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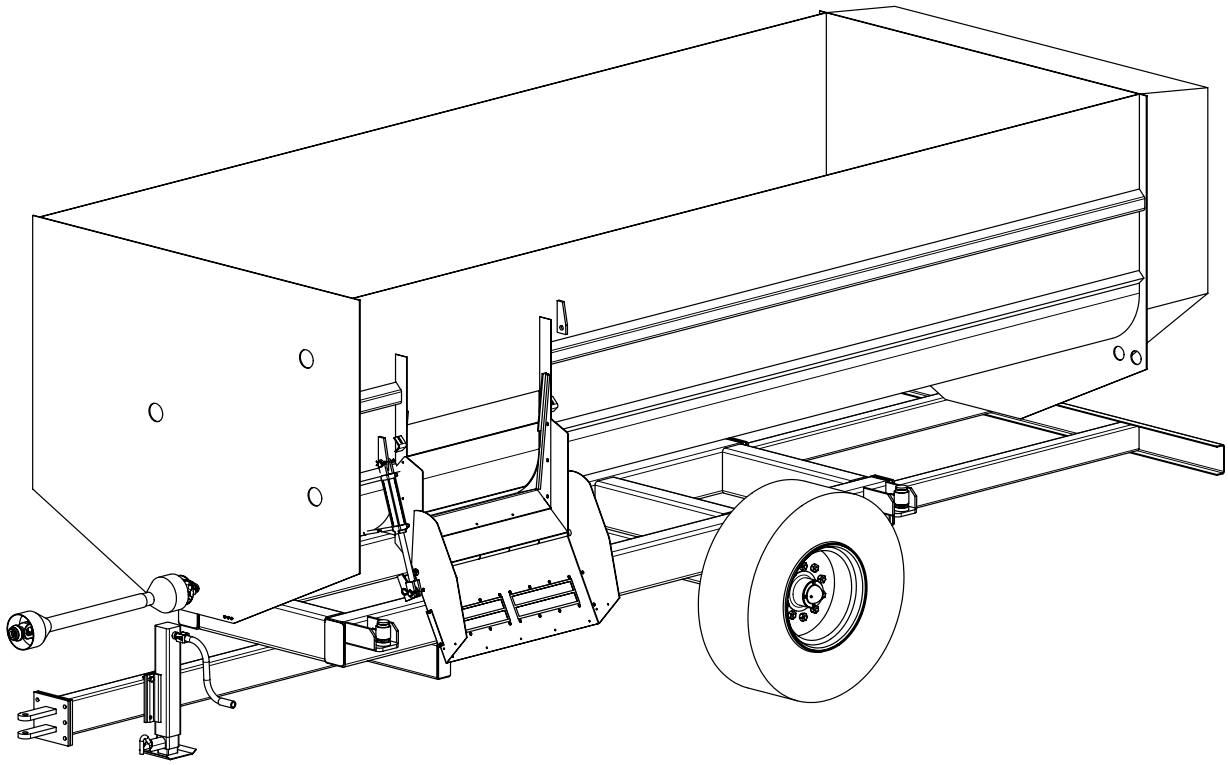
SIOUX AUTOMATION CENTER, INC.

QUALITY PEOPLE, QUALITY PRODUCTS

TURBO-MAX

6070 TRAILER

OPERATORS MANUAL



ASSEMBLY
CALIBRATION
OPERATION
REPLACEMENT PARTS

READ COMPLETE MANUAL CAREFULLY
BEFORE ATTEMPTING OPERATION

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INTRODUCTION

Thank you for purchasing a Turbo-Max Mixer Wagon. We feel you have made a wise choice and hope you are completely satisfied with your new piece of equipment. Your new Turbo-Max Mixer Wagon 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 wagon. Rating of gear or rating of tires, whichever is less.

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

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

Do not exceed 20 miles per hour when towing wagon.

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 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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SAFETY

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 booklet.

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 DEVELOPED A THOROUGH UNDERSTANDING OF SAFETY PRECAUTIONS AND HOW IT WORKS.**

To prevent injury or death, use a tractor equipped with a roll over protective system (ROPS). Do not paint over, remove, or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice 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 local highway authorities and to install and maintain equipment to provide compliance with 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 signs.
- Safety signs are available from your distributor, dealer parts department, or 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.

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 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 agricultural implement tires are inflated evenly.
- Give unit a visual inspection for any loose bolts, worn parts, or cracked welds, and make necessary repairs. Follow 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 learning process or take 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 (if equipped with brakes).
- Use a tractor equipped with Roll Over Protection System (ROPS) and fasten your seat belt prior to starting the engine.
- Manufacturer does not recommend usage of a tractor with the ROPS removed.
- Move tractor wheels to widest recommended settings to increase stability.
- Do not allow anyone to stand between tongue or hitch and towing vehicle when backing up to equipment.

DURING OPERATION

- Beware of bystanders, **PARTICULARLY CHILDREN!** Always look around to make sure that it is safe to start the engine of the towing vehicle 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 carry passengers anywhere on or in tractor or equipment.
- 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 tractor or towing vehicles brakes, disengage PTO, shut off engine, and **remove ignition key**.
- Be especially observant of 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-off 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 tractor or towing vehicle 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 towing vehicle 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 tractor engine before hand loading materials.
- No not allow operation of this unit by inexperienced or unqualified people. Keep all unqualifed people away from 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 discharging material.
- Be sure the inside of the mixer is clear of any obstruction before operating.

- Use caution when working around the discharge area. Stay clear of power chute & slide tray. These are controlled from the tractor and could operate without warning, creating pinch points which could cause severe injury or death. Always stop tractor engine and remove PTO driveline & hydraulic hoses before working close to discharge area.

- Never attempt to release jammed materials or clean materials from any area of the mixer or discharge chute with out stopping engine and removing driveline first. Moving parts can be hidden by materials, and stopped parts can start unexpectedly, causing severe injury. Always stop tractor engine and remove PTO driveline before attempted to remove jammed material or to clean.

- Never put arms or feet inside unit, power chute, or 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 stop tractor engine and remove the PTO driveline so that the mixer cannot be accidentally turned on while inspecting, servicing, repairing, or cleaning the mixer.

FOLLOWING OPERATION

- Following operation, or when unhitching, stop tractor or towing vehicle, set brakes, shut off engine and **remove 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

- **SAFETY CHAINS:** If equipment is going to be transported on a public highway, always follow state and local regulations regarding safety chains and auxiliary lighting. Be sure to check with local law enforcement agencies for your own particular regulations. If required safety chains should be obtained and installed. Only safety chains (not elastic or nylon/plastic tow straps) should be used to retain connection between towing and towed machines in event of separation of primary attaching system. Use a high strength, appropriately sized hitch pin with a mechanical retainer and attach safety chains. Criss cross chains under tongue and secure to draw bar cage, mounting loops, or bumper frame.

- Adopt safe driving practices:

  - Keep brake pedals latched together at all times. **NEVER USE INDEPENDENT BRAKING WITH MACHINE IN TOW, LOSS OF CONTROL AND/OR UPSET OF UNIT CAN RESULT**.

  - 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 tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.

  - Do not drink and drive!

- 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.

- Use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
- When driving tractor and equipment on road under 20 m.p.h. (40 kph) at night or during day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.
- 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 to trouble.
- Make sure there is plenty of ventilation. Never operate engine of towing vehicle in a closed building. Exhaust fumes may cause asphyxiation.
- Before working on this machine, stop towing 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 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.
- After servicing, be sure all tools, parts and service equipment are removed.
- Do not allow grease or oil to build up on any steps or platform.
- When replacing bolts, refer to owners 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 CAPSCREWS.

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 *

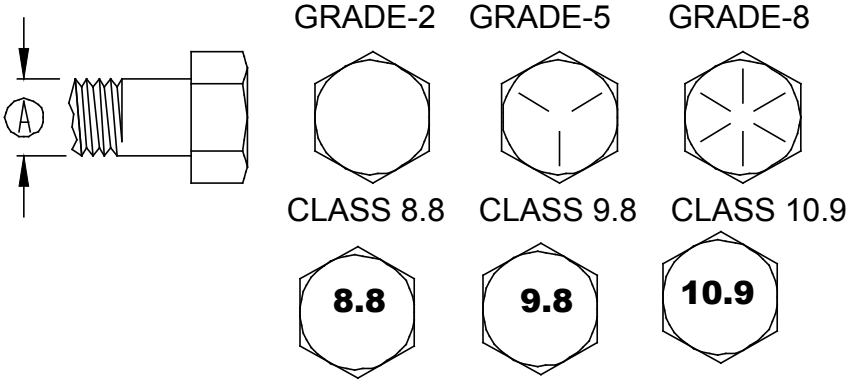
	GRADE 2		GRADE 5		GRADE 8	
"A"	lb-ft	(N.m)	lb-ft	(N.m)	lb-ft	(N.m)
1/4"	6	(8)	9	(12)	12	(16)
5/16"	10	(13)	18	(25)	25	(35)
3/8"	20	(27)	30	(40)	45	(60)
7/16"	30	(40)	50	(70)	80	(110)
1/2"	45	(60)	75	(100)	115	(155)
9/16"	70	(95)	115	(155)	165	(220)
5/8"	95	(130)	150	(200)	225	(300)
3/4"	165	(225)	290	(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.



PTO HORSEPOWER REQUIREMENTS

- PTO horsepower requirements are based on most normal dairy or beef rations. Horsepower requirements may vary depending on the ration or material to be mixed.

- Refer to tractor weight requirements for these recommendations and transporting safety precautions for additional tractor and towing requirements.

DRAWBAR ATTACHING SYSTEM

- Adjust tractor drawbar and/or the mixer clevis hitch so that the mixer is approximtely level. The top of the drawbar should be 8”-12” below the tractor PTO shaft. Adjust the drawbar horizontally so that the hitch pin hole is 14”-16” behind the tractor PTO and the drawbar is centered and locked into place.

- A hitch pin with a minumum of 1” diameter with a retainer pin is recommended for 6026 mixer. A 1-5/16” diameter hitch pin with a retainer pin is recommended for 6035, 6046, 6056, & 6070.

HYDRAULIC SYSTEM

- Dual hydraulic outlets are required for operating the door and either the slide tray or the powerchute. If your tractor has only a single set of ports, then the 3 bank or selector valve option should be ordered. On units with the power chute option, the chute hoses may be difficult to connect due to the chute weight on the lift cylinder. Lift weight off chute cylinder to connect hoses. Tractor hydraulic system requirements are 6 GPM @ 1500 PSI when a slide tray is used, 15 GPM @2000 PSI when a 3 or 4 auger power chute is used.

MIXER SETUP

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

POWER CHUTE ADJUSTMENT (OPTIONAL)

- To adjust the height of the power chute, change the length of the link chains on the sides of the chute. For best performance, the unloading height should be set at the lowest height possible. The discharge tip-off on the power chute should be adjusted for correct magnet and discharge angle. Remove or loosen the upper bolts, pivot the tip off to the desired angles and reinstall or retighten all bolts.

MIXER RUN-IN

- Check for proper assembly, adjustment, and lubrication. Check to see that there is adequate oil in the oil bath. If power chute is used, oil the roller chains. Check all bolt and set screws are tight.

- Be sure all shields are properly in place.

- Check for and remove any foreign objects in the mixer hopper and discharge opening.

- Check to see that drain plugs are installed and the door is closed.

- Be sure no one is inside the mixer.

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

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

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.

- The Turbo-Max Mixer 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 or to breakup hay.

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.

MIXER OPERATION

MATERIAL THAT CAN BE LOADED DIRECTLY INTO THE MIXER

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

- 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.

- **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 PREPERATION

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

HAY QUALITY

- **Always use cured dry hay.** Tough hay can cause wrapping, binding and damage to 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.

LOADING AND MIXING

- **Prior to loading, check mixer for foreign objects and be sure 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.

NOTE: DO NOT OVERLOAD MIXER! Overloading causes excessive horsepower requirements, increased strain on driveline and poor mixer performance.

MIXER OPERATION

FILL LEVEL

- Do not overload mixer! Overloading causes excessive horsepower requirements, increased strain on mixer driveline and poor mixer performance.
- The design of the Turbo-Max Mixer requires that there be adequate space to allow the feed to move in and around the reel chamber. If the reel is completely covered, it cannot efficiently mix the materials. The reel cross tubes should **always** be visible at the top of their rotation to allow this mixing space.

UNLOADING

- After the ration has been thoroughly mixed, open the mixer door to begin unloading. If the mixer is equipped with a power chute, the chute must be running before the mixer door can be opened. 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, optional door flow control plates are available to help prevent separation. To stop the flow of feed, close the door, (turn off the power chute) then shut off the mixer.

- The Turbo-Max Mixer can be equipped with either a power chute, or a slide tray to assist in the delivery of feed. The chute and tray heights are adjusted with hydraulic cylinders, but the chain stops provided on power chutes should be adjusted so that the chute clears all bunks, obstacles, etc.

INSPECTION AND ADJUSTMENTS

IMPORTANT! READ BEFORE OPERATING MIXER. IT IS THE RESPONSIBILITY OF THE OWNER TO MARE SURE THE MIXER IS SET UP PROPERLY. THE FOLLOWING RECOMMENDATIONS SHOULD BE HELPFUL

INSPECT AND ADJUST

- **Roller Chain Tighteners** so they apply sufficient spring tension to keep roller chains running smoothly (As a general rule the thickness of a nickel should fit between the spring coils). 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.

- **Reel Wipers** plastic strips which help material clean out of the reel hopper. If the strips become bent back, they can be unbolted and turned around or replaced to improve clean out.

- **Upper Auger Knives** can be turned over for use on a new cutting edge and should be periodically sharpened, or replaced if they are no longer sufficiently breaking up material.

- **Lower Auger Round Knives** can be rotated several times before sharpening or replacement is required.

- **Discharge Chute Augers** (optional) to keep from rubbing on the chute body: There are shims behind each chute auger bearing for alignment. Periodically check chute liners for wear, replace as necessary.

- **Trailer Hitch** for proper location, alignment and tightness of attaching bolts. If the upper clevis bar becomes excessively worn the hitch assembly should be unbolted and turned over so the unworn hitch bar is on top, or replace as necessary. Frequently check the clevis attaching bolts for tightness, and that the clevis is secure. Worn

INSPECTION AND ADJUSTMENTS

INSPECT AND ADJUST

or damaged bolts must be replaced.

- **Wheel Bolts** must be kept properly torqued. Damage to the rim may occur if wheel bolts are not checked frequently.
  8-bolt rim: 170 ft lbs-Grade 8 Lug
  10-bolt rim: 300 ft lbs-Grade 8 Lug

- **Rain can accumulate** in mixer if stored outside, always remove drain plugs on hopper ends to allow unit to drain completely and replace drain plugs before next use.

- **Freezing Weather** the PTO shield requires extra grease to prevent freezing. Snow can accumulate in mixer if stored outside, always remove drain plugs on hopper ends to allow unit to drain completely and check hopper for snow or ice buildup before operating unit. Thaw and remove any obstruction and replace drain plugs before

ELECTRONIC SCALES

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

- **Load Cells:** Should be kept clean, dry and lubricated to insure dependabiltiy.

