



# TRIPLE FLAIL ASSEMBLIES

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**Tiger Corporation**  
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[www.tiger-mowers.com](http://www.tiger-mowers.com)

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# TO THE OWNER / OPERATOR / DEALER

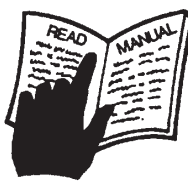



BEFORE YOU START!! Read and understand this manual. Failure to follow safety messages and operating instructions can cause serious bodily injury or even death to operator and others in the area.

READ AND UNDERSTAND THIS MANUAL! Non-English speaking operators will need to GET THE MANUAL TRANSLATED as needed!

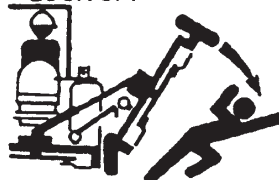
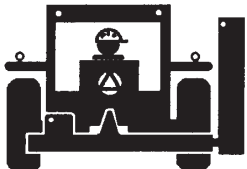




# DANGER

**FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.**

<p>1. </p>	<p>2. NO RIDERS. NO CHILDREN OPERATORS. </p>	<p>3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, ROPS &amp; OPS </p>	<p>4. BLOCK UP SECURELY BEFORE WORKING UNDER. </p>
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1. Study and understand Operator's Manuals, Safety Decals, and Instructional Decals for tractor and implement to prevent misuse, abuse, and accidents. Practice before operating in a confined area or near passersby.
  - Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children
2. Allow no children on or near folding mower or tractor. Allow no riders on tractor or implement. Falling off may cause serious injury or death from being run over by tractor or mower or contact with rotating blades.
3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seat belt securely fastened to prevent injury and possible death from falling off or tractor overturn.
  - Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, & Ear Plugs are recommended.
4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain area is clear before lowering or folding
5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding mowers. Put Booms securely in Transport Rest.
  - Folding and Boom Mowers have raised center of gravity. Slow down when turning and on hillsides.
6. Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.
7. Never operate with Cutting Head or Folding Section raised if passersby, bystanders, or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Guards or mower structure.
8. Before dismounting, secure implement in transport position or lower to ground.
  - Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent crushing by entanglement in rotating parts which could cause injury or death.
  - Never mount or dismount a moving vehicle. Crushing from rollover may cause serious injury or death.

<p>5. TRANSPORT SAFELY, LOCK UP. </p>	<p>6. USE SMV, LIGHTS, &amp; REFLECTORS. </p>	<p>7. DO NOT OPERATE WITH CUTTER OR WING RAISED. </p>	<p>8. DO NOT MOUNT OR DISMOUNT WHILE MOVING. </p>
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# FORWARD

This manual contains information about many features of the Tiger mowing and roadside maintenance equipment. Some of these include: Safety precautions, Assembly instructions, Operations, Maintenance and Parts. This manual will also assist you in the proper break-in, daily care, and troubleshooting of your new mower.

We recommend that you read carefully the entire manual before operating the unit. Also, time spent in becoming fully acquainted with its performance features, adjustments, and maintenance schedules will be repaid in a long and satisfactory life of the equipment.

## **Troubleshooting - Please, before you call, help us to help you!**

Please look at the equipment to observe what is happening, then:

- Classify the problem
  - Hydraulic, electrical or mechanical - Read the trouble shooting section
  - Tractor or Truck chassis - Contact vehicle dealer
  
- If unable to correct the problem yourself, contact your local Tiger Dealer after gathering:
  - Machine model \_\_\_\_\_
  - Serial number \_\_\_\_\_
  - Dealer name \_\_\_\_\_
  - Detailed information about the problem including results of troubleshooting

**Attention Owner / Operator / Dealer:** It is your obligation to read, and understand, the warranty information section located at the back of this manual denoting that the purchaser understands the safety issues relating to this machine and has received and will read a copy of this manual.

If at any time, you have a service problem with your Tiger mower, Contact your local dealer for service and parts needed.

MANUFACTURED BY:

**Tiger Corporation**

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Sioux Falls, SD 57107

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**This symbol means:**

**CAUTION – YOUR SAFETY IS AT RISK!**

When you see this symbol, read and follow the associated instructions carefully or personal injury or damage may result.

Tiger is a registered trademark.





# **SAFETY SECTION**

Safety Section 1-1

# SAFETY

## GENERAL SAFETY INSTRUCTIONS AND PRACTICES

A careful operator is the best operator. Safety is of primary importance to the manufacturer and should be to the owner/operator. Most accidents can be avoided by being aware of your equipment, your surroundings, and observing certain precautions. The first section of this manual includes a list of Safety Messages that, if followed, will help protect the operator and bystanders from injury or death. Read and understand these Safety Messages before assembling, operating or servicing this Implement. This equipment should only be operated by those persons who have read the manual, who are responsible and trained, and who know how to do so responsibly.



The Safety Alert Symbol combined with a Signal Word, as seen below, is used throughout this manual and on decals which are attached to the equipment. The Safety Alert Symbol means: "ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!" The Symbol and Signal Word are intended to warn the owner/operator of impending hazards and the degree of possible injury faced when operating this equipment.

**Practice all usual and customary safe working precautions and above all--- remember safety is up to YOU. Only YOU can prevent serious injury or death from unsafe practices.**



Indicates an imminently hazardous situation that, if not avoided, WILL result in DEATH OR VERY SERIOUS INJURY.



Indicates an imminently hazardous situation that, if not avoided, COULD result in DEATH OR SERIOUS INJURY.



Indicates an imminently hazardous situation that, if not avoided, MAY result in MINOR INJURY.



Identifies special instructions or procedures that, if not strictly observed, could result in damage to, or destruction of the machine, attachments or the environment.

**NOTE:** *Identifies points of particular interest for more efficient and convenient operation or repair.*

READ, UNDERSTAND, and FOLLOW the following Safety Messages. Serious injury or death may occur unless care is taken to follow the warnings and instructions stated in this Manual and in the Safety Messages on the implement. Always follow the instruction in this manual and use good common sense to avoid hazards.



**NOTE:** *If you want a translation of this safety section in one of the following Languages, please contact: Translations at 1502 E. Walnut Street Seguin, TX 78155; Fax: (830) 372-9529; Safety Section Translations are available in Spanish, Portuguese, French, German, Russian. PN GS01*



# SAFETY

## OPERATOR SAFETY

				
Read and understand Operator's Manual	Always wear Safety Glasses	Wear Hard Hat Safety Shoes	Never use Drugs or Alcohol when operating equipment	Wear Safety Vest when operating on or near roads



**TO AVOID SERIOUS INJURY OR DEATH DO THE FOLLOWING:**

- **READ, UNDERSTAND** and **FOLLOW** Operator's Manual instructions, Warnings and Safety Messages.
- **WEAR SAFETY GLASSES**, safety shoes, hard hat, hearing protection and gloves when operating or repairing equipment
- **WEAR** appropriate breathing respirator when operating in dusty conditions to avoid respiratory diseases.
- **DO NOT WEAR** loose clothing or jewelry to avoid rotating parts entanglement injury.
- **DO NOT USE DRUGS** or **ALCOHOL** before or while operating equipment.
- **DO NOT ALLOW** anyone to operate equipment under the influence of drug or alcohol.
- **CONSULT** medical professional for medication impairment side effects.
- **STAY ALERT**, prolonged operation can cause fatigue, **STOP** and **REST**.

### GENERAL OPERATING SAFETY

#### **VISIBILITY CONDITIONS WHEN MOWING:**

- **OPERATE IN DAYLIGHT** or with lights that gives at least 100 yards clear visibility.
- **BE ABLE TO SEE** and identify passersby, steep slopes, ditches, drop-offs, overhead obstructions, power lines, debris and foreign objects.

#### **GROUND SPEED WHEN MOWING:**

- **NORMAL SPEED** range is between 2 to 5mph.
- **ADJUST MOWING SPEED** for terrain conditions and grass type, density and cut height.
- **REDUCE MOWING SPEED** when near steep slopes, ditches, drop-offs, overhead obstructions, power lines and to avoid debris and foreign objects.

#### **INSECT INFESTATION**

- Do Not operate in areas where bees or insects may attack unless you **WEAR PROTECTIVE CLOTHING** or use enclosed tractor cab.

#### **PTO SPEED:**

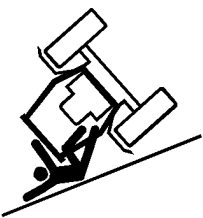
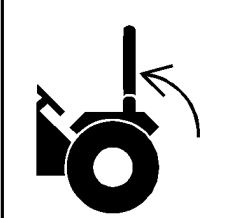
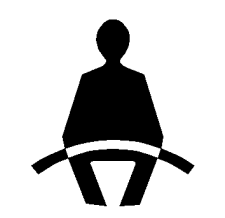
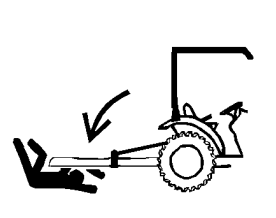

- **DO NOT EXCEED IMPLEMENT RATED PTO SPEED**
- **AVOID** exceeding rated PTO speeds that may result in broken drivelines or blade failures.

#### **SAFETY SIGNS:**

- **REPLACE** missing, damaged or unreadable safety signs immediately. *PN OS01*

# SAFETY

## CRUSHING HAZARDS

				
Crushing injury from roll over	Lock ROPS in up position	Always wear seatbelt	Crushing injury implement falling	Crushing injury wing falling

### **⚠ DANGER**

TO AVOID SERIOUS INJURY OR DEATH FROM FALLING OFF TRACTOR, EQUIPMENT RUN OVER, ROLLOVER AND CRUSHING BY FALLING WING OR IMPLEMENT:

- USE ROPS and SEAT BELT equipped tractors for mowing operations.
- KEEP ROPS lock in up position.
- ALWAYS BUCKLE UP seat belt when operating tractor and equipment.
- ONLY OPERATE tractor and equipment while seated in tractor seat.

#### WHEN RAISING OR LOWERING WINGS:

- Raise or lower ONLY WHILE SEATED in tractor seat with seat belt buckled.
- KEEP BYSTANDERS CLEAR of area TO AVOID crushing.
- KEEP sufficient clearance around implement and wings TO AVOID contacting buildings or overhead power lines.

LIFTED Equipment can fall from mechanical or hydraulic failure or inadvertent Control Lever movement.

### **⚠ WARNING**

TO AVOID EQUIPMENT FALLING while working near or under lifted wings, components and implements raised by 3-Pointed tractor hitch:

- SECURELY SUPPORT or block up raised equipment, wings and components.
- BLOCK UP and securely support equipment before putting hands, feet or body under raised equipment or lifted components.
- KEEP BYSTANDERS CLEAR of folded wings until wings are blocked or locked up.

#### WHEN PARKING Implement and Tractor:

- LOWER implement, LOCK or BLOCK lifted parts before leaving equipment.
- NEVER leave implement unattended in a raised position.

### **⚠ WARNING**

TO AVOID CHILDREN FALLING OFF OR BEING CRUSHED BY EQUIPMENT:

- NEVER ALLOW children to play on or around Tractor or Implement.

#### WHEN UNHITCHING IMPLEMENT:

- LOWER implement, LOCK or BLOCK lifted parts before leaving equipment.

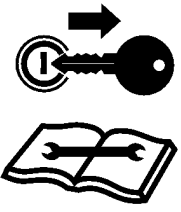
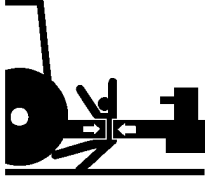

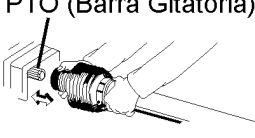
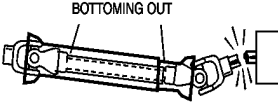
#### BEFORE REMOVING Wing Retaining Lock:

- ATTACH hoses to tractor.
- FILL Wing Cylinders with oil. (*Refer to Instructions in Operation Section*)
- KEEP bystanders away before operating wings.
- LOWER WINGS slowly and carefully. PN CHFM-03

# SAFETY

**SAFETY**

## CONNECTING OR DISCONNECTING IMPLEMENT SAFETY

				
<p>Stop Tractor Remove Key Read Manual</p>	<p>Crushing injury between tractor and implement</p>	<p>Crushing injury wing falling</p>	<p>Make sure PTO shaft is securely attached to tractor</p>	<p>Make sure PTO shaft are proper length</p>



**TO AVOID SERIOUS INJURY OR DEATH FROM BEING CRUSHED BY TRACTOR OR IMPLEMENT:**

**WHEN BACKING tractor to implement hitch:**

- **DO NOT ALLOW BYSTANDERS** between tractor and implement.

**BEFORE connecting and disconnecting implement hitch:**

- **STOP TRACTOR ENGINE**, place transmission into park, engage parking brake and remove key.

**WHEN connecting and disconnecting implement hitch:**

- **DO NOT** crawl or walk under raised mower or wing.

**WHEN CONNECTING IMPLEMENT DRIVELINE:**

**TO AVOID implement driveline coming loose during operation:**

- **LUBRICATE** yoke spring locking collar to ensure it freely slides on PTO shaft.
- **SECURELY** seat yoke locking balls in PTO shaft groove.
- **PUSH** and **PULL DRIVELINE** on both the tractor and implement **PTO SHAFTS** to ensure it is **SECURELY ATTACHED**.

**TO AVOID broken driveline during operations:**

- **CHECK** driveline for proper length between PTO shaft and implement gearbox shaft. *(Refer to Instructions in Operation Section)*
- Drivelines too short can pull apart or disengage.
- Drivelines too long can bottom out.
- Bottoming driveline telescoping assembly will stop sliding and become solid.
- Driveline bottoming can push through support bearings and break off PTO shaft.

**CONTACT DEALER if implement driveline does not match Tractor PTO shaft:**

- **DO NOT USE PTO ADAPTER.**  
Using a PTO adapter can cause:
  - Excessive vibration, thrown objects, blade and implement failures by doubling operating speed.
  - Increased working length exposing unshielded driveline areas and entanglement hazards.




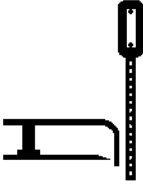
**BEFORE REMOVING WING RETAINING LOCKS:**

- **FILL** Wing Cylinders with oil. *(Refer to Instructions in Operation Section)*
- **KEEP** bystanders clear of area before operating wings.
- **LOWER WINGS** slowly and carefully.

**DO NOT** connect the Mower to a tractor with the PTO directly connected to the Tractor transmission. *PN CDFM-03*

# SAFETY

## THROWN OBJECTS HAZARDS

			
Mower Thrown Objects Hazard	Raised Mower Thrown Objects	Inspect Area remove foreign objects	Do not let blades contact solid objects



ROTARY MOWERS CAN THROW OBJECTS 300 FEET OR MORE UNDER ADVERSE CONDITIONS.

### TO AVOID SERIOUS INJURY OR DEATH TO OPERATOR OR BYSTANDERS FROM THROWN OBJECTS:

- KEEP bystanders 300 feet away

### STOP MOWING IF PASSERSBY ARE WITHIN 300 FEET UNLESS:

- **ALL THROWN OBJECT SHIELDING** including, Front and Rear Deflectors, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- Mower sections or wing are adjusted to be close and parallel to ground without exposing blades.
- **MOWING AREA** has been inspected and foreign materials and debris have been removed.
- **PASSERSBY** are inside enclosed vehicle.

### INSPECT AREA FOR POTENTIAL THROWN OBJECTS BEFORE MOWING:

- **REMOVE** debris, rocks, wire, cable, metal objects and other foreign material from area.  
Wire, cable, rope, chains and metal objects can be thrown or swing outside deck with great velocity:
  1. **MARK** objects that cannot removed.
  2. **AVOID** these objects when mowing.

### HIGH GRASS and WEED AREA INSPECTION:

- **INSPECT** for and **REMOVE** any hidden large debris.
- **MOW** at Intermediate height
- **INSPECT** and remove remaining debris
- **MOW** at final height.

### MOWER THROWN OBJECT SHIELDING:


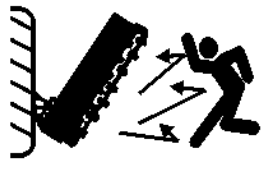

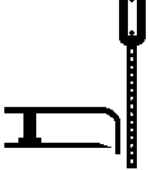
- **KEEP** all thrown object shielding including, Front and Rear Deflectors, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- **DO NOT OPERATE** with any thrown object shielding missing, damaged or removed.

### RIGHT OF WAY (Highway) MOWING

- No shielding is 100% effective in preventing thrown objects. To Reduce Possibility of Injury:
  1. **MAINTAIN MOWER SHIELDING**, side skirts, skid shoes, and blades in good operational condition,
  2. **RAISE CUTTING HEIGHT** to **6 INCHES** minimum,
  3. **INSPECT AREA** thoroughly before mowing to **REMOVE** potential **THROWN OBJECT HAZARDS**,
  4. **NEVER ALLOW BLADES** to **CONTACT SOLID OBJECTS** like wire, rocks, post, curbs, guardrails, or ground while mowing. *PN TOFM-01*

# SAFETY

## THROWN OBJECTS HAZARD (CONTINUED)

			
<p>Mower Thrown Objects Hazard</p>	<p>Raised Mower Thrown Objects</p>	<p>Inspect Area remove foreign objects</p>	<p>Do not let blades contact solid objects</p>

### MOWER OPERATION:

- **DO NOT** exceed mower's rated Cutting Capacity or cut non-vegetative material.
- **USE ENCLOSED TRACTOR CABS** when two or more mowers are operating in mowing area.
- **ADJUST** mower sections or wing close and parallel to ground without exposing blades
- **ADJUST** cutting **HEIGHT** to **AVOID BLADE CONTACT** with solid objects like wire, rocks, posts, curbs, guard rails and fixed obstructions.
- **DO NOT** operate mower when mower is raised or in transport position
- **STOP MOWING** immediately if blades strike heavy objects, fixed structures, metal guard rails and concrete structures:
  1. **BLADES CAN FAIL** from impact and objects can be thrown with great velocity.
  2. **INSPECT** and **REPLACE** any damaged blades.
  3. **CHECK** blade carrier balance and **REPLACE** if damaged.
- **DO NOT** mow in standing water **TO AVOID** possible **BLADE FAILURE**.
- **AVOID MOWING** in reverse:
  1. **STOP PTO** and back up mower.
  2. **LOWER** mower, engage **PTO** and mow forward.
- **STOP PTO** and **BLADES** when raising the mower to transport position.
- **DO NOT ENGAGE PTO** with mower in transport position.
- **STOP** mowing when **EXCESSIVE VIBRATION** occurs:
  1. **STOP PTO** and tractor **ENGINE**.
  2. **INSPECT** mower for vibration source
  3. **REPLACE** any damage parts and bent or damaged **BLADES**. *PN TOFM-02*

**SAFETY**

# SAFETY

## RUN OVER HAZARDS

		
Operator run over hazard	Rider fall off run over hazard	Rider fall off run over hazard



**TO AVOID SERIOUS INJURY OR DEATH FROM FALLING OFF TRACTOR OR EQUIPMENT RUN OVER:**


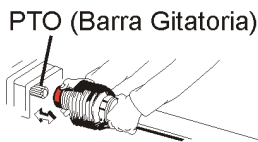
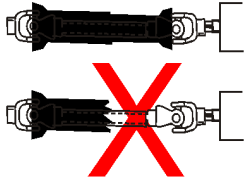
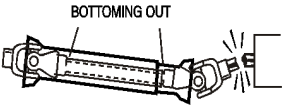
- **USE ROPS** and **SEAT BELT** equipped tractors for mowing operations.
- **KEEP ROPS** locked in **UP** position.
- **ONLY** start tractor while seated in tractor seat.
- **ALWAYS BUCKLE UP** seat belt when operating tractor and equipment.
- **ONLY OPERATE** tractor and equipment while seated in tractor seat.
- **NEVER ALLOW RIDERS** on tractor or implement.

### **WHEN MOUNTING AND DISMOUNTING TRACTOR:**

- **ONLY** mount or dismount when tractor and moving parts are stopped.
- **STOP ENGINE AND PTO**, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. *PN R001*

# SAFETY

## PTO ENTANGLEMENT HAZARDS

			
<p>Entanglement hazard Do Not approach or touch a rotating PTO driveshaft</p>	<p>Make sure PTO shaft is securely attached Do Not Use PTO Adapter</p>	<p>DO NOT Operate if PTO shields are damaged or missing</p>	<p>Make sure PTO shafts are proper length</p>



**KEEP AWAY FROM ROTATING DRIVELINES AND ELEMENTS TO AVOID SERIOUS INJURY OR DEATH:**

**STAY AWAY** and **KEEP** hands, feet and body **AWAY** from rotating blades, drivelines and parts until all moving elements have stopped.

- **STOP, LOOK** and **LISTEN** before approaching the mower to make sure all rotating motion has stopped.
- **ROTATING COMPONENTS CONTINUE** to **ROTATE** after the PTO is shut off.

### PTO SHIELDING:

#### TO AVOID SERIOUS INJURY OR DEATH FROM ENTANGLEMENT WHEN OPERATING IMPLEMENT:

- **KEEP PTO** shields, integral driveline shields and input shields installed
- **DO NOT OPERATE** mower without shields and guards in place or missing
- **REPAIR OR REPLACE** if damage, broken or missing
- **ALWAYS REPLACE GUARDS** that have been removed for service or maintenance.
- Do Not use PTO or PTO guard as a step.

#### TO AVOID broken driveline during operations:

- **CHECK** driveline for proper length between PTO shaft and implement gearbox shaft. *(Refer to Instructions in Operation Section)*
- Drivelines too short can pull apart or disengage.
- Drivelines too long can bottom out.  
Bottoming driveline telescoping assembly will stop sliding and become solid.
- Driveline bottoming can push through support bearings and break off PTO shaft
- **AVOID** sharp turns or lift mower to heights to cause driveline "knocking".
- Lubricate driveshaft-telescoping components weekly.

#### CONTACT DEALER if implement driveline does not match Tractor PTO shaft:

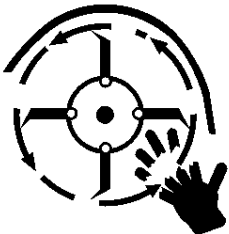
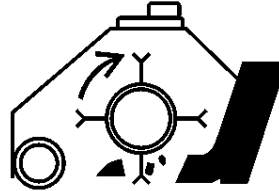
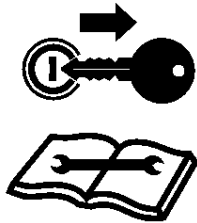
- **DO NOT USE PTO ADAPTER.**

Using a PTO adapter can cause excessive vibration, thrown objects, blade and implement failures by doubling operating speed. Increased working length exposing unshielded driveline areas. **PN PE01**

**SAFETY**

# SAFETY

## MOWER BLADE CONTACT HAZARDS

		
Do not put fingers underneath mower	Do not put foot underneath mower	Stop Tractor Remove Key Read Manual







**KEEP AWAY FROM ROTATING BLADES TO AVOID SERIOUS INJURY OR DEATH FROM BLADE CONTACT:**

- **STAY AWAY** and **KEEP HANDS, FEET** and **BODY AWAY** from rotating blades, drivelines and parts until all moving elements have stopped.
- **DO NOT** put hands or feet under mower decks
- **STOP** rotating **BLADES** disengage PTO and wait for blade to stop rotating before raising mower deck or wings
- **STOP LOOK** and **LISTEN** before approaching the mower to make sure all rotating motion has stopped. *PN MBFM-01*



# SAFETY

## HIGH PRESSURE OIL LEAK HAZARD

			
<p>High pressure oil penetrating skin</p>	<p>High pressure oil eroding skin</p>	<p>Using cardboard to check for oil leaks</p>	<p>Tank contents under pressure. Allow oil to cool before slowly removing cap</p>



**TO AVOID SERIOUS INJURY OR DEATH FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENERATING SKIN:**

- **DO NOT OPERATE** equipment with oil or fuel leaks.
- **KEEP** all hydraulic hoses, lines and connections in **GOOD CONDITION** and **TIGHT** before applying system pressure.
- **RELIEVE HYDRAULIC PRESSURE** before disconnecting lines or working on the system.
- **REMOVE** and replace hose if you suspect it leaks. Have dealer test it for leaks.

**HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE.**

**WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:**

- **ALWAYS WEAR** safety glasses and impenetrable gloves.
- **USE** paper or cardboard to search for leaks.
- **DO NOT USE** hands or body parts to search for leak.
- **KEEP** hands and body **AWAY** from pin holes and nozzles ejecting hydraulic fluid.
- Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor familiar with this form of injury.

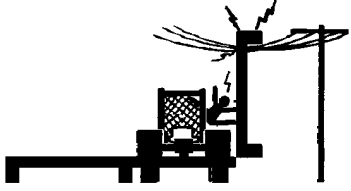
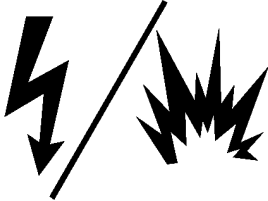

**Use Caution when removing Hydraulic Tank cap.**

- Tank content maybe under pressure.
- Allow oil to cool before removing cap.
- Relieve oil pressure before removing cap slowly.
- Stay away from hot oil that may spray from tank.

*PN HPFM-01*

# SAFETY

## ELECTRICAL & FIRE HAZARDS

		
Wing contacting overhead electrical lines	Strike and explosion Hazard Blades Contacting Utility or Gas Lines	Do not operate near fires. Keep mower deck clear of debris

### **⚠ DANGER**

**TO AVOID SERIOUS INJURY OR DEATH FROM ELECTRICAL CONTACT WHEN WORKING AROUND ELECTRICAL POWER LINES, GAS LINES AND UTILITY LINES:**

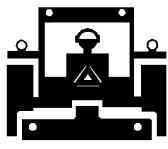


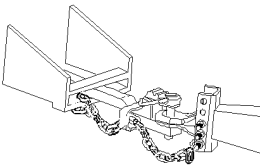

- **INSPECT** mowing area for overhead or underground electrical power lines, obstructions, gas lines, cables and Utility, Municipal, or other type structure.
- **KEEP** all raised wings at a 10 feet or greater distance from all power lines and overhead obstructions.
- **DO NOT** allow mower to contact with any Utility, Municipal, or type of structures and obstructions.
- **CALL 811** and 1-800-258-0808 for identify buried utility lines.

**FIRE PREVENTION GUIDELINES while Operating, Servicing, and Repairing Mower and Tractor to reduce equipment and grass fire Risk:**

- **EQUIP** Tractor with a **FIRE EXTINGUISHER**
- **DO NOT OPERATE** mower on a tractor equipped with under frame exhaust
- **DO NOT SMOKE** or have open flame near Mower or Tractor
- **DO NOT DRIVE** into burning debris or freshly burnt area
- **AVOID FIRE IGNITION** by not allowing mower blade to contact solid objects like metal or rock.
- **ADJUST SLIP CLUTCHES** to avoid excessive slippage and clutch plate heating.
- **CLEAR** any grass clippings or debris buildup around mower drivelines, slip clutches, and gearboxes.
- **SHUT OFF ENGINE** while refueling.
- Do not operate if oil is leaking. Repair oil leak and remove all accumulated oil before operating.
- **CLEAR** any grass clippings or debris buildup around mower hydraulic pumps, valves or tanks. *PN EFFM-01*

# SAFETY

## TRANSPORTING HAZARDS

				
Use SMV signs and Flashing Lights	Loss of Control Stopping Hazard	Loss of Control Speeding Hazard	Use Safety Tow Chain - Tractor to Implement	Engage Transport Locks

### **WARNING**

TO AVOID SERIOUS INJURY AND DEATH WHEN TOWING OR TRANSPORTING EQUIPMENT:

- **KEEP** transport speed **BELOW** 20 mph to maintain control of equipment.
- **REDUCE SPEED** on inclines, on turns and in poor towing conditions.
- **DO NOT TOW** with trucks or other vehicles.
- **USE** only properly sized and equipped tractor for towing equipment.
- **FOLLOW** all local traffic regulations.

#### **TRACTOR REQUIREMENTS FOR TOWING OR TRANSPORTING IMPLEMENTS:**

- **ONLY TRANSPORT** with tractor with **ROPS** in the raised position.
- **USE** properly sized and equipped tractor that exceeds implement weight by at least 20%.
- **KEEP** 20% of tractor weight on front wheels to maintain safe steering.

#### **BEFORE TRANSPORTING OR TOWING IMPLEMENT:**

##### **TRACTOR INSPECTION:**

- **CHECK** steering and braking for proper operation and in good condition.
- **CHECK SMV** sign, reflectors and warning lights for proper operation and visibility behind unit.
- **CHECK** that your driving vision is not impaired by tractor, cab, or implement while seated in tractor seat.
- **ADJUST** your operating position, mirrors, and implement transport for clear vision for traveling and traffic conditions.

#### **PREPARE IMPLEMENT FOR TRANSPORTING OR TOWING:**

##### **ENGAGE TRANSPORT LOCKS AND SAFETY CHAINS:**

- **RAISE MOWER** and **ENGAGE** center axle cylinder transport stops or pins.
- **RAISE WINGS** and **ENGAGE TRANSPORT LOCKS** or pins.
- **ATTACH** implement **SAFETY CHAIN** to tractor.
- **REMOVE** any cut material collected on mower deck.

#### **DETERMINE STOPPING CHARACTERISTICS OF TRACTOR AND IMPLEMENT FOR TRANSPORTING OR TOWING:**

##### **BRAKING TESTS:**

- **INSTALL** center axle cylinder transport stops or pins.
- Observe **STOPPING** distances increases with increased speeds.
- **DETERMINE** the maximum safe transport speed that does not exceed 20 mph.

#### **DETERMINE MAXIMUM TURNING SPEED BEFORE OPERATING ON ROADS OR UNEVEN GROUND:**

- **TEST** equipment in slowly increasing speed in turns to determine it can be operated at higher speeds.
- **USE REDUCED** turning speeds in sharp turns to avoid equipment turning over.

#### **WHEN TOWING OR TRANSPORTING EQUIPMENT:**

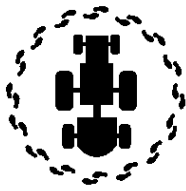
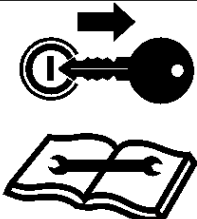
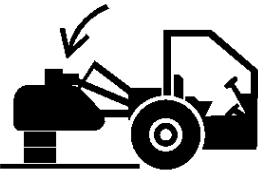


- Always **WEAR SEAT BELT** when operating or transporting mower.
- **USE** low speeds to avoid overturn with raised wings.
- **USE** low speeds and gradual steering on curves, hills, rough or uneven surfaces and on wet roads.
- **TURN ON** tractor **FLASHING WARNING LIGHTS**.
- **ALLOW** clearance for implement swing while turning.

**KEEP** all raised wings at 10 feet or greater distance from all power lines and overhead obstructions. *PN TH01*

SAFETY

# SAFETY

## HAZARDS WITH MAINTENANCE OF IMPLEMENT

				
Periodically inspect all moving parts, lubricate drivelines, and tighten all fasteners	Stop engine remove key before conducting maintenance	Block up implement before servicing Use large blocks on soft or wet soil	Engage cylinder transport locks	Inspect Blades for damage or cracks

**⚠ WARNING** AVOID SERIOUS INJURY OR DEATH FROM COMPONENT FAILURE BY KEEPING IMPLEMENT IN GOOD OPERATING CONDITION IN PERFORMING PROPER SERVICE, REPAIRS AND MAINTENANCE.

**BEFORE PERFORMING SERVICE, REPAIRS AND MAINTENANCE ON THE IMPLEMENT:**

- **STOP ENGINE AND PTO**, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismantling from tractor.
- **PLACE** implement on ground or securely block up raised equipment. Use large blocks on soft or wet soil.
- **PUSH** and **PULL** Remote Hydraulic Cylinder lever to relieve hydraulic pressure.
- **DISCONNECT IMPLEMENT** driveline from tractor **PTO SHAFT**.

**WEAR SAFETY GLASSES, PROTECTIVE GLOVES** and follow **SAFETY PROCEDURES** when performing service, repairs and maintenance on the implement:

- Always **WEAR** protective **GLOVES** when handling blades, knives, cutting edges or worn component with sharp edges.
- Always **WEAR GLOVES** and **SAFETY GLASSES** when servicing hot components
- **AVOID CONTACT** with hot hydraulic oil tanks, pumps, motors, valves and hose connection surfaces.
- **SECURELY** support or **BLOCK UP** raised implement, framework and lifted components before working underneath equipment.
- **STOP** any implement movements and **SHUT-OFF TRACTOR** engine before doing any work procedures.
- **USE** ladder or raised stands to reach high equipment areas inaccessible from ground.
- **ENSURE** good footing by standing on solid flat surfaces when getting on implement to perform work.
- **FOLLOW** manufacturer's instructions in handling oils, solvents, cleansers, and other chemical agents.
- **DO NOT** change any factory-set hydraulic calibrations to avoid component or equipment failures.
- **DO NOT** modify or alter implement, functions or components.
- **DO NOT WELD** or repair rotating mower components. These may cause vibrations and component failures being thrown from mower.

**PERFORM SERVICE, REPAIRS, LUBRICATION AND MAINTENANCE OUTLINED IN IMPLEMENT MAINTENANCE SECTION:**

- **INSPECT** for loose fasteners, worn or broken parts, leaky or loose fittings, missing or broken cotter keys and washers on pins, and all moving parts for wear.
- **REPLACE** any worn or broken parts with authorized service parts.
- **LUBRICATE** unit as specified by lubrication schedule
- **NEVER** lubricate, adjust or remove material while it is running or in motion.
- **TORQUE** all bolts and nuts as specified.

**BLADE INSPECTION:**

- **REPLACE** bent, damage, cracked or broken blades immediately with new blades.
- **AVOID** blade failures and thrown broken blades. **DO NOT** straighten, weld, or weld hard-facing blades.

**SAFETY SHIELDS, GUARDS AND SAFETY DEVICES INSPECTION:**

- **KEEP** all Deflectors, Steel Guards, Gearbox Shields, and PTO integral shields, Bands, Side Skirts and Skid Shoes in place and in good condition.
- **REPLACE** any missing, broken or worn safety shields, guards and safety devices.
- Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- **DISCONNECT** Pump solenoid valve or PTO driveline connection before servicing mower head.
- **FOLLOW INSTRUCTIONS** in maintenance section when replacing hydraulic cylinders to prevent component falling.

*PN HMFM-02*

# SAFETY

## **PARTS INFORMATION**

### PARTS INFORMATION

Tiger mowers use balanced and matched system components for blade carriers, blades, cuttershafts, knives, knife hangers, rollers, drivetrain components, and bearings. These parts are made and tested to Tiger specifications. Non-genuine "will fit" parts do not consistently meet these specifications. The use of "will fit" parts may reduce mower performance, void mower warranties, and present a safety hazard. Use genuine Tiger mower parts for economy and safety. (SPTM-1)

**SEE YOUR TIGER DEALER**

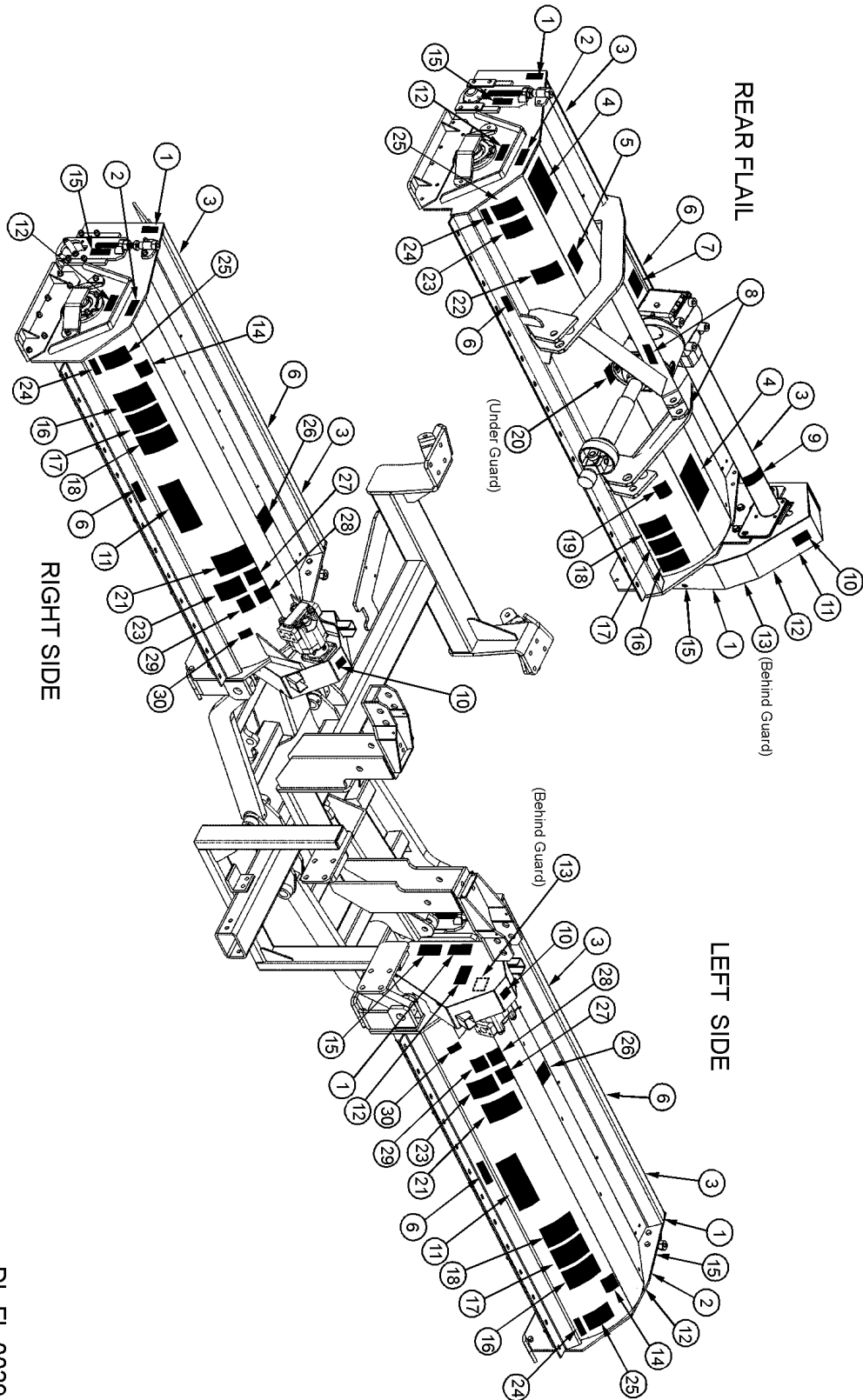
## **Decal Location**

**NOTE:** Tiger supplies safety decals on this product to promote safe operation. Damage to the decals may occur while in shipping, use, or reconditioning. Tiger cares about the safety of its customers, operators, and bystanders, and will replace the safety decals on this product in the field, free of charge (Some shipping and handling charges may apply). Contact your Tiger dealer to order replacement decals.

**SAFETY**

# SAFETY

## SAFETY



DL-FL-0029

Safety Section 1-16

# SAFETY


**SAFETY**

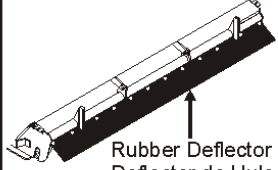
ITEM	PART NO.	QTY.	TYPE	DESCRIPTION
1.	6T3261	6	INSTRUCT	Greasing Instructions
2.	22839	3	INSTRUCT	Do not lubricate with automatic grease gun
3.	42399	6	REFLECTOR	Red Reflector
4.	31523	2	LOGO	Tiger Logo (18.25"x 10")
5.	D708	1	WARNING	Clear away grass or debris
6.	24028	6	DANGER	Thrown Object Hazard
7.	6T-3240	1	IMPORTANT	Use Synthetic Gear Lube
8.	TF-1112	2	IMPORTANT	Place tractor lift arm link pins in vertical position
9.	D713	1	WARNING	Do not operate without guards
10.	00758194	3	WARNING	Pinch Point Hazard
11.	31522	3	LOGO	Tiger Logo (10"x 5.5")
12.	6T3249A	6	INSTRUCT	Greasing Instructions-Cutter Shaft Bearing
13.	D646	3	DANGER	Guard Missing, Do not Operate
14.	D706	1	INSTRUCT	Lubrication Chart - Right/Left Flail
15.	21405	6	INSTRUCT	Standard/Smooth Cut Measurements
16.	D686	3	DANGER	Thrown Object / Crushing Hazard
17.	D687	3	DANGER	Entanglement / Run Over Hazard
18.	D696	3	DANGER	Multi-Hazard
19.	D700	1	INSTRUCT	Lubrication Chart - Rear Flail
20.	D546	1	DANGER	Guard Missing, Do Not Operate
21.	D699	2	WARNING	Multi-Hazard
22.	D547	1	DANGER	Driveline Hazard
23.	32709	3	WARNING	Use Tiger Genuine Parts
24.	42400	3	REFLECTOR	Yellow Reflector
25.	6T3236	3	LOGO	Made in the USA
26.	D703	2	DANGER	Crushing Hazard
27.	02962765	2	DANGER	Crushing Hazard & Pinch Points
28.	02965262	2	WARNING	Oil Leak Hazard
29.	D698	2	DANGER	Crushing Hazard-Injury or Death
30.	6T3221	2	IMPORTANT	Lubricate spindle every 40 hours


# SAFETY

**SAFETY**

## Decal Description

<b>⚠ WARNING</b>	<b>⚠ ADVERTENCIA</b>	
<p><b>TO AVOID EQUIPMENT AND GRASS FIRES:</b></p> <ul style="list-style-type: none"> <li>• CLEAR AWAY grass or debris from slip clutches, gearboxes, drivelines and decks.</li> </ul> <p><b>TO AVOID FIRE IGNITION:</b></p> <ul style="list-style-type: none"> <li>• DO NOT ALLOW BLADES TO CONTACT rocks, metal or solid objects.</li> </ul>		<p><b>PARA EVITAR INCENDIOS DE EQUIPO Y CÉSPED:</b></p> <ul style="list-style-type: none"> <li>• QUITE el césped o escombros de embrague deslizante, caja de engranajes, líneas de conducción y cubiertas.</li> </ul> <p><b>PARA EVITAR INCENDIOS POR IGNICIÓN:</b></p> <ul style="list-style-type: none"> <li>• NO PERMITA QUE LAS LAMINAS CONTACTEN piedras, metal o objetos sólidos.</li> </ul> <p style="text-align: right;"><b>D708</b></p>

<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>	
<p style="text-align: center;"><b>THROWN OBJECT HAZARD</b></p> <p><b>TO AVOID SERIOUS INJURY OR DEATH:</b> DO NOT OPERATE if Thrown Object Shielding is damaged or missing.</p> <ul style="list-style-type: none"> <li>• Maintain Rubber Deflectors in good condition.</li> <li>• Inspect Rubber Deflectors frequently.</li> </ul>	 <p style="text-align: center;">Rubber Deflector Deflector de Hule</p>	<p style="text-align: center;"><b>RIESGO DE OBJETOS LANZADOS</b></p> <p><b>PARA EVITAR LESION SERIA O MUERTE:</b> NO OPERE si la Cubierta de Objetos Lanzados esta dañada o falta.</p> <ul style="list-style-type: none"> <li>• Mantenga Los Deflectores de Hule en buenas condiciones.</li> <li>• Inspeccione Los Deflectores de Hule con frecuencia.</li> </ul> <p style="text-align: right;"><b>24028</b></p>

<b>⚠ WARNING</b>	<b>⚠ ADVERTENCIA</b>	
<p style="text-align: center;"><b>PINCH POINT HAZARD</b></p> <p><b>TO AVOID SERIOUS INJURY:</b></p> <ul style="list-style-type: none"> <li>• DO NOT OPERATE with Belt Shield removed.</li> </ul>		<p style="text-align: center;"><b>RIESGO DE PUNTOS DE PELLIZCO</b></p> <p><b>PARA EVITAR LESION SERIA:</b></p> <ul style="list-style-type: none"> <li>• NO OPERE con la cubierta de correa ausente.</li> </ul> <p style="text-align: right;"><b>00758194</b></p>




# SAFETY

SAFETY



# SAFETY

**SAFETY**

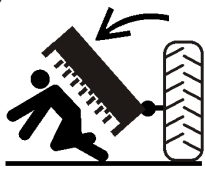
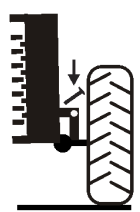
<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>	
<b>KEEP AWAY THROWN OBJECTS HAZARD</b>	<b>CONSERVESE LEJOS OBJETOS LANZADOS</b>	
<p>Mower can throw objects up to 300 feet. <b>TO AVOID SERIOUS INJURY OR DEATH to operator or bystanders:</b></p> <ul style="list-style-type: none"> <li>STOP mowing if bystanders or traffic come within 300 feet.</li> <li><b>DO NOT OPERATE</b> with thrown object shielding removed.</li> <li>KEEP thrown object shielding in place and in good condition during operation.</li> <li>INSPECT area for potential mower thrown object hazards before mowing.</li> <li>Remove and <b>AVOID</b> objects such as wire, cable, metal objects and all other foreign material.</li> <li><b>DO NOT ALLOW</b> blades to contact solid objects like wire, rocks, posts, curbs or guard rails.</li> <li><b>DO NOT OPERATE</b> in transport position or with wings off ground.</li> </ul>	 <p style="text-align: center;"><b>TRASH BASURA</b></p>	<p>Cortacésped puede lanzar objetos hasta 300 pies. <b>PARA EVITAR LESION SERIA O MUERTE a operadores y personas presentes:</b></p> <ul style="list-style-type: none"> <li>Pare de segar si personas o trafico se acercan entre 300 pies del area de segar.</li> <li><b>NO OPERE</b> sin la cubierta para objetos lanzados.</li> <li><b>MANTENGA</b> la cubierta para objeto lanzado en su lugar y en buenas condiciones.</li> <li><b>INSPECCIONE</b> el área por si hay riesgos potenciales de objetos lanzados antes de segar.</li> <li><b>REMUEVA</b> y <b>EVITE</b> objetos come alambre, cable, objetos de metal y todo otro material extranjero.</li> <li><b>NO DEJE</b> que las cuchillas contacten los objetos sólidos como alambre, rocas, postes, borde de banquetta, o barandillas.</li> <li><b>NO OPERE</b> en posicion de transporte o con las alas levantadas.</li> </ul> <p style="text-align: right; font-size: small;">D686_1</p>

<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>	
<b>Crushing Hazard Injury or Death</b>	<b>Riesgo de Aplastamiento Lesion o Muerte</b>	
<p><b>TO AVOID SERIOUS INJURY OR DEATH:</b></p> <ul style="list-style-type: none"> <li>USE tractor equipped with <b>Rollover Protective Structure ("ROPS")</b> including roll bar and seat belt. Keep roll bar in raised position.</li> <li>KEEP ALERT and <b>AVOID</b> hitting stumps, holes, ruts, and uneven terrain.</li> <li><b>ALWAYS BUCKLE UP</b> seat belt.</li> <li>STAND CLEAR when removing transport latch, lowering or raising wings.</li> <li>CLEAR AREA of bystanders before lowering implement wings.</li> <li><b>IMPLEMENT CAN FALL</b> from hydraulic failure or accidental operation of controls.</li> <li><b>BLOCK UP</b> and securely support equipment before putting hands, feet or body under raised equipment or lifted components.</li> </ul> <p style="text-align: right; font-size: small;">D686_3</p>		<p><b>PARA EVITAR LESION SERIA O MUERTE:</b></p> <ul style="list-style-type: none"> <li>USE un tractor equipado con Estructura Protectora Contra Vuelcos ("ROPS") incluyendo barra antivuelco y cinturón de seguridad. Mantenga la barra antivuelco en la posición elevada.</li> <li><b>MANTENGASE ALERTO</b> y <b>EVITE</b> golpes en troncos, agujeros, pozos o terreno en desnivel.</li> <li><b>SIEMPRE ABROCHE</b> el cinturón de seguridad.</li> <li><b>PERMANEZCA ALEJADO</b> al quitar el seguro de transporte, y al bajar o subir las alas.</li> <li><b>DESOCUPE</b> el <b>ÁREA</b> de personas presentes antes de bajar las alas del implemento.</li> <li><b>EL IMPLEMENTO SE PUEDE CAER</b> por el mal funcionamiento hidraulico o operacion accidental de los controles.</li> <li><b>BLOQUEE</b> y soporte con seguridad el equipo antes de poner manos, pies o cuerpo debajo del equipo o componentes levantados.</li> </ul>

# SAFETY

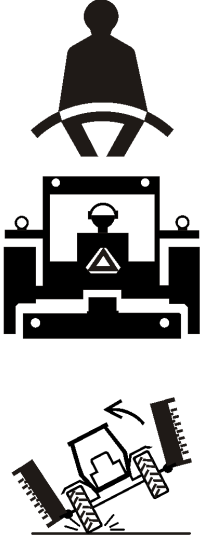
SAFETY

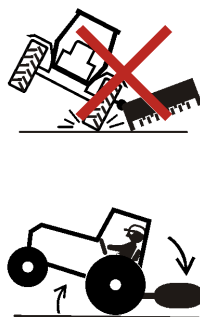
<b>⚠ DANGER</b>			
<b>CRUSHING HAZARD AND PINCH POINTS</b>			
			
<p><b>TO AVOID SERIOUS INJURY OR DEATH:</b></p> <ul style="list-style-type: none"> <li>• KEEP AWAY from moving machinery parts that can pinch, crush or fall.</li> </ul>			
<b>⚠ PELIGRO</b>			
<b>RIESGOS DE APLASTAMIENTO Y PUNTOS DE PELLIZCO</b>			
<p><b>PARA EVITAR LESION SERIA O MUERTE:</b></p> <ul style="list-style-type: none"> <li>• MANTENGASE ALEJADO de piezas moviles de la maquina que pueden peliscar, aplastar o caerse.</li> </ul>			
<small>02962765</small>			


	<b>⚠ DANGER</b>
	Crushing Hazard
	Transport Latch
	<p>RAISE AND SECURELY LOCK Wing Transport Latch before transporting mower on roadways or working under wing.</p>
	<b>⚠ PELIGRO</b>
	Riesgo de Aplastamiento <span style="float: right;"><small>D703</small></span>
	<p>Cierre de Transporte</p> <p>LEVANTE Y DE FORMA SEGURA ATRANQUE el cierre de ala de transporte antes de transportarel cortacépedes en carretera o trabajando abajo de la ala.</p>

# SAFETY

SAFETY




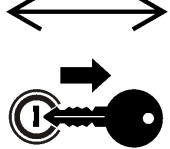
<b>⚠ WARNING</b>		<b>⚠ ADVERTENCIA</b>	
<p><b>TO AVOID SERIOUS INJURY AND DEATH DURING TRANSPORTATION:</b></p> <ul style="list-style-type: none"> <li>• ALWAYS BUCKLE UP seat belt.</li> <li>• PLACE wing securely in Transport latch and turn off master switch.</li> <li>• CHECK SMV sign, reflectors and warning lights for visibility behind unit.</li> <li>• TURN ON tractor flashing warning lights.</li> </ul> <p><b>TO AVOID LOSS OF TRANSPORTATION CONTROL:</b></p> <ul style="list-style-type: none"> <li>• DO NOT travel at speeds over 20 mph.</li> <li>• REDUCE SPEED on inclines, in turns and in poor weather conditions.</li> </ul>		<p><b>PARA EVITAR LESION SERIA Y MUERTE DURANTE LA TRANSPORTACION:</b></p> <ul style="list-style-type: none"> <li>• SIEMPRE ABROCHE el cinturón de seguridad.</li> <li>• COLOQUE el brazo seguramente en transporte y apague el interruptor principal.</li> <li>• VERIFIQUE QUE EL SMV, reflectors, y luces intermitentes de advertencia pueden ser vistos claramente por detras de la unidad.</li> <li>• PRIENDA las luces intermitentes de advertencia.</li> </ul> <p><b>PARA EVITAR LA PÉRDIDA DEL CONTROL DE TRANSPORTACION:</b></p> <ul style="list-style-type: none"> <li>• NO remolque en velocidades arriba de 20 mph.</li> <li>• REDUZCA LA VELOCIDAD en inclinas, en vueltas y en pobres condiciones de remolque.</li> </ul>	<p>D699_1</p>



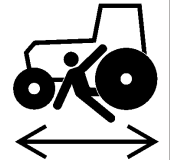
<b>⚠ WARNING</b>		<b>⚠ ADVERTENCIA</b>	
<p><b>TO AVOID SERIOUS INJURY AND DEATH DURING OPERATION:</b></p> <ul style="list-style-type: none"> <li>• DO NOT lift implement while on steep slopes.</li> <li>• KEEP AWAY from soft ditch banks and holes.</li> <li>• ALWAYS MAINTAIN 20% of tractor weight on front wheels.</li> <li>• DO NOT start or accelerate suddenly.</li> <li>• KEEP mower AT LEAST 10 FEET AWAY from electric lines and pipe lines.</li> </ul>		<p><b>PARA EVITAR LESION SERIA Y MUERTE DURANTE LA OPERACION:</b></p> <ul style="list-style-type: none"> <li>• NO levante el implemento al estar en pendientes pronunciados..</li> <li>• MANTENGASE ALEJADO DE agujeros y zanjas blandas..</li> <li>• MANTENGA SIEMPRE el 20% de peso del tractor en las ruedas delanteras.</li> <li>• NO comience ni acelere repentinamente.</li> <li>• MANTENGA la unidad, por lo menos 10 pies de distancia de las líneas electricas y líneas de tubo.</li> </ul>	<p>D699_2</p>

<b>⚠ WARNING</b>		<b>⚠ ADVERTENCIA</b>	
<p><b>TO AVOID EQUIPMENT AND GRASS FIRES:</b></p> <ul style="list-style-type: none"> <li>• CLEAR AWAY grass or debris from hydraulic lines, circuits and decks.</li> </ul> <p><b>TO AVOID FIRE IGNITION:</b></p> <ul style="list-style-type: none"> <li>• DO NOT ALLOW BLADES TO CONTACT rocks, metal or solid objects.</li> <li>• DO NOT ALLOW OIL TO SPRAY on hot equipment or components.</li> </ul>		<p><b>PARA EVITAR INCIENDOS DE EQUIPO Y CÉSPED:</b></p> <ul style="list-style-type: none"> <li>• QUITE el césped y escombros de las líneas hidraulicas, circuito, y las cubiertas.</li> </ul> <p><b>PARA EVITAR INCIENDOS POR IGNICIÓN:</b></p> <ul style="list-style-type: none"> <li>• NO PERMITA QUE LAS CUCHILLAS CONTACTEN piedras, metal o objetos solidos.</li> <li>• NO PERMITA QUE EL ACEITE CAIGA en el equipo o componentes calientes.</li> </ul>	<p>D699_3</p>

# SAFETY

**SAFETY**

<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>
<b>KEEP AWAY</b> Entanglement Hazard	<b>MANTENGASE ALEJADO</b> Riesgo de Enredamiento
<p><b>TO AVOID SERIOUS INJURY OR DEATH:</b></p> <ul style="list-style-type: none"> <li>• DO NOT operate without guards in place and in good condition.</li> <li>• STAY AWAY and KEEP hands, feet and body AWAY from rotating blades, drivelines and parts that continue to move after power shut-off. WAIT until all moving elements have stopped.</li> <li>• STOP, LOOK and LISTEN for rotating motion before approaching implement.</li> <li>• STOP ENGINE and PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor.</li> </ul>	<div style="display: flex; flex-direction: column; align-items: center;">     </div> <p><b>PARA EVITAR LESION SERIA O MUERTE:</b></p> <ul style="list-style-type: none"> <li>• NO opere sin la cubierta protectora en su lugar y en buen estado.</li> <li>• MANTENGASE ALEJADO y MANTENGA manos, pies y cuerpo LEJOS de las cuchillas girando, líneas de conducción, y partes que siguen moviéndose después de que el poder es apagado. ESPERE hasta que todos los elementos móviles se han parado.</li> <li>• DETENGASE, OBSERVE y ESCUCHE por el movimiento de rotación antes de acercarse al implemento.</li> <li>• PARE EL MOTOR y el Toma De Fuerza (Barra Gítoria) active el freno de mano, baje el implemento, y permita que todas las partes móviles se paren y quite la llave antes de desmontar del tractor.</li> </ul> <p style="text-align: right; font-size: small;">D687_1</p>

<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>
<b>Run Over Hazard</b> Injury or Death	<b>Riesgo de Atropello</b> Lesión o Muerte
<p><b>TO AVOID SERIOUS INJURY OR DEATH:</b></p> <ul style="list-style-type: none"> <li>• ALWAYS USE Roll Over Protective Structure ("ROPS") including ROLL BAR and SEAT BELT equipped tractors for mowing operations.</li> <li>• ONLY START Tractor while seated in the operator's seat.</li> <li>• DO NOT MOUNT or DISMOUNT Tractor in motion.</li> <li>• NEVER ALLOW riders on tractor or implement.</li> <li>• NEVER ALLOW children to operate or ride on tractor or implement.</li> <li>• KEEP BYSTANDERS CLEAR of area before moving tractor or implement.</li> <li>• STOP ENGINE AND PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor.</li> </ul> <p style="text-align: right; font-size: small;">D687_2</p>	<div style="display: flex; flex-direction: column; align-items: center;">    </div> <p><b>PARA EVITAR LESION SERIA O MUERTE:</b></p> <ul style="list-style-type: none"> <li>• SIEMPRE USE tractors equipados con una Estructura Protectora Contra Vuelcos ("ROPS") incluyendo BARRA ANTIVUELCOS y CINTURON DE SEGURIDAD al segar.</li> <li>• SOLO ENCIENDA el tractor mientras que esta sentado en el asiento del operador.</li> <li>• NO MONTE o DESMONTE el tractor en movimiento.</li> <li>• NUNCA PERMITA pasajeros en el tractor o implemento.</li> <li>• NUNCA PERMITA que niños operen o se monten en el tractor o implemento.</li> <li>• MANTENGA LAS PERSONAS PRESENTES LEJOS de la area antes de mover el tractor o implemento.</li> <li>• PARE EL MOTOR Y Toma De Fuerza (Barro Gítoria), aplique el freno de mano, baje el implemento, y deje que todas las partes movíl paren completamente, y quite la llave antes de desmontar el tractor.</li> </ul> <p style="text-align: right; font-size: small;">D687</p>

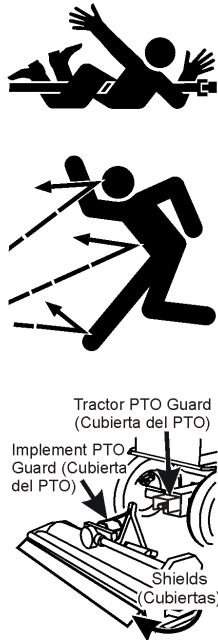
# SAFETY

SAFETY

## ⚠ DANGER

**TO AVOID SERIOUS INJURY OR DEATH FROM ENTANGLEMENT AND THROWN OBJECTS:**

- DO NOT OPERATE mower without shields and guards in place and in good condition.
- DO NOT OPERATE with thrown object shielding or guards missing.
- Thrown objects shielding, PTO and gearbox guarding are **SUBJECT TO WEAR**.
- REPAIR OR REPLACE shielding if damaged, broken or missing. See Operator's Manual for all Shields and Guards.
- ALWAYS REPLACE GUARDS that have been removed for service or maintenance.
- DO NOT STEP ON drivelines or guards. **D696\_1**



## ⚠ PELIGRO

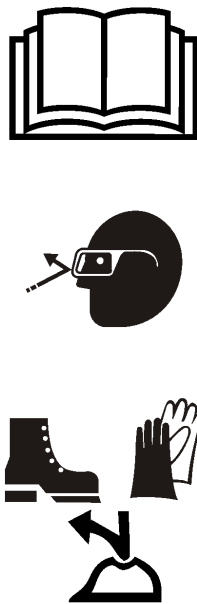
**PARA EVITAR LESION SERIA O MUERTE POR ENREDAMIENTO Y OBJETOS LANZADOS:**

- NO OPERE la unidad sin cubiertas maya protectoras en su lugar y en buenas condiciones.
- NO OPERE sin las cubiertas de objetos lanzados o si faltan las maya protectoras.
- Cubierta de Objetos Lanzados, Toma De Fuerza (Barra Gitorial) y guardias de caja de engranaje son **SUJETO AL DESGASTE**.
- REPARE O REEMPLACE cubiertas si son dañadas, quebradas, o si faltan.
- SIEMPRE REEMPLACE CUBIERTAS que han sido quitadas para servicio o mantenimiento.
- NO PISE EN las líneas de conducción o cubiertas.

