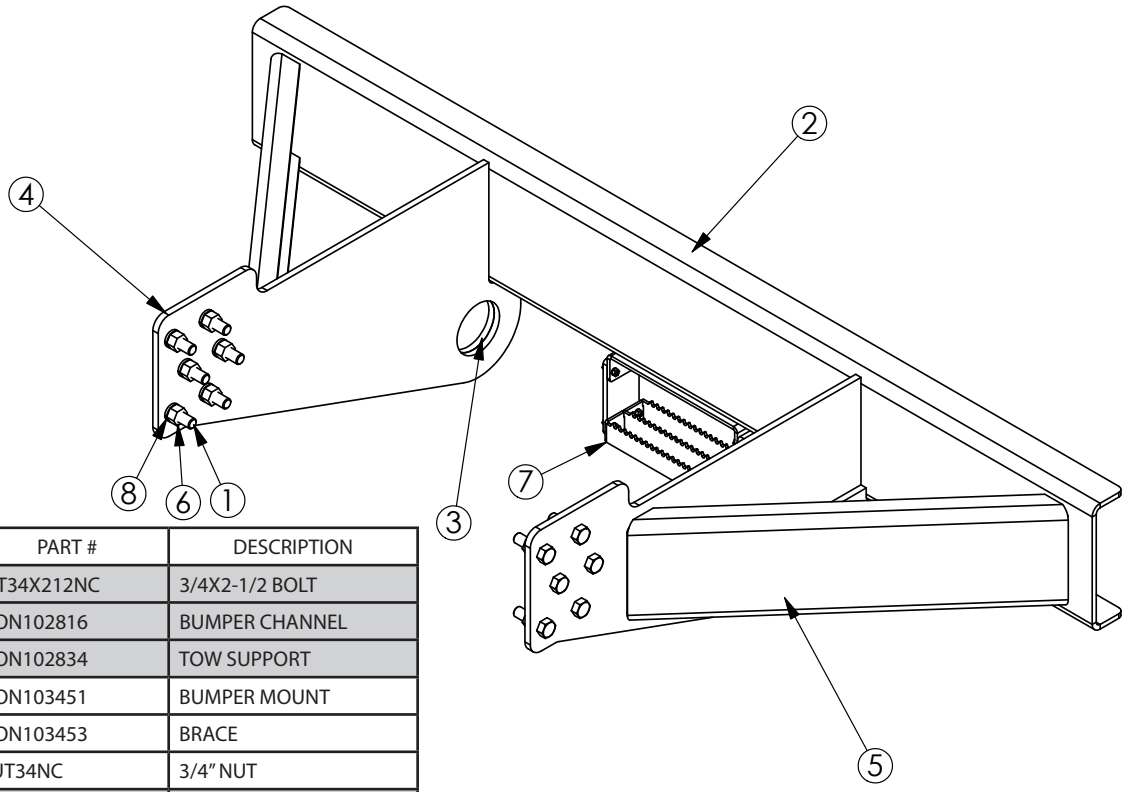
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 16 | 2 | SPM821C7 | CLEAR BACKUP LIGHT |
| 17 | 2 | SPM821R7 | RED STOP LIGHT |
| 18 | 48 | STI14SHRINK | 1/4" HEAT SHRINK TUBE |
| 19 | 5 | STI700148 | RED CLEARANCE LIGHT |
| 20 | 4 | STI700193 | ROUND LIGHT GROMMET |
| 21 | 6 | STI700200 | LOOM CLAMP |
| 22 | 2 | STI700921 | AMBER CLEARANCE LIGHT |
| 23 | 2 | STI704343 | WORK FLOOD LIGHT |
| 24 | 2 | STI704503 | DEUTSCH WIRE HARNESS |
| 25 | 700 | STIWIRE14PR01 | 14GA BLACK WIRE |
| 26 | 500 | STIWIRE14PR02 | 14GA RED WIRE |
| 27 | 500 | STIWIRE14PR05 | 14GA YELLOW WIRE |
| 28 | 700 | STIWIRE14PR06 | 14GA BROWN WIRE |
| 29 | 600 | WTIWIRE14PR38 | 14GA WHITE WIRE |
| 30 | 600 | STIWIRE14PR39 | 14GA GREEN WIRE |
| 31 | 2 | WSH516LOCK | 5/16" LOCK WASHER |

