



# 274-12, 274-12B FEED MIXER



## OPERATION AND PARTS MANUAL

ROTO-MIX  
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Dodge City, Kansas 67801  
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## Limited Warranty Statement

ROTO-MIX LLC warrants to the original purchaser all products manufactured by it to be free from defects in material and workmanship under normal use and service.

ROTO-MIX's obligation under this warranty is limited to repairing or replacing, as the company may elect, free of charge and without charge for installation, at the place of business of a dealer or distributor authorized to handle the equipment covered by this warranty or at a ROTO-MIX facility, any parts that prove, in the company's judgment, to be defective in material or workmanship within one (1) year after delivery to the original purchaser, and still owned by the original purchaser. This warranty shall in no way make ROTO-MIX liable to anyone for personal injuries or damages, loss of time, or expense of any kind either direct or indirect resulting from part failure or defect. This warranty is subject to acts of God, fire and existing conditions of supply and demand, or production, or ability or inability to deliver, or for any other valid reason beyond the reasonable control of ROTO-MIX, to obtain materials, manufactured replacement parts, or make delivery thereof. No distributor, dealer, agent, or ROTO-MIX employee (other than the CEO or President in writing) is authorized to extend any other or further express or implied warranty or incur any additional obligation on ROTO-MIX's behalf in connection with the sale of this product.

If ROTO-MIX, or its duly authorized representative, shall find that such returned part or parts are defective and such defects, or defect, are included in and covered by said warranty, then such defective part or parts shall promptly be replaced without charge to the purchaser, F.O.B. the ROTO-MIX plant.

**Product Registration** - It is a condition of this warranty that the original purchaser must fill out the warranty card furnished by ROTO-MIX and that it be returned to ROTO-MIX within 10 days of purchase and be recorded in ROTO-MIX's owner file for this warranty to be valid. In the event an owner's card is not on file at the ROTO-MIX office, the warranty period will extend only from date equipment was picked up or shipped from the ROTO-MIX plant.

**Maintenance** - It is the customer's responsibility to maintain their equipment in accordance with the instructions provided in the Operator's Manual. ROTO-MIX recommends that you keep records and receipts; you may be asked to prove that maintenance instructions have been followed.

**Operation** - It is the customer's responsibility to operate the equipment only for the purpose for which it was designed and in accordance with all safety and operational recommendations contained in the Operators Manual. If a defect in materials or workmanship occurs, it is the customer's responsibility to cease operating the equipment until authorized repairs are made. **Damage, which occurs from continued operation, may not be covered by this warranty.**

### What this Warranty Covers

This warranty covers failures caused by defects in materials or workmanship only.

### This Warranty does not cover failures caused by:

- Improper operation
- Natural calamities
- Unauthorized modifications
- Unauthorized repairs
- Use of Non ROTO-MIX parts
- Neglected maintenance
- The use of PTO Shaft Adaptors
- Usage contrary to the intended purpose of the product

Warranty continues on the next page.

## ***Limited Warranty Statement continued***

**This Warranty does not cover replacement of Wear or Maintenance Items including, but not limited to.**

- Lubricants
- Filters
- Hoses
- Tires
- Augers
- Wipers
- Chains
- Idlers
- Batteries
- Blades
- Belts

**This Warranty does not cover:**

- Pickup and delivery of the equipment
- Service Calls or Travel Time to and from sites
- Rental of replacement equipment during repair period
- Products that have been declared a total loss and subsequently salvaged
- Overtime labor charges
- ROTO-MIX is not responsible and will not be liable for damage caused to persons or property, commercial loss, loss of time or production, loss of use by reason of the installation or use of ROTO-MIX products or their mechanical failure.

### **Right to Make Changes**

ROTO-MIX reserves the right to make any changes to a ROTO-MIX product at any time without incurring any obligation with respect to any product previously ordered, sold or shipped, with or without notice.

### **Parts Warranty**

ROTO-MIX warrants replacement parts against defects in materials or workmanship for a period of 90 days or the remainder of the product warranty, whichever is longer. Remedy for defective replacement parts for units that are beyond the original product warranty, will be limited to replacement of the failed part. Failures that are due to damage, improper installation, lack of maintenance or improper operation will not be covered.

**ROTO-MIX 2205 East Wyatt Earp Blvd., Dodge City, KS 67801 (620) 225-1142 Fax: (620) 225-6370**

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## ***SCALES WARRANTY & SERVICE POLICY***

### **DIGI-STAR SCALE SYSTEMS**

Digi-Star, LLC warrants for a period of one year from date of installation, to correct by repair or replacement, at Digi-Star's option, any defect in material or workmanship in any part of this product. In the event of replacement, Digi-Star's sole obligation shall be to provide replacement products or parts. F.O.B. Digi-Star, LLC, W5527 Hwy 106, Fort Atkinson, WI 53538 USA.

### **WEIGH-TRONIX SCALE SYSTEMS**

WEIGH-TRONIX warrants for a period of one year from date of installation, to correct by repair or replacement, at Weigh-Tronix's option, any defect in material or workmanship in any part of this product. In the event of replacement, Weigh-Tronix's sole obligation shall be to provide replacement products or parts. F.O.B. Avery Weigh-Tronix, 1000 Armstrong Drive, Fairmont, MN 56031-1439 USA.

## OPERATOR QUALIFICATIONS

Operation Of this mixer/feeder shall be limited to competent and experienced persons. In addition, anyone who will operate or work around a mixer/feeder must use good common sense. In order to be qualified, he or she must also know and meet all other qualifications, such as:

1. Some regulations specify that no one under the age of sixteen (16) may operate power machinery. It is your responsibility to know what these regulations are in your area and/or situation.
2. Current OSHA regulations state in part: At the time of initial assignment and at least annually thereafter, the employer shall instruct **EVERY** employee in the safe operation and servicing of all equipment with which the employee is, or will be involved.
3. Unqualified persons are to **STAY OUT OF THE WORK AREA.**
4. A person who has not read and understood all operating and safety instructions is not qualified to operate the machinery.

**FAILURE TO READ THIS MIXER/FEDER MANUAL AND ITS SAFETY INSTRUCTIONS IS A MISUSE OF THE EQUIPMENT.**



## **SAFETY**

**TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THE 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 the use of the signal words **DANGER**, **WARNING**, and **CAUTION** with the safety messages. The appropriate signal word for each has been selected using the 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 the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

**WARNING:** Indicates a potentially hazardous situation that, if not avoided, will 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.

If you have questions not answered in this manual or require additional copies or the manual is damaged, please contact your dealer or ROTO-MIX, 2205 E. Wyatt Earp, Dodge City, Kansas, 67801. (Telephone) 620-225-1142 (Fax) 620-225-6370

## **SAFETY FIRST**

**REMEMBER:** The careful operator is the best operator. Most accidents are caused by human error. Certain precautions must be observed to prevent the possibility of injury or death.



**DO NOT ALLOW PERSONNEL OTHER THAN THE QUALIFIED OPERATOR NEAR THE MACHINE.**



**NEVER START MACHINE UNTIL ALL GUARDS AND SAFETY SHIELDS ARE IN PLACE.**



**DO NOT CLEAN, ADJUST OR LUBRICATE THE MACHINE WHILE IT IS IN MOTION.**



**BEFORE STARTING TRACTOR ENGINE, BE SURE PTO SHIELDS TURN FREELY.**



**LOOSE OR FLOPPY CLOTHING SHOULD NOT BE WORN BY THE OPERATOR.**

### **OPERATING PRECAUTIONS & INSTRUCTIONS:**

- A. Check to see that no obstructions are present in the mixer prior to start up.
- B. Before loading, run the mixer empty and check all operations.
- C. Do not overload the mixer, as the mixing efficiency may be reduced and unit damage may occur. (See loading instructions).
- D. Remove all moisture drain plugs if the mixer is going to set in the rain or snow.
- E. Be sure all shields are in place before operation.
- F. Use common sense when operating.



## EQUIPMENT SAFETY GUIDELINES



Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufactures build in as many safety features as possible. However, 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, or for you, follow them.

In order to provide a better view, certain photographs or 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 the shield prior to use.

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

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

Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. 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 of 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 the instructions on them.

Never exceed the limits of a piece of machinery. in 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 the customer to know the 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.





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### **KEEP ALL SHIELDS IN PLACE**

Do not operate mixer/feeder without safety shields in place.

Rotating parts can crush or dismember causing personal injury or death.

Disconnect PTO driveline before removing shields for adjustment or service.



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### **OPERATE MIXER/FEEDER SAFELY**

Rotating parts can entangle or strike people, resulting in personal injury or death.

Never enter a mixer/feeder while in operation.

Operate the mixer/feeder from the operator's seat only.

Do not exceed load capacity of the mixer/feeder. (See loading instructions).

Reduce speed when turning or traveling on rough terrain.

Avoid traveling over loose fill, rocks, ditches or holes.

Keep transmissions in gear when traveling downhill.



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### **KEEP RIDERS OFF MIXER/FEEDER**

Keep riders off.

Riders are subject to injury such as being struck by foreign objects and being thrown off. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.





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## STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment .



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## PREVENT BATTERY EXPLOSIONS

Keep sparks, lighted matches, and open flame away from the top of battery. Battery gas can explode.

Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.

Do not charge a frozen battery; it may explode. Warm battery to 16C (60F)



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## AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury or death.

Avoid the hazard relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.



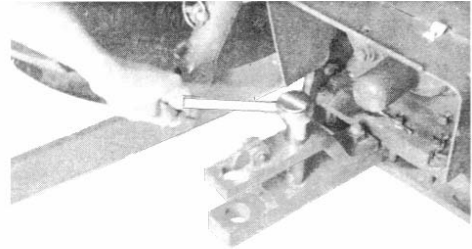


## PREPARING TRACTOR FOR TRAILER MIXER

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### POSITIONING DRAWBAR

**IMPORTANT:** Drive components can be damaged from excessive speed. Under no circumstances should a feed mixer equipped with 540 RPM be operated by a tractor with 1000 RPM PTO.



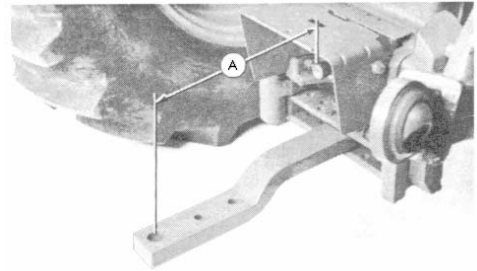
Feed mixers are available with either 540 or 1000 RPM driveline. Match tractor PTO with the feed mixer driveline.

**IMPORTANT:** To prevent driveline damage, adjust tractor drawbar to recommended setting. Disengage tractor PTO before turning.

Remove clevis if equipped. Turn offset drawbar down.

Adjust drawbar length:

PTO SPEED	DIMENSION (A)
540 RPM	14 inches (356 mm)
1000 RPM	16 inches (406 mm)



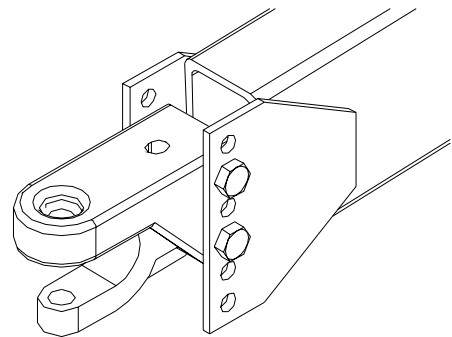
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### ADJUST TRAILER HITCH CLEVIS

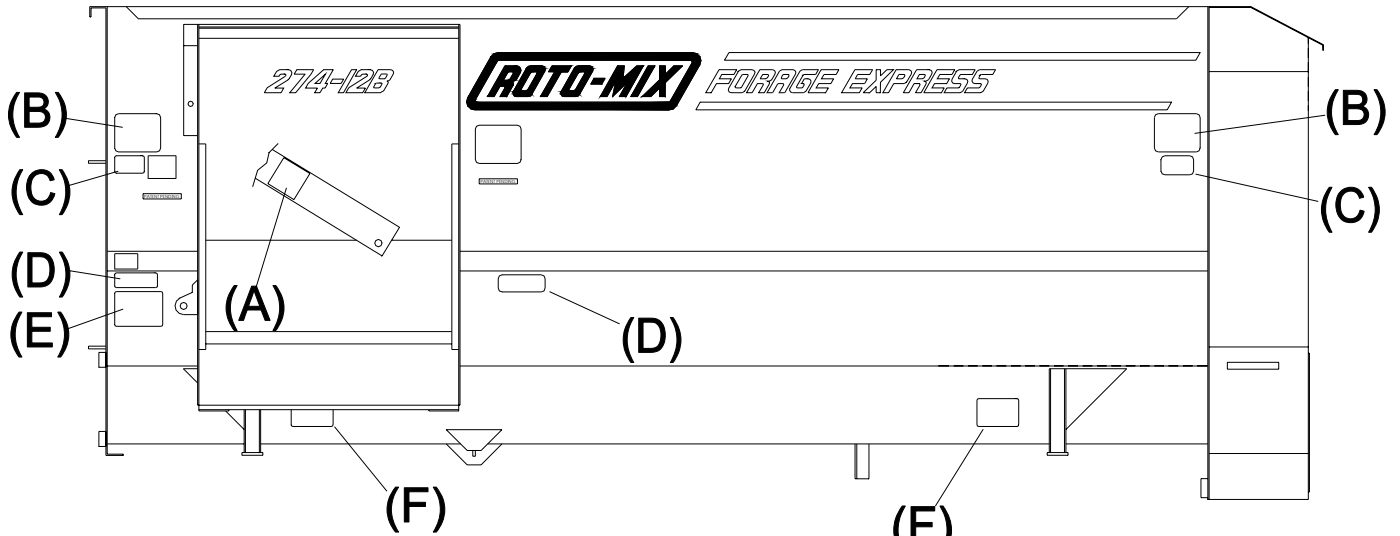
Mixer should be approximately level when attached to tractor.

Adjust clevis by changing hole location on tongue.

Hitch Pin Size --- 1" x 7"



# SAFETY SIGNS



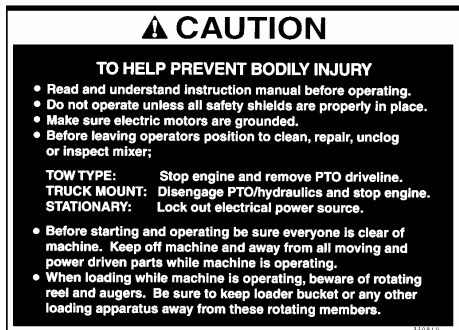
(A) 440833



(C) 440831



(E) 440819



(B) 440827



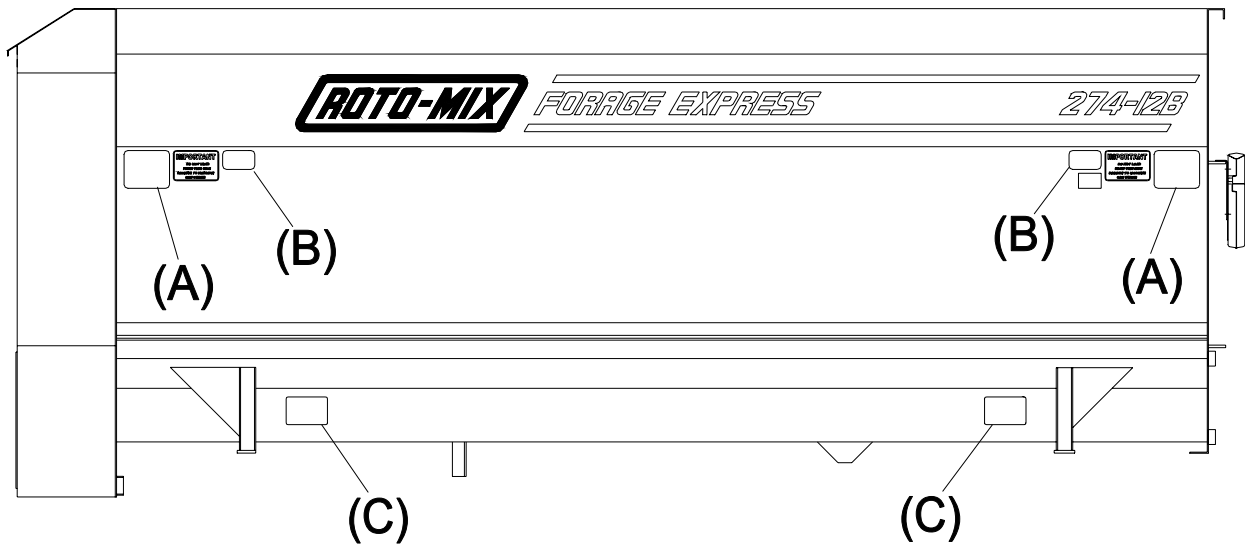
(D) 440818



(F) 440826



# SAFETY SIGNS



(B) 440831



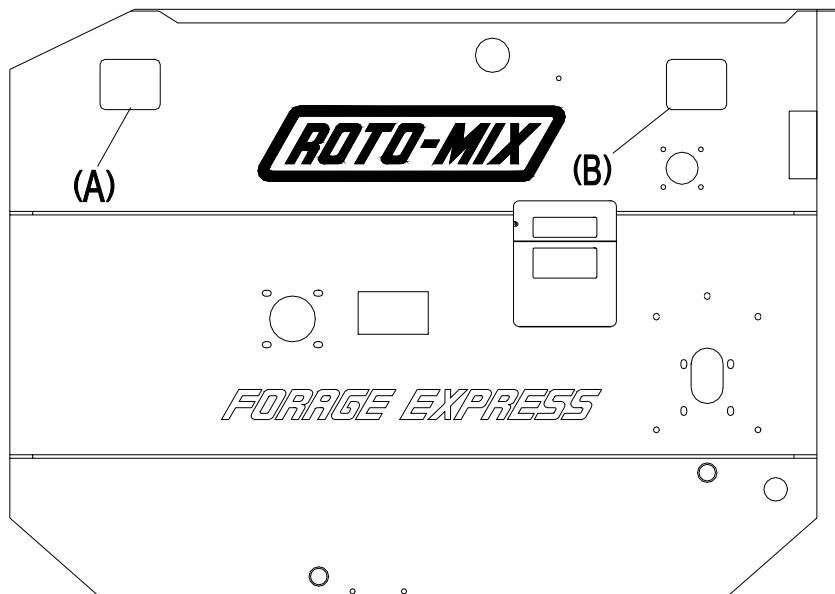
(A) 440828



(C) 440826



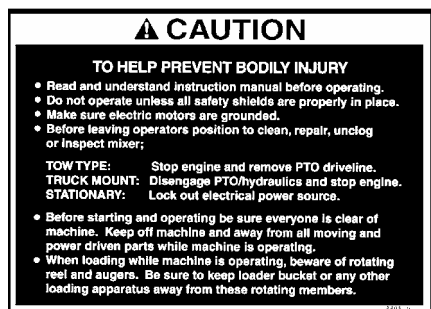
# SAFETY SIGNS



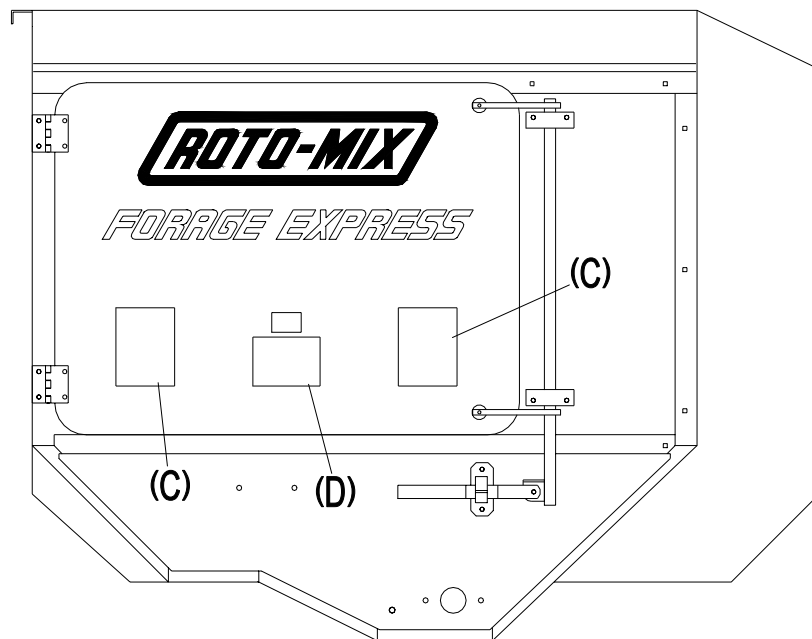
(A) 440828



(D) 440819



(B) 440827



(C) 440822





## **SAFETY DECAL CARE**

Keep safety decals and signs clean and legible at all times.

Replace safety decals and signs that are missing or have become illegible.

Replaced parts that displayed a safety sign should also display the current sign.

Safety decals or signs are available from your dealer or the ROTO-MIX manufacturing plant.

### **How to Install Safety Decals:**

Be sure that the installation area is clean and dry.

Decide on the exact position before you remove the backing paper.

Remove the smallest portion of the split backing paper.

Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.

Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.

Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.



## **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 dealer or the ROTO-MIX plant.**

### **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.

Keep wheel lug nuts or bolts tightened to specified torque.

Assure that agricultural implement tires are inflated evenly.

Give the 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 that there are no tools lying on or in the mixer/feeder.

Do not use the unit until you are sure that the area is clear, especially children and animals.

Because it is possible that this mixer/feeder may be used in dry areas or the presence of combustibles, special precautions should be taken to prevent fires and fire fighting equipment should be readily available.

Don't hurry the learning process or take the unit for granted. Ease into it and become familiar with your new mixer/feeder.

Practice operation of your mixer/feeder and its attachments. Completely familiarize yourself and other operators with its operation before using.

Securely attach to towing unit. Use a high strength, appropriately sized hitch pin with a mechanical retainer.

Do not allow anyone to stand between the tongue or hitch and the towing vehicle when backing up to the mixer/feeder.





## **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 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, the tractor or equipment, except as required for operation.

Keep hands and clothing clear of moving parts.

Do not clean, lubricate or adjust your mixer/feeder while it is moving.

Be especially observant of the operating area and terrain - watch for holes, rocks or other hidden hazards. Always inspect the area prior to operation.

**Do not** operate near the 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 levellest possible route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.

Be extra careful when working on inclines.

Periodically clear the equipment of brush, twigs or other materials to prevent buildup of dry combustible materials.

Maneuver the 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 fill, 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 the work area.

Operate the towing vehicle from the operator's seat only.

Never stand alongside of the unit with engine running. Never attempt to start engine and/or operate machine while standing alongside of unit.



### **DURING OPERATION (CONT.)**

Never leave running mixer/feeder unattended.

As a precaution, always recheck the hardware on mixer/feeder following every 100 hours of operation. Correct all problems. Follow the maintenance safety procedures.



### **FOLLOWING OPERATION:**

Following operation, or when unhitching, stop the tractor or towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine and remove the ignition keys.

Store the 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 the stored unit.

Make sure parked machine is on a hard, level surface and engage all safety devices.

Wheel chocks may be needed to prevent unit from rolling.



### **HIGHWAY AND TRANSPORT OPERATIONS:**

Adopt safe driving practices:

Keep the brake pedals latched together at all times. **Never use independent braking with machine in tow as loss of control and/or upset of unit can result.**

Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure. Deep speed to a minimum.

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

Avoid sudden uphill turns on steep slopes.

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

Do not drink and drive.



## **HIGHWAY AND TRANSPORT OPERATIONS (CONT.):**

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 the highway during daylight and nighttime transport.

The 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 the tractor and mixer/feeder on the road or highway under 20 MPH (40 KPH) at night or during the day, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.

Plan your route to avoid heavy traffic.

Be a safe courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.

Be observant of bridge loading ratings. Do not cross bridges rated lower than the gross weight at which you are operating.

Watch for obstructions overhead and to the side while transporting.

Always operate mixer/feeder in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the mixer/feeder when making turns, stopping the 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 the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.

Before working on the mixer/feeder, stop the towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine and remove the ignition keys.

Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.

Always use a safety support and block the wheels. Never use a jack to support the machine.



## **PERFORMING MAINTENANCE (CONT.):**

Always use the proper tools or equipment for the job at hand.

Use extreme caution when making adjustments.

Never use our hands to locate hydraulic leaks on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate the skin.

When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure.

Openings in the skin and minor cuts are susceptible to infection from hydraulic fluid. If injured by escaping hydraulic fluid, see a doctor at once. Gangrene can result. Without immediate treatment, serious infection and reactions can occur.

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 step or platform.

Never replace hex bolts with less than grade five (5) bolts unless otherwise specified.

Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. ROTO-MIX will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.

If equipment has been altered in any way from original design, ROTO-MIX 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 mixer/feeder.

## **READ THE FOLLOWING BEFORE WELDING ON THIS MIXER/FEEDER**

When welding on your mixer/feeder, do not allow the current to flow through the ball bearings or the roller chains. Ground directly to the item being welded.

Always disconnect the scale instrumentation from the weigh bars or load cells and the power source. Be sure the current does not pass through weigh bars or load cells or scale indicator. The alternator should always be disconnected if the mixer/feeder is not disconnected from the towing vehicle.

### **CHAIN TENSION**

All the single roller chain should be tightened to the point of .042" (1 mm) (dime) clearance is reached between the coils of the 1-1/4" idler tension springs and .068" (1.7 mm) (nickel) clearance is reached between the coils of the 1-3/4" idler tension springs.

### **LOADING INSTRUCTIONS & PRECAUTIONS**

- A.** Do not add side board extensions to the mixer.
- B.** Do not overload the mixer. Mixer capacity can be reached by weight or volume. By volume, the rotor bars and wipers should always be visible at the peak of the rotor cycle. If the rotor is completely submerged under the mix, mixing efficiency may be reduced, spillage may occur, and damage to the mixer may result. Maximum capacity by weight can be calculated by multiplying 28 pounds times mixer cubic foot capacity.
- C.** Load molasses and/or liquid protein supplements first with mixer not running, then add one (1) commodity ingredient before starting the mixer. For the shortest mixing time and maximum mixing efficiency, these items should be added at the first of the loading process.
- D.** When adding minute supplements or medication in non-liquid form, these ingredients should be loaded in the middle of the loading sequence.

### **E. RATIONS WITH GROUND HAY:**

- 1.** Load molasses (or liquids) first with the mixer not running.
- 2.** Load one (1) commodity ingredient and start mixer.
- 3.** Finish loading commodities, silage, or ground hay. Loading ground hay after mixing liquids with another commodity will prevent molasses hay balls.

**NOTE:** These procedures may not work on all rations. Loading sequences may be changed to give best possible mix.

### **ATTENTION:**

- F.** Never load the mixer from the right side (side opposite the discharge) with a front end loader of payloader.

## **OPERATION:**

Trailer mounted mixers can be furnished with single tractor controls or dual controls. Dual controls are standard unless specified.

1. Single controls operate as follows: Spout goes down first - door opens second.  
Door closes first - spout goes up second.
2. The disadvantage of the single control is that it does not let you adjust the spout height without first closing the door.

## **ROTO-HAY PROCESSOR**

The ROTO-HAY PROCESSOR is designed for processing hay into the mixer. This eliminates the need for grinding hay, which saves the time and expense of grinding and can save up to 18% loss from wind and handling.

### **THE ROTO-HAY PROCESSOR MUST BE PROPERLY USED ALWAYS USE DRY HAY**

**Drain rain water out of mixer before use.** 1" of rain in a 274-12 equals (50 gal) 407 lbs. of water which will increase the moisture in 700 lbs. of dry hay (12%) to 44% moisture or 400 lbs. of dry hay to 56% moisture.

The ROTO-HAY PROCESSOR will handle small amounts of damp hay, but this is done at your own risk. ROTO-MIX will not warranty bent or broken rotor tubes, bent or broken augers, or bent hay pans caused from misuse, wet hay, foreign objects, and/or overloading.

## **HAY PREPARATION:**

1. **SMALL BALES** - (60 to 150 lbs., 2 or 3 wire) Remove twine or wire from bales and break bales apart by pushing into a pole with a front end loader.
2. **LARGE SQUARE BALES** - (3' x 4' x 8' or 4' x 4' x 8')
  - A. Position bale so you can get to end of bale with front end loader.
  - B. Remove twine or wrapping.
  - C. With front end loader, pull a 12" flake away from the bale so it can be picked up with loader bucket - or - by adding 3 or 4 teeth (12" long) to the top of your loader bucket, you can stab the end of the bale and pick up a 12" flake to lay on the mixer hay pan.
3. **ROUND BALES**
  - A. Remove twine or wrapping.
  - B. Cut bale with a ROTO-BALE CUTTER a minimum of 5 times to part the bale into a minimum of 12" chunks. More times may be desired for ease of handling.
  - C. Break bales apart by pushing into a pole with a front end loader so the hay can be loaded in quantities of approximately 200 lbs. at a time.