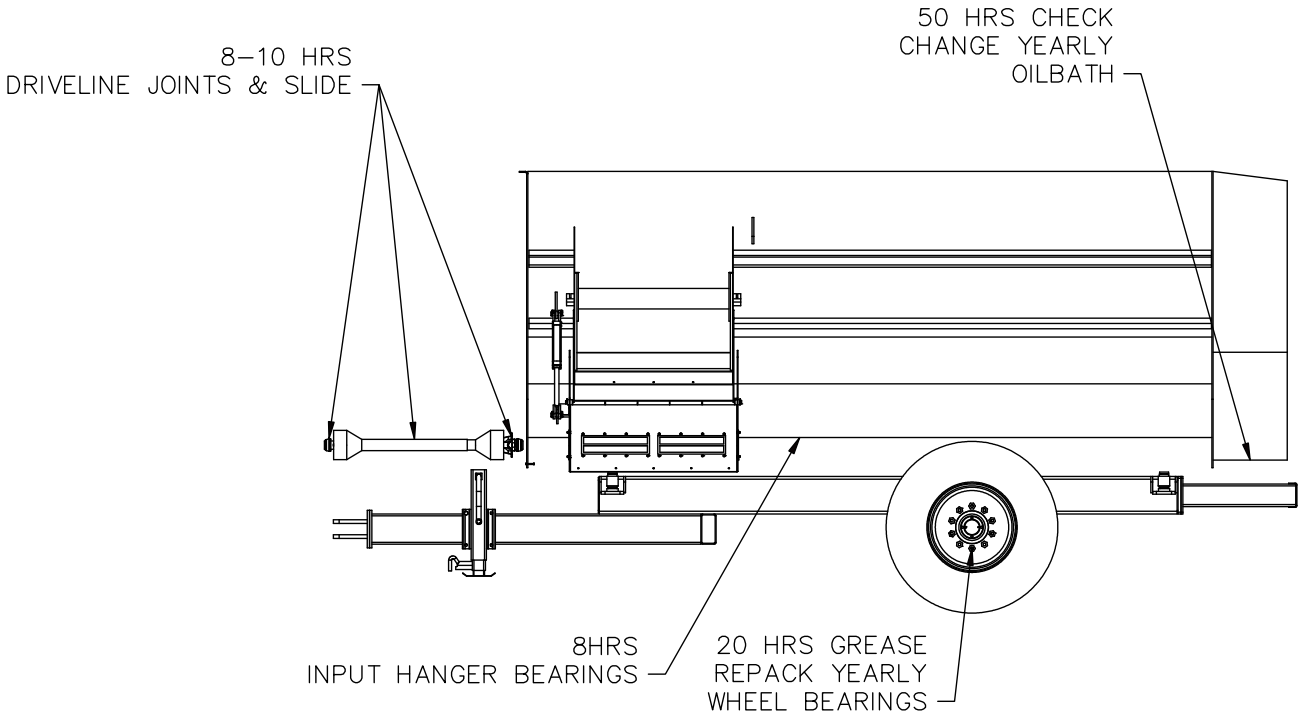
- **Normal Scale Activity:** Some warm up scale "drift" may occur after the scale is turned on but should zero balance within 10-15 minutes. Scale may zero shift over night due to temperature changes.

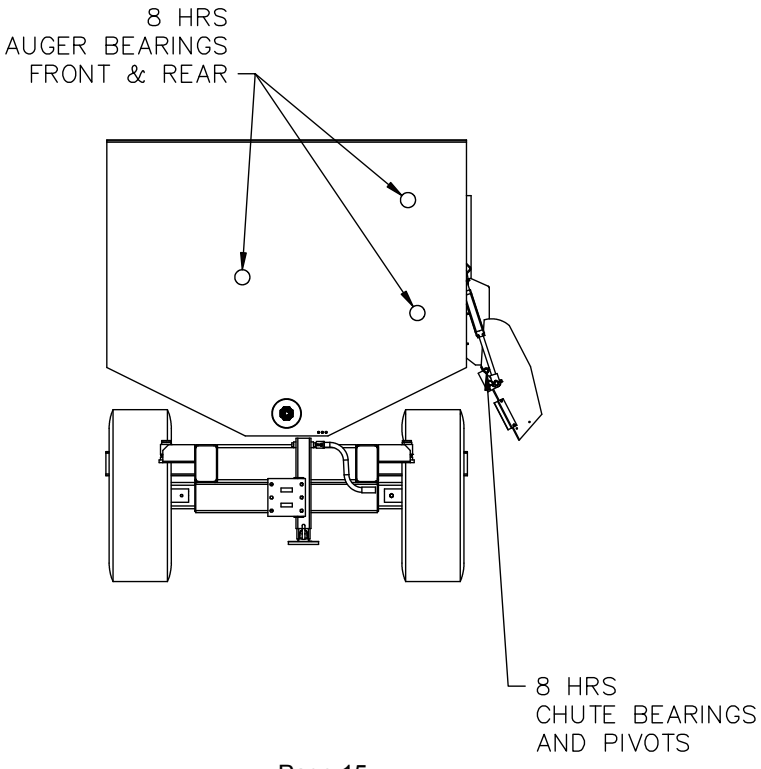
LUBRICATION

- **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.

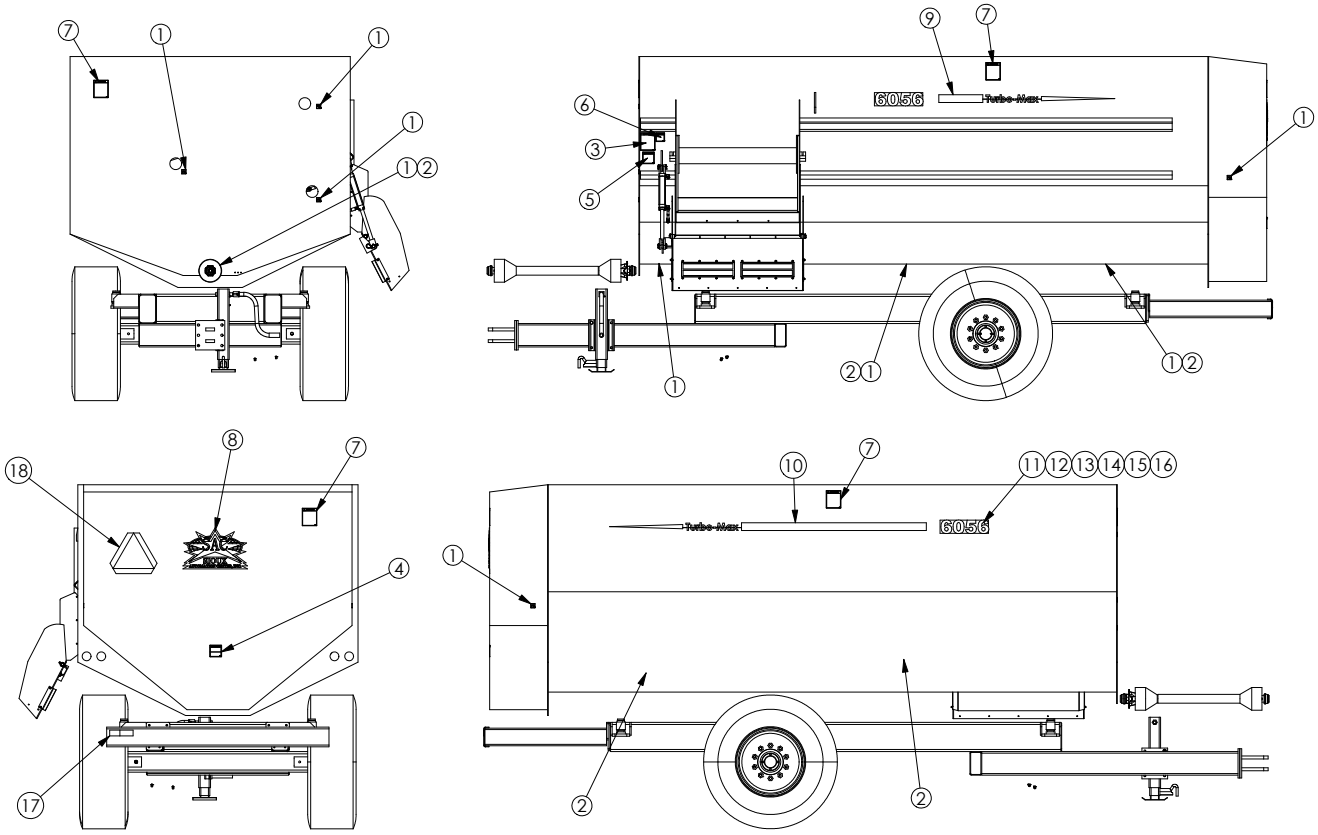
- **Oilbath Oil:** Use a good high quality universal oil. Use an oil that meets or exceeds hydraulic oil grade. Fill to the top lower oilbath roller chains. Change yearly or whenever contaminated.

- **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.



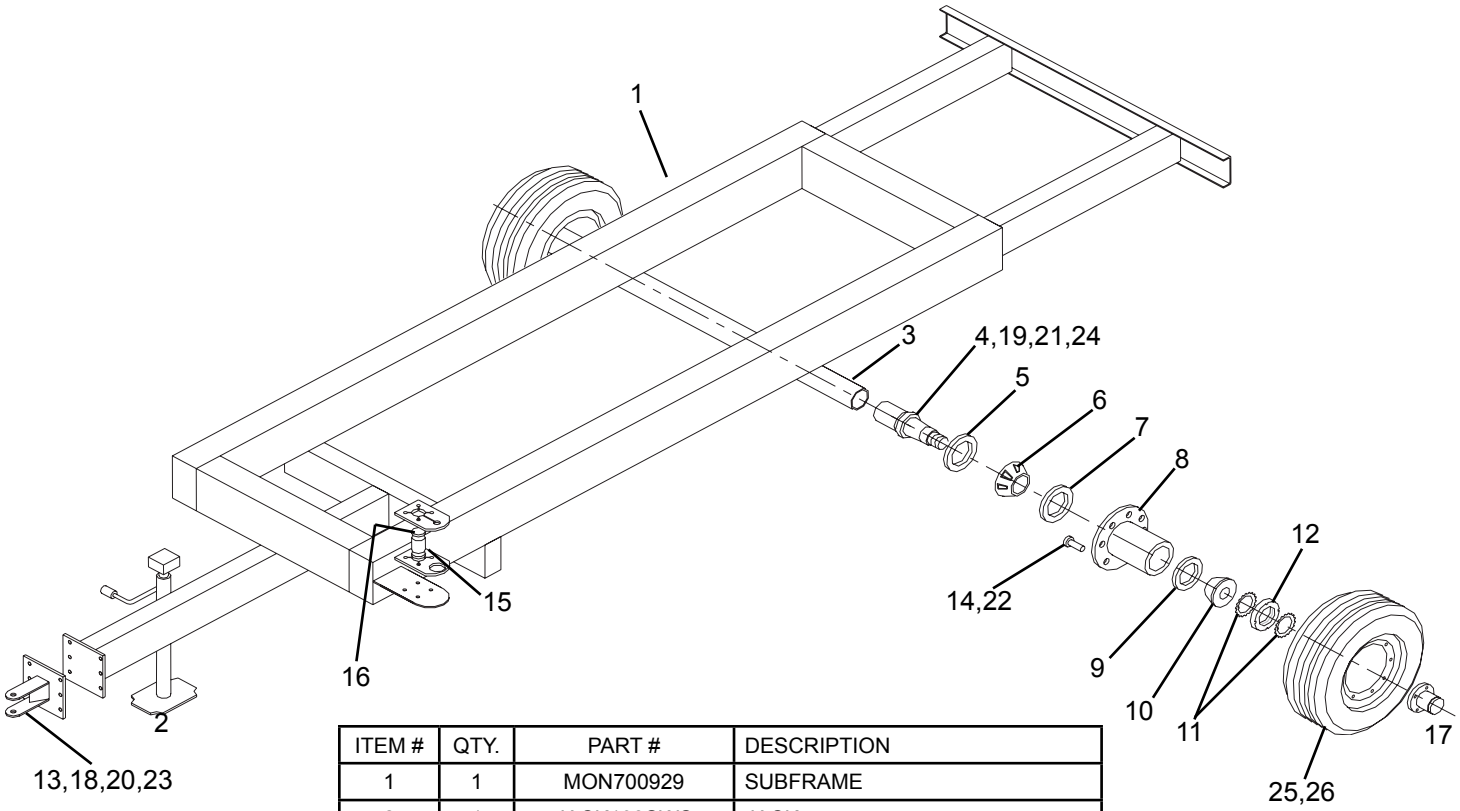


DECAL LOCATION



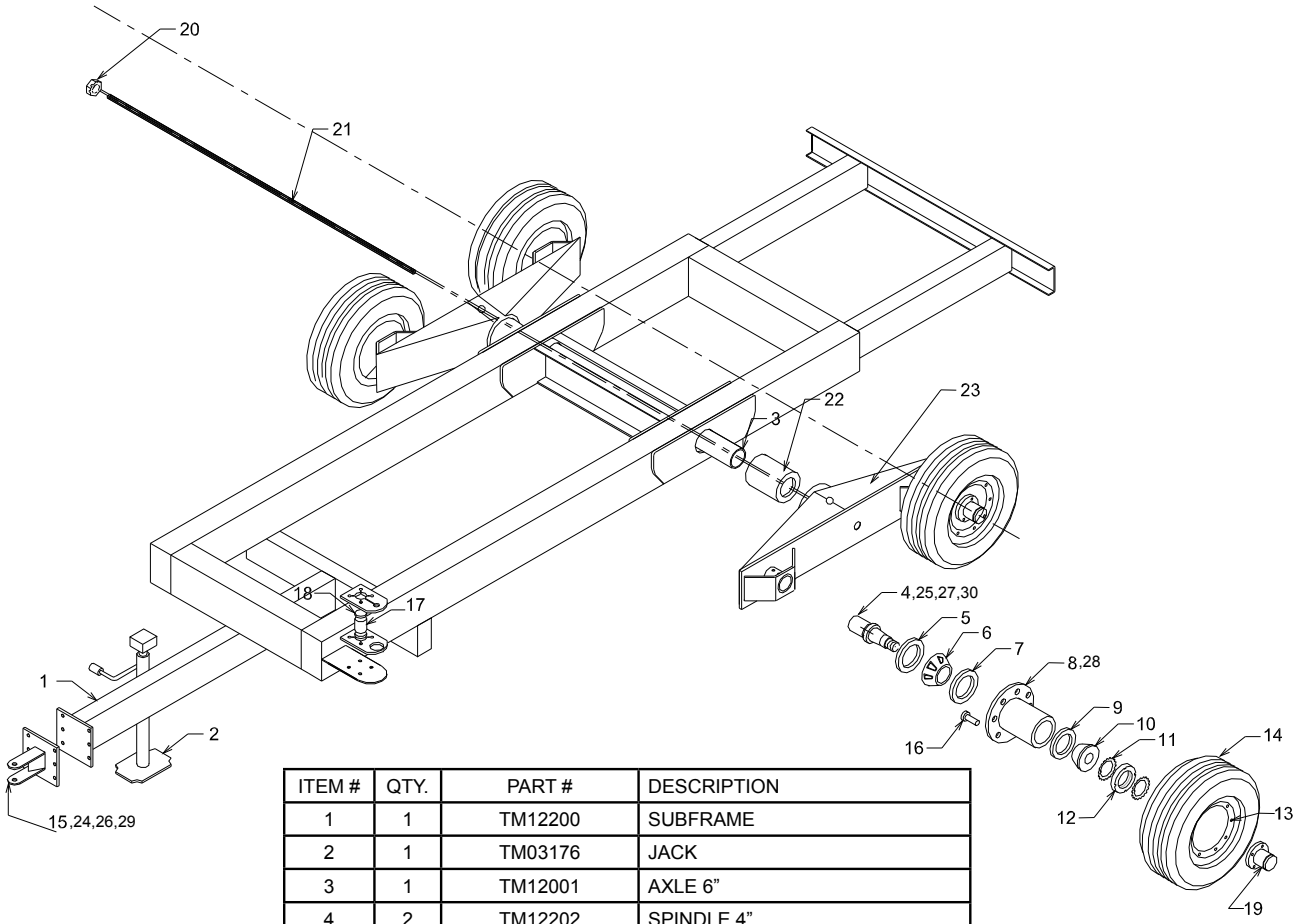
ITEM #	6026/QTY.	6035/QTY.	6046/QTY.	6056/QTY.	6070/QTY.	6090/QTY.	PART #	DESCRIPTION
1	6	9	9	9	9	9	DEC102	DECAL,GRS,GUN,PICTURE
2	1	5	5	5	5	5	DEC105	DECAL,DANGER,DRVLN,ROTATE
3	1	1	1	1	1	1	DEC106	DECAL,CAUTION,MAN,OWNER,5,6
4	1	1	1	1	1	1	DEC107	DECAL,WARNING,CHAIN,EXPOSED
5	1	1	1	1	1	1	DEC108	DECAL,WARNING,PART,MOVING,4,4
6	1	1	1	1	1	1	DEC109	DECAL,CAUTION,WLD,3,3
7	4	4	4	4	4	4	DEC111	DECAL,DANGER,AUGER,5,6
8	1	1	1	1	1	1	DEC154	DECAL,SAC,LOGO,NEW,20.5H,24W
9	1	1	1	1	1	1	DEC286	DECAL,TURBOMAX,2.63,60,LH
10	1	1	1	1	1	1	DEC287	DECAL,TURBOMAX,2.63,108,RH
11	2	0	0	0	0	0	DEC288	DECAL,TURBOMAX,6026,WHITE
12	0	2	0	0	0	0	DEC289	DECAL,TURBOMAX,6035,WHITE
13	0	0	2	0	0	0	DEC290	DECAL,TURBOMAX,6046,WHITE
14	0	0	0	2	0	0	DEC291	DECAL,TURBOMAX,6056,WHITE
15	0	0	0	0	2	0	DEC292	DECAL,TURBOMAX,6070,WHITE
16	0	0	0	0	0	2	DEC293	DECAL,TURBOMAX,6090,WHITE
17	72	72	72	72	72	72	DECREFLECTAPE	TAPE,RFLCTV,2",RED,WHT
18	1	1	1	1	1	1	DECSMV	DECAL,VEHICAL,SLOW,MOVE,VINYL