# MON900475 LIGHT KIT



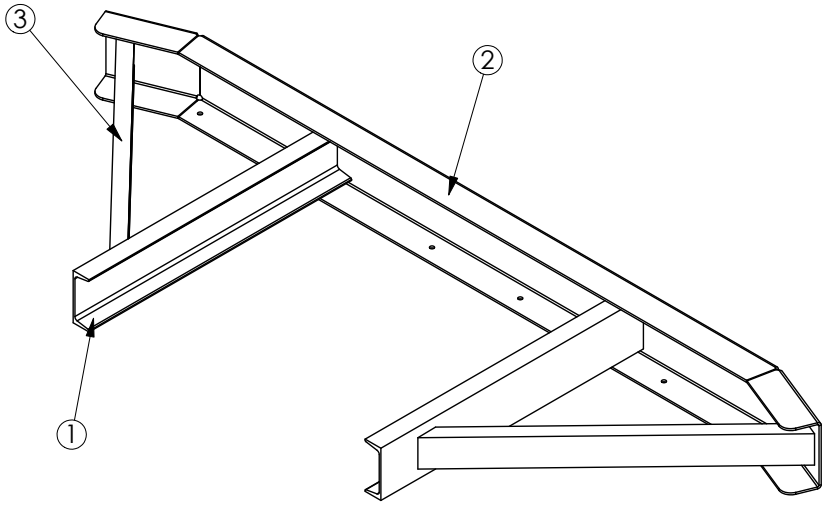
# REAR BUMPER OPTIONS

## MON900876 HEAVY DUTY REAR BUMPER




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 12 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 2 | 1 | MON102816 | BUMPER CHANNEL |
| 3 | 2 | MON102834 | TOW SUPPORT |
| 4 | 2 | MON103451 | BUMPER MOUNT |
| 5 | 2 | MON103453 | BRACE |
| 6 | 12 | NUT34NC | 3/4" NUT |
| 7 | 1 | STI593511 | BOLT ON STEP KIT |
| 8 | 12 | WSH34LOCK | 3/4" LOCK WASHER |