## LOADING INSTRUCTIONS FOR HAY PROCESSOR

Load all commodities except liquids on the discharge (auger) side with the hay pan in the raised position. The raised hay pan does not affect the mixing action

1. If molasses and/or liquid protein is used, load on the rotor side of the mixer first with the mixer not running.
2. Load one (1) grain or dry commodity in a minimum amount equal to the amount of hay to be put into mixer with the mixer not running.
3. Start the mixer and run approximately one (1) minute before adding hay.
4. With the mixer running at a minimum rotor speed of 4 RPM, load prepared hay towards the front of the hay pan on discharge side of mixer. For best results, when loading with a tractor front end loader or payloader, each bucket load should not exceed 200 lbs at one time. Allow time for the hay to be processed into the mixer before loading another 200 lbs. Repeat until desired amount of hay is processed (DO NOT OVERLOAD). Let the mixer run until desired length of hay is reached.
5. Finish loading dry commodities.
6. Load wet feeds, such as silage, after all commodities and hay are in the mixer.
7. If water is to be added to the ration - **Do this last!**

## MIXER INFORMATION

The mixer trailers are equipped with recapped tires with a new tread cap.

## LUBRICATION CHART

**DISENGAGE PTO & SHUT OFF POWER BEFORE LUBRICATING THE MACHINE.**

**LOOSE OR FLOPPY CLOTHING SHOULD NOT BE WORN BY THE OPERATOR.**

**OIL BATH:** Fill the oil bath with 30 weight motor oil to sight plug level.

**GREASE BANK:** Grease every 100 hours.

**FRONT END BEARINGS:** Grease every 100 hours.

**INPUT BEARINGS:** One (1) on input shaft beneath mixer/feeder. Grease every 100 hours.

**PTO SHAFTS & U-JOINTS:** Grease every 10 to 20 hours.

**GEARBOX:** Prior to operation, remove the uppermost plug and replace with vent plug provided. After the first 100 hours of operation, drain the initial oil, preferably warm. Flush the gear case with an approved non-flammable, non-toxic solvent and refill with oil. Thereafter oil should be changed every 2500 hours or every 12 months, whichever occurs first. Fill the gearbox with 1-1/2 pints of (Mobil Delvac Synthetic Gear Oil 75W-90).





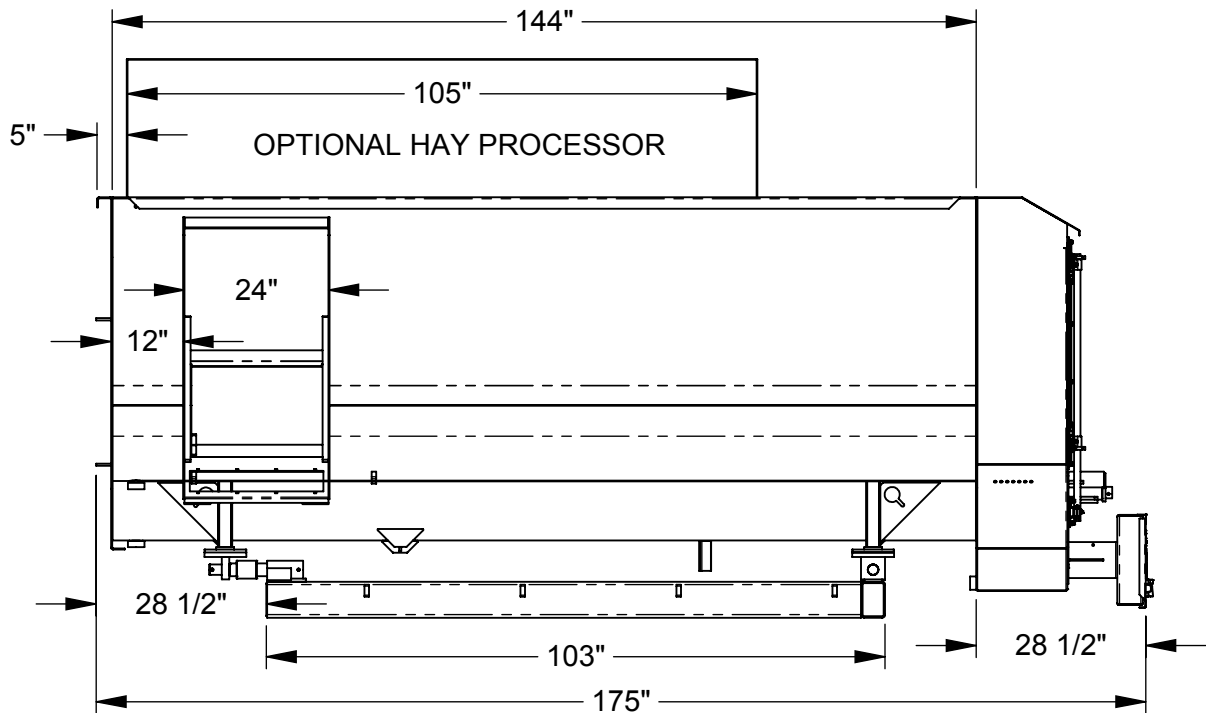
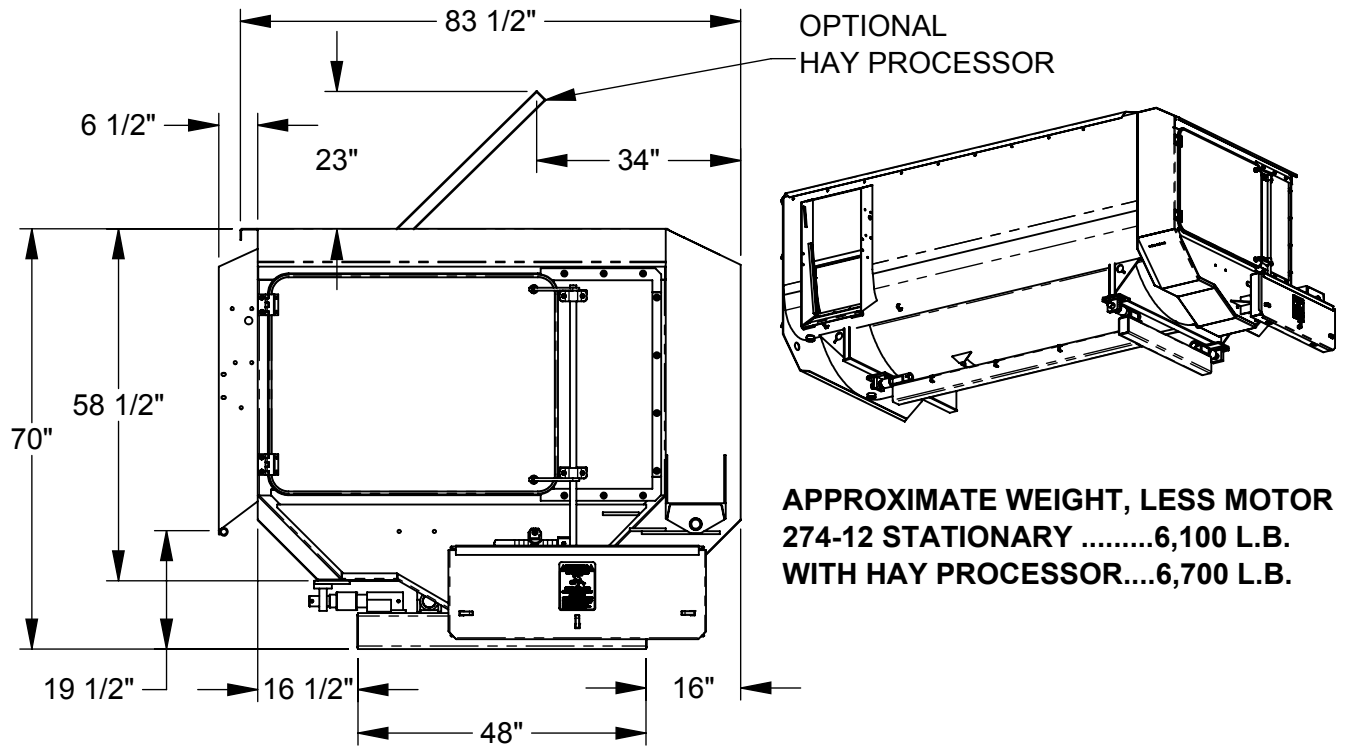
## 274-12 SPECIFICATIONS

Capacity (Cu. ft.).....	270
Struck level capacity (Cu. ft.) .....	315
Top Auger Bearing (Front) .....	1-3/4" 4-Bolt
Top Auger Bearing (Rear) .....	2-1/2" 4-Bolt
Bottom Auger Bearing (Front).....	2-3/16" 4-Bolt
Bottom Auger Bearing (Rear).....	3" 4-Bolt
Rotor Bearing (Front) .....	2-7/16" 4-Bolt
Rotor Bearing (Rear).....	3-1/2" 4-Bolt
Top Auger Sprockets .....	100 B 19H & 80 B 54
Bottom Auger Sprockets.....	100 B 13H & 100 B 36
Rotor Sprocket .....	100 B 96
Jackshaft Sprockets.....	60 B 54 & 80 B 15H
Drive Sprockets.....	60 B 15H - Trl & Stat 1000 PTO 60 B 28H - Trl 540 PTO
Top Auger Flighting .....	1/4" x 16"OD RH 14" Pitch
Bottom Auger Flighting.....	3/8" x 16"OD RH & LH Full Pitch
Tub Bottom Construction .....	7GA (3/16") Steel
Auger Bottom Construction.....	1/4" Steel
Right Side Sheet Construction.....	10GA (1/8") Steel
Left Side Sheet Construction .....	10GA (1/8") Steel
Front End Sheet Construction.....	7GA (3/16") Steel
Rear End Sheet Construction.....	7GA (3/16") Steel

**PTO CHART**  
**274-12**

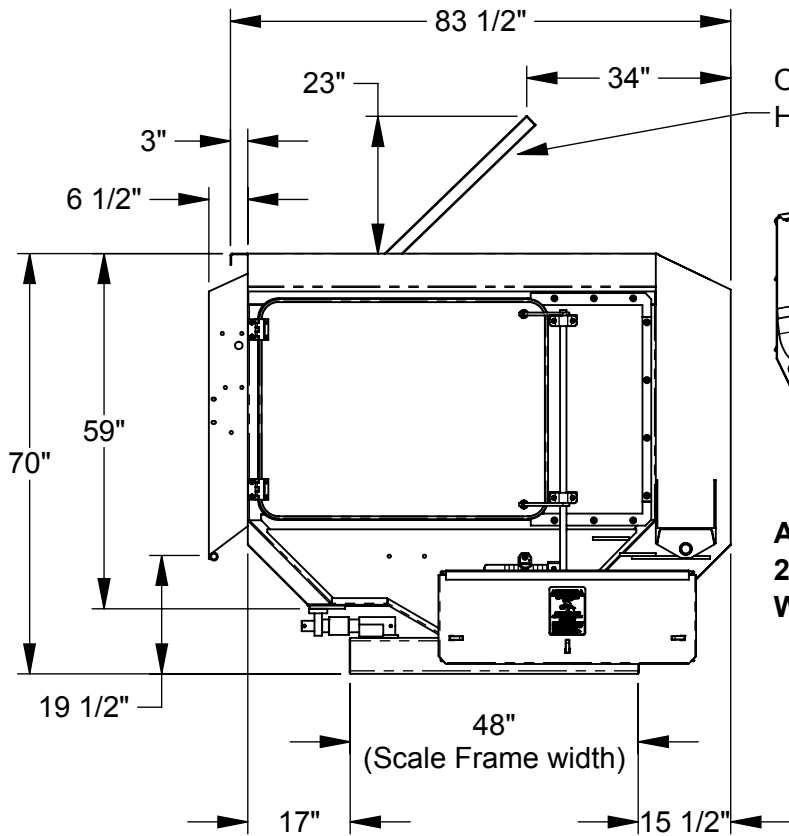
		<b>INPUT SPROCKET</b>	<b>JACKSHAFT SPROCKET</b>
<b>1000 TRACTOR DRIVE (OPTIONAL)</b>		15 Tooth	54 Tooth 15 Tooth
<b>540 TRACTOR DRIVE (STANDARD)</b>		28 Tooth	54 Tooth 15 Tooth
	<b>BELT RATIO</b>		
	20 HP 3V-4 Groove 10.6" & 3V-4 Groove 5.0" 4 Belts 3VX-800	15 Tooth	54 Tooth & 15 Tooth
<b>STATIONARY 1750 RPM ELECTRIC</b>	15HP 3V-3 Groove 10.6" & 3V-3 Groove 5.0" 3 Belts 3VX-800	15 Tooth	54 Tooth & 15 Tooth
	10HP 3V-2 Groove 10.6" & 3V-3 Groove 3.65" 3 Belts 3VX-800	15 Tooth	54 Tooth & 15 Tooth
<b>NOTE: IF OPTIONAL HAY PROCESSOR IS INSTALLED A 20HP MOTOR IS REQUIRED.</b>			
<b>DUAL ELECTRIC MOTOR DRIVE</b>	15HP & 10HP (1) 3V-4 Groove 10.6" & (2) 3V-2 Groove 5.0" 2 Belt 3VX-800 2 Belt 3VX-1060	15 Tooth	54 Tooth & 15 Tooth

# 274-12 STATIONARY DIMENSIONS 3 POINT SCALE FRAME with WEIGH BARS

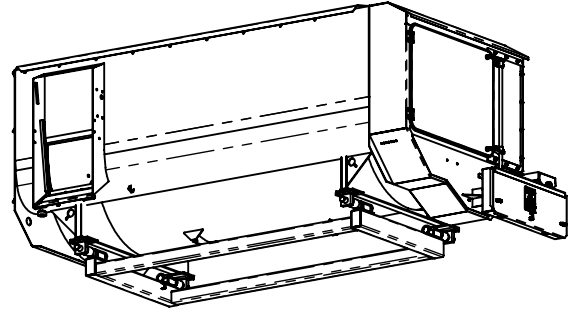


All Dimensions & Specifications are Approximate and Subject to Change Without Notice.

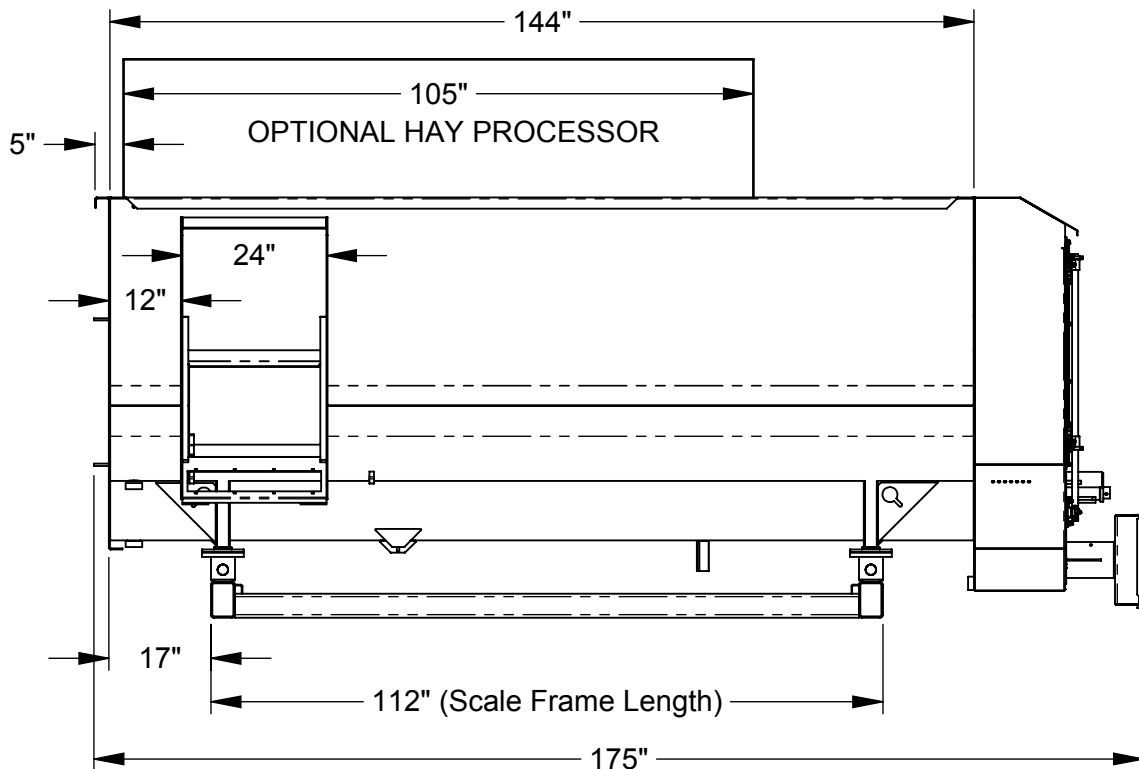
# 274-12 STATIONARY DIMENSIONS 4 POINT SCALE FRAME with WEIGH BARS



OPTIONAL  
HAY PROCESSOR

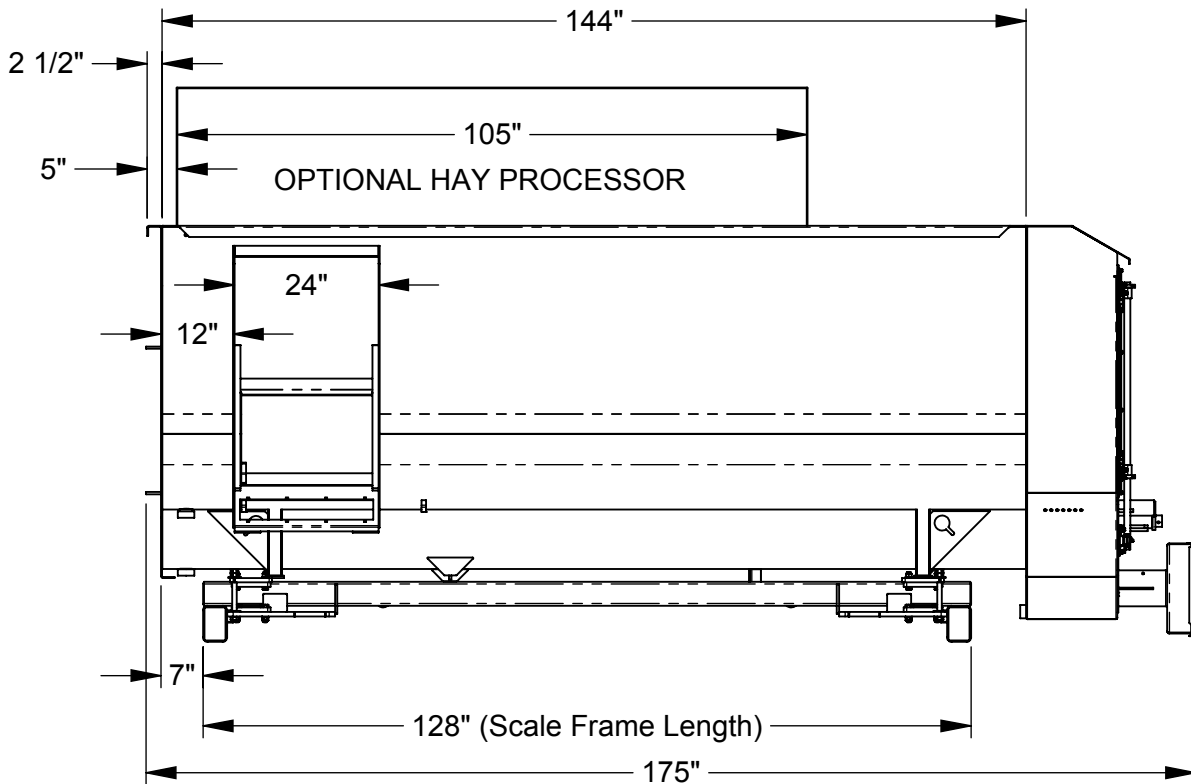
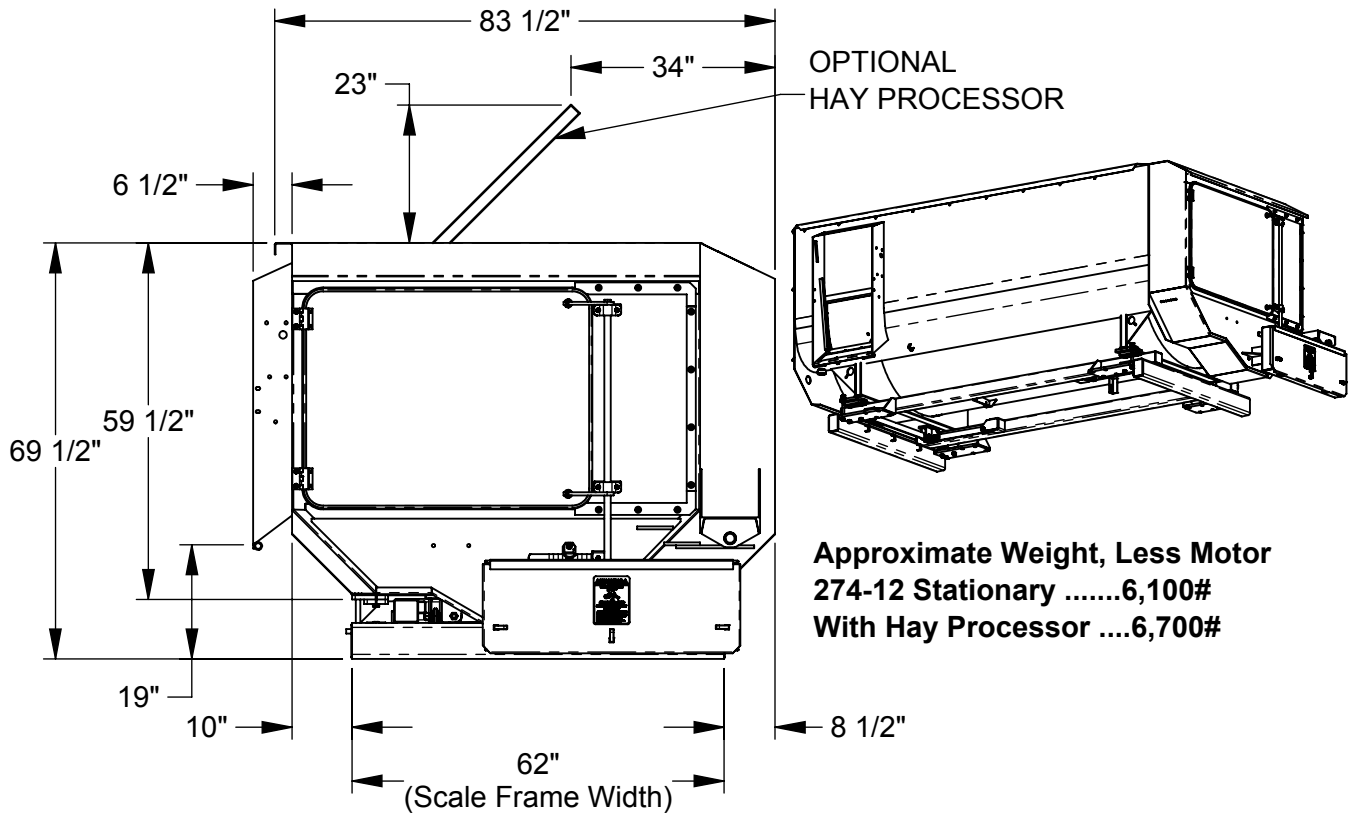


Approximate Weight, Less Motor  
274-12 Stationary .....6,100#  
With Hay Processor ....6,700#



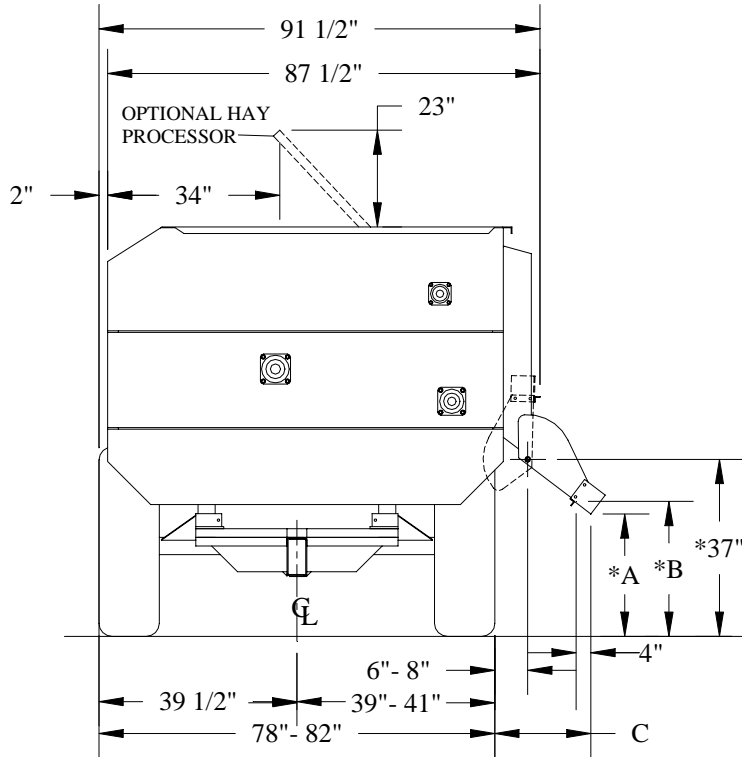
All Dimensions & Specifications are Approximate and Subject to Change Without Notice.

# 274-12 STATIONARY DIMENSIONS 4 POINT SCALE FRAME with LOAD CELLS



All Dimensions & Specifications are Approximate and Subject to Change Without Notice.