SUBFRAME ASSEMBLY SINGLE AXLE



ITEM #	QTY.	PART #	DESCRIPTION
1	1	MON700929	SUBFRAME
2	1	JACK198SWS	JACK
3	1	TM12002	AXLE 5”
4	2	MON300042	SPINDLE 5”
5	2	MON300041	SEAL (A-1205-K-1285)
6	2	MON300037	BEARING CONE (598)
7	2	MON300039	BEARING RACE (592)
8	2	MON300045	HUB 10 BOLT
9	2	MON300040	BEARING RACE (572)
10	2	MON300038	BEARING CONE (580)
11	4	MON300044	MACHINE WASHER (16GA)
12	2	MON300043	CASTLE NUT (KM-16)
13	1	MON300097	HITCH WELDMENT 1.5
14	20	MON300065	WHEEL STUD 3/4X2-7/8 NF
15	4	TM08007	DUMMY WEIGH BAR
16	8	SCA170030	PLASTIC WASHER
17	2	MON300046	DUST CAP
18	6	BLT58X212NC	5/8X2-1/2 BOLT
19	2	BLT34X612NC	3/4X6-1/2 BOLT
20	6	NUT58NC	5/8” NUT
21	2	NUT34NC	3/4” NUT
22	20	NUT34LUG	3/4” LUG NUT
23	6	WSH58LOCK	5/8” LOCK WASHER
24	2	WSH34LOCK	3/4” LOCK WASHER
25	2	RIM225X135X10HP	225X135 10 HOLE BUD RIM
26	2	TIR1800X225X1	18.00X22.5X1 TIRE

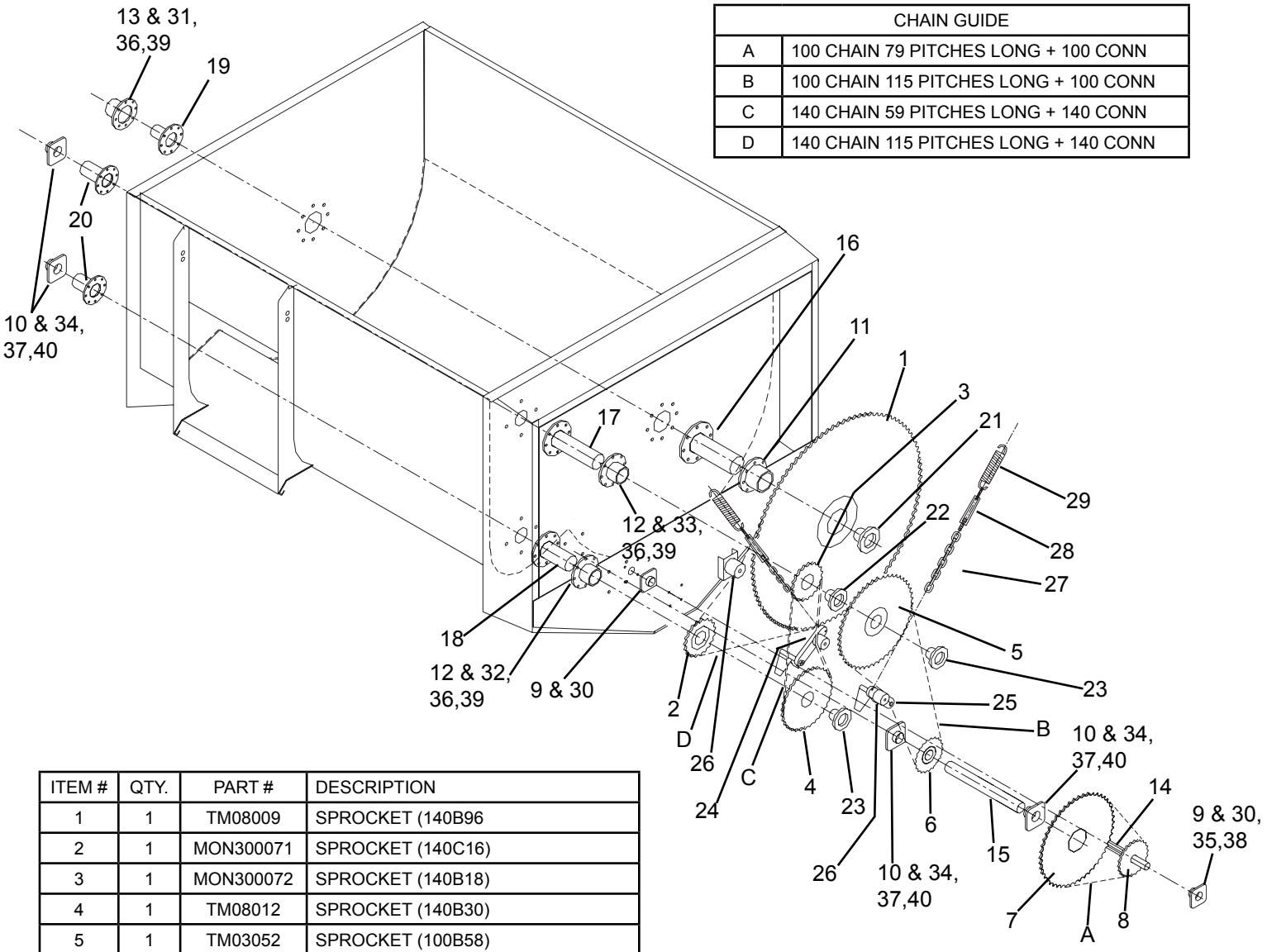
SUBFRAME ASSEMBLY TANDEM AXLE



ITEM #	QTY.	PART #	DESCRIPTION
1	1	TM12200	SUBFRAME
2	1	TM03176	JACK
3	1	TM12001	AXLE 6”
4	2	TM12202	SPINDLE 4”
5	2	SELNA370003A	SEAL (A-1205-K-1285)
6	2	MON300037	BEARING CONE (598)
7	2	MON300039	BEARING RACE (592)
8	2	MON300045	HUB 10 BOLT
9	2	MON300040	BEARING RACE (572)
10	2	MON300038	BEARING CONE (580)
11	4	MON300044	MACHINE WASHER (16GA)
12	2	MON300043	CASTLE NUT (KM-16)
13	4	RIM225X135X10HP	225X135 10 HOLE BUD RIM
14	4	TIR1800X225X1	18.00X22.5X1 TIRE
15	1	MON300097	HITCH WELDMENT
16	40	MON300065	WHEEL STUD 3/4X2-7/8 NF
17	4	TM08007	DUMMY WEIGH BAR
18	8	SCA170030	PLASTIC WASHER
19	2	MON300046	DUST CAP
20	2	TM15103	CASTLE NUT-1
21	1	TM12203	1” ROD
22	2	TM12204	PLASTIC TANDEM BEARING
23	2	TM12205	TANDEM,6070
24	6	BLT58X212NC	5/8X2-1/2 BOLT
25	4	BLT34X612NC	3/4X6-1/2 BOLT
26	6	NUT58NC	5/8” NUT
27	4	NUT34NC	3/4” NUT
28	40	NUT34LUG	3/4” LUG NUT
29	6	WSH58LOCK	5/8” LOCK WASHER
30	4	WSH34LOCK	3/4” LOCK WASHER

OILBATH ASSEMBLY

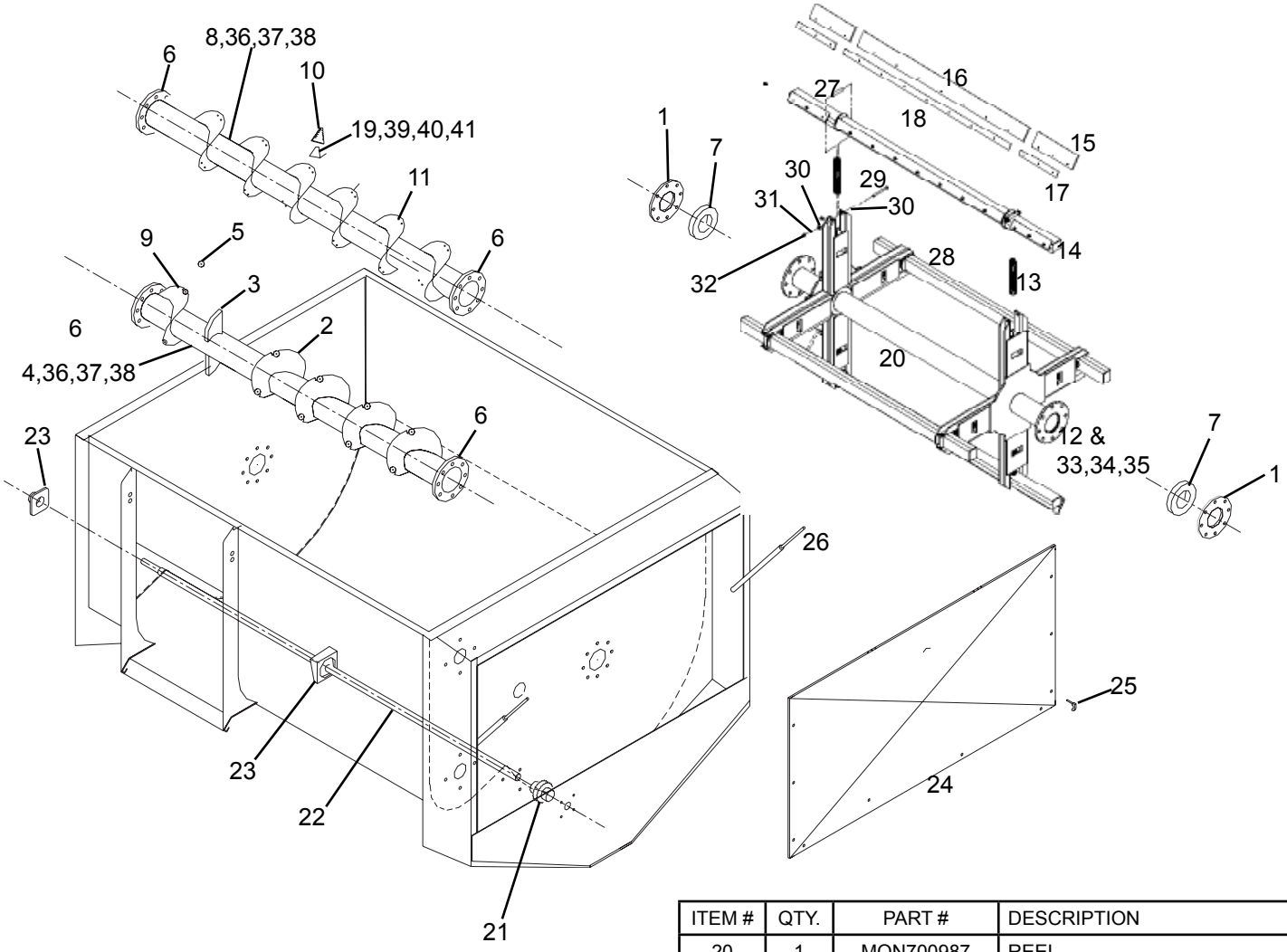
CHAIN GUIDE	
A	100 CHAIN 79 PITCHES LONG + 100 CONN
B	100 CHAIN 115 PITCHES LONG + 100 CONN
C	140 CHAIN 59 PITCHES LONG + 140 CONN
D	140 CHAIN 115 PITCHES LONG + 140 CONN



ITEM #	QTY.	PART #	DESCRIPTION
1	1	TM08009	SPROCKET (140B96
2	1	MON300071	SPROCKET (140C16)
3	1	MON300072	SPROCKET (140B18)
4	1	TM08012	SPROCKET (140B30)
5	1	TM03052	SPROCKET (100B58)
6	1	MON300073	SPROCKET (100B21)
7	1	TM08014	SPROCKET (100B58)
8	1	MON300049 MON300050	SPROCKET (100B22 - 540 RPM) SPROCKET (100B12 - 1000 RPM)
9	2	MON300009	BEARING
10	4	MON300001	BEARING
11	1	MON300051	PLASTIC BEARING (5”)
12	2	MON300047	BEARING
13	1	MON300014	PLASTIC BEARING (3.44”)
14	1	MON300052	DRIVE SHAFT
15	1	MON300053	JACKSHAFT
16	1	MON300054	REEL DRIVE SHAFT
17	1	MON300055	TOP AUGER DRIVE SHAFT
18	1	MON300056	BOTTOM AUGER DRIVE SHAFT
19	1	MON300015	REEL IDLER SHAFT
20	2	MON300057	AUGER IDLER SHAFT
21	1	MON300058	TAPER LOCK HUB (4Z2)
22	2	MON300059	TAPER LOCK HUB (Y1)
23	1	MON300048	TAPER LOCK HUB (Y2)