## MON900877 STANDARD REAR BUMPER

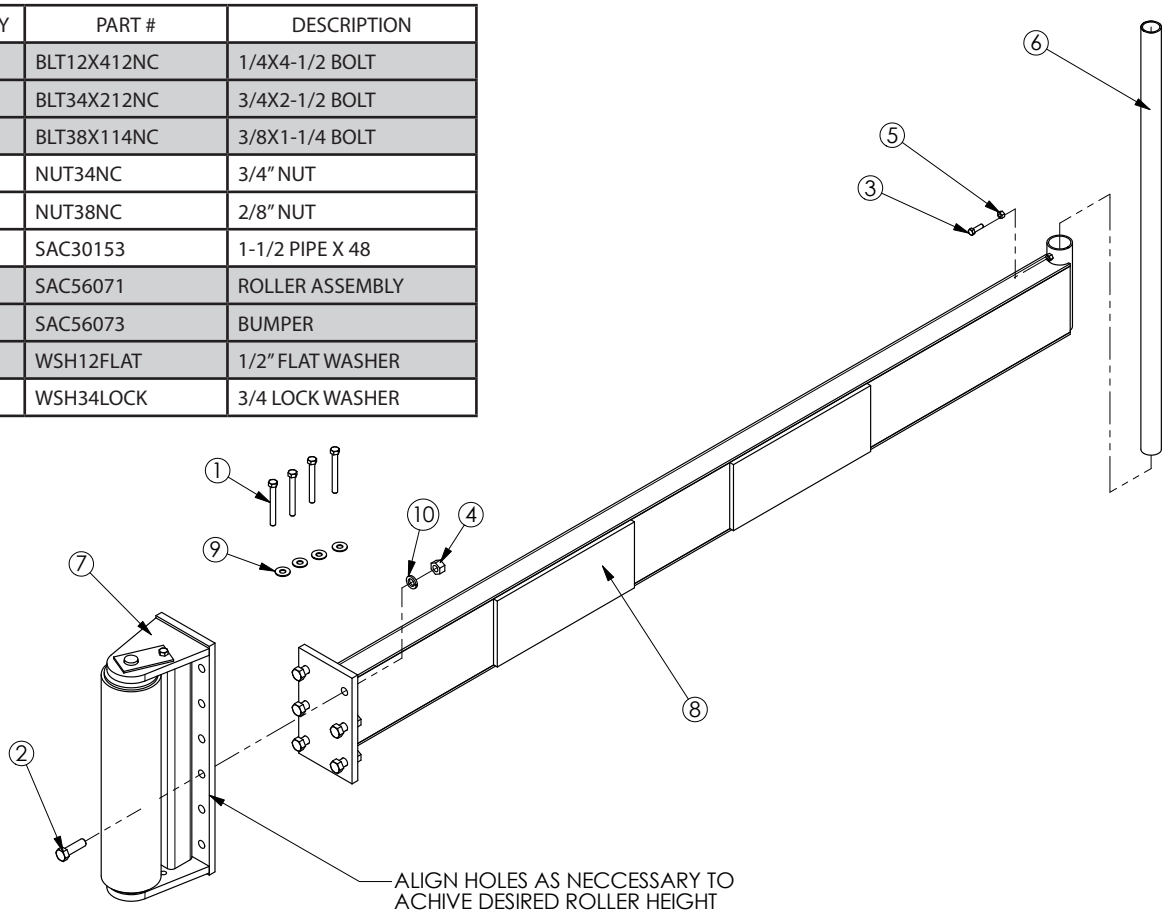



| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 2 | MON101238 | BUMPER MOUNT |
| 2 | 1 | SAC35333 | BUMPER |
| 3 | 2 | SAC35528 | BUMPER SUPPORT |