## 274-12 TRAILER DIMENSIONS

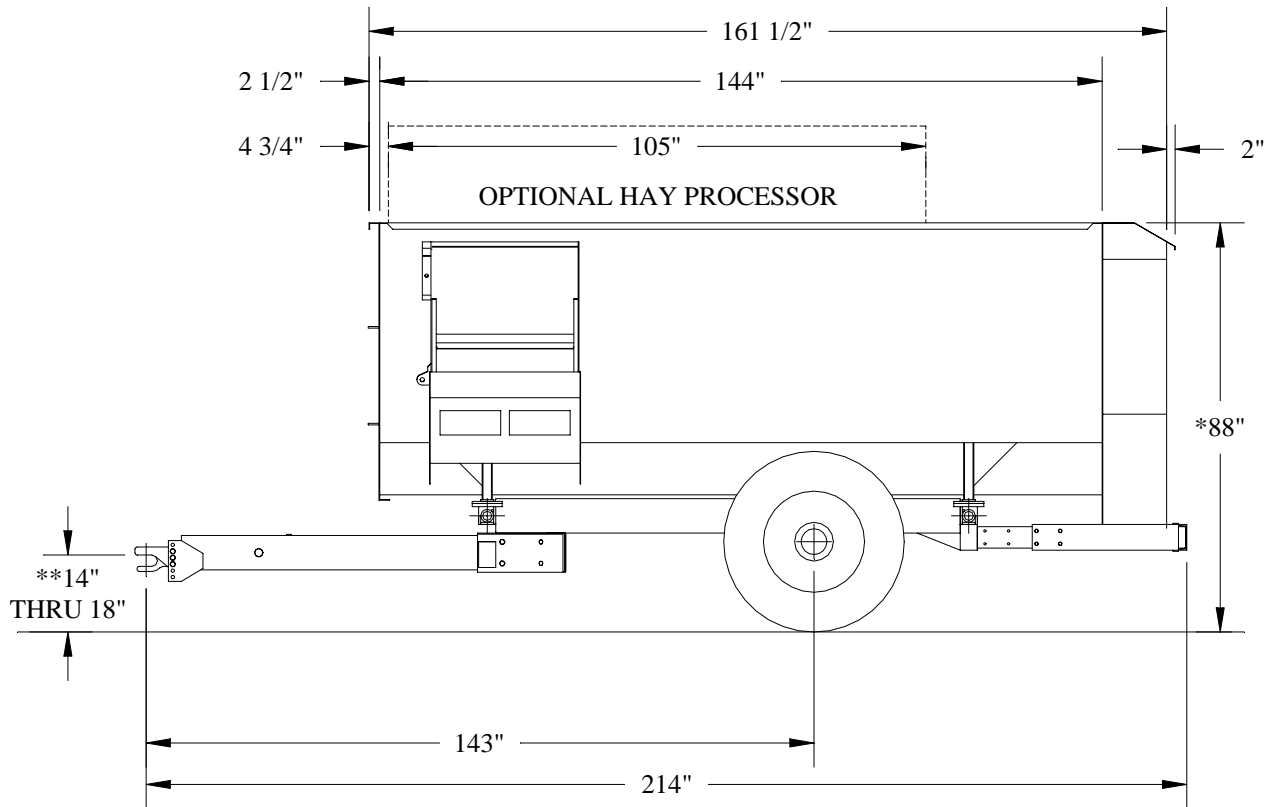


255R 70 22.5 TIRES  
ARE STANDARD

INCREASE DIMENSIONS BY 7"  
WHEN OPTIONAL 11:00 x 20  
TIRES WITH RISER BLOCKS  
ARE INSTALLED

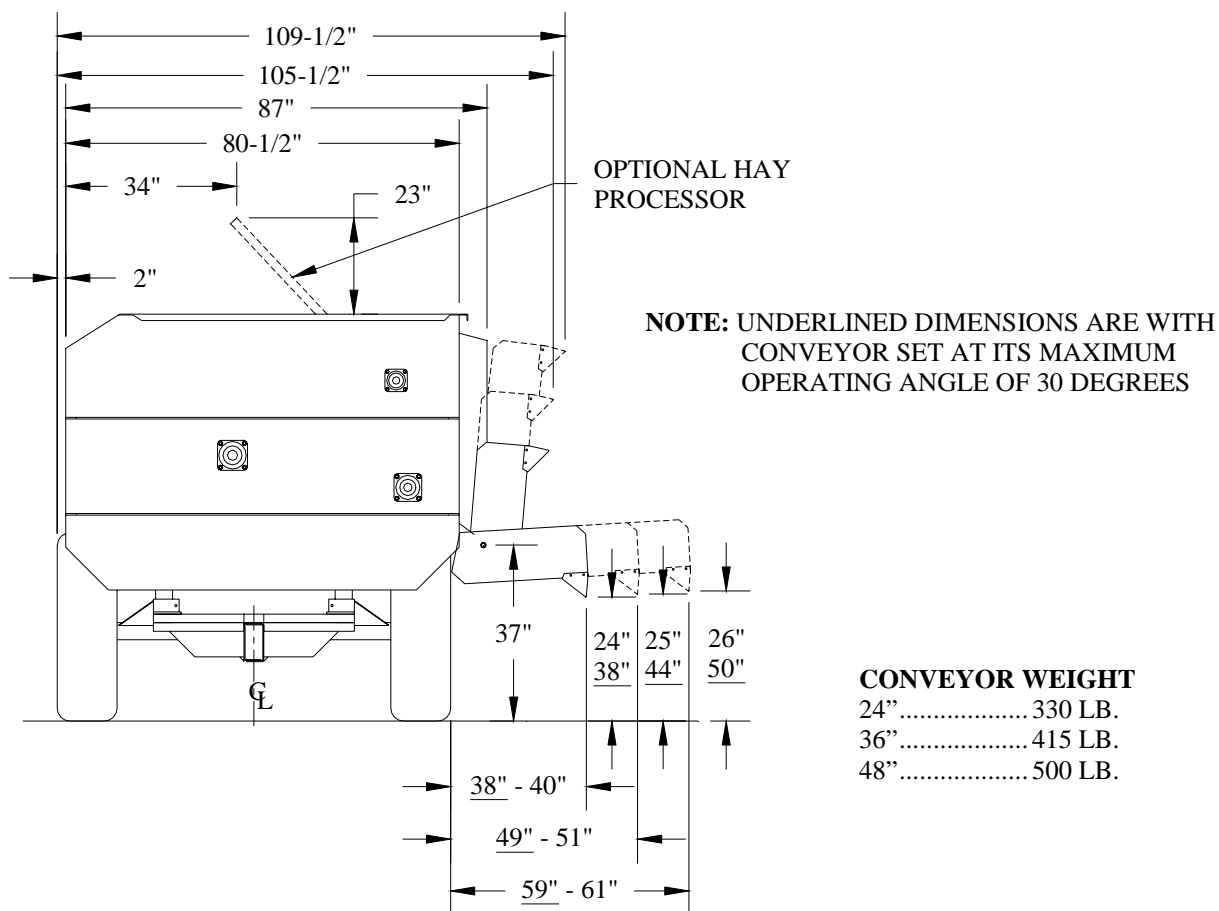
	12" SPOUT	17" SPOUT
A	29"	28"
B	32"	30"
C	17"-19"	22"-24"

APPROXIMATE WEIGHT  
274-12 ON TRAILER - 7,010LB  
WITH HAY PROCESSOR - 7,610LB

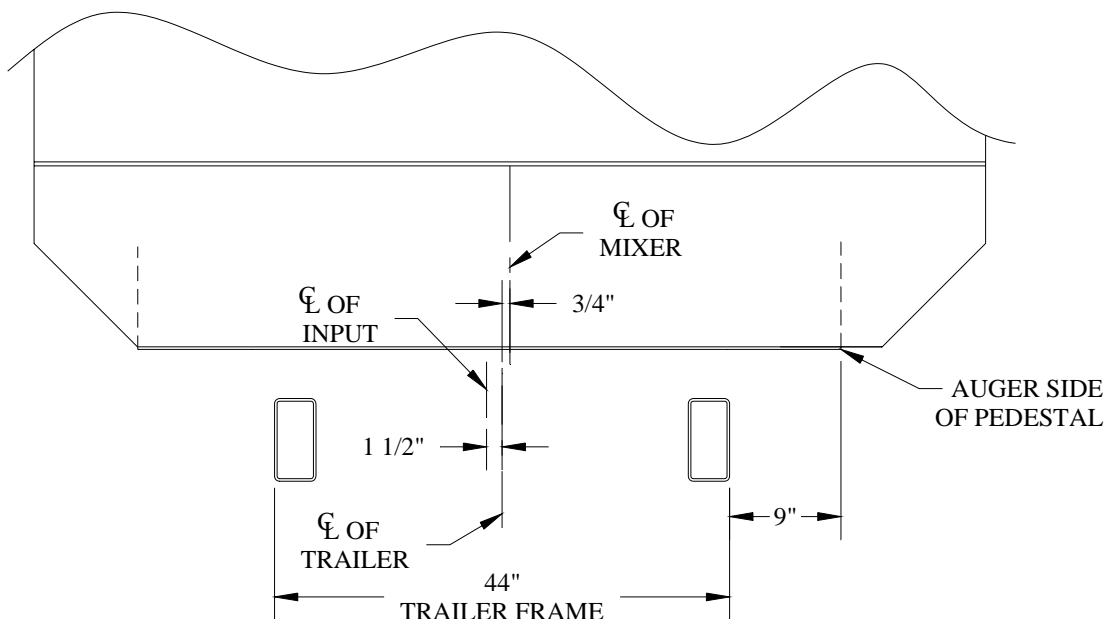


All Dimensions & Specifications are Approximate and Subject to Change Without Notice

## 274-12 TRAILER DIMENSIONS (WITH CONVEYOR)

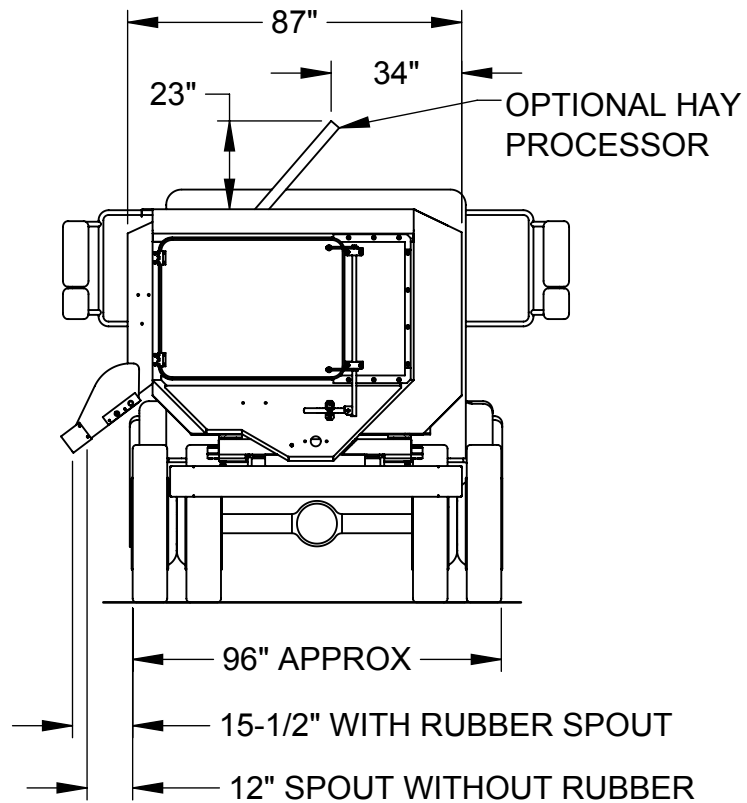
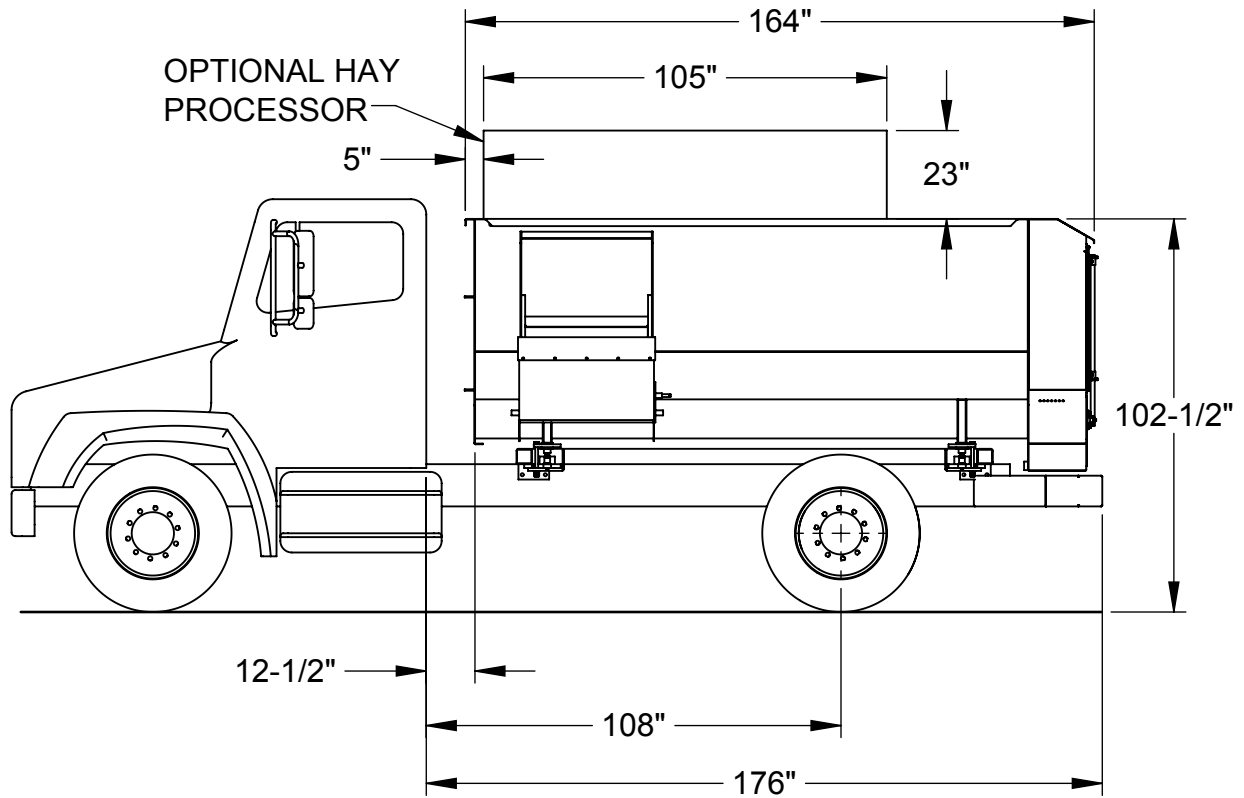


## 274-12 TRAILER MOUNTING DIMENSIONS



All Dimensions & Specifications are Approximate and Subject to Change Without Notice

# 274-12 TRUCK DIMENSIONS



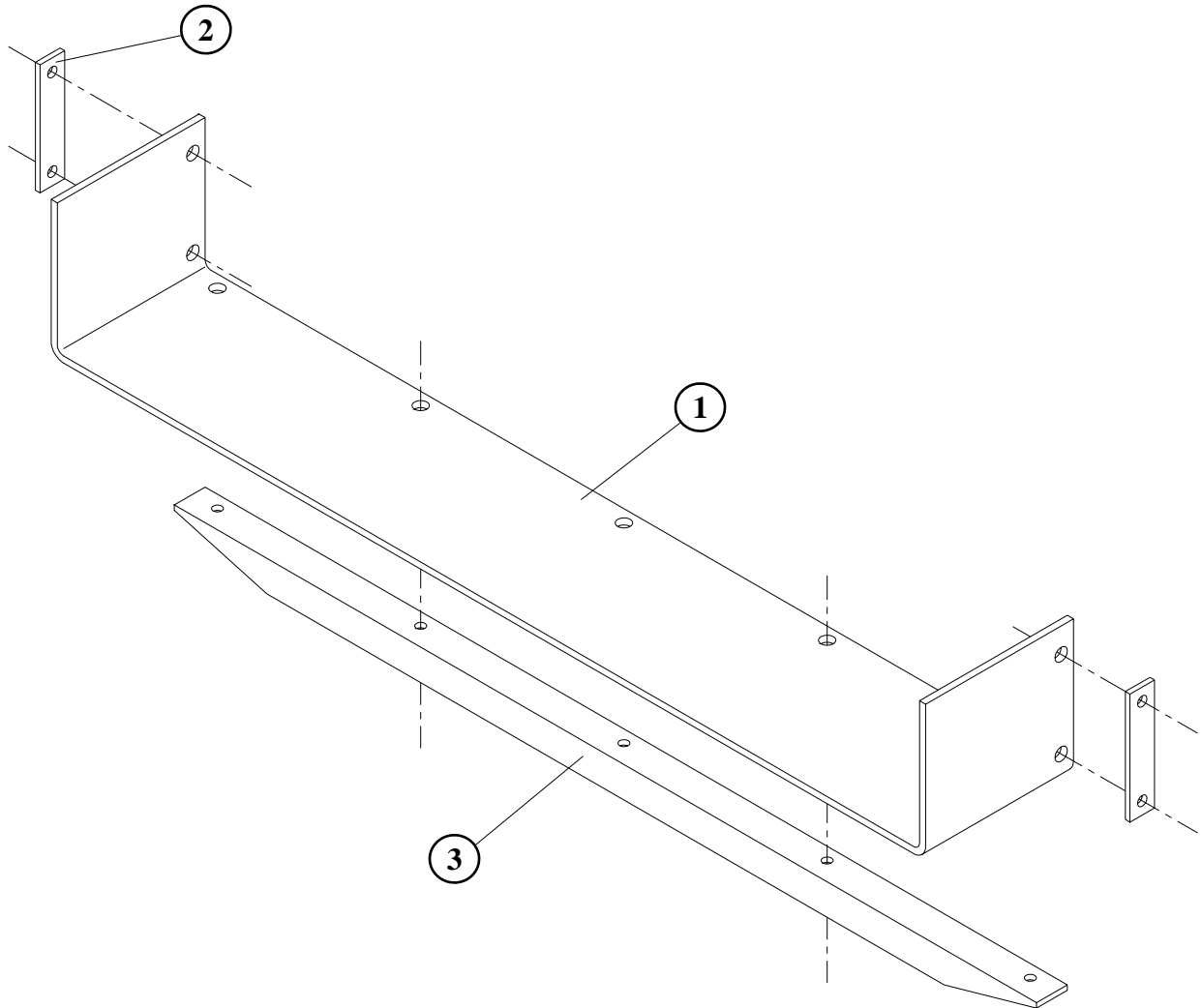
All Dimensions & Specifications are Approximate and Subject to Change Without Notice.



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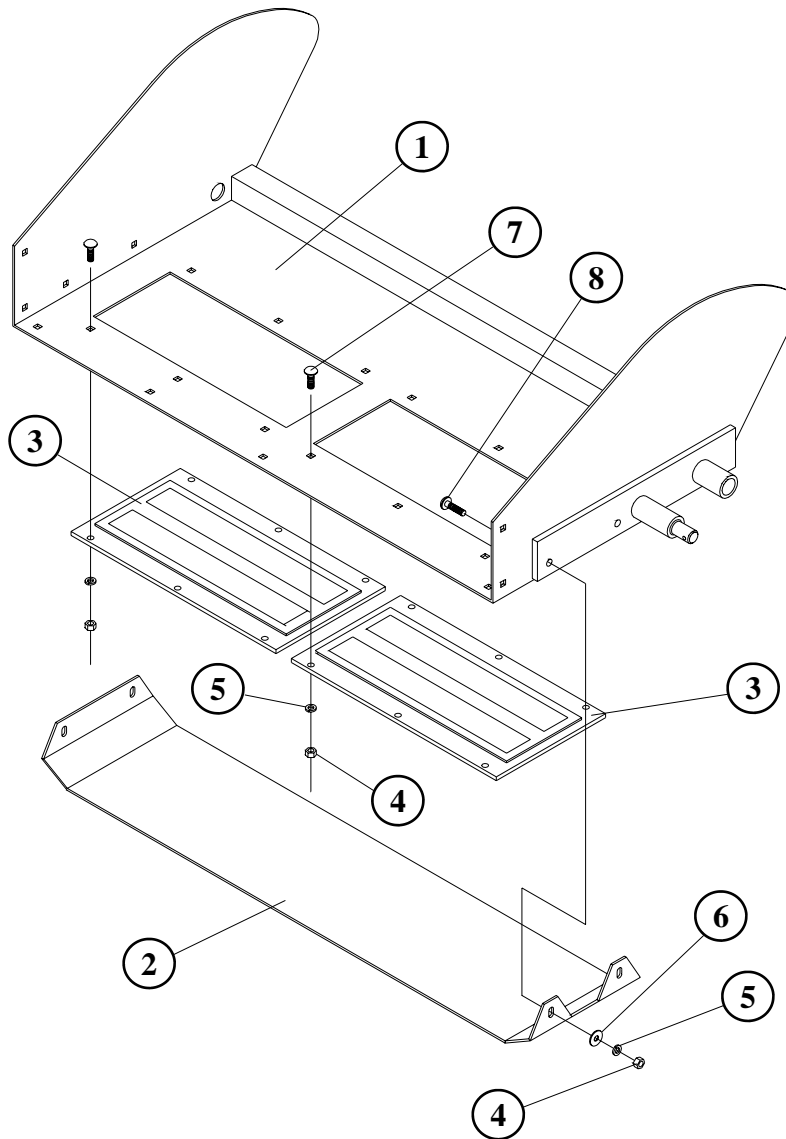
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# SPOUT RUBBER



REF. NO	PART NO.	DESCRIPTION	QTY.
1	150161	SPOUT RUBBER.....	1
2	150150	SPOUT RUBBER END PLATE .....	2
3	187274	SPOUT BACK-UP ANGLE.....	1

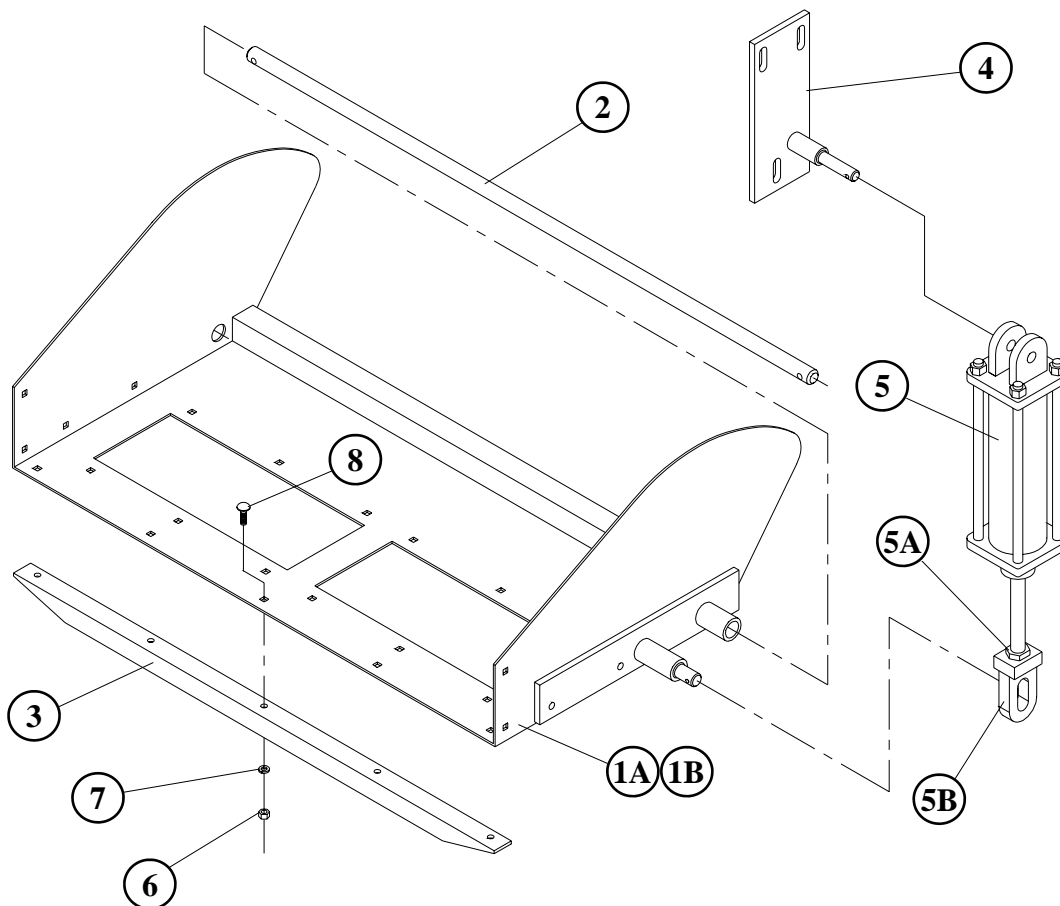
## SPOUT MAGNET ASSEMBLY



REF. NO	PART NO.	DESCRIPTION	QTY.
1	850052	12" SPOUT WELDMENT .....	1
	850084	17" SPOUT WELDMENT .....	1
2	150159	SPOUT MAGNET GUARD .....	1
3	375004	AM 1500 ARCO MAGNET.....	2
4	400205	5/16"-18 HEX NUT.....	16
5	402005	5/16" SPLIT LOCKWASHER.....	16
6	402405	5/16"USS FLAT WASHER .....	4
7	407021	5/16"-18 x 1" CARRIAGE BOLT.....	12
8	407022	5/16"-18 x 1-1/4" CARRIAGE BOLT.....	4

# 17" SPOUT ASSEMBLY

#750028..... 17" SPOUT ASSY WITH MAGNET  
 #750029..... 17" SPOUT ASSY NO MAGNET

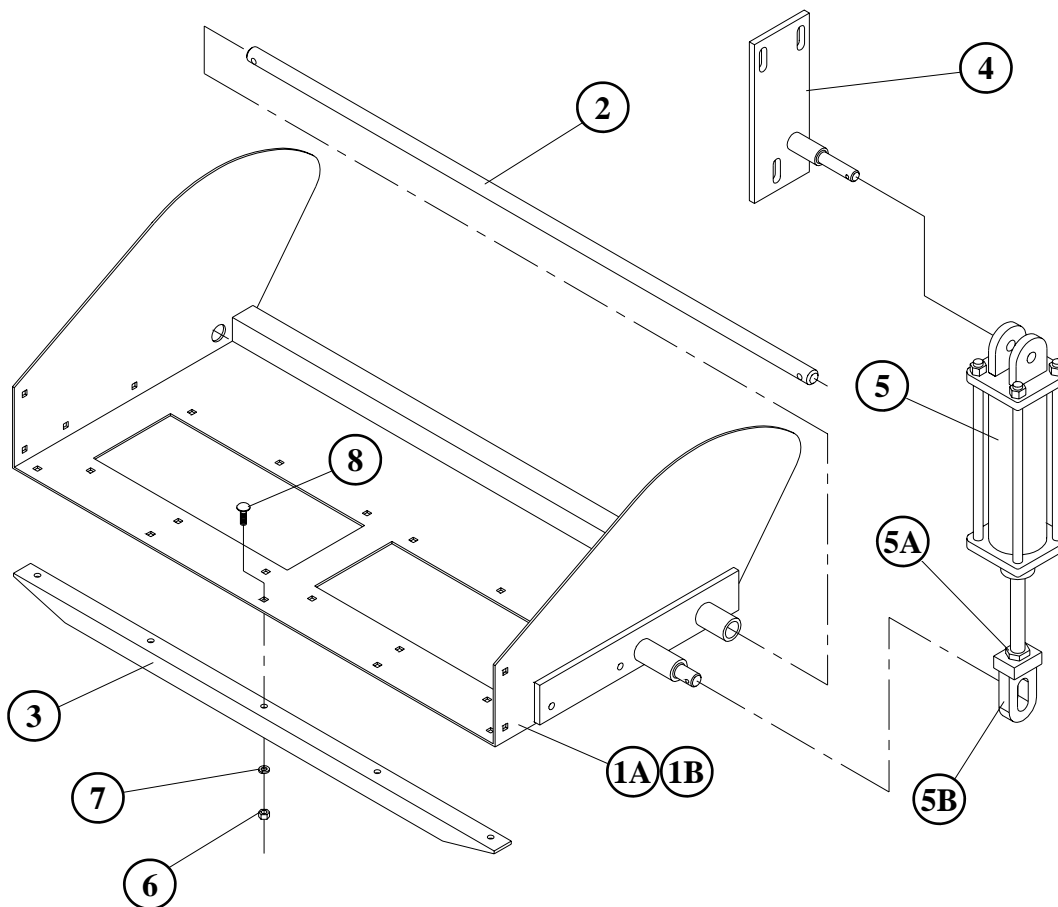


REF. NO	PART NO.	DESCRIPTION	QTY.
1A	850084	17" SPOUT WELDMENT - WITH MAGNET HOLES .....	1
1B	850085	17" SPOUT WELDMENT - NO MAGNET HOLES .....	1
2	150160	SPOUT PIVOT TUBE.....	1
3	187274	SPOUT BACK-UP ANGLE.....	1
4	850050	SPOUT CYLINDER TOP BRACKET WELDMENT .....	1
5	750019	1-1/2" x 8" SPOUT CYLINDER ASSEMBLY .....	1
5A	400712	3/4"-16 HEX JAM NUT.....	1
5B	850053	SPOUT CYLINDER LUG .....	1
6	400205	5/16"-18 HEX NUT.....	5
7	402005	5/16" SPLIT LOCKWASHER.....	5
8	407021	5/16"-18 x 1" CARRIAGE BOLT.....	5