ITEM #	QTY.	PART #	DESCRIPTION
24	1	MON300027	CHAIN TIGHTNER TOP AUGER
25	1	MON300028	CHAIN TIGHTNER BOTTOM AUGER
26	4	MON300026	TIGHTNER BLOCK
27	2	TM03102	TIGHTNER CHAIN
28	2	TM03179	TURNBUCKLE TIGHTNER
29	2	MON300029	TIGHTNER SPRING
30	8	BLT12X3NC	1/2X3 BOLT W/LOCKWSH & NUT
31	8	BLT34X2NC	3/4X2 BOLT W/LOCKWSH & NUT
32	8	BLT34X212	3/4X2-1/2 BOLT W/LOCKWSH & NUT
33	8	BLT34X6NC	3/4X6 BOLT W/LOCKWSH & NUT
34	16	BLT58X2NC	5/8X2 BLOT W/ LOCKWSH & NUT
35	8	NUT12NC	1/2” NUT
36	16	NUT34NC	3/4” NUT
37	16	NUT58NC	5/8” NUT
38	8	WSH12LOCK	1/2” LOCK WASHER
39	16	WSH34LOCK	3/4” LOCK WASHER
40	16	WSH58LOCK	5/8” LOCK WAHSER

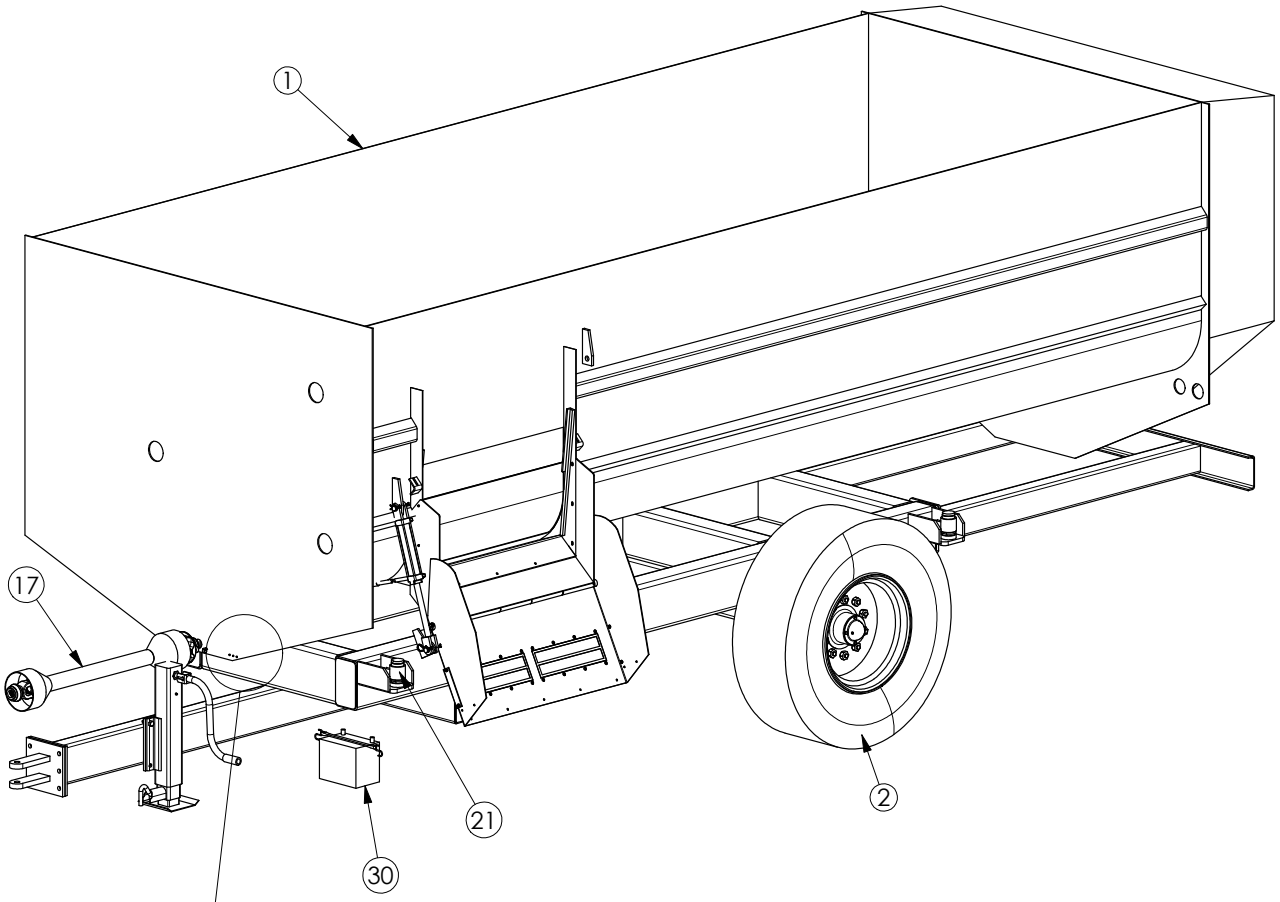
REEL & AUGER ASSEMBLY

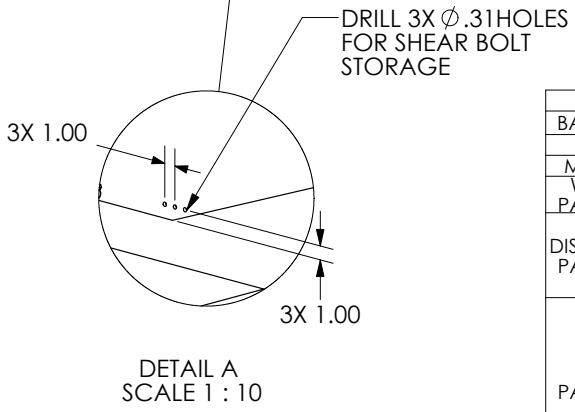


ITEM #	QTY.	PART #	DESCRIPTION
1	2	MON300060	REEL BACK PLATE
2	4	SAC14688	FLIGHTING BOTTOM AUGER (LH)
3	2	MON102205	DISCHARGE PADDLE BOTTOM AUGER
4	1	MON700977	BOTTOM AUGER
5	27	MON300018	KNIFE BOTTOM AUGER (ROUND)
6	4	MON102200	AUGER FLANGE
7	2	MON300061	POLY RING
8	1	MON700976	TOP AUGER
9	1	SAC14689	FLIGHTING BOTTOM AUGER (RH)
10	96	MON300012	KNIFE TOP AUGER (SICKLE SECTION)
11	6	SAC14687	FLIGHTING TOP AUGER (RH)
12	2	MON102216	REEL FLANGE
13	6	MON300011	REEL ARM TENSION SPRING
14	2	MON300111	REEL ARM
15	4	MON102237	RUBBER WIPER BLADE 30”
16	2	MON102259	RUBBER WIPER BLADE 155”
17	4	MON102240	WIPER SUPPORT BAR 30”
18	2	MON102262	WIPER SUPPORT BAR 155”
19	100	MON300013	KNIFE BACK PLATE

ITEM #	QTY.	PART #	DESCRIPTION
20	1	MON700987	REEL
21	1	MON300063	CHAIN COUPLER
22	1	MON300074	DRIVELINE SHAFT
23	4	MON300009	BEARING
24	1	TM08038	OILBATH DOOR
25	10	MON300064	OILBATH DOOR LATCH
26	2	MON300079	DOOR GAS SHOCK
27	8	MON102246	PIPE 1/2 X 4-1/4
28	2	MON700982	TUBE,CROSS,6070
29	8	BLT12X6NC	BOLT HEX 1/2” X 6” UNC
30	16	WSH12FLAT	FLAT WASHER
31	8	WSH12LOCK	LOCK WASHER
32	8	NUT12NC	NUT 1/2”
33	16	BLT1X3NC	1X3 BOLT
34	16	WSH1LOCK	LOCK WASHER
35	16	NUT1NC	1” NUT
36	32	BLT34X2NC	3/4X2 BOLT
37	32	WSH34LOCK	LOCK WASHER
38	32	NUT34NC	3/4 NUT
39	192	BLT516X114NC	5/16X1-1/4 BOLT
40	192	NUT516NC	5/16” NUT
41	192	WSH516LOCK	5/16” LOCK WASHER

FINAL ASSEMBLY





DETAIL A
SCALE 1 : 10

	ITEM #	QTY.	PART #	DESCRIPTION
BASE ASSY	1	1	MON900527	6070,TRLR,BASE,ASSY
TIRES	2	*	TA1800X225X10HP	TA,445,22.5,10H,LP,BUD
MANUAL	3	1	MON600167	MANUAL,TURBOMAX,6070,TRLR
WIRING PACKAGE	4	1	MON900597	KIT,TM,WIRE,6070
DISCHARGE PACKAGE	5	1	SAC75010	TRAY,SLIDE,44.75,.88PN,ASSY
	6	1	SAC75039	DIS,4AUGER,36,ASSY
	7	1	SAC75090	DIS,4AUGER,24,ASSY
	8	1	SAC75098	TRAY,SLIDE,44.75,EXTNSN,ASSY
HYD PACKAGE	9	1	MON900545	HYD,ASSY,REEL,SOLNID,SLIDE
	10	1	MON900546	HYD,ASSY,REEL,4HOSE,SLIDE
	11	1	MON900547	HYD,ASSY,REEL,3BANK
	12	1	MON900548	HYD,ASSY,REEL,SOLNID,SERIES
	13	1	MON900549	HYD,ASSY,REEL,4HOSE,SERIES
	14	1	MON900550	HYD,ASSY,REEL,6HOSE
	15	1	MON900644	HYD,ASSY,REEL,MANUAL,SLIDE
	16	1	MON900645	HYD,ASSY,REEL,MANUAL,SER
DRIVE PACKAGE	17	1	MON800395	PTO,35R,1000,1.38,SHEAR
	18	1	MON800396	PTO,35R,1000,1.75,SHEAR
	19	1	MON800426	PTO,35R,1000,1.38,CV
	20	1	MON800427	PTO,35R,1000,1.75,CV,SHEAR
SCALE PACKAGE	21	1	SAC75829	SCALE,KIT,DS,TM
	22	1	SAC75830	SCALE,KIT,DS,TM,REMOTE
	23	1	MON900621	SCALE,KIT,WT,TM
	24	1	MON900622	SCALE,KIT,WT,TM,REMOTE
HARDWARE PACKAGE	25	1	MON900589	KIT,HARDWARE,TM,NF,TRLR
OPTIONAL ITEMS				
LINER	27	1	MON900581	LN,TM,6035,REEL,END,SS
	28	1	MON900584	LN,TM,6070,REEL,AUG,SIDE,SS
BUNK GUARD	29	1	MON900600	GUARD,BUNK,TM,KIT
SCALE POWER	30	1	SAC75848	BATTERY POWER OPTION FOR SCALE
BOLT IN PANEL	31	1	MON900651	PNL,TM,6070,BOLTON,ASSY

ELECTRONIC SCALES

- Allows accurate ration weight while loading.
- Refer to the manufactures operator manual for your specific scale option operation and maintenance.

WHEELS AND TIRES

- Wheels and tires should be sized to support the gross weight of the loaded mixer.

1000 RPM INPUT

- Conversion kit for converting the standard 540 1-3/8” 6 spline wagon to 1000 RPM 1-3/8” 21 Spline or 1-3/4” 20 Spline. Contact Sioux Automation Center, Inc. for more information.

DISCHARGES PACKAGES (MON600154)	
PART #	DESCRIPTION
SAC75010*	SLIDE TRAY ASSEMBLY (21” LENGTH)
SAC75098	SLIDE TRAY ASSEMBLY WITH 8” EXTENSION
SAC75090	4 AUGER 24” LENGTH POWER DISCHARGE
SAC75039	4 AUGER 36” LENGTH POWER DISCHARGE

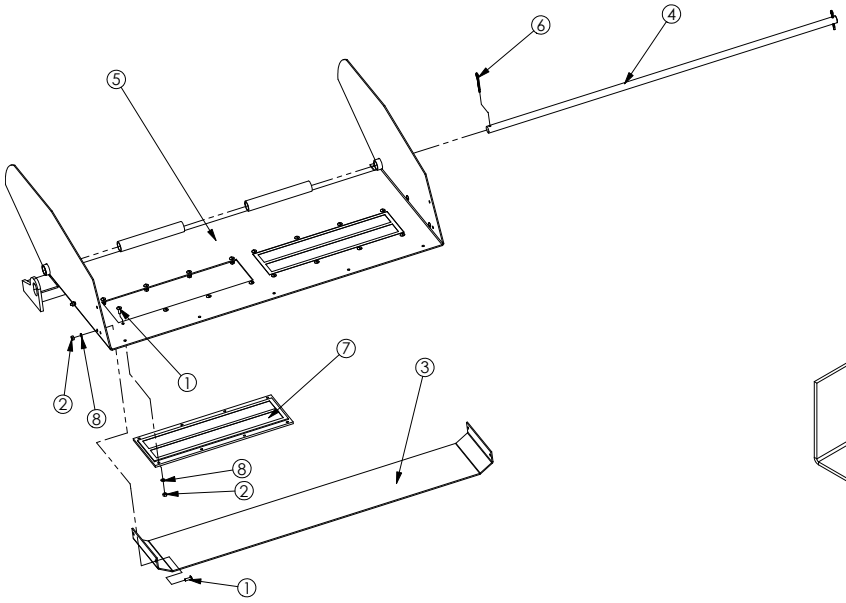
* DENOTES STANDARD SETUP

HYDRAULIC PACKAGES (DEPENDANT UPON DISCHARGE) (MON600152)	
PART #	DESCRIPTION
MON900545	ELECTRIC SELECTOR VALVE (SLIDE TRAY DISCHARGE)(2 HOSES TO TRACTOR) VALVE SWITCHES DOOR UP/DOWN OR DISCHARGE UP/DOWN
MON900546*	4 HOSE SETUP (SLIDE TRAY DISCHARGE)(4 HOSES TO TRACTOR) DOOR UP/DOWN & DISCHARGE UP/DOWN
MON900547	3 BANK VALVE (POWER DISCHARGE)(2 HOSES TO TRACTOR) DOOR UP/DOWN, DISCHARGE ON/OFF, & DISCHARGE UP/DOWN
MON900548	ELECTRIC SELECTOR VALVE SERIES PLUMBED (POWER DISCHARGE)(2 HOSES TO TRACTOR) VALVE SWITCHES DOOR UP/DOWN OR DISCHARGE ON/OFF WITH DISCHARGE UP/DOWN
MON900549	4 HOSE SETUP (POWER DISCHARGE)(4 HOSES TO TRACTOR) DOOR UP/DOWN & DISCHARGE ON/OFF WITH DISCHARGE UP/DOWN
MON900550	6 HOSE SETUP (POWER DISCHARGE)(6 HOSES TO TRACTOR) DOOR UP/DOWN, DISCHARGE ON/OFF, & DISCHARGE UP/DOWN

* DENOTES STANDARD SETUP

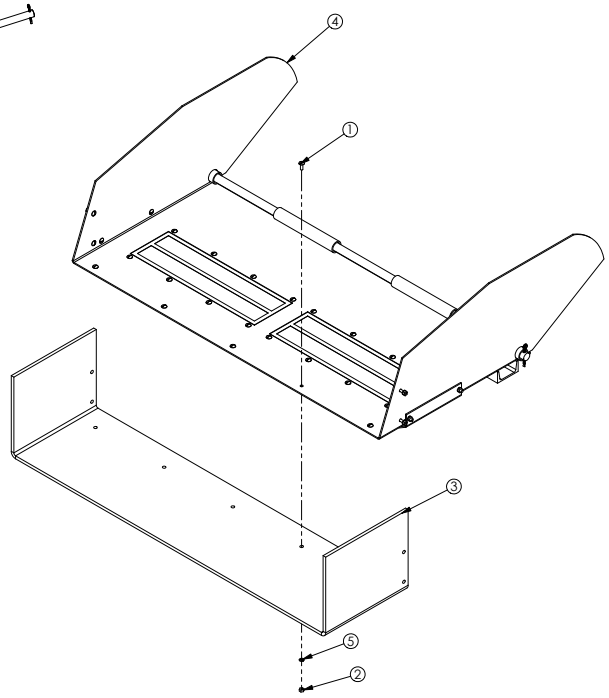
DISCHARGE BREAKDOWN

21” SLIDE TRAY (SAC75010)