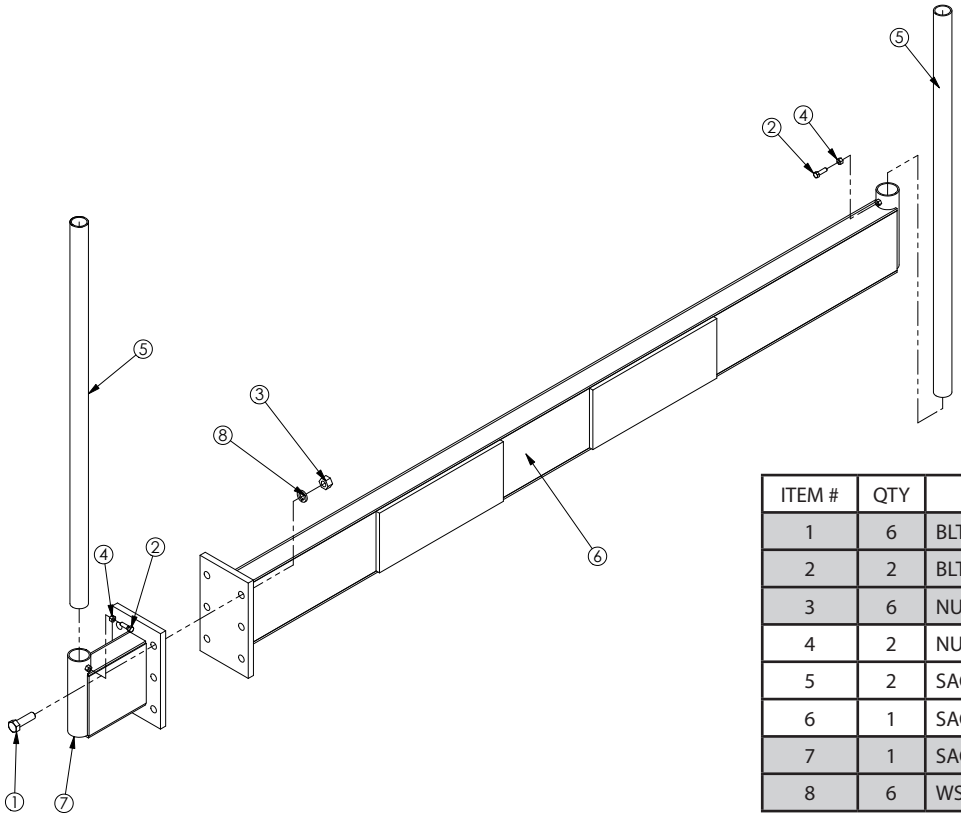
# FRONT BUMPER OPTIONS

## SAC56058 ROLLER FRONT BUMPER

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 4 | BLT12X412NC | 1/4X4-1/2 BOLT |
| 2 | 6 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 3 | 1 | BLT38X114NC | 3/8X1-1/4 BOLT |
| 4 | 6 | NUT34NC | 3/4" NUT |
| 5 | 1 | NUT38NC | 2/8" NUT |
| 6 | 1 | SAC30153 | 1-1/2 PIPE X 48 |
| 7 | 1 | SAC56071 | ROLLER ASSEMBLY |
| 8 | 1 | SAC56073 | BUMPER |
| 9 | 4 | WSH12FLAT | 1/2" FLAT WASHER |
| 10 | 6 | WSH34LOCK | 3/4 LOCK WASHER |