# 12" SPOUT ASSEMBLY

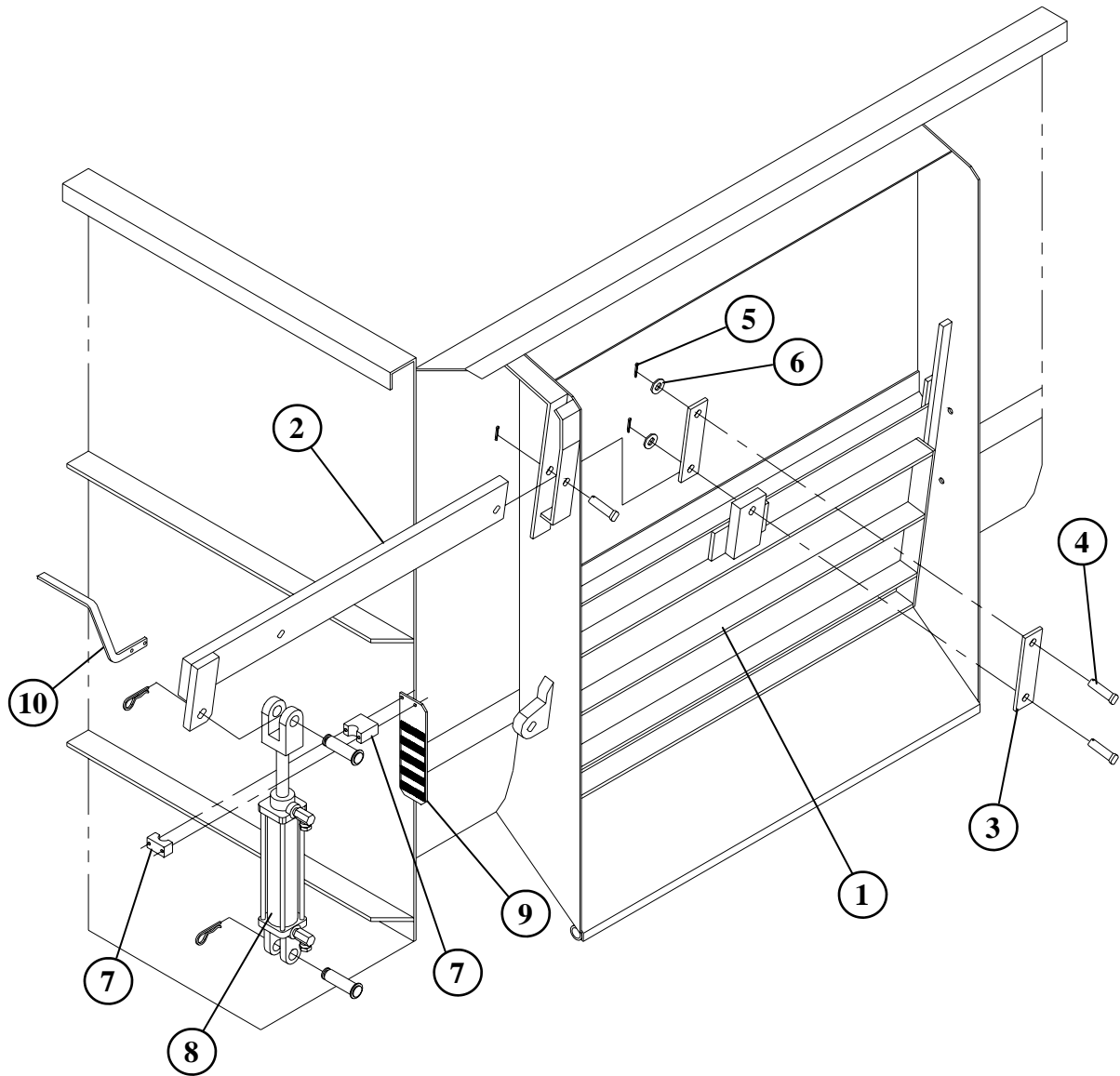
#750013..... 12" SPOUT ASSY WITH MAGNET

#750014..... 12" SPOUT ASSY NO MAGNET



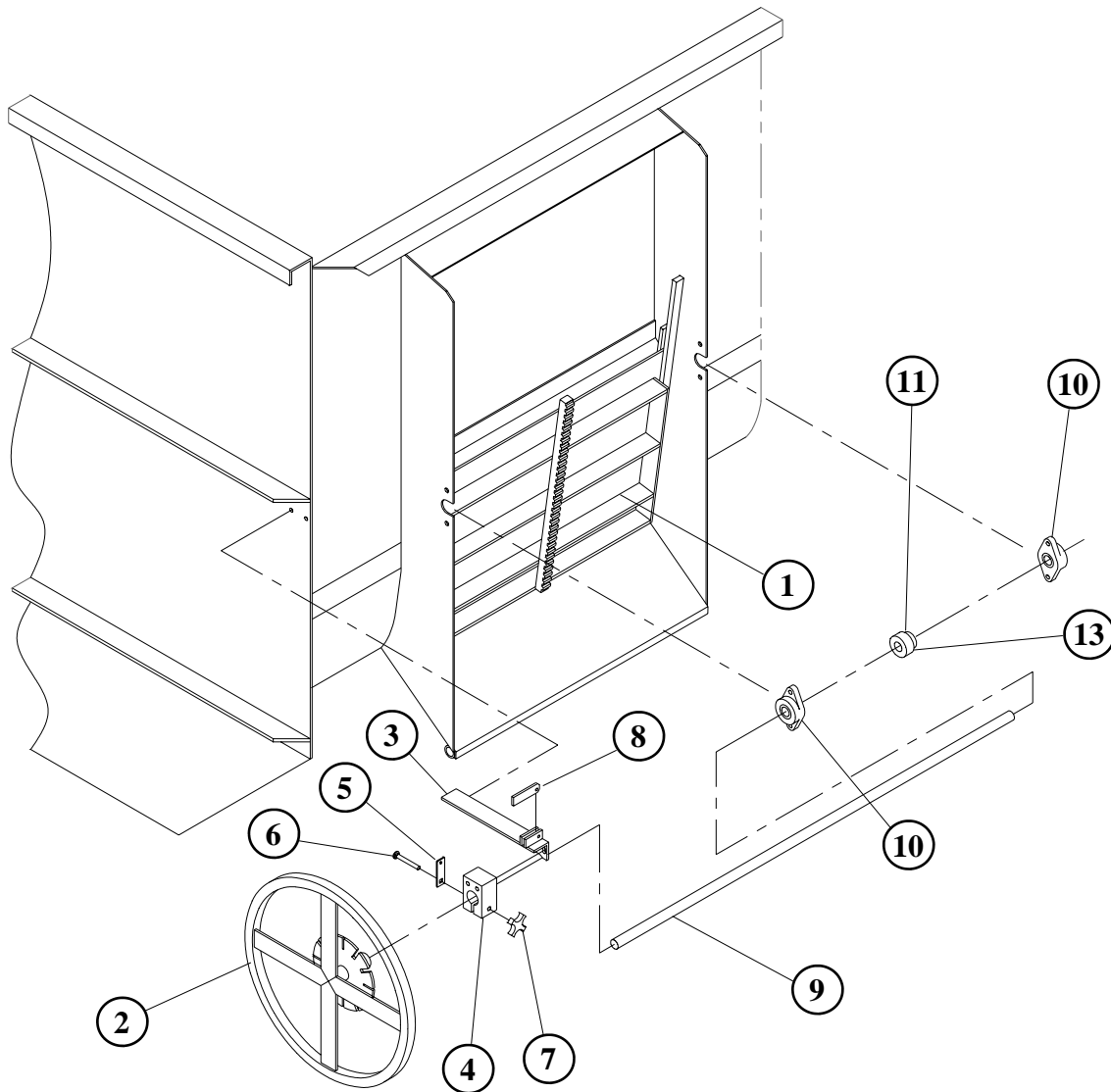
REF. NO	PART NO.	DESCRIPTION	QTY.
1A	850052	12" SPOUT WELDMENT - WITH MAGNET HOLES .....	1
1B	850071	12" SPOUT WELDMENT - NO MAGNET HOLES .....	1
2	150160	SPOUT PIVOT TUBE.....	1
3	187274	SPOUT BACK-UP ANGLE.....	1
4	850050	SPOUT CYLINDER TOP BRACKET WELDMENT .....	1
5	750019	1-1/2" x 8" SPOUT CYLINDER ASSEMBLY .....	1
5A	400712	3/4"-16 HEX JAM NUT.....	1
5B	850053	SPOUT CYLINDER LUG .....	1
6	400205	5/16"-18 HEX NUT.....	5
7	402005	5/16" SPLIT LOCKWASHER.....	5
8	407021	5/16"-18 x 1" CARRIAGE BOLT.....	5

## 274-12 DISCHARGE DOOR ASSEMBLY



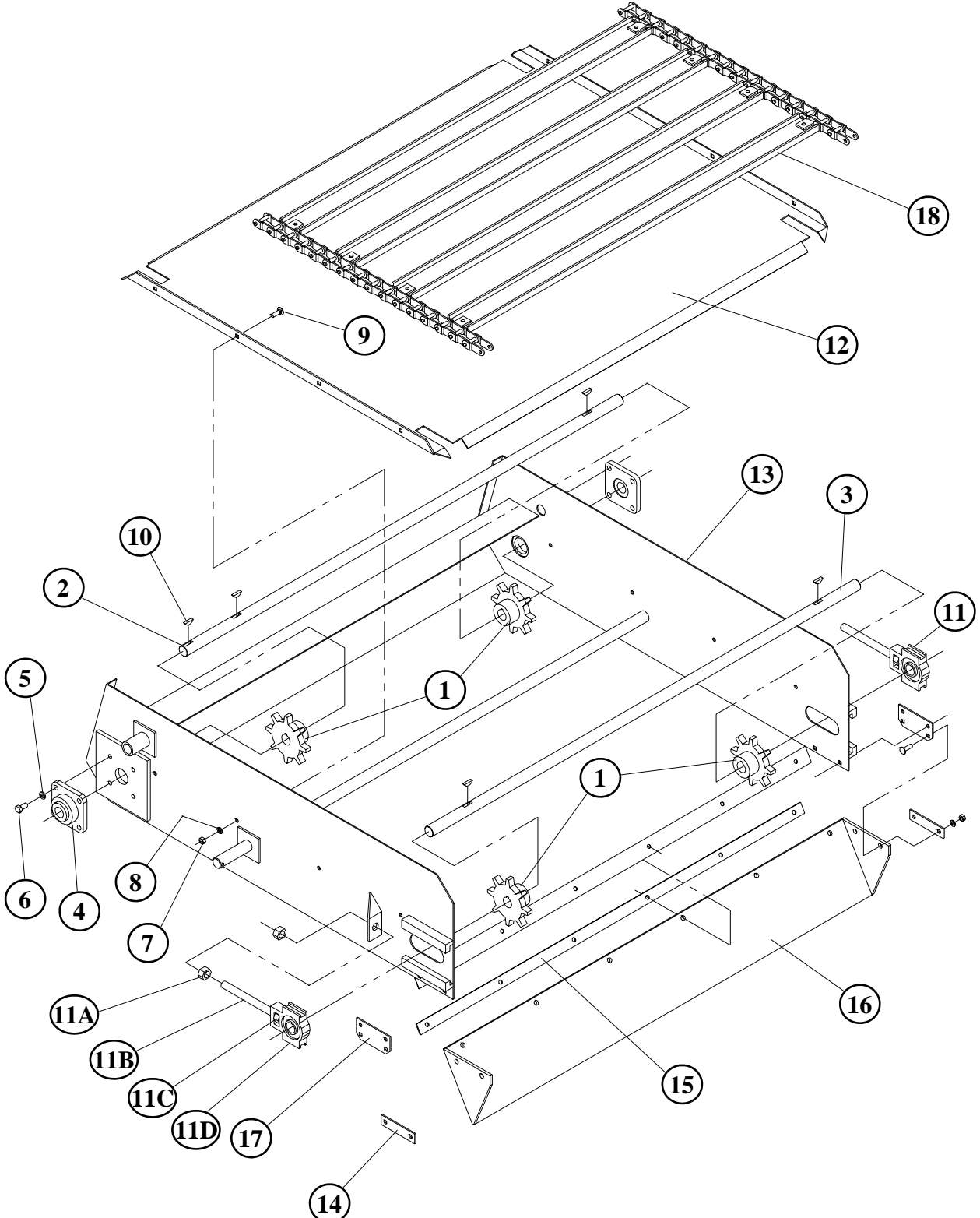
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850189	DISCHARGE DOOR WELDMENT .....	1
2	850186	DOOR LEVER ARM WELDMENT .....	1
3	150049	DOOR ARM.....	2
4	404350	CLEVIS PIN 3/4" X 2" .....	3
5	404003	COTTER PIN 5/32" X 1 1/4".....	3
6	402512	FLAT WASHER 3/4" SAE .....	3
7	184267	DOOR CYLINDER MARKER CLAMP .....	1
8	780109	HYDRAULIC CYLINDER 2" X 8" <b>(WITH FITTINGS)</b> .....	1
A	364055	HYDRAULIC CYLINDER 2" X 8" <b>(CYLINDER ONLY)</b> .....	1
B	364954	HYDRAULIC CYLINDER ROD 2" X 8" X 1 1/16" .....	1
C	364400	HYDRAULIC CYLINDER 2" REPAIR KIT .....	1
9	184259	DOOR CYLINDER MARKER PLATE <b>(TRUCK)</b> .....	1
10	150385	DOOR MARKER BAR <b>(TRAILER)</b> .....	1

## 274-12 HAND WHEEL ASSEMBLY



REF. NO	PART NO.	DESCRIPTION	QTY.
1	850206	STATIONARY DOOR WELDMENT.....	1
2	872030	HAND WHEEL WELDMENT.....	1
3	872349	BEARING BRAKE MOUNT WELDMENT.....	1
4	189105	BEARING BRAKE BLOCK UHMW .....	1
5	189106	HAND KNOB BOLT SUPPORT.....	1
6	407047	CARRIAGE BOLT 3/8"-16 X 3".....	1
7	410305	HAND KNOB.....	1
8	189112	BRAKE ARM.....	1
9	150581	HAND WHEEL SHAFT .....	1
10	340216	FLANGE BEARING VCJT 1" 2-BOLT.....	2
11	185114	GEAR S1020 X 1" BORE.....	1

# CHAIN CONVEYOR ASSEMBLY



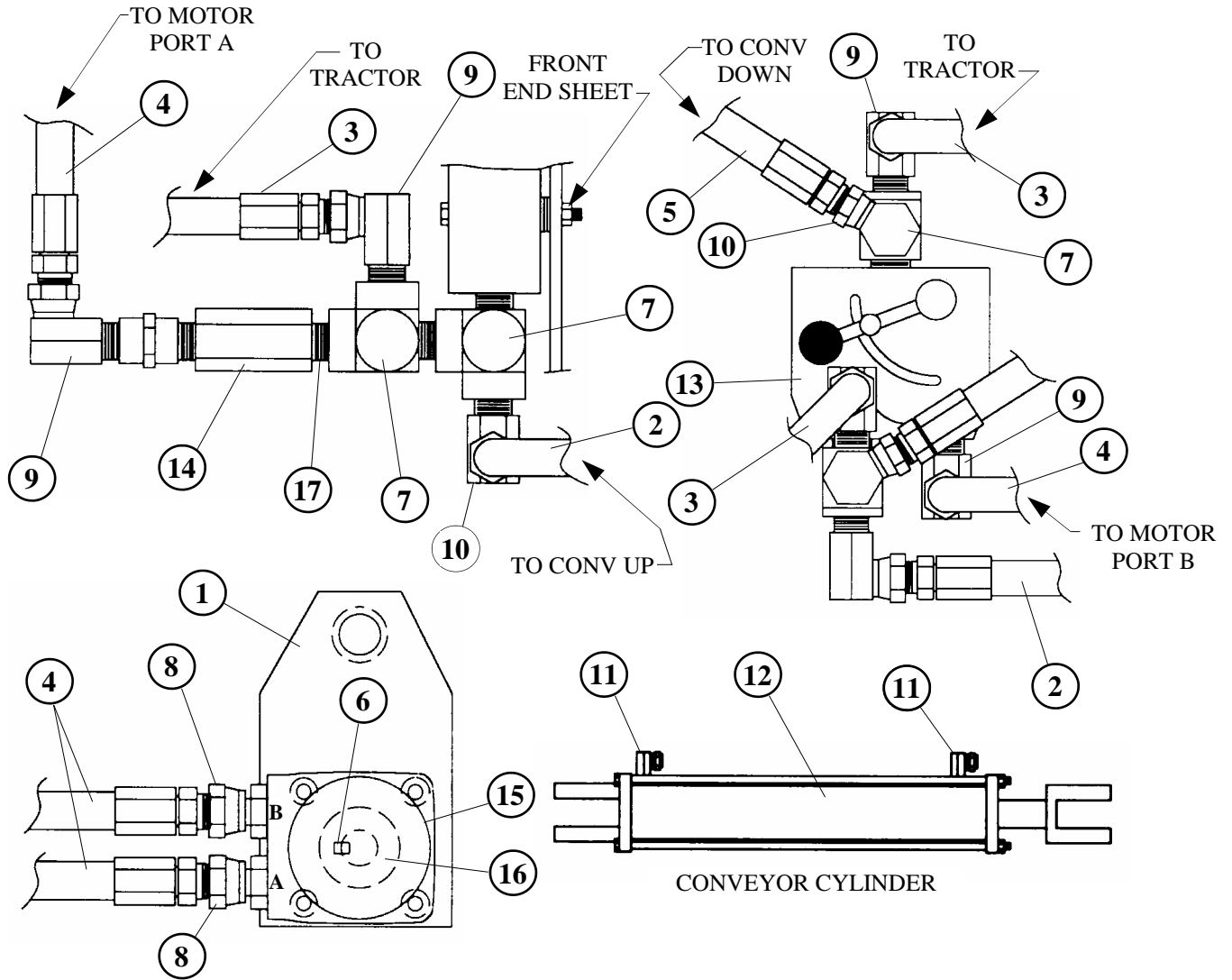


## CHAIN CONVEYOR ASSEMBLY

#781411.....24”L x 36”W CONVEYOR ASSEMBLY  
 #781410.....36”L x 36”W CONVEYOR ASSEMBLY  
 #781412.....48”L x 36”W CONVEYOR ASSEMBLY

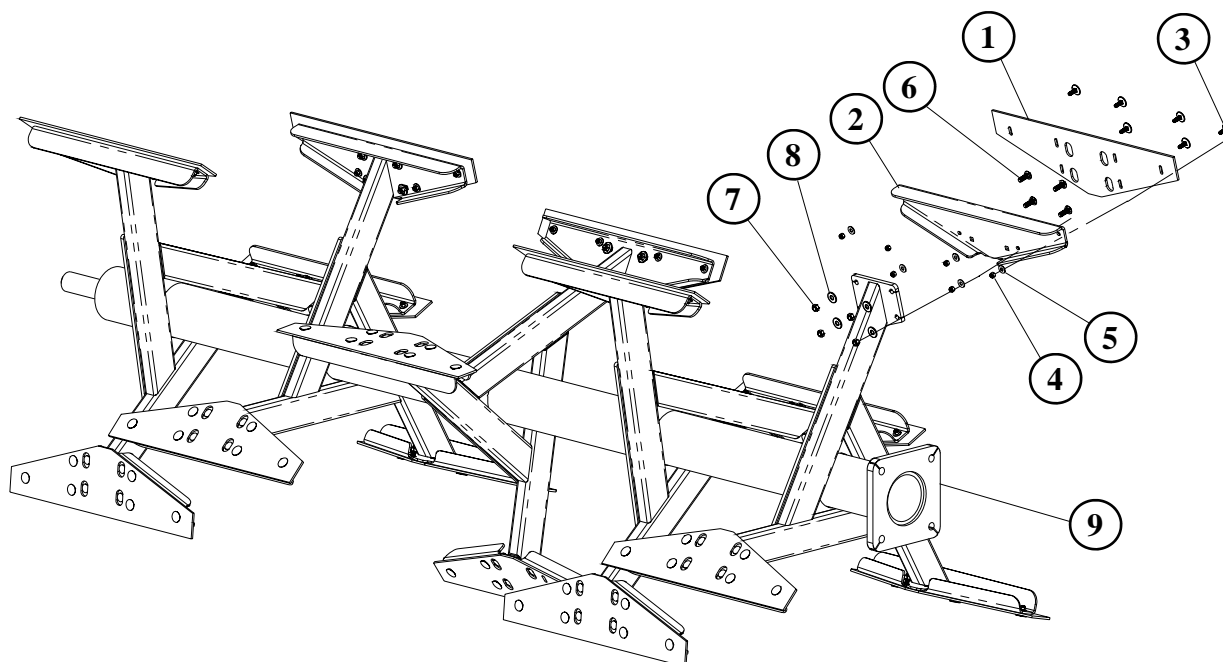
REF. NO	PART NO.	DESCRIPTION	QTY.
1	160025	8 TOOTH #55 SPROCKET x 1”ID .....	4
2	188412	36”W CONVEYOR DRIVE SHAFT.....	1
3	188413	36”W CONVEYOR IDLER SHAFT .....	1
4	340316	RCJC 1” 4-BOLT FLANGE BEARING.....	2
5	402006	3/8” SPLIT LOCKWASHER .....	8
6	405652	3/8”-16 x 3/4” HHCS.....	8
7	400205	5/16”-18 HEX NUT .....	20
8	402005	5/16” SPLIT LOCKWASHER .....	0
9	407021	5/16”-18 x 1” CARRIAGE BOLT.....	20
10	409916	1/4” x 1” WOODRUFF KEY .....	4
11	760000	TAKE-UP BEARING ASSEMBLY .....	2
A	400210	5/8”-11 HEX NUT .....	6
B	188390	CONVEYOR TAKE-UP BOLT.....	2
C	400810	5/8”-11 UNILOCK.....	2
D	341323	BEARING 1” TAKEUP .....	2
12	874114	24”L x 36”W CONVEYOR PAN WELDMENT	
	874110	36”L x 36”W CONVEYOR PAN WELDMENT	
	874118	48”L x 36”W CONVEYOR PAN WELDMENT.....	1
13	874116	24”L x 36”W CONVEYOR WELDMENT	
	874112	36”L x 36”W CONVEYOR WELDMENT	
	874120	48”L x 36”W CONVEYOR WELDMENT.....	1
14	188304	CONVEYOR SPOUT RUBBER BAR - 4” .....	2
15	188302	CONVEYOR SPOUT RUBBER BAR - 34-1/2”.....	1
16	188417	36”W CONVEYOR SPOUT RUBBER.....	1
17	188418	CONVEYOR SPOUT RUBBER SIDE BAR .....	2
18	874115	24”L x 36”W CONV. D662 CHAIN WELDMENT	
	874111	36”L x 36”W CONV. D662 CHAIN WELDMENT	
	874119	48”L x 36”W CONV. D662 CHAIN WELDMENT.....	1

## CHAIN CONVEYOR HYDRAULIC ASSEMBLY



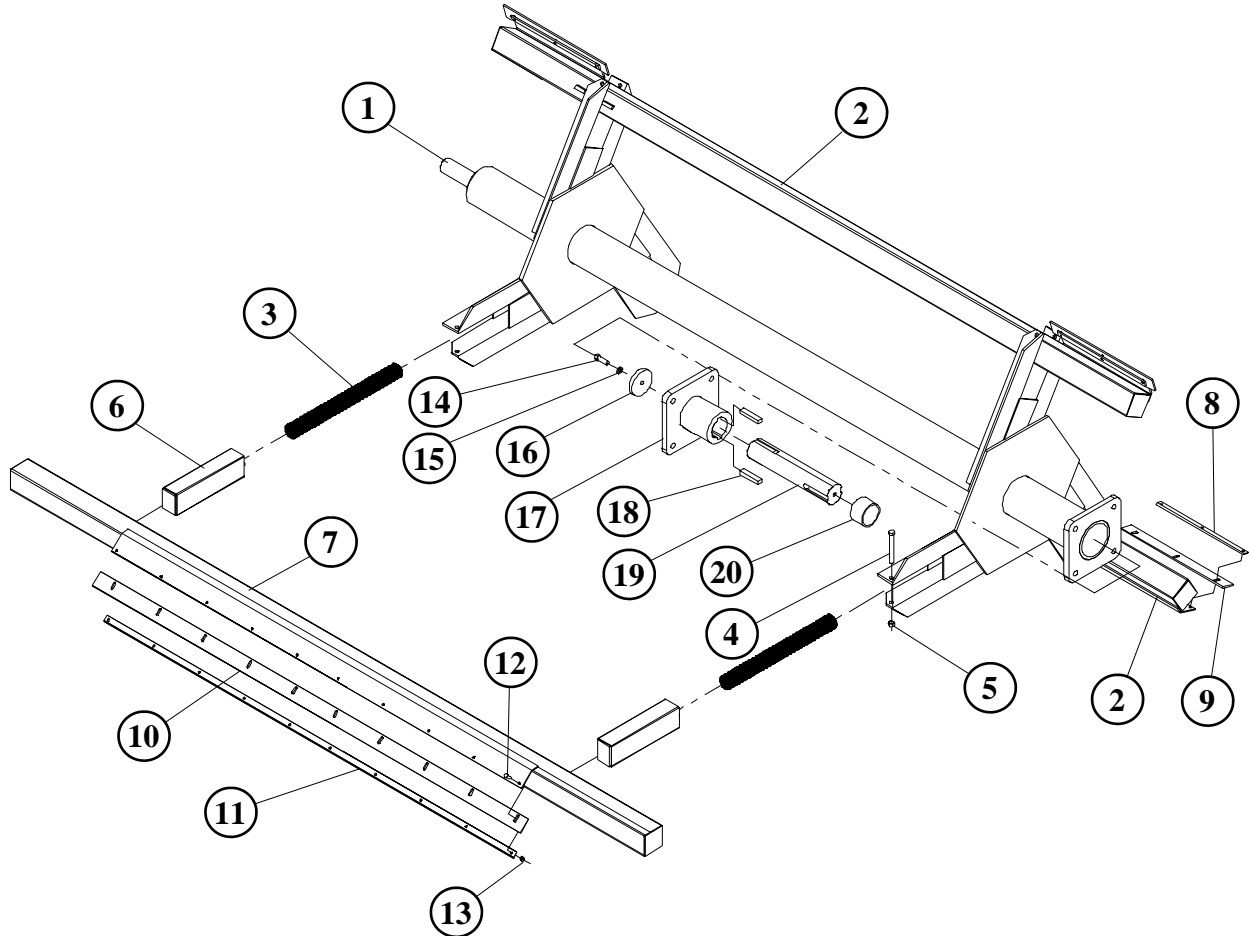
REF. NO	PART NO.	DESCRIPTION	QTY.
1	874071	CONVEYOR MOTOR PLATE WELDMENT .....	1
2	781329	3/8" X 125" HYD. HOSE ASSY. (3/8"MP ENDS).....	1
3	781328	1/2" X 128" HYD. HOSE ASSY. (1/2"MP ENDS).....	2
4	781327	1/2" X 56" HYD. HOSE ASSY (1/2"MP ENDS).....	2
5	781326	3/8" X 112" HYD. HOSE ASSY. (3/8"MP ENDS).....	1
6	409916	1/4" X 1" WOODRUFF KEY .....	1
7	368608	1/2"MP X 1/2"FP X 1/2"FP TEE .....	3
8	368118	7/8" MOR X 1/2"FPSW .....	2
9	368031	1/2"MP X 1/2"FPSW 90° .....	4
10	368028	1/2" X 3/8"FPSW .....	2
11	368007	3/8"MP X 3/8"FPSW 90° .109" ORFICE .....	2
12	364060	2" X 16" HYDRAULIC CYLINDER.....	1
13	362283	HYDRAULIC FLOW CONTROL VALVE .....	1
14	362240	1/2"FP X 1/2"FP BALL CHECK VALVE .....	1
15	360009	9.7 CI HYDRAULIC MOTOR .....	1
	360010	5.9 CI HYDRAULIC MOTOR (24" CONVEYOR).....	1
16	332654	1"ID X 2"OD X 3"LTB CPLG W/1/4" KEY.....	1
17	310805	1/2" CLOSE NIPPLE .....	1

## 274-12 STAGGERED ROTOR ASSEMBLY



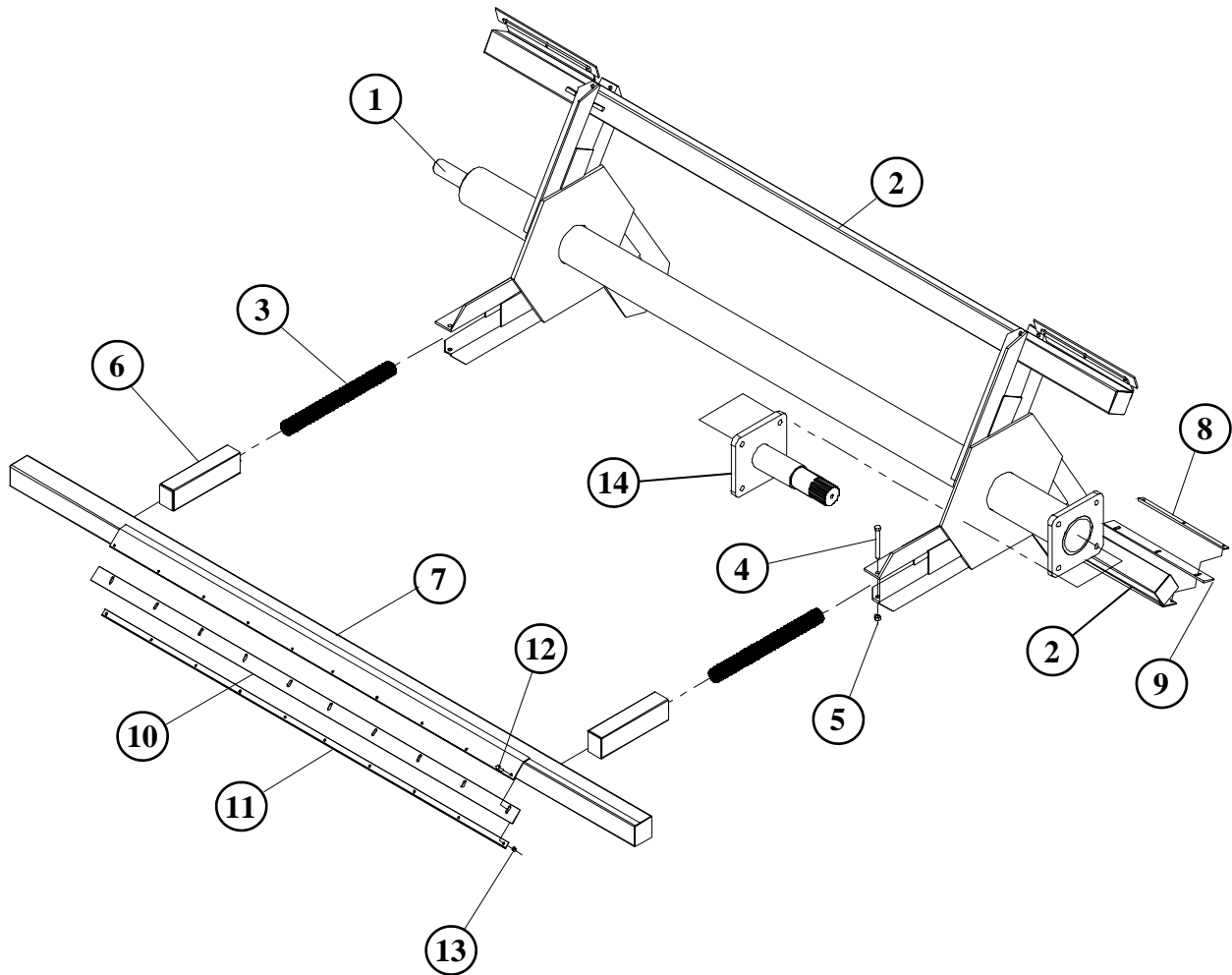
REF. NO	PART NO.	DESCRIPTION	QTY.
1	190473P	PLASTIC WIPER 7-7/8" x 31".....	15
2	190474	WIPER CHANNEL 10-3/16" x 27-3/4" .....	15
3	407322	ELEVATOR BOLT 3/8" X 1-1/4" PLTD.....	90
4	401106	3/8"-16 HEX NYLOCK NUT #5 PLTD .....	90
5	402406	FLAT WASHER, 3/8" ID x 1" OD.....	90
6	407102	CARRIAGE BOLT 3/8"-13 x 1-1/2" .....	60
7	400908	1/2"-13 HEX CTR LOCKNUT .....	60
8	402408	FLAT WASHER, 1/2" ID x 1-3/8" OD .....	60
9	850608	274-12 STAGGERED ROTOR WA.....	1