ITEM #	QTY	PART #	DESCRIPTION
1	20	BLT14X34ONC	BLT,TRUSS,SLOT,1/4,3/4,NC,G2
2	20	NUT14NC	NUT,HEX,1/4,NC,G5
3	1	SAC73100	GUARD,MAGNET,DIS,TRAY,SLIDE
4	1	SAC73101	ROD,HINGE,.88,46.75
5	1	SAC74026	TRAY,SLIDE,44.75,.88PN,WLD
6	2	SPCP316X2	PIN,COTTER,3/16,2
7	2	SPMAGNET1850	MAGNET,7.25,18.5,PLATE
8	20	WSH14LOCK	WSH,LOCK,1/4

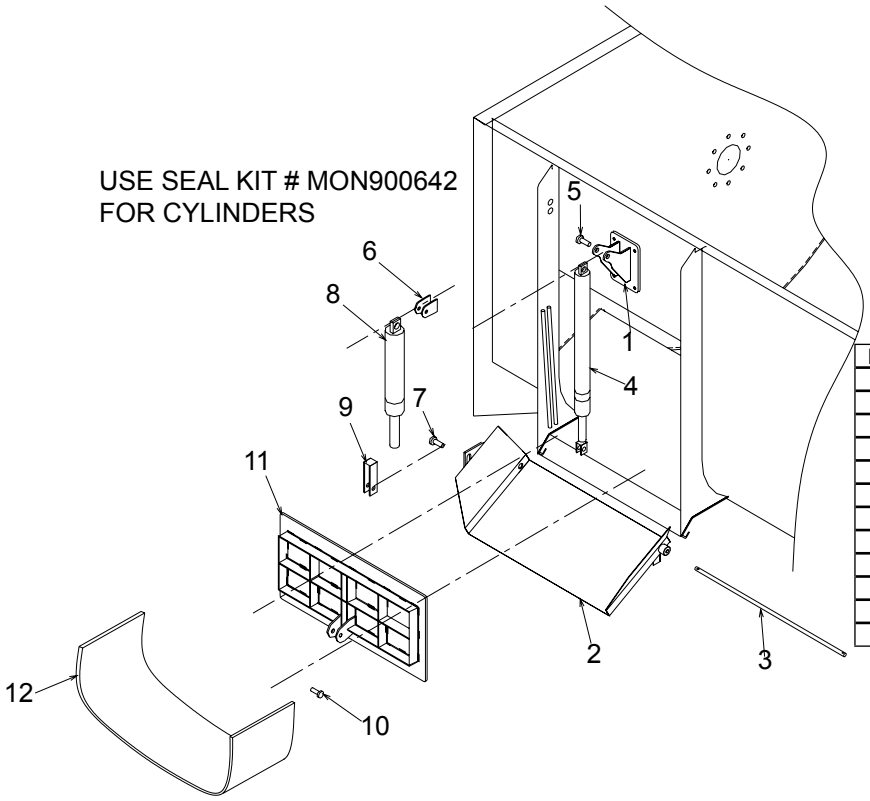
21” SLIDE TRAY W/8” EXTENSION (SAC75098)



ITEM #	QTY.	PART #	DESCRIPTION
1	9	BLT14X34ONC	BLT,TRUSS,SLOT,1/4,3/4,NC,G2
2	9	NUT14NC	NUT,HEX,1/4,NC,G5
3	1	SAC73122	BELT,EXTNSN,.25,12,64.75
4	1	SAC75010	TRAY,SLIDE,44.75,.88PN,ASSY
5	9	WSH14LOCK	WSH,LOCK,1/4

SLIDE TRAY & HYDRAULIC ASSEMBLY (SERIAL #----)

USE SEAL KIT # MON900642
FOR CYLINDERS

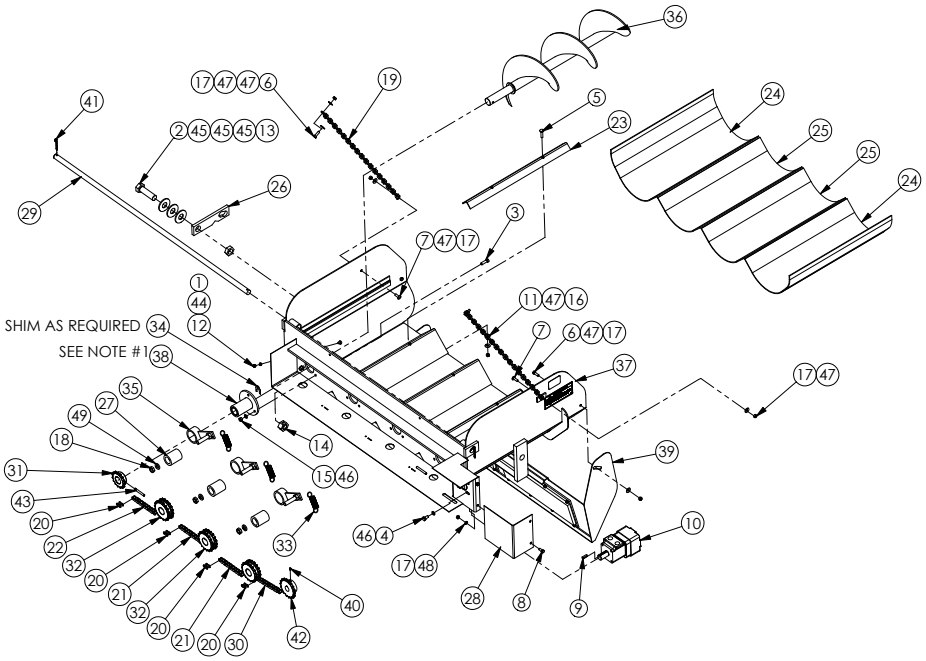


ITEM #	QTY.	PART #	DESCRIPTION
1	1	05048	DOOR CYLINDER MOUNT
2	1	08040	DISCHARGE SLIDE TRAY
3	1	08041	PIVOT ROD
4	1	03041	DOOR CYLINDER
5	2	05051	CYLINDER PIN
6	2	05049	DISCHARGE CYLINDER MOUNT
7	1	05053	DISCHARGE CYLINDER PIN
8	1	03040	DISCHARGE CYLINDER
9	1	05045	DISCHARGE TRAY LINKAGE
10	1	05051	DOOR CYLINDER PIN
11	1	08044	DISCHARGE DOOR
12	1	10019	SLIDE TRAY EXTENSION

DISCHARGE BREAKDOWN

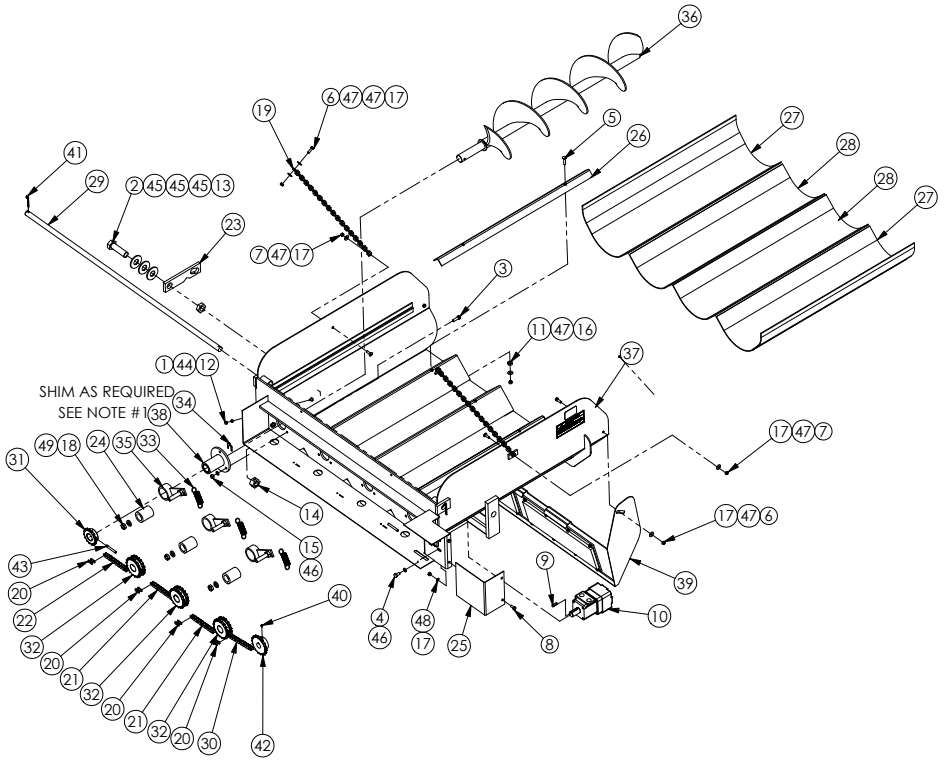
24” 4 AUGER DISCHARGE ASSEMBLY (SAC75090)

ITEM #	QTY	PART #	DESCRIPTION
1	8	BLT14X34ONC	BLT,TRUSS,SLOT,1/4,3/4,NC,G2
2	1	BLT1X312NC	BLT,HEX,1,3-1/2,NC,G5
3	12	BLT38X114NC	BLT,HEX,3/8,1-1/4,NC,G5
4	4	BLT38X34NC	BLT,HEX,3/8,3/4,NC,G5
5	6	BLT516X112CNC	BLT,CARR,5/16,1-1/2,NC,G2
6	4	BLT516X1NC	BLT,HEX,5/16,1,NC,G5
7	2	BLT516X1ONC	BLT,TRUSS,SLOT,5/16,1,NC,G2
8	2	BLT516X34NC	BLT,HEX,5/16,3/4,NC,G5
9	*	KEY14X14	KEY,STOCK,.25,.25
10	1	KN171666	MOTOR,ORBIT,DIS,12CUIN
11	6	NUT12JAMNC	NUT,HEX,JAM,1/2,NC,G5
12	8	NUT14NC	NUT,HEX,1/4,NC,G5
13	1	NUT1JAMNC	NUT,LOCK,JAM,1,NC,G5
14	1	NUT1LOCKNC	NUT,LOCK,PUNCH,1,NC,G5
15	12	NUT38NC	NUT,HEX,3/8,NC,G5
16	6	NUT516LOCKNC	NUT,LOCK,5/16,NC,G5
17	8	NUT516NC	NUT,HEX,5/16,NC,G5
18	3	NUT58JAMNC	NUT,HEX,5/8,JAM,NC,G5
19	2	PAC111769	CHA316PC,34.06
20	4	RC50CON	LINK,CONN,50
21	2	SAC73137	CHAIN,ROLLER,50,55P,34.38
22	1	SAC73138	CHAIN,ROLLER,50,53P,33.13
23	3	SAC73139	HLDDWN,LN,CHUTE,24
24	2	SAC73140	LN,DIS,CHUTE,SIDE,17.25,24
25	2	SAC73141	LN,DIS,CHUTE,CENTER,13.6,24
26	1	SAC73142	LINKAGE,CYL,DIS,CHUTE
27	3	SAC73167	TIGHTNR,BLOCK,2,2.5
28	1	SAC73170	SHIELD,MOTOR,CHAIN,DRIVE
29	1	SAC73242	ROD,HINGE,.88,51
30	1	SAC73260	CHAIN,ROLLER,50,47P,29.38
31	1	SAC73403	SPK,50,B,15,1.38
32	3	SAC73600	SPK,50,DBL,18,1.38
33	3	SAC73601	SPRING,EXPNSN,.095,.94,3.75
34	1	SAC73604	SHIM,SLOTTED,.38,.016
35	3	SAC74056	TIGHTNR,CHAIN,DIS,101231,WLD
36	4	SAC74063	AUG,KN,DIS,REEL,24,ASSY
37	1	SAC74182	SHELL,DIS,4AUGER,24,WLD
38	4	SAC75034	BRG,AUGER,CHUTE,ASSY
39	1	SAC75037	TRAY,SLIDE,N/S,4AUG,ASSY
40	*	SPASNC14X516	SCREW,ALLEN,1/4,5/16,NC
41	2	SPCP316X2	PIN,COTTER,3/16,2
42	1	SPK50B18X1	SPK,50,B,18,1
43	4	SPRP516X212	PIN,ROLL,5/16,2-1/2
44	8	WSH14LOCK	WSH,LOCK,1/4
45	3	WSH1FLAT	WSH,FLAT,1
46	16	WSH38LOCK	WSH,LOCK,3/8
47	14	WSH516FLAT	WSH,FLAT,5/16
48	2	WSH516LOCK	WSH,LOCK,5/16
49	3	WSH58LOCK	WSH,LOCK,5/8



36” 4 AUGER DISCHARGE (SAC75039)

ITEM #	QTY	PART #	DESCRIPTION
1	8	BLT14X34ONC	BLT,TRUSS,SLOT,1/4,3/4,NC,G2
2	1	BLT1X312NC	BLT,HEX,1,3-1/2,NC,G5
3	12	BLT38X114NC	BLT,HEX,3/8,1-1/4,NC,G5
4	4	BLT38X34NC	BLT,HEX,3/8,3/4,NC,G5
5	6	BLT516X112CNC	BLT,CARR,5/16,1-1/2,NC,G2
6	4	BLT516X1NC	BLT,HEX,5/16,1,NC,G5
7	2	BLT516X1ONC	BLT,TRUSS,SLOT,5/16,1,NC,G2
8	2	BLT516X34NC	BLT,HEX,5/16,3/4,NC,G5
9	*	KEY14X14	KEY,STOCK,.25,.25
10	1	KN171666	MOTOR,ORBIT,DIS,12CUIN
11	6	NUT12JAMNC	NUT,HEX,JAM,1/2,NC,G5
12	8	NUT14NC	NUT,HEX,1/4,NC,G5
13	1	NUT1JAMNC	NUT,LOCK,JAM,1,NC,G5
14	1	NUT1LOCKNC	NUT,LOCK,PUNCH,1,NC,G5
15	12	NUT38NC	NUT,HEX,3/8,NC,G5
16	6	NUT516LOCKNC	NUT,LOCK,5/16,NC,G5
17	8	NUT516NC	NUT,HEX,5/16,NC,G5
18	3	NUT58JAMNC	NUT,HEX,5/8,JAM,NC,G5
19	2	PAC111769	CHA316PC,34.06
20	4	RC50CON	LINK,CONN,50
21	2	SAC73137	CHAIN,ROLLER,50,55P,34.38
22	1	SAC73138	CHAIN,ROLLER,50,53P,33.13
23	1	SAC73142	LINKAGE,CYL,DIS,CHUTE
24	3	SAC73167	TIGHTNR,BLOCK,2,2.5
25	1	SAC73170	SHIELD,MOTOR,CHAIN,DRIVE
26	3	SAC73230	HLDDWN,LN,CHUTE,36
27	2	SAC73231	LN,DIS,CHUTE,SIDE,17.25,36
28	2	SAC73232	LN,DIS,CHUTE,CENTER,13.6,36
29	1	SAC73242	ROD,HINGE,.88,51
30	1	SAC73260	CHAIN,ROLLER,50,47P,29.38
31	1	SAC73403	SPK,50,B,15,1.38
32	3	SAC73600	SPK,50,DBL,18,1.38
33	3	SAC73601	SPRING,EXPNSN,.095,.94,3.75
34	1	SAC73604	SHIM,SLOTTED,.38,.016
35	3	SAC74056	TIGHTNR,CHAIN,DIS,101231,WLD
36	4	SAC74064	AUG,KN,DIS,REEL,36,ASSY
37	1	SAC74068	SHELL,DIS,4AUGER,36,WLD
38	4	SAC75034	BRG,AUGER,CHUTE,ASSY
39	1	SAC75037	TRAY,SLIDE,N/S,4AUG,ASSY
40	*	SPASNC14X516	SCREW,ALLEN,1/4,5/16,NC
41	2	SPCP316X2	PIN,COTTER,3/16,2
42	1	SPK50B18X1	SPK,50,B,18,1
43	4	SPRP516X212	PIN,ROLL,5/16,2-1/2
44	8	WSH14LOCK	WSH,LOCK,1/4
45	3	WSH1FLAT	WSH,FLAT,1
46	16	WSH38LOCK	WSH,LOCK,3/8
47	14	WSH516FLAT	WSH,FLAT,5/16
48	2	WSH516LOCK	WSH,LOCK,5/16
49	3	WSH58LOCK	WSH,LOCK,5/8