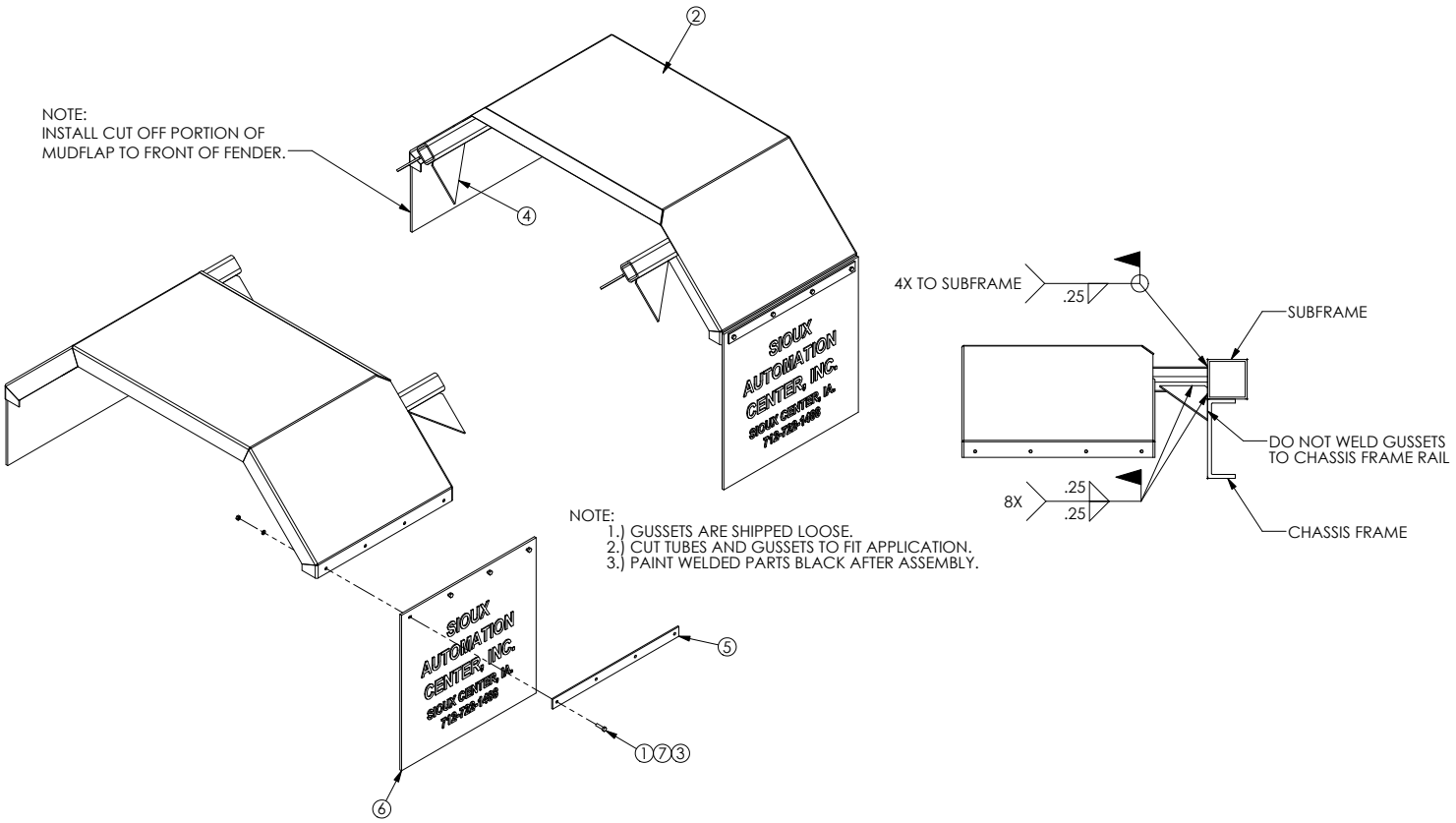



## SAC56078 EXTENSION FRONT BUMPER



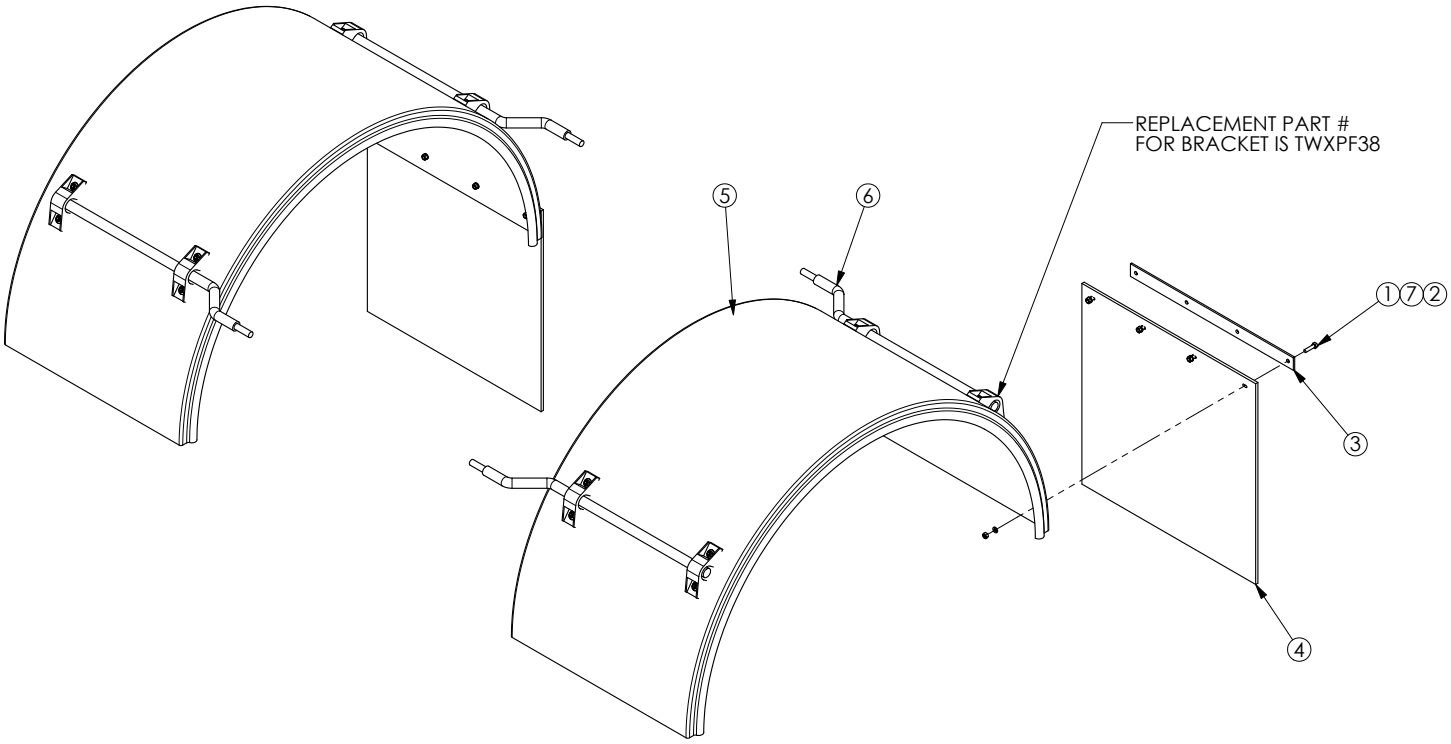
| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 6 | BLT34X212NC | 3/4X2-1/2 BOLT |
| 2 | 2 | BLT38X114NC | 3/8X1-1/4 BOLT |
| 3 | 6 | NUT34NC | 3/4" NUT |
| 4 | 2 | NUT38NC | 3/8" NUT |
| 5 | 2 | SAC30153 | 1-1/2 PIPE X 48 |
| 6 | 1 | SAC56073 | BUMPER |
| 7 | 1 | SAC56081 | BUMPER EXTENSION |
| 8 | 6 | WSH34LOCK | 3/4" LOCK WASHER |

# FENDER OPTIONS




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 16 | BLT516X114NC | 5/16X1-1/4 BOLT |
| 2 | 2 | MON701562 | SINGLE FENDER WELDMENT |
| 3 | 16 | NUT516NC | 5/16" NUT |
| 4 | 8 | RP100021 | GUSSET |
| 5 | 4 | SAC56009 | MUD FLAP STRAP |
| 6 | 1 | SACFLAP24X36 | MUD FLAP |
| 7 | 16 | WSH516LOCK | 5/16" LOCK WASHER |

# FENDER OPTIONS




| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 8 | BLT516X114NC | 5/16X1-1/4 BOLT |
| 2 | 8 | NUT516NC | 5/16" NUT |
| 3 | 2 | SAC56009 | MUD FLAP STRAP |
| 4 | 1 | SACFLAP24X36 | MUD FLAP |
| 5 | 2 | TWHL43A | SINGLE POLY FENDER |
| 6 | 2 | TWKIT#3 | SINGLE FENDER HARDWARE KIT |
| 7 | 8 | WSH516LOCK | 5/16" LOCK WASHER |

# NOTES

# WARRANTY

SIOUX AUTOMATION CENTER, INC.(Hereafter noted as SAC) warrants to the original purchaser of a new SAC product from an authorized SAC dealer that the product and the components thereof manufactured by SAC are free from defects in material and workmanship at the time of shipment. SAC further warrants to such purchaser that each new SAC product will perform without structural or operational failure, if the product is assembled and mounted in accordance with SAC's instruction and drawings, and is then operated and maintained as described in the Owner's Manual.