**3 ARM ROTOR ASSEMBLY  
BEFORE SERIAL #890473441**



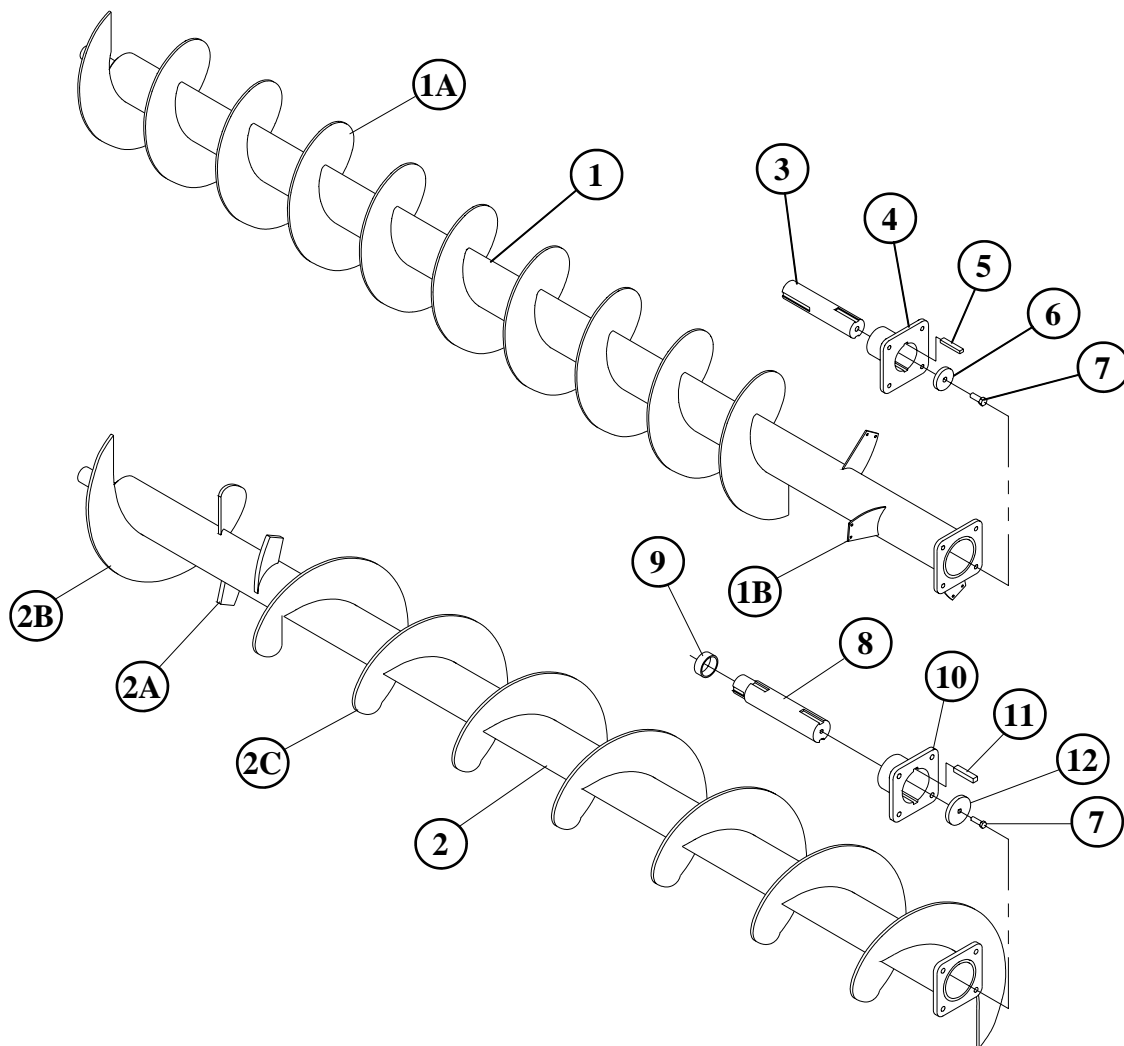
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850236	3 ARM ROTOR WELDMENT.....	1
2	850304	END WIPER WELDMENT.....	2
3	410005	COMPRESSION SPRING, 2-1/2" x 24" x .410".....	6
4	405765	HHCS, 5/8"-11 x 5-1/2".....	6
5	400910	5/8"-11 HEX CTR LOCKNUT.....	6
6	850007	ROTOR SPRING COVER WELDMENT.....	6
7	850547	CENTER WIPER WELDMENT.....	1
8	150014	END WIPER STRAP.....	4
9	150016	END PLASTIC WIPER.....	4
10	150015	CENTER PLASTIC WIPER.....	1
11	150013	CENTER WIPER STRAP.....	1
12	405654	HHCS, 3/8-16 x 1-1/4".....	22
13	401106	NYLOCK HEX NUT, 3/8"-16.....	22
14	405754	HHCS, 5/8"-11 X 2".....	1
15	402010	LOCKWASHER, 5/8".....	1
16	185329	RETAINER, 4-1/2".....	1
17	850010	ROTOR HUB WELDMENT.....	1
18	150081	RECT. KEY, 5/8" x 7/8" x 4".....	2
19	150025	ROTOR DRIVESHAFT.....	1
20	150031	ROTOR HUB SPACER SLEEVE.....	1

**3 ARM ROTOR ASSEMBLY  
FROM SERIAL #890473441**



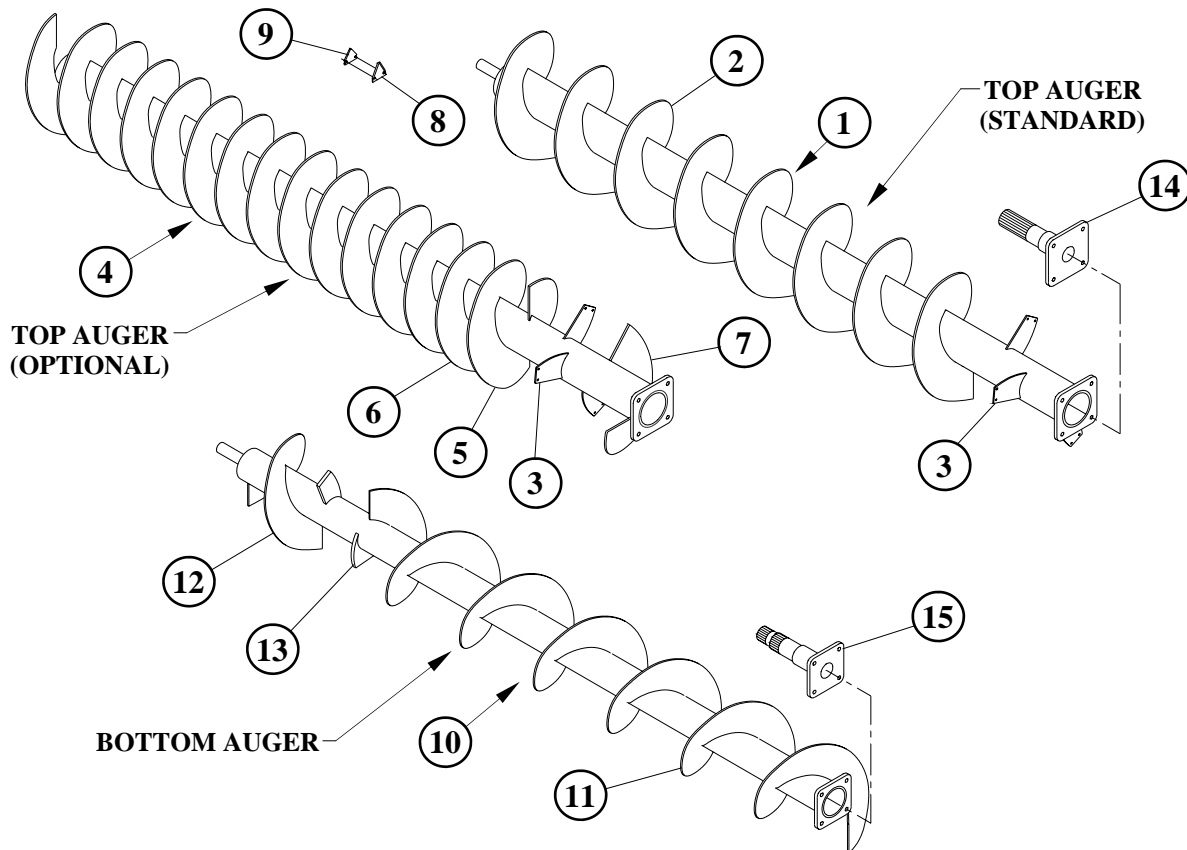
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850236	3 ARM ROTOR WELDMENT.....	1
2	850304	END WIPER WELDMENT.....	2
3	410005	COMPRESSION SPRING, 2-1/2" x 24" x .410" .....	6
4	405765	HHCS, 5/8"-11 x 5-1/2" .....	6
5	400910	HEX CTR LOCKNUT, 5/8"-11 .....	6
6	850007	ROTOR SPRING COVER WELDMENT .....	6
7	850547	CENTER WIPER WELDMENT.....	1
8	150014	END WIPER STRAP .....	4
9	150016	END PLASTIC WIPER.....	4
10	150015	CENTER PLASTIC WIPER .....	1
11	150013	CENTER WIPER STRAP.....	1
12	405654	HHCS, 3/8"-16 x 1-1/4" .....	22
13	401106	HEX NYLOCK NUT, 3/8"-16 .....	22
14	850502	ROTOR SHAFT & FLANGE WELDMENT .....	1

**274-12 TOP & BOTTOM AUGER ASSEMBLIES  
BEFORE SERIAL #890473441**



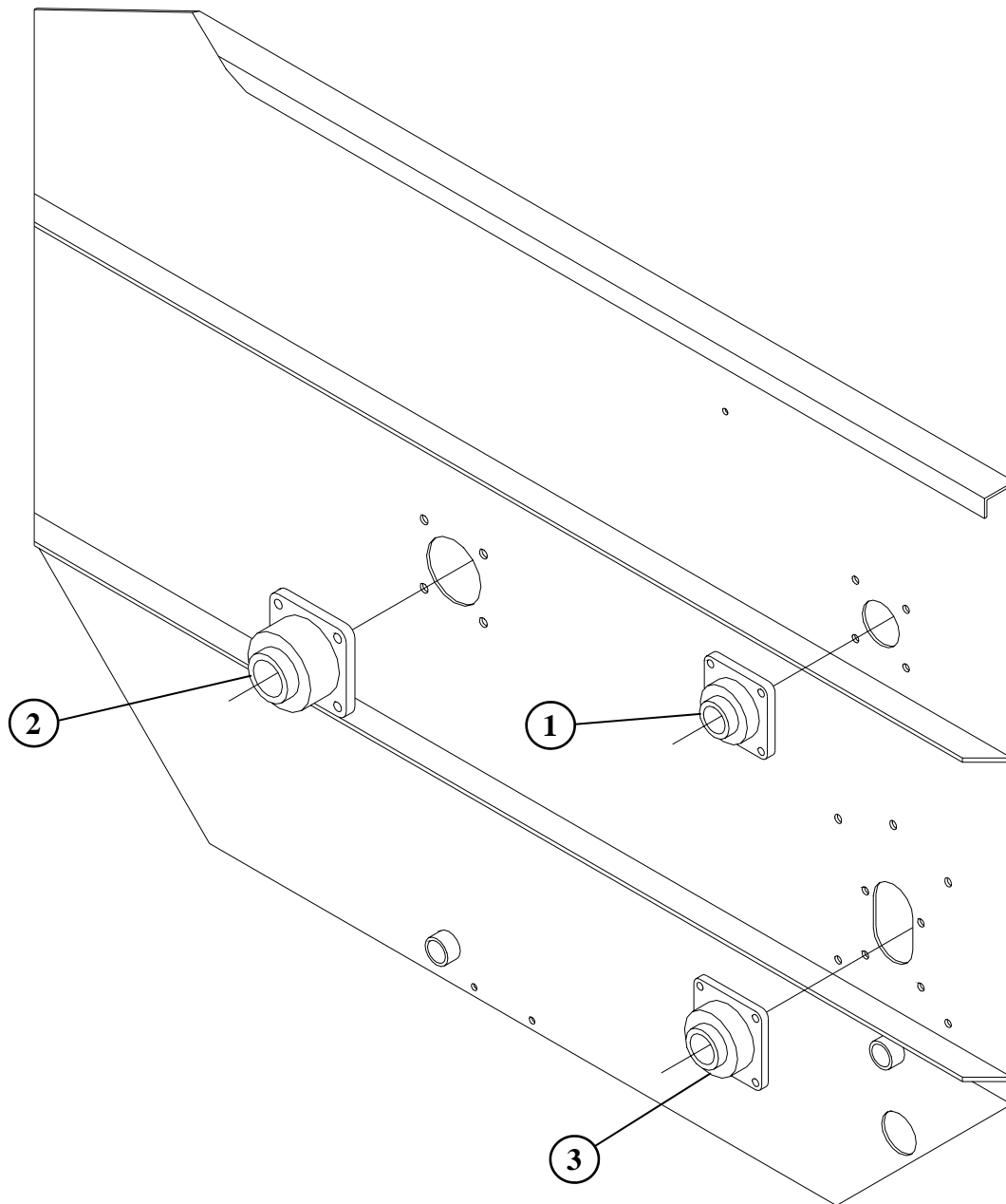
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850221	TOP AUGER WELDMENT .....	1
A	381612	FLIGHTING 16"OD x 5-9/16"ID x 1/4" RH.....	8
B	150537	TOP AUGER PADDLE .....	3
2	850223	BOTTOM AUGER WELDMENT.....	1
A	150519	16" AUGER KICKER.....	2
B	381616	FLIGHTING 16"OD x 5-9/16"ID x 3/8" RH.....	1
C	381617	FLIGHTING 16"OD x 5-9/16"ID x 3/8" LH.....	7
3	150037	TOP AUGER DRIVESHAFT .....	1
4	850018	TOP AUGER HUB WELDMENT.....	1
5	150077	RECT. KEY 1/2" x 5/8" x 4" .....	1
6	150127	SHAFT RETAINER 3-1/2"OD.....	1
7	405781	HHCS 3/4"-10 x 2" .....	2
8	150036	BOTTOM AUGER DRIVESHAFT .....	1
9	150630	HUB SPACER SLEEVE.....	1
10	850017	BOTTOM AUGER HUB WELDMENT .....	1
11	150080	RECT. KEY 1/2" x 3/4" x 3" .....	1
12	185329	RETAINER 4-1/2" .....	1

**274-12 TOP & BOTTOM AUGERS (STANDARD & OPTIONS)  
FROM SERIAL #890473441**



REF. NO	PART NO.	DESCRIPTION	QTY.
1	850221	TOP AUGER WA - 1/4" (STANDARD)	1
	850098	TOP AUGER WA - 3/8" (OPTIONAL)	1
2	381612	FLIGHTING 16"OD x 1/4" RH (STANDARD)	8
	381614	FLIGHTING 16"OD x 3/8" RH (OPTIONAL)	8
3	150537	PADDLE	3
4	850221B	TOP AUGER WA 3/8" DOUBLE FLIGHT (OPTIONAL)	1
5	381612	FLIGHTING 16"OD x 1/4" RH (OPTIONAL)	8
6	381614	FLIGHTING 16"OD x 3/8" RH (OPTIONAL)	8
7	381617	FLIGHTING 16"OD x 3/8" LH (OPTIONAL)	1/2
8	385002	KNIFE SECTION	26
9	150223	KNIFE BACK-UP PLATE	26
10	850223	BOTTOM AUGER WA - 3/8" (STANDARD)	1
	850099	BOTTOM AUGER WA - 1/2" (OPTIONAL)	1
11	381617	FLIGHTING 16"OD x 3/8" LH (STANDARD)	7
	381619	FLIGHTING 16"OD x 1/2" LH (OPTIONAL)	7
12	381616	FLIGHTING 16"OD x 3/8" RH (STANDARD)	1
	381618	FLIGHTING 16"OD x 1/2" RH (OPTIONAL)	1
13	150519	KICKER	2
14	850500	TOP AUGER SHAFT & FLANGE WA	1
15	850501	BOTTOM AUGER SHAFT & FLANGE WA	1

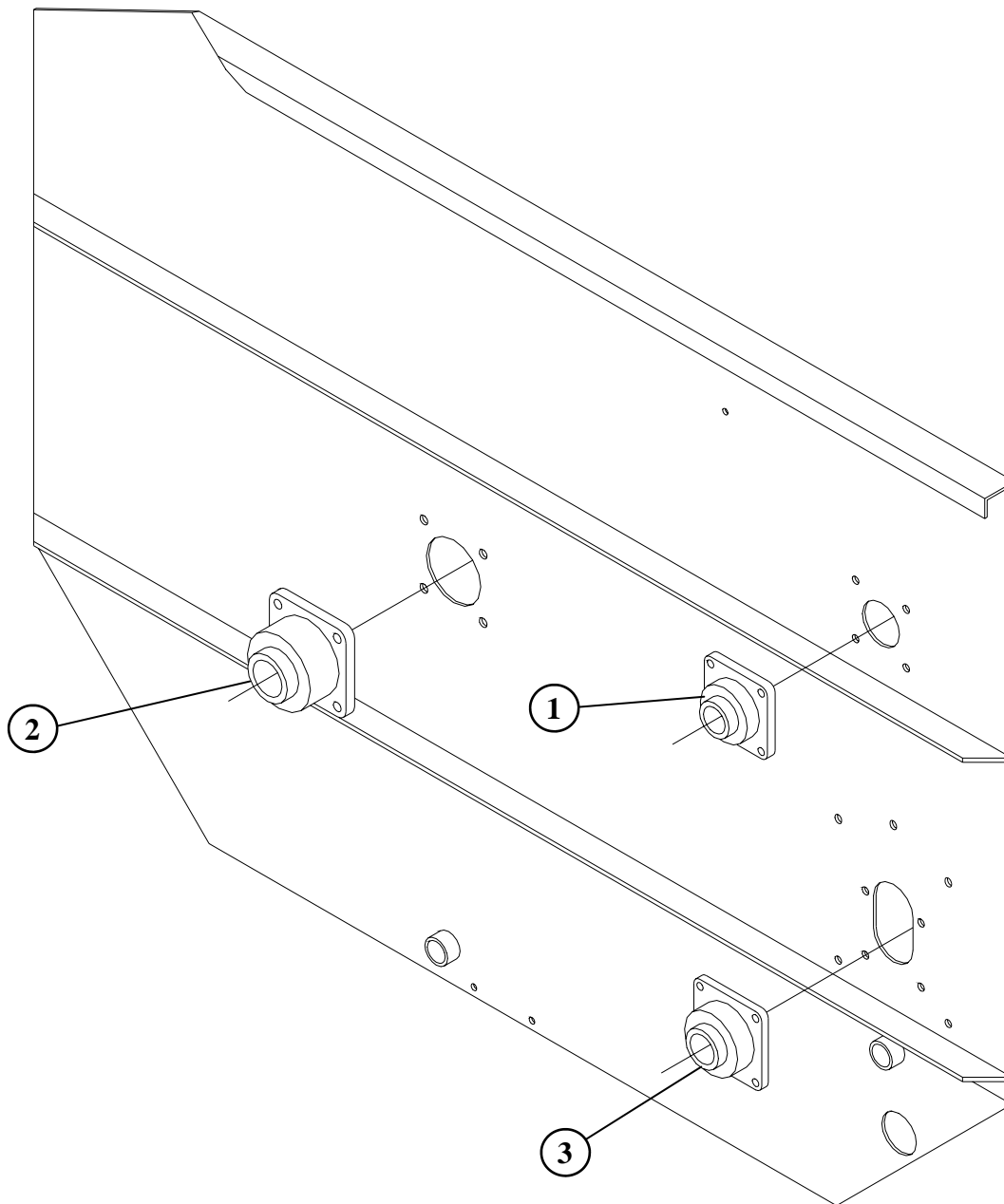
**274-12 FRONT END ASSEMBLY  
BEFORE SERIAL #890473441**



REF. NO	PART NO.	DESCRIPTION	QTY.
1	340428	FLANGE BEARING 1 3/4" 4-BOLT .....	1
2	340438	FLANGE BEARING 2 7/16" 4-BOLT .....	1
3	340435	FLANGE BEARING 2 3/16" 4-BOLT .....	1

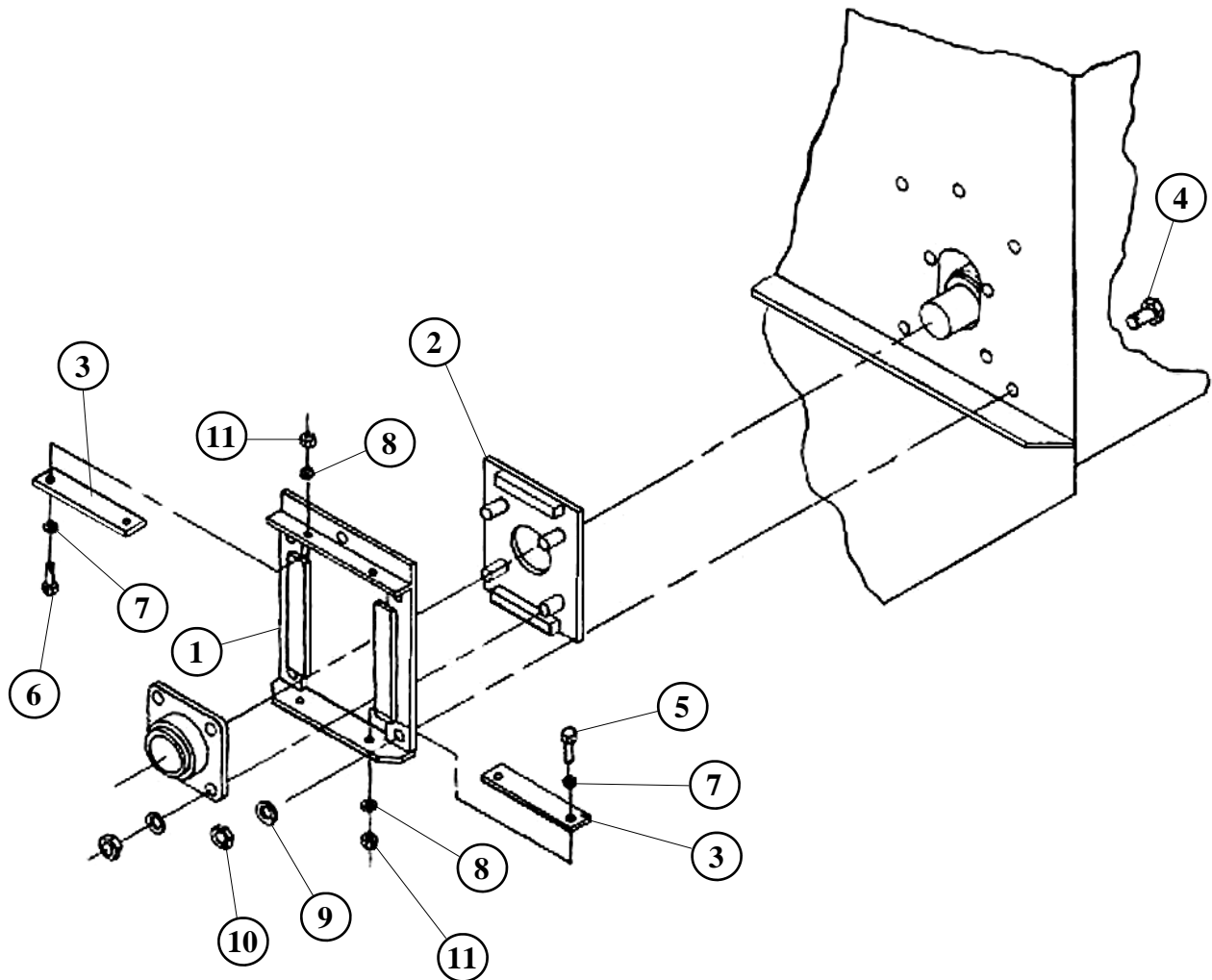


**274-12 FRONT END ASSEMBLY  
FROM SERIAL #890473441**



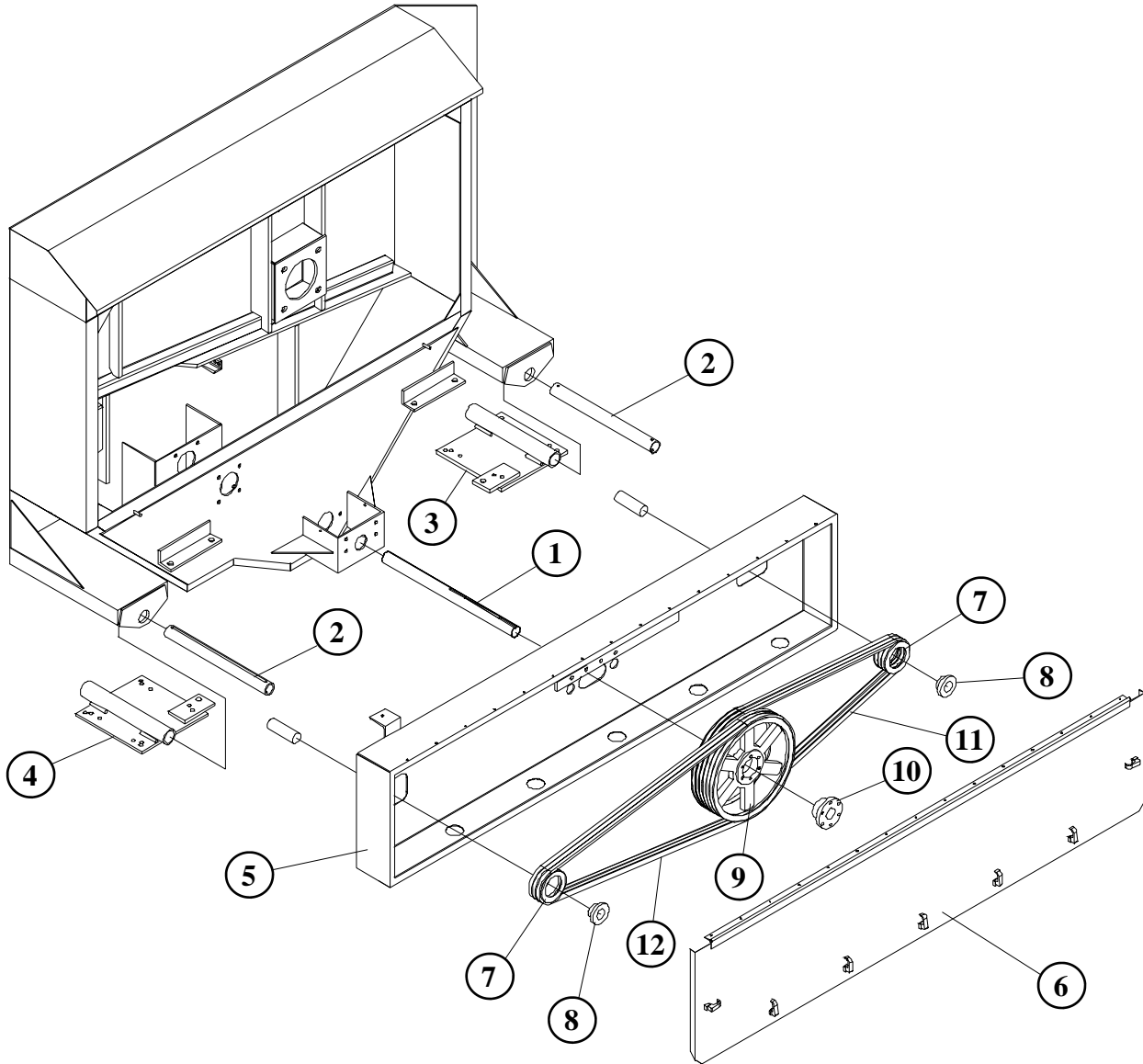
REF. NO	PART NO.	DESCRIPTION	QTY.
1	340427	FLANGE BEARING 1 3/4" 4-BOLT .....	1
2	340437	FLANGE BEARING 2 7/16" 4-BOLT .....	1
3	340436	FLANGE BEARING 2 3/16" 4-BOLT .....	1