## ⚠ DANGER

**TO AVOID SERIOUS INJURY OR DEATH:**

- READ AND UNDERSTAND the provided Operator's Manuals, safety signs and information decals for tractor and implement before operating equipment.
- CONTACT DEALER immediately if you do not have manuals.
- CONTACT DEALER to explain any instructions not fully understood.
- KNOW HOW to stop tractor and equipment quickly for an emergency.
- ALWAYS WEAR safety glasses.
- WEAR hard hat, safety shoes and gloves for protection when operating equipment. **D696\_2**




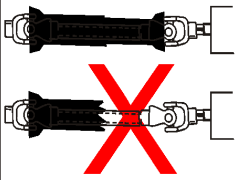
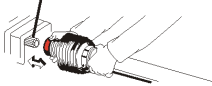
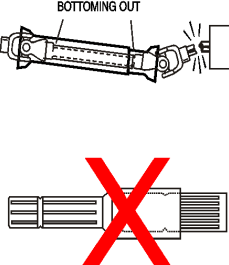
## ⚠ PELIGRO

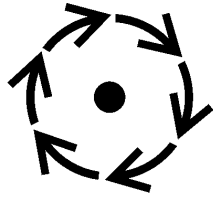
**PARA EVITAR LESION SERIA O MUERTE:**

- LEA Y ENTIENDA el Manual de Operador proporcionado, signos de seguridad y calcomanias informativas para el tractor y implemento antes de operar el equipo.
- CONTACTE AL DISTRIBUIDOR inmediatamente si no tiene los manuales.
- CONTACTE AL DISTRIBUIDOR para que le explique cualquier instrucciones que no entiende completamente.
- ENTIENDA COMO parar el tractor y equipo rapidamente en caso de una emergencia.
- SIEMPRE USE lentes de seguridad.
- USE un casco, zapatos de seguridad y guantes para su protection cuando esta operando el equipo. **D696**

# SAFETY




**SAFETY**

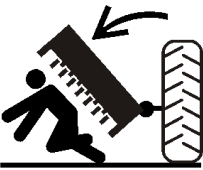

<b>⚠ DANGER</b>	<b>⚠ PELIGRO</b>	
<p><b>TO AVOID SERIOUS INJURY OR DEATH FROM DRIVELINE CONTACT, DRIVELINE SEPARATION OR PTO STUB SHAFT FAILURE:</b></p> <ul style="list-style-type: none"> <li>STOP, LOOK and LISTEN for rotating motion before approaching implement.</li> <li>STAY AWAY and KEEP hands, feet and body AWAY from rotating parts until all moving elements have stopped.</li> <li>ALWAYS shut off PTO before dismounting.</li> <li>DO NOT operate if PTO shields are damaged or missing.</li> <li>LOCK DRIVELINE locking collar YOKE to tractor PTO Shaft.</li> <li>PUSH AND PULL on yoke until collar clicks and locks yoke in place.</li> <li>USE CORRECT length drivelines for implement. (See Operator's Manuals for procedure)</li> <li>CHECK driveline guards for free rotation and sufficient overlap to avoid unshielded areas.</li> <li>DO NOT USE PTO ADAPTER</li> </ul> <p style="text-align: right; font-size: small;">D547-1</p>	<div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>PTO (Barra Gitoria)</p>  </div> <div style="text-align: center;"> <p>BOTTOMING OUT</p>  </div>	<p><b>PARA EVITAR LESION SERIA O MUERTE POR CONTACTO A LA LÍNEA DE CONDUCCIÓN, SEPARACION DE LÍNEA DE CONDUCCIÓN O EL FRACASO DEL EJE DE PTO:</b></p> <ul style="list-style-type: none"> <li>PARE, MIRE y ESCUCHE por el movimiento de rotación antes de acercarse al implemento.</li> <li>MANTENGASE ALEJADO y MANTENGA manos, pies y cuerpo LEJOS de partes girando, hasta que todos los elementos de movimiento se han parado.</li> <li>SIEMPRE apague la Toma De Fuerza (Barra Gitoria) antes de desmontar.</li> <li>NO opere si las cubiertas de Toma De Fuerza (Barra Gitoria) estan dañadas.</li> <li>TRABE el YUGO de collar de fijación de la LÍNEA DE CONDUCCIÓN al eje de PTO (Barra Gitoria) del tractor.</li> <li>EMPUJE Y JALE el yugo hasta que el collar de fijación hace clic y el yugo se traba en lugar.</li> <li>USE la longitud de línea de conducción CORRECTA para el implemento. (Vea el Manual de Operador para el Procedimiento)</li> <li>REVISE las guardias de línea de conducción por giracion libre y suficiente traslape para evitar areas sin cobertura.</li> <li>NO UTILICE UN ADAPTOR PARA LA TOMA DE FUERZA (Barra Gitoria).</li> </ul>

<b>⚠ WARNING</b>	<b>⚠ ADVERTENCIA</b>	
<p>OPERATE THIS MACHINE AT <b>540 RPM</b> TRACTOR PTO SPEED ONLY. Overspeeding PTO may cause component failure resulting in bodily injury. TRACTOR PTO ROTATION: CLOCKWISE</p> <p style="text-align: right; font-size: small;">D547-2</p>		<p>OPERE ESTA MÁQUINA A <b>540 RPM</b> SOLAMENTE OPERE ESTA MÁQUINA A LA VELOCIDAD DE PTO (TOMA DE FUERZA O BARRA GITATORIA) DEL TRACTOR DE 540 RPM. El sobre exceso de velocidad de PTO puede causar el fracaso de componente que resultara en lesión. ROTACION DE PTO DEL TRACTOR: EN SENTIDO HORARIO</p> <p style="text-align: right; font-size: small;">D547</p>

# SAFETY

SAFETY

<b>⚠ WARNING</b>		<b>⚠ ADVERTENCIA</b>	
<p><b>TO AVOID SERIOUS INJURY OR DEATH FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENETRATING SKIN:</b></p> <ul style="list-style-type: none"> <li>• DO NOT OPERATE equipment with oil or fuel leaks.</li> <li>• KEEP all hydraulic hoses, lines and connections in good condition and tight before applying system pressure.</li> <li>• Relieve hydraulic pressure before disconnecting lines or working on the system.</li> <li>• REMOVE and replace hose if you suspect it leaks. Have dealer test it for leaks.</li> </ul> <p><b>HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE. WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:</b></p> <ul style="list-style-type: none"> <li>• DO NOT use hands to check for leaks.</li> <li>• ALWAYS WEAR safety glasses and impenetrable gloves.</li> <li>• USE paper or cardboard to search for leaks.</li> <li>• KEEP hands and body AWAY from pin holes and nozzles ejecting hydraulic fluid.</li> <li>• Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor familiar with this form of injury.</li> </ul>	    	<p><b>PARA EVITAR LESION SERIA O MUERTE POR LA PENETRACION A LA PIEL POR ALTA PRESION DE ACEITE HIDRÁULICO:</b></p> <ul style="list-style-type: none"> <li>• NO OPERE el equipo con fugas de aceite o combustible.</li> <li>• MANTENGA todas las mangueras hidráulicas, líneas y conexiones en buenas condiciones y apretadas antes de aplicar presión al sistema.</li> <li>• Releve la presión hidráulica antes de desconectar las líneas o trabajar en le sistema.</li> <li>• QUITE y reemplace la manguera si sospecha que hay fuga.</li> </ul> <p><b>FUGAS DE ALTA PRESIÓN PUEDEN SER INVISIBLE. AL VERIFICAR POR FUGAS HIDRAULICAS Y TRABAJANDO ALREDEDOR DE SISTEMAS HIDRAULICOS:</b></p> <ul style="list-style-type: none"> <li>• NO use las manos para verificar si hay agujeros.</li> <li>• SIEMPRE USE lentes de seguridad y guantes impenetrables.</li> <li>• USE papel o un cartón para buscar agujeros.</li> <li>• NO USE las manos o partes del cuerpo para buscar agujeros.</li> <li>• MANTEGA manos y cuerpo LEJOS de agujeros de alfiler y boquillas que expulsan el liquido hidráulicos.</li> </ul>	<p>02965262</p>

<b>⚠ DANGER</b>		<b>⚠ PELIGRO</b>	
<b>Crushing Hazard - Injury or Death</b>		<b>Riesgo de Aplastamiento Lesion o Muerte</b>	
<p><b>TO AVOID SERIOUS INJURY OR DEATH:</b></p> <ul style="list-style-type: none"> <li>• STAND CLEAR when removing transport latch, lowering or raising wings.</li> <li>• CLEAR AREA of bystanders before lowering implement wings.</li> <li>• IMPLEMENT CAN FALL from hydraulic failure or accidental operation of controls.</li> <li>• BLOCK UP and securely support equipment before putting hands, feet or body under raised equipment or lifted components.</li> <li>• SECURELY ENGAGE transport latch before transportation or working under wing.</li> <li>• FILL CYLINDERS with oil before attempting to lower implement wings.</li> <li>• DO NOT OPERATE in transport position or with wings off ground.</li> </ul>	  	<p><b>PARA EVITAR LESION SERIA O MUERTE:</b></p> <ul style="list-style-type: none"> <li>• MANTENGASE LEJOS al quitar el cierre de transporte, bajando y devantando las alas.</li> <li>• DESOCUPE EL AREA de personas presentes antes de bajar las alas del implemento.</li> <li>• EL IMPLEMENTO PUEDE CAER del fracaso hidráulico o por operación accidental de controles.</li> <li>• BLOQUEE y soporte con seguridad antes de poner manos, pies o cuerpo debajo del equipo de componentes levantados.</li> <li>• CON SEGURIDAD ACTIVE el cierre de transporte antes de la transportacion o trabajar debajo de las alas.</li> <li>• LLENE LOS CILINDROS con aceite antes de intentar de bajar las alas del implemento.</li> <li>• NO OPERE en posicion de transporte o con las alas devantadas del la tierra.</li> </ul>	<p>D698</p>



# SAFETY

## Federal Laws and Regulations

This section is intended to explain in broad terms the concept and effect of federal laws and regulations concerning employer and employee equipment operators. This section is not intended as a legal interpretation of the law and should not be considered as such.

### Employer-Employee Operator Regulations

U.S. Public Law 91-596 (The Williams-Steiger Occupational and Health Act of 1970) OSHA

#### This Act Seeks:

“...to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources...”

#### DUTIES

Sec. 5 (a) Each employer-

- (1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees;
- (2) shall comply with occupational safety and health standards promulgated under this Act.
- (b) Each employee shall comply with occupational safety and health standards and all rules, regulations and orders issued pursuant to this Act which are applicable to his own actions and conduct.

### OSHA Training Requirements

**Title 29, Code of Federal Regulations Part 1928.57(a)(6).** [www.osha.gov](http://www.osha.gov)

Operator instructions. At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee who operates an agricultural tractor and implements in the safe operating practices and servicing of equipment with which they are or will be involved, and of any other practices dictated by the work environment.

Keep all guards in place when the machine is in operation;

Permit no riders on equipment

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain the equipment.

Make sure everyone is clear of machinery before starting the engine, engaging power, or operating the machine.

### Employer Responsibilities:

To ensure employee safety during Tractor and Implement operation, it is the employer's responsibility to:

1. Train the employee in the proper and safe operation of the Tractor and Implement.
2. Require that the employee read and fully understand the Tractor and Implement Operator's manual.
3. Permit only qualified and properly trained employees to operate the Tractor and Implement.
4. Maintain the Tractor and Implement in a safe operational condition and maintain all shields and guards on the equipment.
5. Ensure the Tractor is equipped with a functional ROPS and seat belt and require that the employee operator securely fasten the safety belt and operate with the ROPS in the raised position at all times.
6. Forbid the employee operator to carry additional riders on the Tractor or Implement.
7. Provide the required tools to maintain the Tractor and Implement in a good safe working condition and provide the necessary support devices to secure the equipment safely while performing repairs and service.
8. Require that the employee operator stop operation if bystanders or passersby come within 300 feet.

### Child Labor Under 16 Years of Age

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin #102.)



# ASSEMBLY SECTION

# ASSEMBLY

Before attempting to mount your Tiger mower, it is important to read and understand all of the safety messages in the Safety Section of this manual.

Read the safety messages in the Safety Section of this manual before attempting to mount your Tiger mower. Failure to do so could result in injury or death.



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## TRACTOR PREPARATION

Read the safety messages in the Safety Section of this manual before attempting to mount your Tiger mower. Failure to do so could result in injury or death.

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(ASM-JD-0001)

## ADJUSTING REAR WHEELS

Follow the instructions in the tractor owner's manual for adjusting tires and rims. Failure to do so could result in injury or death.



# ASSEMBLY

## CRANKSHAFT ADAPTER

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## DRIVESHAFT AND FRONT PUMP MOUNTING

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**CAUTION: DO NOT START THE TRACTOR UNTIL ALL HOSES ARE ATTACHED, TANK IS FILLED WITH PROPER OIL AND BALL VALVES ARE OPEN! STARTING AT THIS TIME WILL CAUSE SERIOUS DAMAGE TO THE PUMP. (ASM-C-0091)**



# ASSEMBLY

## HYDRAULIC TANK INSTALLATION

1. Position the hydraulic tank on the side of the mower deck. The tank has a hanger frame and mounting bracket attached to the side. The hanger frame is used to secure the tank to the mower deck. The mounting bracket is used to secure the tank to the side of the mower deck. The tank is used to store hydraulic fluid for the mower deck. The tank is used to store hydraulic fluid for the mower deck.



## COOLER MOUNTING

1. Mount the side bumper cooler to the side of the mower deck. The cooler is used to cool the hydraulic fluid. The cooler is used to cool the hydraulic fluid. The cooler is used to cool the hydraulic fluid.



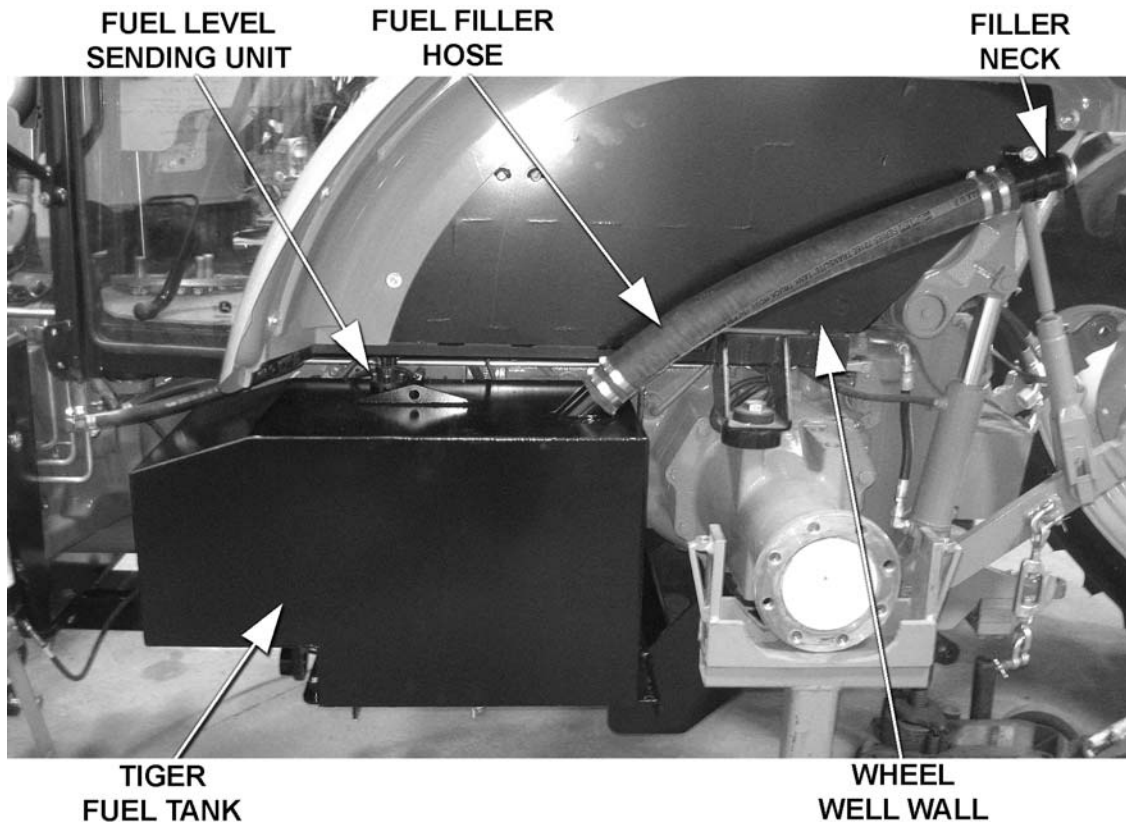
# ASSEMBLY

## REPLACING LEFT SIDE FUEL TANK

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# ASSEMBLY

## SWITCHBOX WIRING

Use a test light or meter to verify that the power taken for the switchbox is "HOT" only when the tractor ignition is "ON".

NOTE: Be certain that the power taken for the switchbox is "HOT" only when the tractor ignition is "ON".

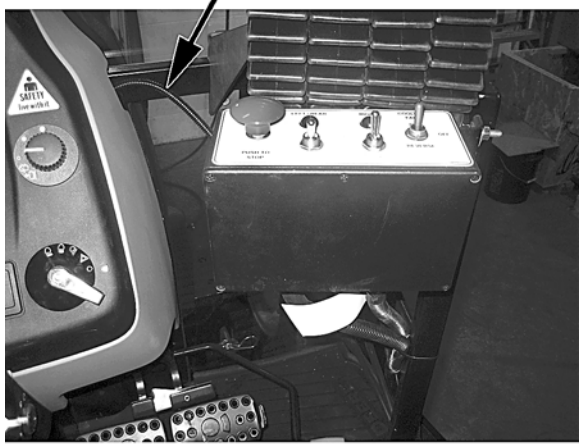
NOTE: Be certain that the power taken for the switchbox is "HOT" only when the tractor ignition is "ON".

NOTE: Be certain that the power taken for the switchbox is "HOT" only when the tractor ignition is "ON".

WIRES FROM SWITCHBOX TO CONSOLE

AUXILLARY PLUG

REAR WINDOW WITH RUBBER GROMMET



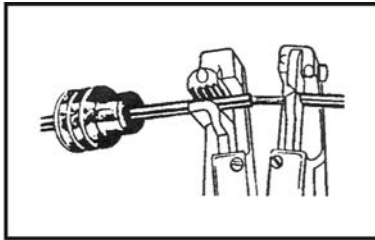
# ASSEMBLY

## WEATHER-PACK / METRI-PACK ASSEMBLY

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**NOTE: Use the specific tool for the type of connector you are assembling.**

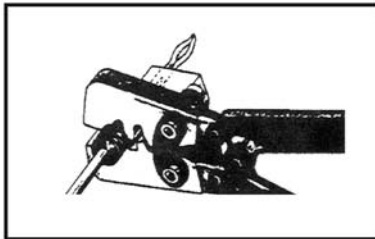
(ASM-C-0009)



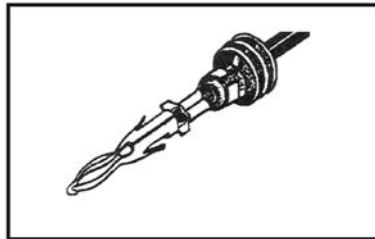
1. Apply seal to cable, before stripping insulation.



2. Align seal with cable insulation.



3. Put terminal in crimping tool, then position wire and seal in place.



4. Crimp and visually inspect for a good crimp before installing in connector body.

## SIDE MIRROR REMOVAL

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(ASM-JDT3F 0055)



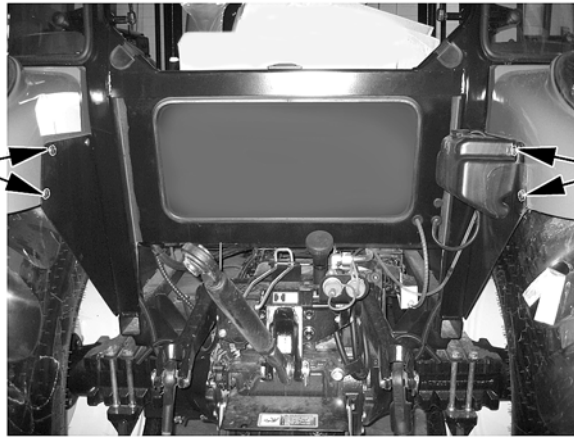
# ASSEMBLY

## VALVE MOUNTING

Remove the lift valve from the engine. The lift valve is located on the right side of the engine. To remove the lift valve, first disconnect the lift valve hose. Then, use a wrench to loosen the nut that secures the lift valve to the engine. Once the nut is loosened, pull the lift valve away from the engine. The lift valve is extremely heavy and contains small parts. Please handle the lift valve with care. It is extremely heavy and contains small parts. (ASM-JD-0065)

Remove the lift valve from the engine. The lift valve is located on the right side of the engine. To remove the lift valve, first disconnect the lift valve hose. Then, use a wrench to loosen the nut that secures the lift valve to the engine. Once the nut is loosened, pull the lift valve away from the engine. The lift valve is extremely heavy and contains small parts. Please handle the lift valve with care. It is extremely heavy and contains small parts. (ASM-JD-0065)

BOLT HOLE LOCATIONS FOR VALVE MOUNTING



BOLT HOLE LOCATIONS FOR VALVE MOUNTING



# ASSEMBLY

## FENDER MODIFICATION

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•@, } A^||, EÖe^i& cã \*A^iã S[ & A æ^A^A} ]| aã A@Aã^A^E^ ASM-JD6xxxD T3F FENDER CUT



# ASSEMBLY

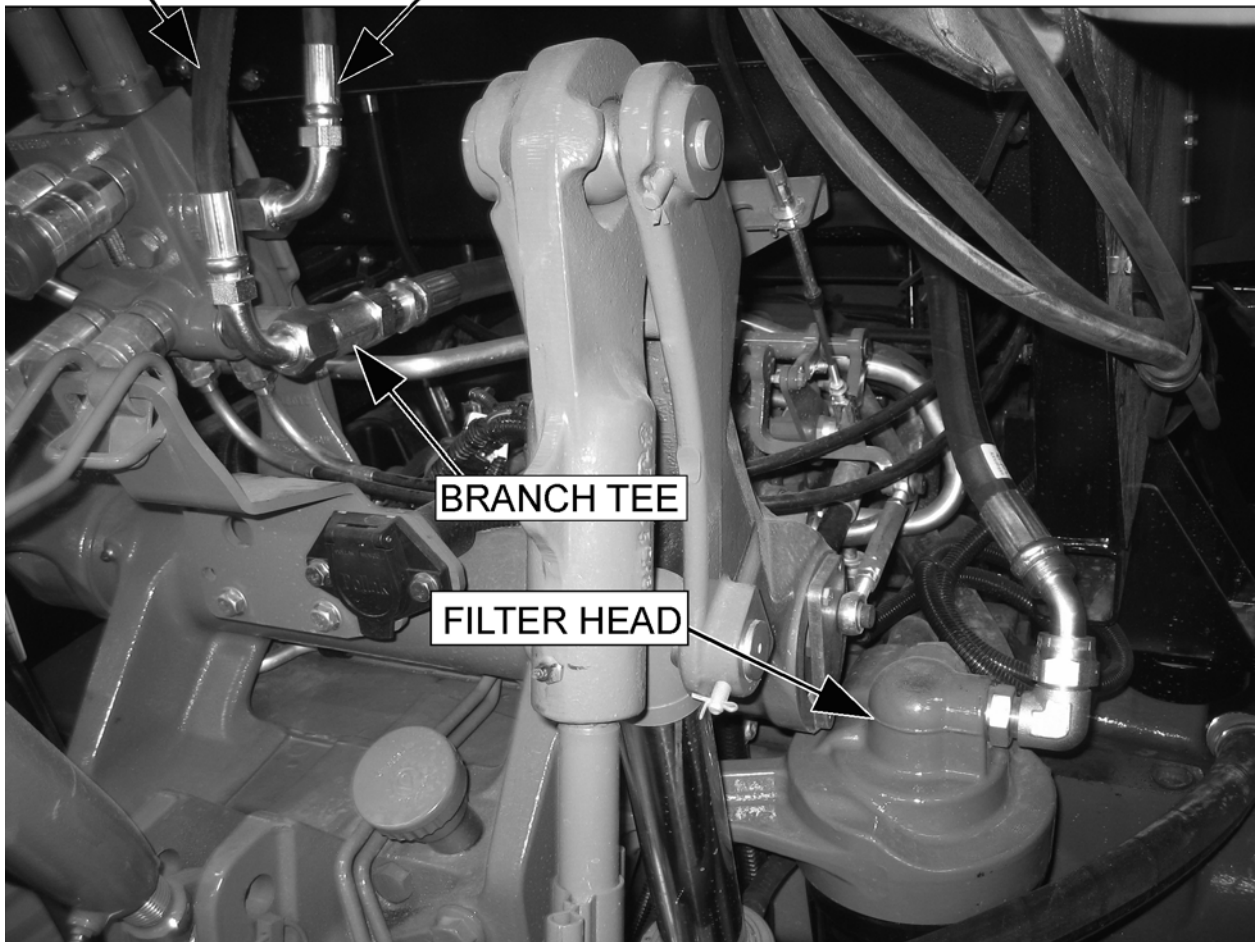
## TRACTOR PLUMBING

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RETURN

PRESSURE



# ASSEMBLY

## MANUAL LIFT VALVE PORTS

Á



(ASM-C-0102)

## MANUAL SWITCHBOX MOUNTING

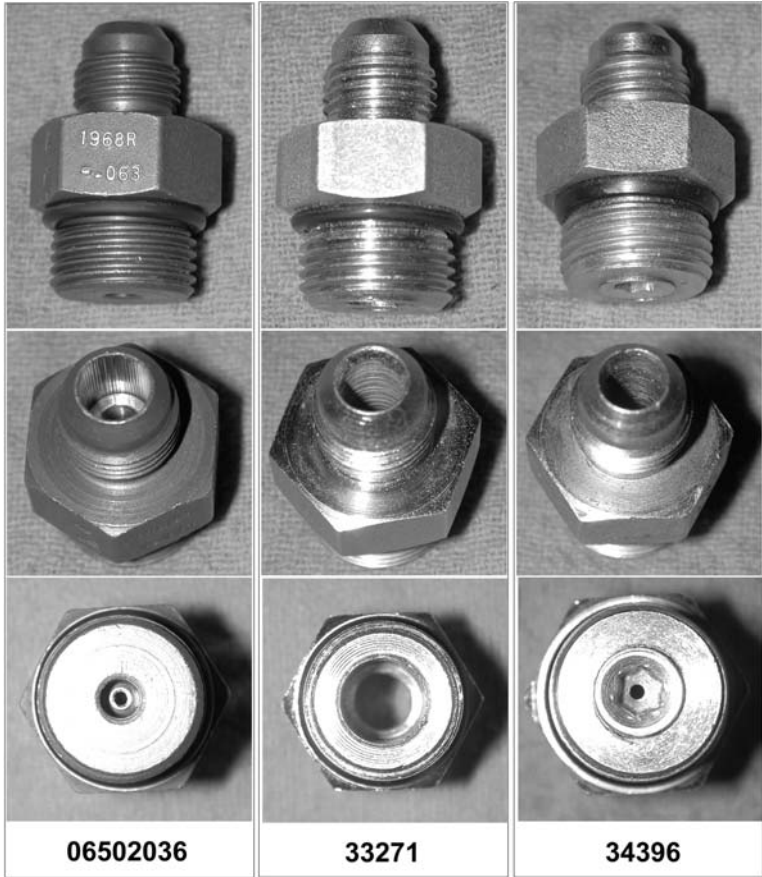
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Ü^~!Á Á@Á ã@Á^&ç } Á | Á •^ { à^ Á ç á& [ ] [ ] ^ } qÁ ^^á^áÉ (ASM-C-0071)



# ASSEMBLY

## \*NOTE ON HUSCO CONTROL VALVES\*

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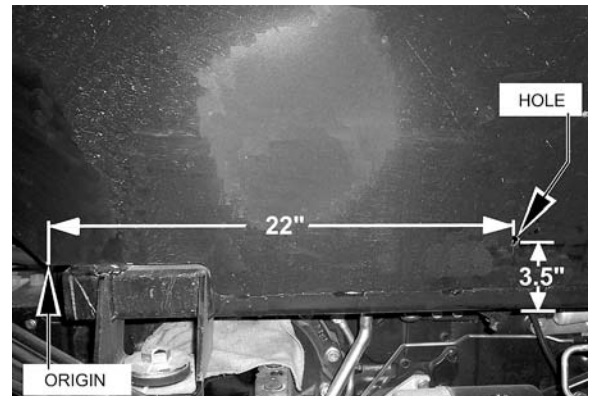
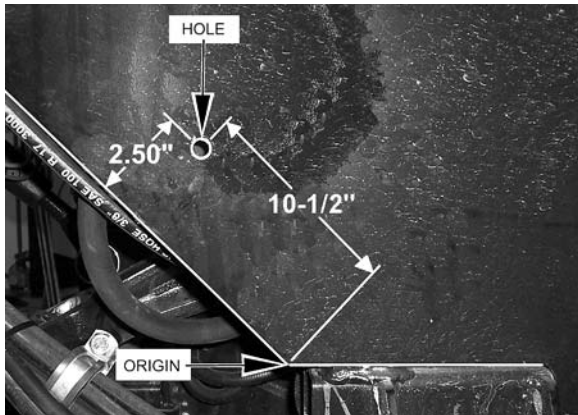


# ASSEMBLY

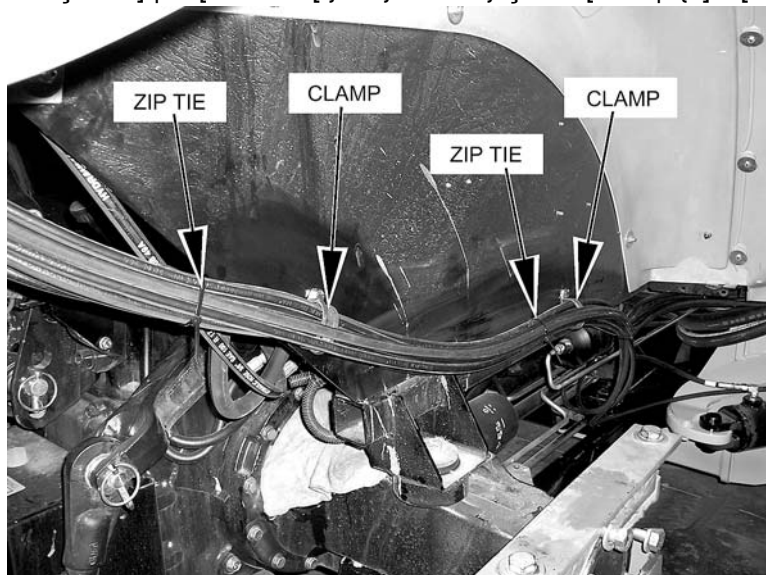
## HOSE AND WIRE ROUTING

1. Route hoses and wires from the origin point to the destination point.
   
 2. Do not cut into tubes, hoses, or wires when drilling through metal or plastic.
   
 3. Use zip ties and clamps to secure hoses and wires to the chassis.
   
 4. Maintain a minimum clearance of 2.50 inches from the origin point.
   
 5. Maintain a minimum clearance of 10-1/2 inches from the destination point.
   
 6. Maintain a minimum clearance of 22 inches from the origin point.
   
 7. Maintain a minimum clearance of 3.5 inches from the destination point.
   
 8. Use the following dimensions for hole placement:
   
 9. 2.50" from origin to hole.
   
 10. 10-1/2" from hole to destination.
   
 11. 22" from origin to hole.
   
 12. 3.5" from hole to destination.

**NOTE: DO NOT CUT INTO TUBES / HOSES / WIRES WHEN DRILLING THROUGH METAL OR PLASTIC!** (ASM-JD-0068)



13. Use zip ties and clamps to secure hoses and wires to the chassis.
   
 14. Maintain a minimum clearance of 2.50 inches from the origin point.
   
 15. Maintain a minimum clearance of 10-1/2 inches from the destination point.
   
 16. Maintain a minimum clearance of 22 inches from the origin point.
   
 17. Maintain a minimum clearance of 3.5 inches from the destination point.
   
 18. Use the following dimensions for hole placement:
   
 19. 2.50" from origin to hole.
   
 20. 10-1/2" from hole to destination.
   
 21. 22" from origin to hole.
   
 22. 3.5" from hole to destination.







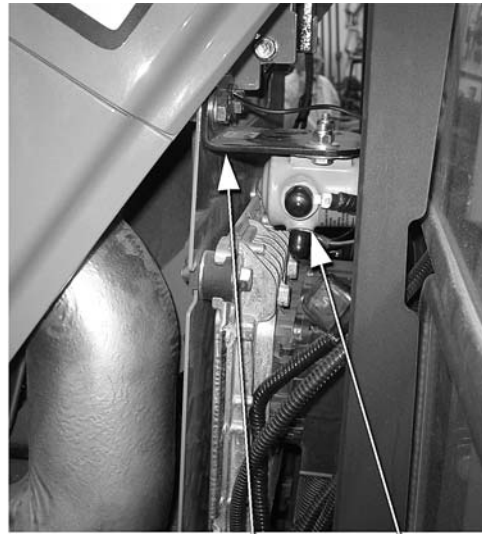
# ASSEMBLY

## CONTINUOUS DUTY SOLENOID SWITCH

1. Connect the red 14-gauge wire from the solenoid switch to the red 14-gauge wire from the +12 volt auxiliary plug.  
 2. Connect the black 14-gauge wire from the solenoid switch to the battery ground.  
 3. Connect the orange 10-gauge wire from the +12 volt battery through a 30-amp fuse to terminal A of the solenoid switch.  
 4. Connect the red 14-gauge wire from the solenoid switch to the optional temperature gauge.  
 5. Connect the red 10-gauge wire from the solenoid switch through a 30-amp fuse to the switch box.

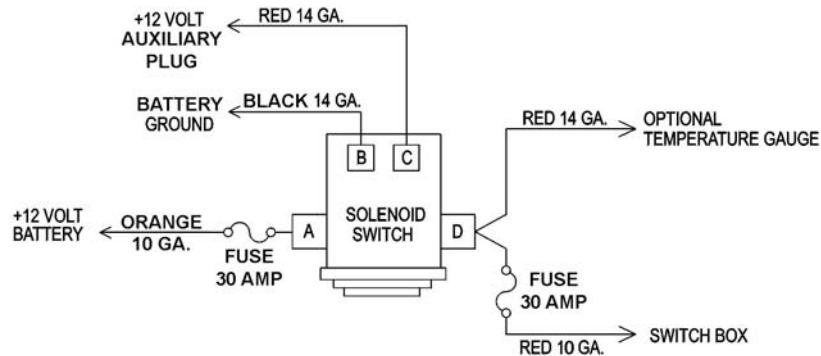


MOUNTING LOCATION OF SOLENOID SWITCH



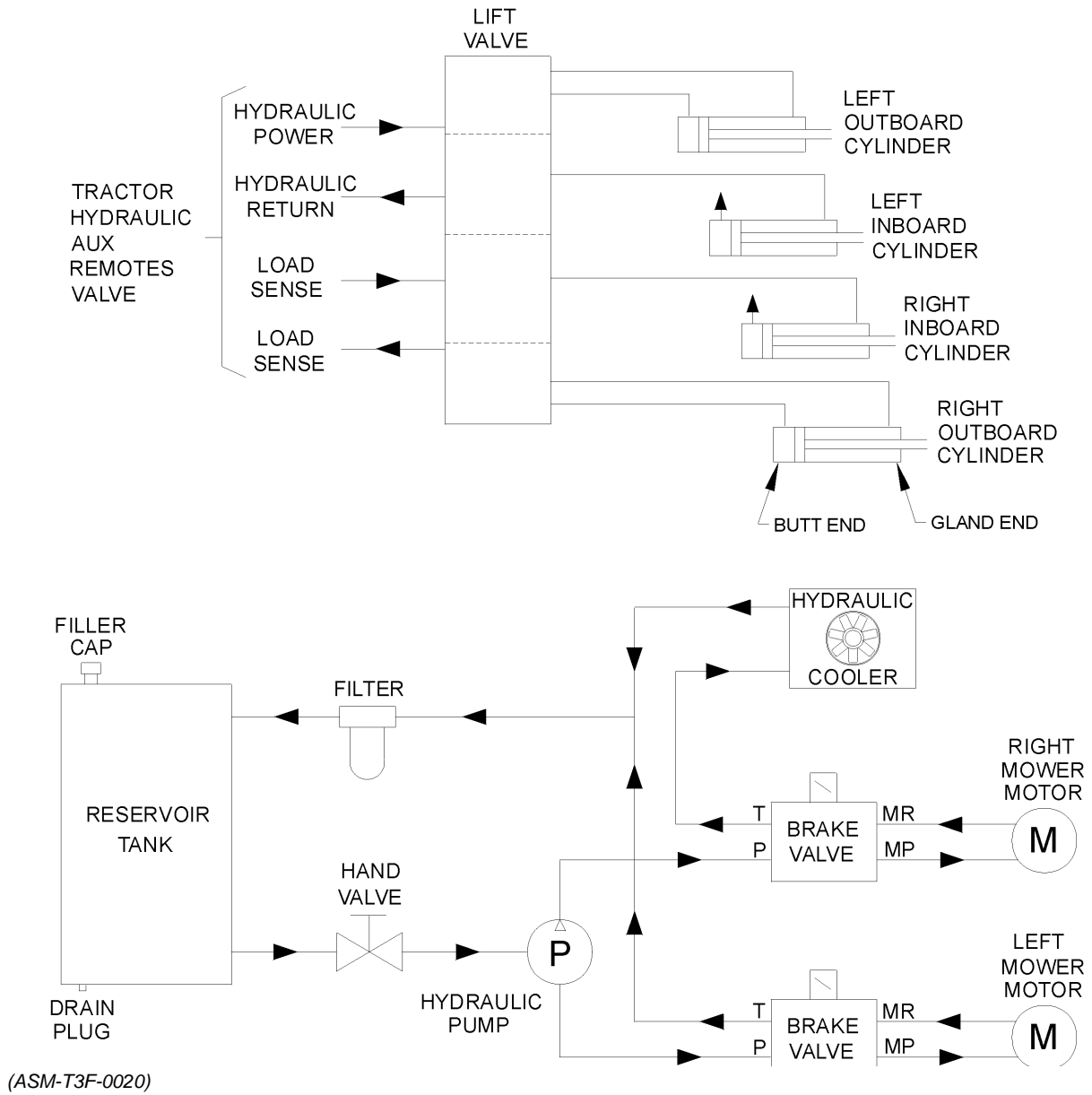
MOUNTING BRACKET SOLENOID SWITCH

1. Connect the red 14-gauge wire from the solenoid switch to the red 14-gauge wire from the +12 volt auxiliary plug.  
 2. Connect the black 14-gauge wire from the solenoid switch to the battery ground.  
 3. Connect the orange 10-gauge wire from the +12 volt battery through a 30-amp fuse to terminal A of the solenoid switch.  
 4. Connect the red 14-gauge wire from the solenoid switch to the optional temperature gauge.  
 5. Connect the red 10-gauge wire from the solenoid switch through a 30-amp fuse to the switch box.



# ASSEMBLY

## TRIPLE FLAIL HYDRAULIC DIAGRAM





# ASSEMBLY

## LIMIT SWITCH MOUNTING

### ASSEMBLING LIMIT SWITCH

1. Insert the limit switch into the mounting bracket. The limit switch should be inserted with the top side of the switch facing up. The limit switch should be inserted into the mounting bracket until the top side of the switch is flush with the top surface of the mounting bracket.

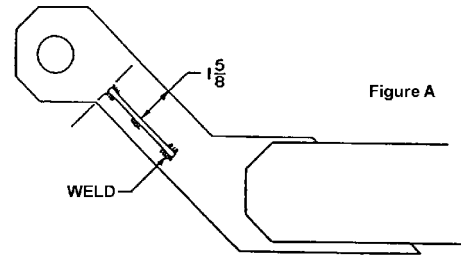


Figure A

2. The limit switch should be inserted into the mounting bracket until the top side of the switch is flush with the top surface of the mounting bracket. The limit switch should be inserted into the mounting bracket until the top side of the switch is flush with the top surface of the mounting bracket.

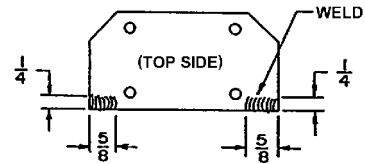


Figure B

### ADJUSTING LIMIT SWITCH

1. The limit switch should be adjusted so that the switch is in the 'ON' position when the mower is in the 'STOP' position.

2. The limit switch should be adjusted so that the switch is in the 'OFF' position when the mower is in the 'STOP' position.

3. The limit switch should be adjusted so that the switch is in the 'ON' position when the mower is in the 'STOP' position. The limit switch should be adjusted so that the switch is in the 'OFF' position when the mower is in the 'STOP' position.

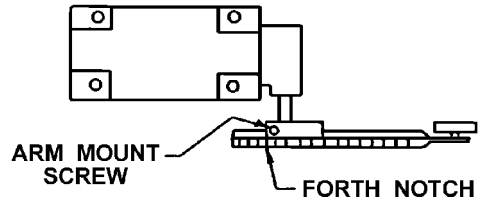


Figure C

### WIRING LIMIT SWITCH

1. The limit switch should be wired to the mower's electrical system. The limit switch should be wired to the mower's electrical system. The limit switch should be wired to the mower's electrical system.

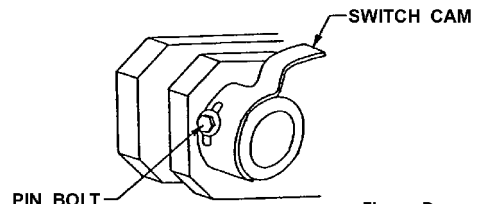


Figure D

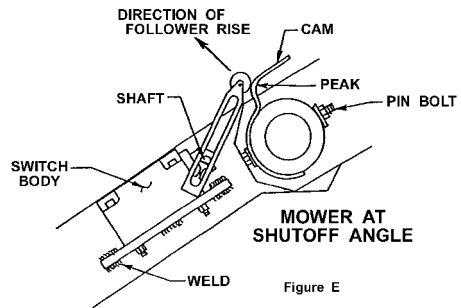


Figure E

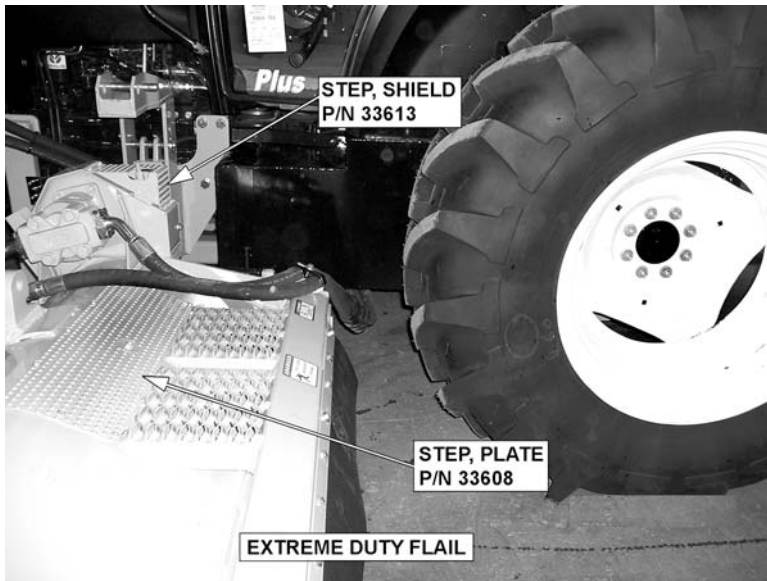
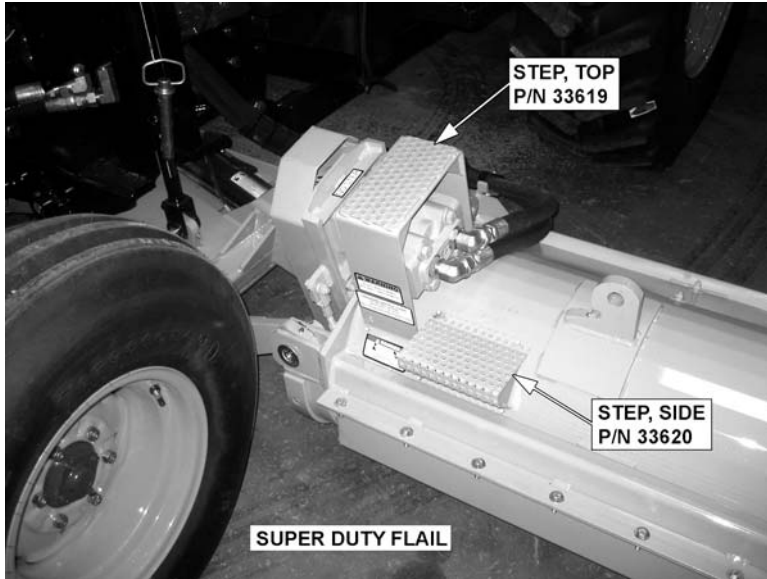


# ASSEMBLY

## LEFT SIDE FLAIL STEPS

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(ASM-T3F-0024)

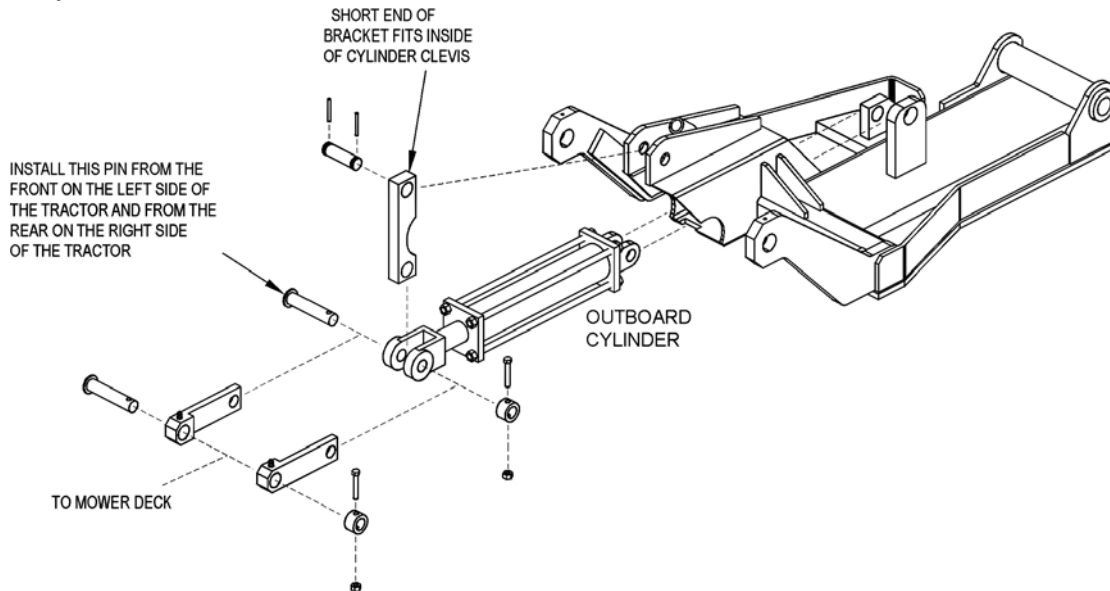


# ASSEMBLY

## MOWER MOUNTING

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## LIFT CONTROL FEEDLINES

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# ASSEMBLY

## TRAVEL LOCK INSTALLATION

1. Attach the travel lock bracket to the rear of the tractor. The bracket should be mounted to the rear of the tractor, behind the rear wheel. The bracket should be mounted to the rear of the tractor, behind the rear wheel. The bracket should be mounted to the rear of the tractor, behind the rear wheel.

2. Attach the travel lock hook to the travel lock bracket. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel.

3. Attach the travel lock hook to the travel lock bracket. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel.

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8. Attach the travel lock hook to the travel lock bracket. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel. The hook should be attached to the travel lock bracket, behind the rear wheel. (ASM-T3F-0025a)





# ASSEMBLY

## DECK / MOTOR FEEDLINE

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# OPERATION SECTION

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# OPERATION



**DO NOT** ... **AVOID** ... **OPERATION** ...



**WARNING** ... **OPERATION** ...

### 3. GETTING ON AND OFF THE TRACTOR

... **OPERATION** ...



**WARNING** ... **OPERATION** ...



#### 3.1 Boarding the Tractor

... **OPERATION** ...

... **OPERATION** ...



**DANGER** ... **OPERATION** ...



# OPERATION



Before starting the tractor, ensure that the parking brake is engaged and the PTO is disengaged. Failure to do so may result in injury or damage to the tractor.



When working on the tractor, always use proper safety techniques. Do not touch any moving parts while the tractor is running. Always use the correct tools and procedures for any maintenance or repair work.



OPERATION

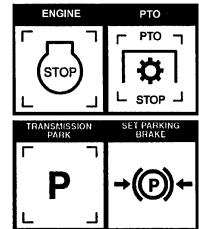
## 3.2 Dismounting the Tractor

Before dismounting the tractor, ensure that the parking brake is engaged and the PTO is disengaged. Failure to do so may result in injury or damage to the tractor. Always use proper safety techniques when working on the tractor. Do not touch any moving parts while the tractor is running. Always use the correct tools and procedures for any maintenance or repair work.

When working on the tractor, always use proper safety techniques. Do not touch any moving parts while the tractor is running. Always use the correct tools and procedures for any maintenance or repair work.



Before starting the tractor, ensure that the parking brake is engaged and the PTO is disengaged. Failure to do so may result in injury or damage to the tractor. Always use proper safety techniques when working on the tractor. Do not touch any moving parts while the tractor is running. Always use the correct tools and procedures for any maintenance or repair work.







# OPERATION



Observe safety instructions and warnings in the operator's manual. Do not operate the tractor with the rear flail attachment unless you are trained and qualified to do so. Always use proper safety techniques when operating the tractor. See the tractor operator's manual for more information.

OPERATION

## 5.1 Connecting the Rear Flail to the Tractor

1. Lower the rear flail to the ground. See the tractor operator's manual for more information.

2. Attach the rear flail to the tractor. See the tractor operator's manual for more information.

3. Adjust the rear flail height. See the tractor operator's manual for more information.



Op-64

4. Check the rear flail operation. See the tractor operator's manual for more information.



Op - 128

5. Test the rear flail operation. See the tractor operator's manual for more information.



# OPERATION

OPERATION

## 6. SETTING THE MOWER

NOTE: Avoid very low cutting heights, striking the ground with the blades gives the most damaging shock loads and will cause damage to the mower and drive. Blades contacting the ground may cause objects to be thrown out from under the mower deck. Always avoid operating the mower at a height which causes the blades to contact the ground.



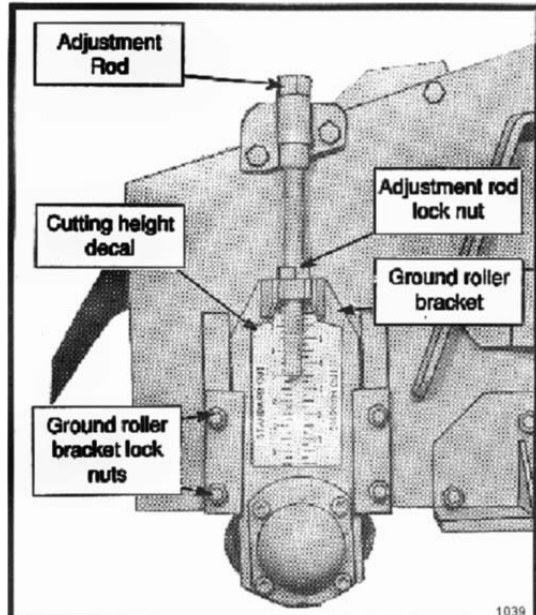
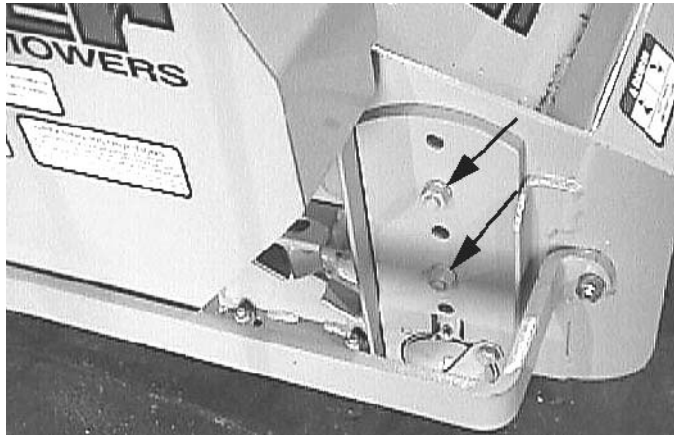
WARNING: Avoid very low cutting heights, striking the ground with the blades gives the most damaging shock loads and will cause damage to the mower and drive. Blades contacting the ground may cause objects to be thrown out from under the mower deck. Always avoid operating the mower at a height which causes the blades to contact the ground.