HYDRAULIC BREAKDOWN

ELECTRIC SELECTOR ASSEMBLY FOR SLIDE TRAY (MON900545)

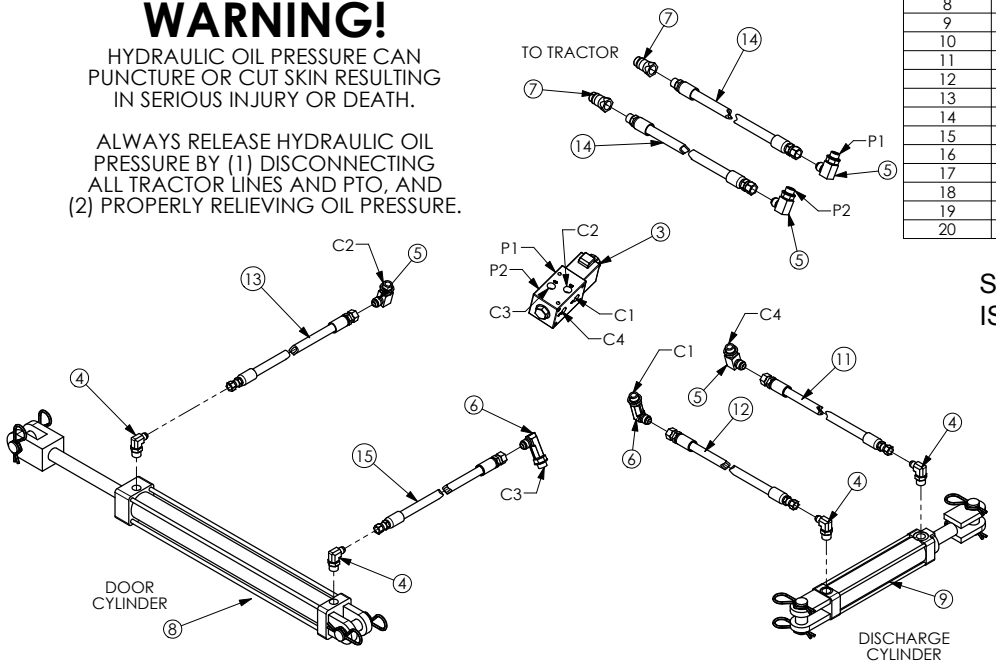
ITEM #	QTY	PART #	DESCRIPTION
1	2	BLT14X3NC	BLT,HEX,1/4,3,NC,G5
2	4	BLT516X34NC	BLT,HEX,5/16,3/4,NC,G5
3	1	HYD14DS61T8F1	VALVE,SELCTR.CIRCUIT,WATERMAN
4	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
5	4	HYD6801-8-8	ADPT,ELBOW,08,MJIC,08,MORG,90D
6	2	HYD6801LL-8-8	ADPT,ELBOW,LL,08,MJIC,08,MORG,90D
7	2	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
8	1	LM310284	CYL,HYD,2,20,TIEROD,2500PSI,PNT
9	1	MON102078	CYL,HYD,2,8,TIEROD,ORING
10	1	MON700368	COVER,VALVE,4BANK,2315
11	1	MON700809	HOSE,HYD,3/8,98,06FJ,08FJ
12	1	MON700810	HOSE,HYD,3/8,XX,06FJ,08FJ
13	1	MON701032	HOSE,HYD,3/8,XX,06FJ,08FJ
14	2	MON701034	HOSE,HYD,1/2,XX,08FJ,08RA
15	1	MON701035	HOSE,HYD,3/8,XX,06FJ,08FJ
16	1	SAC26032	SWTCHBX,SOLND,CNTRL,ASSY,BOTEC
17	1	SCA170008	CABLE,POWER,2WIRE,10',DS
18	1	SCA170009	CABLE,POWER,EXTNSN,FUSED
19	2	WSH14LOCK	WSH,LOCK,1/4
20	4	WSH516LOCK	WSH,LOCK,5/16

WARNING!

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

SEAL KIT FOR CYLINDERS IS HYDPMCK9000



4 HOSE ASSEMBLY FOR SLIDE TRAY (MON900546)

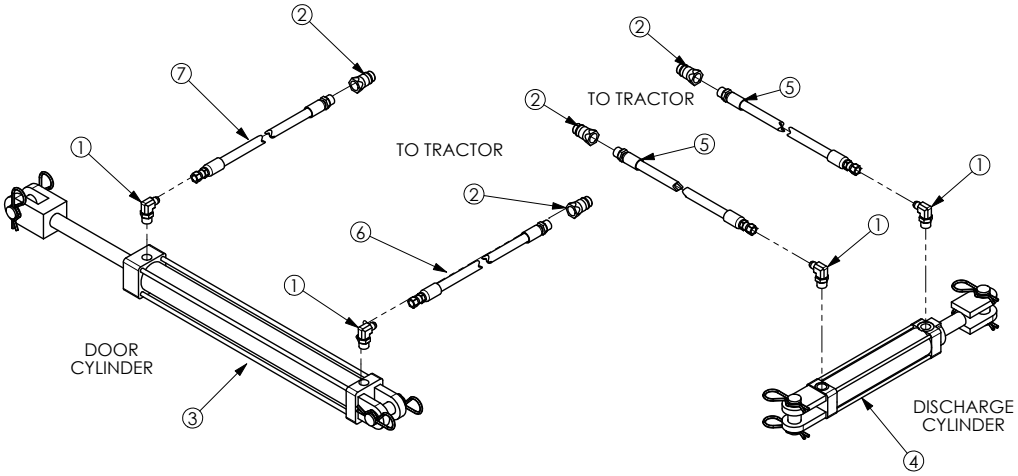
ITEM	QTY	PART #	DESCRIPTION
1	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
2	4	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
3	1	LM310284	CYL,HYD,2,20,TIEROD,2500PSI,PNT
4	1	MON102078	CYL,HYD,2,8,TIEROD,ORING
5	2	SAC74192	HOSE,HYD,3/8,160,06FJ,08RA
6	1	SAC74193	HOSE,HYD,3/8,222,06FJ,08RA
7	1	SAC74194	HOSE,HYD,3/8,240,06FJ,08RA

WARNING!

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

SEAL KIT FOR CYLINDERS IS HYDPMCK9000



HYDRAULIC BREAKDOWN

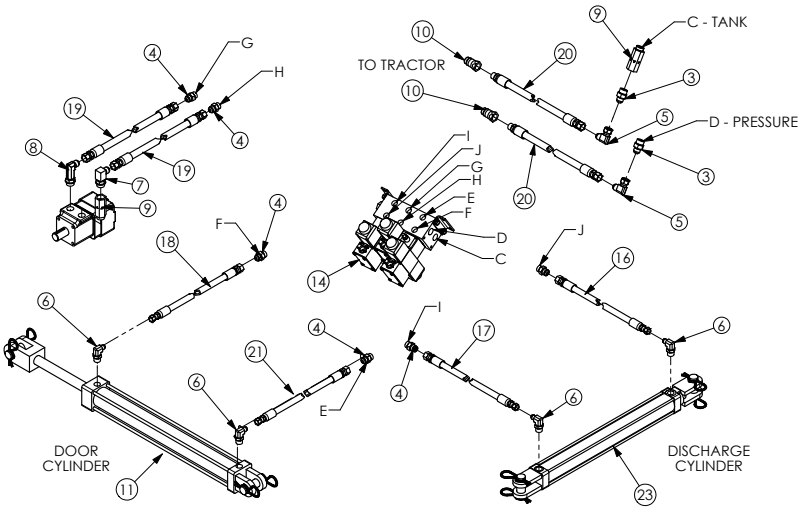
3 BANK VALVE ASSEMBLY FOR POWER DISCHARGE (MON900547)

WARNING!

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

SEAL KIT FOR CYLINDERS IS HYDPMCK9000

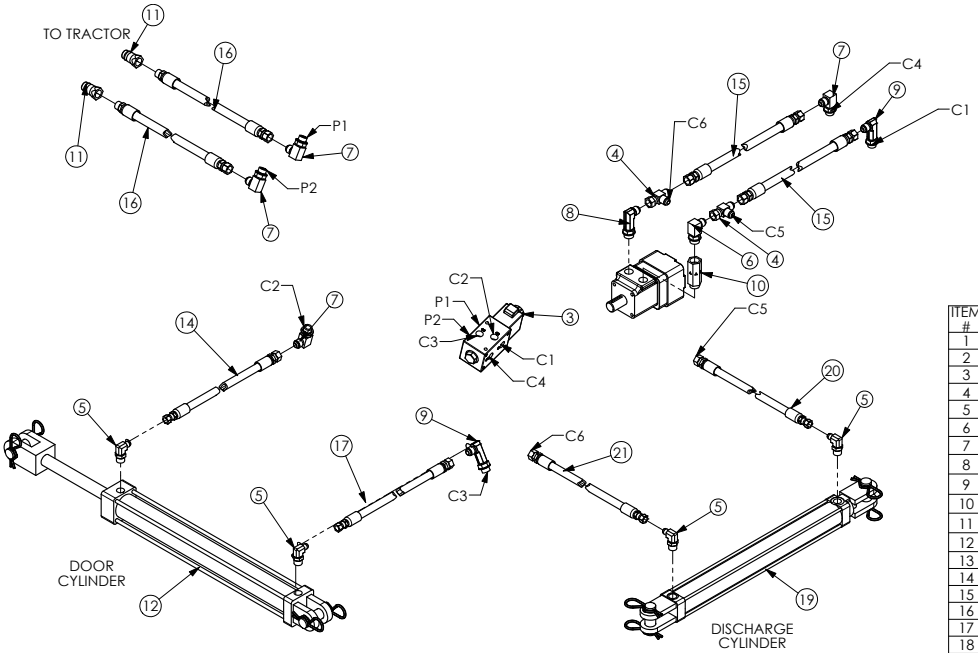


ITEM #	QTY	PART #	DESCRIPTION
1	4	BLT516X1NC	BLT,HEX,5/16,1,NC,G5
2	4	BLT516X34NC	BLT,HEX,5/16,3/4,NC,G5
3	2	HYD6400-8-10	ADPT,CONN,08,MJIC,10,MORG
4	6	HYD6400-8-8	ADPT,CONN,08,MJIC,08,MORG
5	2	HYD6500-8-8	ADPT,ELBOW,08,MJIC,08,FJIC,90D
6	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
7	1	HYD6801-8-10	ADPT,ELBOW,08,MJIC,10,MORG,90D
8	1	HYD6801LL-8-10	ADPT,ELBOW,LL,08,MJIC,10,MORG,90D
9	2	HYDFC10	VALVE,CHECK,10,MORG,10,FORG
10	2	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
11	1	LM310284	CYL,HYD,2.20,TIEROD,2500PSI,PNT
12	1	MON102020	BRKT,COVER,VALVE,4AUG
13	1	MON700368	COVER,VALVE,4BANK,2315
14	1	MON700563	VALVE,3BANK,PRIORTY,CHECK,ASSY
15	1	MON700564	SWTCHBX,VALVE,3BANK,SAC,ASSY
16	1	MON700809	HOSE,HYD,3/8,98,06FJ,08FJ
17	1	MON700810	HOSE,HYD,3/8,XX,06FJ,08FJ
18	1	MON701032	HOSE,HYD,3/8,XX,06FJ,08FJ
19	2	MON701033	HOSE,HYD,1/2,XX,08FJ,08FJ
20	2	MON701034	HOSE,HYD,1/2,XX,08FJ,08RA
21	1	MON701035	HOSE,HYD,3/8,XX,06FJ,08FJ
22	8	NUT516NC	NUT,HEX,5/16,NC,G5
23	1	SAC73594	CYL,HYD,2.18,TIEROD,ORING
24	1	SCA170009	CABLE,POWER,EXTNSN,FUSED
25	1	SCA170071	CABLE,POWER,2WIRE,20',DS
26	8	WSH516FLAT	WSH,FLAT,5/16
27	8	WSH516LOCK	WSH,LOCK,5/16

NOTES:
1. CONNECT CORRESPONDING LETTER TO PORTS.
2. MOUNT DISCHARGE LIFT CYLINDERS WITH PORTS TOWARD WAGON SIDE.

ELECTRIC SELECTOR VALVE WITH SERIES PLUMBED

SEAL KIT FOR CYLINDERS IS HYDPMCK9000



ITEM #	QTY	PART #	DESCRIPTION
1	2	BLT14X3NC	BLT,HEX,1/4,3,NC,G5
2	4	BLT516X34NC	BLT,HEX,5/16,3/4,NC,G5
3	1	HYD14DS61T8F1	VALVE,SELCTR.CIRCUIT,WATERMAN
4	2	HYD6602-8-8-8	ADPT,TEE,08,MJIC,08,FJIC,08,MJ
5	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
6	1	HYD6801-8-10	ADPT,ELBOW,08,MJIC,10,MORG,90D
7	4	HYD6801-8-8	ADPT,ELBOW,08,MJIC,08,MORG,90D
8	1	HYD6801LL-8-10	ADPT,ELBOW,LL,08,MJIC,10,MORG,90D
9	2	HYD6801LL-8-8	ADPT,ELBOW,LL,08,MJIC,08,MORG,90D
10	1	HYDFC10	VALVE,CHECK,10,MORG,10,FORG
11	2	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
12	1	LM310284	CYL,HYD,2.20,TIEROD,2500PSI,PNT
13	1	MON700368	COVER,VALVE,4BANK,2315
14	1	MON701032	HOSE,HYD,3/8,XX,06FJ,08FJ
15	2	MON701033	HOSE,HYD,1/2,XX,08FJ,08FJ
16	2	MON701034	HOSE,HYD,1/2,XX,08FJ,08RA
17	1	MON701035	HOSE,HYD,3/8,XX,06FJ,08FJ
18	1	SAC26032	SWTCHBX,SOLND,CNTRL,ASSY,BOTEC
19	1	SAC73594	CYL,HYD,2.18,TIEROD,ORING
20	1	SAC74195	HOSE,HYD,3/8,80,06FJ,08FJ
21	1	SAC74197	HOSE,HYD,3/8,100,06FJ,08FJ
22	1	SCA170008	CABLE,POWER,2WIRE,10',DS
23	1	SCA170009	CABLE,POWER,EXTNSN,FUSED
24	2	WSH14LOCK	WSH,LOCK,1/4
25	4	WSH516LOCK	WSH,LOCK,5/16

NOTES:
1. CONNECT CORRESPONDING LETTER TO PORTS.
2. MOUNT DISCHARGE LIFT CYLINDERS WITH PORTS TOWARD WAGON SIDE.