## 274-12 LOWER AUGER FLOAT ASSEMBLY



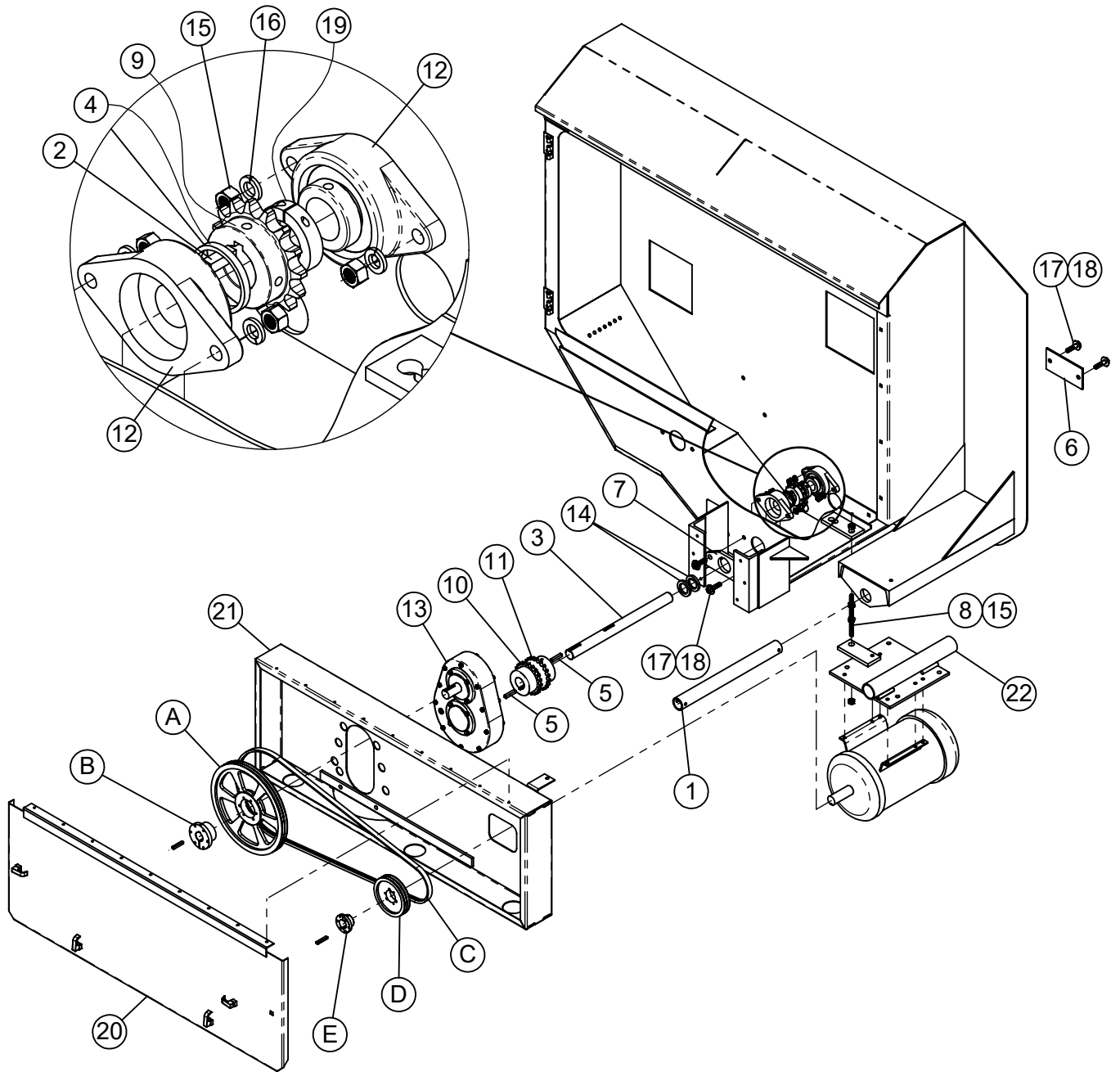
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850154	BEARING SLIDE FRAME WELDMENT.....	1
2	850155	BEARING SLIDE PLATE W.A. 2 3/16" .....	1
3	150418	BEARING SLIDER PLASTIC .....	2
4	405752	HHCS 5/8"-11 x 1 1/2".....	5
5	405656	HHCS 3/8"-16 x 1 3/4".....	2
6	405655	HHCS 3/8"-16 x 1 1/2".....	2
7	402406	FLAT WASHER 3/8".....	4
8	402010	LOCK WASHER 5/8".....	5
9	402006	LOCK WASHER 3/8".....	4
10	400210	HEX NUT 5/8"-11.....	5
11	400206	HEX NUT 3/8"-16.....	4

## 274-12 STATIONARY DUAL ELECTRIC MOTOR DRIVE ASSEMBLY



REF. NO	PART NO.	DESCRIPTION	QTY.
1	150688	274 STATIONARY INPUT SHAFT .....	1
2	150229	ELECTRIC MOTOR PIVOT PIPE 19-3/4" .....	2
3	850200	MOTOR BASE PLATE WELDMENT .....	1
4	850318	LEFT MOTOR PLATE WELDMENT .....	1
5	850315	274 ELEC. EXT. BELT SHIELD WELDMENT.....	1
6	750126	274 ELEC. EXT. BELT SHIELD DOOR ASSY .....	1
7	324105	3V-3 GROOVE 5.0" BELT SHEAVE .....	2
8	336015	SDS 1-3/8" QD BUSHING .....	2
9	324113	3V-6 GROOVE 10.6" BELT SHEAVE .....	1
10	336025	SF 1-1/2" QD BUSHING .....	1
11	325080	3VX-800 V-BELT .....	3
12	325085	3VX-1060 V-BELT .....	3
NS	187243	1/2" ALL THREAD ADJUSTER.....	2
NS	351056	5-32" RUBBER BULB SEAL.....	15.25 FT

# 274-12 STATIONARY SINGLE ELECTRIC MOTOR DRIVE ASSEMBLY



## 274-12 STATIONARY SINGLE ELECTRIC MOTOR DRIVE ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.
1	150229	ELEC MTR PIVOT PIPE 19-3/4"	1
2	150271	SQUARE KEY, 3/8" x 1-3/16" LGT	1
3	151242	274 ELEC INPUT SHAFT 1-1/2" x 19-3/4"	1
4	185326	2" SHAFT SPROCKET SPACER 1/4"	1
5	185480	KEY 3/8" SQ. X 2"	2
6	187186	SHAFT COVER PLATE	1
7	187187	PLATE, 1-1/2 SHAFT SEAL, 7 1/8	1
8	187243	ALL THREAD, 1/2" x 7"	1
9	330606	SROCKET, 60B15H 1-1/2" 3/8"KW (2)SS	1
10	332612	SPROCKET, CHAIN COUPLER 6020 1-3/4"B	1
11	332613	SPROCKET, CHAIN COUPLER 6020 1-1/2"B	1
12	340225	BEARING, 1-1/2" 2-BOLT	2
13	344023	3-1 Hub City 200 GEARBOX	1
14	355024	SEAL-CR 15004 1-1/2" ID	2
15	400208	HEX NUT 1/2"-13 #5 PLTD	8
16	402008	SPRING LOCK WASHER 1/2" PLTD	4
17	402408	WASHER, FLAT 1/2" MED PLTD	4
18	405705	HHCS 1/2"-13 x 2" #5 PLTD	4
19	412424	CLAMP COLLAR, 1-1/2"	1
20	781001	ELEC BELT SHIELD DOOR ASSY- 490	1
21	850388	274 ELEC SHIELD WA (1)MTR 10 HP 1PHASE	1
22	850389	271 ELECTRIC BASE PLATE WA	1

### 10 HP MOTOR DRIVE CARTON (#650066)

ITEM#	PART#	DESCRIPTION	QTY.
A	324106	BELT SHEAVE 3V-3 GROOVE 10.6"	1
B	336023	BUSHING SK 1-1/2" QD	1
C	325397	V-BELT, POWER BAND 3/3VX-800	1
D	324102	BELT SHEAVE 3V-3 GROOVE 3.65"	1
E	336014	BUSHING SH 1-3/8" QD	1

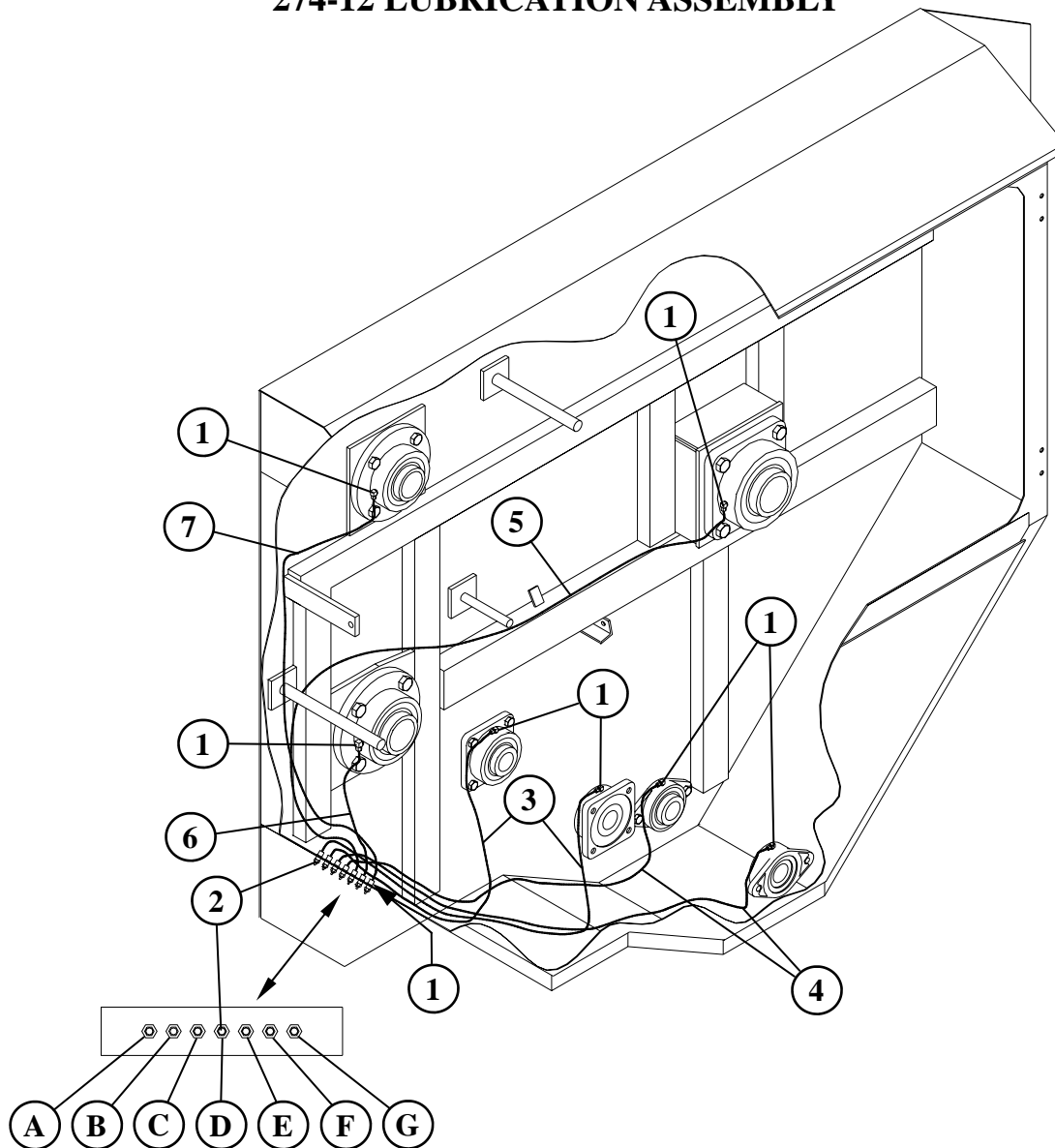
### 15 HP MOTOR DRIVE CARTON (#650065)

ITEM#	PART#	DESCRIPTION	QTY.
A	324106	BELT SHEAVE 3V-3 GROOVE 10.6"	1
B	336023	BUSHING SK 1-1/2" QD	1
C	325397	V-BELT, POWER BAND 3/3VX-800	1
D	324105	BELT SHEAVE 3V-3 GROOVE 5.0" SDS	1
E	336026	BUSHING SDS 1-5/8" QD	1

### 20 HP MOTOR DRIVE CARTON (#650064)

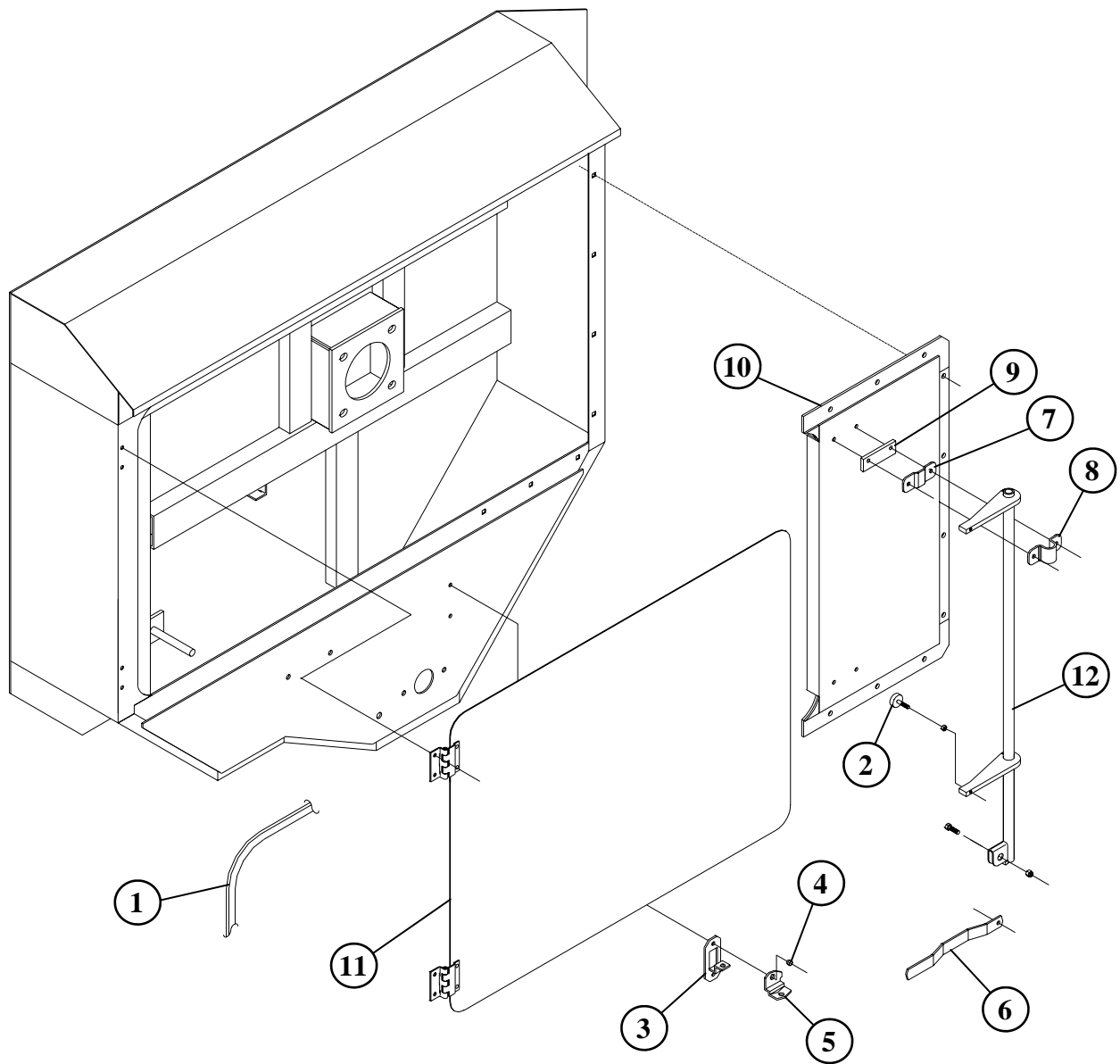
ITEM#	PART#	DESCRIPTION	QTY.
A	324110	BELT SHEAVE 3V-4 GROOVE 10.6" SK QD	1
B	336023	BUSHING SK 1-1/2" QD	1
C	325399	V-BELT, POWER BAND 4/3VX-800	1
D	336109	BELT SHEAVE 3V-4 GROOVE 5.0" SDS QD	1
E	336026	BUSHING SDS 1-5/8" QD	1

## 274-12 LUBRICATION ASSEMBLY



REF. NO	PART NO.	DESCRIPTION	QTY.
1	356001	1/8" NPTF X 3/16" COMP 90° .....	14
2	310750	1/8" FPT GREASE ZERK.....	7
3	185045	3/16" COPPER GREASE LINE X 36" .....	2
A		REAR JACKSHAFT BEARING	
B		FRONT JACKSHAFT BEARING	
4	185547	3/16" COPPER GREASE LINE X 60" .....	2
C		REAR INPUT BEARING	
D		FRONT INPUT BEARING	
5	150212	3/16" COPPER GREASE LINE X 69" .....	1
E		ROTOR BEARING	
6	150211	3/16" COPPER GREASE LINE X 18" .....	1
F		BOTTOM AUGER BEARING	
7	185341	3/16" COPPER GREASE LINE X 48" .....	1
G		TOP AUGER BEARING	

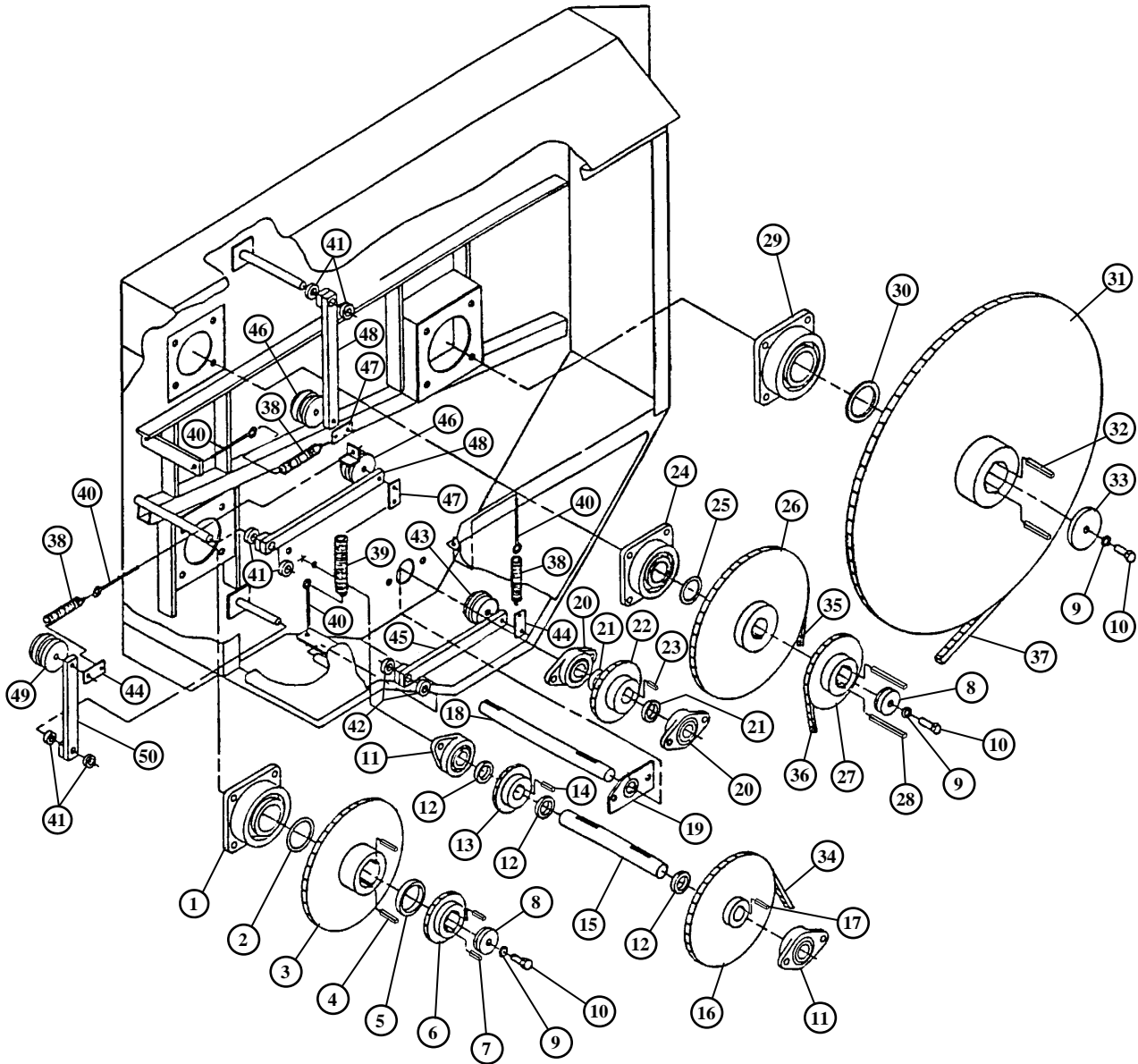
**274-12 OIL BATH DOOR ASSEMBLY  
#685624**



REF. NO	PART NO.	DESCRIPTION	QTY.
1	351056	5/32" RUBBER BULB SEAL.....	14 FT.
2	370323	LEVELING PAD.....	2
3	370322	HANDLE STOP.....	1
4	370321	CAM LOCK BUSHING.....	1
5	370320	HANDLE CAM LOCK.....	1
6	370319	CAM LOCK HANDLE.....	1
7	370317	CAM LOCK BOTTOM PLATE.....	2
8	370316	CAM LOCK TOP PLATE.....	2
9	189503	CAM LOCK SPACER.....	2
10	850583	OIL BATH FILLER PLATE WELDMENT.....	1
11	850582	OIL BATH DOOR WELDMENT.....	1
12	850575	LEFT CAM ROD WELDMENT.....	1

# 274-12 OLD STYLE DRIVE ASSEMBLY

BEFORE SERIAL #890473441



REF. NO	PART NO.	DESCRIPTION	QTY.
1	340548	3" MSF 48 4-BOLT FLANGE BEARING .....	1
2	150033	3" SPACER.....	1
3	850233	#100 B 36 RC SPROCKET WELDMENT .....	1
4	150079	1/2" x 3/4" RECT. KEY x 2-1/2" LONG .....	2
5	150035	3" PIPE SPACER .....	1
6	150082	#100 B 13H RC SPROCKET .....	1
7	150078	1/2" x 5/8" RECT. KEY x 1-5/8" LONG.....	2
8	850054	END CAP WELDMENT.....	2



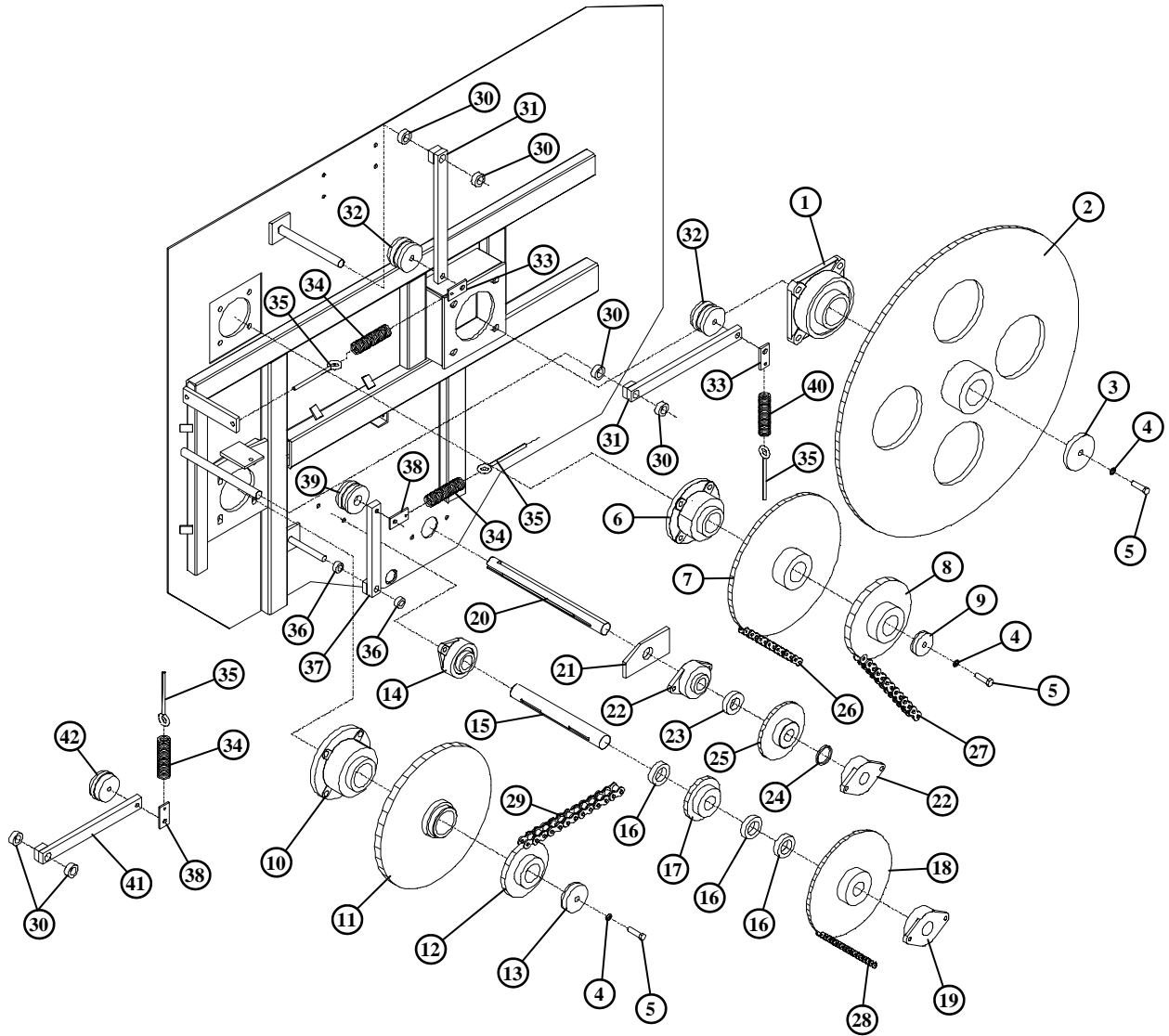
## 274-12 OLD STYLE DRIVE ASSEMBLY

BEFORE SERIAL #890473441

REF. NO	PART NO.	DESCRIPTION	QTY.
9	402010	5/8" LOCKWASHER.....	3
10	405754	5/8"-11 x 2" HHCS.....	3
11	340228	VCJT 1-3/4" 2-BOLT FLANGE BEARING .....	2
12	412428	1-3/4" C-CLAMP .....	3
13	330803	#80 B 15H RC SPROCKET .....	1
14	188043	3/8" SQ. KEY x 1-7/16" LONG.....	1
15	150642	274 JACKSHAFT.....	1
16	330654	#60 B 54 RC SPROCKET .....	1
17	150271	3/8" SQ. KEY x 1-3/16" LONG.....	1
18	150643	274 INPUT SHAFT.....	1
19	781111	1-1/2" SEAL PLATE ASSEMBLY .....	1
A	355024	1-1/2" SEAL CR 15004.....	2
20	340224	VCJT 1-1/2" 2-BOLT FLANGE BEARING .....	2
21	412424	1-1/2" C-CLAMP .....	2
22	330628	#60 B 28H RC SPROCKET (540 PTO)	
	330606	#60 B 15H RC SPROCKET (1000 PTO & STAT).....	1
23	150271	3/8" SQ. KEY x 1-3/16" LONG.....	1
24	340540	2-1/2" MSF 40 4-BOLT FLANGE BEARING.....	1
25	150206	2-1/2" SHAFT SPACER .....	1
26	850231	#80 B 54 RC SPROCKET WELDMENT .....	1
27	850232	#100 B 19H RC SPROCKET WELDMENT .....	1
28	150076	1/2" x 5/8" RECT. KEY x 5".....	2
29	340556	3-1/2" MSF 56 4-BOLT FLANGE BEARING.....	1
30	150032	3-1/2" PIPE SPACER.....	1
31	850044	#100 B 96 RC SPROCKET WELDMENT .....	1
32	150081	5/8" x 7/8" RECT. KEY x 4" LONG .....	2
33	185329	SPROCKET WASHER .....	1
34	320693	#60 RC x 93 PITCHES.....	1
35	320813	#80 RC x 113 PITCHES.....	1
36	321065	#100 RC x 65 PITCHES.....	1
37	321121	#100 RC x 121 PITCHES.....	1
38	410008	1-1/4" x 5-1/4" x .188" PULL SPRING.....	3
39	410012	1-3/4" x 7" x .218" PULL SPRING .....	1
40	410851	3/8" x 6" EYEBOLT.....	4
41	412416	1" SET COLLAR.....	6
42	412412	3/4" SET COLLAR.....	2
43	187154	#60 IDLER BLOCK UHMW .....	1
44	187153	1/2" PULL TAB.....	2
45	850190	IDLER ARM WELDMENT.....	1
46	187159	#100 IDLER ARM BLOCK UHMW .....	2
47	187157	5/8" PULL TAB.....	2
48	873054	IDLER ARM WELDMENT.....	2
49	187158	#80 IDLER BLOCK UHMW .....	1
50	870303	IDLER ARM WELDMENT.....	1