### 6.1 Roller Height Adjustment

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1. Turn the roller height adjustment knob clockwise to raise the roller height and counter-clockwise to lower it. The cutting height is indicated on the cutting height decal. The ground roller bracket lock nuts should be tightened after adjusting the roller height.



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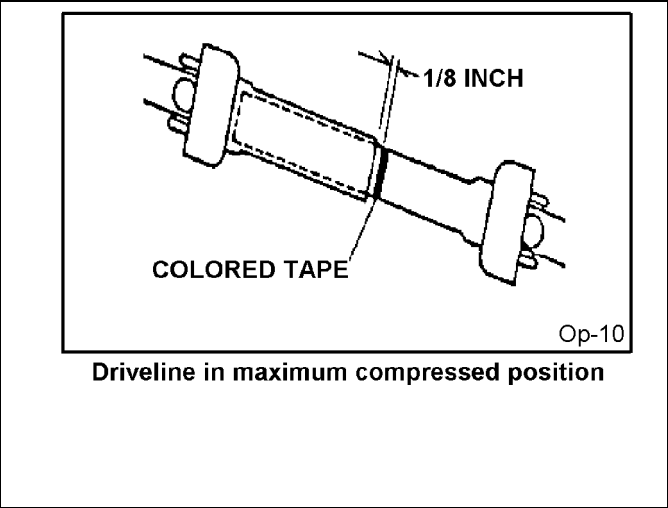
# OPERATION

OPERATION

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## “Bottoming Out” Check Procedure

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Driveline in maximum compressed position



# OPERATION

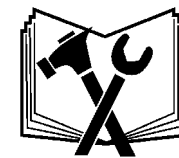
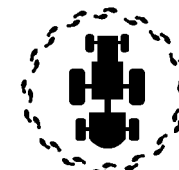
OPERATION



**DO NOT** ... **DO NOT** ...



**WARNING** ...



## 8.1 Tractor Pre-Operation Inspection/Service

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# OPERATION

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OPERATION

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# OPERATION

## Tractor PRE-OPERATION Inspection



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Before conducting the inspection, make sure the tractor engine is off, all rotation has stopped and the tractor is in park with the parking brake engaged. Make sure the mower is resting on the ground or securely blocked up and all hydraulic pressure has been relieved.

OPERATION

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**DO NOT OPERATE an UNSAFE TRACTOR or MOWER**

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# OPERATION

## Flail Mower PRE-OPERATION Inspection



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Before conducting the inspection, make sure the tractor engine is off, all rotation has stopped and the tractor is in park with the parking brake engaged. Make sure the mower is resting on the ground or securely blocked up and all hydraulic pressure has been relieved.

Kgo	Eqpf kkp'cv' Uctv'qh'Uj khv	Ur gekhe'Ego o gpw'kh' pqv'QMD
Vj g'Qr gtcvtat'O cpwcn'ku'lp'vj g'ecplvgt		
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**DO NOT OPERATE an UNSAFE TRACTOR or MOWER**

VÜÖŠÖÄÖŠÖŠ

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**OPERATION**

# OPERATION

OPERATION

## 9. DRIVING THE TRACTOR AND IMPLEMENT

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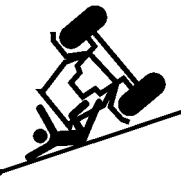
Óç |Átæq } [ |ç \* Áo@Áiædq |Áæq áÁQ ] |{ ^ } dEÁcÁ { q ^Áo@Á ] |{ ^ } Átæq } [ |oÁ ^Áá . Á ] ^ | Áæq áÁo@Á ^~ q { ^ } dEÁ æ Á^ ^ÁÁ |Á^ Áææ^Á Áo@Á || , q \* Á^ |Á . K

V . oÁo@Átædq |ÁæÁ || , Á ] ^ÁáÁæq áÁ & ^æ^Áo@Á ^ÁáÁ || , |EÁQ ] | Áo@Áiæq ^Á { [ | ç q ÁæcÁ { q ^Áo@Á d ] } q \* ÁæææcÁ æ Á -Áo@Áiædq |Áæq áÁQ ] |{ ^ } dEÁE Á | ~ Áq & ^æ^c@Á . } ^ÁáÁ -Áo@Áiædq |ÁcÁ . d ] } q \* Ááá çæ & Áq & ^æ^Á . EÁO^cÁ { q ^Áo@Á Áæq ~ { dæq } [ |oÁ ^ÁáÁ [ oÁ Á ç & ^ÁáÁEÁ ] @ÁEÁ ] @Á |Átæq } [ |ç \* Áo@Á ^~ q { ^ } dE

V . oÁo@Á ^~ q { ^ } oÁæÁ || , Á ] ^ÁáÁ Á } . EÁQ & ^æ^Áo@Á ^ÁáÁ @ | ~ \* @Áo@Á } Á ] |ÁæcÁ ^ | ~ ÁæcÁ { q ^Áo@Á ^~ q { ^ } oÁæq ÁáÁ ] ^iæa^Áæq @ | Á ] ^ÁáEÁM ^Á çd^ { ^Áææ çæ áÁá^ & Á^ |Á^ ^Áá @ } Ác } } q \* Á @æ | Áç Á |Áç^ } oÁo@Átædq |Áæq áÁq ] |{ ^ } oÁ [ { c } } q \* Á çÁ |EÁO^cÁ { q ^Áo@Á Áæq ~ { Ác } } q \* Á ^ÁáÁ |Á | ~ Áæq áÁo@Á ^~ q { ^ } oÁæcÁ |Á ] ^iææq \*Á } Á [ æ . Á |Á^ç^ } Á | ~ } áE

U ] |Átæq } [ |o@Áiædq |Áæq áÁQ ] |{ ^ } oÁæo@Á ^Áá . Á @Áæ || , Á | ~ Áç Á ] |{ ^ } Á & ] d [ | oÁ Á^~ q { ^ } dE

ÓÁæq æ Á -Áo@Á ] ^iææq \*Á & ] ááq } . EÁ [ Á [ oÁ ] ^iæ^Áo@Áiædq |Á æOÁ ^æ Á |Áæ |c Ái:æ ^Á . [ |Á [ ] Áá^ . EÁ @ } Á ] ^iææq \*Á [ , } ÁæOÁ |Á } Á ^oÁ |Áæq Á |Á Á [ æ . EÁo@Ái:æ q \* Áá çæ & q & ^æ^Á . K^ . ^Áçd^ { ^Áæ^Áæq áÁá^ & Á^ |Á^ ^ÁáEÁM @ } Á ] ^iææq \*Á ÁææÁæq , æ . Á . ^c@Áiædq |ç Áæ @ \* Á çæ } q \* Á ç @ Áæq áÁá^ & Á^ |Á^ ^ÁáEÁM Áæq æ Á -ÁtææÁæq | ~ } áÁ | ~ çæ áÁææçÁ^ oÁ |Áo@Á c@Á |Á^ ~ EÁU^EÁ





# OPERATION

## OPERATION

FE Y @Adasq |A^} q \*A^} } q \*E |as^AUPW00  
•, as@DA q A AU00A [| •as} A q aA, asA f |  
& c! • @eQ Dq A q | A | asq \*E

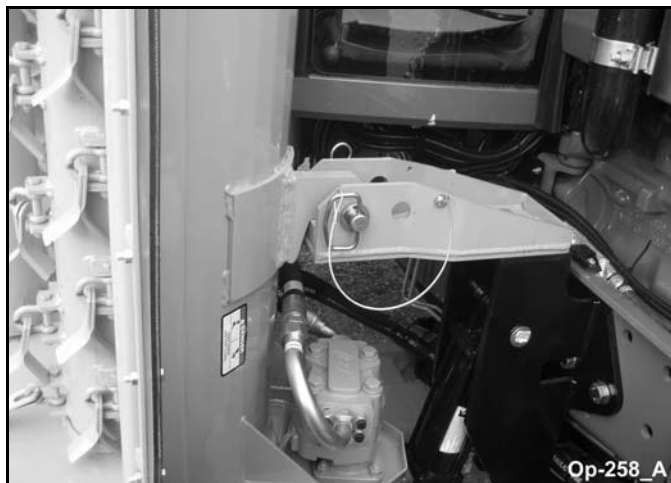
GE U ||ASQVAs} d | |A^c^!A^as, asAA} qAaA:as ^  
a As A @ @ As A q | A | E

HE U ||ASQVAs} d | |A^c^!A^as, asAA} qAaA:as ^o^ }  
~ } as As as | c^!As as ^ | A | & Aa as ^o^ } Aas & | q a^!  
• } [| | dEQ as ^ A | { ^A ~ | oA q } ||ASQVAs^c^!  
+ | { AOSUCVAs | •as } E

IE U • @ASQVAs} d | |A^c^!A^! , asAA^ } [ ~ \* @Aq  
| , ^!A } as | | , | EQ • as | A @ A c as ^ | A | & A q aE A Q  
{ ~ • o^ as • A @ | ~ \* @a as ^o^ } A } as A @ , } As

Figure Op-258\_A.

I È T as ^A&! as A c @ A as | A & } d | |A^c^!A^as^A q  
APUSÖAs | • as } A @ | As as • | | d \* A } as E



Op-258\_A

V@A | , ^!qA^} c | A - A | as ac As A as ^ a A as q \* A c  
{ | , ^!A | | A | | ^ A | As } q \* A } @ | A @ A as ^ A | , ^!  
as ^ A q A c | A | as ^ a A | | • as } E W • ^ A d ^ { ^ A as q }  
, @ } As A c | A c as } | | o A | | • as } As a A as [ as ^ c^!  
c | | as A } @ @ | | a A } ^ A c | A | , ^!E



Op-259\_A

**⚠ DANGER**

Y @ } A c @ A as ^ A | | , ^! • as ^ A | | a A | | A c as } | | dEQ as ^ } c | A | - A | as ac As A as ^ a A as a A c @  
| | • as ac A - A ^ c^!c } | As As & | as ^ a A dEQ as ^ A | | , | as a A • ^ A d ^ { ^ A as q } A } @ | A | } q \* A }  
@ | • as ^ • E A U c^!c } } q \* A c @ A Q } | ^ { ^ } o A | | a A as • ^ A c @ A Q } | ^ { ^ } o A | A ^ c^!c } | A c @ A | as q |  
as a A c as ^ c^!c • as ^ a • | c } As A ^ | q • As b | ^ A | A c^! } A a as @ A ^ c^!A | | a A as ^ A | | , ^! • A | As  
@ | • as ^ @ A Q } | ^ { ^ } o A | A } as as A c^!c } | E W VEG QD



# OPERATION

## 9.4 Operating Position

Ò) • ^Á@eAUÐUÓÁ, æ&@•DæÁæ^DæÄUÓÖÄ  
 ][•æ] ÈÜ^ { Ç^Ádæ^|Á| & Á] æ ÈÁÝ æ@Ádæd |  
 ^} æ^Á| } } æ\* ÈÁ] ~||ÁÖVÁ[ } d [ |Á|^Ç^|Á|^æ, æá  
 ~} çÁàææ^Á | } Á&~ ç^|Á } æÁ&^æ•Ác@Ádæ^|Á| &  
 à:ææ^Á | } ÁæÁ& | æ^|Á } ] [ | dÈÜ • @VÖVÁ[ } d [ |  
 |Ç^|Á| |, æáÁ } çÁ&~ ç^|Á } æÁÁ^Ç^|Á } æ@| [ ~ } áÈ  
 U • @ÖVÁÇ^|Á| |, æáÁ } [ ~ \* @Á | |, | Á |, ^|Á } æ  
 ~ } çÁæÁ } &@•Á\*| [ ~ } áÈ@ } Á } • @à [ çÁ|^Ç^|  
 | |, æáÁ ÄÖŠUCVÄ [ •æ] È



**NOTE:** For best mowing results and longer roller life, both LIFT and TILT levers should be in "FLOAT" position while mowing.

Óæ^Á | { ^Á-| | çÁ Á } ||ÁVÖVÁÇ^|Á| | { ÄÖŠUCVÄ  
 ][•æ] Á^ææ • Á^ Á^ç } çÁ | } æ\* È

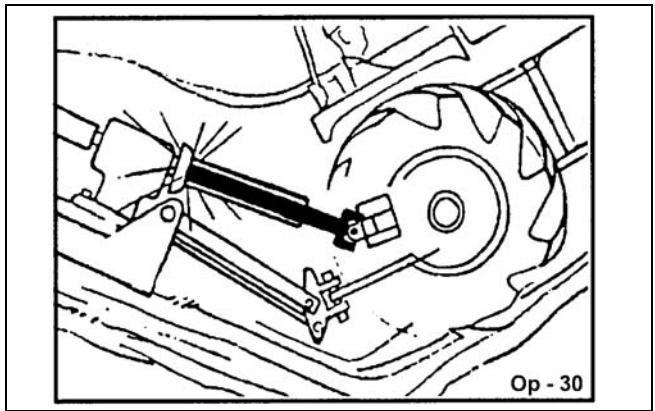
V@Á [ , ^|Á } • çÁ^Á | | ææáá æ@Á&~ ç^|Á^&ç } • Á } | Á |, ^|ááæ æÁc@Á@á:æ | æÁ[ } d [ | Á|^Ç^|Á } Ác@Á| æ  
 á^ç } çÁ Á } • ^Ác@Á [ , ^|Á | | | , • Ác@Á&[ } ç ~ | Á | -Ác@Á\*| [ ~ } áÁæ æÁç Á | ^Ç^ } çÁ^&ç } • Á | [ { Á&^ } æ\* Á } È  
 ÐÖÜÜæç { } çÁ Áææ^Ác@Á [ , ^|Á } çÁÁc@Á [ , ^|Á } Á|^Ç^|Á | ææ\* È



# OPERATION

OPERATION

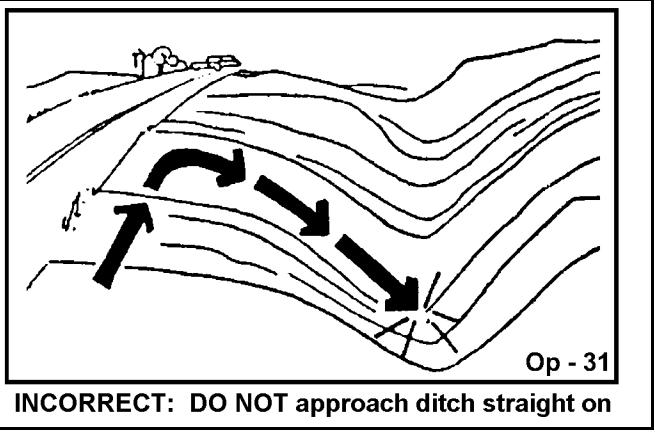
Y @} Á&[ ••q \* Áã&@•Á ã@Á c^] Áã\•Á!Á[ q \* Á ]  
 • @} Áq &ã ^• ÁãÁ Á [ ••ã | ^Á@ã@Á ^ Áã Áã!ã^ã ^  
 q } ^!Á | [ -ãÁ ã!Á ^] ^ dã Áã q Á@Á ^ c!Á@ ^•ã \* Áã Áã  
 { ãã ~ { Áã^} c@ ^ } qÁ@ Áã • ^ { à | Áã ^ & { ^•Á | [ã  
 Gã!ã^ã ^ Áã Áã Áã c^ { ^Á @ | c • o ^ } \* @ Á V @ Á c ] ^  
 [ -Áã ~ •ã ^ Á ] | ^ | ãã } Áãã Áãã • ^ Áã ^ | q ~ • Áãã ã ^ Áã  
 c@ Áãã q | Áã ã Á [ , ^! Áã!ã ^ Áã ^ Á ~ • @ \* Á@ Á V U Áã q  
 c@ Áããã q | Áã ã Áã @ [ ^ \* @ Á @ Á ~ ] | [ | Áã ^ ãã \* Á |  
 à [ , , , ãã Á ] q Á@ Á V U Á @ cã | ^ ãã q \* Áã - E



**WARNING**

Öã ã ^ Áã ~ | q \* Áã [ { Á c ^ | ã | ãã • ^ Á - Á@ Áã!ã^ã ^ q Áã } ^!Á | [ -ã Áã ã Áã Á ~ c!Á@ ^•ã \*  
 { ã Áã | , Á@ Áã!ã^ã ^ Áã Áã { ^ Á [ • ^ Á [ { Á@ Áããã q | Áã @ & & | ã Áãã • ^ Áã | ãã Áã b | ^ Áã Áã  
 ] | ^ ãã | Áã | Áã ~ ãã à | • Áã ãã | Áã c } •ã ^ Áãã ã ^ Áã Áããã q | Áã | Áã | [ ^ } ã OPS-R-0020

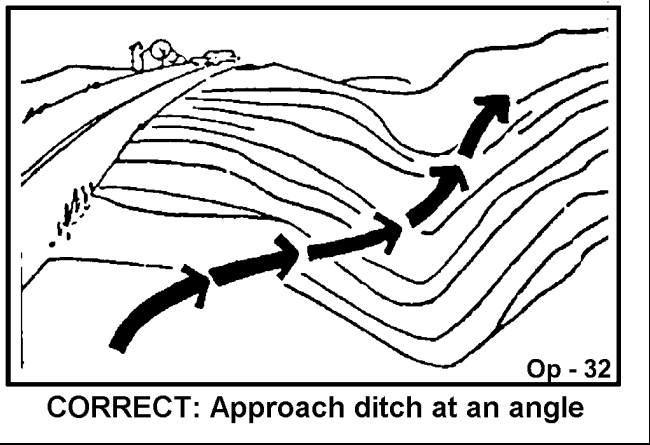
Y @} Á&[ ••q \* Áã ~ & @ Áã | ãã Áã Áã ] | ^ { ^ } c ^ @ ^ | ã  
 à ^ Áã | | Áã [ , ^! Áã Áã | Áã Áã [ , ^! Áã ^ } c!Á - Áã | ããã Áã ã  
 ãã à ^ Áã ãããã OPS-R-0021



INCORRECT: DO NOT approach ditch straight on

# OPERATION

Q&A ^• Aq aAa&@• A @ |aA^Aq || a&@aAq } \* Ae  
 |a^A @&@a AaAq Aq \* |^Ae A @, ) EAV@Ac ] ^A ~  
 ] a&A q|A^a^ &A@A ] •• a&Aq A A c^A E| || a^A ~  
 @ Aa|q^|a^ Aq aA^• |q \* Aa a^ EAV@A | a&a } c  
 a A [ A c^A ] Ac@A^ &@Aq Aq ] || a&@A &^a^• Ac@  
 ] [ •• a&Aq A AaAc& q |A | || q^A E^A^&Aq Aq } a  
 & [ •• q \* A a&A



Y @ ] A [ ] ^ | a&A \* Ac@Ac& q | Aq aA [ [ , ^ | A a& [ ••  
 • [ ] ^• Aq aAq &A^• EAc@ [ \* @Aa&@• Eaq aA [ c@:  
 ^ c^A } A : | a&A } a&A } • EAV Aq ] [ | a& A q a& a&A  
 • • a&A } a&A & Aq A [ ] ^• a&A^a&A & EAV | a&A } a&A  
 , a&A@A^ [ ] ^• aA a&A a&A^• A [ q|A [ & • Aq aA c@:  
 a^a|a Aq A^• Ac@ [ , ] A [ ^• A+ [ [ A ] a^A Ac@A [ [ , ^ |  
 !^• | q \* Aq A [ •• a&Aq b | ^ Aq a&A | A [ ] ^ | c A a& a^ E  
 O [ ] ^• a&A } a&A } [ A ] [ a^ & • Aa^A c^A^A @ & Aq a&A  
 [ ] Ac@A [ [ , ^ | Aa|q^A^ aAq Ac@A [ [ , ^ | Aa|a&A^•  
 !^• | q \* Aq A [ •• a&A a&A a^ Aq aA | ^ a& ^ A^ a&E  
 OPS-R-0022

## 10. OPERATING THE TRACTOR AND IMPLEMENT

**THE OPERATOR MUST COMPLETELY UNDERSTAND HOW TO OPERATE THE TRACTOR AND IMPLEMENT AND ALL CONTROLS BEFORE ATTEMPTING TO OPERATE.**

A^@A ] ^ | a&A | A ~ • A^ a&Aq a  
 ^• a^• a&A@A^ a&Aq aA ] ^ | a&A } A^• a&A } • A [ Ac@Aq ] [ ^• a&A a&A a&A q | A ] ^ | a&A | q A q a&A EAV@• ^  
 { a&A a&A^• a&A a&A a&A } | a&A a&A a&A } [ A^ a&A^A c^A^A ] , A [ { ^ [ ] ^ Aq A ] ^ | a&A @  
 a ] [ ^• a&A a&A q | A a&A } [ ] | a&A ] ^ | a&A \* A • d^ & a } • E

O^• | ^• A a&A q \* Aq ^ A ] ^ | a&A } EAV A ] ^ | a&A | A ~ • A^ a&A { ^ A a&A a&A a&A a&A q A^ A [ ] | ^ a&A Aq a&A q  
 [ a^ a&A^• Aq a&A a&A a&A } a&A a&A a&A Aq A } • | ^• A a&A q Ac@A ] ^ | a&A | EAV • a&A^• Eaq aA^• q { ^• EAV ] ^ | a&A  
 a&A } q } A @ | a&A^A a&A Aq | a&A } A^ a|a EAV \* @A^ | a&A EAV ] A [ ] ^• Eaq aA a&A^• a^ a&A a&A q a&A A^ a&A a&A  
 OPS-U-0015



O^• | ^• A a&A q \* Aq ^ A ] ^ | a&A } EAV A ] ^ | a&A | A ~ • A^ a&A { ^ A a&A a&A a&A a&A q A^ A [ ] | ^ a&A Aq a&A q  
 [ a^ a&A^• Aq a&A a&A a&A } a&A a&A a&A Aq A } • | ^• A a&A q Ac@A ] ^ | a&A | EAV • a&A^• Eaq aA^• q { ^• EAV ] ^ | a&A  
 a&A } q } A @ | a&A^A a&A Aq | a&A } A^ a|a EAV \* @A^ | a&A EAV ] A [ ] ^• Eaq aA a&A^• a^ a&A a&A q a&A A^ a&A a&A  
 OPS-U-0015







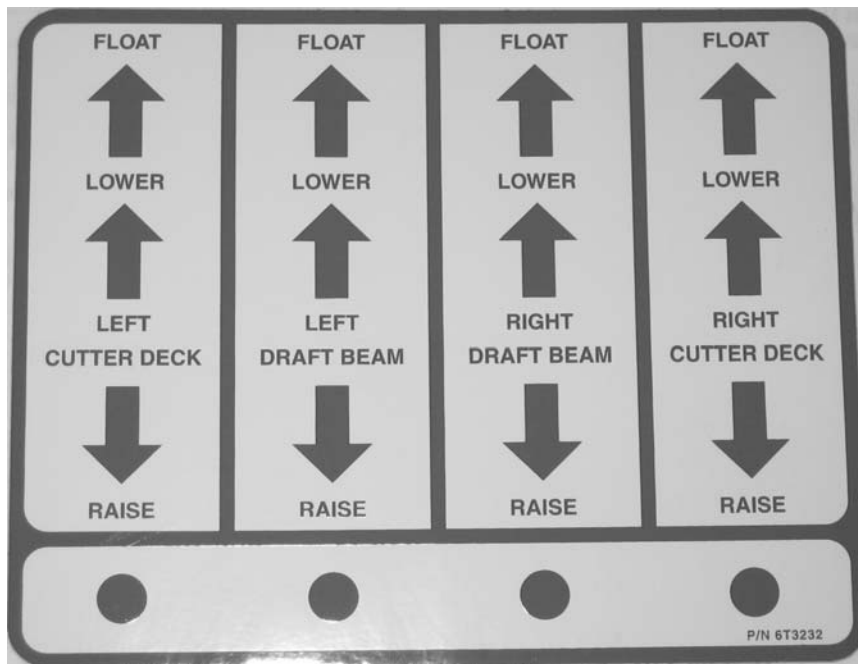


# OPERATION

## 11. CONTROL LOCATION AND FUNCTIONS

V@Á^cÁ aÁã @Á [, ^!Á@ã @Á Á& }d[ ||^áÁ a@Á^~!Á][ |Áçç^Á aÁ Á& [ |áã æ^áÁ @Á, }Á^|, È  
OË, æ^Á [, Á a@Á& }d[ |Á Á@Á[ æÁ [ •ã ] È^Á^!Á Á •çÁ@Áæ^Á & Á a •Á @ }^ç^!Á@Á [, ^!Á  
ç Á^Áæ •][ |c^áÁ^ Á^ & Á a Áæ^!È

OPERATION



V@Á^cÁ [, ^!Á@ã @Á Á& }d[ ||^áÁ a@Á^~!Á][ |Áçç^Á aÁ Á& [ |áã æ^áÁ @Á, }Á^|, È  
OË, æ^Á [, Á a@Á& }d[ |Á Á@Á[ æÁ [ •ã ] È^Á^!Á Á •çÁ@Áæ^Á & Á a •Á @ }^ç^!Á@Á [, ^!Á  
ç Á^Áæ •][ |c^áÁ^ Á^ & Á a Áæ^!È

V@Á^cÁ aÁã @Á [, ^!Á@ã @Á Á& }d[ ||^áÁ a@Á^~!Á][ |Áçç^Á aÁ Á& [ |áã æ^áÁ @Á, }Á^|, È  
OË, æ^Á [, Á a@Á& }d[ |Á Á@Á[ æÁ [ •ã ] È^Á^!Á Á •çÁ@Áæ^Á & Á a •Á @ }^ç^!Á@Á [, ^!Á  
ç Á^Áæ •][ |c^áÁ^ Á^ & Á a Áæ^!È

V@Á^cÁ aÁã @Á [, ^!Á@ã @Á Á& }d[ ||^áÁ a@Á^~!Á][ |Áçç^Á aÁ Á& [ |áã æ^áÁ @Á, }Á^|, È  
OË, æ^Á [, Á a@Á& }d[ |Á Á@Á[ æÁ [ •ã ] È^Á^!Á Á •çÁ@Áæ^Á & Á a •Á @ }^ç^!Á@Á [, ^!Á  
ç Á^Áæ •][ |c^áÁ^ Á^ & Á a Áæ^!È

VÜŮŠŮÀŠŮŮŠ

U] ^!æã } Á^&çã } Á È È





# OPERATION

OPERATION

## 11.2 Shutting Down the Implement

V| Á @ óÁ[ , } Á@Á [ ] | { ^ } dÁá • óÁ[ q \* Á@Á dæd |  
d Áæ [ { ] | { ^ Á d } dÁV@ } Á [ , Á [ , } Á@Á [ ] | { ^ } c  
à ^ Á á ~ & q \* Á@Á } \* q ^ Á ] ^ Á á Á ^ f | ^ Á á ~ ^ } \* æ q \*  
@ Á Ú V U d Á Y æ Á f | Á q | Á { [ d ] Á d Á • d ] Á á ^ f | ^  
] | { & ^ á q \* Á Á q ^ Á | Á @ óÁ[ , } Á@Á dæd | È"



Op-37

Úæ\ Á@Á dæd | Á [ ] Á á | ^ ç ^ Á • | - æ ^ Á ] | æ ^ Á @  
dæ • { ~ q } Á q Á ] æ Á | Á ^ ^ dæ Á æ á Á æ ] | ^ Á @  
] æ q \* Á | æ ^ Á [ , ^ Á @ Á æ æ @ á Á [ ] | { ^ } Á @  
\* | ^ } á Á @ óÁ[ , } Á@Á } \* q ^ Á ^ { [ ç ^ Á @ Á ^ Á q á  
æ Á f | Á q | Á { [ d ] Á Á [ ^ Á d Á æ Á [ { ] | { ^ Á • d ]  
á ^ f | ^ Á ç q \* Á @ Á dæd | OPS-F- 0011



Op-266

## 12. DISCONNECTING THE MOWER FROM THE TRACTOR

Ó f | ^ Á á & } } ^ & ç \* Á @ Á [ , ^ Á @ Á Ú V U Á ~ • ó Á  
á á ^ } \* æ ^ á Á æ á Á q | Á [ d ] Á æ Á æ [ { ] | { ^ Á • d ] È  
T [ ç ^ Á @ Á [ , ^ Á d Á æ ^ ç ^ Á • d | æ ^ Á [ & æ ] Á q á  
| , ^ Á á [ @ Á q ^ Á [ , ^ Á d Á @ Á \* | [ ~ } á Á Q á @  
{ [ , ^ Á q | Á ^ Á d | ^ á Á q @ Á ^ & d } • Á @ Á æ á á  
] [ • q } Á ^ Á ^ | ^ Á @ Á @ Á æ ^ Á [ & Á æ Á } \* æ ^ á È  
Q á @ Á [ , ^ Á Á [ Á • ç \* Á ^ & | ^ Á } Á @ Á | [ ~ } á È  
à | & Á @ Á [ , ^ Á ] Á ^ & | ^ Á ^ f | ^ Á æ { ] ç \* Á  
á á & } } ^ & ç Á [ { Á @ Á dæd | È Á ^ Á d ç ^ ^ Á æ ^ Á  
\ ^ Á Á Á æ á Á q á Á | { Á } á | Á @ Á [ , ^ Á q á  
& ^ æ Á Á ^ Á q & d | q @ OPS-F-0012\_A



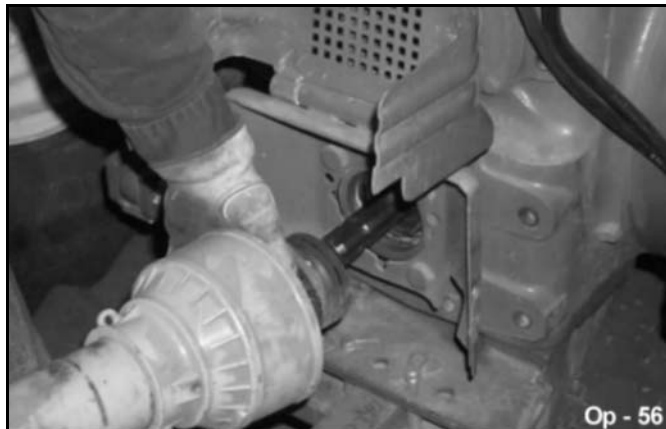
Op - 55

VÜŮŠÒÁŠÖŠŠ

U] | æ ] Á ^ & ç } Á È G

# OPERATION

OPS-F-0013



**⚠ DANGER**

Warning text in a non-Latin script, likely describing safety precautions for the operation.



**OPERATION**

# OPERATION

## 13. MOWER STORAGE

Before storing the tractor, ensure the engine is cool and the fuel tank is empty. Turn the tractor off and remove the key. Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage. Store the tractor in a dry, well-ventilated area. If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.

Before storing the tractor, ensure the engine is cool and the fuel tank is empty. Turn the tractor off and remove the key. Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage. Store the tractor in a dry, well-ventilated area. If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.

- Turn the tractor off and remove the key.
- Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage.
- Store the tractor in a dry, well-ventilated area.
- If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.
- Turn the tractor off and remove the key.
- Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage.
- Store the tractor in a dry, well-ventilated area.
- If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.



OPERATION

Before storing the tractor, ensure the engine is cool and the fuel tank is empty. Turn the tractor off and remove the key. Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage. Store the tractor in a dry, well-ventilated area. If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.



**DANGER** Before storing the tractor, ensure the engine is cool and the fuel tank is empty. Turn the tractor off and remove the key. Clean the tractor thoroughly, especially the mower deck, to prevent rust and damage. Store the tractor in a dry, well-ventilated area. If the tractor will be stored for an extended period, it is recommended to use a fuel stabilizer and to run the engine for a short period to circulate the oil.

# OPERATION

## 14. TRANSPORTING THE TRACTOR AND IMPLEMENT

Q @!^} d@e eá•Á Á ]!íææ \* Á@Áí æ&ç!Áæ áÁæ ]!í^ ^} dæ} áÁ@Á[•• ääç Á Áæ&æ^} • Áæ^Á[ oÁ~oÁ^@ á  
 , @}Á[~ Áæ ä @] [!á \* Áæ Áæ^æV@!^í!Áæ@Á]!íææ!Á~•oÁ{ ]!^ Á[[ áÁ á\*^ ^} ^} dæ} áÁæ^Á]!íææ }  
 ]!íææ^Á @}Áíææ•] [!ç \* Á@Áíæ&ç!Áæ áÁæ ]!í^ ^} dæ} áÁç ^}Á[ &ææ }•ÉÁÓ Á•á \* Á\*[[ áÁ á\*^ ^} ^} dæ} á  
 {!|, á \* Áæ^Áíææ•] [!oÁ]! [ &á^!•Éo@Á[•• ääç Á Áæ&æ^} • Á @^Á [ çá \* Á^ç ^}Á[ &ææ }•Áæ} Áá  
 •^á•ææ çæ^ Á á ä á^áÉOPS-U-0017



Í^ç!íææ[ , &@á!^} Á!Á o@!Á!•[•• Áí Áæ^Á} Á@Áíæ&ç!Á!ÁQ ]!í^ ^} É  
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OPERATION

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# OPERATION

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Op-25

## 14.2 Hauling the Tractor and Implement

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Op-47



# OPERATION

## 15. TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	REMEDY
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# MAINTENANCE SECTION

Maintenance Section 4-1

# MAINTENANCE

## GENERAL INSTRUCTIONS

Tiger Mowers are designed for high performance and rugged durability, yet with simplified maintenance. The purpose of this section of the manual is to help the operator in the regular servicing of the mower. Regular maintenance at the intervals mentioned will result in the maximum efficiency and long life of the Tiger Mower.

When you purchase a Tiger Mower you also acquire another valuable asset, Tiger's parts organization. Our rapid and efficient service has guaranteed the customer satisfaction for many years. Tiger parts keep up with the demands for efficiency, safety and endurance expected of the Tiger Mower.

## MAINTENANCE PRECAUTIONS

- Be sure the end of the grease gun and fittings are clean before using. Debris injected into bearings, etc. with grease will cause immediate damage.
- DO NOT use a power grease gun to lubricate bearings. These require very small and exact amounts of lubrication. Refer to the detailed maintenance section for specific lubrication instructions. DO NOT over-grease bearings.
- Lexan windows should be washed with mild soap or detergent and luke warm water, using a soft clean sponge or soft cloth. DO NOT use abrasive or alkaline cleaners or metal scrapers on lexan windows!
- Be alert to maintenance indicators such as the in-tank filter pressure gauge, hydraulic reservoir sight gauge, etc. Take the required action to correct any problems immediately.
- Release of energy from pressurized systems may cause inadvertent actuation of cylinders, or sudden release of compressed springs. Before disconnecting any hoses relieve pressure by shutting tractor off, setting cutter on ground and actuating lift valve handles.

### **WARNING**

DO NOT use hands to check for suspected leaks in hydraulic hoses! Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin and cause serious injury. If fluid is injected into skin, it must be surgically removed within a few hours or gangrene may result. Use a small piece of wood or cardboard, not hands, to search for pin hose leaks. Be sure all connections are tight and hoses and lines are not damaged before applying pressure.

## BREAK IN PERIOD

In addition to following the break in instructions for your particular tractor, the in-tank hydraulic fluid filter should be replaced after the first 50 hours of service. Thereafter the filter should be replaced every 500 hours, or yearly, whichever comes first.

Re-torque wheel lugs after first five hours of operation and periodically thereafter. See torque specifications listed in the tractor's service manual for your particular model. **Wheel lugs must always be re-torqued whenever a wheel is removed and reinstalled.**

### **DANGER**

Never work under the Implement, the framework, or any lifted component unless the Implement is securely supported or blocked up to prevent sudden or inadvertent falling which could cause serious injury or even death. (SG-14)



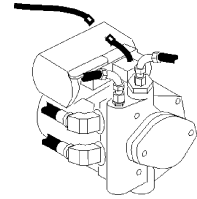
# MAINTENANCE



Do not modify or alter this Implement. Do not permit anyone to modify or alter this Implement, any of its components or any Implement function. (SG-8)



Always disconnect the wire leads from the mower pump solenoid before performing service on the Tractor or Mower. Use caution when working on the Tractor or Mower. Tractor engine must be stopped before working on Mower or Tractor. The Mower Blades could inadvertently be turned on without warning and cause immediate dismemberment, injury or death. (SBM-12a)



**MAINTENANCE**

## REGULAR MAINTENANCE

The intervals at which regular servicing should be done are based on hours of operation. Use the tractors hour meter to determine when regular servicing is required.

### Daily or Every 8 Hours

ITEM	SERVICE	COMMENTS
Drive Shaft Yoke, U-Joint & Stub Shaft	Grease	Grease as instructed in detailed maint. section
Pump Drive Shaft Coupler	Check and Lube	Insure drive shaft end play
Crankshaft Adapter	Check rubber grommets	Replace grommets if damaged or missing
Pivot Points	Lubricate	Inject grease until it appears at ends
Hydraulic Fittings	Check for leaks	Tighten when needed. Do Not use ha nds to che ck for leaks, see Maintenance Precautions

# MAINTENANCE

## MAINTENANCE

ITEM	SERVICE	COMMENTS
Knives	Check	Inspect for missing or damaged knives, change as needed
Spindle mounting bolts (spindle to deck)	Check	3/4" x 2" or 3/4" x 2-1/2" bolts torque to 331 ft. lbs.
Knife mounting bolts (knife to disk)	Check	Pre-lubricate threads, then torque to 800 ft. lbs. Saber - Torque 1-3/4" knife bolts to 2,000 ft. lbs.
Disk mounting bolts (disk to spindle)	Check	5/8" x 1-3/4" or 5/8" x 2" bolts - torque to 204 dry / 184 oiled ft. lbs.
Belts	Check/Adjust	Check if broken, tighten as required.
Main Frame and Deck	Check	Retorque bolts to torque specifications in this section
Hydraulic Fluid Level	Check	Add if required per fluid recommendations
Rear Flail Drive (if applicable) Bearing Flange and Shaft Coupler	Lubricate	Grease as instructed in detailed maintenance section
Cutter Shaft	Lubricate	Grease as instructed in detailed maintenance section
Ground Roller Bearings	Lubricate	Grease as instructed in detailed maintenance section

TRIPLE FLAIL

Maintenance Section 4-4



# MAINTENANCE

## WEEKLY OR EVERY 50 HOURS

ITEM	SERVICE	COMMENTS
In Tank Hyd. Fluid Filter ( <b>10 micron filter</b> )	Change	Change after first 50 hours only, then every 500 hours or yearly
In-Line High Pressure Filter ( <b>10 micron filter</b> )	Change	Change after first 50 hours only then every 500 hours or yearly

## MONTHLY OR EVERY 150 HOURS

ITEM	SERVICE	COMMENTS
Hydraulic Fluid Level	Check	Add as needed
Hyd. Tank Breather	Clean/Check/Replace	Clean or replace Element as required
Rear Tire Type		Max P.S.I.
480/80R38		29
18.4-34		26
18.4-38		26

## YEARLY OR EVERY 500 HOURS

ITEM	SERVICE	COMMENTS
Hydraulic Tank Fluid	Change	
In Tank Hyd. Fluid Filter ( <b>10 micron filter</b> )	Change	
In-Line High Pressure Filter ( <b>10 micron filter</b> )	Change or	Change when indicated by restriction indicator.
Hyd. Tank Breather	Change	
TRIPLE FLAIL	Maintenance Section 4-5	

**MAINTENANCE**

# MAINTENANCE

MAINTENANCE

## TROUBLESHOOTING

SYMPTOMS	CAUSE	REMEDY
Vibration	Loose Bolts	Check all bolts and tighten to recommended torque specs.
	Cutter assembly Unbalanced	Check for damaged blades, disc or cuttershaft. Replace if needed. Check for wire, rope, etc. entangled in the cutter assembly
Mower will not lift	Hydraulic Fluid Low Leaks in line	Check and refill hydraulic fluid Tighten or replace fittings and hoses
	Faulty relief valve	Check pressure in line. Line pressure should be at least 2500 PSI
	Kinked or blocked Faulty cylinder	Clean or replace lines Inspect, repair or replace cylinder
Oil temperature rises above 200°F	Low oil level Kinked/ blocked hoses Worn pump/ motor	Bring oil to proper level Inspect, repair or replace Disable and repair
Mower will not start or run	Blown fuse	Check fuse between mower switch and ignition/replace
	Ball valves closed Low oil level Line leak	Make sure valves are open Check hydraulic tank and fill Check all fittings and lines, re-tighten or replace
	Electronic solenoid faulty	<b>Without</b> the tractor running, turn the mower switch to on. A low audible click should be heard if the solenoid is engaging the solenoid spool. If click is not heard, leave switch in ON position and with a screw driver or other steel object, touch the small nut on the end of the solenoid. If the metallic object is not attracted to the nut, check the fuse and wiring for an open circuit. If the object is attracted but no “click” is heard, replace the solenoid.

# MAINTENANCE

Remove the four bolts holding the small block to the main block. Lift and remove small block being careful not to damage O-rings/ filter. Clean filter and re-install.

Remove large nut on side of large valve block. Remove spring, and use needle nose vise grip to pull spool from block. Check block and spool for contaminants and scratches. Clean parts or replace if scratched.

Motor runs but will not cut.

Belts  
Tensioner

Inspect belts and pulleys. Replace belts and repair as needed.  
Adjust tensioner nut until flatwasher is flush with top of guide.

Mower turns slowly or not at all.

Contaminants restricting spool movement in valve body

Remove large nut on side of large valve block. Remove spring, and use needle nose vise grip to pull spool from block. Check block and spool for contaminants and scratches. Clean parts or replace if scratched.

Suction lines obstructed

Check for kinks or obstruction in suction hose.

Low oil level

Check Hydraulic tank level and fill.

Pump will not work

Excessive wear on internal parts.

Disassemble and repair.

Motor will not work

Excessive wear on internal parts

Disassemble and repair.





**NOTE:** If flow meter is available, check pressure and flow volume for all suspected hydraulic problems.

**If the solution to your problem cannot be found in this section, call the Technical Service representative at the number shown on the front cover of this manual.**





# MAINTENANCE

MAINTENANCE

## TORQUE SPECIFICATIONS

Torque for Standard Fasteners													
Nominal Dia. (in.)	threads per inch	 Grade 2			 Grade 5			 Grade 8			 Grade 9		
		Tightening Torque			Tightening Torque			Tightening Torque			Tightening Torque		
		Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20
Unified Coarse Thread Series													
1/4	20	49 in-lbs	59 in-lbs	66 in-lbs	76 in-lbs	86 in-lbs	101 in-lbs	107 in-lbs	122 in-lbs	143 in-lbs	126 in-lbs	143 in-lbs	168 in-lbs
5/16	18	101	122	135	157	178	209	221	251	295	259	294	346
3/8	16	15 ft-lbs	18 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	31 ft-lbs	33 ft-lbs	37 ft-lbs	44 ft-lbs	38 ft-lbs	43 ft-lbs	51 ft-lbs
7/16	14	24	29	32	37	42	49	52	59	70	61	70	82
1/2	13	37	44	49	57	64	75	80	90	106	94	106	125
9/16	12	53	63	70	82	92	109	115	130	154	135	153	180
5/8	11	73	87	97	113	128	150	159	180	212	186	211	248
3/4	10	129	155	172	200	227	267	282	320	376	331	375	441
7/8	9	125	150	167	322	365	429	455	515	606	533	604	710
1	8	187	225	250	483	547	644	681	772	909	799	905	1065
1 1/8	7	266	319	354	596	675	794	966	1095	1288	1132	1283	1510
1 1/4	7	375	450	500	840	952	1121	1363	1545	1817	1597	1810	2130
1 1/2	6	652	783	869	1462	1657	1950	2371	2688	3162	2779	3150	3706
Fine Thread Series													
1/4	28	56 in-lbs	68 in-lbs	75 in-lbs	87 in-lbs	99 in-lbs	116 in-lbs	123 in-lbs	139 in-lbs	164 in-lbs	144 in-lbs	163 in-lbs	192 in-lbs
5/16	24	112	135	150	174	197	231	245	278	327	287	325	383
3/8	24	17 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	30 ft-lbs	35 ft-lbs	37 ft-lbs	42 ft-lbs	49 ft-lbs	43 ft-lbs	49 ft-lbs	58 ft-lbs
7/16	20	27	32	36	41	47	55	58	66	78	68	78	91
1/2	20	41	49	55	64	72	85	90	102	120	105	120	141
9/16	18	59	71	78	91	103	121	128	146	171	151	171	201
5/8	18	82	99	110	127	144	170	180	204	240	211	239	281
3/4	16	144	173	192	223	253	297	315	357	420	369	418	492
7/8	14	138	165	184	355	403	474	502	568	669	588	666	784
1	14	210	252	280	542	614	722	765	867	1020	896	1016	1195
1 1/8	12	298	357	397	668	757	890	1083	1227	1444	1269	1439	1693
1 1/4	12	415	498	553	930	1055	1241	1509	1710	2012	1768	2004	2358
1 1/2	12	734	880	978	1645	1865	2194	2668	3024	3557	3127	3544	4169

Torque values for 1/4 and 5/16-in series are in inch-pounds. All other torque values are in foot-pounds. K = 0.15 for "lubricated" conditions  
 Torque values calculated from formula T=KDF, where K = 0.17 for zinc plated and dry conditions F = Clamp Load  
 K = 0.20 for plain and dry conditions

Torque-Tension Relationship for Metric Fasteners													
		 Class 4.6			 Class 8.8			 Class 10.9			 Class 12.9		
Nominal Dia. (mm)	Pitch	Tightening Torque			Tightening Torque			Tightening Torque			Tightening Torque		
		Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry plain K = 0.20	
3	0.5	0.28	0.32	0.38	0.73	0.82	0.97	1.0	1.2	1.4	1.2	1.6	
3.5	0.6	0.44	0.50	0.59	1.1	1.3	1.5	1.6	1.9	2.2	1.9	2.5	
4	0.7	0.66	0.74	0.87	1.7	1.9	2.3	2.4	2.7	3.2	2.8	3.8	
5	0.8	1.3	1.5	1.8	3.4	3.9	4.5	4.9	5.5	6.5	5.7	7.6	
6	1	2.3	2.6	3.0	5.8	6.6	7.7	8.3	9.4	11	9.7	13	
6	1.25	2.1	2.3	2.7	5.3	6.0	7.0	7.6	8.6	10	8.8	12	
7	1	3.8	4.3	5.0	9.7	11	13	14	16	19	16	22	
8	1	5.9	6.6	7.8	15	17	20	22	24	29	25	34	
8	1.25	5.5	6.2	7.3	14	16	19	20	23	27	24	31	
10	1.25	11	13	15	29	33	39	42	48	56	49	66	
10	1.5	11	12	14	28	32	37	40	45	53	47	62	
12	1.25	21	23	28	53	60	71	76	86	101	89	119	
12	1.5	20	22	26	51	58	68	73	82	97	85	113	
12	1.75	19	21	25	49	55	65	70	79	93	81	108	
14	1.25	26	29	34	66	75	89	95	108	127	111	148	
14	1.5	28	32	37	72	82	96	103	117	138	121	161	
14	2	30	34	40	78	88	104	111	126	148	130	173	
16	1.5	50	57	67	129	146	171	184	208	245	215	287	
16	2	47	53	62	121	137	161	173	196	230	202	269	
18	1.5	73	82	97	187	212	249	268	303	357	313	417	
18	2.5	65	73	86	167	189	222	239	270	318	279	372	
20	1.5	101	115	135	270	306	360	374	424	498	437	583	
20	2.5	91	104	122	236	267	314	337	382	449	394	525	

Clamp load calculated as 75% of the proof load for specified bolts. K = 0.15 for "lubricated" conditions  
 All torque values are listed in foot-pounds K = 0.17 for zinc plated, dry conditions F = Clamp Load  
 Torque values calculated from formula T=KDF, where K = 0.20 for plain and dry conditions

# MAINTENANCE

**MAINTENANCE**

## LUBRICATION RECOMMENDATIONS

Description	Application	General Specification	Recommended Mobil Lubricant
Tractor Hydraulics	Reservoir	JD-20C MF M1135, M1141 FNHM2C134D	Mobilfluid 424
Mower Hydraulics	Reservoir		
	Cold Temperatures 0°F Start-Up	ISO 46 Anti-Wear-Low Temp	Mobil DTE 15M
	Normal Temperatures 10°F Start-Up	JD20C MF M1135, M1141 FNH M2C134D (FNH201)	Mobilfluid 424
	Normal Temperatures 15°F Start-Up	ISO 46 Anti-Wear	Mobil DTE 25
	High Operating Temp. Above 90°F	ISO 100 Anti-Wear	Mobil DTE 18M
Flail Rear Gearbox	Reservoir	PAO Synthetic Extreme Pressure Gear Lube	Mobil SHC 75W-90 Mobil 1 Synthetic Gear
Cutter Shaft & Ground Roller Shaft (Flail)	Grease Gun	Lithium-Complex Extreme Pressure NLGI-2 - ISO 320	Mobilgrease CM-S
Drive Shaft Coupler (Flail and Rotary)	Grease Gun	Lithium-Complex Extreme Pressure NLGI2 - ISO 320	Mobilgrease CM-S

# MAINTENANCE

MAINTENANCE

## POLYCARBONATE CARE & MAINTENANCE

The propriety UV and Abrasion Resistant surface coating on SHIELDS® SUPERCOATED™ polycarbonate significantly improves performance. Periodic cleaning using proper procedures and compatible cleaners are recommended to prolong service life. Tiger Corp. polycarbonate is SUPERCOATED™ on both sides.

### CLEANING THE SUPERCOAT™ HARD-COAT

1. Wash with a mild solution of soap or detergent and lukewarm water.
2. Using a soft cloth or sponge, gently wash the sheet to loosen dirt and grime and rinse well with clean water.
3. To prevent water spotting, thoroughly dry with chamois or cellulose sponge.
4. Avoid the use of abrasive cleaners, squeegees and/or other cleaning implements that may mar or gouge the coating.

### CLEANING AGENTS WHICH HAVE BEEN FOUND TO BE COMPATIBLE UNDER LABORATORY CONDITIONS:

- Aqueous Solutions of Soaps and Detergents

Windex	Top Job	Joy	Mr. Clean
Fantastik	Formula 409	Sumalight D12	Brucodecid

- Organic Solvents

Butyl Cellosolve	Kerosene	Hexel, F.O. 554	Naphtha (VM&P grade)
Neleco-Placer	Turco 5042		

- Alcohols

Methanol	Isopropyl
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All residual organic solvents should be removed with a secondary rinse.

## GRAFFITI REMOVAL

Butyl cellosolve (for removal of paints, marking pen inks, lipstick, etc.). The use of masking tape, adhesive tape or link removal tools works well for lifting off old weathered paints.

To remove labels, stickers, etc., the use of kerosene or VM&P naphtha are generally effective. When the solvent will not penetrate sticker material, apply heat (hair dryer) to soften the adhesive and promote removal.

If a material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide-only, and it is recommended that the user test the products under actual end-use conditions.

# MAINTENANCE

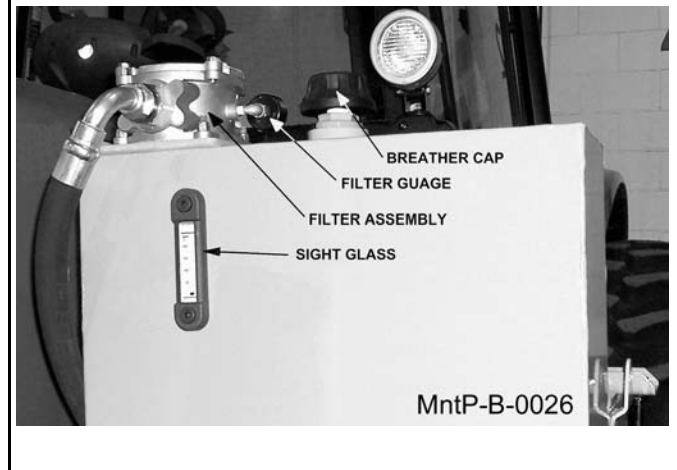
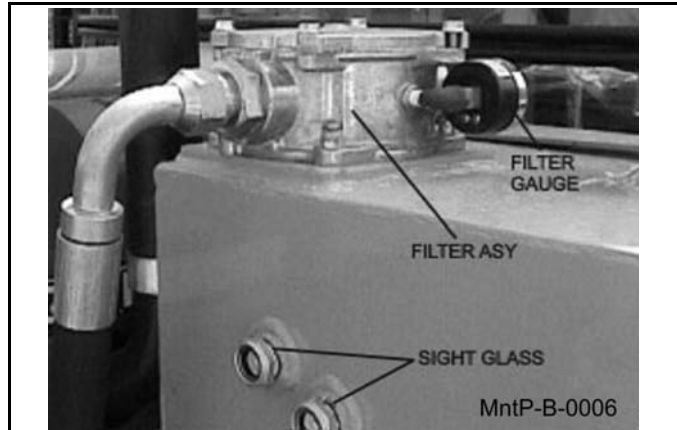
MAINTENANCE

## RECOMMENDED FILLING INSTRUCTIONS FOR HYDRAULIC RESERVOIRS

When filling or checking the oil level, the unit should be parked on a level surface., shut "OFF", and allow sufficient time to cool to ambient temperature. Use caution when removing the pressurized breather. Do not place face over opening when removing breather.

If your reservoir has two sight glasses: The reservoir should be filled to the top of the lower sight glass on the side of the tank. Do not over-fill. The reservoir has been over-filled when oil is visible in the upper sight glass. If tank has too much oil, the excess may be expelled through the pressurized breather.

If your reservoir has one sight glass/temperature gage: The reservoir should be filled to the center of the sight glass on the side of the tank. Do not over-fill. If the tank has too much oil, the excess may be expelled through the pressurized breather.



## REPLACING IN-TANK HYDRAULIC FILTER

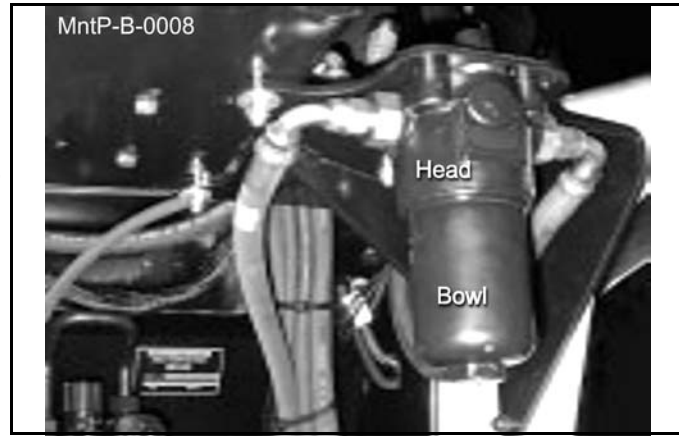
Loosen the four bolts on the top cover of the filter housing. Turn cover counter-clockwise until cover is free. Remove and replace filter. Replace top cover and cover bolts in opposite order as removed.



# MAINTENANCE

## REPLACING HIGH PRESSURE HYDRAULIC FILTER ELEMENT

Ensure that the system has been shut down and depressurized. Locate the High Pressure Filter housing. Confirm that the element to be installed matches the element p/n on the filter model tag. *Example: V3.0510-06 (world line 100, HD049 model)*, Locate the bottom of the High Pressure Bowl, and using the appropriate spanner wrench or ratchet and turning in a counterclockwise rotation, (looking at the bottom of the bowl) remove the bowl from the head. The first couple rotations will seem tight as the o-ring passes the sealing flats. Once the o-ring has cleared the sealing flats the bowl should spin freely. Taking care not to drop the bowl, finish removing the bowl from the head.



**WARNING: Bowl will be full of oil!** Pour the oil from the bowl into a container. This oil should be considered contaminated due to the outside-in flow direction through the element. Clean the inside of the bowl if "dirt" is present. Remove the old element from the filter head by pulling with a rotation motion. Dispose of the used element properly. Remove the new element from the packaging. Using your finger, dab and lubricate the o-ring in the top of the new element with oil. Install the new element into and on the mounting boss within the head. Ensure that the element is fully seated on the boss. Clean and inspect the o-ring that is affixed in the bowl and lubricate with oil. Using a clockwise rotation, screw the bowl back into the head, ensuring that the bowl has not been cross-threaded into the head. Continue to tighten the bowl into the head, using the spanner wrench or ratchet. The rotation of the bowl will become tighter once the o-ring engages the sealing flats. Once the bowl has bottomed out, back-off the bowl by 1/6 turn. This ensures that the o-ring is seated properly within the sealing flats. Element change out and re-assembly is now complete. Start the machine and inspect the filter area checking that there is no oil leaking from the filter assembly. Replace the element first at 50 hours of operation, then yearly (500 hours) or when indicated by restriction indicator.