**WARRANTY PERIOD**

The above warranty on materials and workmanship shall be effective for a period of 1 year on hydrostatic system components, 3 years on weighbars/loadcells, and 1 year on material and workmanship of SAC manufactured components. The warranty period shall be effective from the date of delivery by the SAC dealer to the initial purchaser.

**PURCHASER'S REMEDIES**

If a warranted SAC product or component fails to conform to the above warranty during the warranty period, SAC will furnish the parts and labor at the factory or authorized dealer necessary to correct such failure, provided SAC is notified through the selling representative within 30 days of the discovery of the failure. All warranty submissions must include the original part in question, along with a properly filled out warranty claim sheet, before a warranty award will be made. Labor at the factory or dealer is specified as labor done at the SAC factory or SAC authorized dealer ONLY! SAC will pay the common carrier freight expense of parts to and from the owner. Faster freight service is available, with the owner paying the difference in cost between common carrier and preferred method by owner. Freight of whole goods to or from the factory is the owner's expense, regardless if they fail under warranty or not. All warranty decisions will be final!

**EXCLUSIONS**

This warranty shall not apply to component parts or accessories of products not manufactured by SAC and which carry the warranty of the manufacturer thereof. Items of high wear and regular maintenance shall not be covered under this warranty. This warranty shall be void if any part or parts not manufactured by SAC are used either in maintaining or servicing of the products covered by this warranty. No warranty whatsoever is made on used, secondhand, altered, or rebuilt machinery.

**THE OWNERS WARRANTY REGISTRATION MUST BE RECEIVED BY SAC OR AN AUTHORIZED SAC DEALER WITHIN 30 DAYS OF DELIVERY OR ALL WARRANTY IS NULL AND VOID.**

**THIS WARRANTY IS EXTENDED ONLY TO THE INITIAL PURCHASER FROM AN AUTHORIZED SAC DEALER AND MAY NOT BE REASSIGNED. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE AND SAC NEITHER ASSUMES OR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE THEREOF.**

**We reserve the right to make improvements to any of our products without notice or obligation regarding models previously sold.**

# SIOUX AUTOMATION CENTER, INC.

## *SCALE WARRANTY*

**All scale equipment will be warrantied under the original manufacture warranty. However, SIOUX AUTOMATION CENTER, INC.(Hereafter noted as SAC.) warrants to the original purchaser a LIFETIME LABOR WARRANTY on Weigh Tronix and Digi-Star scale and remote indicators. The terms of warranty are:**

**LIFETIME - From date of sale to the Original Purchaser: All labor needed to repair the original Weigh Tronix and Digi-Star scale and remote indicators.**

**This warranty, as described above, is expressly limited to the labor needed to repair the scale indicator and the remote indicators and does not cover the costs of any parts that may be needed for the indicators repair. All scale indicator labor will be performed at the SAC factory. Any labor performed outside of the SAC factory will not be covered under this warranty. All warranty decisions will be final!**

**This warranty does not cover the cost of labor, parts or transportation charges when any party other than SAC performs the replacement or repair of parts claimed to be defective, nor shall this warranty apply to an SAC product upon which any alterations or repairs other than normal maintenance have been made without the written approval of SAC.**

**SAC shall in no event be liable for consequential damages, lost profits or contingent liabilities arising out of the failure of any SAC product or parts to operate properly.**

**WARRANTY CARD MUST BE FILLED OUT AND RETURNED TO FACTORY IMMEDIATELY UPON RECEIPT OF EQUIPMENT TO INSURE WARRANTY COVERAGE.**

**THIS WARRANTY IS EXTENDED ONLY TO THE INITIAL PURCHASER FROM AN AUTHORIZED SAC DISTRIBUTOR AND MAY NOT BE REASSIGNED. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FOR A PARTICULAR PURPOSE AND SAC NEITHER ASSUMES OR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY. THERE ARE NO WARRANTIES, WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.**

**We reserve the right to make improvements to any of our products without notice or obligation regarding models previously sold.**

MAN00963 **Effective 12/12**

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