# 274-12 CURRENT DRIVE ASSEMBLY

FROM SERIAL #890473441

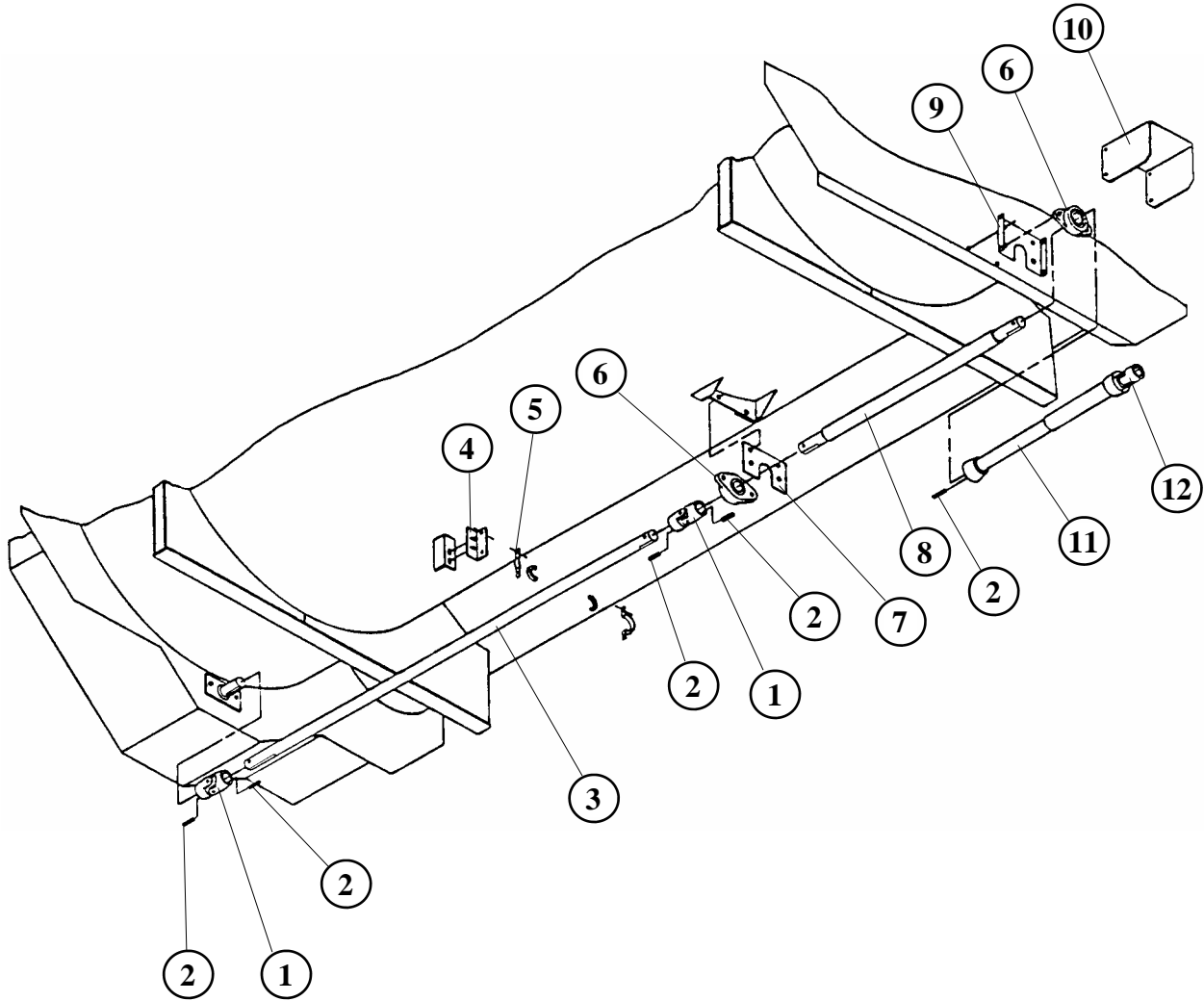


## 274-12 CURRENT DRIVE ASSEMBLY

FROM SERIAL #890473441

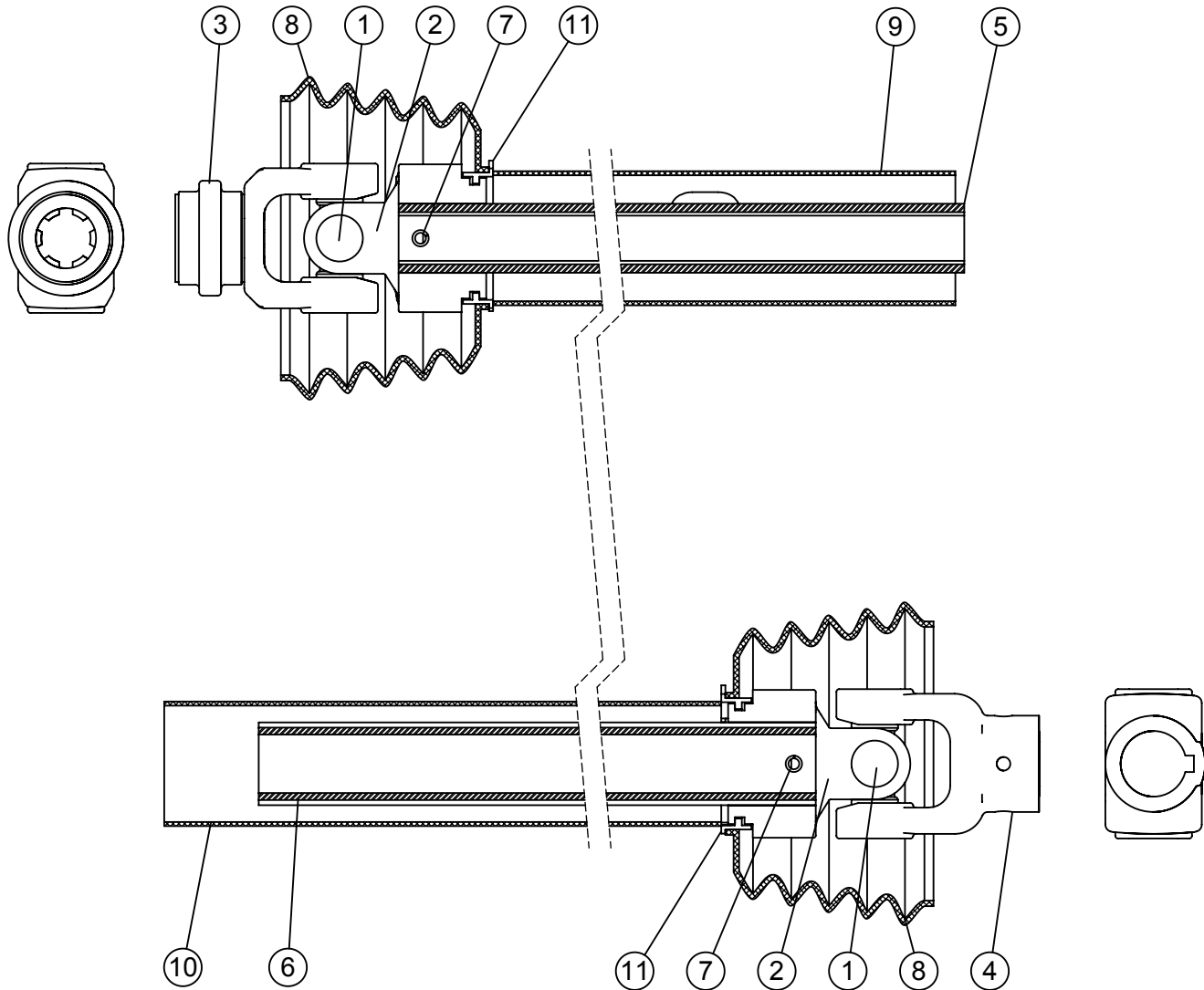
REF. NO	PART NO.	DESCRIPTION	QTY.
1	340556	3-1/2" MFS 56 4-BOLT BEARING.....	1
2	850509	100 B 96 3-1/2" SPLINE BORE SPRKT WELDMNT .....	1
3	185329	3-1/2" SHAFT SPRKT WASHER .....	1
4	402010	5/8" LOCK WASHER.....	3
5	405754	5/8"-11 x 2" HHCS.....	3
6	342040	2-1/2" REX MB2208-48 4-BOLT BEARING .....	1
7	850511	80 B 54 2-1/2" SPLINE BORE SPRKT WELDMNT .....	1
8	850512	100 B 19H 2-1/2" SPLINE BORE SPRKT WELDMNT .....	1
9	850054	2-7/8" END CAP WELDMNT .....	1
10	342048	3" REX MB2300-4B 4-BOLT BEARING.....	1
11	850513	100 C 36 3" SPLINE BORE SPRKT WELDMNT .....	1
12	331013	100 B 13H 3" SPLINE BORE SPRKT .....	1
13	850129	3-1/2" END CAP WELDMNT .....	1
14	340230	1-3/4" MSFT 28 2-BOLT BEARING .....	1
15	150642	1-3/4" JACKSHAFT.....	1
16	412428	1-3/4" C-CLAMP COLLAR .....	3
17	330803	80 B 15H x 1-3/4" BORE SPRKT.....	1
18	330654	60 B 54 x 1-3/4" BORE SPRKT .....	1
19	340229	1-3/4" FX3W228U 2-BOLT BEARING.....	1
20	150643	1-1/2" INPUT SHAFT.....	1
21	781111	1-1/2" SHAFT SEAL PLATE ASSEMBLY.....	1
A	355024	CR15004 1-1/2" SEAL.....	2
22	340225	1-1/2" FX3W225E 2-BOLT BEARING .....	2
23	412424	1-1/2" C-CLAMP COLLAR .....	1
24	185326	2" SHAFT SPRKT SPACER .....	1
25	330628	60 B 28H x 1-1/2" BORE SPRKT.....	1
26	320813D	#80 x 113P DIAMOND RC.....	1
27	321065	#100 x 65P RC.....	1
28	320693D	#60 x 93P DIAMOND RC.....	1
29	321121	#100 x 121P DIAMOND RC.....	1
30	412416	1" SET COLLAR.....	6
31	873054	IDLER ARM WELDMNT.....	2
32	187159	#100 UHMW IDLER BLOCK .....	2
33	187157	5/8" PULL TAB.....	2
34	410008	1-1/4" x 5-1/4" PULL SPRING.....	3
35	410851	3/8"-16 x 6" EYEBOLT .....	4
36	412412	3/4" SET COLLAR.....	2
37	870303	IDLER ARM WELDMNT.....	1
38	187153	1/2" PULL TAB.....	2
39	150224	#80 UHMW IDLER BLOCK .....	1
40	410012	1-3/4" x 7" PULL SPRING .....	1
41	850190	IDLER BLOCK WELDMNT .....	1
42	187154	#60 UHMW IDLER BLOCK .....	1

## 274-12 TRAILER DRIVELINE ASSEMBLY



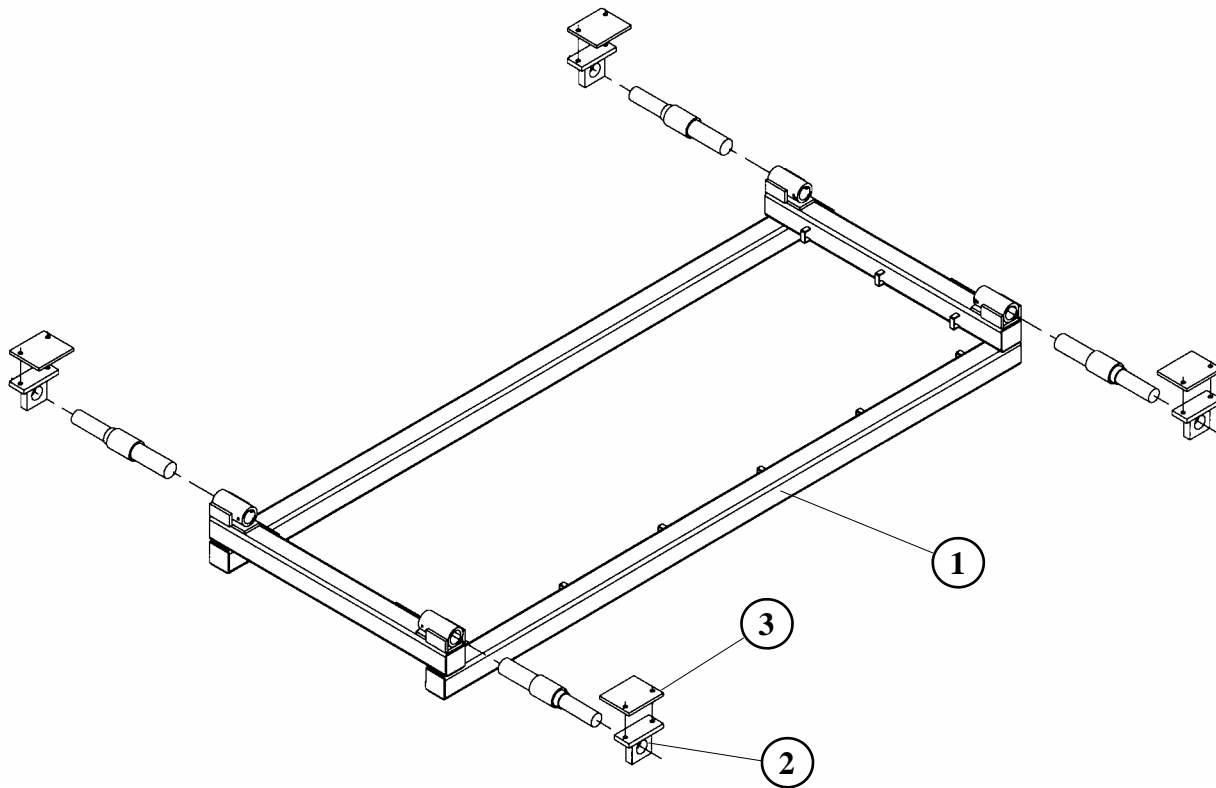
REF. NO	PART NO.	DESCRIPTION	QTY.
1	338230	U-JOINT W2300 1 1/2" X 1 1/2" .....	2
2	185480	KEY 3/8" SQ. X 2" .....	5
3	150644	DRIVELINE 1 1/2" X 79 3/4" .....	1
4	185299	CARRIER BEARING ANGLE BRACKET .....	1
5	341024	CARRIER BEARING 1 1/2" PABCO - BLOCK.....	1
6	340225	BEARING 1 1/2" 2-BOLT .....	2
7	150511	CENTER BEARING MOUNTING PLATE.....	1
8	150551	FRONT DRIVELINE 1 3/4" X 59 1/4" .....	1
9	150509	FRONT BEARING MOUNTING PLATE .....	1
10	780601	PTO SHIELD ASSEMBLY .....	1
11	338023	DRIVESHAFT W2300 W/540 YOKE (STANDARD).....	1
	338024	DRIVESHAFT <u>CV</u> W2300 W/540 YOKE (OPTIONAL)	
12	338440	PTO YOKE 1 3/8" 1000 RPM W2300 (OPTIONAL).....	1

# 274-12 TRAILER DRIVESHAFT ASSEMBLY #338023



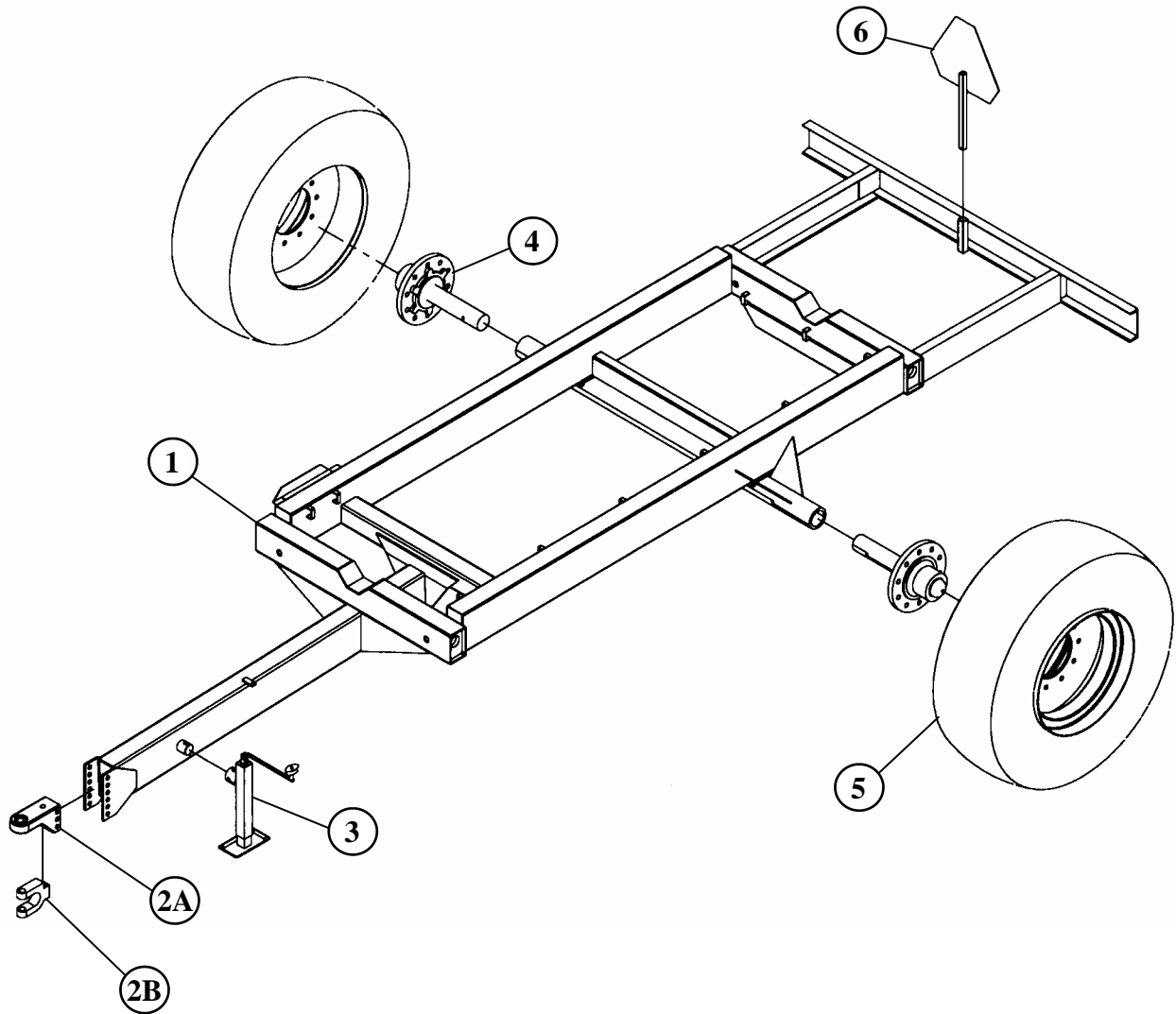
ITEM #	PART #	DESCRIPTION	QTY.
1	338441	CROSS KIT 2300	2
2	338452	INBOARD YOKE I W2300 041318	2
3	338455	YOKE 1-3/8"-6 W2300 ASGE	1
4	338456	YOKE W2300 1-1/2" RB	1
5	338461	INNER PROFILE Ov W2300 013377	1
6	338462	OUTER PROFILE I W2300 050184	1
7	338473	ROLL DRIVE PIN WLTSH 10MM x 90MM	2
8	338490	SHIELD CONE 5 RIB W2300	2
9	338491	OUTER SHIELD TUBE RD - 058023	1
10	338492	INNER SHIELD TUBE RD - 057679	1
11	338493	BEARING RING SC15, 087279	2

## 274-12 STATIONARY WEIGH BAR SCALE FRAME ASSEMBLY



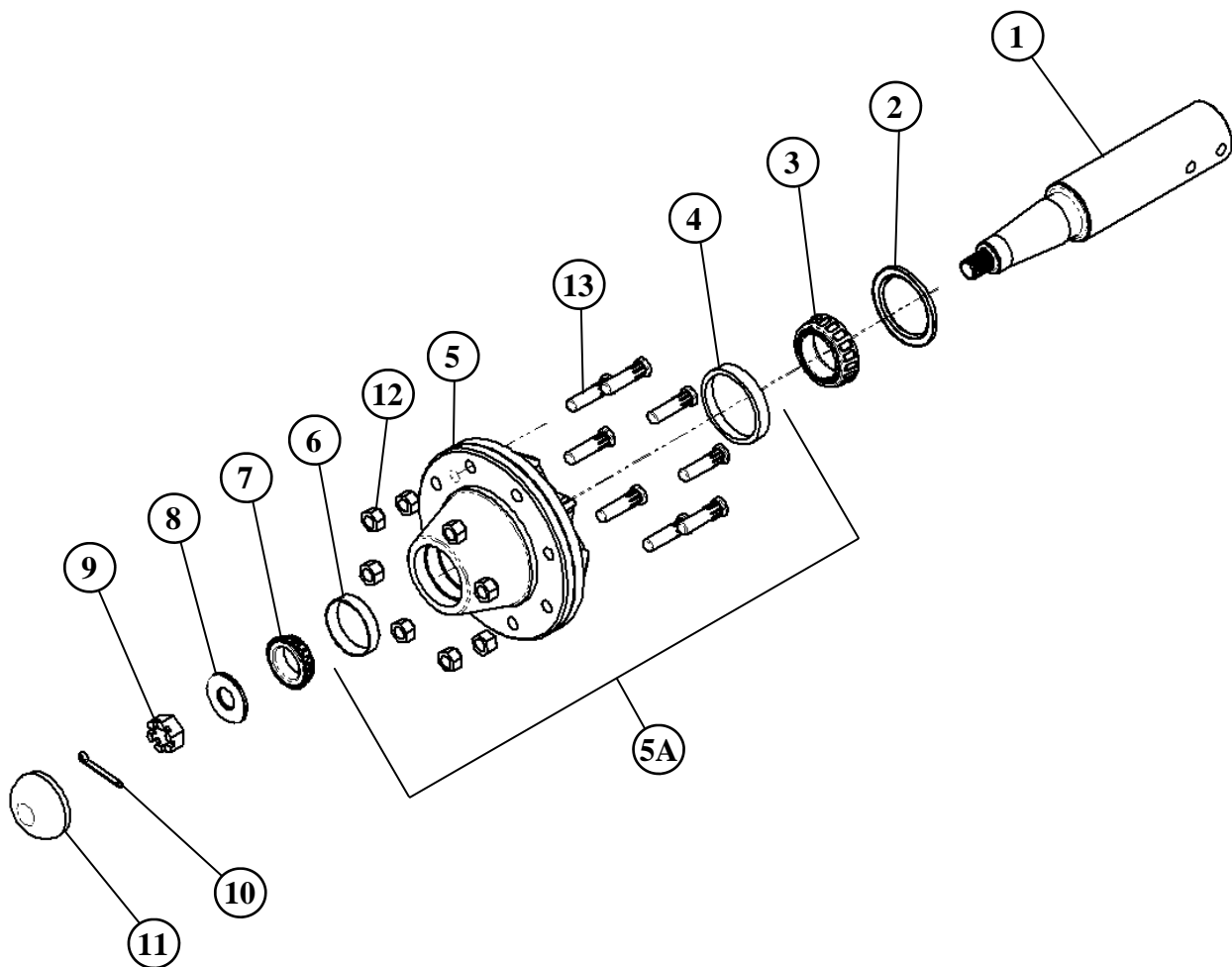
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850254	274-12 STATIONARY SCALE FRAME W.A. ....	1
2	872169	WEIGH BAR MOUNT W.A.....	4
3	185609	WEIGH BAR MIXER MOUNT .....	4

## 274-12 TRAILER ASSEMBLY



REF. NO	PART NO.	DESCRIPTION	QTY.
1	850242	274 TRAILER WELDMENT.....	1
2	651024	PERFECT HITCH KIT .....	1
A	374100	BASE HITCH BODY.....	1
B	374101	CLEVIS INSERT .....	1
3			
A	374002	5000LB. G&G JACK .....	1
B	780904	9000LB. DROP LEG JACK (OPTIONAL) .....	1
4	781106	8 BOLT 3" SPINDLE & HUB ASSEMBLY .....	2
5	760018	255R x 22.5 8 BOLT TIRE & WHEEL ASSEMBLY	
	781128	11.00 x 20 TIRE & 8 BOLT WHEEL ASSEMBLY.....	2
6	750018	SLOW MOVING VEHICLE SIGN ASSEMBLY .....	1

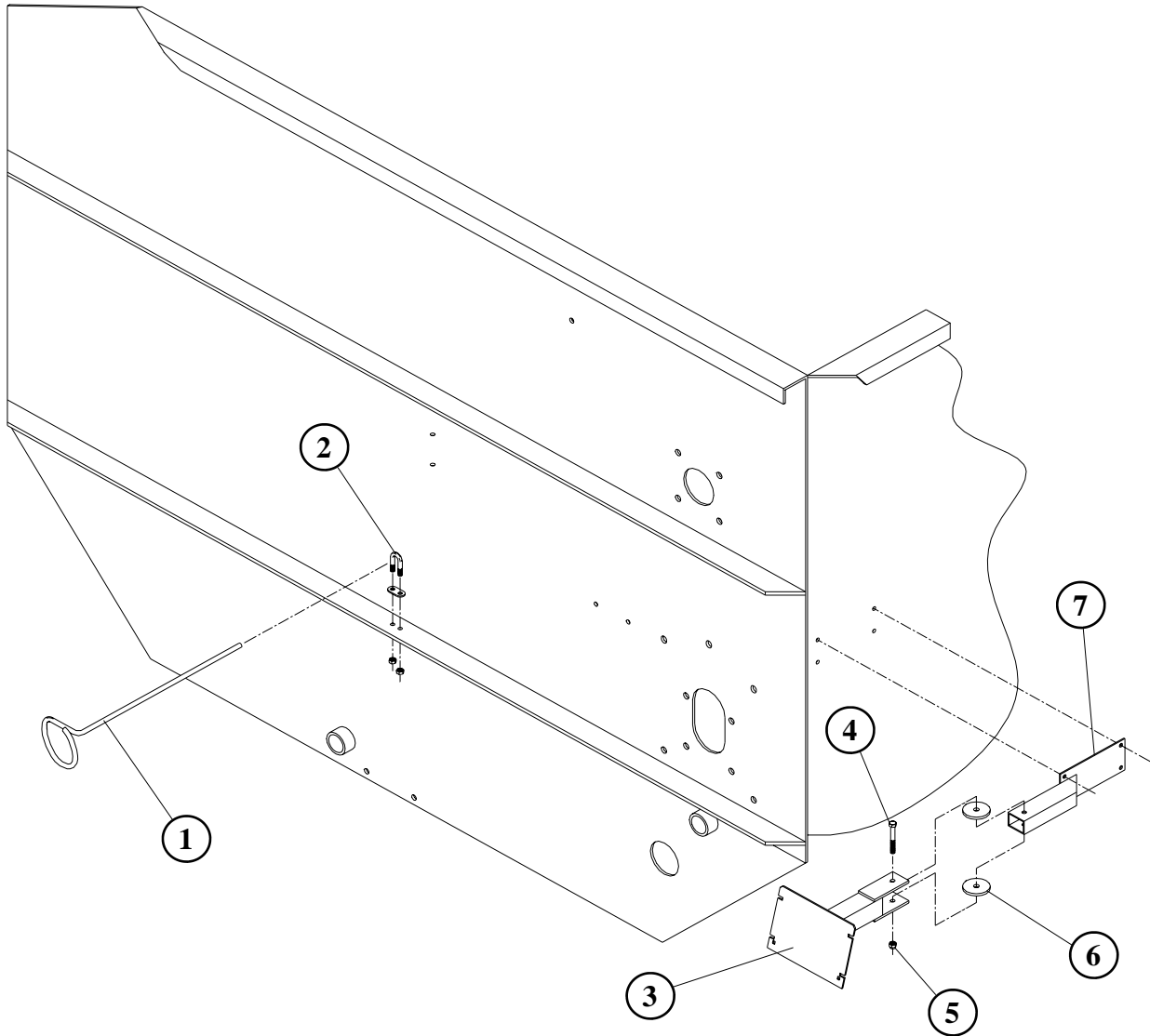
**8-BOLT HUB & SPINDLE ASSEMBLY  
(8,000 LBS., PART #781106)**



REF. NO	PART NO.	DESCRIPTION	QTY.
1	187102	8,000 LB SPINDLE 3" x 16" .....	1
2	372305	3" BORE SEAL #CR29968.....	1
3	342205	2.25" BORE BEARING TIMKEN #387-AS .....	1
4	342207	3.813"OD RACE TIMKEN #382-A .....	1
5	372207	8-BOLT HUB ASSEMBLY 8,000 LB (Includes 12 & 13) .....	1
5A	372207A	8-BOLT HUB W/STUDS, NUTS & BEARING RACES .....	1
6	342208	2.891"OD RACE TIMKEN #LM-501310 .....	1
7	342206	1.625" BORE BEARING TIMKEN #LM-501349 .....	1
8	402910	1" FLAT WASHER MED. PLTD.....	1
9	402816	1"-14 HES CASTLE NUT SAE PLTD.....	1
10	404006	3/16" x 2-1/4" COTTER PIN PLTD .....	1
11	372307	DUST CAP 7500 LB HUB WILTON #9099121 .....	1
12	400101	5/8" RIGHT LUG NUT WILTON #913557 .....	8
13	407723	5/8" x 2-3/8" STUD BOLT WILTON #943527.....	8