MAINTENANCE

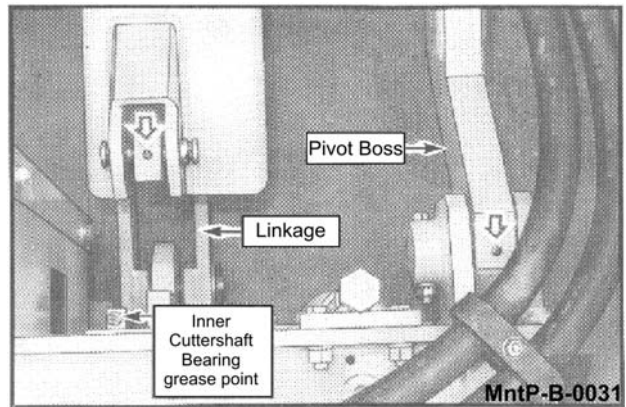
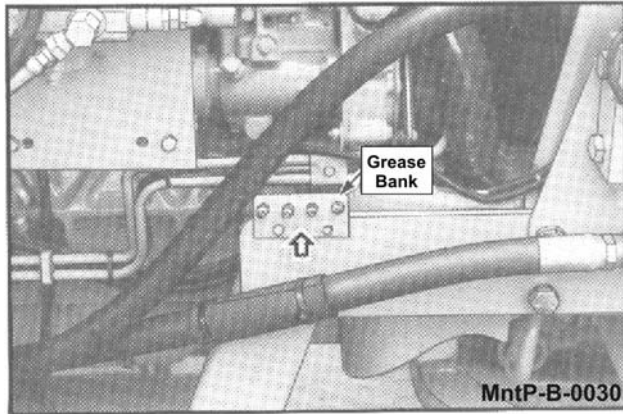


# MAINTENANCE

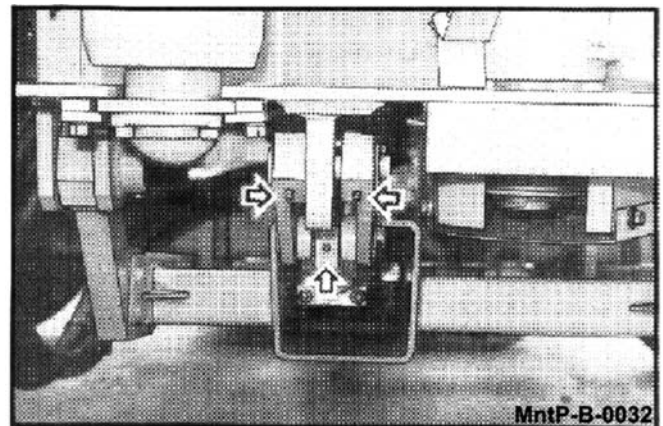
MAINTENANCE

## GREASING INNER AND OUTER DRAFT BEAM PIVOT POINTS

Locate the grease zerks on the inner and outer draft beam pivot bosses. Inject Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications into each zerk until grease protrudes from joints. Grease all pivot points daily or every 8 hours of service.



With the cutter head lowered, locate the grease zerks on the linkage and pivot bosses. Inject Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications until it protrudes from the ends. With the cutter head in this position, it is also possible to grease the draft beam cylinder anchors and pins. Now, raise the cutter head to expose the remaining zerks on the deck tilt linkages and on the other end of the cylinder.

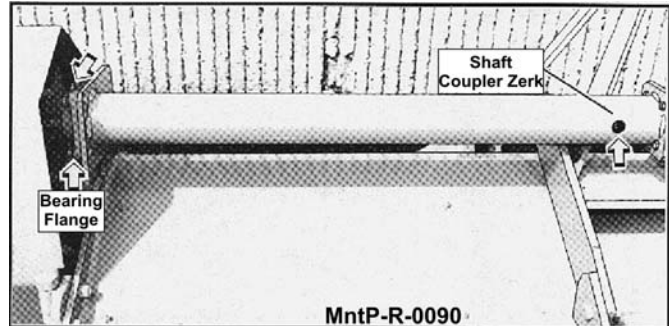


# MAINTENANCE

MAINTENANCE

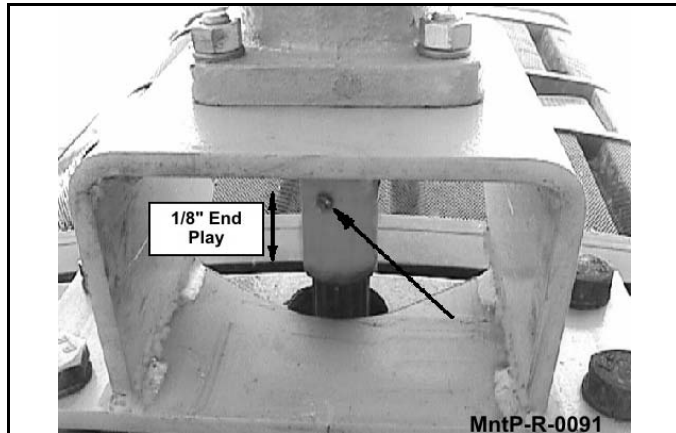
## GREASING THE REAR DRIVE BEARING AND EXTENSION COUPLER SHAFT

Locate the grease zerks for the rear flail drive extension shaft. Make sure the zerks are clean before injecting grease. One pump of grease into flange zerk and shaft coupler once every day or for every 8 hours of service.



## GREASING PUMP DRIVE SHAFT COUPLER

With engine stopped, ensure drive shaft alignment by grasping coupler and sliding back and forth. Coupler should slide freely with approximately 1/8" of end play. If coupler does not slide freely, inspect for loose pump mount bolts, or damaged or loose crank shaft adapter. Inject-Lithium Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications into coupler until grease begins to protrude from ends. Grease daily or every 8 hours. Do not over grease.

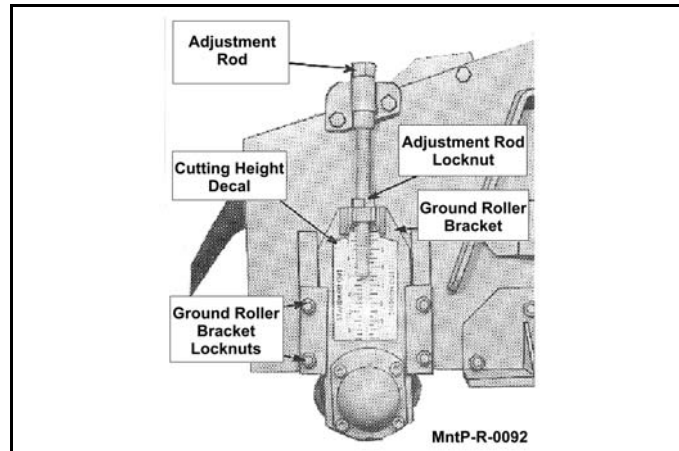


# MAINTENANCE

MAINTENANCE

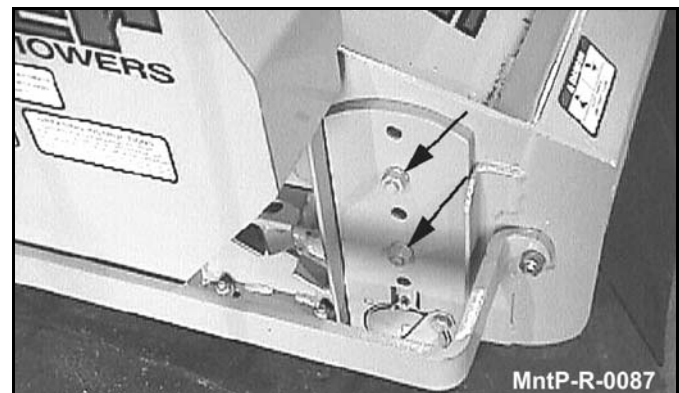
## ADJUSTING THE CUTTING HEIGHT

Loosen the four ground roller bracket locknuts. Loosen the adjustment rod locknut and turn the adjustment rod to adjust the cutting height. The cutting height is indicated by the end of the adjustment rod on the cutting height decal. When cutting height has been achieved, tighten the ground roller bracket locknuts and the adjustment rod locknut securely. Be sure both sides of the flail are adjusted the same.



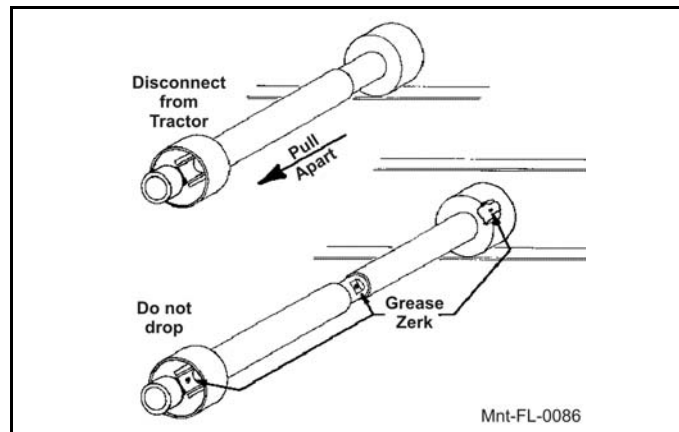
## ADJUSTING STANDARD DUTY CUT HEIGHT

To adjust the cutting height of the standard duty flail head the two nuts on the roller shaft brackets must be taken off and moved to the desired location/height. Be sure that both sides of the shaft are adjusted to corresponding holes so the shaft remains level.



## GREASING PTO SHAFTS

After bringing the tractor to a complete stop, shut off the engine and remove the PTO shaft from the tractor. Slide the shaft apart to expose the grease zerk. Grease the shaft with 5 pumps of grease and the U-joints until grease protrudes from caps per the scheduled interval in the maintenance section.



# MAINTENANCE

MAINTENANCE

## BALL VALVES

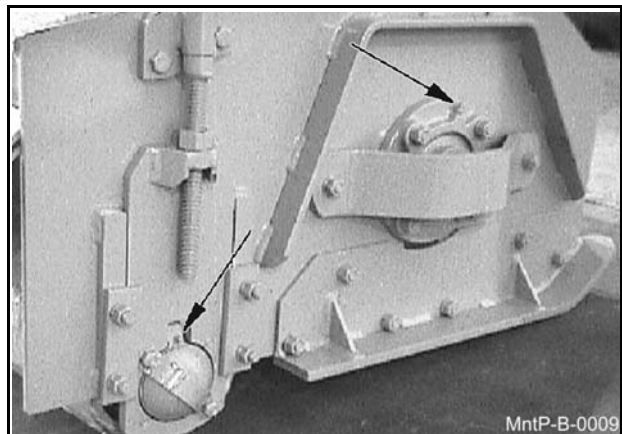
The ball valve at the hydraulic reservoir may need to be closed during certain maintenance or repair procedures. **THE BALL VALVE MUST BE OPEN (handle parallel with valve) WHEN TRACTOR IS RE-STARTED OR PUMP IS COUPLED TO MOTOR OR P.T.O.!** Failure to do so will result in component failure!

BALL VALVE



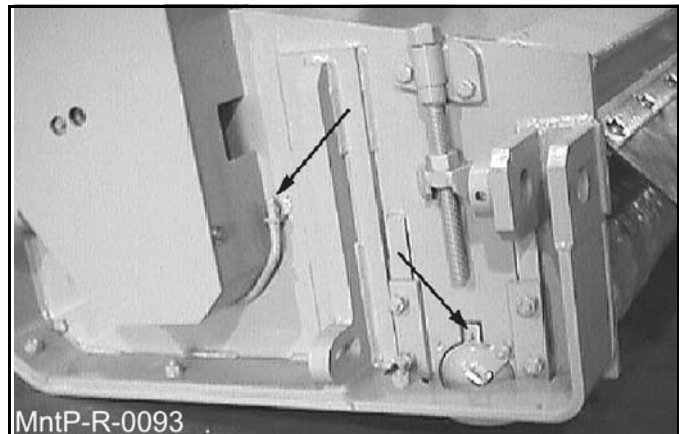
## GREASING CUTTER SHAFT-FLAIL MOWERS

Locate grease zerks on each end of cutter shaft(s). These are located on the bearing cover. Normal conditions require one or two pumps in each bearing, using Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications. This is to be done with a standard grease gun daily or at **8 hour intervals**. **CAUTION: Over greasing may cause premature seal failure.**



## GREASING GROUND ROLLER SHAFT-FLAIL

Locate grease zerks on each end of roller tube at lower rear of head. Normal conditions require one or two pumps in each bearing, using Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications. This is to be done with a standard grease gun daily or at **8 hours intervals**. **CAUTION: Over greasing may cause premature seal failure.**



# MAINTENANCE

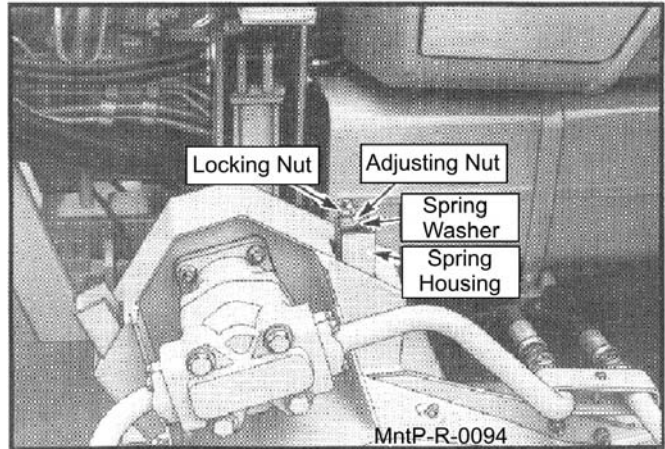
MAINTENANCE

## GREASING THE IDLER TENSION ARMS

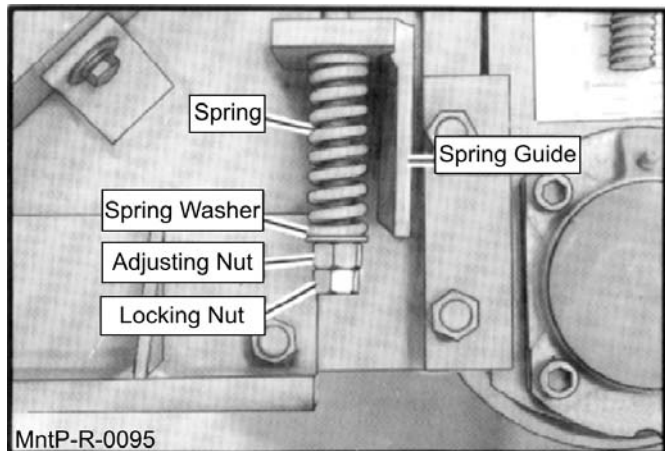
Locate the access holes and grease zerks in the belt shields of the side and rear flails. Normal conditions require one pump daily or every 8 hours of service with multi purpose grease.

## IDLER TENSION

Locate the idler tensioning rod for each flail. Loosen the locking nut. Turn the adjusting nut until the washer between the spring and nuts are flush with the spring housing or guide. Tighten locking nut securely. For standard cut on side flail adjust until the spring washer is flush with the top of the spring housing. Use the same method to adjust hydraulically driven rear flails. **MntP-R-0094**



For standard cut on the mechanically driven rear flail mower, adjust so that the spring washer is flush with the spring guide. **MntP-R-0095**



# MAINTENANCE

MAINTENANCE

## ROSTA TENSIONER

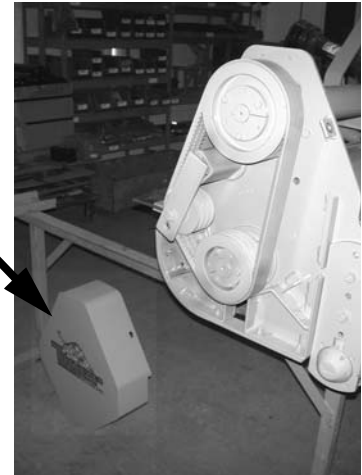
### STANDARD DUTY REAR FLAILS

Remove the shield guard over the belt shield. Next, remove the belt shield that covers the tensioner, belt and sheaves.

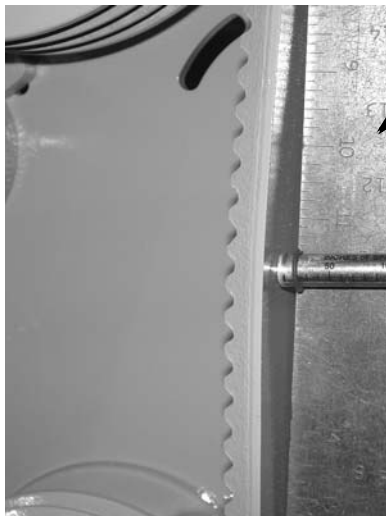


BELT SHIELD

SHIELD  
GUARD



Place a straight edge over both sheaves and measure the belt tension (See TENSIONER MEASUREMENT PROCEDURE). To adjust the Rosta Tensioner, first, loosen the Rosta Stop and Rosta Bolt that secures the Rosta to the flail. Next use the Wrench (P/N 06401023 available) to adjust the tension of the belt. After the tension has been set, secure the Rosta Stop and re-torque the Rosta Bolt to specs.

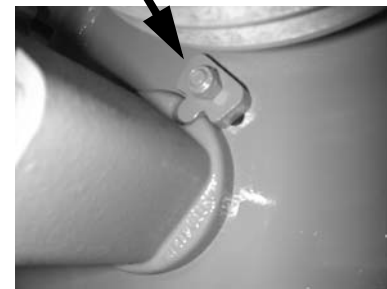


STRAIGHT EDGE

ROSTA WRENCH



ROSTA STOP



ROSTA  
TENSIONER

TRIPLE FLAIL

Maintenance Section 4-18

# MAINTENANCE

## TENSIONER MEASUREMENT PROCEDURE

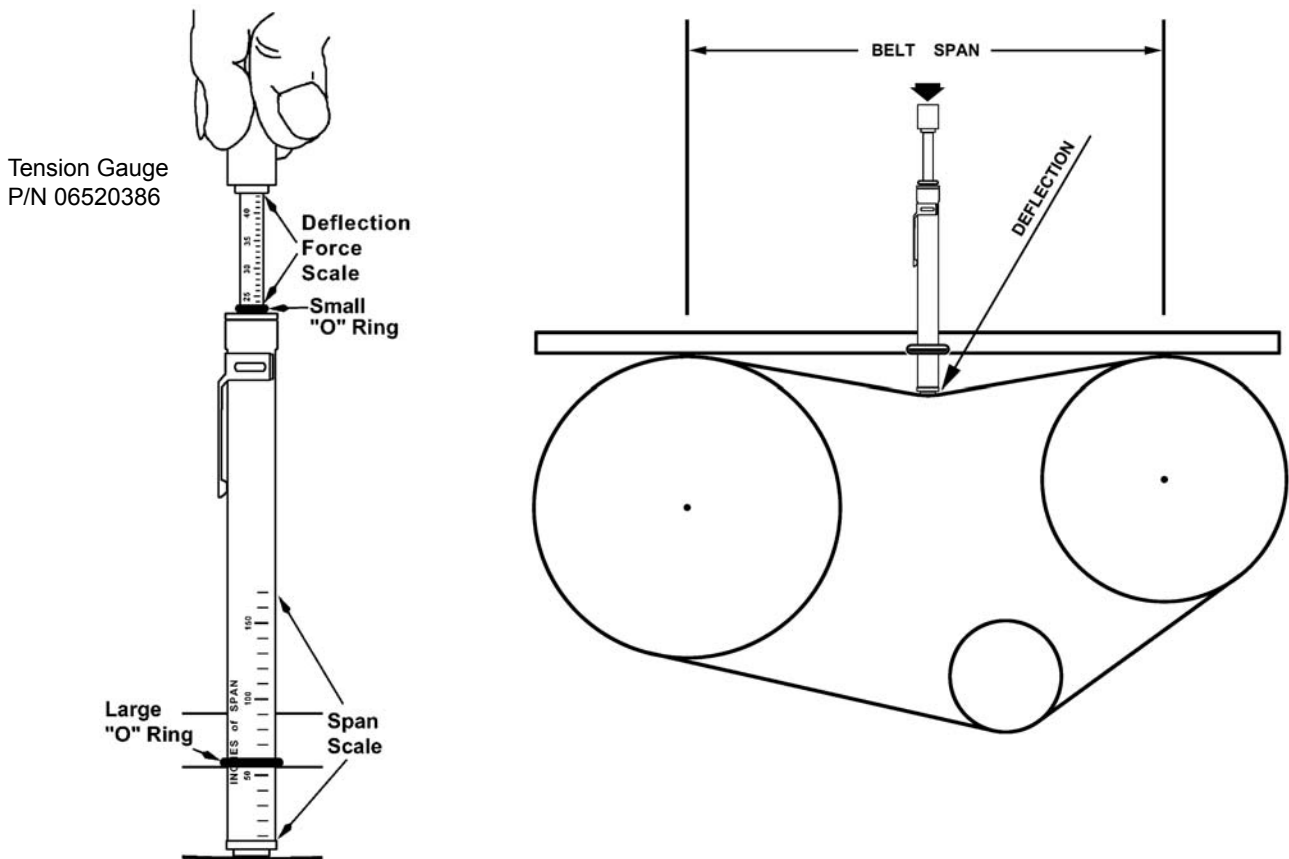
1. Measure the Belt Span (SEE SKETCH).
2. Position the bottom of the Large "O" Ring on the Span Scale at the measured Belt Span.
3. Set the Small "O" Ring on the Deflection Force Scale to Zero.
4. Place the tension gauge squarely on the belt at the center of the belt span. Apply a force on the plunger perpendicular to the belt span until the bottom of the Large "O" Ring is even with the bottom of a straight edge laid across the sheaves.
5. Remove the tension gauge and read the force applied from the bottom of the Small "O" Ring on the Deflection Force Scale.
6. Compare the force denoted by the Small "O" Ring with the values shown. The force should be between the values given for either a New Belt or Used Belt.
7. Make sure to use the force values in pounds if the span is measured in inches. Use kilograms of force if the span is measured in centimeters.

NOTE: The ratio of the deflection to belt span is 1/64 in either units of measurements.

### Deflection Force Values - Standard Duty

**New Belt: 20 to 25 pounds**

**Used Belt: 12 to 20 pounds**

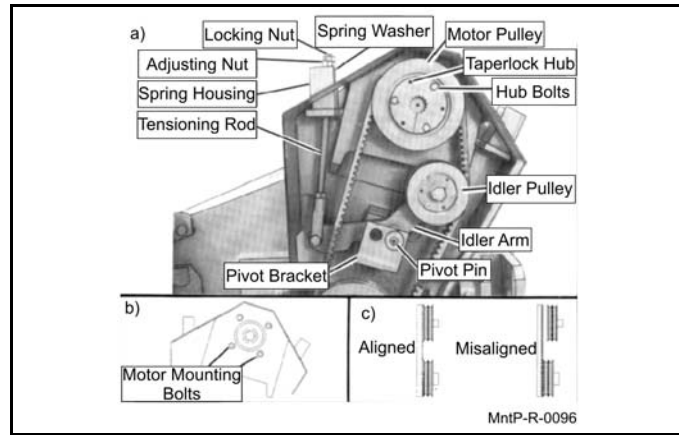


# MAINTENANCE

## REVERSING MOWER ROTATION OF SIDE AND REAR FLAIL MOWERS

To reverse the rotation of the side and hydraulically driven rear flail, a different idler arm is needed only for side flail. Part No. TF4346 is used in standard rotation. Part No. TF4345 is used in reverse rotation.

Before attempting this procedure, be sure all dirt is cleaned away from the motor and around all hose connections. This will prevent the oil from becoming contaminated.



1. Start by removing the belt shield from the flail mower.
2. Remove the locking and adjusting nut, spring washer and spring from the idler tensioning rod.
3. Disconnect the tensioning rod from the idler arm.
4. Remove the idler arm with the pulley attached.
5. Remove the idler pulley from the idler arm and reinstall in the short end of the new idler arm.

Reinstall the idler arm and pivot pin. The pivot pin is installed into the hole in the pivot bracket closest to the idler pulley. When assembling for **standard** cut rotation, the idler arm is installed with the idler pulley toward the front of the mower with the pivot pin in the front hole. When assembling for **reverse** rotation, with smooth cut knives, the idler arm is installed with the pulley toward the rear of the mower with the pivot pin in the rear hole.

Now disconnect the hoses and fittings from the motor and remove the taper-lock hub and pulley from the motor by removing the three hub bolts from the existing positions and inserting simultaneously into the threaded holes. Remove the four bolts holding the motor. Rotate the motor 180° so the hump is opposite the prior position. Reinstall the motor bolts and torque to 75 ft. lbs. Reconnect the hoses and fittings to the motor in the same configuration as before, i.e. the hose that was connected to the front port on the motor should now be connected to the port that is now facing the front.

Reinstall the taper-lock hub and pulley on the motor by installing the hub bolts in the original holes and tightening until the hub just contacts the pulley. Then, position the pulley on the motor shaft approximately 3/16" beyond the idler pulley and tighten and torque the hub bolts to 18 ft./lbs. Be sure the pulleys are vertically aligned when tight (see **Figure MntP-R-0096**), loosen and readjust if needed.

Reinstall the belts and idler tensioning rod. Tighten and lock the tensioning rod as shown previously in the maintenance section. Reinstall the belt shield.

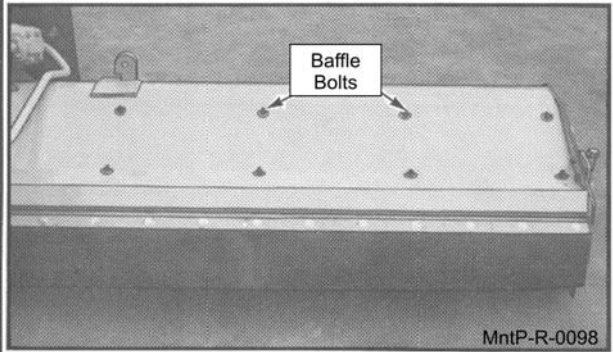
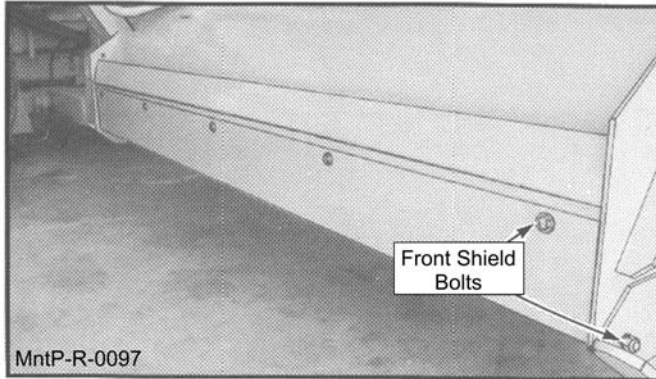
With the motor rotation changed, now all of the knives on the cutter shaft must be changed as required. The cutter shaft rotates in the same direction as the tractor tires when going forward for standard cut knives. The shaft rotates opposite to standard rotation for smooth cut knives. Smooth cut knives should be installed so the cutting edge is forward.



# MAINTENANCE

MAINTENANCE

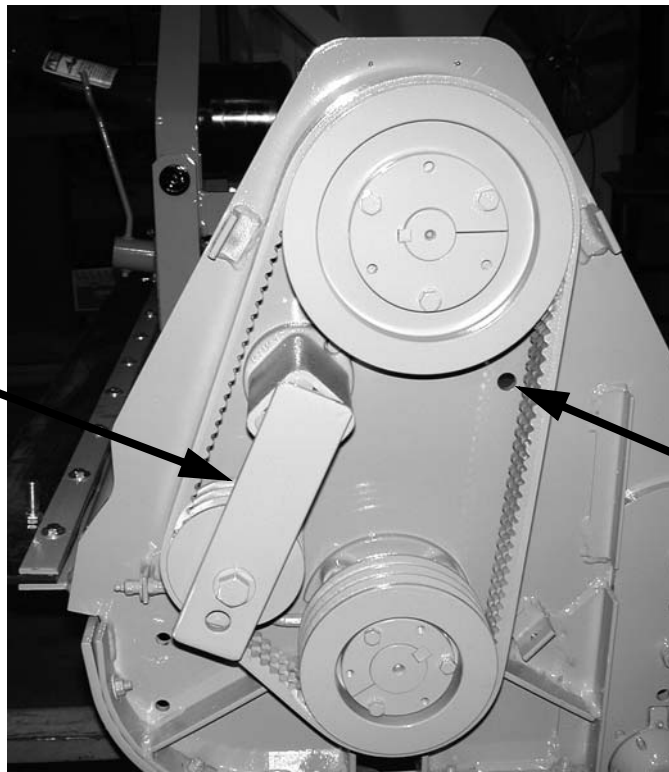
When operating in standard rotation, the front shield must be removed and the baffle installed. When operating in reverse rotation, remove the baffle and install the front shield. Finally, reposition the wear pads on the hoses and replace the zip ties as needed to prevent the hydraulic hoses from rubbing or chafing.



## REVERSING MOWER ROTATION OF SD REAR FLAIL MOWERS

Remove the shield guard and belt shield. Next, remove the Rosta stop and loosen the Rosta Tensioner (**CAUTION:** the Rosta Tensioner is under belt pressure. Sudden release of this pressure may cause serious injury). Remove the Rosta Tensioner and relocate to the Reverse Rotation Tensioner location. Using the Rosta wrench, tension the belt, then tighten the Rosta bolt. Check the tension and adjust as needed. When the correct tension is achieved install the Rosta stop and torque the bolts appropriately.

Rosta Tensioner



TRIPLE FLAIL

Maintenance Section 4-21

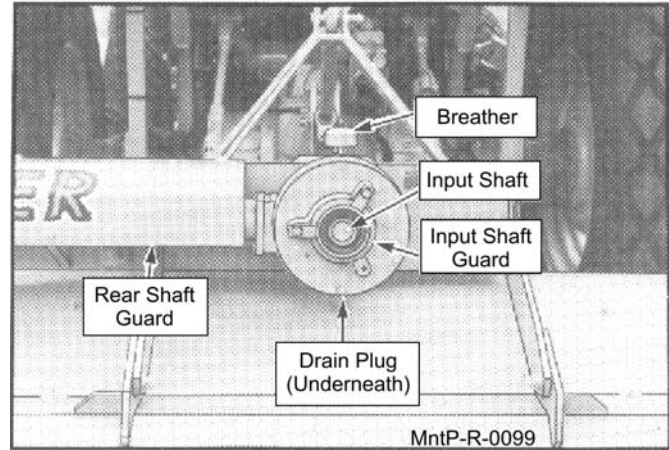
# MAINTENANCE

MAINTENANCE

## REVERSING MOWER ROTATION REAR MECHANICAL DRIVEN FLAIL MOWERS

Remove the rear shaft guard and disconnect the chain coupling to the shaft. Disconnect the P.T.O. drive shaft from the right angle gear box. Remove the gear box from the flail frame and lay down flat so that gear oil does not leak out.

Switch the top breather vent plug with the drain plug on the bottom. Remove the input shaft guard. The input shaft must be pressed through or turned around so the rear extension is equal to what the original front dimension was. Turn the gear box 180° and install on the flail frame so the frame so the chain coupling sprockets are side by side and the breather vent plug is on the top of the case.



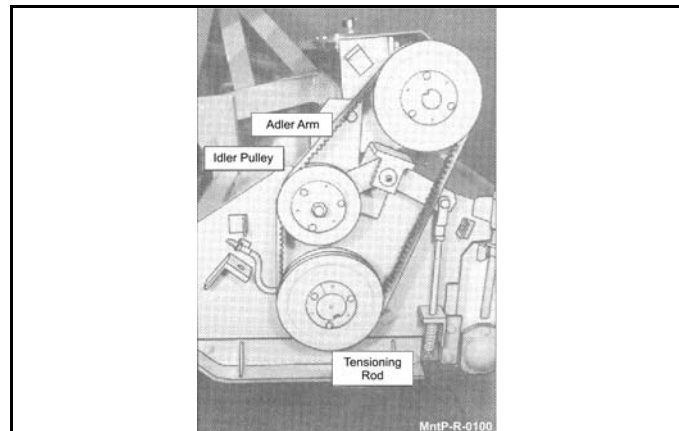
The sprocket must be aligned and spaced approximately 3/8" apart. When changing from standard cut to smooth cut rotation, a spacer plate may have to be installed between the gear box and the frame. When changing from smooth cut to standard cut rotation the spacer plate is to be omitted. Install the chain for the chain coupling. If there is any binding, or not free movement in the chain, the bearing next to the coupler may be shimmed as required to eliminate the chain binding.

Change all the knives on the cuttershaft as required. The cuttershaft rotates in the same direction as the tractor tires when going forward for standard knives. The cuttershaft rotates opposite the tractor tires for smooth cut knives.

Remove the belt shield. Then remove the adjusting nuts, washer and spring from the idler tensioning rod. Remove the clevis rod and small bushing from the idler arm. Remove the idler arm with the pulley attached. Remove the idler pulley from the idler arm and install the pulley on the other end of the idler arm. Reinstall the idler arm in the pivot bracket. For standard cut rotation the pulley is toward the front, for reverse rotation with smooth knives, the idler pulley is toward the rear. Install the small bushing in the idler arm and connect the idler tensioning rod.

Tightening the adjusting nuts for the idler arm tensioner as shown previously in the Maintenance Section. Install the belt shield, the shaft guard and PTO shaft guards.

When operating the mower in reverse rotation with smooth cut knives, remove the baffle and install the front shield. When operating the mower in standard rotation with standard cut knives, remove the front shield and install the baffle.



# MAINTENANCE

## Flail Blades Inspection

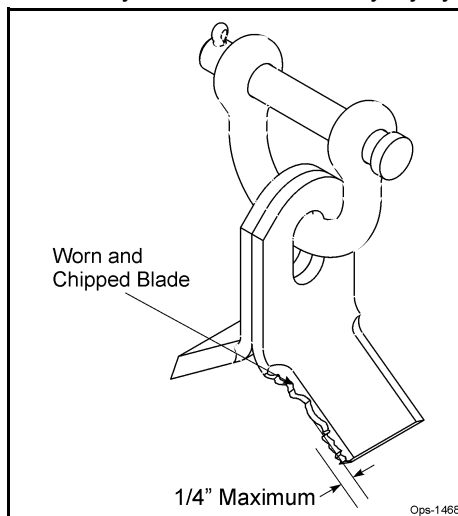


Inspect the Blades daily for ab normal wear. REPLACE ALL BLADES on the carrier IMMEDIATELY if any blades have:

- Become bent or deformed from its original shape, or
- Wear inside the blade bolt hole, or
- Any cracks are visible, or
- Deep gouges in the blade's surface are present, or
- Gouges or chipped areas in the cutting edge are larger than 1/4"(8mm), or
- The material on the leading edge has been worn away by more than 1/4"(8mm)

**DO NOT** straighten, sharpen, weld or hard-face blades

Failure to replace worn or damaged blades may lead to catastrophic failure of the blades and ejection of the broken part with tremendous force which may cause serious bodily injury or death.



Always replace blades in sets

- Blades that are damaged may indicate severe service or abuse. If one blade is worn or damaged other blades on the same shaft will have been subjected to the same severe service or abuse.
- The Flail rotor turns at speeds exceeding 2000 RPM and is dynamically balanced at the factory. Differences in blade weight between used blades with loss of material from gouges or wear as compared to new blades can cause severe vibration and damage to the Flail rotor. Always replace blades as complete sets.

### Important

Use only genuine Alamo Industrial replacement blades and fasteners. Other blades and fasteners may not meet the Alamo Industrial requirements and could fail during operation resulting in part being thrown out from under the mower.



Never attempt to sharpen blades. OPS-U-0044

MAINTENANCE

# MAINTENANCE

## **Blade Pins and D-Ring Inspection**

Inspect Blade Pins and D-Rings daily for wear or damage as follows:

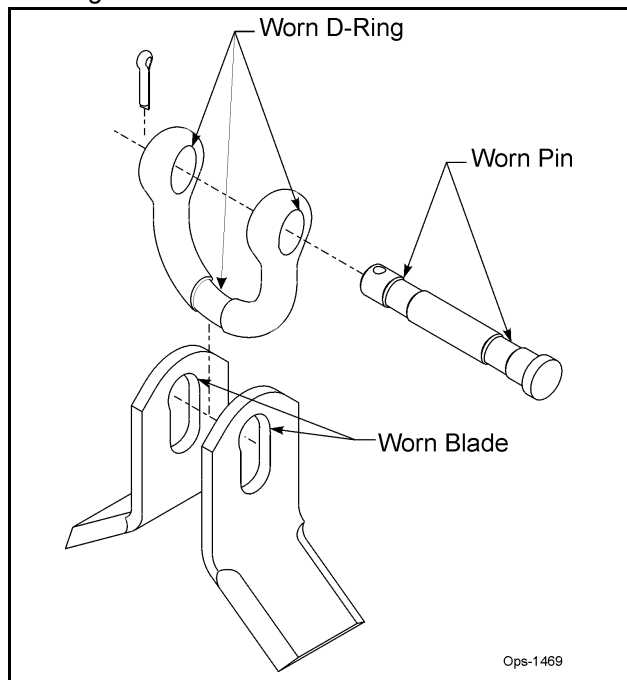


Inspect the Blade pins and D-Rings daily for abnormal wear. Make sure the cotter pins are in place and properly spread. REPLACE BLADE Pins and D-Rings IMMEDIATELY if they have:

- Visible cracks or
- If a Pin or D-Ring has visible worn areas, or
- If a Pin or D-Ring has gouges or chipped areas

Failure to replace abnormally worn pins or D-Rings may lead to catastrophic failure and ejection of the broken part, which may cause serious bodily injury or death.

Always replace the pins and D-Rings whenever excessive wear is noticed.



### **Important**

If the cotter pins are broken by contact with other flail blades, remove the pin and reverse the direction the pin is inserted through the D-Ring so that the cotter pin is on the opposite side of the D-Ring. This will prevent the next set of blades from swinging back and hitting the cotter pin. OPS-U-0045

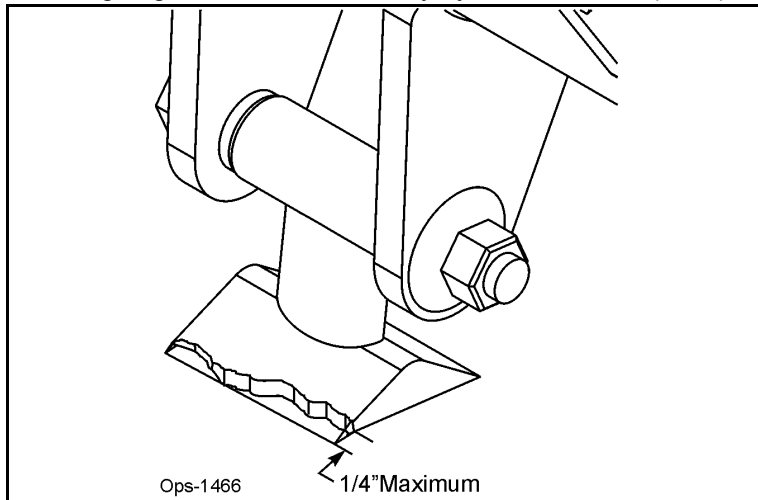
# MAINTENANCE

## Flail Axe Blades Inspection



Inspect the Blades daily for ab normal wear. REPLACE ALL BLADES on the carrier IMMEDIATELY if any blades have:

- Become bent or deformed from its original shape, or
- Oval shape wear inside the blade bolt hole, or
- Any cracks are visible, or
- Deep gouges in the blade's surface are present, or
- Gouges or chipped areas in the cutting edge are larger than 1/4"(8mm), or
- The material on the leading edge has been worn away by more than 1/4"(8mm)



Failure to replace worn or damaged blades may lead to catastrophic failure of the blades and ejection of the broken part with tremendous force which may cause serious bodily injury or death.

Always replace blades in sets

- Blades that are damaged may indicate severe service or abuse. If one blade is worn or damaged other blades on the same shaft will have been subjected to the same severe service or abuse.
- The Flail Axe rotor turns at speeds exceeding 2000 RPM and is dynamically balanced at the factory. Differences in blade weight between used blades with loss of material from gouges or wear, as compared to new blades, can cause severe vibration and damage to the Flail Axe rotor. Always replace blades as complete sets.

### **Important**

Use only genuine Alamo Industrial replacement blades, blade bolts and fasteners. Other blades and bolts may not meet the requirements of Alamo Industrial and may fail during operation, resulting in the part failing and being thrown out from under the mower.



Never attempt to sharpen blades. OPS-U-0042

# MAINTENANCE

## Flail Axe Blade Bolt Inspection

Inspect Blade Bolts daily for wear or damage as follows:

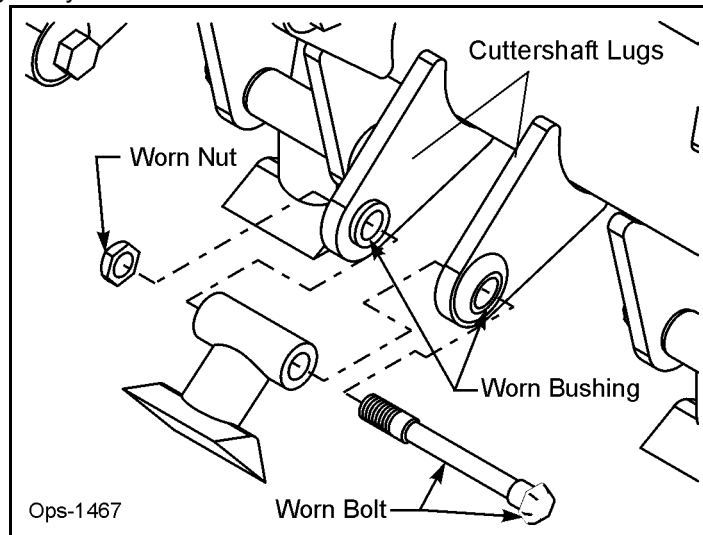


Inspect the Blade Bolt daily for abnormal wear. REPLACE ALL BLADE BOLTS on the carrier IMMEDIATELY if any bolts have:

- Visible cracks or
- If the blade bolt is worn or any recessed area is visible on the bolt, or
- If Blade Bolt has gouges or chipped areas. or
- If Bushing fits loose in the Rotor Shaft.

Failure to replace abnormally worn bolts or bushings may lead to catastrophic failure of the blades and ejection of the broken part, which may cause serious bodily injury or death.

Always replace Blade Bolts with new bolts and new bushings whenever replacing the Blades. To tighten bolts and nuts, first apply thread lock to nut. Make sure to tighten bolts and nuts just enough to allow the blades to swing freely and not bend the cuttershaft lugs. If cuttershaft lugs are bent together because of over tightening the blades will not swing freely. OPS-U-0043



MAINTENANCE

# MAINTENANCE

## STANDARD OR HEAVY DUTY SIDE OR REAR FLAIL KNIFE REPLACEMENT

1. If knives are damaged or badly worn, they will need to be replaced as a set. Replacing a single knife can cause severe vibration and possible damage to the mower.
2. Assemble knives, clevis, bolts and nuts as shown in parts manual.
3. Install locking hex nut so that the flat face of nut is towards the knife.
4. Apply loctite "271" or equivalent to threads.
5. Torque nut to 52 FT. LBS. Knife must swing freely.



DO NOT re-use the locking hex nuts for mounting the knives. If hex nut become loose, or require removal for knife replacement or any other reason, they must be discarded and replaced with new nuts.



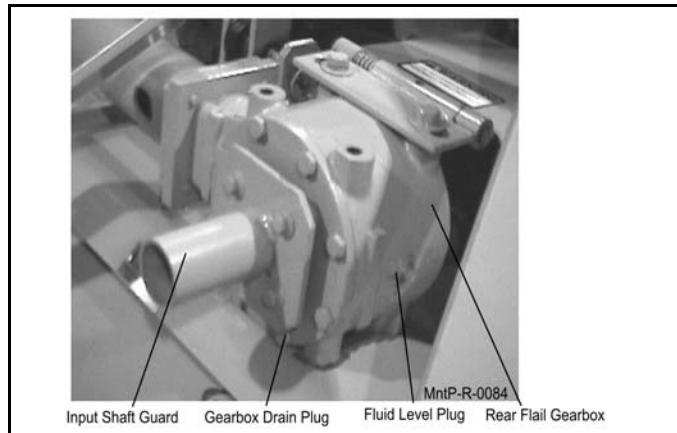
Knives should not be welded on for any reason.

## RECOMMENDED FILLING INSTRUCTIONS FOR REAR FLAIL GEARBOX

When filling or checking the fluid level, the unit should be parked on a level surface with rear flail down on surface, shut **OFF**, and cold, (at ambient temperature).

Remove the fluid level plug located on the side of the gear box. The gear box should be filled to the bottom of the fluid level hole. If necessary, use 75-90 wt. PAO Synthetic Extreme Pressure Gear Lube to raise level to bottom of the hole.

**Do not over-fill.** Excessive gear oil will run back out of the hole. Reinstall fluid level plug into gearbox. If gearbox has been over-filled, the excess may be expelled through the pressurized breather.



# MAINTENANCE

## CUTTERSHAFT BEARING REPLACEMENT

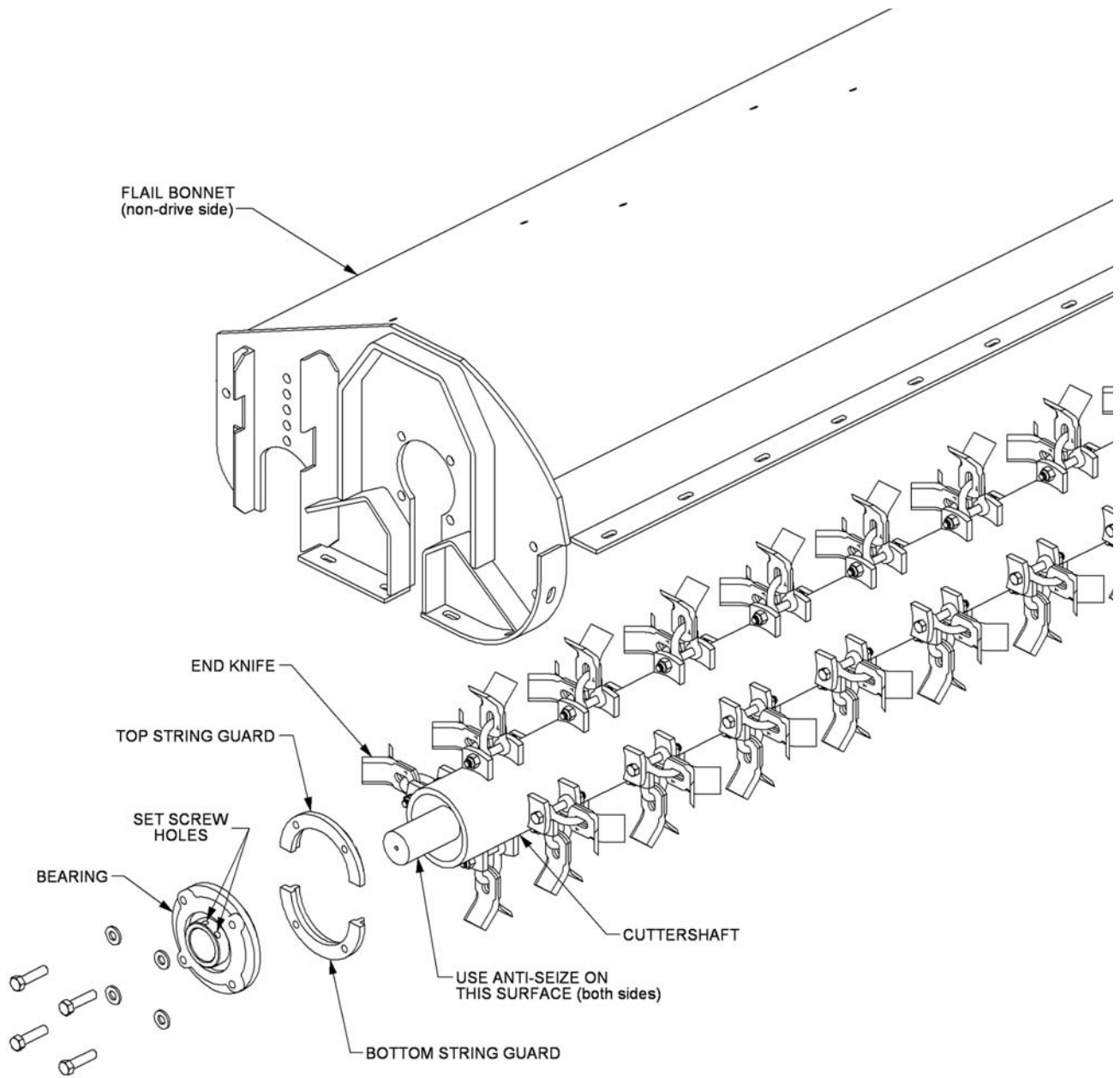
1. Remove existing cuttershaft, bearings and string guards.
2. Make sure that the end knives on each end of the cuttershaft are oriented as shown.
3. Apply anti-seize on cuttershaft as shown on next page.
4. Install non-drive side bearing first.
5. Install the top of the string guard on the non-drive side first. Use Loctite-271 or equivalent and torque (95 ft-lb or 104ft-lb if you use an extension).
6. Install the bearing and top string guard on the drive side.
7. Center the cuttershaft between the string guards. Use Loctite-271 or equivalent and torque (95ft-lb or 104ft-lb if you use an extension) the top string guard on the drive side.
8. Install, use Loctite-271 or equivalent, and torque (95ft-lb or 104ft-lb if you use an extension) the bottom string guard on both sides.
9. Make sure the cuttershaft is centered. On the non-drive side, tighten one set screw in the bearing onto the cuttershaft.
10. Remove the other set screw and drill a 5/16" hole into the cuttershaft 3/16" deep through the hole in the bearing. BE CAREFUL NOT TO DAMAGE THE THREADS IN THE BEARING HOLE.
11. Replace the set screw in the bearing, use Loctite-271 or equivalent, and tighten onto the cuttershaft through the new hole.
12. Remove the other set screw and repeat the drilling procedure (Step 10). Replace the set screw as stated in Step 11.
13. Repeat steps 9 through 12 on the drive side.
14. Grease both bearings properly.

**See illustration on next page**



# MAINTENANCE

MAINTENANCE



TRIPLE FLAIL

Maintenance Section 4-29

# MAINTENANCE

MAINTENANCE

## DAILY MAINTENANCE SCHEDULE

The following services should be performed **daily** or every **8 hours** of service, following the detailed maintenance instructions in the operators manual.

- \_\_\_\_\_ Pump Drive Shaft: Check for end play in driveshaft / coupler and lubricate at zerks.
- \_\_\_\_\_ Crankshaft adapter: If equipped with rubber grommets check condition, replace if missing or damaged.
- \_\_\_\_\_ Pivot points: Inject grease until it appears at ends.
- \_\_\_\_\_ Hydraulic fittings: Check for leaks with paper or cardboard. Tighten fittings or replace hoses immediately.
- \_\_\_\_\_ Knives: Inspect for missing or damaged knives, change (only complete sets) as needed.
- \_\_\_\_\_ Belts: Check/Tighten/Replace belts as needed.
- \_\_\_\_\_ Main Frame/Deck: Unless otherwise specified retorque bolts according to torque specifications in this section.
- \_\_\_\_\_ Hydraulic Fluid Level: Add, if required, per fluid recommendations.
- \_\_\_\_\_ Rear Flail Drive, Bearing Flange and Shaft Couplers (if applicable): Grease as instructed in the detailed maintenance section.
- \_\_\_\_\_ Cutter Shaft and Ground Roller: Grease as instructed in the detailed maintenance section.

Service performed by: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_ Hour

Meter: \_\_\_\_\_

Maintenance Section

\*\*This page may be copied and used as part of the daily maintenance routine.

# PARTS SECTION

# PART NAME INDEX

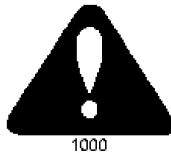
PARTS ORDERING GUIDE.....	3
TRACTOR MOUNT KIT.....	4
TRACTOR MOUNT KIT - HYDRAULICS.....	6
CABLE (MANUAL) LIFT VALVE BREAKDOWN TF4210.....	8
CABLE (MANUAL) LIFT VALVE MOUNT.....	10
4 SPOOL CABLE CONTROL MOUNT.....	12
BUMPER TANK MOUNT.....	14
COOLER ASSEMBLY.....	16
BATTERY RELOCATION.....	18
DRAFT BEAM - LEFT HAND.....	20
DRAFT BEAM - RIGHT HAND.....	22
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## PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this manual.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must indicate the **Name and Address** of the person or organization ordering the parts, **who should be charged**, and if possible, the **serial number of the machine** for which the parts are being ordered.
3. The purchase order must clearly list the **quantity of each part**, the complete and correct **part number**, and the basic **name of the part**.
4. The manufacturer reserves the right to substitute parts where applicable.
5. Some parts may be unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a purchase order.
6. The manufacturer reserves the right to change prices without prior notice.

NOTE: When ordering replacement decals, refer to the part numbers and descriptions listed in the safety section in the front of this manual.