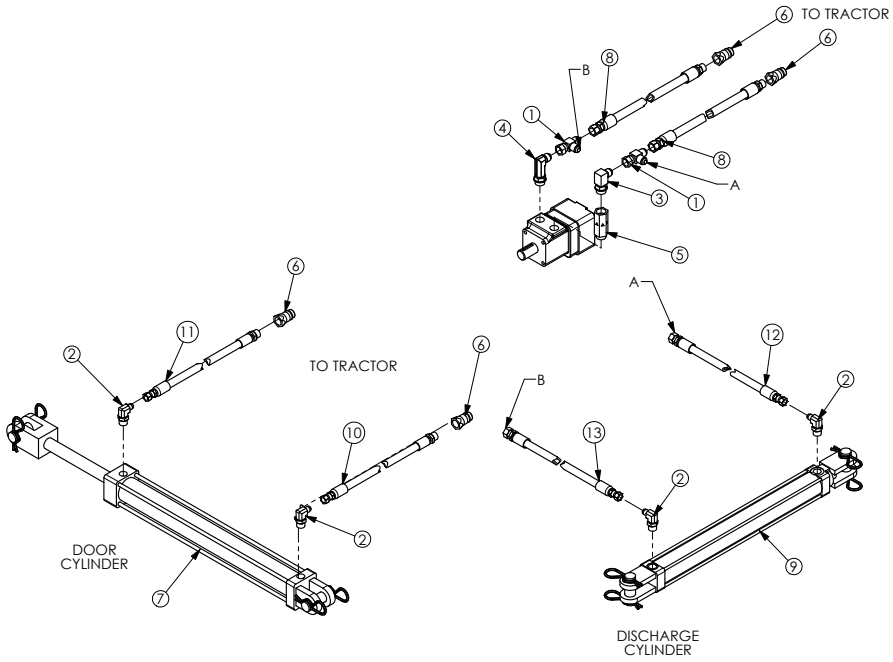
HYDRAULIC BREAKDOWN

4 HOSE ASSEMBLY (MON900549)

WARNING!

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.



NOTES:
1. CONNECT CORRESPONDING LETTER TO PORTS.
2. MOUNT DISCHARGE LIFT CYLINDERS WITH PORTS TOWARD WAGON SIDE.

SEAL KIT FOR CYLINDERS IS HYDPMCK9000

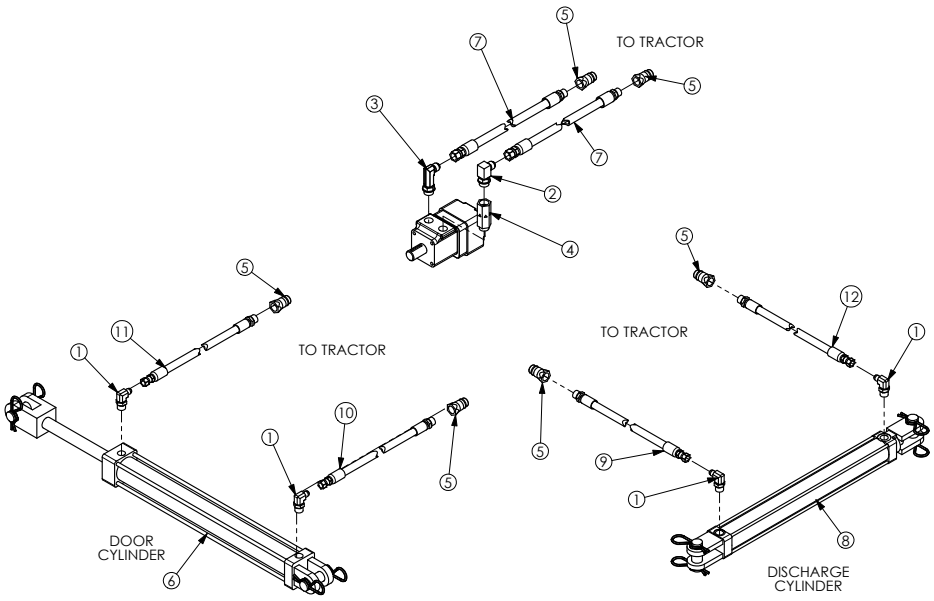
ITEM #	QTY	PART #	DESCRIPTION
1	2	HYD6602-8-8-8	ADPT,TEE,08,MJIC,08,FJIC,08,MJ
2	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
3	1	HYD6801-8-10	ADPT,ELBOW,08,MJIC,10,MORG,90D
4	1	HYD6801LL-8-10	ADPT,ELBOW,LL,08,MJIC,10,MORG,90D
5	1	HYDFC10	VALVE,CHECK,10,MORG,10,FORG
6	4	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
7	1	LM310284	CYL,HYD,2,20,TIEROD,2500PSI,PNT
8	2	MON700717	HOSE,HYD,1/2,168,08RA,08FJ
9	1	SAC73594	CYL,HYD,2,18,TIEROD,ORING
10	1	SAC74193	HOSE,HYD,3/8,222,06FJ,08RA
11	1	SAC74194	HOSE,HYD,3/8,240,06FJ,08RA
12	1	SAC74195	HOSE,HYD,3/8,80,06FJ,08FJ
13	1	SAC74197	HOSE,HYD,3/8,100,06FJ,08FJ

6 HOSE ASSEMBLY (MON900550)

WARNING!

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.



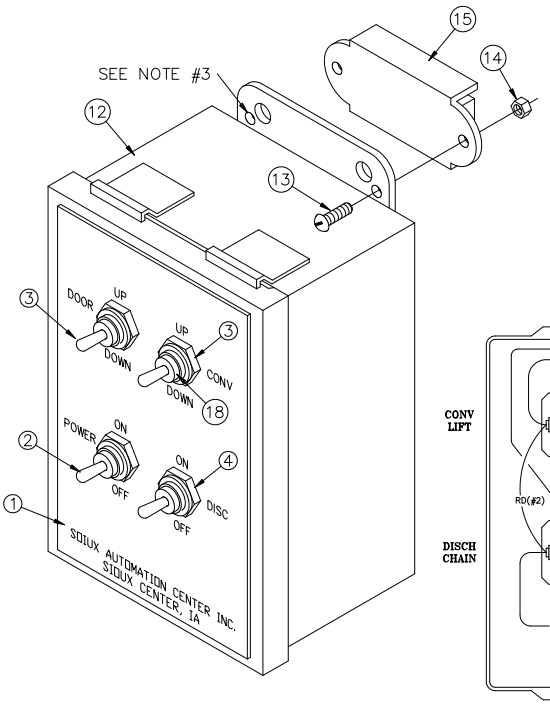
NOTES:
1. MOUNT DISCHARGE LIFT CYLINDERS WITH PORTS TOWARD WAGON SIDE.

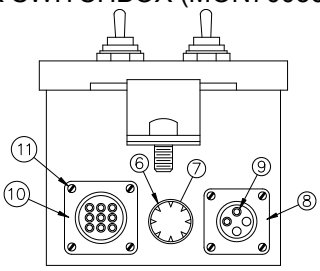
SEAL KIT FOR CYLINDERS IS HYDPMCK9000

ITEM	QTY	PART #	DESCRIPTION
1	4	HYD6801-6-8	ADPT,ELBOW,06,MJIC,08,MORG,90D
2	1	HYD6801-8-10	ADPT,ELBOW,08,MJIC,10,MORG,90D
3	1	HYD6801LL-8-10	ADPT,ELBOW,LL,08,MJIC,10,MORG,90D
4	1	HYDFC10	VALVE,CHECK,10,MORG,10,FORG
5	6	HYDS7115	TIP,COUP,SLEEVE,1WAY,#8FORG
6	1	LM310284	CYL,HYD,2,20,TIEROD,2500PSI,PNT
7	2	MON700717	HOSE,HYD,1/2,168,08RA,08FJ
8	1	SAC73594	CYL,HYD,2,18,TIEROD,ORING
9	1	SAC74192	HOSE,HYD,3/8,160,06FJ,08RA
10	1	SAC74193	HOSE,HYD,3/8,222,06FJ,08RA
11	1	SAC74194	HOSE,HYD,3/8,240,06FJ,08RA
12	1	SAC74209	HOSE,HYD,3/8,254,06FJ,08RA

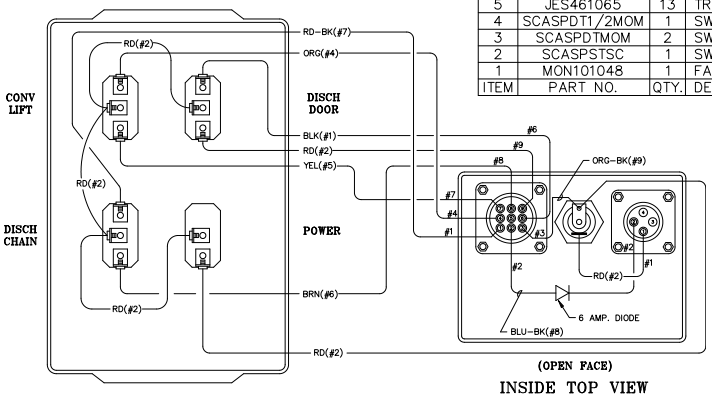
SWITCHBOXES

3 BANK SWITCHBOX (MON700564)





BOTTOM VIEW
OF SWITCH BOX

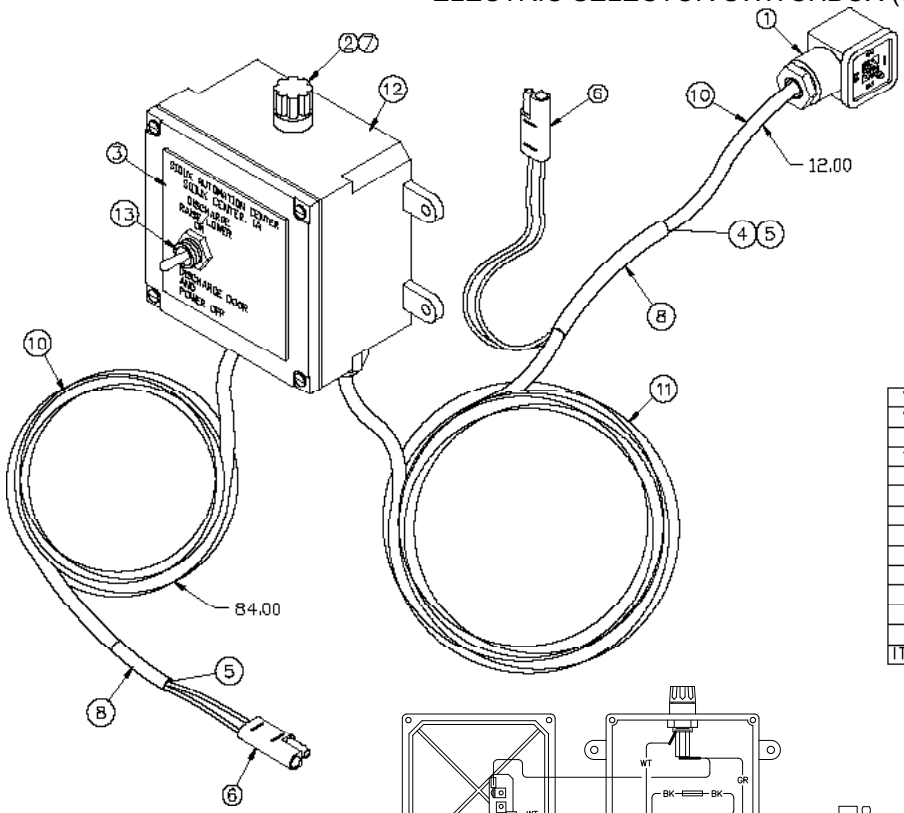


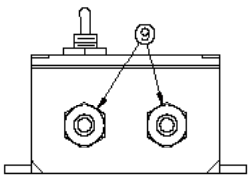
SWITCH BOX LID
(BACK VIEW)

INSIDE TOP VIEW
OF SWITCH BOX

ITEM	PART NO.	QTY.	DESCRIPTION
21	NUT440	8	NUT,HEX,4-40
20	SCA2064034	1	CONN,SEAL,AMP,13
19	SCA2064031	1	CONN,SEAL,AMP,11
18	STI\700155	4	BOOT,RUBBER
17	SCAECG572	1	DIODE,RCTFR,1000PRV,6A
16	STI1812CNTRL	6	CABLE,CNTRL,18GA,12CNDCTR
15	SCADFL30	2	MAGNET,30LB,FLG
14	NUT832	4	NUT,HEX,8-32
13	SPMB832X38	4	BLT,MACH,8-32,3/8
12	SCAHOFA604LP	1	BOX,HOFFMAN,6X4X3
11	SPMB440X12	8	BLT,MACH,4-40,1/2
10	SCA2067051	1	CONN,RCPTCL,AMP,STD,13-9
9	SCA660994	10	CONTACT,PIN,AMP,GOLD,18-16
8	SCA2060611	1	CONN,RCPTCL,AMP,STD,11-4
7	JES3AG5A	1	FUSE,5AMP,GLASS,.25,1.25
6	SCA345913	1	HOLDER,FUSE,RR,MOUNT
5	JES461065	13	TRMNL,RING,RED
4	SCASPDT1/2MOM	1	SWITCH,TOGGLE,SPDT,1/2MOM
3	SCASPDTMOM	2	SWITCH,TOGGLE,SPDT,SCREW
2	SCASPSTSC	1	SWITCH,TOGGLE,SPST,ON/OFF
1	MON101048	1	FACE,REMOTE,MONO,#9

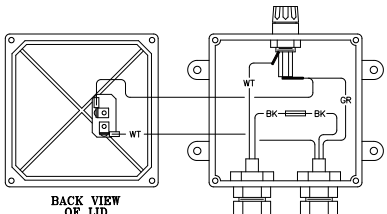
ELECTRIC SELECTOR SWITCHBOX (SAC26032)





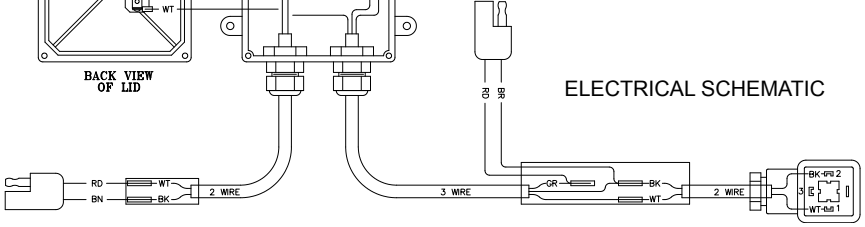
BOTTOM VIEW
OF SWITCH BOX

ITEM	PART NO.	QTY.	DESCRIPTION
13	SCASPSTSO	1	SWITCH,TOGGLE,SPST,SO
12	SCAPVC4X4X2	1	BOX,PVC,4X4X2
11	SCACORD183SJ	240	CORD,BULK,18,3,SJ
10	SCACORD182SJ	96	CORD,BULK,18,2,SJ
9	STI701353	2	GRIP,CORD,1/2,CAR
8	SCA38SHRINK	8	TUBE,.38,SHRINK,BLK
7	SCA345913	1	HOLDER,FUSE,RR,MOUNT
6	SCA2WAY	2	CONN,2WAY,RUBBER
5	SCA18SHRINK	5	TUBE,.125,SHRINK,BLK
4	SCA14SHRINK	6	TUBE,.25,SHRINK,BLK
3	SAC60514	1	FACE,REMOTE,DIS
2	JES3AG10A	1	FUSE,10AMP,GLASS,.25,1.25
1	HYD0212291100	1	CONN,DIN