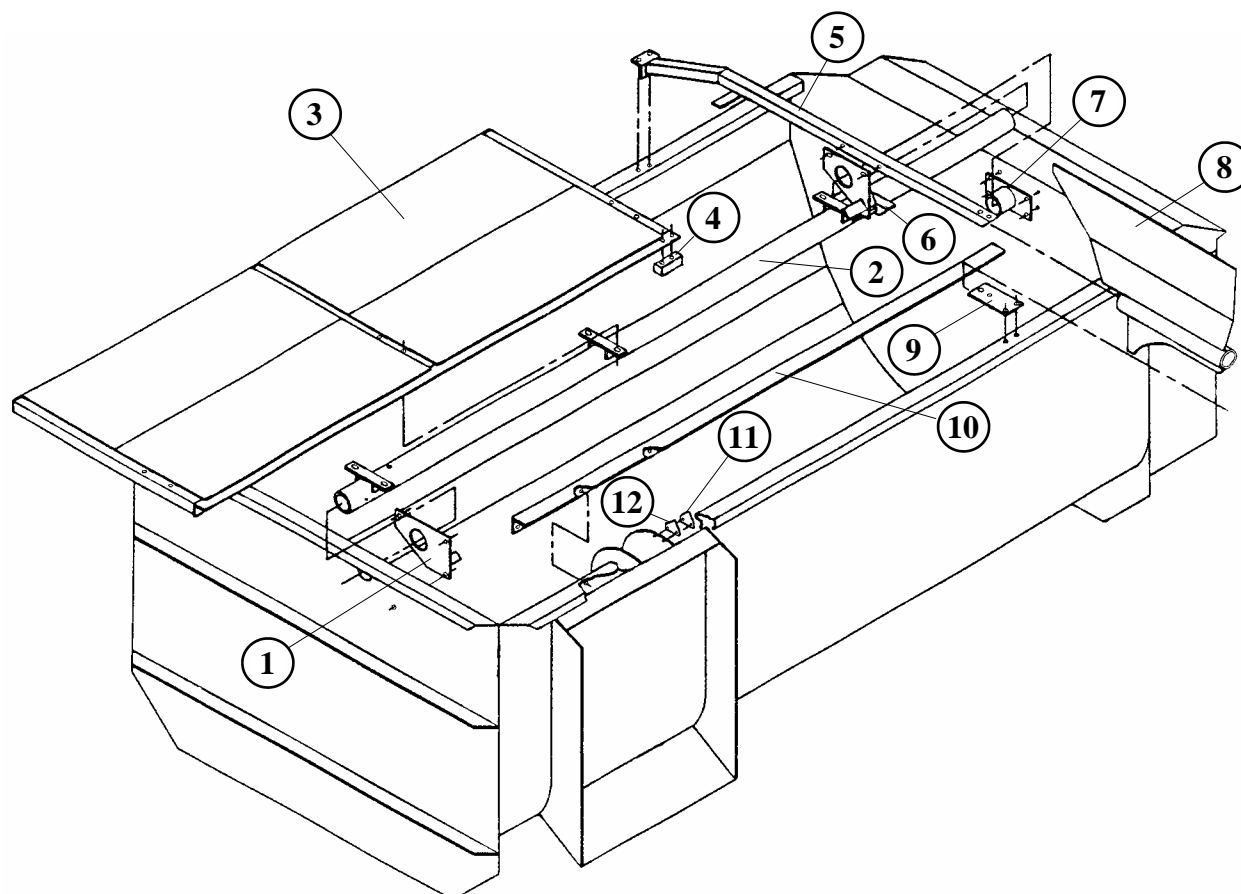


## 274-12 SCALE INDICATOR ASSEMBLY



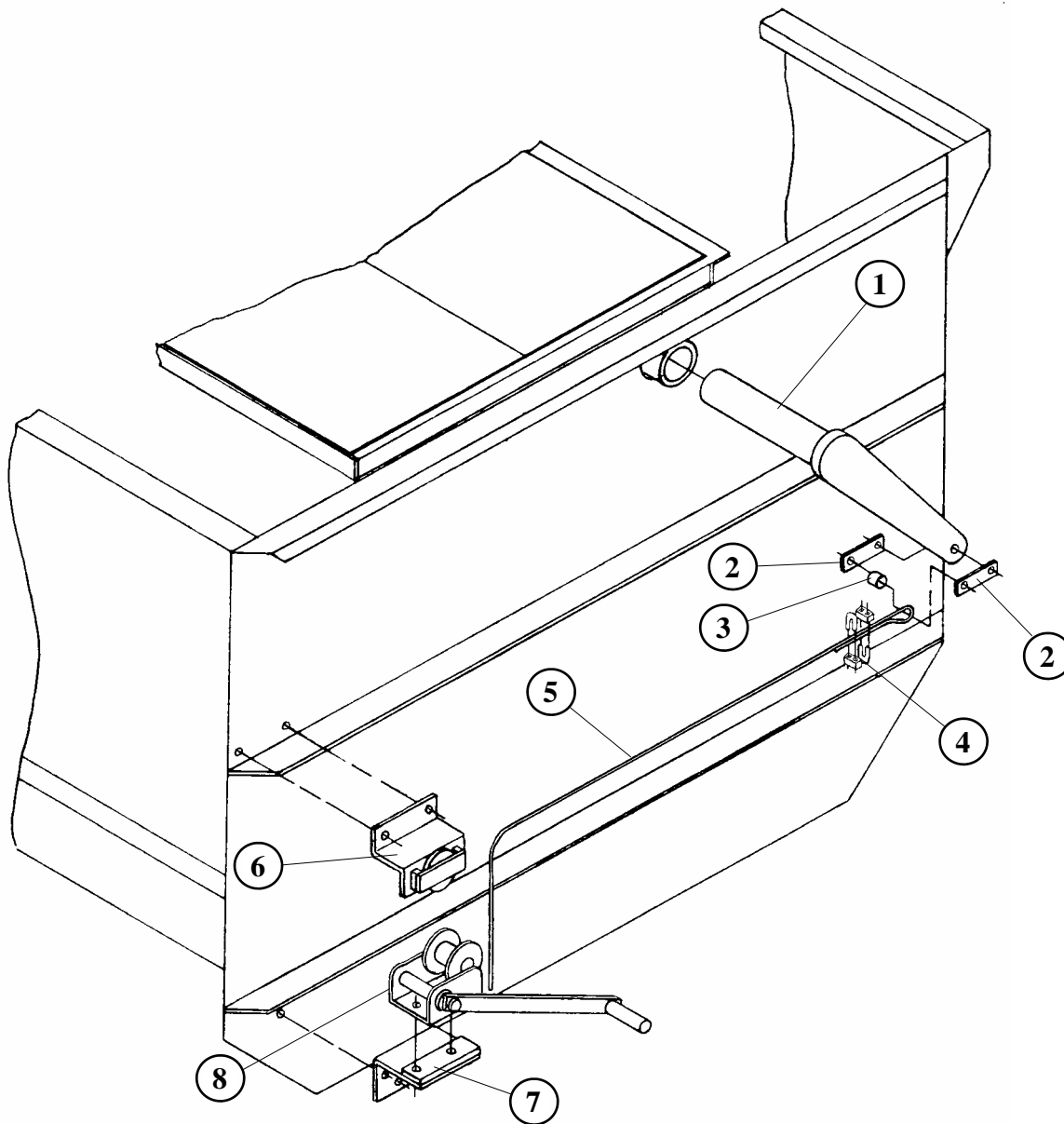
REF. NO	PART NO.	DESCRIPTION	QTY.
1	184283	TRAILER HOSE CARRIER.....	1
2	402205	3/8" CABLE CLAMP.....	1
3	850048	SCALE INDICATOR ARM WELDMENT.....	1
4	405661	3/8"-16 X 3" HHCS.....	1
5	401106	3/8"-16 NYLOCK HEX NUT.....	1
6	185493	SCALE HINGE WASHER.....	2
7	850047	SCALE INDICATOR PLATE WELDMENT.....	1

## 274-12 HAY PROCESSOR ASSEMBLY



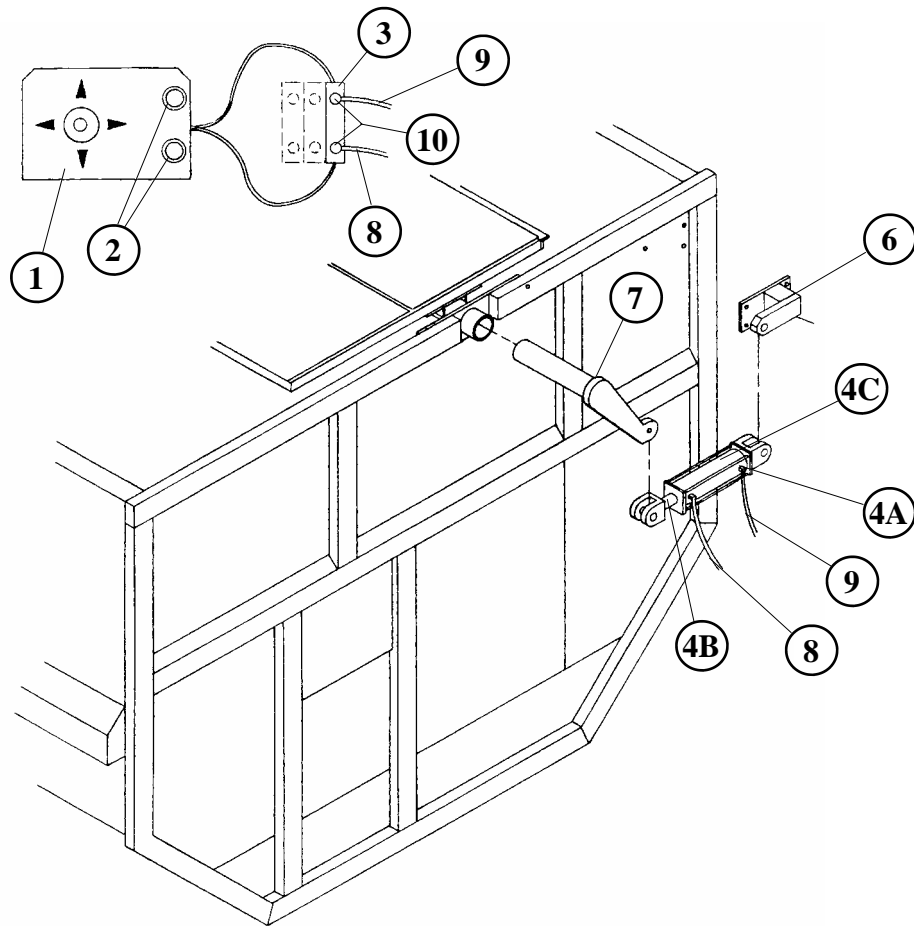
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850195	HAY PAN FRONT BEARING W.A. ....	1
2	850237	274 HAY PAN TUBE W.A. ....	1
3	850063	HAY PAN W.A. ....	1
4	150198	BAFFLE PLUNGER UHMW ....	1
5	850298	274 CROSS BAR W.A. ....	1
6	850196	HAY PAN CENTER BEARING W.A. ....	1
7	872354	HAY PAN REAR BEARING W.A. ....	1
8	850297	274 HAY PAN BAFFLE W.A. ....	1
9	150141	CROSS BAR PLATE ....	1
10	150814	274/354 HAY PAN ANGLE ....	1
11	385002	SICKLE SECTION HARD SURFACED 5/16" ....	41
12	150223	KNIFE BACK-UP PLATE. ....	38

## 274-12 HAY PROCESSOR (CABLE OPTION) ASSEMBLY



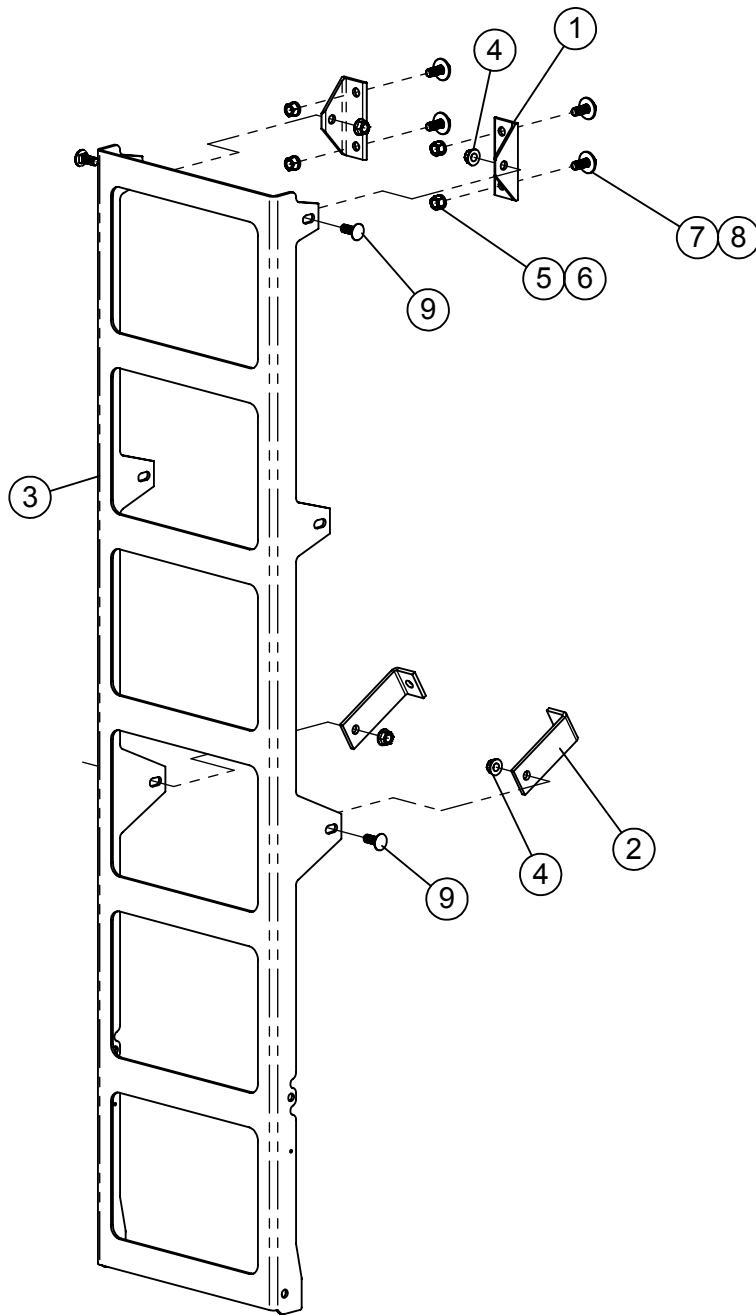
REF. NO	PART NO.	DESCRIPTION	QTY.
1	850090	HAY PAN CABLE ARM W.A.....	1
2	150088	CABLE BAR .....	2
3	150189	SLEEVE 1"OD x 13/16" .....	1
4	412204	CABLE CLAMP 1/4".....	2
5	150669	CABLE .....	1
6	850066	CABLE PULLEY BRACKET W.A.....	1
7	850067	CABLE WINCH MOUNT PLATE W.A.....	1
8	412325	CABLE BRAKE WINCH 1000 LB.....	1

## 274-12 HAY PROCESSOR (HYDRAULIC OPTION) ASSEMBLY



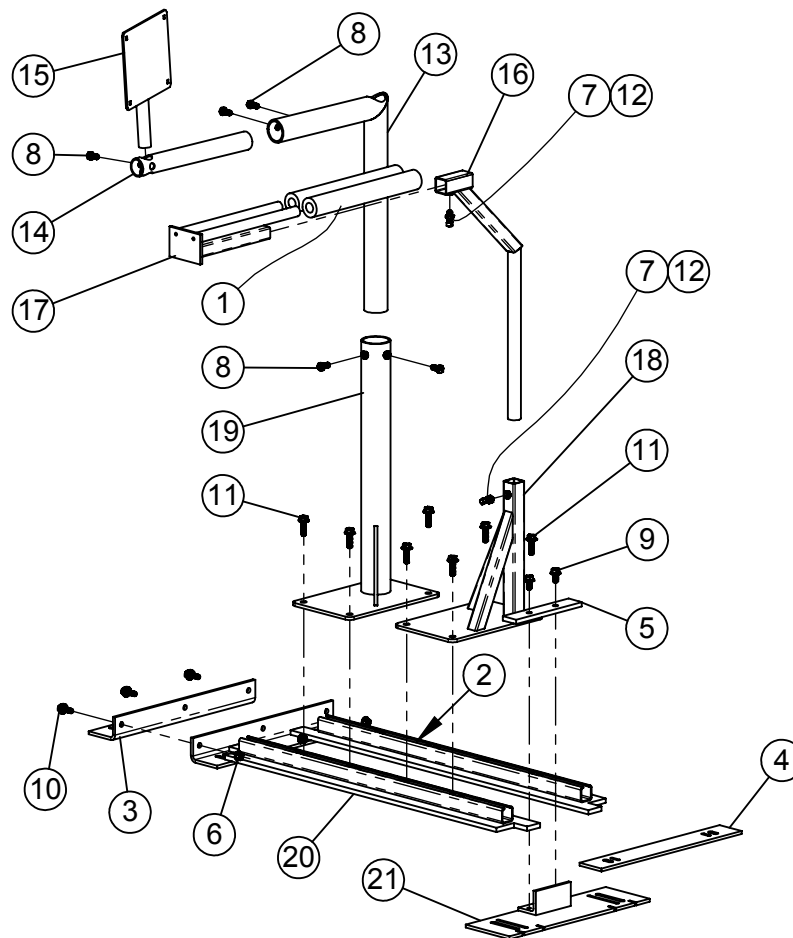
REF. NO	PART NO.	DESCRIPTION	QTY.
1	188226	FEEDER ELECTRIC CONTROL BRACKET.....	1
2	357702	PUSH BUTTON SWITCH 12V-2 POLE .....	1
3	362207	SLD ADD ON VALVE VX-13D (TRUCK).....	1
4	780109	2" x 8" STRAIGHT DOOR CYLINDER ASSY. ....	1
A	368007	FITTING 3/8"MP x 3/8"FPSW 90° x .109" RESTRICTION ...	2
B	364954	2" x 8" x 1 1/16" DIA CYLINDER ROD .....	1
C	364055	2" x8" STROKE HYDRAULIC CYLINDER.....	1
D	364	2" HYDRAULIC CYLINDER REPAIR KIT .....	1
5	781055	WIRE ASSEMBLY (TRUCK TO MIXER) .....	1
6	850060	HYDRAULIC CYLINDER BRACKET W.A. ....	1
7	872357	HYDRAULIC CYLINDER ARM W.A.....	1
8			
A	781072	HYD. HOSE 3/8" x 134" - 3/8"MP x 1/4"MP (TRUCK).....	1
B	781320	HYD. HOSE 3/8" x 184" - 3/8"MP x 1/2" MP (TRAILER) .....	1
9			
A	781330	HYD. HOSE 3/8" x 120" - 3/8"MP x 1/4"MP (TRUCK).....	1
B	781319	HYD. HOSE 3/8" x 174" - 3/8"MP x 1/2"MP (TRAILER) .....	1
10	368010	FITTING 1/4"MP x 1/4"FPSW x 1/8" RESTRICTION.....	2

# FORAGE EXPRESS LADDER ASSY #950020



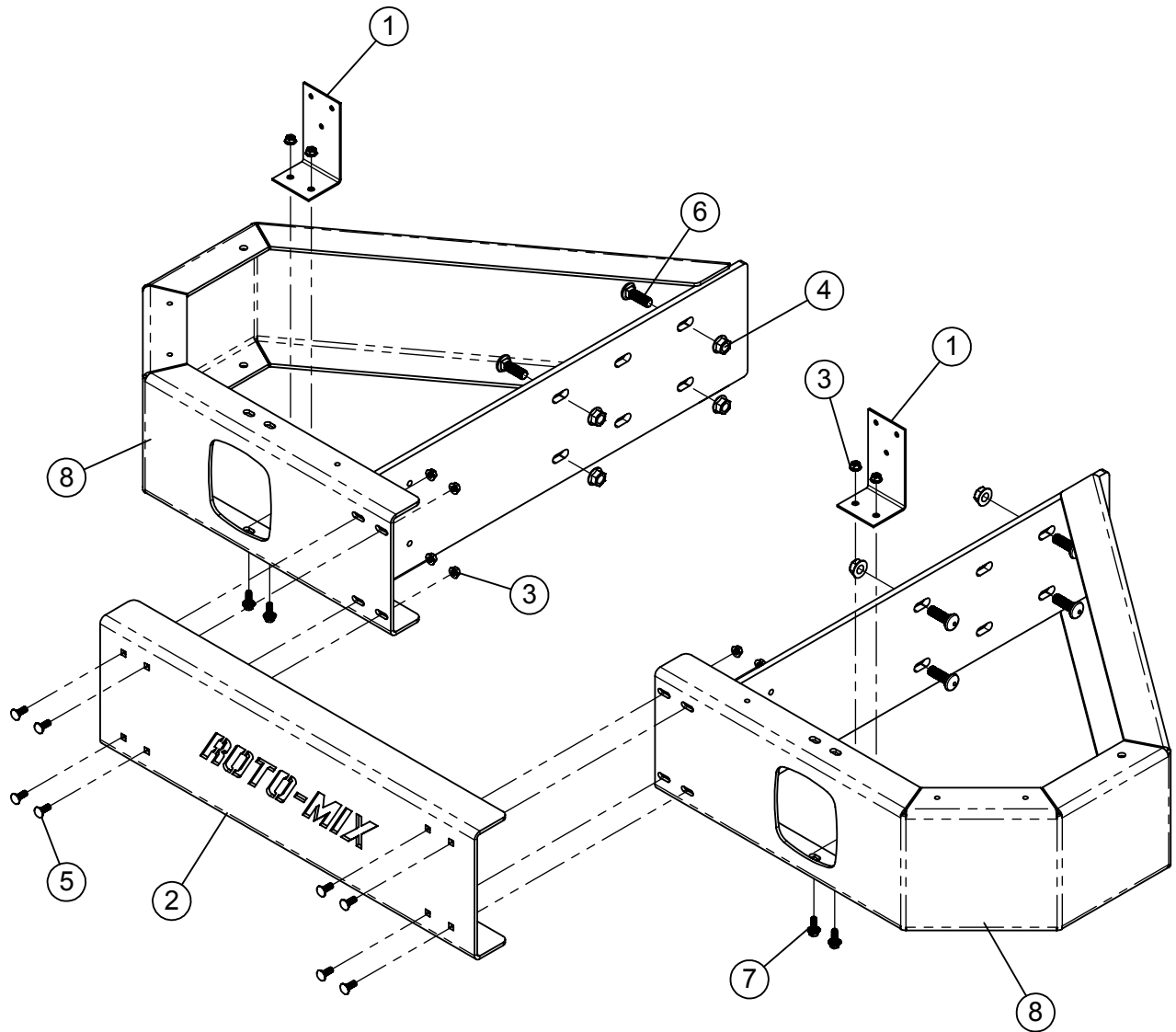
ITEM #	PART #	DESCRIPTION	QTY.
1	150389	LADDER MOUNT ANGLE 5"	2
2	150390	LADDER MOUNT BRACKET 6 7/8"	2
3	190979	LADDER, FORMED 7 RUNG	1
4	400114	HEX NUT, 1/2-13 SERRATED FLANGE #5	4
5	400208	HEX NUT 1/2"-13 #5 PLTD	4
6	402008	SPRING LOCK WASHER 1/2" PLTD	4
7	402408	WASHER, FLAT 1/2" MED PLTD	4
8	405702	HHCS 1/2"-13 x 1-1/4" #5 PLTD	4
9	407101	CHCS 1/2"-13 x 1-1/4" #5 PLTD	4

# TRUCK CAB SCALE INDICATOR FRAME PARTS



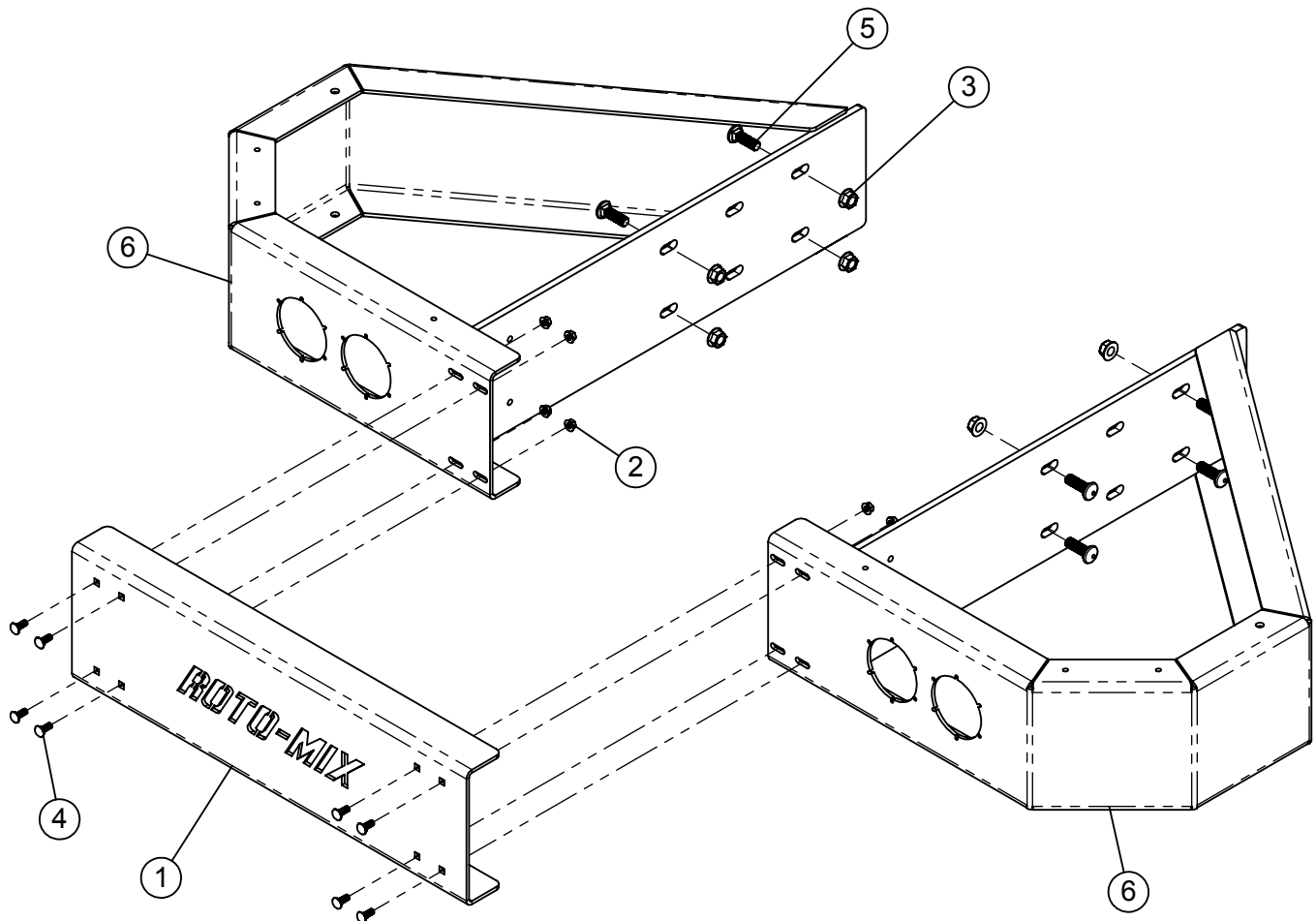
ITEM #	PART #	DESCRIPTION	QTY.
1	185930	ARM REST PAD 12"	2
2	192578	ARM REST SLIDE BAR	4
3	192585	BRACKET, PASSENGER CAB SEAT	1
4	192587	SPACER, TRUCK CAB DRIVER'S SEAT	1
5	192593	PLATE, TRUCK CAB MOUNT SETTING	1
6	400107	HEX NUT, 3/8"-16 SERRATED FLANGE #5	3
7	400606	HEX JAM NUT 3/8-16"	2
8	405652	HHCS 3/8"-16 x 3/4" #5 PLTD	5
9	407900	HHCS 3/8"-16 x 3/4" SERRATED #5 PLTD	2
10	407901	HHCS 3/8"-16 X 1" SERRATED #5 PLTD	3
11	407904	HHCS 3/8"-16 x 1-1/4" SERRATED #5 PLTD	8
12	409543	SQ HD SET SCREW CUP, 3/8" x 1"	2
13	871095	TRUCK SCALE INDICATOR MOUNT W.A.	1
14	871103	INDICATOR EXTENSION TUBE W.A.	1
15	871111	TRUCK SCALE INDICATOR SWIVEL W.A.	1
16	872263	ARM REST GOOSE NECK W.A.	1
17	872264	ARM REST W.A.	1
18	873389	SHORT ARM REST STAND W.A.	1
19	873390	SHORT TRUCK SCALE IND. BASE W.A.	1
20	873391	BASE, TRUCK CAB MOUNT WA	1
21	873394	BRACKET, DRIVER'S SEAT WA	1

# REAR BUMPER, 10", RECT. LIGHT HOLES #780948



ITEM #	PART #	DESCRIPTION	QTY.
1	185600	TAIL LIGHT BRKT	2
2	192219	PLATE, FLR 10" RR BMPR ROTO-MIX	1
3	400107	HEX NUT, 3/8"-16 SERRATED FLANGE #5	12
4	400115	FLANGE NUT, 5/8-11 SERRATED	8
5	407040	CHCS 3/8"-16 x 1" #5 PLTD	8
6	407121	CHCS 5/8"-11 x 2" #5 PLTD	8
7	407901	HHCS 3/8"-16 X 1" SERRATED #5 PLTD	4
8	873286	BMPR, 10" REAR HALF, RECT. W.A.	2

# REAR BUMPER, 10", ROUND LIGHT HOLES #780949



ITEM #	PART #	DESCRIPTION	QTY.
1	192219	PLATE, FLR 10" RR BMPR ROTO-MIX	1
2	400107	HEX NUT, 3/8"-16 SERRATED FLANGE #5	8
3	400115	FLANGE NUT, 5/8"-11 SERRATED	8
4	407040	CHCS 3/8"-16 x 1" #5 PLTD	8
5	407121	CHCS 5/8"-11 x 2" #5 PLTD	8
6	873287	BMPR, 10" RR HALF RND HOLES W.A.	2



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