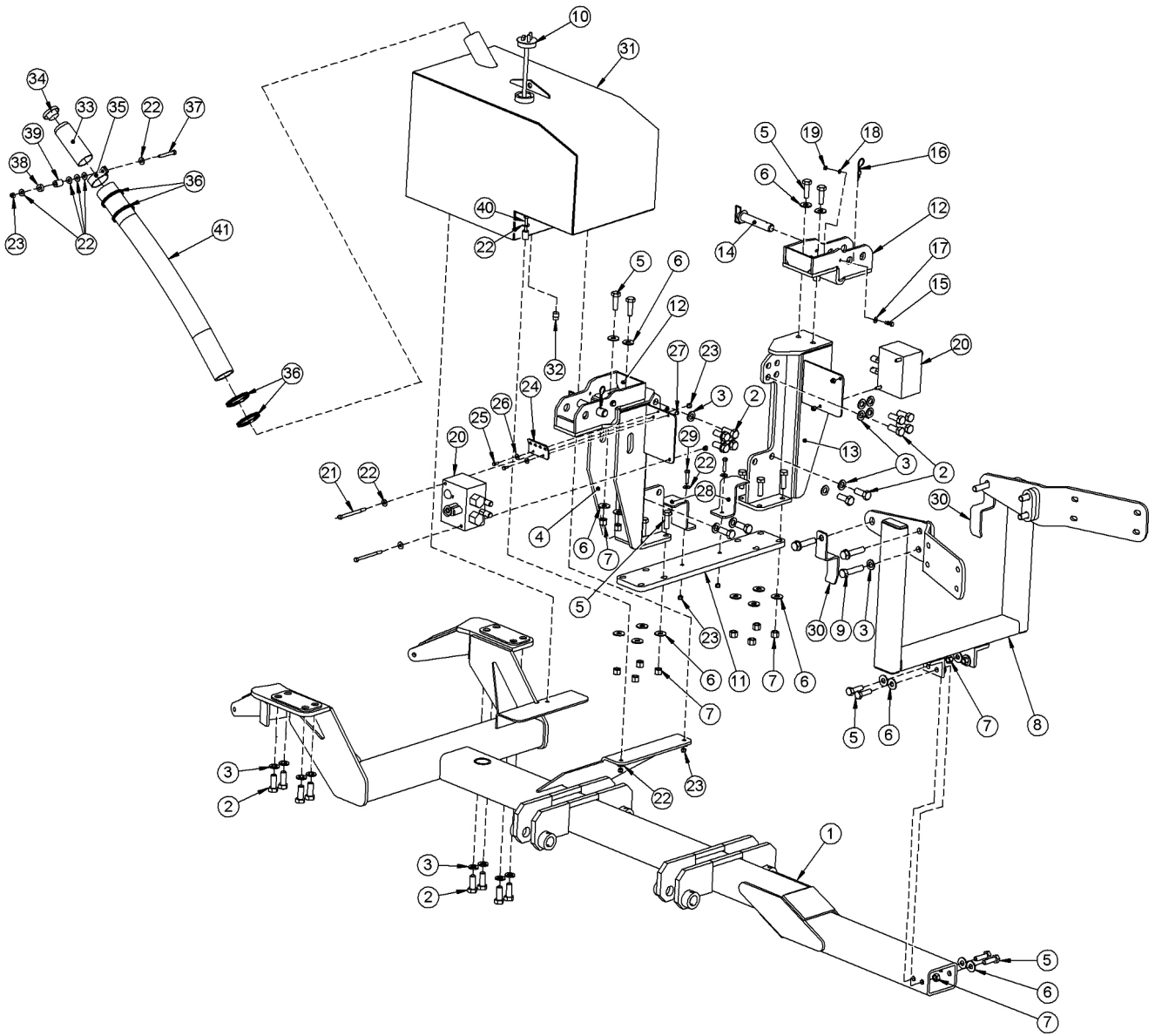


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

**Tiger Corporation**  
3301 N. Louise Ave.  
Sioux Falls, SD 57107  
1-800-843-6849  
1-605-336-7900

# TRACTOR MOUNT KIT



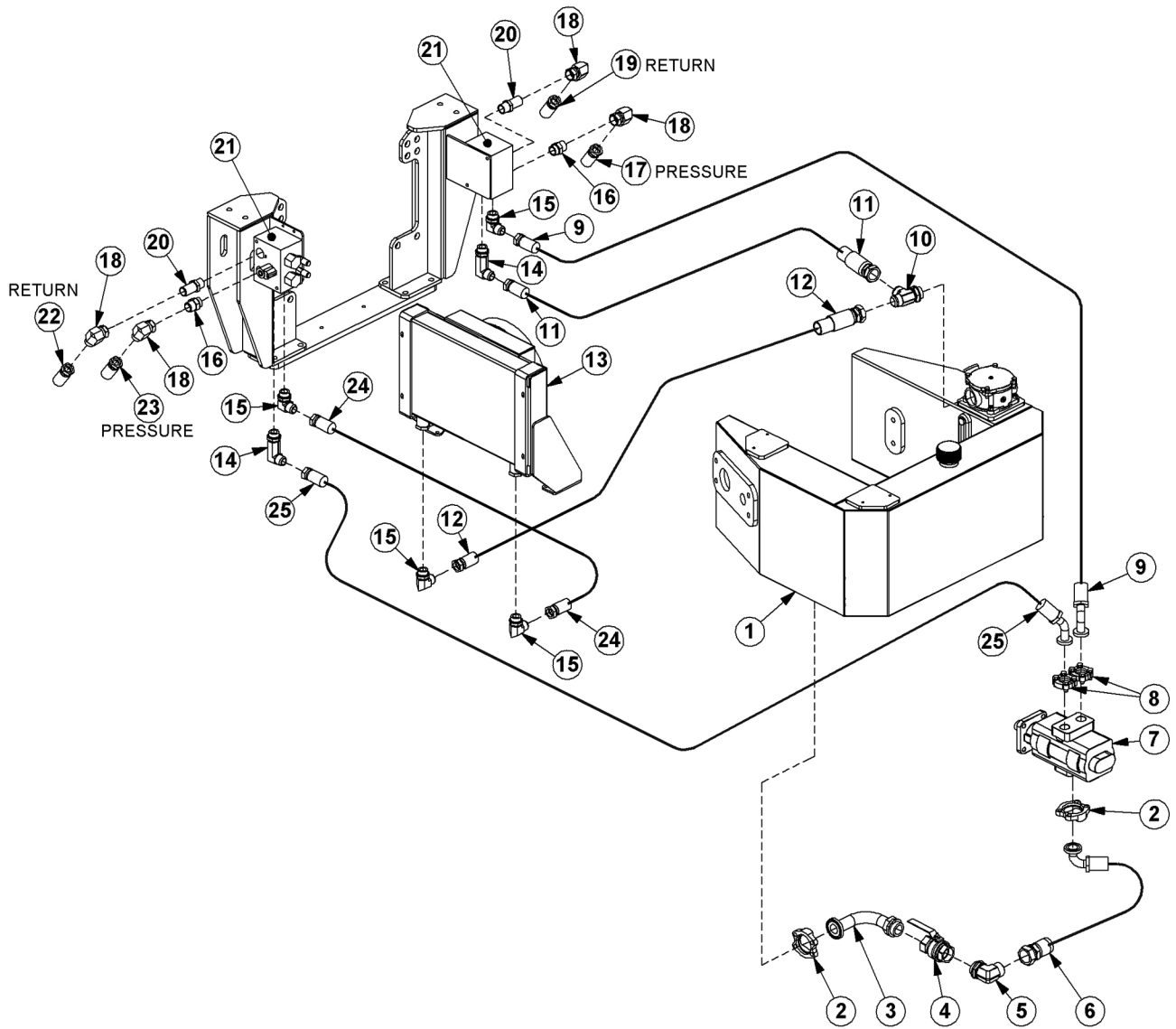
ITEM	PART NO.	QTY.	DESCRIPTION
1	06300243	1	T-FRM,JD6XXXD,T3F
2	31731	20	CAPSCREW,20MM X 50MM,2.5P
3	33880	26	FLATWASHER,3/4",GR8,SAE
4	06300268	1	MAST FRM,RH,JD6XXXD,T3F
5	21784	16	CAPSCREW,5/8" X 2 1/4",NC
6	22020	24	FLATWASHER,5/8"
7	21777	16	NYLOCK NUT,5/8"
8	06300244	1	HNGR FRM,JD6XXXD,T3F
9	30708	6	CAPSCREW,20MM X 90MM,2.5P
10	-----	-	JD6105 FUEL TANK SENDING UNIT

## TRACTOR MOUNT KIT

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
11	06402486	1	CROSS,MAST,06300268
12	06370262	2	BRKT,TRVLCK,T3F,JD6105-40D
13	06300269	1	MAST FRM,LH,JD6XXXD,T3F
14	TF4250	2	PIN,TRVLCK,(W/CHAIN)
15	21580	2	CAPSCREW,5/16" X 1",NC
16	6T3004	2	R-CLIP,3/16"
17	22015	2	FLATWASHER,5/16"
18	21987	2	LOCKWASHER,5/16"
19	21575	2	HEX NUT,5/16",NC
20	06510083	2	VALVE,BRAKE,SOL,3000PSI,METRI
21	21644	2	CAPSCREW,3/8" X 5",NC
22	22016	15	FLATWASHER,3/8",GR8
23	21627	8	NYLOCK NUT,3/8",NC
24	22625	1	BRKT,GREASE HOSE
25	21529	2	CAPSCREW,1/4" X 3/4",NC
26	22014	2	FLATWASHER,1/4"
27	21527	2	NYLOCK NUT,1/4",NC
28	06410247	2	CLAMP,HOSE,T3F,HANGER
29	21633	2	CAPSCREW,3/8" X 1 3/4",NC,GR8
30	06412074	2	BRKT,HOSE
31	06370261	1	TANK,FUEL,JD6105-40D
32	6T4201	1	PLUG,PIPE 1/2"
33	31058A	1	FILLER NECK,TANK,JD6000,FUEL
34	31206	1	CAP,FUEL,LOCKING,JD6000
35	31146A	1	CLAMP,NECK,FILLER,TANK,FUEL,
36	31065	4	CLAMP,HOSE,#48
37	21638	1	CAPSCREW,3/8" X 3", NC
38	27082B	1	SPACER, .88" X .50" X 1.19"
39	27081	1	SPACER,1"OD X 7/16"ID X 3/8"LG
40	21634	3	CAPSCREW,3/8" X 2",NC
41	31064	1	HOSE,SUCTION,2.50"I.D.,BULK, 33"

# TRACTOR MOUNT KIT - HYDRAULICS



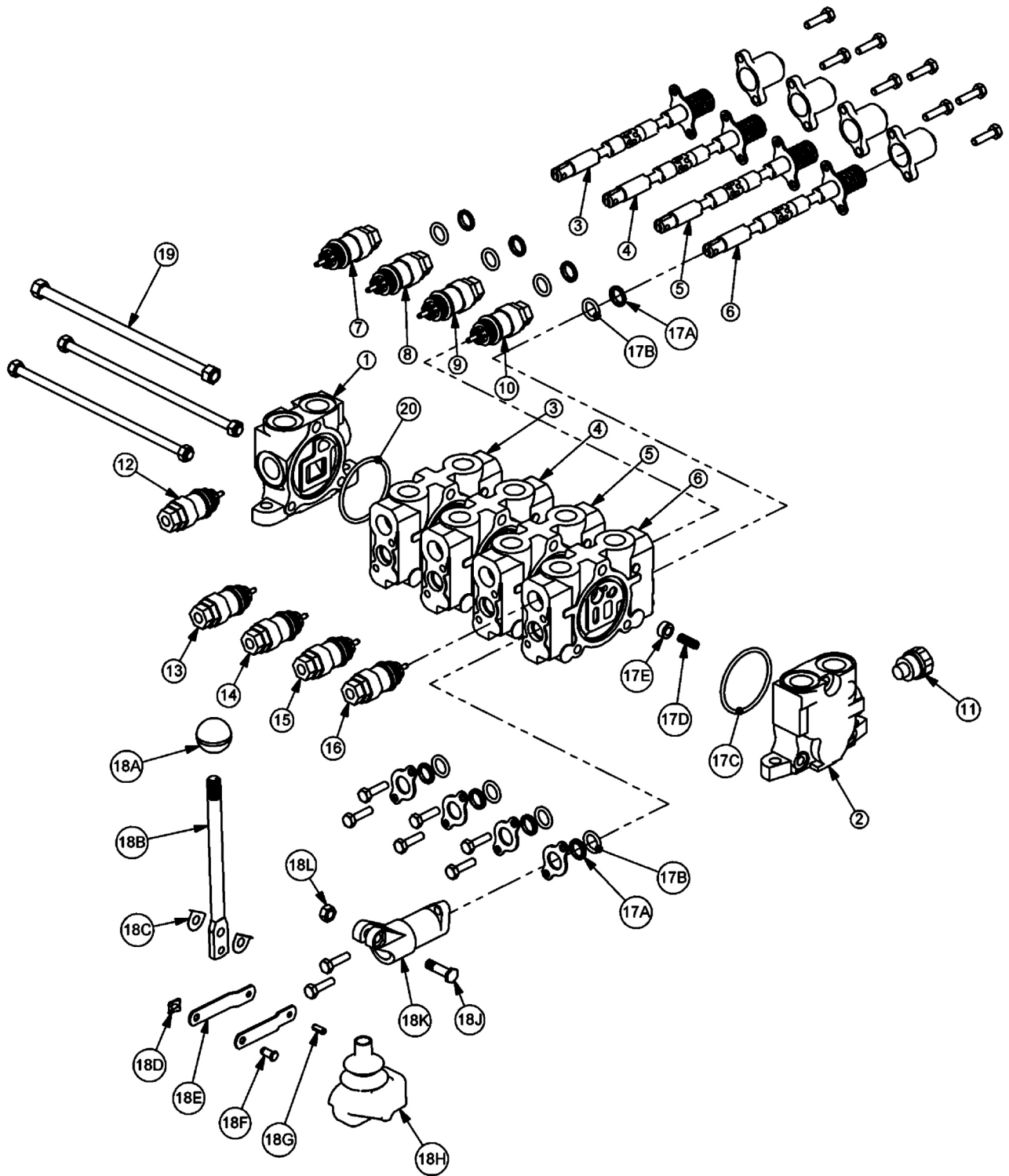


## TRACTOR MOUNT KIT - HYDRAULICS

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BUMPER TANK *REFER TO TRACTOR MOUNT KIT
2	TF4431	2	KIT,FLANGE,#32
3	34389	1	ELBOW,1-1/2"MOR X 32FLG90°
4	34309	1	1-1/2" BALL VALVE
5	34655	1	ELBOW,1-1/2"MOR X 90°
6	06500119	1	HOSE,1-1/2" X 28"
7	TF4450	1	TANDEM PUMP
8	TF4852	2	KIT,FLANGE,#20
9	06500613	1	HOSE,1" X 87"
10	34656	1	TEE,RUN,1-1/4"MOR X 1-1/4"MJ
11	06500765	1	HOSE,1" X 80"
12	06500260	1	HOSE,1" X 31"
13	06510026	1	COOLER,FRONT MNT
14	06503149	2	ELBOW,1"MOR X 1"MJ90°,LONG
15	34117	4	ELBOW,1"MOR X 1"MJ90°
16	33555	2	ADAPTER,1"MOR X 1"MJ
17	06500766	1	HOSE,1" X 105"
18	33259	4	ELBOW,1"MJ X 1"FJX90°
19	06500550	1	HOSE,1" X 123"
20	32969	2	ADAPTER,NIPPLE,LONG
21	06510083	2	BRAKE VALVE
22	06500276	1	HOSE,1" X 112"
23	06500767	1	HOSE,1" X 101"
24	33253	1	HOSE,1" X 92"
25	06500682	1	HOSE,1" X 89"

CABLE (MANUAL) LIFT VALVE BREAKDOWN TF4210

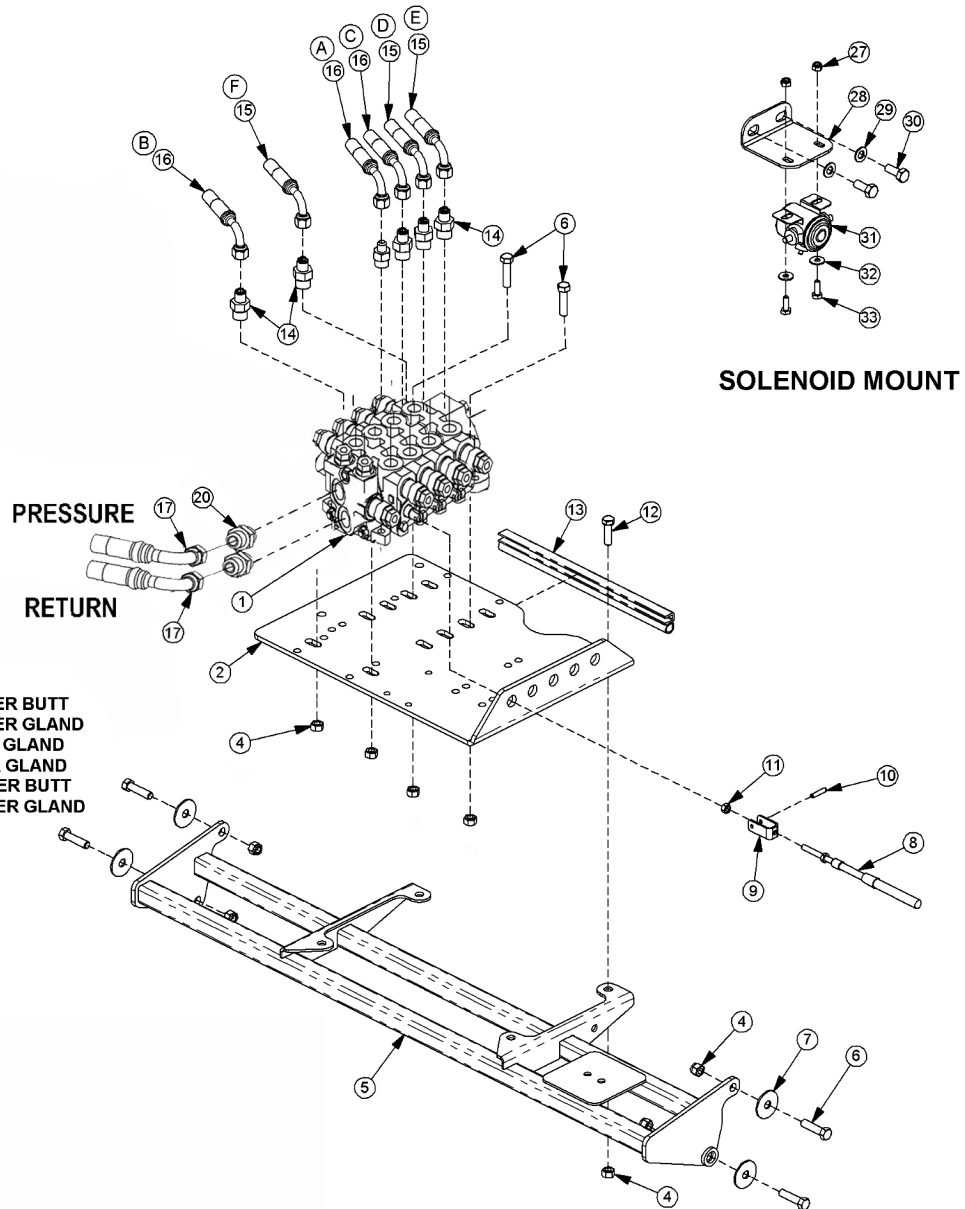


## CABLE (MANUAL) LIFT VALVE BREAKDOWN TF4210

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	TB1017S	1	INLET END COVER
2	TB1701	1	END COVER, OPEN CENTER
3	TF3009	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
4	TF3009	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
5	TF3009	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
6	TF3009	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
7	31861	1	RELIEF VALVE, 360 PSI
8	06503067	1	RELIEF PLUG
9	06503067	1	RELIEF PLUG
10	31861	1	RELIEF VALVE, 360 PSI
11	TF4213	1	RELIEF VALVE, 2000 PSI
12	06502037	1	RELIEF VALVE, 2600 PSI
13	31862	1	RELIEF VALVE, 2175 PSI
14	31862	1	RELIEF VALVE, 2175 PSI
15	31862	1	RELIEF VALVE, 2175 PSI
16	TB1017A	4	VALVE SEAL KIT (FOR ONE SECTION)
16A	-----	2	WIPER
16B	-----	2	O-RING SMALL
16C	-----	1	O-RING LARGE
16D	-----	1	SPRING
16E	-----	1	PUCKET
17	TB1017L	4	LEVER KIT (FOR ONE SECTION)
17A	-----	1	LEVER KNOB
17B	-----	1	LEVER
17C	-----	2	LEVER WASHER
17D	-----	1	LEVER CLIP
17E	-----	2	LINKAGE
17F	-----	1	LEVER PIN
17G	-----	1	ROLL PIN
17H	-----	1	LEVER BOOT
17J	-----	1	LEVER BOLT
17K	-----	1	LEVER DUST COVER
17L	-----	1	LEVER NUT
18	TB1017U	1	TIE ROD KIT
19	24214	1	O-RING, LARGE

# CABLE (MANUAL) LIFT VALVE MOUNT

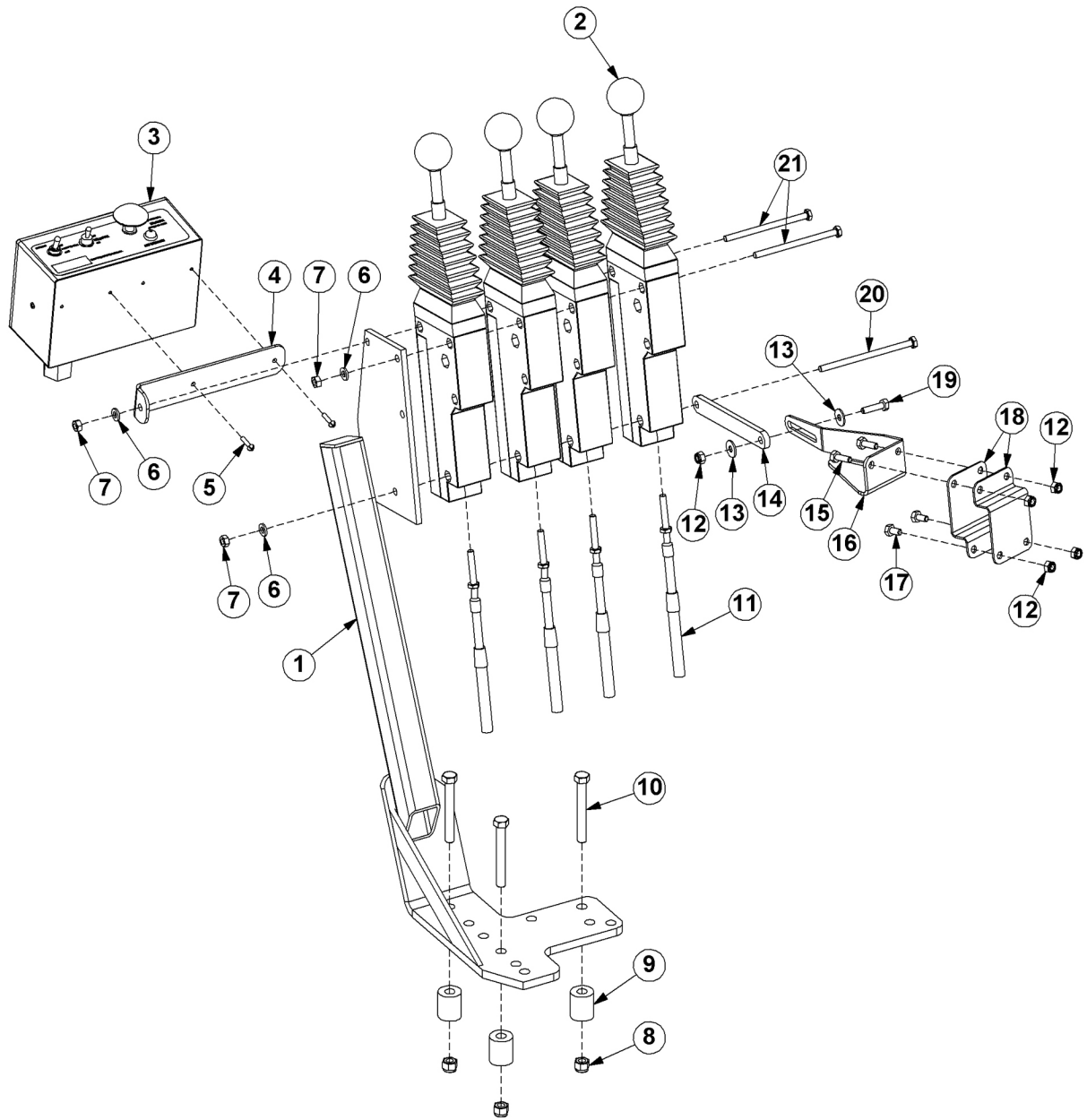


## CABLE (MANUAL) LIFT VALVE MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06502159	1	VALVE,4SP,HSC,T3F,OC
2	34622	1	PLATE,VALVE,REAR MNT
4	21627	12	NYLOCK NUT,3/8",NC
5	06340033	1	VALVE MNT
6	21632	6	CAPSCREW,3/8" X 1-1/2",NC
7	6T2615	4	WASHER,FENDER,3/8"
8	06505100	4	CABLE CONTROL,108"
9	6T4411	4	CLEVIS
10	6T3017	4	ROLLPIN,3/16" X 1"
11	21500	4	HEX NUT,1/4",NF
12	21631	2	CAPSCREW,3/8" X 1-1/4",NC
13	28053	1	TRIM LOCK
14	33271	6	ADAPTER,1/2"MOR X 3/8"MJ
15	33364	3	HOSE,1/4" X 120"
16	06500136	3	HOSE,1/4" X 140"
17	06500782	2	HOSE, 3/4" X 70"
20	06503023	2	ADAPTER, 3/4" ORB X 3/4" MJ
21	06500468	1	HOSE,1/2" X 33"
22	21633	2	CAPSCREW,3/8" X 1-3/4",NC
27	21527	2	NYLOCK NUT,1/4",NC
28	06411085	1	BRKT,MNT,SOLENOID
29	32724	2	FLATWASHER,10MM
30	27513	2	CAPSCREW,10MM X 35MM,1.5P
31	6T3927	1	CONTINUOUS DUTY SOLENOID
32	22014	2	FLATWASHER,1/4"
33	21529	2	CAPSCREW,1/4" X 3/4",NC

# 4 SPOOL CABLE CONTROL MOUNT

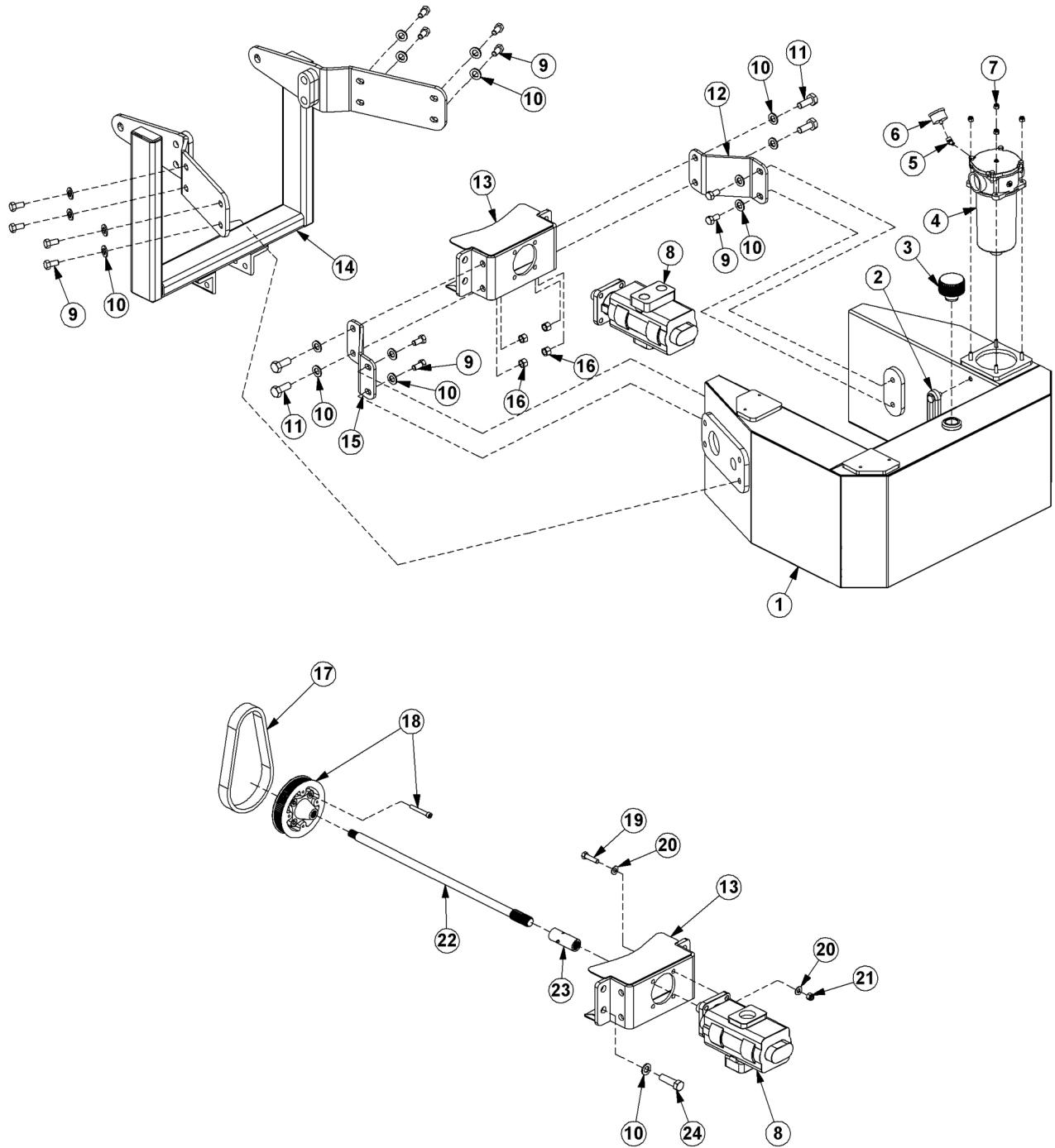


## 4 SPOOL CABLE CONTROL MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	23865B	1	BRKT,CTRL,CBL
2	6T1251	4	CBL CTRL BOX,180 DEG
3	06510097	1	SWITCH BOX, TWIN/T3F
4	34496	1	BRKT,SWITCH BOX
5	6T3951	2	SCREW,MACHINE,8-32 X 1/2"
6	21986	3	LOCKWASHER,1/4"
7	21525	3	HEX NUT,1/4",NC
8	21627	3	NYLOCK NUT,3/8",NC
9	27082B	3	SPACER
10	21636	3	CAPSCREW,3/8" X 2-1/2",NC
11	06505100	4	CBL,CNTRL,108"
12	21527	5	NYLOCK NUT,1/4",NC
13	22014	2	FLATWASHER,1/4"
14	06402045	1	SUPPORT,STAND
15	21529	2	CAPSCREW,1/4" X 3/4",NC
16	06411087	1	BRKT,STABILIZER
17	21528	2	CAPSCREW,1/4" X 1/2",NC
18	06411086	2	BRKT,MNT
19	21530	1	CAPSCREW,1/4" X 1",NC
20	21547	1	CAPSCREW,1/4" X 8",NC
21	21546	2	CAPSCREW,1/4" X 7",NC

# BUMPER TANK MOUNT



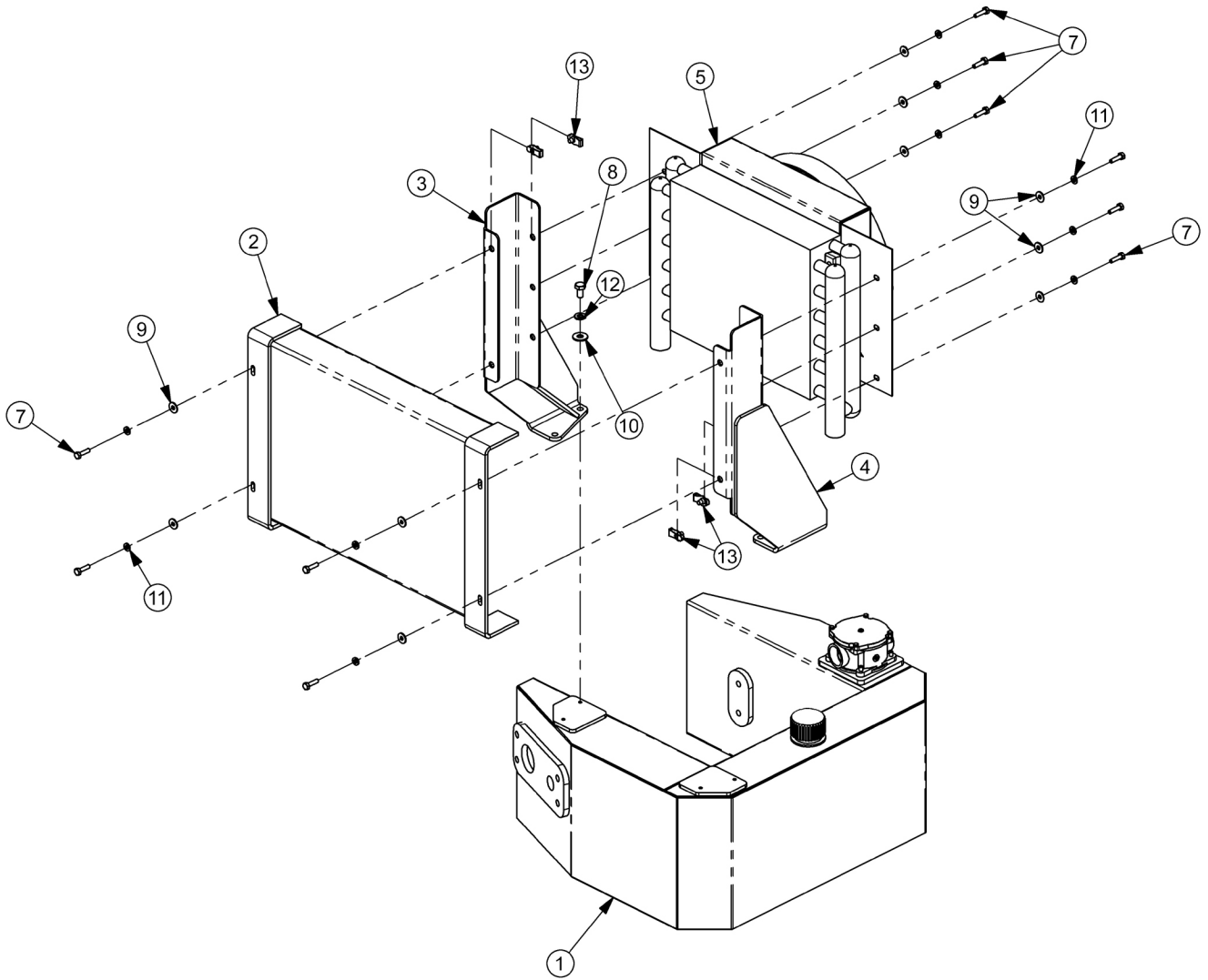


## BUMPER TANK MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	TANK,BUMPER *REFER TO TRACTOR MOUNT KIT,HYD
2	06505067	1	SIGHT GLASS
3	06505077	1	CAP,BREATHER,FILLER
4	06505044	1	FILTER,RETURN
---	35259	1	ELEMENT,FILTER
5	TF4887	1	STREET ELBOW,1/8"
6	6T0649	1	INDICATOR,FILTER
7	21627	4	NYLOCK NUT,3/8",NC
8	-----	-	PUMP,TANDEM *REFER TO TRACTOR MOUNT KIT,HYD
9	21780	12	CAPSCREW,5/8" X 1-1/4",NC
10	33880	20	FLATWASHER,3/4",SAE
11	21832	4	CAPSCREW,3/4" X 2",NC
12	06411962	1	MNT,LH,TANK
13	-----	-	MNT,PUMP *REFER TO TRACTOR MOUNT KIT,HYD
14	-----	-	HANGER FRAME *REFER TO TRACTOR MOUNT KIT
15	06411963	1	MNT,RH,TANK
16	21825	4	HEX NUT,3/4",NC
17	T208891	-	JOHN DEERE BELT (EXISTING)
18	LVB24989	1	JOHN DEERE PULLEY KIT
19	21733	4	CAPSCREW,1/2" X 2",NC
20	06533004	8	FLATWASHER,1/2",SAE
21	21727	4	NYLOCK NUT,1/2",NC
22	06420166	1	DRIVESHAFT
23	6T0375B	1	COUPLING
24	25341	4	CAPSCREW,20MM X 70MM,2.5P

# COOLER ASSEMBLY

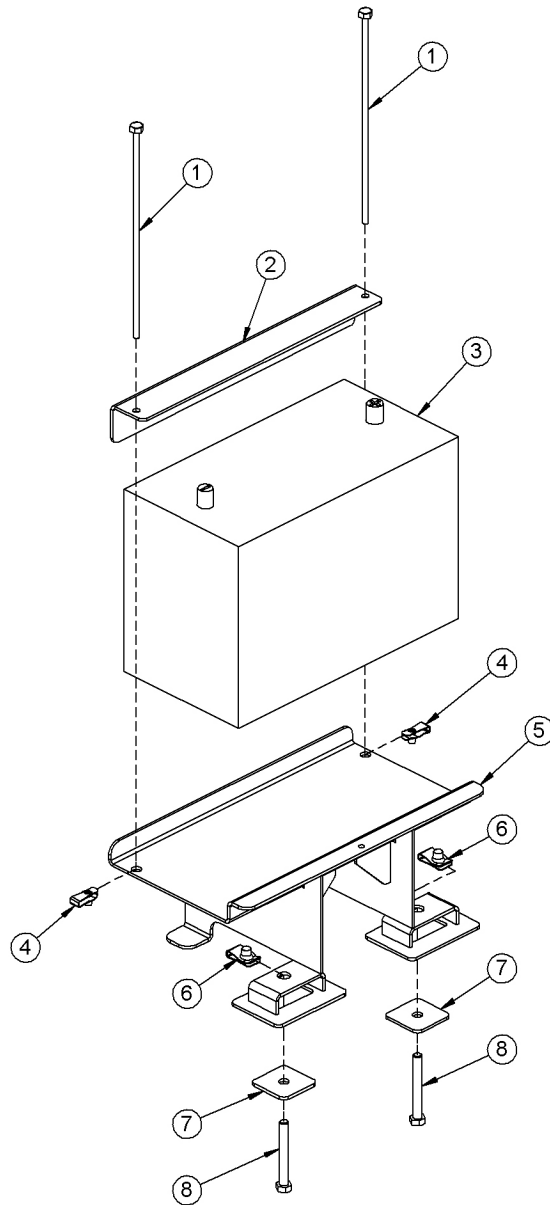


## COOLER ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	34666	1	TANK,RES,BUMPER,ASSY
2	06370015	1	SCREEN,COOLER,FRNT
3	06380007	1	MNT,COOLER,BUMPER TANK,LH
4	06380006	1	MNT,COOLER,BUMPER TANK,RH
5	06510026	1	COOLER,FRONT MNT
7	21530	10	CAPSCREW,1/4" X 1",NC
8	21629	4	CAPSCREW,3/8" X 3/4",NC
9	22014	10	FLATWASHER,1/4"
10	22016	4	FLATWASHER,3/8"
11	21986	10	LOCKWASHER,1/4"
12	21988	4	LOCKWASHER,3/8"
13	35176	10	U-NUT,1/4",NC

# BATTERY RELOCATION

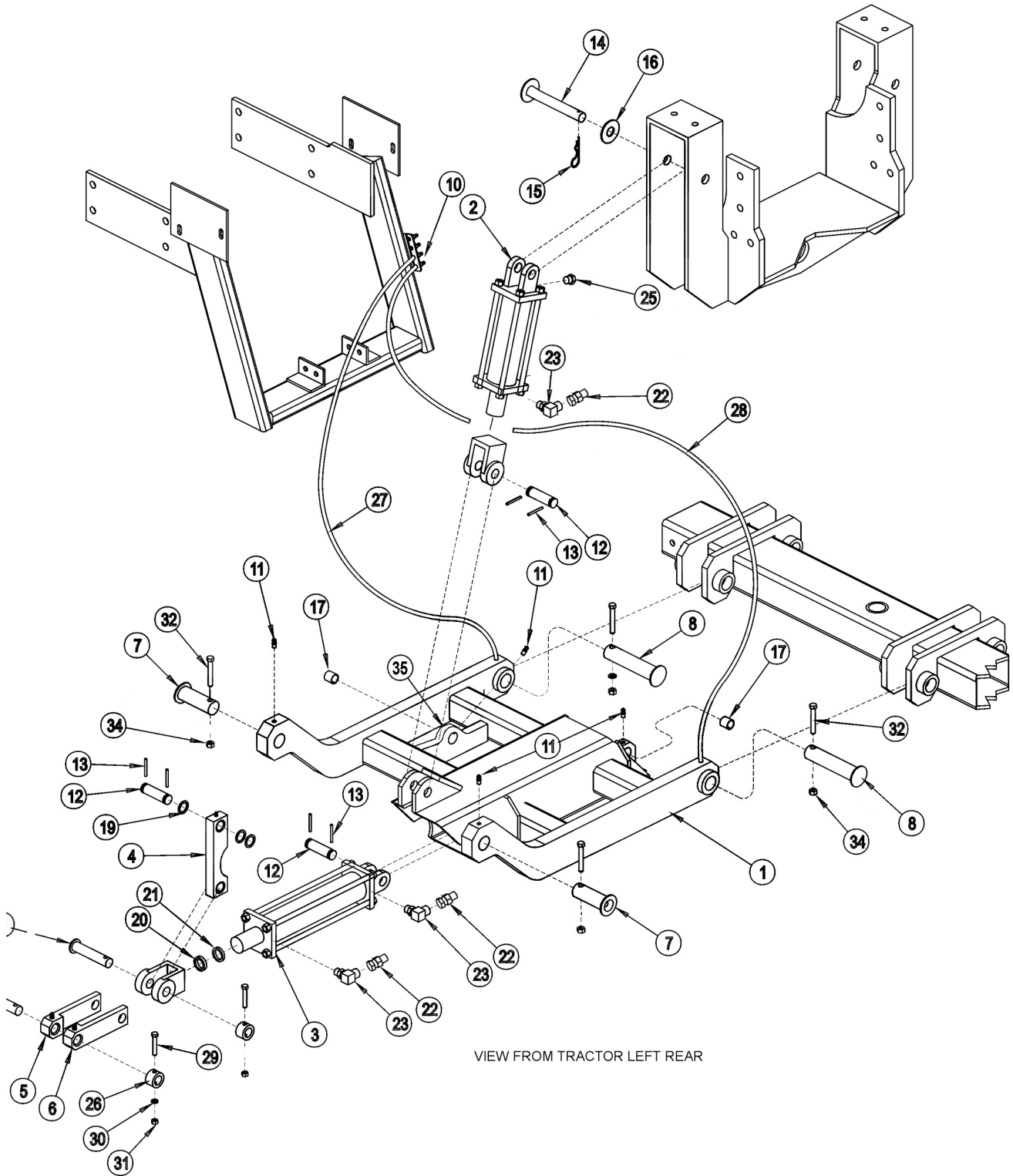


## BATTERY RELOCATION

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06530234	2	CAPSCREW,1/4" X 10",NC
2	06411429	1	ANGLE
3	-----	-	BATTERY *EXISTING PART
4	35176	2	NUT CLIP,1/4",NC
5	06370231	1	RELOCATION BRACKET
6	06537029	2	NUT CLIP,3/8",NC
7	06401784	2	SQUARE PLATE
8	21638	2	CAPSCREW,3/8" X 3",NC

# DRAFT BEAM - LEFT HAND



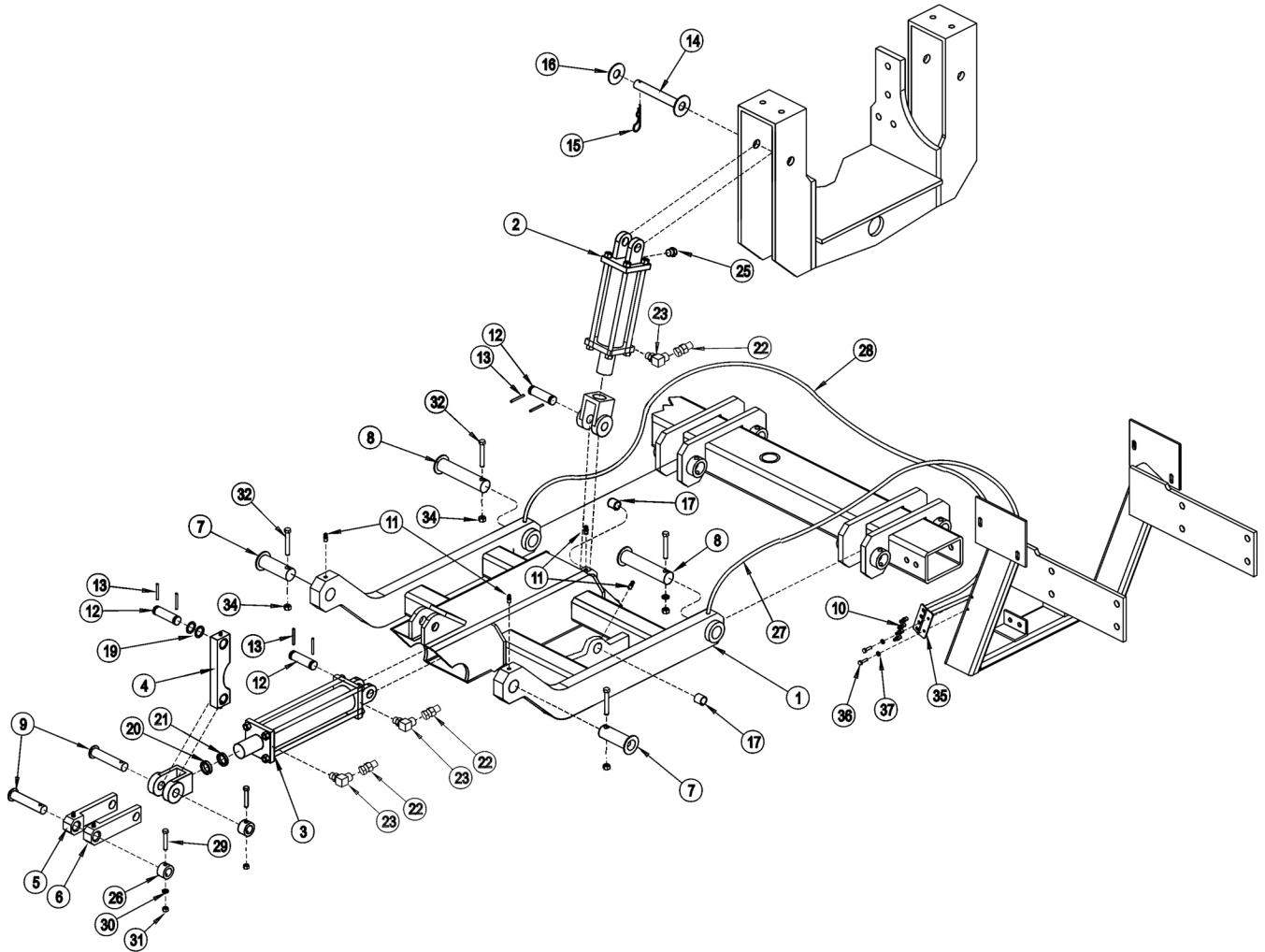
VIEW FROM TRACTOR LEFT REAR

## DRAFT BEAM - LEFT HAND

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30975B	1	LEFT HAND DRAFT BEAM
2	6T0151R	1	INBOARD CYLINDER
3	25343	1	OUTBOARD CYLINDER
4	TF4500A	1	PIVOT ARM
5	TF4506B	1	LIFT ARM,LH
6	TF4507B	1	LIFT ARM,RH
7	TF4514A	2	PIN
8	TF4515	2	PIN
9	TF4519	2	PIN
10	TF1033	2	GREASE ZERK,1/8"FPT
11	6T3207	4	GREASE ZERK,1/4"
12	TB1023	3	ROLL PIN
13	06537021	6	ROLL PIN
14	6T3005	1	CYLINDER PIN
15	6T3004	1	R-CLIP
16	22023	1	FLATWASHER
17	TB3010	2	BUSHING
19	23724	3	SHIM
20	22076	1	SPACER
21	22077	1	SPACER
22	31189	3	RESTRICTOR
23	34244	3	FITTING,1/2"MOR X 1/2"FOR
25	6T4258	1	BREATHER
26	22847A	2	BOSS
27	22658	1	HOSE,3/16" X 51"
28	22660	1	HOSE,3/16" X 70"
29	21635	2	CAPSCREW,3/8" X 2-1/4",NC
30	22016	2	FLATWASHER,3/8"
31	21627	2	NYLOCK NUT,3/8"
32	21688	4	CAPSCREW,7/16" X 3-1/4",NC
34	21677	4	NYLOCK NUT,7/16"
35	06700203	1	EAR, DRAFT BEAM, T3F

# DRAFT BEAM - RIGHT HAND





## DRAFT BEAM - RIGHT HAND

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30974B	1	RIGHT HAND DRAFT BEAM
2	6T0151R	1	INBOARD CYLINDER
3	25343	1	OUTBOARD CYLINDER
4	TF4500A	1	PIVOT ARM
5	TF4506B	1	LIFT ARM,LH
6	TF4507B	1	LIFT ARM,RH
7	TF4514A	2	PIN
8	TF4515	2	PIN
9	TF4519	2	PIN
10	TF1033	2	GREASE ZERK,1/8"FPT
11	6T3207	4	GREASE ZERK,1/4"
12	TB1033	3	CLEVIS PIN
13	06537021	6	ROLL PIN
14	6T3005	1	CYLINDER PIN
15	6T3004	1	R-CLIP
16	22023	1	FLATWASHER,1"
17	TB3010	2	BUSHING
19	22973A	2	SHIM
20	22076	1	SPACER
21	22077	1	SPACER
22	31189	3	RESTRICTOR
23	34244	3	FITTING,1/2"MOR X 1/2"FOR
25	6T4258	1	BREATHER
26	22847A	2	BOSS
27	22851	1	HOSE,3/16" X 37"
28	22660	1	HOSE,3/16" X 70"
29	21635	2	CAPSCREW,3/8" X 2-1/4",NC
30	22016	2	FLATWASHER,3/8"
31	21627	2	NYLOCK NUT,3/8"
32	21688	4	CAPSCREW,7/16" X 3-1/4",NC
34	21677	4	NYLOCK NUT,7/16"
35	22625	1	GREASE HOSE BRACKET
36	21530	2	CAPSCREW,1/4" X 1",NC
37	21986	2	LOCKWASHER,1/4"

**NOTES**

**NOTES**

**COMMON TRIPLE**

**PARTS SECTION**

**NOTES**

**NOTES**

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COMMON TRIPLE

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## PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this manual.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
2. The Purchase Order must indicate the **Name and Address** of the person or organization ordering the parts, **who should be charged**, and if possible, the **serial number of the machine** for which the parts are being ordered.
3. The purchase order must clearly list the **quantity of each part**, the complete and correct **part number**, and the basic **name of the part**.
4. The manufacturer reserves the right to substitute parts where applicable.
5. Some parts may be unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a purchase order.
6. The manufacturer reserves the right to change prices without prior notice.

NOTE: When ordering replacement decals, refer to the part numbers and descriptions listed in the safety section in the front of this manual.

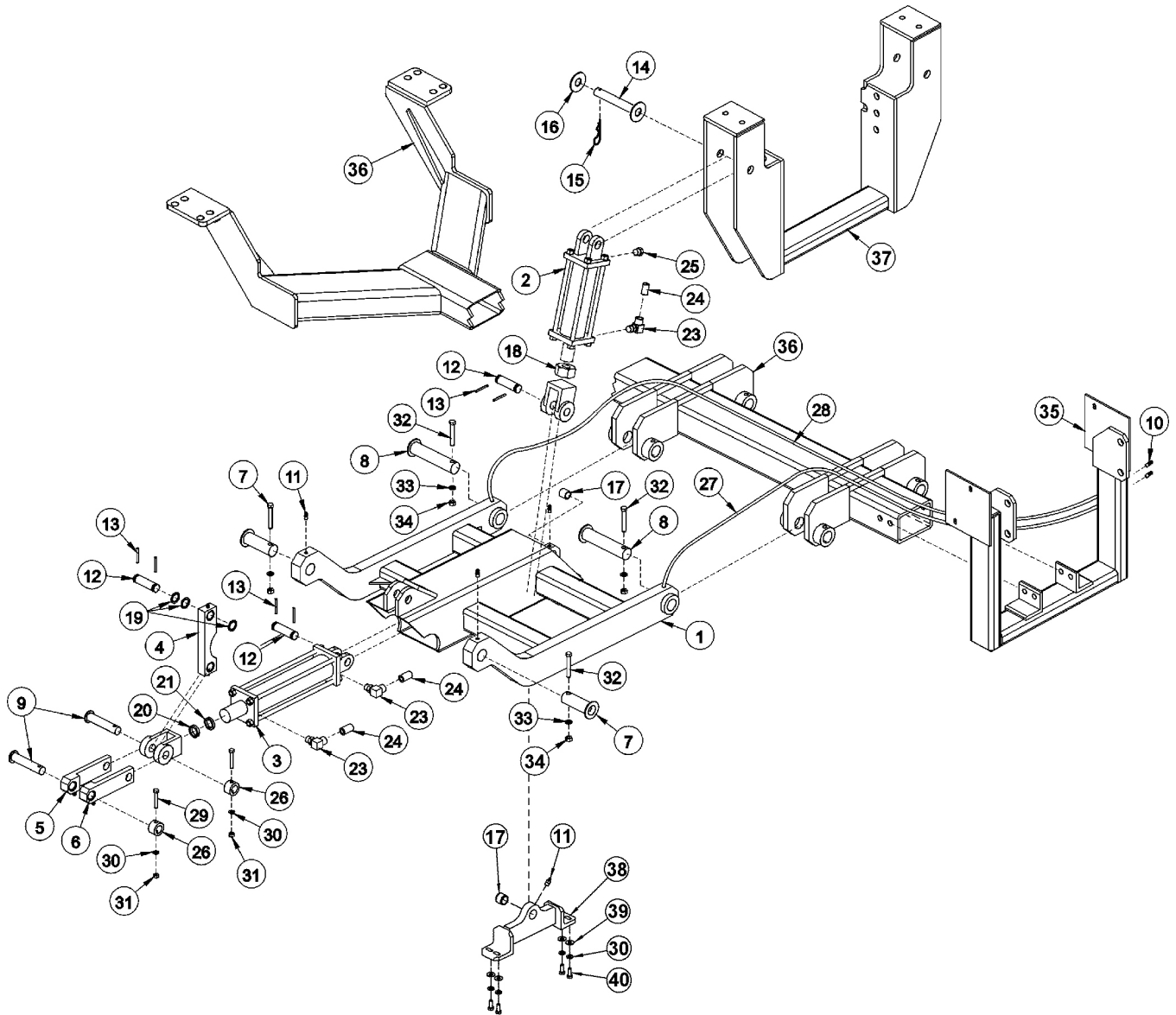


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

**Tiger Corporation**  
3301 N. Louise Ave.  
Sioux Falls, SD 57107  
1-800-843-6849  
1-605-336-7900

## DRAFT BEAM - RIGHT HAND



ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	DRAFT BEAM - REFER TO TRACTOR PARTS SECTION
2	31211	1	INBOARD CYLINDER
3	25343	1	OUTBOARD CYLINDER - XD
---	32215	1	OUTBOARD CYLINDER - SD
4	TF4500A	1	PIVOT ARM
5	TF4506B	1	LIFT ARM - LH

COMMON TRIPLE



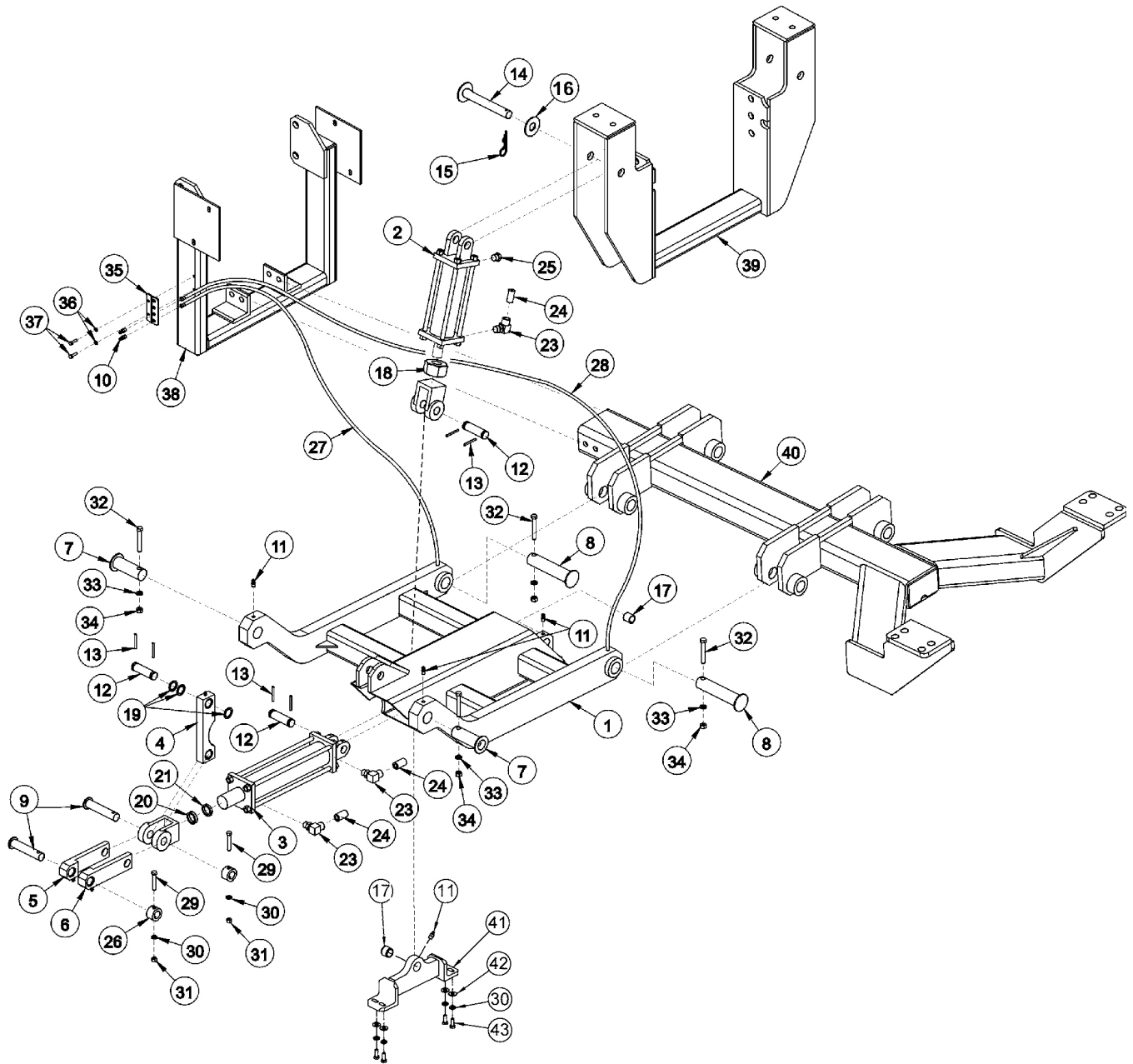
## DRAFT BEAM - RIGHT HAND

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	TF4507B	1	LIFT ARM - RH
7	TF4514A	2	PIN
8	TF4515	2	PIN,1-1/2" X 6-3/4"
9	TF4519	2	PIN
10	TF1033	2	GREASE ZERK,1/8"
11	6T3207	4	GREASE ZERK,1/4"
12	TB1033	3	CLEVIS PIN
13	06537021	6	ROLL PIN
14	6T3005	1	CYLINDER PIN
15	6T3004	1	R-CLIP
16	22023	1	FLATWASHER
17	TB3010	2	BUSHING
18	31208	1	SPACER
19	23724	3	SHIM
20	22076	1	SPACER (AS REQUIRED)
21	22077	1	SPACER (AS REQUIRED)
23	34244	3	FITTING
24	34396	3	RESTRICTOR
25	6T4258	1	BREATHER
26	22847A	2	BOSS
27	22851	1	HOSE,3/16" X 37"
28	22860	1	HOSE,3/16" X 70"
29	21635	2	CAPSCREW,3/8" X 2-1/4",NC
30	21988	6	LOCKWASHER,3/8"
31	21625	2	HEX NUT,3/8",NC
32	21688	4	CAPSCREW,7/16" X 3-1/4",NC
33	21989	4	LOCKWASHER,7/16"
34	21675	4	HEX NUT,7/16",NC
35	-----	-	HANGER - REFER TO TRACTOR PARTS SECTION
36	-----	-	FRAME - REFER TO TRACTOR PARTS SECTION
37	-----	-	MAST - REFER TO TRACTOR PARTS SECTION
38	06350000	1	CYLINDER ANCHOR
39	22016	4	FLATWASHER,3/8"
40	21630	4	CAPSCREW,3/8" X 1",NC