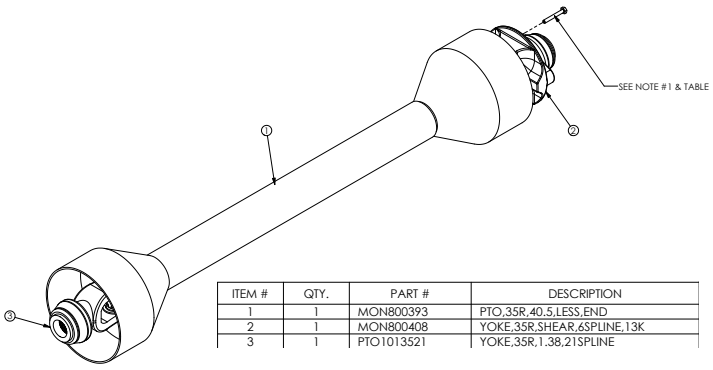
BACK VIEW
OF LID

ELECTRICAL SCHEMATIC



DRIVELINE ASSEMBLY

1000 RPM 1-3/8 21 SPLINE (MON800395)

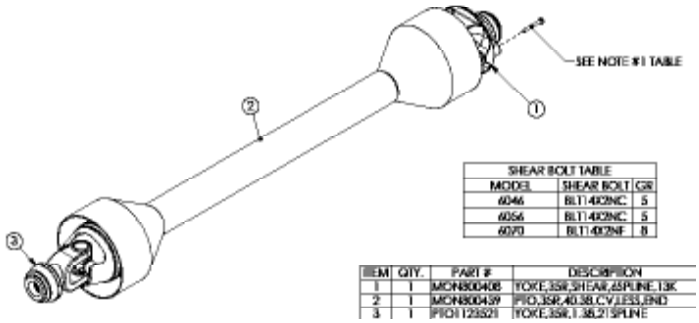


ITEM #	QTY.	PART #	DESCRIPTION
1	1	MON800393	PTO,35R,40.5,LESS,END
2	1	MON800408	YOKE,35R,SHEAR,6SPLINE,13K
3	1	PTO1013521	YOKE,35R,1.38,21SPLINE

SHEAR BOLT TABLE		
MODEL	SHEAR BOLT	GR
6046	BLT14X2NC	5
6056	BLT14X2NC	5
6070	BLT14X2NF	8

NOTE:
1. MON800408 COMES STANDARD WITH GR 8 SHEAR BOLT (BLT14X2NF). REMOVE AS NECESSARY PER THE SHEAR BOLT TABLE.
2. FOR HALF ASSEMBLIES, SEE MON900687 (MALE) & MON800390 (FEM).

1000 RPM 21 SPLINE CV DRIVELINE (MON800426)

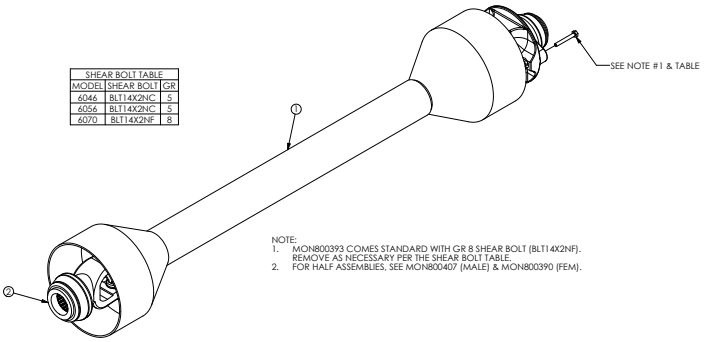


SHEAR BOLT TABLE		
MODEL	SHEAR BOLT	GR
6046	BLT1402NC	5
6056	BLT1402NC	5
6070	BLT1402NF	8

ITEM	QTY.	PART #	DESCRIPTION
1	1	MON800408	YOKE,35R,SHEAR,6SPLINE,13K
2	1	MON800439	PTO,35R,40.38,CV,LESS,END
3	1	PTO1123521	YOKE,35R,1.38,21SPLINE

NOTE:
1. MON800408 COMES STANDARD WITH GR 8 SHEAR BOLT (BLT1402NF). REMOVE AS NECESSARY PER THE SHEAR BOLT TABLE.
2. FOR HALF ASSEMBLIES, SEE MON900690 (MALE) & MON800470 (FEMALE).

1000 RPM 1-3/4 20 SPLINE (MON800396)

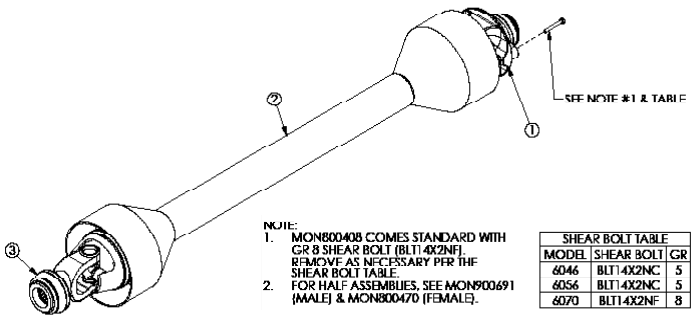


SHEAR BOLT TABLE		
MODEL	SHEAR BOLT	GR
6046	BLT14X2NC	5
6056	BLT14X2NC	5
6070	BLT14X2NF	8

NOTE:
1. MON800393 COMES STANDARD WITH GR 8 SHEAR BOLT (BLT14X2NF). REMOVE AS NECESSARY PER THE SHEAR BOLT TABLE.
2. FOR HALF ASSEMBLIES, SEE MON800407 (MALE) & MON800390 (FEM).

ITEM	QTY.	PART #	DESCRIPTION
1	1	MON800393	PTO,35R,SHEAR,65,CMPLT
2	1	PTO1013520	YOKE,35R,1.75,20SPLINE

1000 RPM 20 SPLINE CV DIVELINE (MON800427)

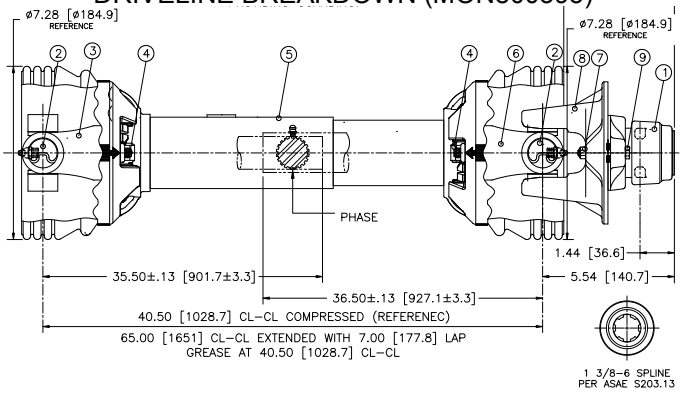


NOTE:
1. MON800408 COMES STANDARD WITH GR 8 SHEAR BOLT (BLT14X2NF). REMOVE AS NECESSARY PER THE SHEAR BOLT TABLE.
2. FOR HALF ASSEMBLIES, SEE MON900691 (MALE) & MON800470 (FEMALE).

SHEAR BOLT TABLE		
MODEL	SHEAR BOLT	GR
6046	BLT14X2NC	5
6056	BLT14X2NC	5
6070	BLT14X2NF	8

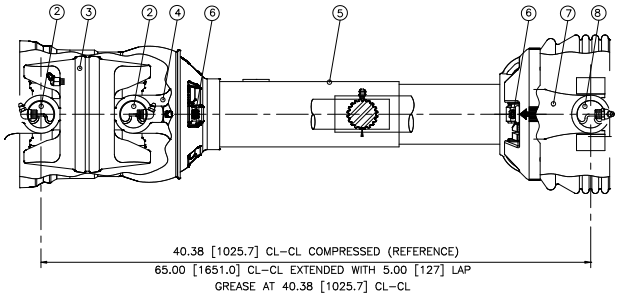
QTY.	PART #	DESCRIPTION
1	MON800408	YOKE,35R,SHEAR,6SPLINE,13K
1	MON800439	PTO,35R,40.38,CV,LESS,END
1	PTO1123520	YOKE,35R,1.75,20SPLINE

DRIVELINE BREAKDOWN (MON800393)



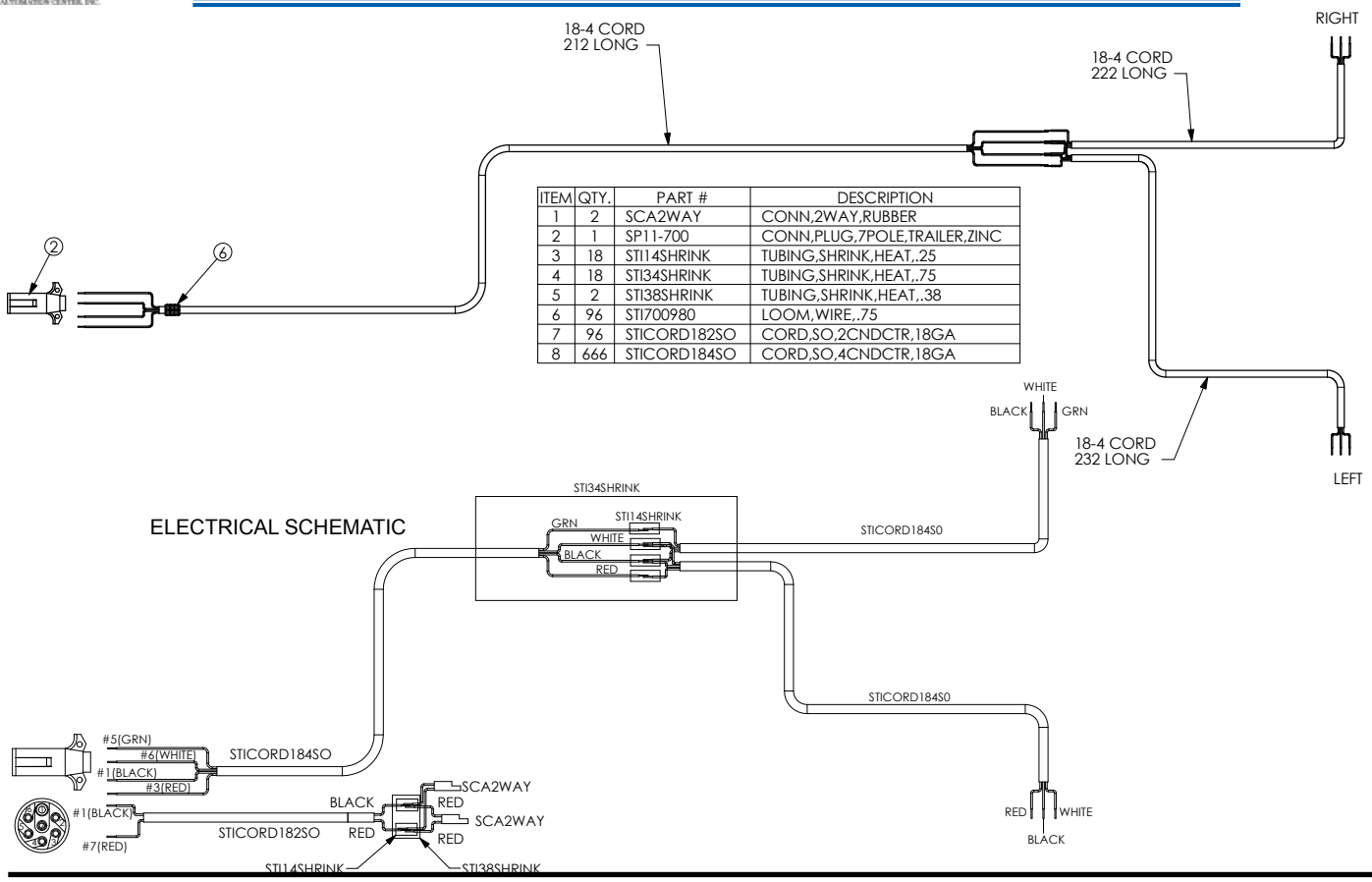
9	BLT14X2NF	1	BLT,HEX,1/4,2,NF,G8
8	MON800408	1	YOKE,35R,SHEAR,6SPLINE,13K
7	NUT14LOCKNF	1	NUT,LOCK,PUNCH,1/4,NF,G8
6	PTO7013500	1	YOKE,TUBE,35R,.12,2.13
5	PTO9002560	1	SHIELD,PTO,60,COMPLETE
4	PTO9211200	1	BRG,SHIELD,NEWWORLD,PTO
3	MON800392	1	YOKE,SHAFT,20SPLINE,35R,WLD
2	PTO22275	2	CROSS,1.25,KIT
1	PTO2610015	1	KIT,SLIDE,LOCK,REPAIR,RP
ITEM	PART NO.	QTY.	DESCRIPTION

DRIVELINE BREAKDOWN (MON800439)



8	PTO22275	1	CROSS,1.25,KIT
7	MON800468	1	YOKE,TUBE,20SPLINE,35R,32.88,CV
6	PTO9211200	1	BRG,SHIELD,NEWWORLD,PTO
5	PTO9121458	1	SHIELD,PTO,58,CV,COMPLETE
4	MON800407	1	YOKE,SHAFT,20SPLINE,35R,32.88,CV
3	PTO5503540	1	CV,35K,HOUSING,CENTER
2	PTO2003540	2	CROSS,1.25,1.13,CV,35SERIES
1	PTO2610015	1	KIT,SLIDE,LOCK,REPAIR,RP (NOT SHOWN)
B	MON800474	1	PTO,HALF,RR,32.88
A	MON800469	1	PTO,HALF,FR,37.13,CV
ITEM	PART NO.	QTY.	DESCRIPTION

LIGHTING HARNESS ASSEMBLY



ITEM	QTY.	PART #	DESCRIPTION
1	2	SCA2WAY	CONN,2WAY,RUBBER
2	1	SP11-700	CONN,PLUG,7POLE,TRAILER,ZINC
3	18	STI14SHRINK	TUBING,SHRINK,HEAT,.25
4	18	STI34SHRINK	TUBING,SHRINK,HEAT,.75
5	2	STI38SHRINK	TUBING,SHRINK,HEAT,.38
6	96	STI1700980	LOOM,WIRE,.75
7	96	STICORD182SO	CORD,SO,2CNDCTR,18GA
8	666	STICORD184SO	CORD,SO,4CNDCTR,18GA

General Specifications 6070

Width: Mixing Chamber ..... 91” (231 cm)
Overall ..... 101” (257 cm)

Length: Mixing Chamber ..... 228” (579 cm)
Overall ..... 296.5” (753 cm)

Height: (Determined by Tire Size) ..... 108” (274 cm)

Capacity ..... 700 cu/ft (19.82 cu/m)
(Struck Level) ..... 560 bushels

Unit Weight ..... 19,050 lbs. (8641 Kg)

Bottom Section ..... 3/8 Steel Plate

Upper Sides ..... 3/16 Steel Plate

Front/Rear Panels ..... 3/16 Steel Plate

Reel Diameter ..... 63” (160 cm)

Discharge (Left Side of Mixer) ..... 40” Discharge
4 Auger Power ..... 24” & 36” Lengths
Slide Tray ..... Standard Length

Drive ..... Chain & Sprocket

Minimum Horsepower Requirement ..... 130 hp (97 Kw)

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 therof 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 drawing, 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 one year for non-commercial users and 6 months for all commercial users, with the exception of ROTO PRESS products, which shall be effective for a period of one year for all users. 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 therof. 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.

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 all scale indicators and remote indicators. The terms of warranty are:

LIFETIME - From date of sale to the Original Purchaser:
All labor needed to repair the original scale indicator and all original 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.

Effective 04/10

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