COMMON TRIPLE

## DRAFT BEAM - LEFT HAND



ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	DRAFT BEAM - REFER TO TRACTOR PARTS SECTION
2	31211	1	INBOARD CYLINDER
3	25343	1	OUTBOARD CYLINDER - XD
---	32215	1	OUTBOARD CYLINDER - SD
4	TF4500A	1	PIVOT ARM
5	TF4506B	1	LIFT ARM - LH

COMMON TRIPLE

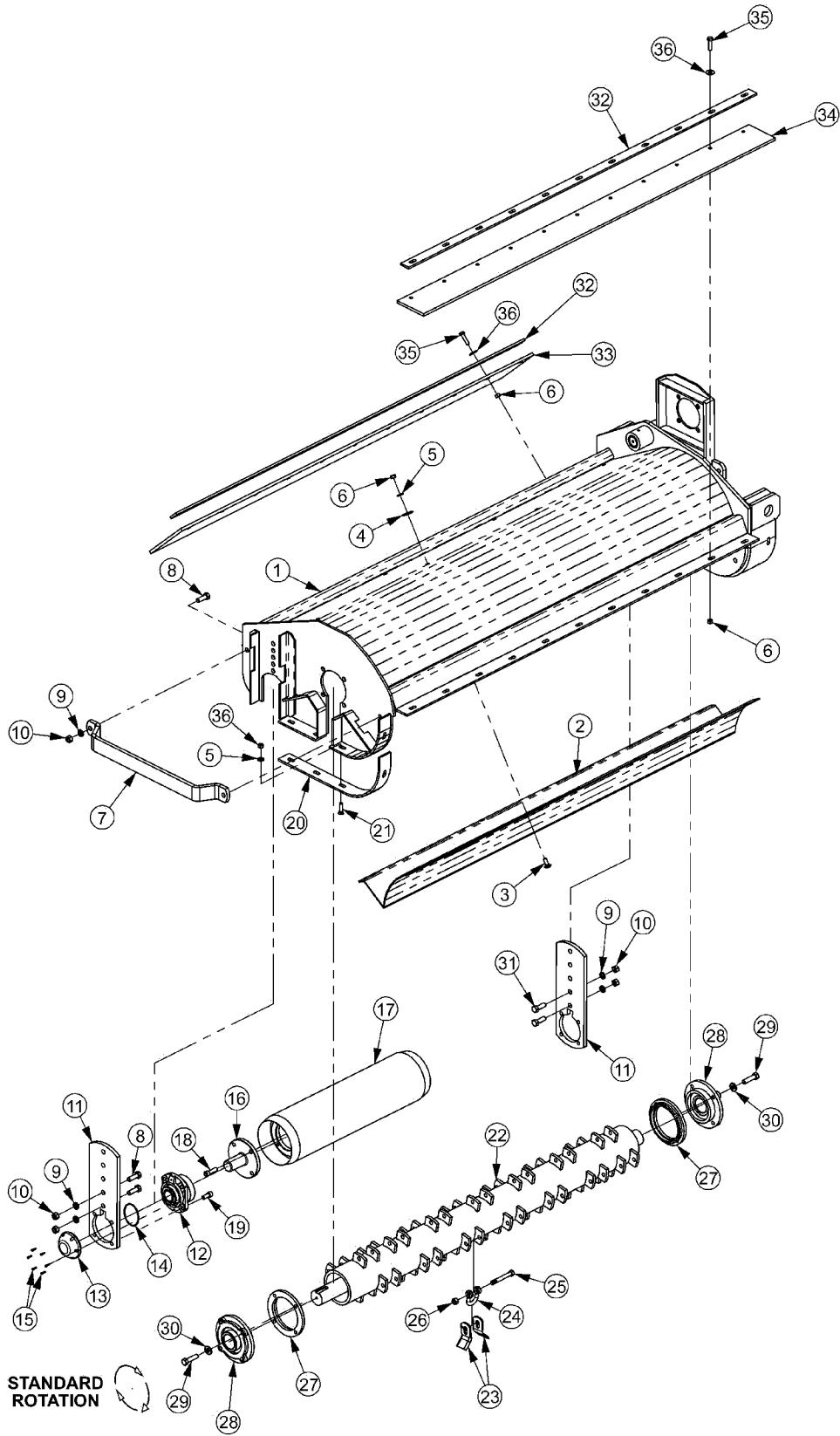
## DRAFT BEAM - LEFT HAND

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	TF4507B	1	LIFT ARM - RH
7	TF4514A	2	PIN
8	TF4515	2	PIN,1-1/2" X 6-3/4"
9	TF4519	2	PIN
10	TF1033	2	GREASE ZERK,1/8"
11	6T3207	4	GREASE ZERK,1/4"
12	TB1033	3	CLEVIS PIN
13	06537021	6	ROLL PIN
14	6T3005	1	CYLINDER PIN
15	6T3004	1	R-CLIP
16	22023	1	FLATWASHER
17	TB3010	2	BUSHING
18	31208	1	SPACER
19	23724	3	SHIM
20	22076	1	SPACER (AS REQUIRED)
21	22077	1	SPACER (AS REQUIRED)
23	34244	3	FITTING
24	34396	3	RESTRICTOR
25	6T4258	1	BREATHER
26	22847A	2	BOSS
27	22851	1	HOSE,3/16" X 37"
28	22660	1	HOSE,3/16" X 70"
29	21635	2	CAPSCREW,3/8" X 2-1/4",NC
30	21988	6	LOCKWASHER,3/8"
31	21625	2	HEX NUT,3/8",NC
32	21688	4	CAPSCREW,7/16" X 3-3/4",NC
33	21989	4	LOCKWASHER,7/16"
34	21675	4	HEX NUT,7/16",NC
35	22625	1	GREASE HOSE BRACKET
36	21986	2	LOCKWASHER,1/4"
37	21529	2	CAPSCREW,1/4" X 3/4",NC
38	-----	-	HANGER - REFER TO TRACTOR PARTS SECTION
39	-----	-	MAST - REFER TO TRACTOR PARTS SECTION
40	-----	-	FRAME - REFER TO TRACTOR PARTS SECTION
41	06350000	1	CYLINDER ANCHOR
42	22016	4	FLATWASHER,3/8"
43	21630	4	CAPSCREW,3/8" X 1",NC

COMMON TRIPLE

# SUPER DUTY 63IN SIDE FLAIL - STD ROT



COMMON TRIPLE

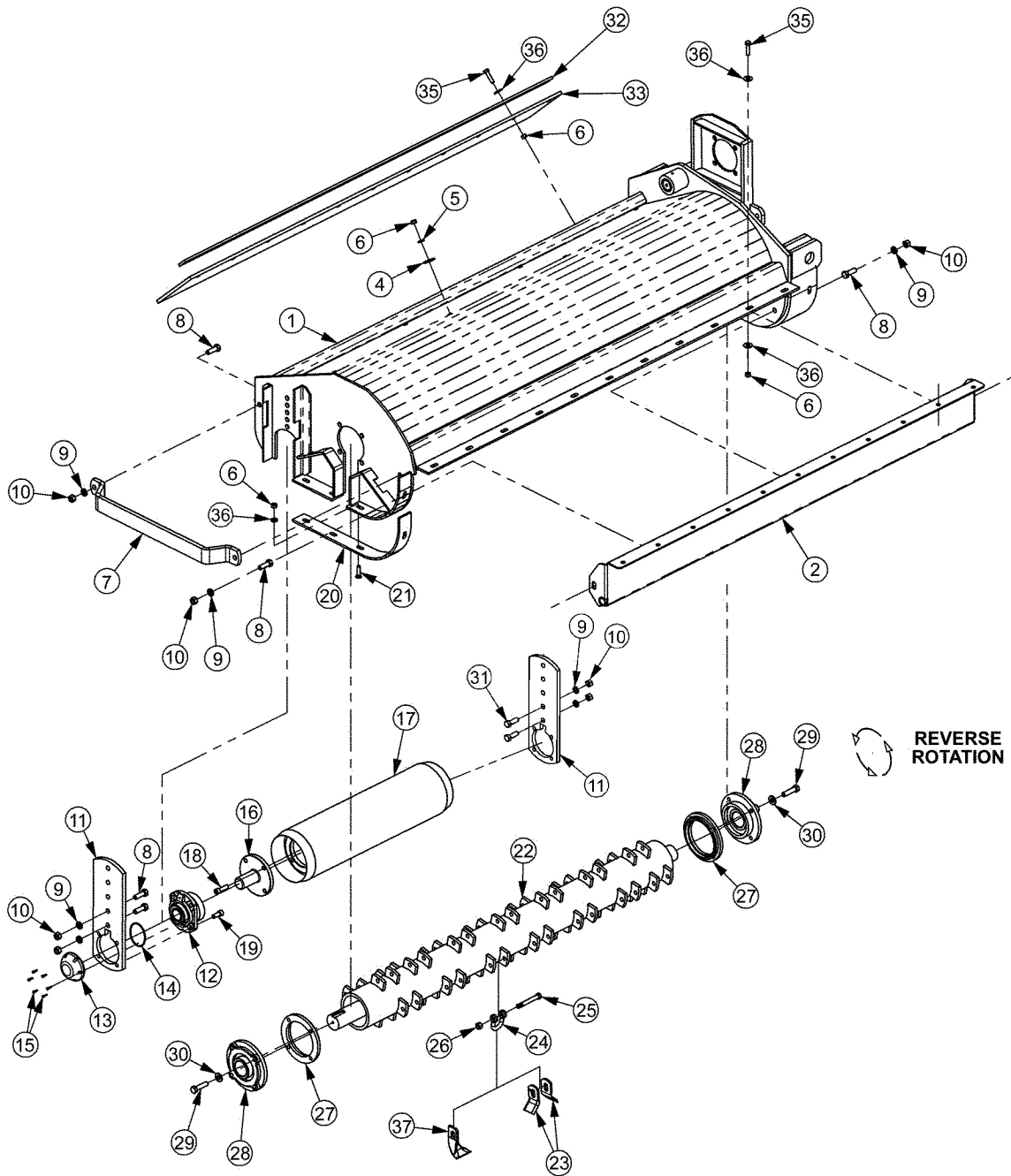
**SUPER DUTY 63IN SIDE FLAIL - STD ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	32433	1	BONNET,63",STD,T3F (RIGHT FLAIL)
---	32224	1	BONNET,63",STD,T3F (LEFT FLAIL)
2	28665A	1	BAFFLE,63",STD ROT
3	6T2283	8	CARRIAGE BOLT,3/8" X 1",NC
4	6T2615	8	WASHER,FENDER 3/8"
5	21988	8	LOCKWASHER,3/8"
6	21625	40	HEX NUT,3/8",NC
7	27975A	1	GUARD,CUTTERSHAFT
8	21731	4	CAPSCREW,1/2" X 1-1/2",NC
9	21990	6	LOCKWASHER,1/2"
10	21725	6	HEX NUT,1/2",NC
11	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
12	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLR
13	06520027	2	CAP,BEARING,GRNDRLR
14	06520029	2	O-RING,2-3/4" X 3/32",AS568A-148
15	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
16	TF1045B	2	STUB SHAFT,GROUND ROLLER
17	28650A	1	GROUND ROLLER,63"
18	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
19	6T2331	8	CAPSCREW,SKT HD,7/16" X 1",NC
20	28086A	2	SKID SHOE,STD DUTY REAR FLAIL
21	30013	10	PLOW BOLT,3/8" X 1-1/4",NC,GR5
---	28743	-	CUTTERSHAFT ASSY,STANDARD
22	28642C	1	CUTTERSHAFT,63"
23	33713	64	KNIFE,FLAIL,SHORT,FORGES GORCE
24	TF1020	32	KNIFE MTG CLEVIS,FLAIL
25	34011	32	CAPSCREW,7/16" X 3-7/16",NC,GR8
26	21677	32	NYLOCK NUT,7/16",NC
27	33863	2	STRING GUARD,STD
28	28683	2	BEARING,FLANGE,1-15/16",STD,TSF
29	06530217	8	CAPSCREW,1/2" X 2",NC,L9
30	06533006	8	FLATWASHER,1/2",SAE,L9
31	21732	2	CAPSCREW,1/2" X 1-3/4",NC
32	28700	2	BAR,FLAP,TSF/TBF,63"
33	28701	1	FLAP,DEFLECTOR,TSF,63"
34	06520241	1	FLAP,63",FRONT
35	21632	22	CAPSCREW,3/8" X 1-1/2",NC
36	22016	32	FLATWASHER,3/8"

COMMON TRIPLE

# SUPER DUTY 63IN SIDE FLAIL - REV ROT



COMMON TRIPLE

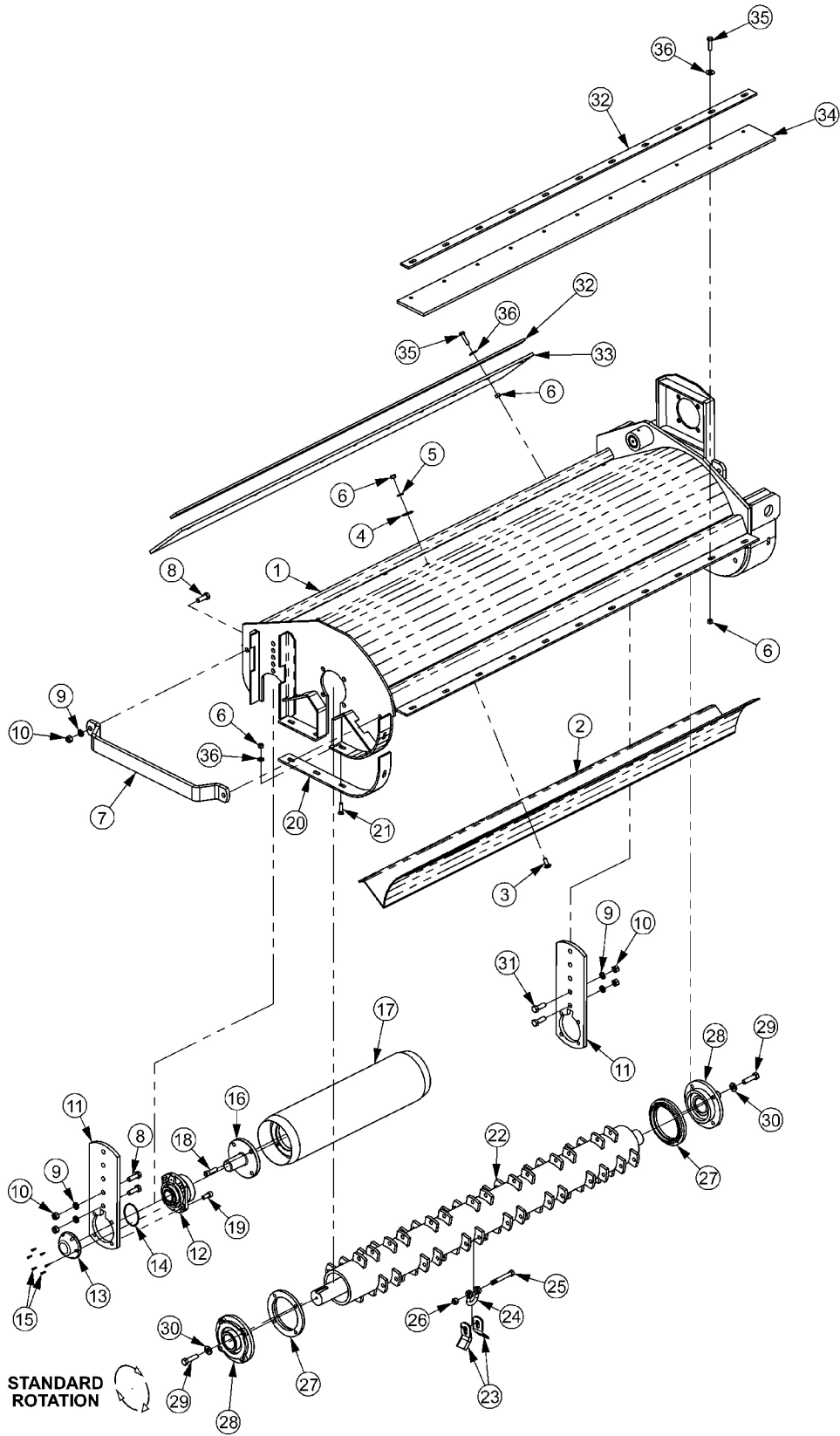
## SUPER DUTY 63IN SIDE FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	32433	1	BONNET,63",STD,T3F (RIGHT FLAIL)
---	32224	1	BONNET,63",STD,T3F (LEFT FLAIL)
2	28969A	1	TRASH GUARD,63",REV ROT
3	6T2283	8	CARRIAGE BOLT,3/8" X 1",NC
4	6T2615	8	WASHER,FENDER,3/8"
5	21988	8	LOCKWASHER,3/8"
6	21625	40	HEX NUT,3/8",NC
7	27975A	1	GUARD,CUTTERSHAFT
8	21731	6	CAPSCREW,1/2" X 1-1/2",NC
9	21990	8	LOCKWASHER,1/2"
10	21725	8	HEX NUT,1/2",NC
11	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
12	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLR
13	06520027	2	CAP,BEARING,GRNDRLR
14	06520029	2	O-RING,2-3/4" X 3/32",AS568A-148
15	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
16	TF1045B	2	STUB SHAFT,GROUND ROLLER
17	28650A	1	GROUND ROLLER,63"
18	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
19	6T2331	8	CAPSCREW,SKT HD,7/16" X 1",NC
20	28086A	2	SKID SHOE,STD DUTY REAR FLAIL
21	30013	10	PLOW BOLT,3/8" X 1-1/4",NC,GR5
---	28743	-	CUTTERSHAFT ASSY,STANDARD CUT
----	28744	-	CUTTERSHAFT ASSY,SMOOTH CUT
22	28642C	1	CUTTERSHAFT,63"
23	33713	64	FLAIL KNIVES (STANDARD CUT)
24	TF1020	32	KNIFE MTG CLEVIS,FLAIL
25	34011	32	CAPSCREW,7/16" X 3-7/16",NC,GR8
26	21677	32	NYLOCK NUT,7/16",NC
27	33863	2	STRING GUARD,STD
28	28683	2	BEARING,FLANGE,1-15/16",STD,TSF
29	06530217	8	CAPSCREW,1/2" X 2",NC,L9
30	06533006	8	FLATWASHER,1/2",SAE,L9
31	21732	2	CAPSCREW,1/2" X 1-3/4",NC
32	28700	1	BAR,FLAP,TSF/TBF,63"
33	28701	1	FLAP,DEFLECTOR,TSF,63"
35	21632	22	CAPSCREW,3/8" X 1-1/2",NC
36	22016	43	FLATWASHER,3/8"
37	28184A	32	FLAIL KNIVES (SMOOTH CUT)

COMMON TRIPLE

# SUPER DUTY 75IN SIDE FLAIL - STD ROT



COMMON TRIPLE



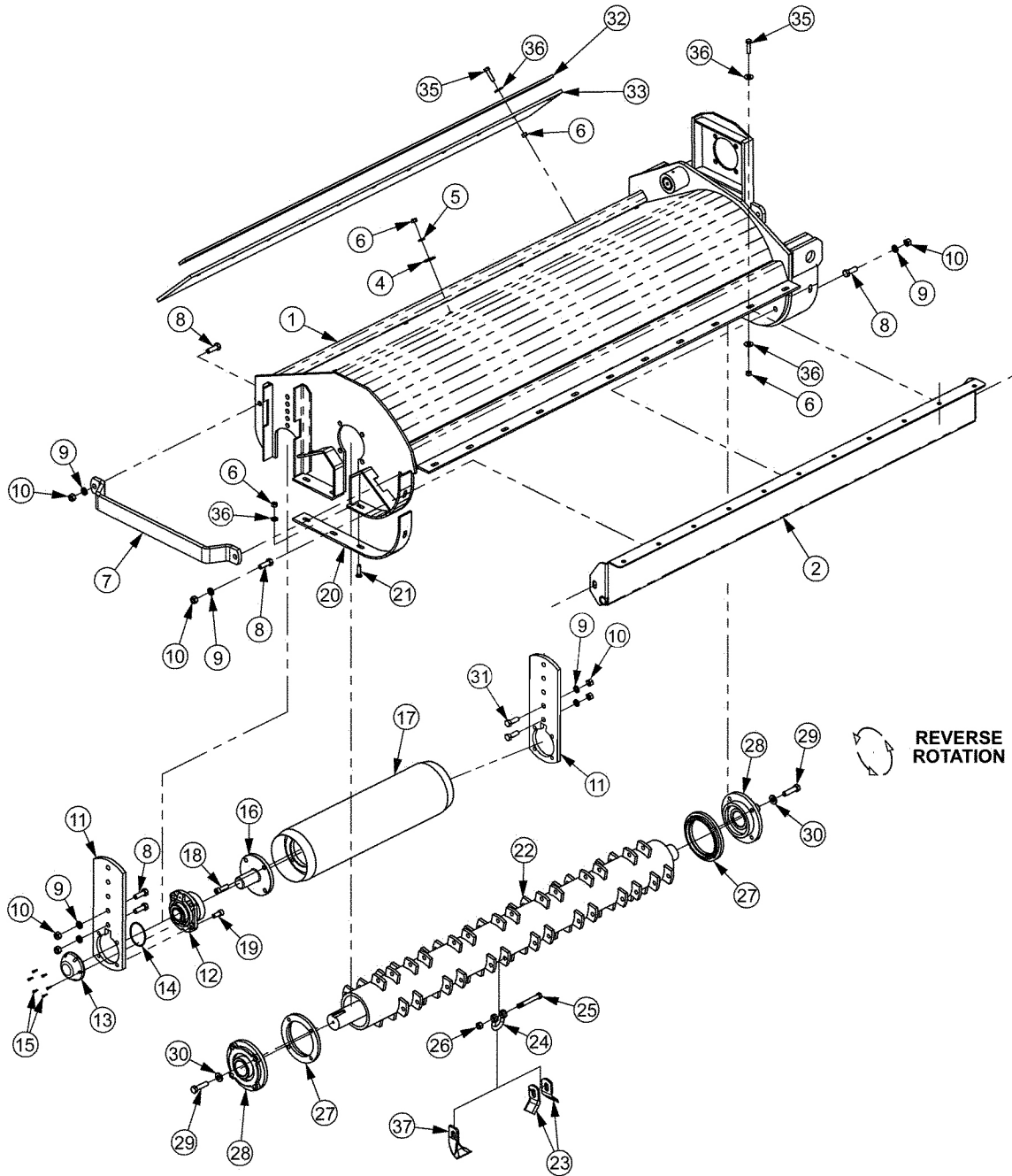
## SUPER DUTY 75IN SIDE FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06320109	1	BONNET,75",STD,T3F (RIGHT FLAIL)
---	06320108	1	BONNET,75",STD,T3F (LEFT FLAIL)
2	28737	1	BAFFLE,75",STD ROT-STD
3	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
4	6T2615	10	WASHER,FENDER,3/8"
5	21988	10	LOCKWASHER,3/8"
6	21625	46	HEX NUT,3/8",NC
7	27975A	1	GUARD,CUTTERSHAFT
8	21731	4	CAPSCREW,1/2" X 1-1/2",NC
9	21990	6	LOCKWASHER,1/2"
10	21725	6	HEX NUT,1/2",NC
11	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
12	06520028	2	BEARING,FLANGE,1-3/8,GRNDRLR
13	06520027	2	CAP,BEARING,GRNDRLR
14	06520029	2	O-RING,2-3/4 X 3/32",AS568A-148
15	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
16	TF1045B	2	STUB SHAFT,GROUND ROLLER
17	28738	1	GROUND ROLLER,75"
18	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
19	6T2331	8	CAPSCREW,SKT HD,7/16" X 1",NC
20	28086A	2	SKID SHOE,STD DUTY REAR FLAIL
21	30013	10	PLOW BOLT,3/8" X 1-1/4",NC,GR5
---	28747	-	CUTTERSHAFT ASSY,STANDARD
22	28643B	1	CUTTERSHAFT,75"
23	33713	80	KNIFE,FLAIL,SHORT,FORGES GORCE
24	TF1020	40	KNIFE MTG CLEVIS,FLAIL
25	34011	40	CAPSCREW,7/16" X 3-7/16",NC,GR8
26	21677	40	NYLOCK NUT,7/16",NC
---	06200639	-	STRING GUARD KIT,SD (ITEMS 27,29,30)
27	33863	2	STRING GUARD,STD
28	28683	2	BEARING,FLANGE,1-15/16",STD,TSF
29	06530217	8	CAPSCREW,1/2" X 2",NC,L9
30	06533006	8	FLATWASHER,1/2",SAE,L9
31	21732	2	CAPSCREW,1/2" X 1-3/4",NC
32	TF1029	2	BAR,FLAP,TSF/TBF,75"
33	TF1016	1	FLAP,DEFLECTOR,TSF,75"
34	06520242	1	FLAP,75",FRONT
35	21632	26	CAPSCREW,3/8" X 1-1/2",NC
36	22016	36	FLATWASHER,3/8"

COMMON TRIPLE

# SUPER DUTY 75IN SIDE FLAIL - REV ROT



COMMON TRIPLE

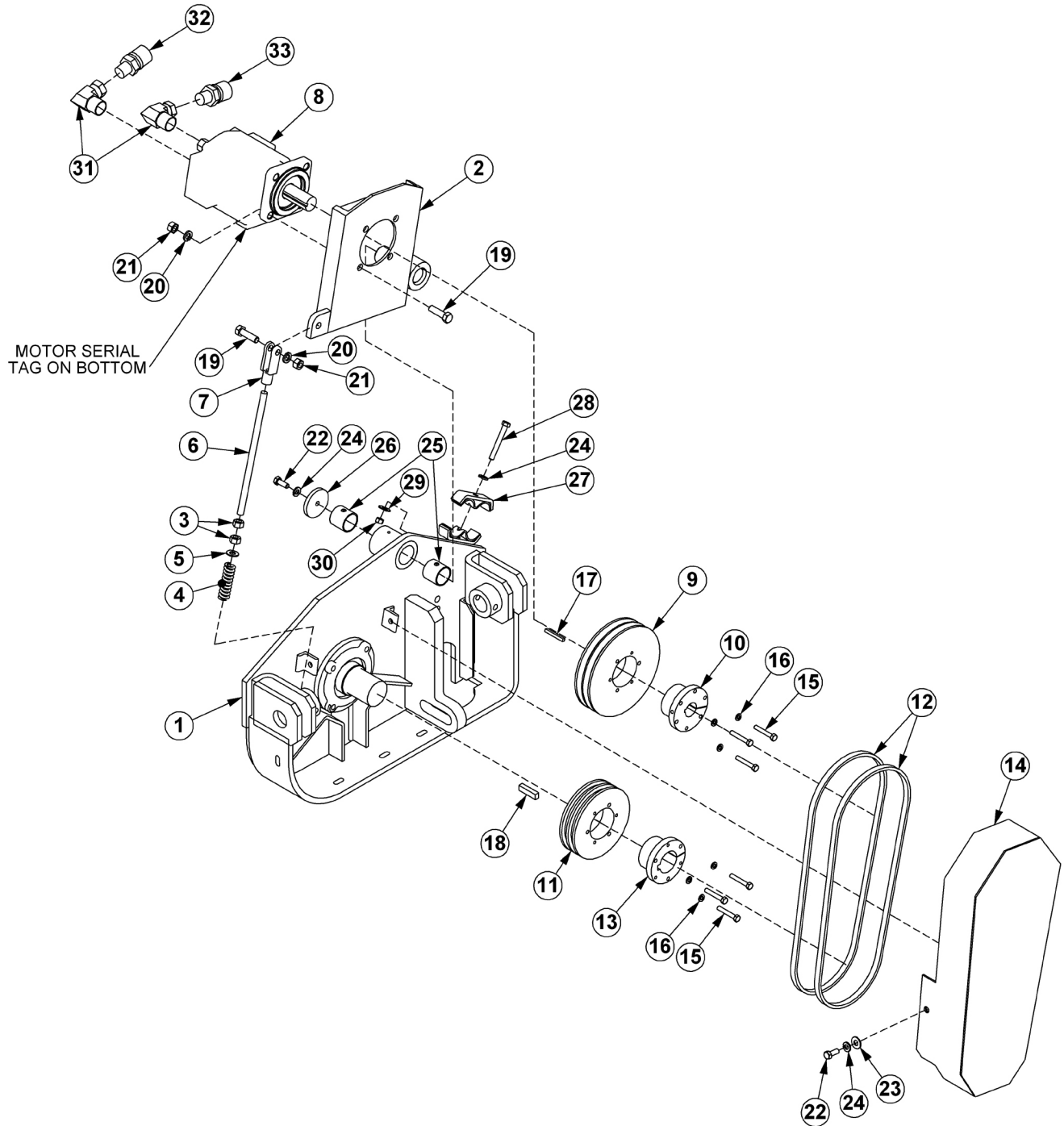
## SUPER DUTY 75IN SIDE FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06320109	1	BONNET,75,STD,T3F (RIGHT FLAIL)
---	06320108	1	BONNET,75,STD,T3F (LEFT FLAIL)
2	28968A	1	TRASH GUARD,75"
3	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
4	6T2615	10	WASHER,FENDER,3/8"
5	21988	10	LOCKWASHER,3/8"
6	21625	36	HEX NUT,3/8",NC
7	27975A	1	GUARD,CUTTERSHAFT
8	21731	6	CAPSCREW,1/2" X 1-1/2",NC
9	21990	8	LOCKWASHER,1/2"
10	21725	8	HEX NUT,1/2",NC
11	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
12	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLR
13	06520027	2	CAP,BEARING,GRNDRLR
14	06520029	2	O-RING,2-3/4" X 3/32",AS568A-148
15	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
16	TF1045B	2	STUB SHAFT,GROUND ROLLER
17	28738	1	GROUND ROLLER,75"
18	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
19	6T2331	8	CAPSCREW,SKT HD,7/16" X 1",NC
20	28086A	2	SKID SHOE,STD DUTY REAR FLAIL
21	30013	10	PLOW BOLT,3/8" X 1-1/4",NC,GR5
---	28747	-	CUTTERSHAFT ASSY,STANDARD (22, 23, 24, 25 & 26)
----	28748	-	CUTTERSHAFT ASSY,SMOOTH (22, 23, 24, 25 & 37)
22	28643B	1	CUTTERSHAFT,75"
23	33713	80	FLAIL KNIVES (STANDARD CUT)
24	TF1020	40	KNIFE MTG CLEVIS,FLAIL
25	34011	40	CAPSCREW,7/16" X 3-7/16",NC,GR8
26	21677	40	NYLOCK NUT,7/16",NC
---	06200639	-	STRING GUARD KIT, SD (ITEMS 27,29,30)
27	33863	2	STRING GUARD,STD
28	28683	2	BEARING,FLANGE,1-15/16",STD,TSF
29	06530217	8	CAPSCREW,1/2" X 2",NC,L9
30	06533006	8	FLATWASHER,1/2",SAE,L9
31	21732	2	CAPSCREW,1/2" X 1-3/4",NC
32	TF1029	1	BAR,FLAP,TSF/TBF,75"
33	TF1016	1	FLAP,DEFLECTOR,TSF,75"
35	21632	22	CAPSCREW,3/8" X 1-1/2",NC
36	22016	46	FLATWASHER,3/8"
37	28184A	40	FLAIL KNIVES (SMOOTH CUT)

COMMON TRIPLE

# SUPER DUTY SIDE FLAIL DRIVE ASSY



COMMON TRIPLE

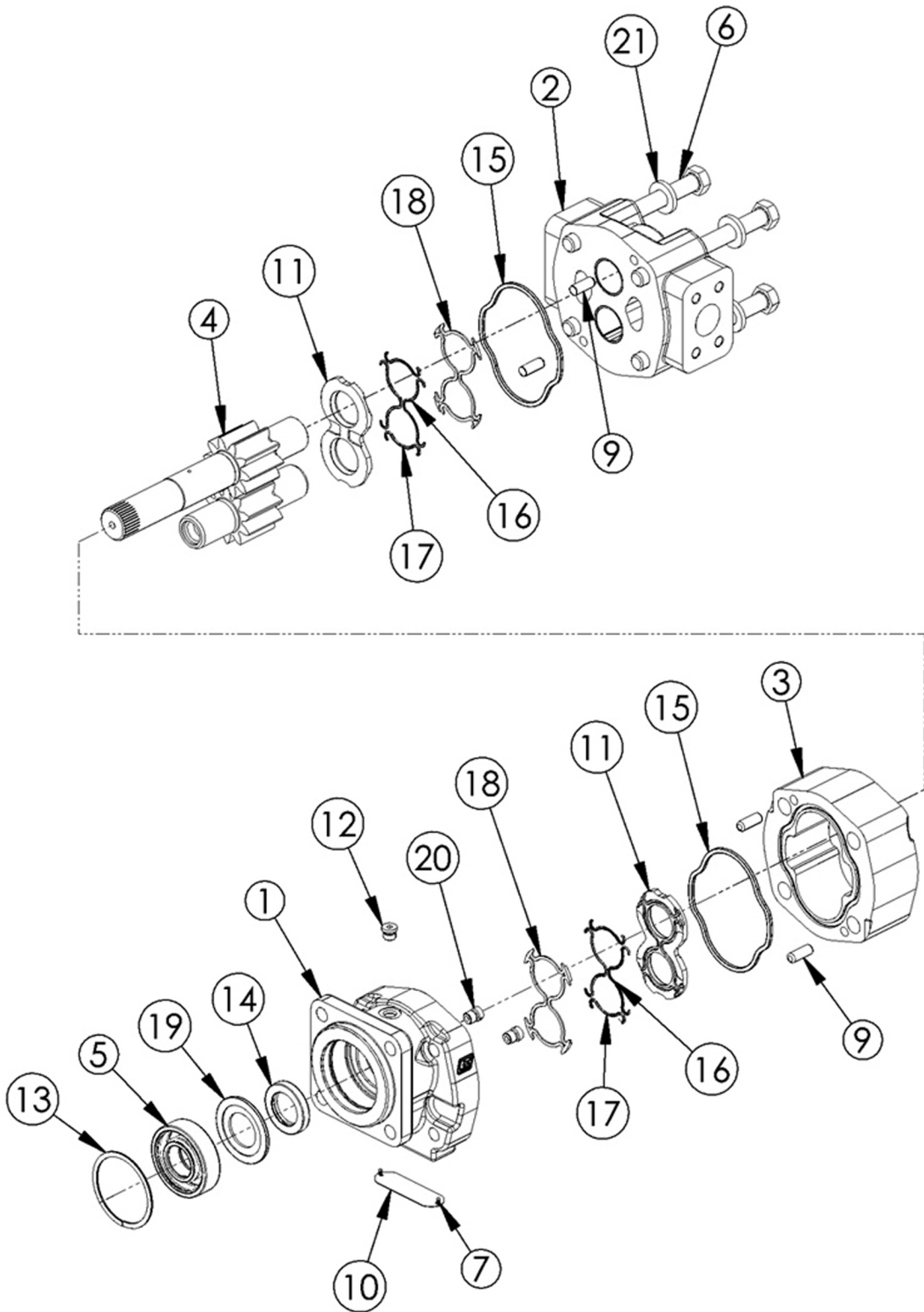
## SUPER DUTY SIDE FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BONNET *REFER TO HEAD PARTS
2	32287	1	MOTOR CHANNEL (RIGHT FLAIL)
---	32286	1	MOTOR CHANNEL (LEFT FLAIL)
3	21700	2	HEX NUT, 1/2", NF
4	TF3620A	1	SPRING,TENSIONER
5	27938	1	BUSHING,MACH,1ODX1/2IDX14GA.
6	40496	1	ROD,THREADED,1/2NFX8
7	PT3611A	1	CLEVIS,6"
8	06504065	1	MOTOR, M350-1 GEAR
9	TF3041	1	SHEAVE,6.7
10	TF3013	1	BUSHING,QD,SK 1-1/4,1/4 KEY
11	TF3040	1	SHEAVE,6.3
12	32252	2	V-BELT,(470)
13	28723	1	BUSHING,QD,SK 1-15/16
14	32569	1	GUARD,BELT
15	21584	6	CAPSCREW, 5/16 X 2,NC
16	21987	6	LOCKWASHER, 5/16"
17	06504028	1	KEY (KEY FROM MOTOR)
18	26142A	1	KEY,1/2 X 1/2 X 2
19	21732	5	CAPSCREW, 1/2 X 1 3/4,NC
20	21990	5	LOCKWASHER, 1/2"
21	21725	5	HEX NUT,1/2 NC
22	21630	3	CAPSCREW, 3/8 X 1,NC
23	22016	2	FLATWASHER,3/8"
24	21988	4	LOCKWASHER, 3/8"
25	27580	2	BEARING,DX,1-1/2",GRM
26	28682	1	RETAINING,WASHER 2-1/2 X 5/16
27	TB3031	1	CLAMP,TUBE
28	21638	1	CAPSCREW,3/8" X 3",NC
29	22016	1	FLATWASHER,3/8",GR8
30	21625	1	HEX NUT,3/8",NC
31	34117	2	ELBOW,1MOR X 1MJIC
32	-----	-	HOSE (RETURN FOR STANDARD ROTATION)
33	-----	-	HOSE (PRESSURE OF STANDARD ROTATION)

COMMON TRIPLE

# SUPER DUTY SIDE FLAIL MOTOR BREAKDOWN



COMMON TRIPLE

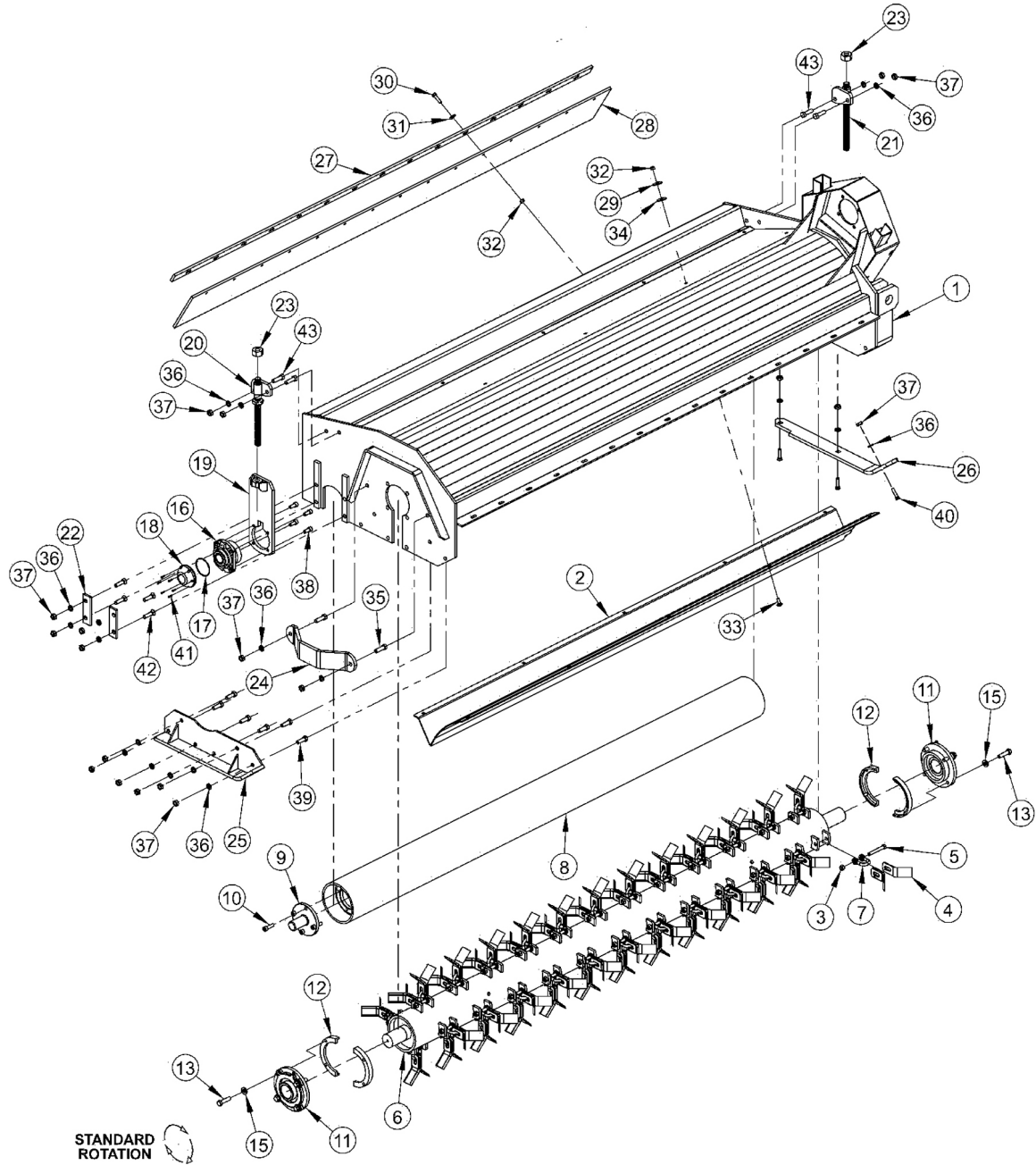
## SUPER DUTY SIDE FLAIL MOTOR BREAKDOWN

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06504065	-	MOTOR ASSEMBLY 350 - TSF
1	06504039	1	SHAFT END COVER
2	06504060	1	PORT END COVER
3	06504055	1	GEAR HOUSING
4	06504056	1	MATCHED GEAR SET
5	TF4402	1	BALL BEARING
6	06504057	4	CAP SCREW
7	06504044	2	SET SCREW
9	06504045	4	DOWEL PIN
10	-----	1	NAMEPLATE
11	763759	2	THRUSTPLATE
12	02961940	1	HEX PLUG
13	TF4401	1	SNAP RING
14	06504049	1	LIP SEAL (INCLUDED IN SEAL KIT)
15	TF4410	2	GASKET SEAL (INCLUDED IN SEAL KIT)
16	06504046	4	SIDE SEAL (INCLUDED IN SEAL KIT)
17	06504047	4	END SEAL (INCLUDED IN SEAL KIT)
18	TF4407	2	BACK-UP SEAL (INCLUDED IN SEAL KIT)
19	029661932	1	SEAL RETAINER
20	6T5809	2	CHECK ASSEMBLY
21	02961917	4	WASHER
---	06504023	-	SEAL KIT (INCLUDES 14, 15, 16, 17, AND 18)

COMMON TRIPLE

# EXTREME DUTY 60IN SIDE FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	33913	1	BONNET,60,HD,T3F (RIGHT FLAIL)
---	06320015	1	BONNET,60,HD,T3F (LEFT FLAIL)
2	TF1802A	1	BAFFLE,FLAIL,60HD,STD ROT
---	TF1807A	-	CUTSHFT ASSY,60HD,STD KNIVES (ITEMS 3, 4, 5, 6 & 7)
3	21677	32	NYLOCK NUT,7/16 NC
4	33714	64	KNIFE,FLAIL,STANDARD

COMMON TRIPLE



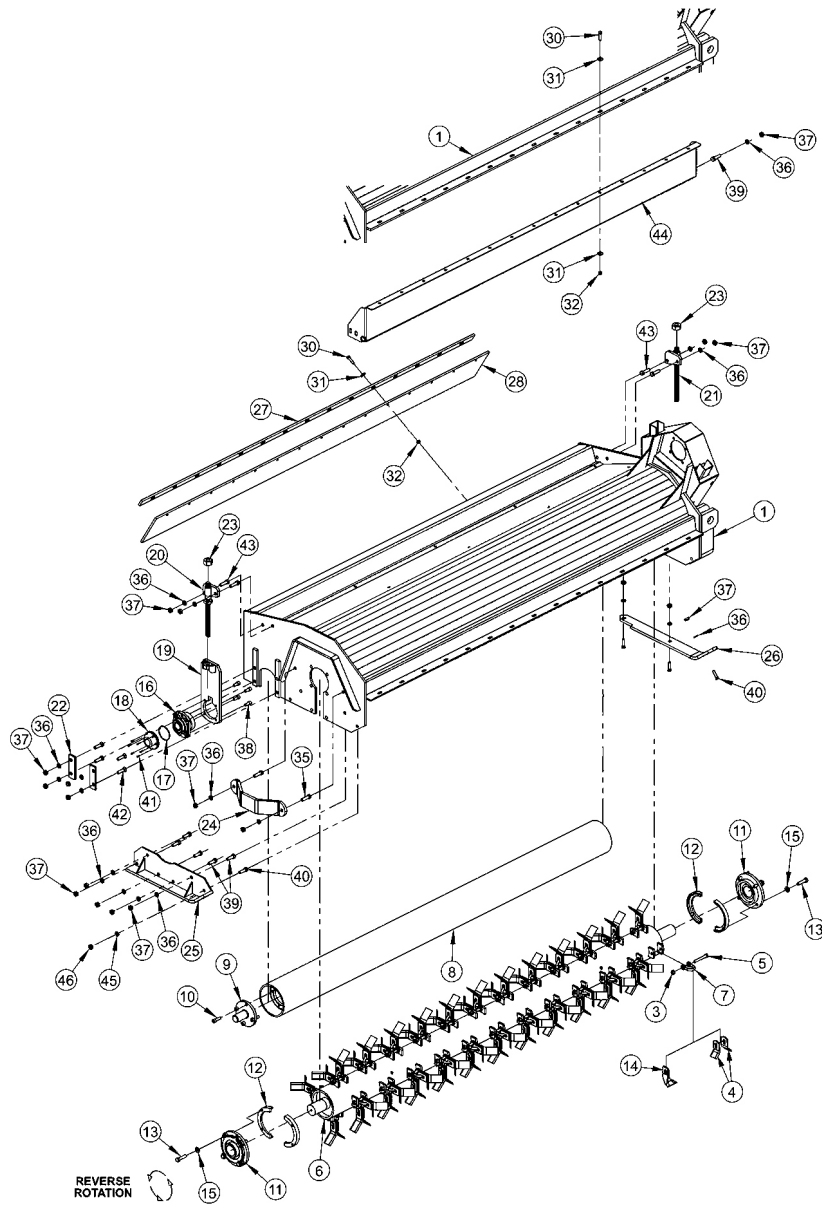
## EXTREME DUTY 60IN SIDE FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
5	34011	32	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1807	1	CUTTERSHAFT,60,HD
7	TF1020	32	KNIFE MTG CLEVIS,FLAIL
8	30277	1	GROUND ROLLER,60
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
15	06533006	8	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE,OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE,OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE,INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE,INNER (LEFT FLAIL)
27	TF1803	1	BAR,FLAP,TSF/TRF 60
28	TF1804	1	FLAP,DEFLECTOR,TSF/TRF 60
29	21988	10	LOCKWASHER,3/8
30	21632	10	CAPSCREW,3/8 X 1-1/2 NC
31	22016	10	FLATWASHER,3/8
32	21625	18	HEX NUT,3/8 NC
33	6T2283	8	CARRIAGE BOLT,3/8 X 1 NC
34	6T2615	8	WASHER,FENDER 3/8
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
38	6T2331	8	CAPSCREW,SKT HD,7/16 X 1 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC

COMMON TRIPLE

# EXTREME DUTY 60IN SIDE FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	33913	1	BONNET,60,HD,T3F (RIGHT FLAIL)
---	06320015	1	BONNET,60,HD,T3F (LEFT FLAIL)
2	TF1807A	-	CUTSHFT ASSY,60HD (STANDARD CUT) (ITEMS 3, 4, 5, 6 & 7)
---	TF1807B	-	CUTSHFT ASSY,60HD (SMOOTH CUT) (ITEMS 3, 5, 6, 7 & 14)
3	21677	32	NYLOCK NUT,7/16 NC
4	33714	64	KNIFE,FLAIL (STANDARD CUT)
5	34011	32	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1807	1	CUTTERSHAFT,60,HD
7	TF1020	32	KNIFE MTG CLEVIS,FLAIL
8	30277	1	GROUND ROLLER,60

COMMON TRIPLE

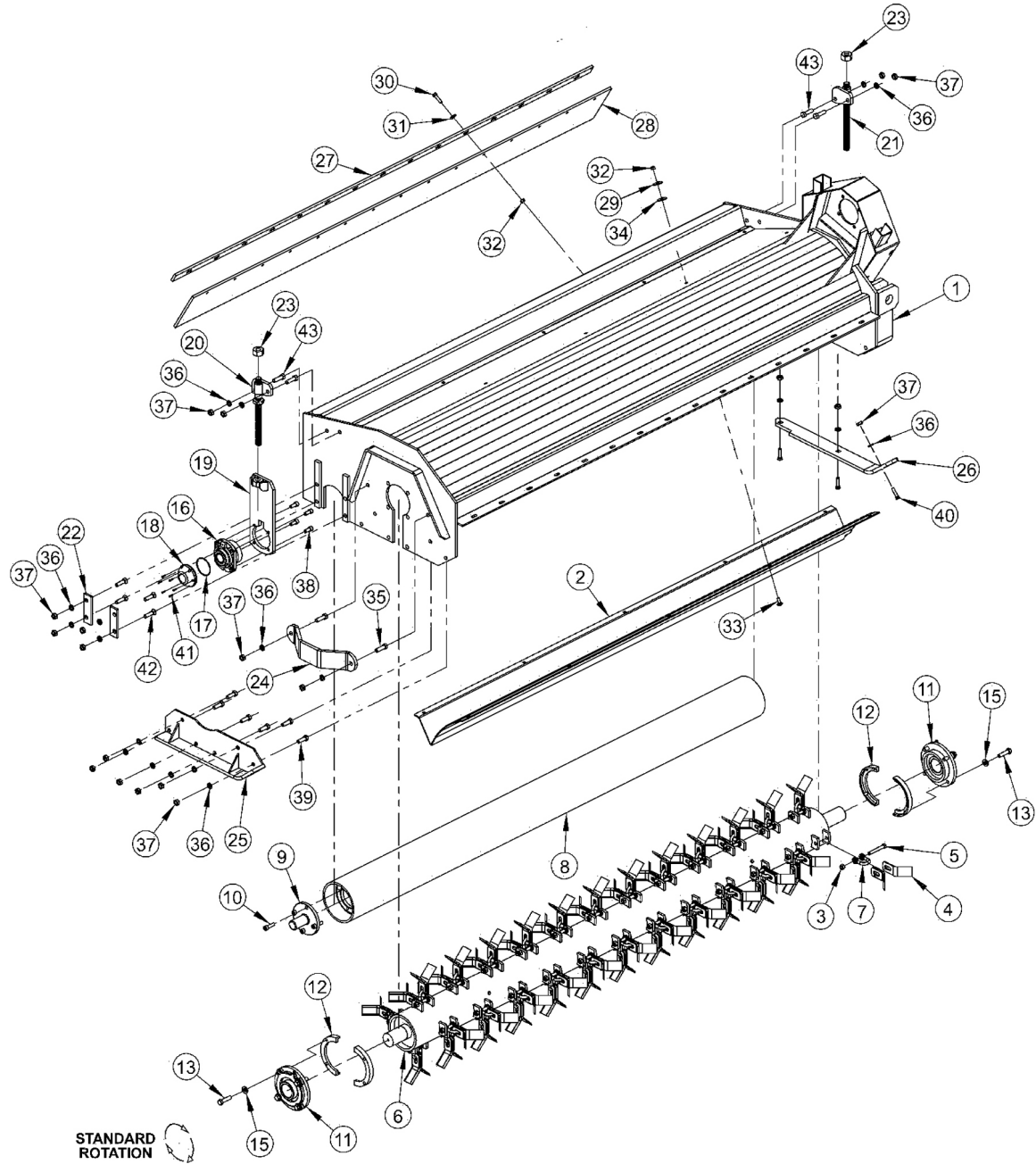
## EXTREME DUTY 60IN SIDE FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
14	TF1019F	32	KNIFE,FLAIL (SMOOTH CUT)
15	06533006	12	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE, OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE, OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE, INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE, INNER (LEFT FLAIL)
27	TF1803	1	BAR,FLAP,TSF/TRF 60
28	TF1804	1	FLAP,DEFLECTOR,TSF/TRF 60
30	21632	20	CAPSCREW,3/8 X 1-1/2 NC
31	22016	30	FLATWASHER,3/8
32	21625	20	HEX NUT,3/8 NC
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
38	6T2331	8	CAPSCREW,SKT HD,7/16 X 1 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC
44	TF1801	1	TRASH GUARD,60REV ROT-HD
45	22018	1	FLATWASHER,1/2,WIDE
46	21727	1	NYLOCK NUT,1/2 NC

COMMON TRIPLE

# EXTREME DUTY 75IN SIDE FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	21499A	1	BONNET,75,HD,T3F (RIGHT FLAIL)
---	21478A	1	BONNET,75,HD,T3F (LEFT FLAIL)
2	TF1402A	1	BAFFLE,FLAIL,75HD,STD ROT
---	TF1002A	-	CUTSHFT ASSY,75HD,STD KNIVES (ITEMS 3, 4, 5, 6 & 7)
3	21677	40	NYLOCK NUT,7/16 NC
4	33714	80	KNIFE,FLAIL,STANDARD

COMMON TRIPLE

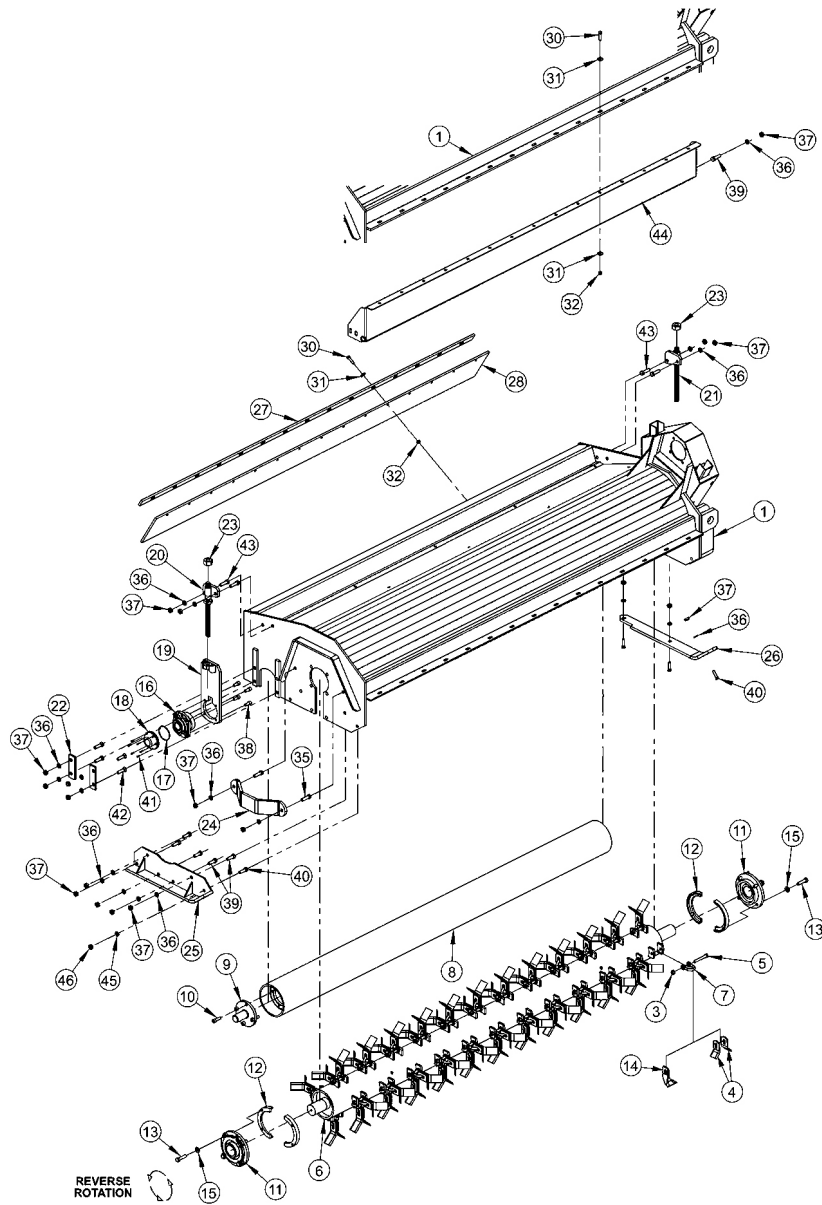
## EXTREME DUTY 75IN SIDE FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
5	34011	40	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1002	1	CUTTERSHAFT,75,HD
7	TF1020	40	KNIFE MTG CLEVIS,FLAIL
8	28738	1	GROUND ROLLER,75
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
15	06533006	8	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE,OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE,OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE,INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE,INNER (LEFT FLAIL)
27	TF1029	1	BAR,FLAP,TSF/TRF 75
28	TF1016	1	FLAP,DEFLECTOR,TSF/TRF 75
29	21988	10	LOCKWASHER,3/8
30	21632	13	CAPSCREW,3/8 X 1-1/2 NC
31	22016	13	FLATWASHER,3/8
32	21625	23	HEX NUT,3/8 NC
33	6T2283	10	CARRIAGE BOLT,3/8 X 1 NC
34	6T2615	10	WASHER,FENDER 3/8
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
38	6T2331	8	CAPSCREW,SKT HD,7/16 X 1 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC

COMMON TRIPLE

# EXTREME DUTY 75IN SIDE FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	21499A	1	BONNET,75,HD,T3F (RIGHT FLAIL)
---	21478A	1	BONNET,75,HD,T3F (LEFT FLAIL)
2	TF1002A	-	CUTSHT ASSY,75HD (STANDARD CUT) (ITEMS 3, 4, 5, 6 & 7)
---	TF1002B	-	CUTSHT ASSY,75HD (SMOOTH CUT) (ITEMS 3, 5, 6, 7 & 14)
3	21677	40	NYLOCK NUT,7/16 NC
4	33714	80	KNIFE,FLAIL (STANDARD CUT)
5	34011	40	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1002	1	CUTTERSHAFT,75,HD
7	TF1020	40	KNIFE MTG CLEVIS,FLAIL
8	28738	1	GROUND ROLLER,75

COMMON TRIPLE

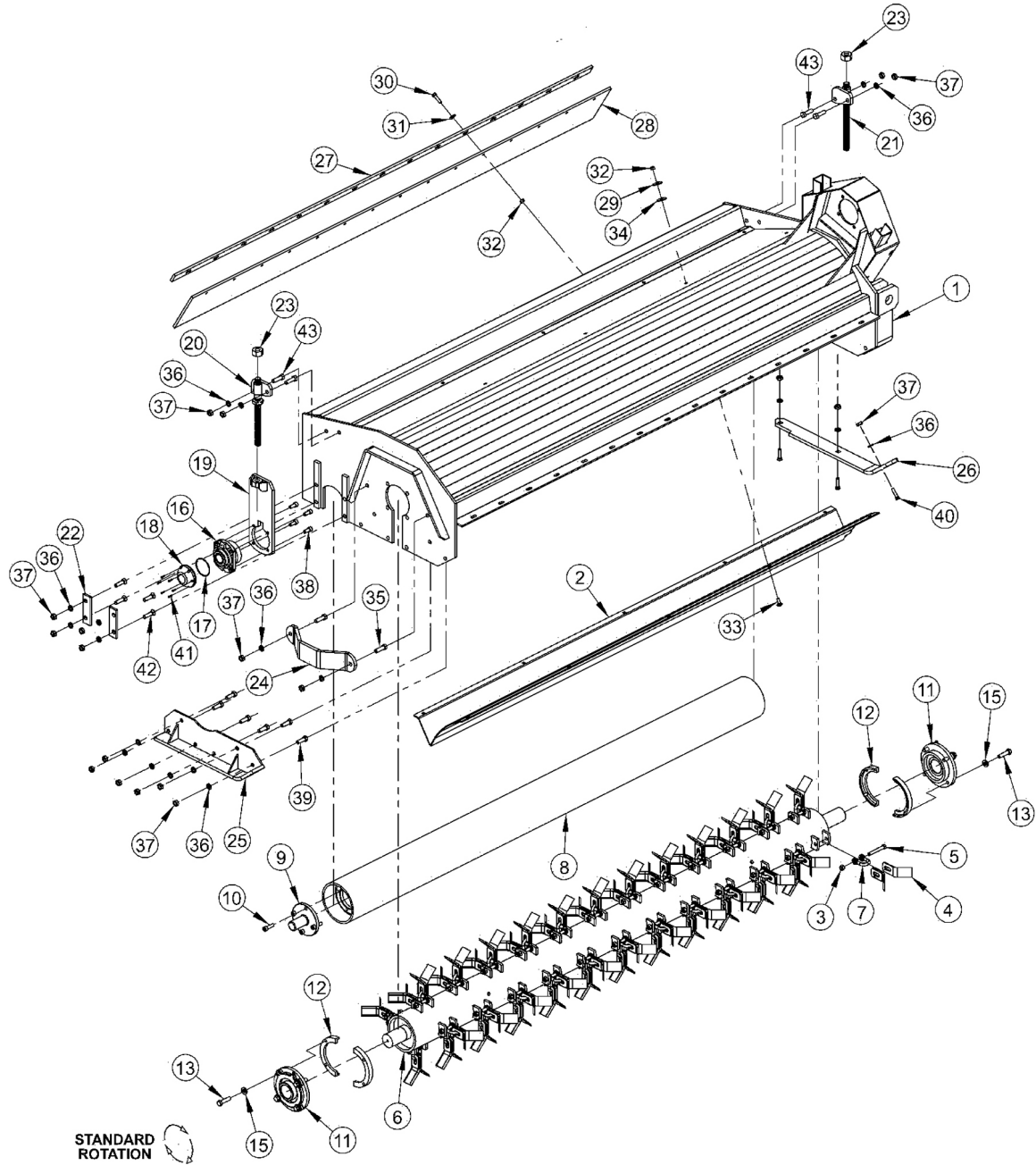
## EXTREME DUTY 75IN SIDE FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
14	TF1019F	40	KNIFE,FLAIL (SMOOTH CUT)
15	06533006	8	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE, OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE, OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE, INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE, INNER (LEFT FLAIL)
27	TF1029	1	BAR,FLAP,TSF/TRF 75
28	TF1016	1	FLAP,DEFLECTOR,TSF/TRF 75
30	21632	26	CAPSCREW,3/8 X 1-1/2 NC
31	22016	39	FLATWASHER,3/8
32	21625	26	HEX NUT,3/8 NC
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC
44	TF1403	1	TRASH GUARD,75REV ROT-HD
45	22018	1	FLATWASHER,1/2,WIDE
46	21727	1	NYLOCK NUT,1/2 NC

COMMON TRIPLE

# EXTREME DUTY 90IN SIDE FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	22083A	1	BONNET,90,HD,T3F (RIGHT FLAIL)
---	22084A	1	BONNET,90,HD,T3F (LEFT FLAIL)
2	TF1502A	1	BAFFLE,FLAIL,90HD,STD ROT
---	TF1102A	-	CUTSHT ASSY,90HD,STD KNIVES (ITEMS 3, 4, 5, 6 & 7)
3	21677	48	NYLOCK NUT,7/16 NC
4	33714	96	KNIFE,FLAIL,STANDARD

COMMON TRIPLE



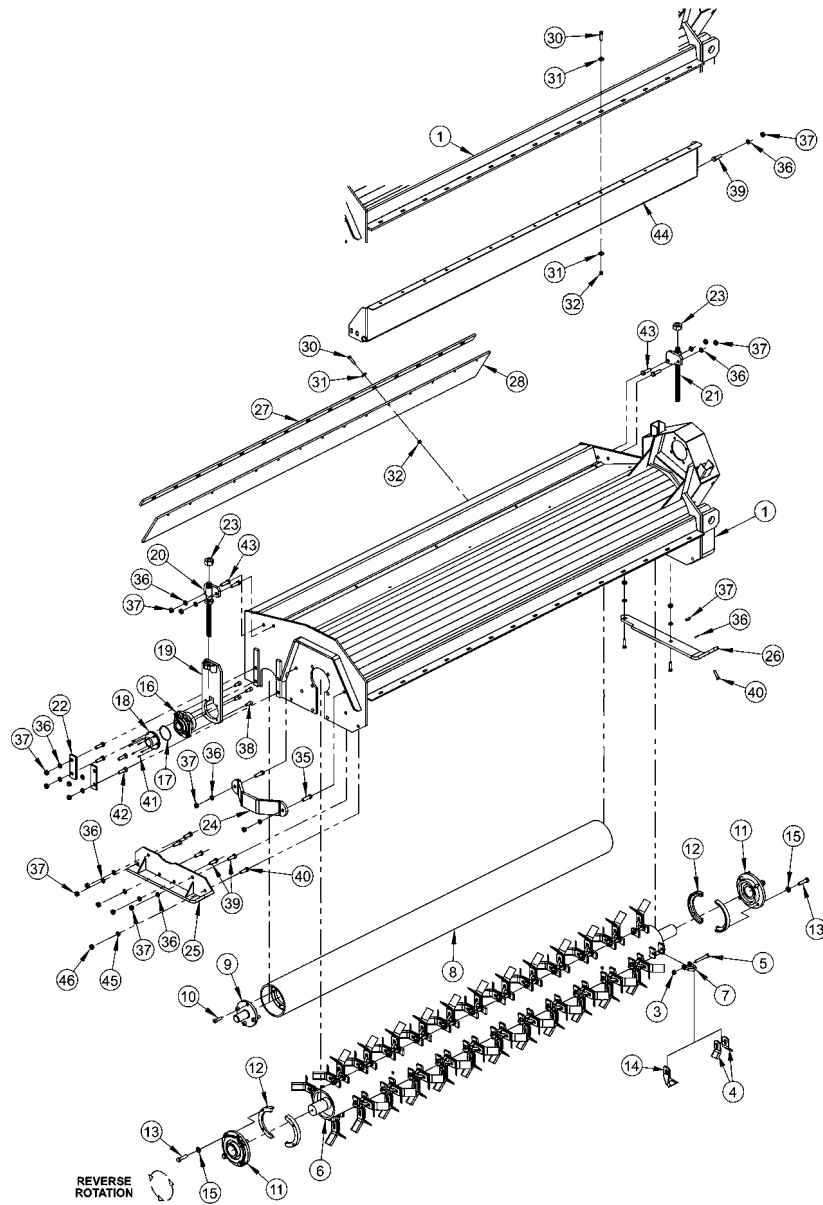
## EXTREME DUTY 90IN SIDE FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
5	34011	48	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1102	1	CUTTERSHAFT,90,HD
7	TF1020	48	KNIFE MTG CLEVIS,FLAIL
8	27972A	1	GROUND ROLLER,90
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
15	06533006	8	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE, OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE, OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE, INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE, INNER (LEFT FLAIL)
27	TF1135	1	BAR,FLAP,TSF/TRF 90
28	TF1116	1	FLAP,DEFLECTOR,TSF/TRF 90
29	21988	10	LOCKWASHER,3/8
30	21632	15	CAPSCREW,3/8 X 1-1/2 NC
31	22016	15	FLATWASHER,3/8
32	21625	25	HEX NUT,3/8 NC
33	6T2283	10	CARRIAGE BOLT,3/8 X 1 NC
34	6T2615	10	WASHER,FENDER 3/8
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
38	6T2331	8	CAPSCREW,SKT HD,7/16 X 1 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC

COMMON TRIPLE

# EXTREME DUTY 90IN SIDE FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
1	22083A	1	BONNET,90,HD,ASSY (RIGHT FLAIL)
---	22084A	1	BONNET,90,HD,ASSY (LEFT FLAIL)
2	TF1102A	-	CUTSHFT ASSY,90HD (STANDARD CUT) (ITEMS 3, 4, 5, 6 & 7)
---	TF1102B	-	CUTSHFT ASSY,90HD (SMOOTH CUT) (ITEMS 3, 5, 6, 7 & 14)
3	21677	48	NYLOCK NUT,7/16 NC
4	33714	96	KNIFE,FLAIL (STANDARD CUT)
5	34011	48	CAPSCREW,7/16X3 7/16,NC GR8
6	TF1102	1	CUTTERSHAFT,90,HD
7	TF1020	48	KNIFE MTG CLEVIS,FLAIL
8	27972A	1	GROUND ROLLER,90

COMMON TRIPLE

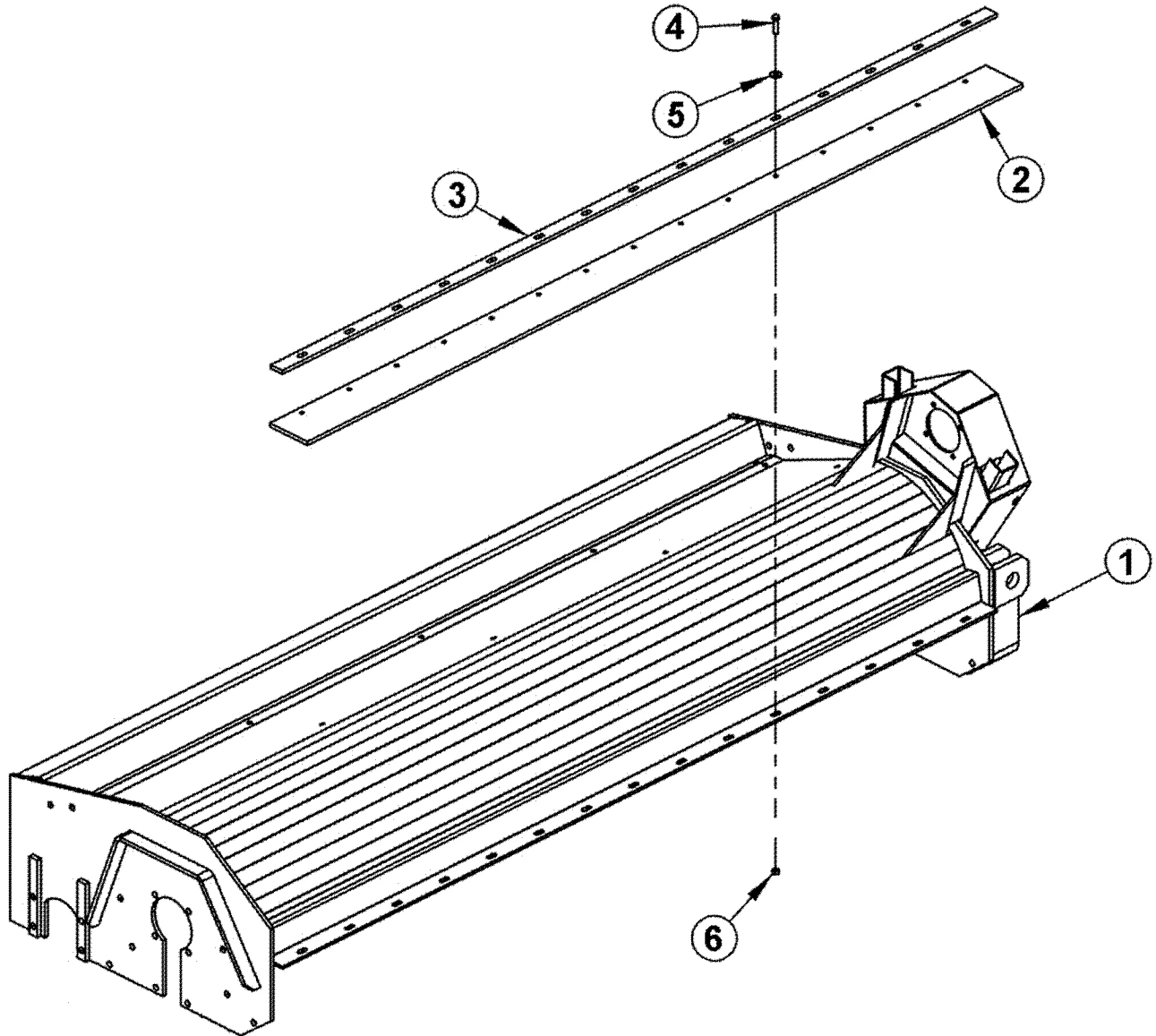
**EXTREME DUTY 90IN SIDE FLAIL - REV ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
9	TF1045B	2	STUB SHAFT,GROUND ROLLER
10	6T2330	8	CAPSCREW,SKT HD,7/16X1-1/2NC
11	TF1018	2	BEARING,FLANGE,2-3/16
---	06200347	-	STRING GUARD,KIT,HD(ITEMS 12,13,15)
12	31204	2	STRING GUARD, HD
13	06530217	8	CAPSCREW,1/2 X 2,NC,L9
14	TF1019F	48	KNIFE,FLAIL (SMOOTH CUT)
15	06533006	8	FLATWASHER,1/2,SAE,L9
16	06520028	2	BEARING,FLANGE,1 3/8,GRNDRLR
17	06520029	2	O-RING,2 3/4X3/32,AS568A-148
18	06520027	2	CAP,BEARING,GRNDRLR
19	TF4333A	2	GROUND ROLLER ADJ,BRKT
20	TF4334	1	ROD,GROUND ROLLER ADJ,RT
21	TF4335	1	ROD,GROUND ROLLER ADJ,LF
22	TF4336	4	PLATE,GROUND ROLLER LOCK
23	21399	2	HEX NUT,3/4 (ACME) BULK
24	TF1040	1	GUARD,CUTTER SHAFT
25	TF4371	1	SKID SHOE, OUTER (RIGHT FLAIL)
---	TF4370	1	SKID SHOE, OUTER (LEFT FLAIL)
26	23272A	1	SKID SHOE, INNER (RIGHT FLAIL)
---	27526	1	SKID SHOE, INNER (LEFT FLAIL)
27	TF1135	1	BAR,FLAP,TSF/TRF 90
28	TF1116	1	FLAP,DEFLECTOR,TSF/TRF 90
30	21632	30	CAPSCREW,3/8 X 1-1/2 NC
31	22016	45	FLATWASHER,3/8
32	21625	30	HEX NUT,3/8 NC
35	21732	2	CAPSCREW,1/2 X 1-3/4 NC
36	21990	23	LOCKWASHER,1/2
37	21725	23	HEX NUT,1/2 NC
38	6T2331	8	CAPSCREW,SKT HD,7/16 X 1 NC
39	21730	6	CAPSCREW,1/2 X 1-1/4 NC
40	23293	3	PLOW,BOLT,1/2 X 1-3/4 NC
41	06530001	12	CAPSCREW,SKT HD,8-32X1/2,SS
42	6T2291	8	PLOW BOLT,1/2 X 2 NC GR5
43	21731	4	CAPSCREW,1/2 X 1-1/2 NC
44	TF1503	1	TRASH GUARD,90REV ROT-HD
45	22018	1	FLATWASHER,1/2,WIDE
46	21727	1	NYLOCK NUT,1/2 NC

COMMON TRIPLE

FRONT FLAPS, XD FLAIL - STANDARD ROTATION



COMMON TRIPLE

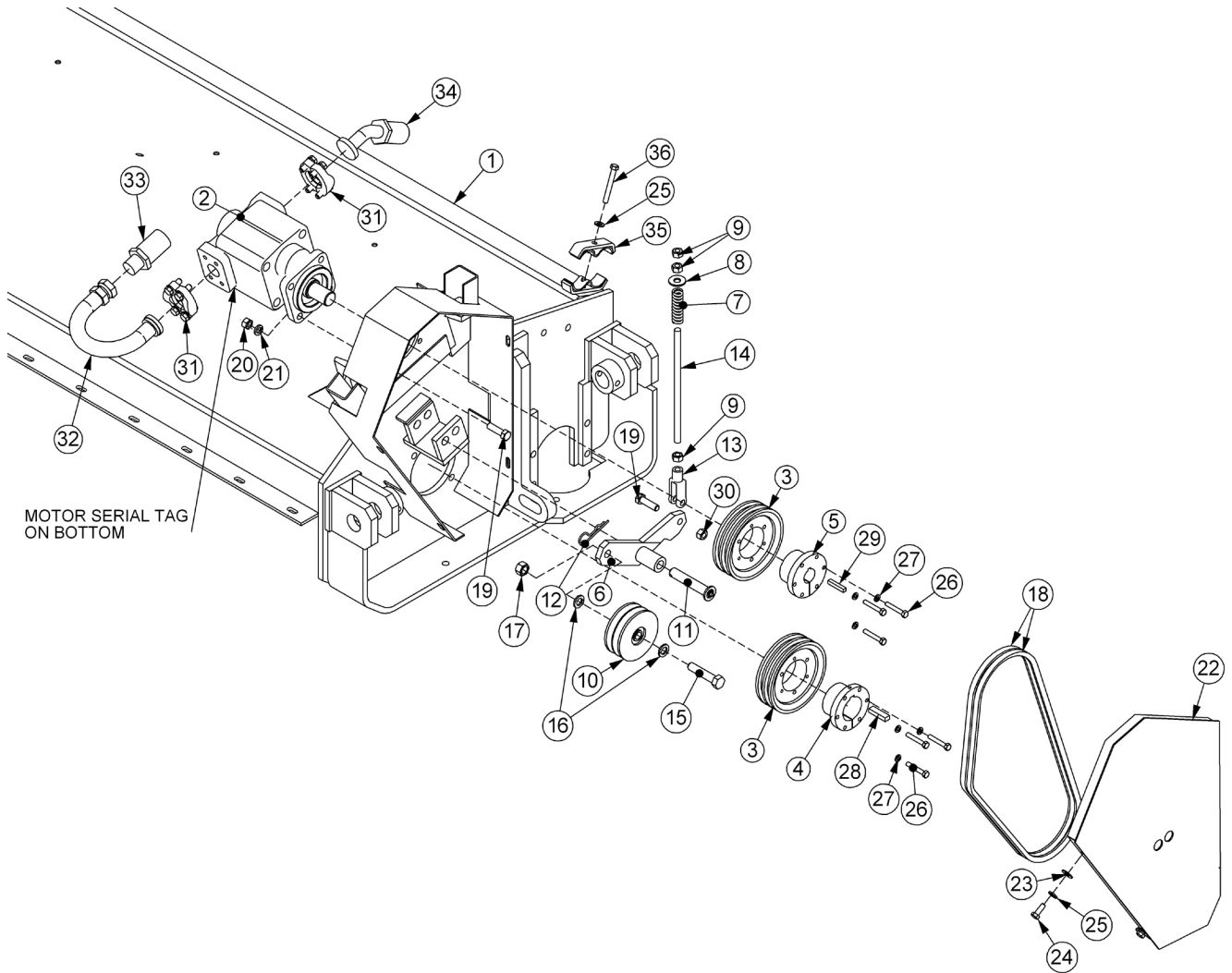
**FRONT FLAPS, XD FLAIL - STANDARD ROTATION**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	-----	-	BONNET *REFER TO HEAD ASSEMBLY
2	06520240	1	FLAP,FRONT,60IN
---	06520242	1	FLAP,FRONT,75IN
----	06520243	1	FLAP,FRONT,90IN
3	TF1803	1	BAR,FLAP,60IN
---	TF1029	1	BAR,FLAP,75IN
----	TF1135	1	BAR,FLAP,90IN
4	21632	10	CAPSCREW,3/8" X 1-1/2",NC (60IN FLAIL)
---	-----	13	CAPSCREW,3/8" X 1-1/2",NC (75IN FLAIL)
	-----	15	CAPSCREW,3/8" X 1-1/2",NC (90IN FLAIL)
5	22016	20	FLATWASHER,3/8" (60IN FLAIL)
---	-----	26	FLATWASHER,3/8" (75IN FLAIL)
----	-----	30	FLATWASHER,3/8" (90IN FLAIL)
6	21625	10	HEX NUT,3/8",NC (60IN FLAIL)
---	-----	13	HEX NUT,3/8",NC (75IN FLAIL)
----	-----	15	HEX NUT,3/8",NC (90IN FLAIL)

COMMON TRIPLE

# EXTREME DUTY SIDE FLAIL DRIVE ASSY



COMMON TRIPLE

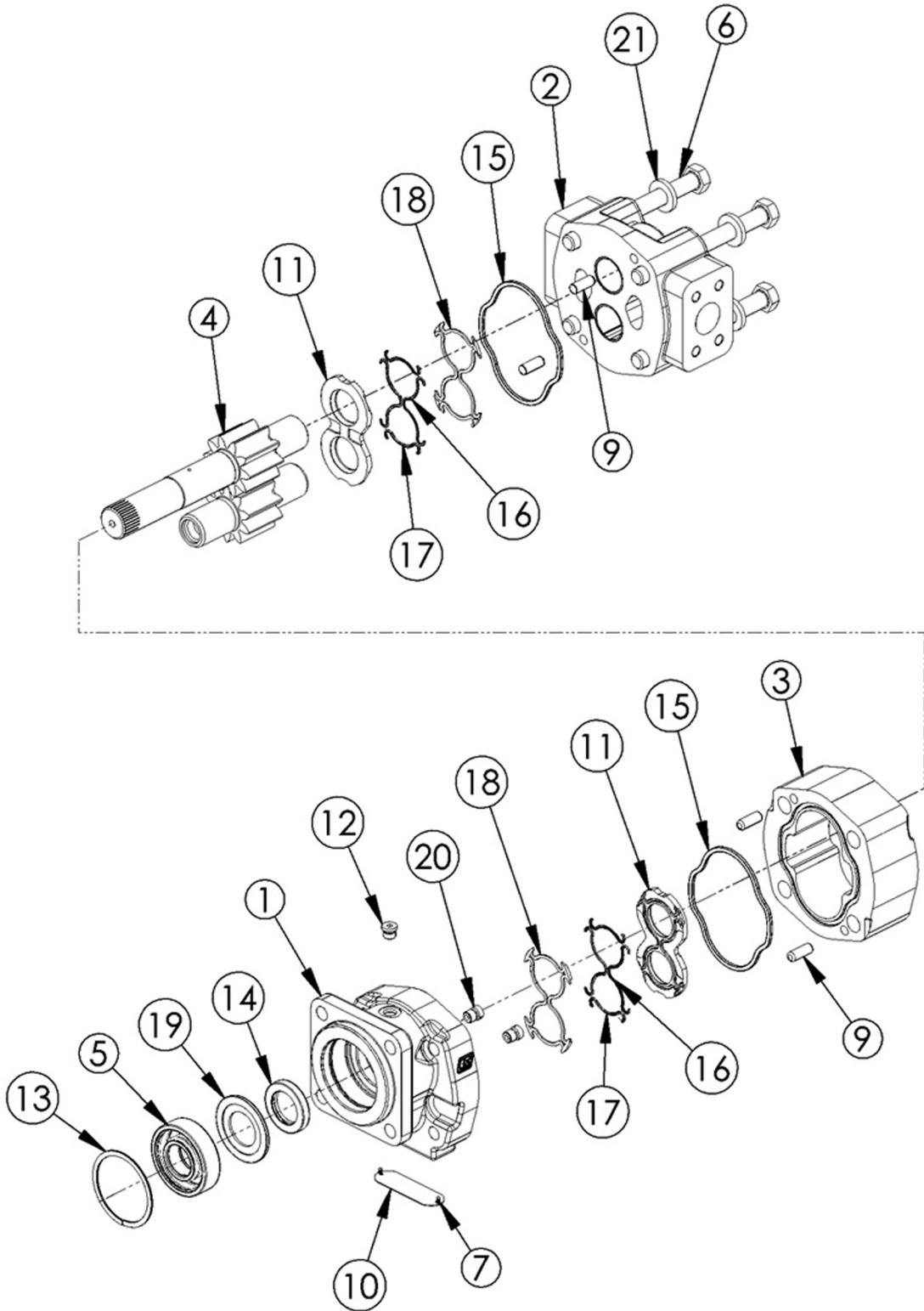
## EXTREME DUTY SIDE FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BONNET *REFER TO FLAIL PARTS
2	06504066	1	MOTOR,T3F
3	TF3040	2	SHEAVE,6.3
4	TF3011	1	BUSHING,QD,SK,2-3/16"
5	TF3013	1	BUSHING,QD,SK 1-1/4"
6	TF4346	1	IDLER ARM (RIGHT FLAIL - STD ROT / LEFT FLAIL - REV ROT)
---	TF4345	-	IDLER ARM (RIGHT FLAIL - REV ROT / LEFT FLAIL - STD ROT)
7	TF3620A	1	SPRING,TENSIONER
8	22018	1	FLATWASHER,1/2",WIDE
9	21700	3	HEX NUT, 1/2", NF
10	31293	1	SHEAVE,IDLER ASSY, 4.4 O.D.
11	TF3605	1	PIN,IDLER ARM 3/4"X4-1/4"
12	6T3004	1	R-CLIP (HAIRPIN COTTER, 3/16")
13	PT3611A	1	CLEVIS,6"
14	32494	1	ROD, THREADED, 1/2-20NF
15	21787	1	CAPSCREW,5/8" X 3", NC
16	21992	2	LOCKWASHER, 5/8
17	21775	1	HEX NUT, 5/8
18	TF3020	2	V-BELT, (530)
19	21732	5	CAPSCREW, 1/2 X 1 3/4,NC
20	21725	4	HEX NUT, 1/2" NC
21	21990	4	LOCKWASHER, 1/2"
22	TF4564	1	BELT SHEILD (RIGHT)
---	TF4565	1	BELT SHEILD (LEFT)
23	22016	4	FLATWASHER,3/8"
24	21630	4	CAPSCREW, 3/8 X 1,NC
25	21988	5	LOCKWASHER, 3/8"
26	21584	6	CAPSCREW, 5/16 X 2,NC
27	21987	6	LOCKWASHER, 5/16"
28	TF1025	1	KEY,1/4" X 1/2" X 1-7/8" SQ
29	TF1125	1	KEY,3/8" X 1/2" X 1-7/8" SQ
30	21727	1	NYLOCK NUT, 1/2
31	TF4853	2	KIT,FLANGE,#16
32	32920	1	PREFORMED TUBE
33	-----	-	HOSE (RETURN FOR STANDARD ROTATION)
34	-----	-	HOSE (PRESSURE FOR STANDARD ROTATION)
35	TB3031	1	CLAMP,HOSE
36	21638	1	CAPSCREW,3/8 X 3,NC

COMMON TRIPLE

# EXTREME DUTY SIDE FLAIL MOTOR BREAKDOWN



COMMON TRIPLE



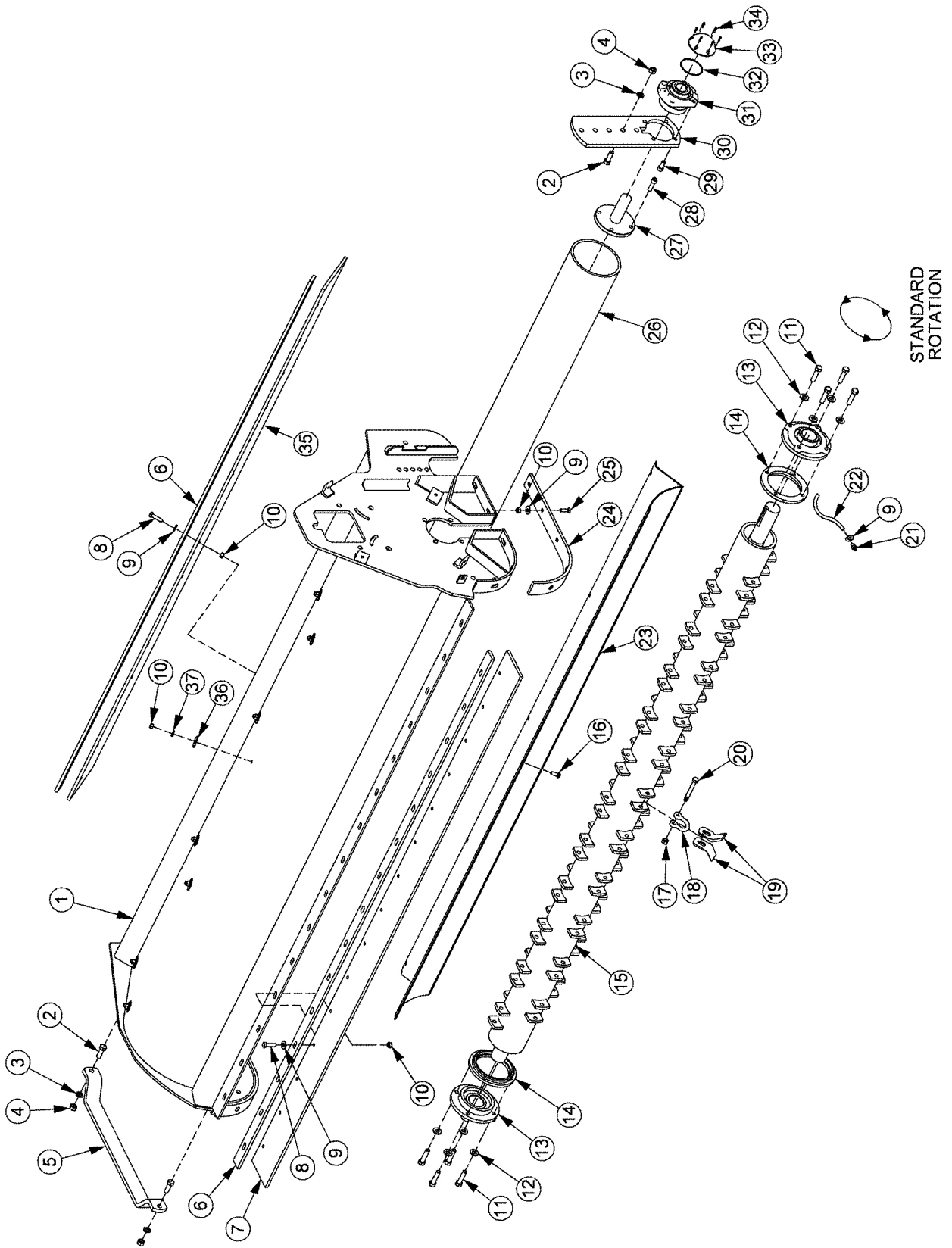
## EXTREME DUTY SIDE FLAIL MOTOR BREAKDOWN

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06504066	-	MOTOR ASSEMBLY 350 - TSF
1	06504039	1	SHAFT END COVER
2	06504054	1	PORT END COVER
3	06504055	1	GEAR HOUSING
4	06504056	1	MATCHED GEAR SET
5	TF4402	1	BALL BEARING
6	06504057	4	CAP SCREW
7	06504044	2	SET SCREW
9	06504045	4	DOWEL PIN
10	-----	1	NAMEPLATE
11	763759	2	THRUSTPLATE
12	02961940	1	HEX PLUG
13	TF4401	1	SNAP RING
14	06504049	1	LIP SEAL (INCLUDED IN SEAL KIT)
15	TF4410	2	GASKET SEAL (INCLUDED IN SEAL KIT)
16	06504046	4	SIDE SEAL (INCLUDED IN SEAL KIT)
17	06504047	4	END SEAL (INCLUDED IN SEAL KIT)
18	TF4407	2	BACK-UP SEAL (INCLUDED IN SEAL KIT)
19	02961932	1	SEAL RETAINER
20	6T5809	2	CHECK ASSEMBLY
21	02961917	4	WASHER
---	06504023	-	SEAL KIT (INCLUDES 14, 15, 16, 17, AND 18)

COMMON TRIPLE

# SUPER DUTY 75IN REAR FLAIL - STD ROT



COMMON TRIPLE

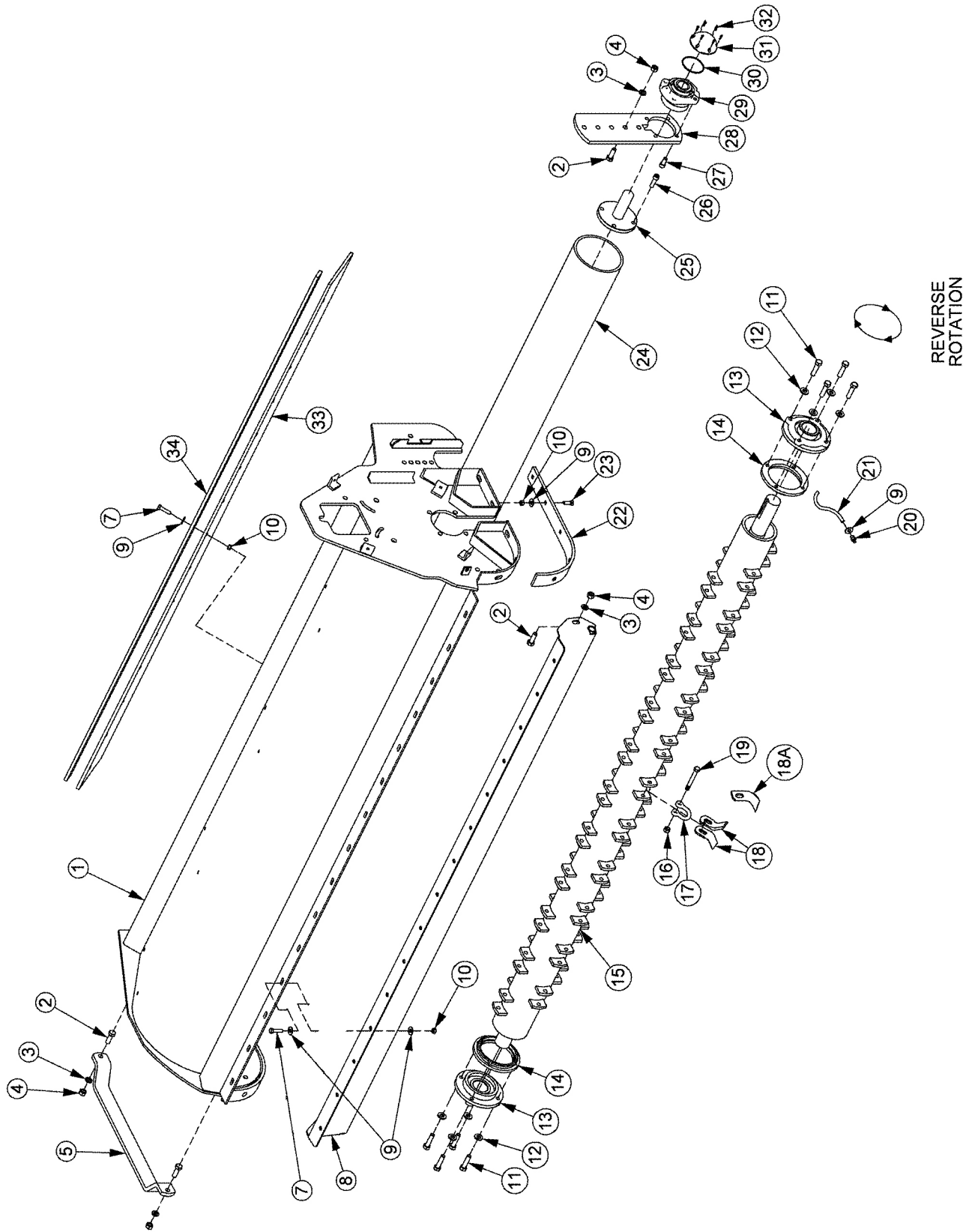
## SUPER DUTY 75IN REAR FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06742090	-	75" REAR FLAIL,SD,STD ROT
1	06320134	1	BONNET,75",STD,ROSTA
2	21731	6	CAPSCREW,1/2" X 1-1/2",NC
3	21990	6	LOCKWASHER,1/2"
4	21725	6	HEX NUT,1/2",NC
5	27975A	1	GUARD,CUTTERSHAFT
6	TF1029	2	BAR,FLAP,TSF/TRF 75"
7	06520242	1	FLAP,75",FRONT
8	21632	20	CAPSCREW,3/8" X 1-1/2",NC
9	22016	37	FLATWASHER,3/8",GR8
10	21625	46	HEX NUT,3/8",NC
---	06200639	-	KIT,STRING GUARD (ITEMS 11, 12 & 14)
11	06530217	8	CAPSCREW,3/4" X 2-1/2",GR8,NC
12	06533006	8	FLATWASHER,1/2",SAE,L9
13	28683	2	BEARING,FLANGE,1-15/16",STD
14	33863	2	STRING GUARD,STD
---	28747	-	CUTTERSHAFT ASSY (STANDARD CUT) (ITEMS 15, 17, 18, 19 & 20)
15	28643B	1	CUTTERSHAFT,75"STD,W/EARS
16	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
17	21677	40	NYLOCK NUT,7/16",NC
18	TF1020	40	KNIFE MTG CLEVIS,FLAIL
19	33713	80	KNIFE,FLAIL (STANDARD CUT)
20	34011	40	CAPSCREW,7/16" X 3-7/16",GR8,NC
21	TF1033	1	GREASE ZERK,1/8" FPT
22	TF1032	1	GRS HOSE,3/16" X 8"
23	28737	1	BAFFLE,75",STD ROT-STD
24	28086A	2	SKID SHOE,STD DUTY,REAR FLAIL
25	30013	10	PLOW BOLT,3/8" X 1-1/4",GR5,NC
26	28738	1	GROUND ROLLER,75"
27	TF1045B	2	STUB SHAFT,GROUND ROLLER
28	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
29	6T2331	4	CAPSCREW,SKT HD,7/16" X 1",NC
30	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
31	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLLR
32	06520029	2	O-RING,2-3/4" X 3/32"
33	06520027	2	CAP,BEARING,GRNDRLLR
34	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
35	TF1016	1	FLAP,DEFLECTOR,75"
36	6T2615	10	WASHER,FENDER,3/8"
37	21988	10	LOCKWASHER,3/8"

COMMON TRIPLE

# SUPER DUTY 75IN REAR FLAIL - REV ROT



COMMON TRIPLE

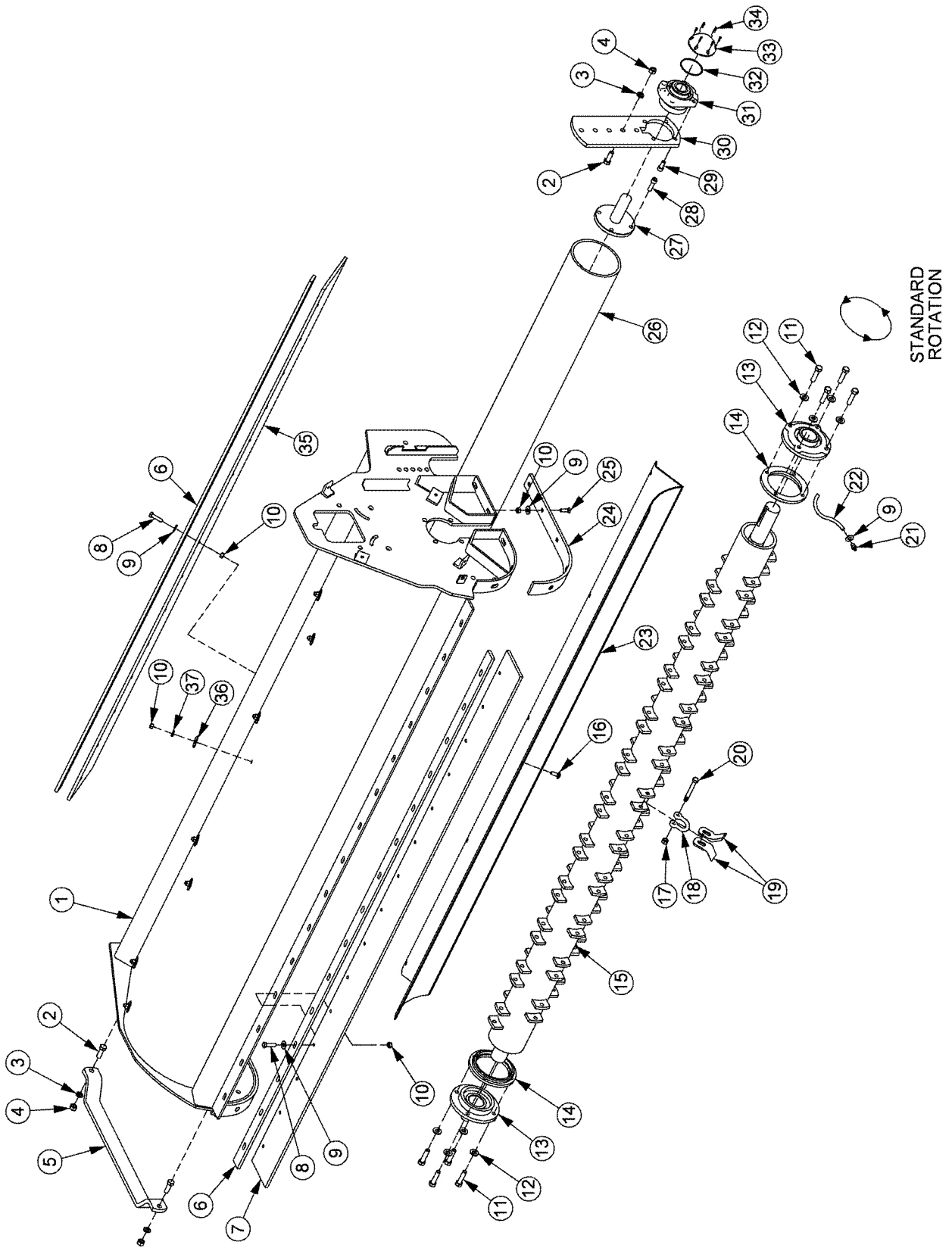
## SUPER DUTY 75IN REAR FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06742091	-	75IN REAR FLAIL,SD,RR (STANDARD CUT)
----	06742092	-	75IN REAR FLAIL,SD,RR (SMOOTH CUT)
1	06320134	1	BONNET,75",STD,ROSTA
2	21731	8	CAPSCREW,1/2" X 1-1/2",NC
3	21990	8	LOCKWASHER,1/2"
4	21725	8	HEX NUT,1/2",NC
5	27975A	1	GUARD,CUTTERSHAFT
7	21632	20	CAPSCREW,3/8" X 1-1/2",NC
8	28968A	1	TRASH GUARD,75"
9	22016	50	FLATWASHER,3/8",GR8
10	21625	40	HEX NUT,3/8",NC
---	06200639	-	KIT,STRING GUARD (ITEMS 11, 12 & 14)
11	06530217	8	CAPSCREW,3/4" X 2-1/2",GR8,NC
12	06533006	8	FLATWASHER,1/2",SAE,L9
13	28683	2	BEARING,FLANGE,1-15/16",STD
14	33863	2	STRING GUARD,STD
---	28747	-	CUTTERSHAFT,ASSY (STANDARD CUT) (ITEMS 15, 16, 17, 18 & 19)
----	28748	-	CUTTERSHAFT,ASSY (SMOOTH CUT) (ITEMS 15, 16, 17, 18A & 19)
15	28643B	1	CUTTERSHAFT,75"STD,W/EARS
16	21677	40	NYLOCK NUT,7/16",NC
17	TF1020	40	KNIFE MTG CLEVIS,FLAIL
18	33713	80	KNIFE,FLAIL (STANDARD CUT)
18A	28184A	40	KNIFE,FLAIL (SMOOTH CUT)
19	34011	40	CAPSCREW,7/16" X 3-7/16",GR8,NC
20	TF1033	1	GREASE ZERK,1/8" FPT
21	TF1032	1	GRS HOSE,3/16" X 8"
22	28086A	2	SKID SHOE,STD DUTY,REAR FLAIL
23	30013	10	PLOW BOLT,3/8" X 1-1/4",GR5,NC
24	28738	1	GROUND ROLLER,75"
25	TF1045B	2	STUB SHAFT,GROUND ROLLER
26	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
27	6T2331	4	CAPSCREW,SKT HD,7/16" X 1",NC
28	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
29	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLLR
30	06520029	2	O-RING,2-3/4" X 3/32"
31	06520027	2	CAP,BEARING,GRNDRLLR
32	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
33	TF1016	1	FLAP,DEFLECTOR,75"
34	TF1029	1	BAR,FLAP,TSF/TRF,75"

COMMON TRIPLE

# SUPER DUTY 90IN REAR FLAIL - STD ROT



COMMON TRIPLE

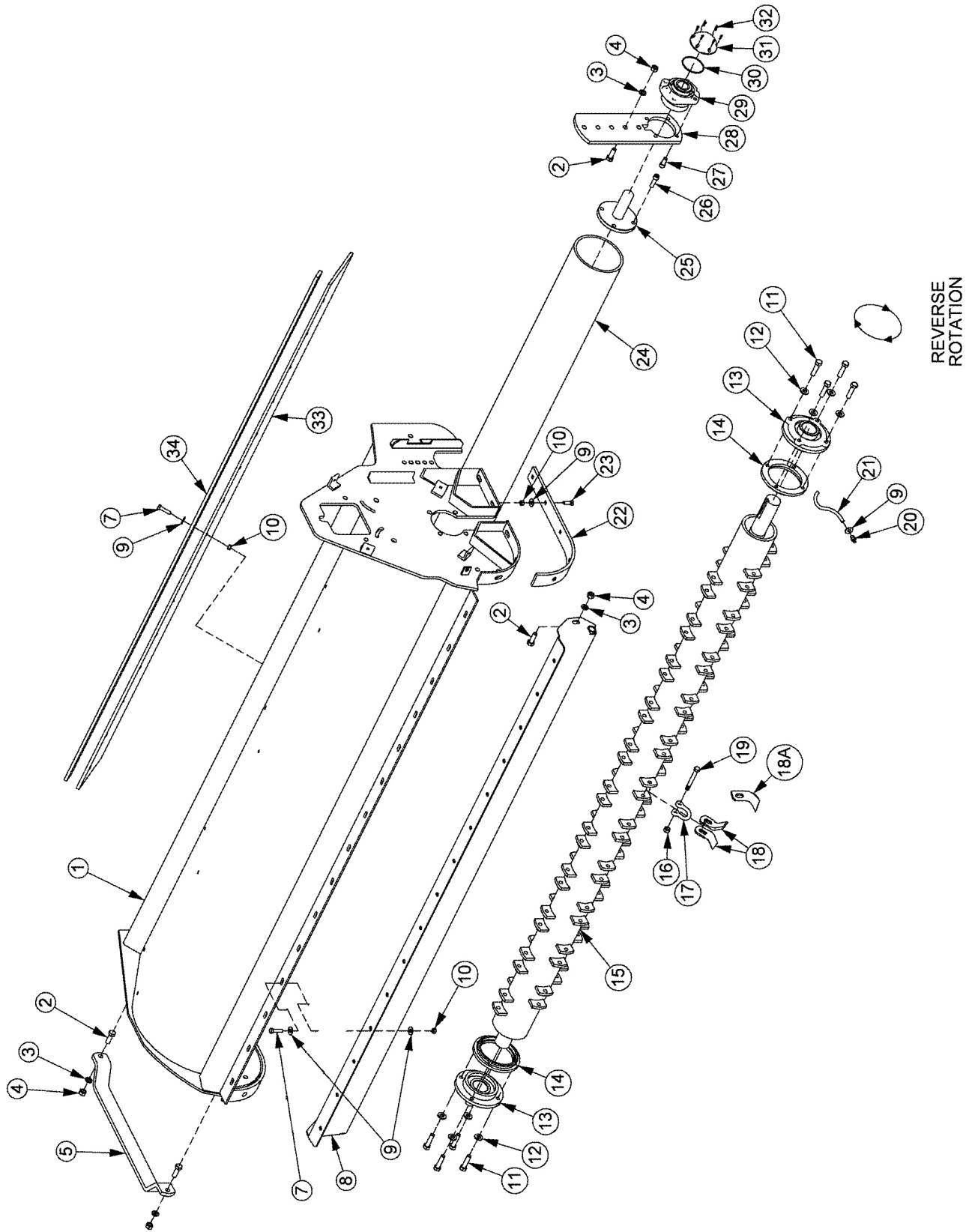
**SUPER DUTY 90IN REAR FLAIL - STD ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
---	06742080	-	90" REAR FLAIL,SD,STD ROT
1	06320115	1	BONNET,90",STD,ROSTA
2	21731	6	CAPSCREW,1/2" X 1-1/2",NC
3	21990	6	LOCKWASHER,1/2"
4	21725	6	HEX NUT,1/2",NC
5	27975A	1	GUARD,CUTTERSHAFT
6	TF1135	2	BAR,FLAP,TSF/TRF 90"
7	06520243	1	FLAP,90",FRONT
8	21632	20	CAPSCREW,3/8" X 1-1/2",NC
9	22016	41	FLATWASHER,3/8",GR8
10	21625	50	HEX NUT,3/8",NC
---	06200639	-	KIT,STRING GUARD (ITEMS 11, 12 & 14)
11	06530217	8	CAPSCREW,3/4" X 2-1/2",GR8,NC
12	06533006	8	FLATWASHER,1/2",SAE,L9
13	28683	2	BEARING,FLANGE,1-15/16",STD
14	33863	2	STRING GUARD,STD
---	28745	-	CUTTERSHAFT ASSY (ITEMS 15, 17, 18, 19 & 20)
15	27964C	1	CUTTERSHAFT,90"STD,W/EARS
16	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
17	21677	48	NYLOCK NUT,7/16",NC
18	TF1020	48	KNIFE MTG CLEVIS,FLAIL
19	33713	96	KNIFE,FLAIL,SHORT
20	34011	48	CAPSCREW,7/16" X 3-7/16",GR8,NC
21	TF1033	1	GREASE ZERK,1/8" FPT
22	TF1032	1	GRS HOSE,3/16" X 8"
23	27971	1	BAFFLE,90",STD ROT-STD
24	28086A	2	SKID SHOE,STD DUTY,REAR FLAIL
25	30013	10	PLOW BOLT,3/8" X 1-1/4",GR5,NC
26	27972A	1	GROUND ROLLER,90"
27	TF1045B	2	STUB SHAFT,GROUND ROLLER
28	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
29	6T2331	4	CAPSCREW,SKT HD,7/16" X 1",NC
30	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
31	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLLR
32	06520029	2	O-RING,2-3/4" X 3/32"
33	06520027	2	CAP,BEARING,GRNDRLLR
34	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
35	TF1116	1	FLAP,DEFLECTOR,90"
36	6T2615	10	WASHER,FENDER,3/8"
37	21988	10	LOCKWASHER,3/8"

COMMON TRIPLE

# SUPER DUTY 90IN REAR FLAIL - REV ROT



COMMON TRIPLE



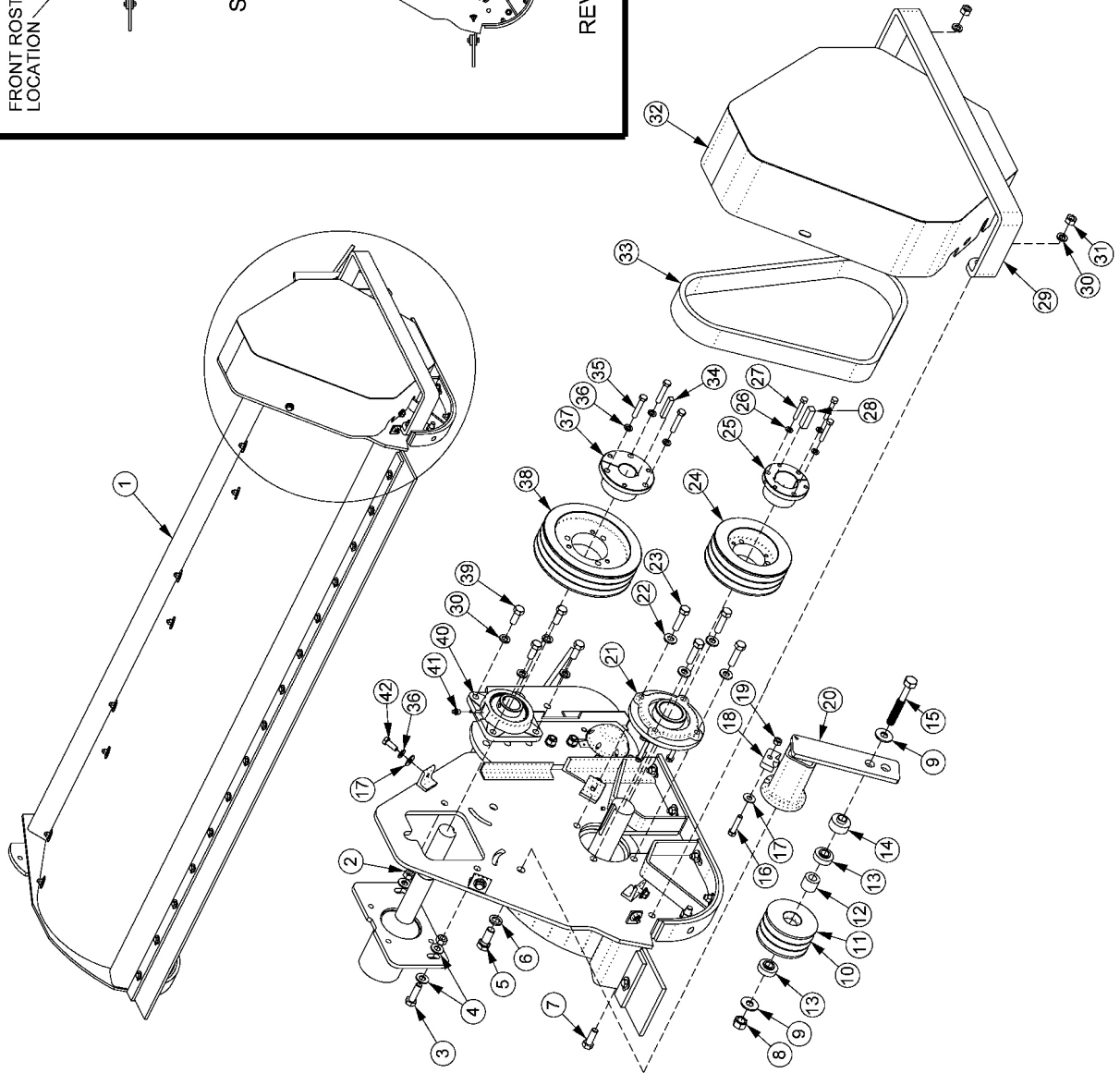
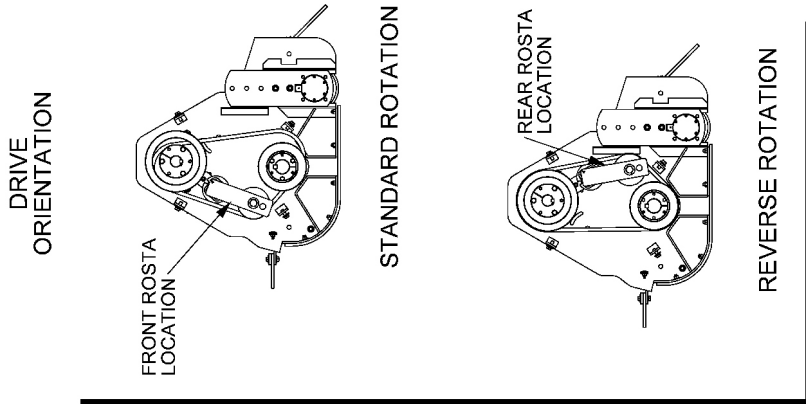
**SUPER DUTY 90IN REAR FLAIL - REV ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
---	06742083	-	90" REAR FLAIL,SD (STANDARD CUT)
----	06742084	-	90" REAR FLAIL,SD (SMOOTH CUT)
1	06320115	1	BONNET,90",STD,ROSTA
2	21731	8	CAPSCREW,1/2" X 1-1/2",NC
3	21990	8	LOCKWASHER,1/2"
4	21725	8	HEX NUT,1/2",NC
5	27975A	1	GUARD,CUTTERSHAFT
7	21632	20	CAPSCREW,3/8" X 1-1/2",NC
8	28967A	1	TRASH GUARD,90"
9	22016	56	FLATWASHER,3/8",GR8
10	21625	40	HEX NUT,3/8",NC
---	06200639	-	KIT,STRING GUARD (ITEMS 11, 12 & 14)
11	06530217	8	CAPSCREW,3/4" X 2-1/2",GR8,NC
12	06533006	8	FLATWASHER,1/2",SAE,L9
13	28683	2	BEARING,FLANGE,1-15/16",STD
14	33863	2	STRING GUARD,STD
---	28745	-	CUTTERSHAFT ASSY (STANDARD CUT) (ITEMS 15, 16, 17, 18 & 19)
----	28746	-	CUTTERSHAFT ASSY (SMOOTH CUT) (ITEMS 15, 16, 17, 18A & 19)
15	27964C	1	CUTTERSHAFT,90"STD,W/EARS
16	21677	48	NYLOCK NUT,7/16",NC
17	TF1020	48	KNIFE MTG CLEVIS,FLAIL
18	33713	96	KNIFE,FLAIL (STANDARD CUT)
18A	28184A	48	KNIFE,FLAIL (SMOOTH CUT)
19	34011	48	CAPSCREW,7/16" X 3-7/16",GR8,NC
20	TF1033	1	GREASE ZERK,1/8" FPT
21	TF1032	1	GRS HOSE,3/16" X 8"
22	28086A	2	SKID SHOE,STD DUTY,REAR FLAIL
23	30013	10	PLOW BOLT,3/8" X 1-1/4",GR5,NC
24	27972A	1	GROUND ROLLER,90"
25	TF1045B	2	STUB SHAFT,GROUND ROLLER
26	6T2330	8	CAPSCREW,SKT HD,7/16" X 1-1/2",NC
27	6T2331	4	CAPSCREW,SKT HD,7/16" X 1",NC
28	28735	2	GROUND ROLLER ADJ BRKT,STD DTY
29	06520028	2	BEARING,FLANGE,1-3/8",GRNDRLLR
30	06520029	2	O-RING,2-3/4" X 3/32"
31	06520027	2	CAP,BEARING,GRNDRLLR
32	06530001	12	CAPSCREW,SKT HD,8-32 X 1/2",SS
33	TF1116	1	FLAP,DEFLECTOR,90"
34	TF1035	1	BAR,FLAP,TSF/TRF,90"

COMMON TRIPLE

# SUPER DUTY REAR FLAIL DRIVE ASSY



ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BONNET *REFER TO CUTTER ASSEMBLY
2	21727	2	NYLOCK NUT, 1/2", NC
3	21732	2	CAPSCREW, 1/2" X 1-3/4", NC
4	22018	4	FLATWASHER, 1/2", WIDE

COMMON TRIPLE

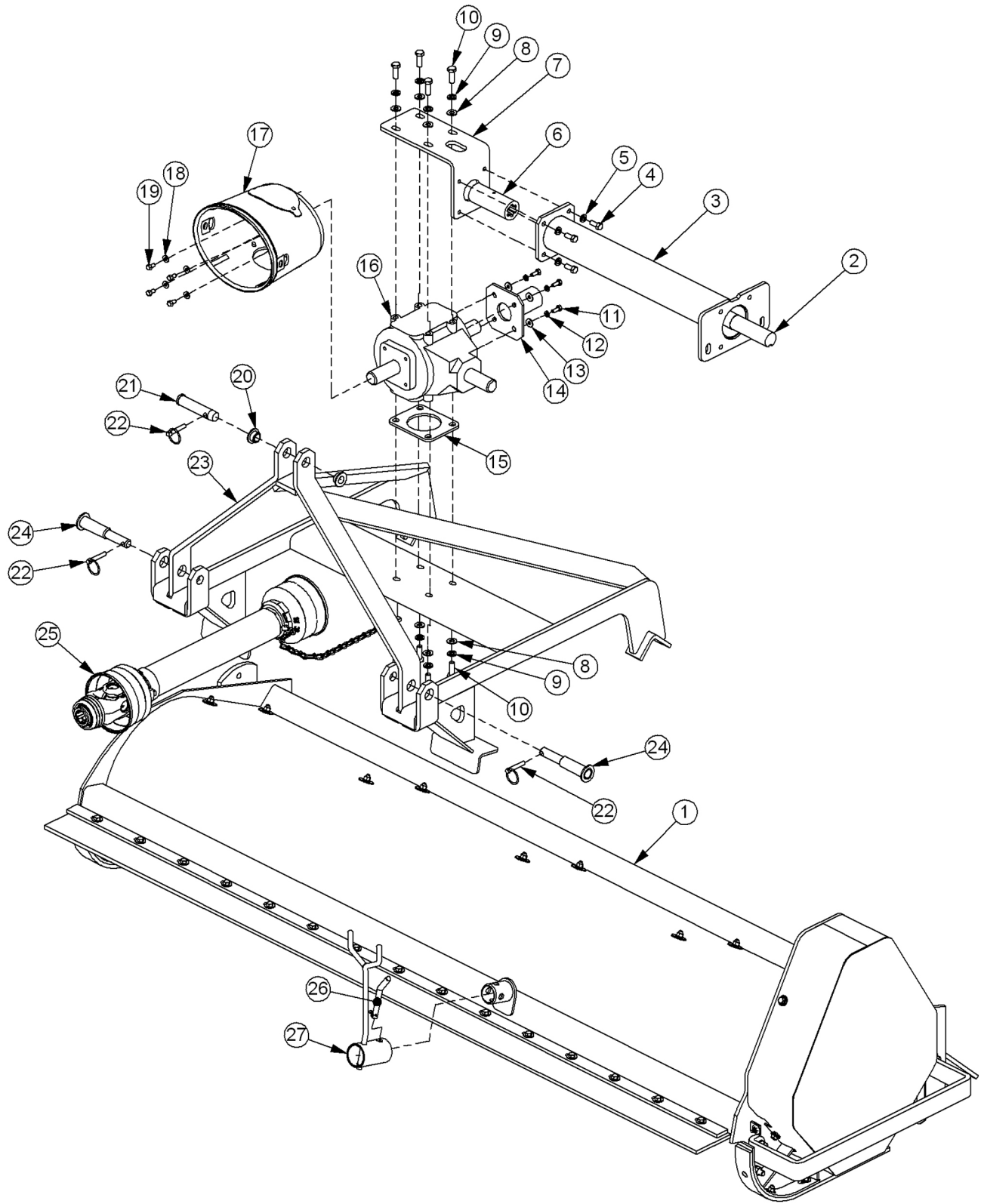
## SUPER DUTY REAR FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
5	22421	-	CAPSCREW,16MM X 40MM(2.0P)
6	31956	-	FLATWASHER,16MM,HARDENED
7	21731	2	CAPSCREW,1/2" X 1-1/2",NC
8	32838	1	HEX NUT,5/8-11 UNC,GR8
9	25270	2	FLATWASHER,5/8",GR8,USS
10	06700092	-	ASSY,SHEAVE,IDLER,3 GRV
11	06420072	1	SHEAVE,IDLER,3 GRV
12	31298	2	BRG,FAFNIR,203KRR2
13	06430072	1	SPACER,1.25" X .69" X 1.03"
14	06420094	1	SPACER,1.00" X 1.63" X .64"
15	33854	1	CAPSCREW,5/8" X 4-1/2",GR8,NC
16	21632	1	CAPSCREW,3/8" X 1-1/2",NC
17	22016	5	FLATWASHER,3/8",GR8
18	06400717	1	STOP,ROSTA
19	21627	1	NYLOCK NUT,3/8",NC
20	06520306	1	TNSNR,ROSTA,SE38,W/MTG BOLT
21	28683	2	BEARING,FLANGE,1-15/16",STD
22	06533006	8	FLATWASHER,1/2",L9,SAE
23	06530217	8	CAPSCREW,1/2" X 2",L9,NC
24	06520218	1	SHEAVE,6.7",3G5V,QD,SK
25	28723	1	BUSHING,QD,SK 1-15/16"
26	21987	3	LOCKWASHER,5/16"
27	21584	3	CAPSCREW,5/16" X 2",NC
28	26142A	1	KEY,1/2"SQ X 2"
29	06410723	1	BAR,RUB
30	21990	6	LOCKWASHER,1/2"
31	21725	2	HEX NUT,1/2",NC
32	06320114	1	SHIELD,BELT,WLDMNT,STD
33	06520312	1	BELT,BANDED,3/5VX560
34	28224	1	KEY,3/8"SQ X 2"
35	21634	3	CAPSCREW,3/8" X 2",NC
36	21988	3	LOCKWASHER,3/8"
37	06520304	1	BUSHING,QD,SF 1-1/2",3/8" KEY
38	02967325	1	SHEAVE,8.5",3G5V
39	21730	4	CAPSCREW,1/2" X 1-1/4",NC
40	06520308	1	BRNG,FLNG,1-1/2",GRIP-TIGHT
41	6T3208	1	ZERK,1/8" X 45°
42	21630	4	CAPSCREW,3/8" X 1",NC
43	06520386	-	GAGE,TENSION,PLUNGER (NOT SHOWN)
44	06401023	-	WRENCH,ROSTA

COMMON TRIPLE

# SUPER DUTY PTO DRIVE ASSY



COMMON TRIPLE

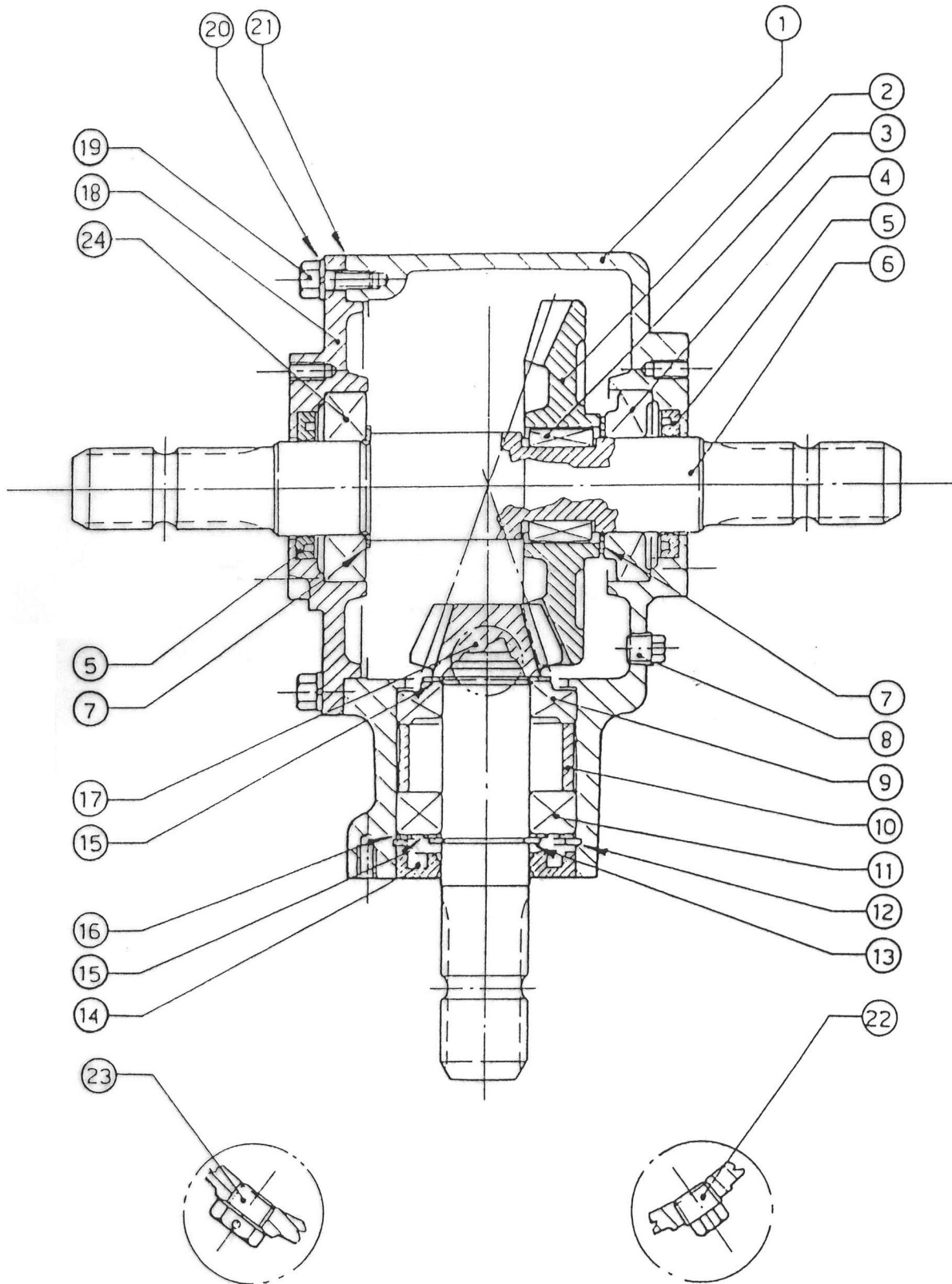
## SUPER DUTY PTO DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06320134	1	BONNET,75,STD,ROSTA
---	06320115	-	BONNET,90,STD,ROSTA
2	06420110	1	SHAFT,OUTPUT,TRF75
----	06420109	-	SHAFT,OUTPUT,TRF75 (OFFSET)
---	06420092	-	SHAFT,OUTPUT,TRF90
----	06420109	-	SHAFT,OUTPUT,TRF90 (OFFSET)
3	06320133	1	TUBE,SAFETY,75,SD
----	06320119	1	TUBE,SAFETY,75 (OFFSET)
---	06320117	-	TUBE,SAFETY,90,SD
----	06320119	-	TUBE,SAFETY,90 (OFFSET)
4	21679	4	CAPSCREW,7/16 X 1,NC
5	21989	4	LOCKWASHER,7/16
6	28914	1	COUPLING,6 SPLINE W/ZERK
7	33204	1	PLATE,MNT,GUARD
8	27724	8	LOCKWASHER,12MM
9	22017	4	FLATWASHER,7/16
10	34890	8	CAPSCREW,12MM X 35MM(1.75P)
11	27508	4	CAPSCREW,8MM X 20MM(1.25P)
12	6T2619	4	LOCKWASHER,8MM
13	22015	4	FLATWASHER,5/16
14	28447E	1	GUARD,TRF,OUTPUT SHAFT
15	06400018	1	SPACER,REAR FLAIL (IF NECESSARY)
16	28950	1	GEAR BOX,540 RPM
17	06520181	1	SHIELD,PTO
18	34948	4	FLATWASHER,3/8
19	27507	4	CAPSCREW,8MM X 15MM(1.25P)
20	28235A	2	BUSHING,3PT,CAT II TO CAT I
21	TB1036	1	PIN,SEC BOOM SWIV 1 X 4-11/16
22	TF1143	3	PIN,LYNCH,7/16 X 2
23	06370154	1	FRM,3PT,STD
24	28234B	2	PIN,3PT,TRF,STD
25	06520414	1	PTO,DRV SHFT,TRF
---	06520415	-	PTO,DRV SHFT,TRF,W/ CLUTCH
26	06520048	1	PIN,.5 X 2.5,BENT,W/R-CLIP
27	06370022	1	SUPPORT,PTO

COMMON TRIPLE

# SUPER DUTY REAR GEAR BOX ASSY



COMMON TRIPLE

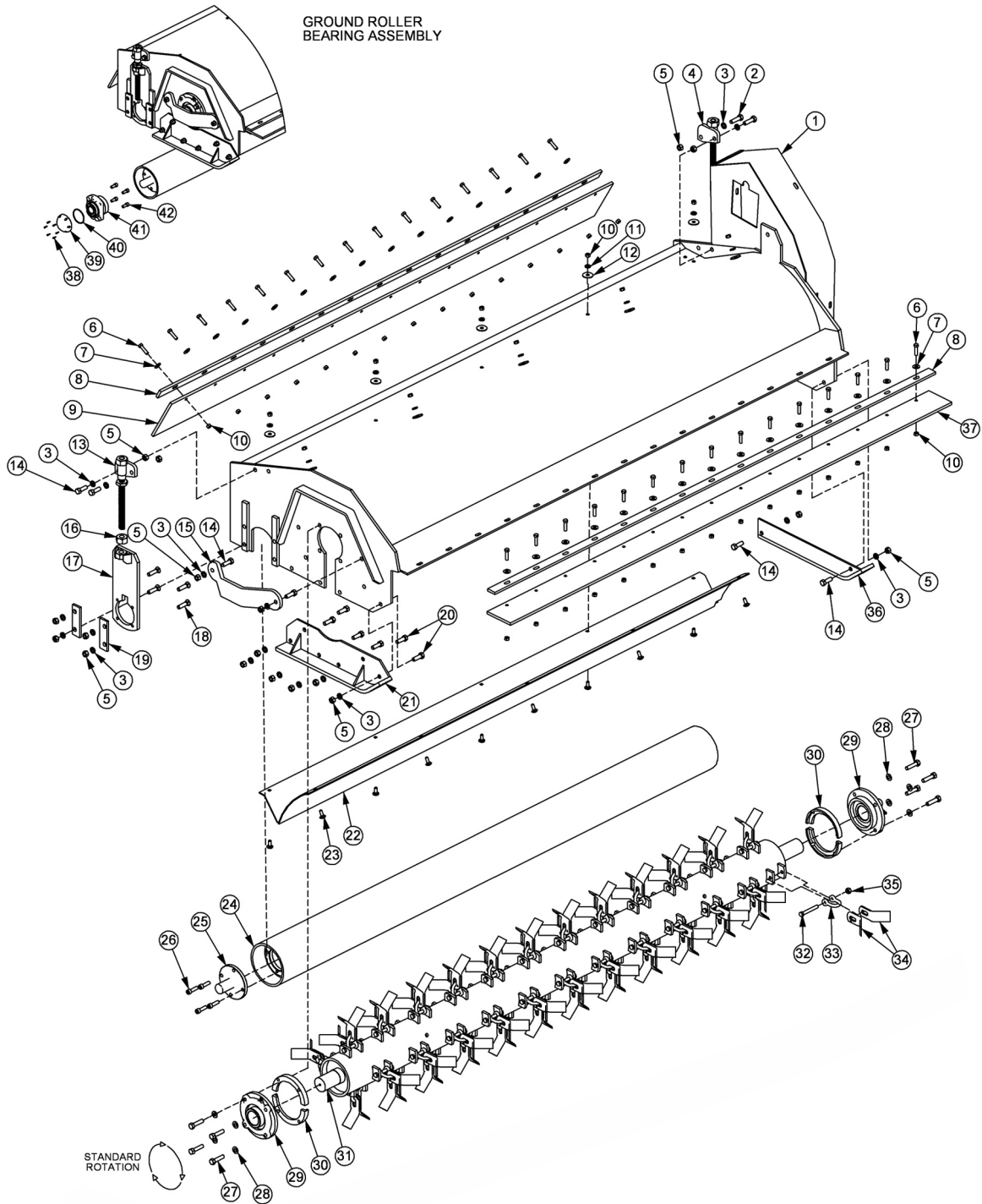
## SUPER DUTY REAR GEAR BOX ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30133	1	CASING
2	30134	1	CROWNWHEEL Z30
3	30135	2	PARALLEL KEY
4	28604	1	BEARING 30208
5	30136	2	OIL SEAL 40 X 62 X 7
6	30137	1	SHAFT
7	28603	2	SHIM
8	30138	1	PLUG
9	30139	1	BEARING 30207
10	30140	1	SPACER
11	30141	1	BEARING 6207
12	30142	1	INTERNAL CIRCLIP 72
13	30143	1	EXTERNAL CIRCLIP 35
14	30144	2	OIL SEAL 35 X 72 X 10
15	30145	1	SHIM
16	30146	1	SHIM
17	30147	1	PINION Z10
18	30148	1	COVER
19	30149	6	HEX BOLT M8 X 22
20	30150	6	WASHER
21	30151	1	SEAL
22	30152	1	PLUG
23	30153	1	OIL FILLER PLUG
24	30154	1	BEARING 6208

COMMON TRIPLE

# EXTREME DUTY 75IN REAR FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33036	-	75" REAR FLAIL ASSY,HD,STD ROT
1	22043J	1	BONNET,75",HD
2	21732	2	CAPSCREW,1/2" X 1-3/4",NC
3	21990	22	LOCKWASHER,1/2"

COMMON TRIPLE



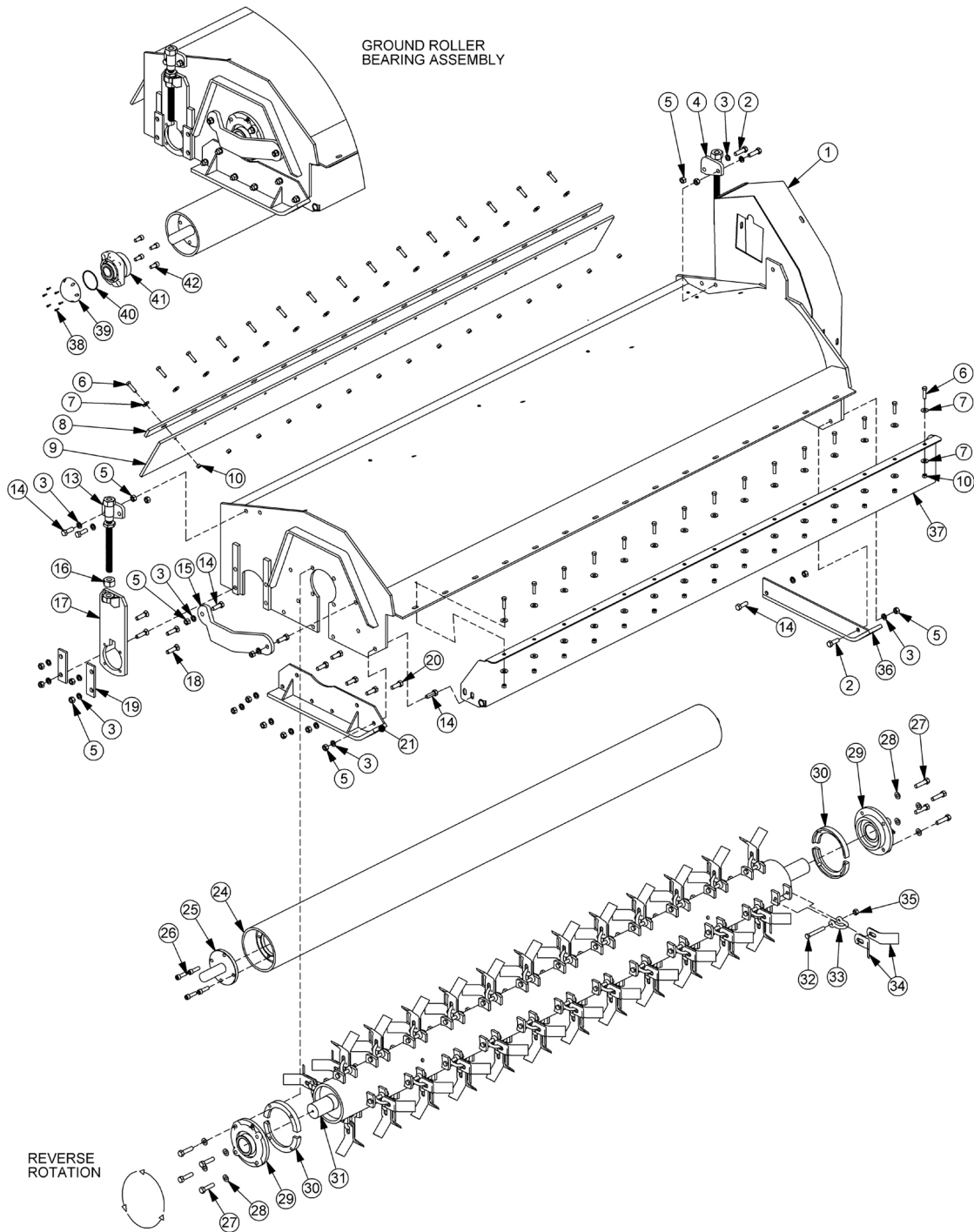
**EXTREME DUTY 75IN REAR FLAIL - STD ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	26	CAPSCREW,3/8" X 1-1/2",NC
7	22016	26	FLATWASHER,3/8"
8	TF1029	2	BAR,FLAP,TSF/TRF,75"
9	TF1016	1	FLAP,DEFLECTOR,TSF/TRF,75"
10	21625	36	HEX NUT,3/8",NC
11	21988	10	LOCKWASHER,3/8"
12	6T2615	10	WASHER,FENDER,3/8"
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW, 1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	6	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
22	TF1402A	1	BAFFLE,FLAIL,75",HD
23	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
24	28738	1	GROUND ROLLER,75"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW, 7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1002A	-	CUTTERSHAFT ASSY,75IN
31	TF1002	1	CUTTERSHAFT,75IN
32	30411	40	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	40	KNIFE MTG CLEVIS,FLAIL
34	33714	80	KNIFE,FLAIL,STANDARD CUT
35	21677	40	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	06520242	1	FLAP,FRONT,75"
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 75IN REAR FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33038	-	REAR FLAIL,75IN,ASSY (STANDARD CUT)
----	33040	-	REAR FLAIL,75IN,ASSY (SMOOTH CUT)
1	22043J	1	BONNET,75",HD
2	21732	3	CAPSCREW,1/2" X 1-3/4",NC

COMMON TRIPLE

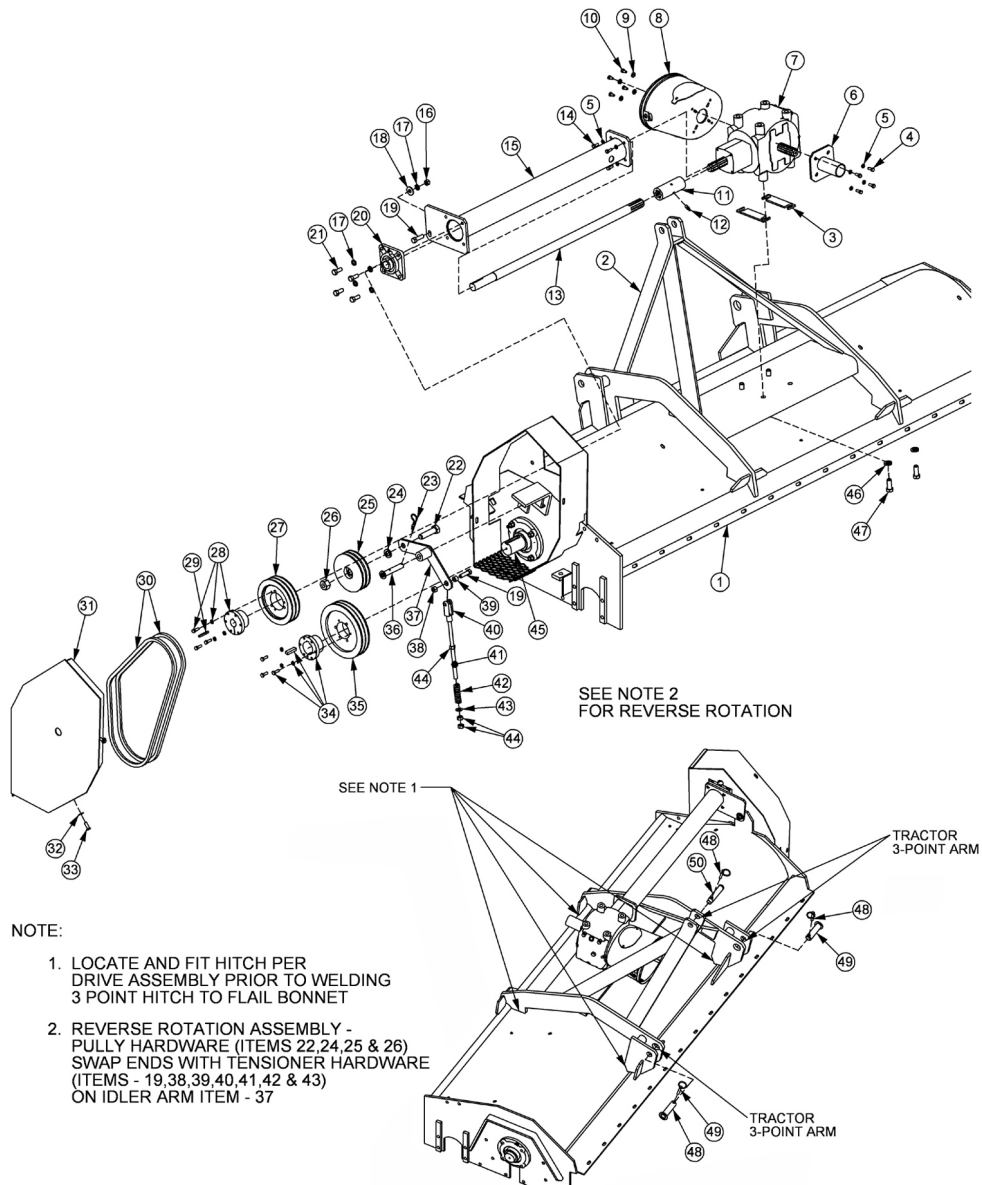
## EXTREME DUTY 75IN REAR FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
3	21990	22	LOCKWASHER,1/2"
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	26	CAPSCREW,3/8" X 1-1/2",NC
7	22016	39	FLATWASHER,3/8"
8	TF1029	1	BAR,FLAP,TSF/TRF,75"
9	TF1016	1	FLAP,DEFLECTOR,TSF/TRF,75"
10	21625	36	HEX NUT,3/8",NC
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW, 1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	5	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
24	28738	1	GROUND ROLLER,75"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW, 7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1002A	-	CUTTERSHAFT,ASSY,75IN (STANDARD CUT) (ITEMS 31, 32, 33, 34 & 35)
----	TF1002B	-	CUTTERSHAFT,ASSY,75IN (SMOOTH CUT) (ITEMS 31, 32, 33, 34 & 35)
31	TF1002	1	CUTTERSHAFT,75",HD
32	30411	40	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	40	KNIFE MTG CLEVIS,FLAIL
34	33714	80	KNIFE,FLAIL,STANDARD CUT
34A	TF1019F	40	KNIFE,FLAIL,SMOOTH CUT (NOT SHOWN)
35	21677	40	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	TF1403	1	FRONT TRASH GUARD
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 75IN REAR FLAIL DRIVE ASSY



**NOTE:**

1. LOCATE AND FIT HITCH PER DRIVE ASSEMBLY PRIOR TO WELDING 3 POINT HITCH TO FLAIL BONNET
2. REVERSE ROTATION ASSEMBLY - PULLY HARDWARE (ITEMS 22,24,25 & 26) SWAP ENDS WITH TENSIONER HARDWARE (ITEMS - 19,38,39,40,41,42 & 43) ON IDLER ARM ITEM - 37

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BONNET *REFER TO CUTTER ASSY
2	31279A	1	HITCH,3-POINT
3	40454	2	SPACER
4	27508	4	CAPSCREW,8MM X 20MM(1.25)
5	6T2619	8	LOCKWASHER,8MM
6	28447E	1	GUARD,OUTPUT SHAFT
7	28505	1	GEARBOX,REAR FLAIL,COMER T22A
8	06520181	1	GUARD,PTO,GRBX
9	34948	4	FLATWASHER,8MM
10	27507	4	CAPSCREW,8MM X 15MM(1.25)
11	28914	1	COUPLING,6 SPLINE

COMMON TRIPLE

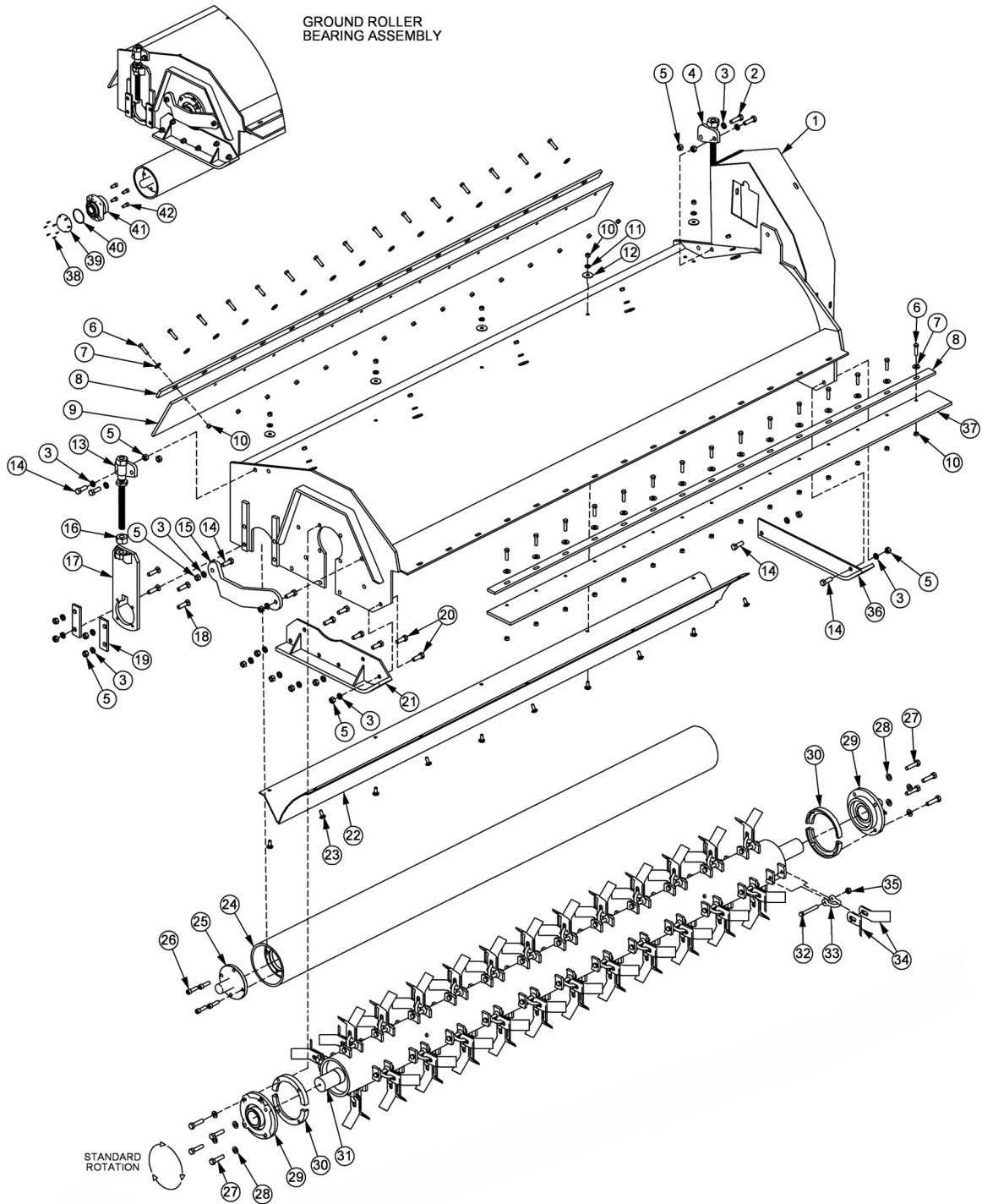
## EXTREME DUTY 75IN REAR FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
12	6T3209	1	GREASE ZERK,1/4" DRIVE
13	28414A	1	OUTPUT EXTENSION SHAFT,75"RCM
---	28416B	-	OUTPUT EXTENSION SHAFT,75"OFF
14	30162	4	CAPSCREW,SKT HD,8MM X 20MM(1.25)
15	28422A	1	SHAFT GRD,HD,75"RCM
---	28424B	-	SHAFT GRD,HD,75"OFF
16	21725	1	HEX NUT,1/2",NC
17	21990	5	LOCKWASHER,1/2"
18	22018	1	FLATWASHER,1/2",WIDE
19	21732	2	CAPSCREW,1/2" X 1-3/4",NC
20	28571	1	BEARING,FLANGE,1-1/4"
21	21730	4	CAPSCREW,1/2" X 1-1/4",NC
22	28399	1	CAPSCREW,20MM X 80MM(2.5),GR10.9
23	6T3004	1	R-CLIP,HAIRPIN COTTER,3/16"
24	24881	1	LOCKWASHER,20MM
25	31295	1	SHEAVE,IDLER ASSY,6.3"
26	31740	1	NYLOCK NUT,20MM(2.5)
27	TF3043	1	SHEAVE,7.5"
28	30049	2	BUSHING,QD,SK 1-1/4",1/4" KEY
29	28572	1	KEY,1/4"SQ X 2"
30	TF3023	2	V-BELT(630)
31	31286A	1	SHIELD,BELT
32	21988	4	LOCKWASHER,3/8"
33	21630	4	CAPSCREW,3/8" X 1",NC
34	TF3011	1	BUSHING,QD,SK 2-3/16"
35	28570	1	SHEAVE,9.0"
36	TF3605	1	PIN,IDLER ARM
37	TF1180	1	IDLER ARM
38	6T2418	1	HEX NUT,1/2",NC,GR8(STOVER)
39	TF3610	1	BUSHING,IDLER
40	PT3611A	1	CLEVIS
41	32482	1	ROD,THREADED,1/2-20,NF,12-1/2"
42	TF3620A	1	SPRING,TENSIONER
43	27938	1	BUSHING,MACH,14GA
44	21700	3	HEX NUT,1/2",NF
45	-----	1	CUTTERSHAFT *REFER TO CUTTER ASSY
46	6T2625	4	LOCKWASHER,16MM
47	22421	4	CAPSCREW,16MM X 40MM(2.0),GR10.9
48	TF1143	3	LYNCH PIN
49	TF1120	2	PIN,CAPPED
50	TB1036	1	PIN

COMMON TRIPLE

# EXTREME DUTY 90IN REAR FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33002	-	REAR FLAIL ASSY,90IN
1	22044J	1	BONNET,90",HD
2	21732	2	CAPSCREW,1/2" X 1-3/4",NC
3	21990	22	LOCKWASHER,1/2"

COMMON TRIPLE

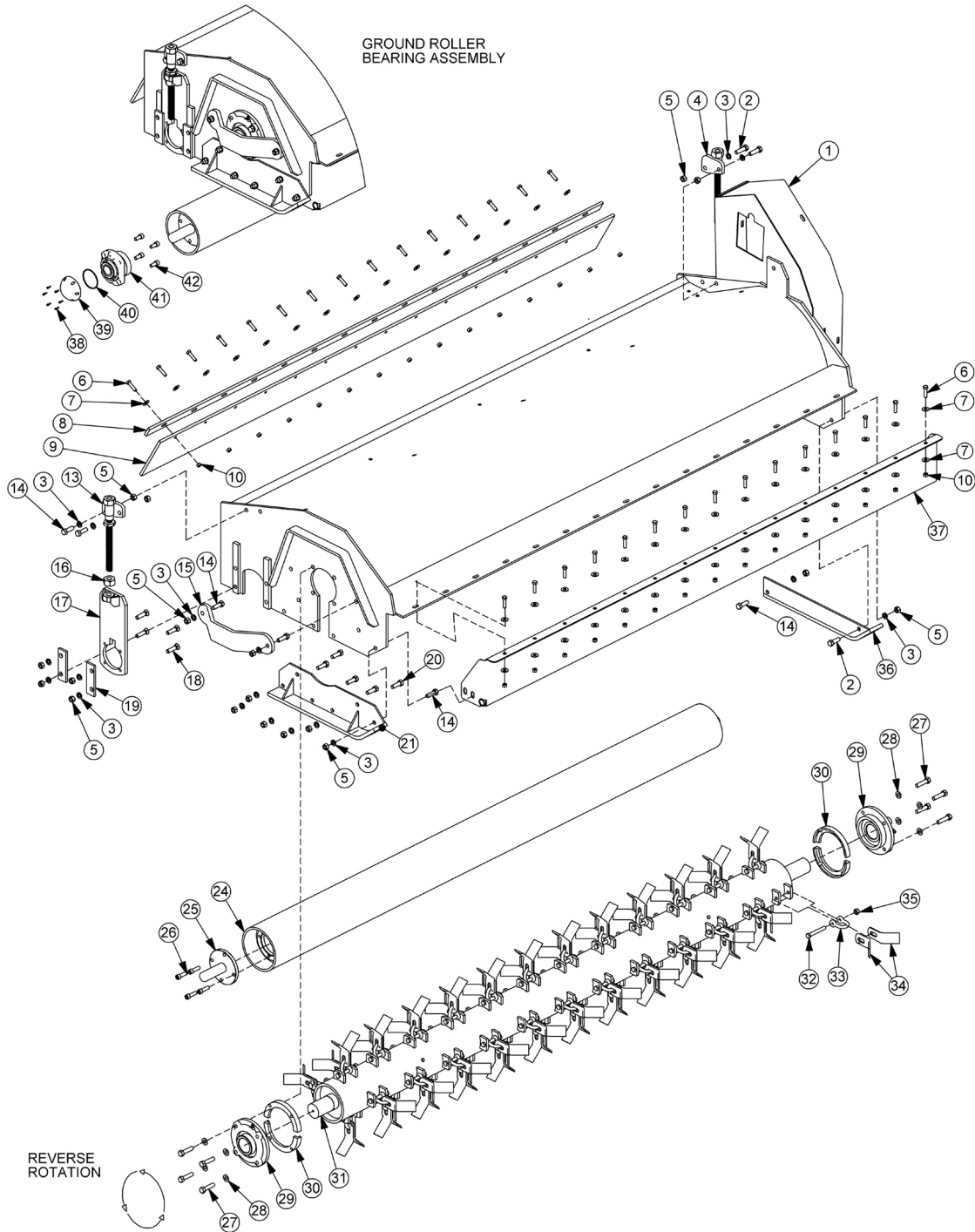
## EXTREME DUTY 90IN REAR FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	30	CAPSCREW,3/8" X 1-1/2",NC
7	22016	30	FLATWASHER,3/8"
8	TF1135	2	BAR,FLAP,TSF/TRF,90"
9	TF1116	1	FLAP,DEFLECTOR,TSF/TRF,90"
10	21625	40	HEX NUT,3/8",NC
11	21988	10	LOCKWASHER,3/8"
12	6T2615	10	WASHER,FENDER,3/8"
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	6	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
22	TF1502A	1	BAFFLE,FLAIL,90",HD
23	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
24	27972A	1	GROUND ROLLER,90"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW, 7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1102A	-	CUTTERSHAFT ASSY,90IN
31	TF1102	1	CUTTERSHAFT,90"
32	30411	48	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	48	KNIFE MTG CLEVIS,FLAIL
34	33714	96	KNIFE,FLAIL,STANDARD CUT
35	21677	48	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	06520243	1	FLAP,FRONT,90"
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 90IN REAR FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33009	-	90IN REAR FLAIL ASSY (STANDARD CUT)
----	33011	-	90IN REAR FLAIL ASSY (SMOOTH CUT)
1	22044J	1	BONNET,90"
2	21732	3	CAPSCREW,1/2" X 1-3/4",NC

COMMON TRIPLE



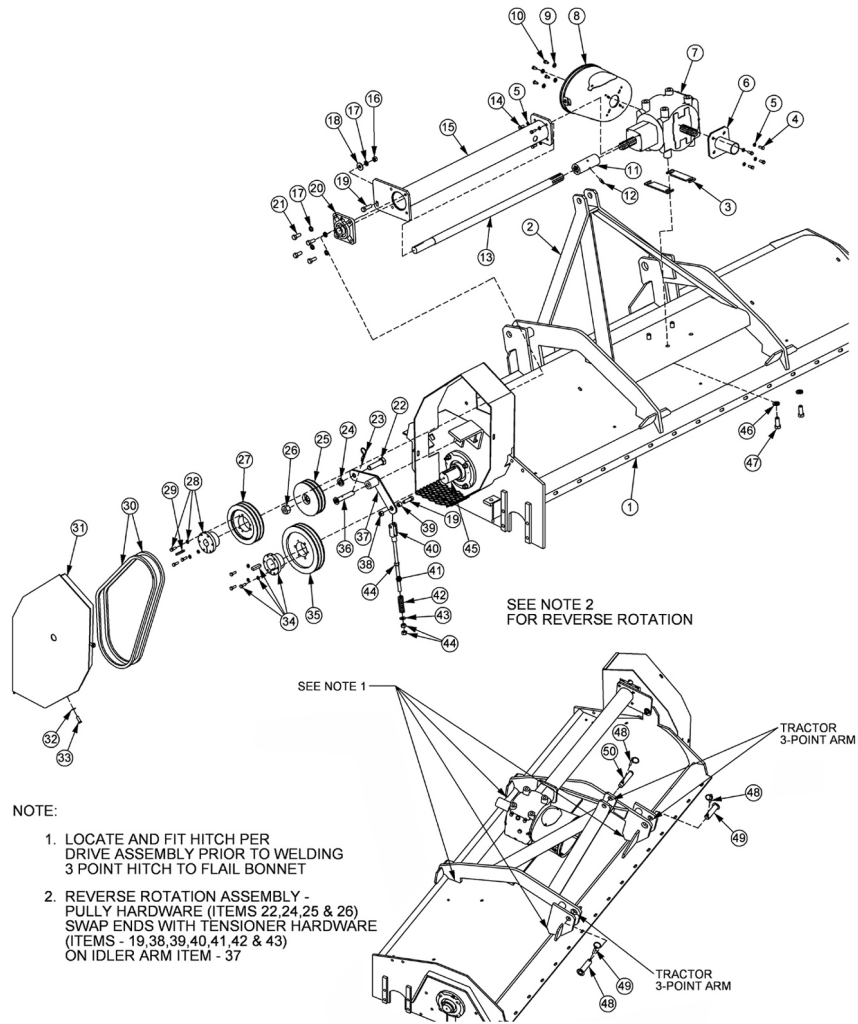
## EXTREME DUTY 90IN REAR FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
3	21990	22	LOCKWASHER,1/2"
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	30	CAPSCREW,3/8" X 1-1/2",NC
7	22016	45	FLATWASHER,3/8"
8	TF1135	1	BAR,FLAP,TSF/TRF,90"
9	TF1116	1	FLAP,DEFLECTOR,TSF/TRF,90"
10	21625	40	HEX NUT,3/8",NC
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	5	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
24	27972A	1	GROUND ROLLER,90"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW,7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD
---	TF1102A	-	CUTTERSHAFT ASSY (STANDARD CUT) (ITEMS 31, 32, 33, 34 & 35)
----	TF1102B	-	CUTTERSHAFT ASSY (SMOOTH CUT) (ITEMS 31, 32, 33, 34A & 35)
31	TF1102	1	CUTTERSHAFT,90"
32	30411	48	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	48	KNIFE MTG CLEVIS,FLAIL
34	33714	96	KNIFE,FLAIL,STANDARD CUT
34A	TF1019F	48	KNIFE,FLAIL,SMOOTH CUT (NOT SHOWN)
35	21677	48	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	TF1503	1	FRONT TRASH GUARD
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 90IN REAR FLAIL DRIVE ASSY



**NOTE:**

1. LOCATE AND FIT HITCH PER DRIVE ASSEMBLY PRIOR TO WELDING 3 POINT HITCH TO FLAIL BONNET
2. REVERSE ROTATION ASSEMBLY - PULLY HARDWARE (ITEMS 22, 24, 25 & 26) SWAP ENDS WITH TENSIONER HARDWARE (ITEMS - 19, 38, 39, 40, 41, 42 & 43) ON IDLER ARM ITEM - 37

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BONNET *REFER TO CUTTER ASSY
2	31279A	1	HITCH,3-POINT
3	40454	2	SPACER
4	27508	4	CAPSCREW,8MM X 20MM(1.25)
5	6T2619	8	LOCKWASHER,8MM
6	28447E	1	GUARD,OUTPUT SHAFT
7	28505	1	GEARBOX,REAR FLAIL,COMER T22A
8	06520181	1	GUARD,PTO,GRBX
9	34948	4	FLATWASHER,8MM
10	27507	4	CAPSCREW,8MM X 15MM(1.25)
11	28914	1	COUPLING,6 SPLINE
12	6T3209	1	GREASE ZERK,1/4" DRIVE
13	28415A	1	OUTPUT EXTENSION SHAFT,90"RCM
---	28416B	-	OUTPUT EXTENSION SHAFT,90"R6F
----	28420B	-	OUTPUT EXTENSION SHAFT,90"OFF

COMMON TRIPLE

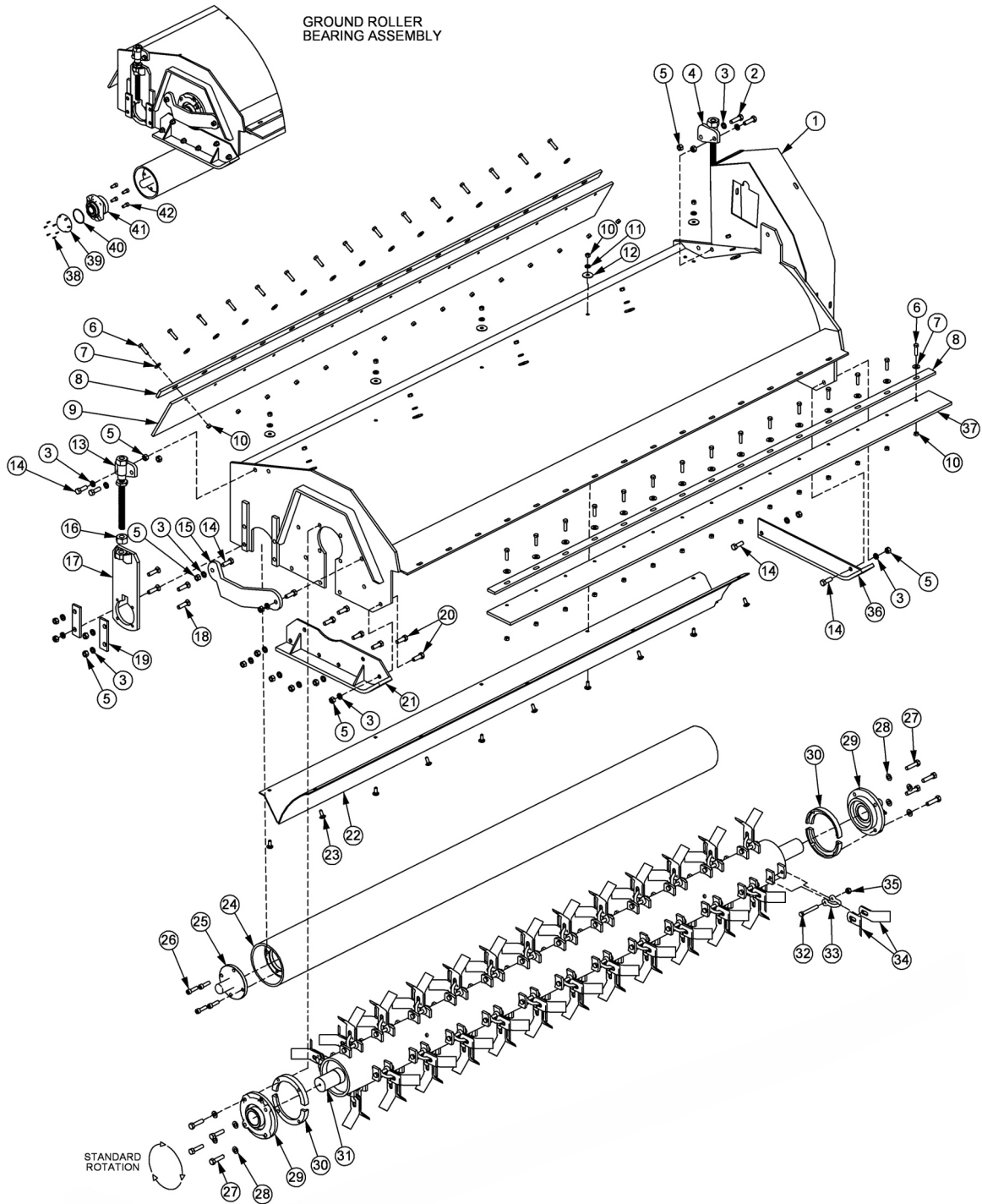
## EXTREME DUTY 90IN REAR FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
14	30162	4	CAPSCREW,SKT HD,8MM X 20MM(1.25)
15	28423A	1	SHAFT GRD,HD,90"RCM
---	28424B	-	SHAFT GRD,HD,90"R6F
----	28428B	-	SHAFT GRD,HD,90"OFF
16	21725	1	HEX NUT,1/2",NC
17	21990	5	LOCKWASHER,1/2"
18	22018	1	FLATWASHER,1/2",WIDE
19	21732	2	CAPSCREW,1/2" X 1-3/4",NC
20	28571	1	BEARING,FLANGE,1-1/4"
21	21730	4	CAPSCREW,1/2" X 1-1/4",NC
22	28399	1	CAPSCREW,20MM X 80MM(2.5),GR10.9
23	6T3004	1	R-CLIP,HAIRPIN COTTER,3/16"
24	24881	1	LOCKWASHER,20MM
25	31295	1	SHEAVE,IDLER ASSY,6.3"
26	31740	1	NYLOCK NUT,20MM(2.5)
27	TF3043	1	SHEAVE,7.5"
28	30049	2	BUSHING,QD,SK 1-1/4",1/4" KEY
29	28572	1	KEY,1/4"SQ X 2"
30	TF3023	2	V-BELT(630)
31	31286A	1	SHIELD,BELT
32	21988	4	LOCKWASHER,3/8"
33	21630	4	CAPSCREW,3/8" X 1",NC
34	TF3011	1	BUSHING,QD,SK 2-3/16"
35	28570	1	SHEAVE,9.0"
36	TF3605	1	PIN,IDLER ARM
37	TF1180	1	IDLER ARM
38	6T2418	1	HEX NUT,1/2",NC,GR8(STOVER)
39	TF3610	1	BUSHING,IDLER
40	PT3611A	1	CLEVIS
41	32482	1	ROD,THREADED,1/2-20,NF,12-1/2"
42	TF3620A	1	SPRING,TENSIONER
43	27938	1	BUSHING,MACH,14GA
44	21700	3	HEX NUT,1/2",NF
45	-----	1	CUTTERSHAFT *REFER TO CUTTER ASSY
46	6T2625	4	LOCKWASHER,16MM
47	22421	4	CAPSCREW,16MM X 40MM(2.0),GR10.9
48	TF1143	3	LYNCH PIN
49	TF1120	2	PIN,CAPPED
50	TB1036	1	PIN

COMMON TRIPLE

# EXTREME DUTY 96IN REAR FLAIL - STD ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33005	-	REAR FLAIL ASSY,96IN
1	22045J	1	BONNET,96"
2	21732	2	CAPSCREW,1/2" X 1-3/4",NC
3	21990	22	LOCKWASHER,1/2"

COMMON TRIPLE

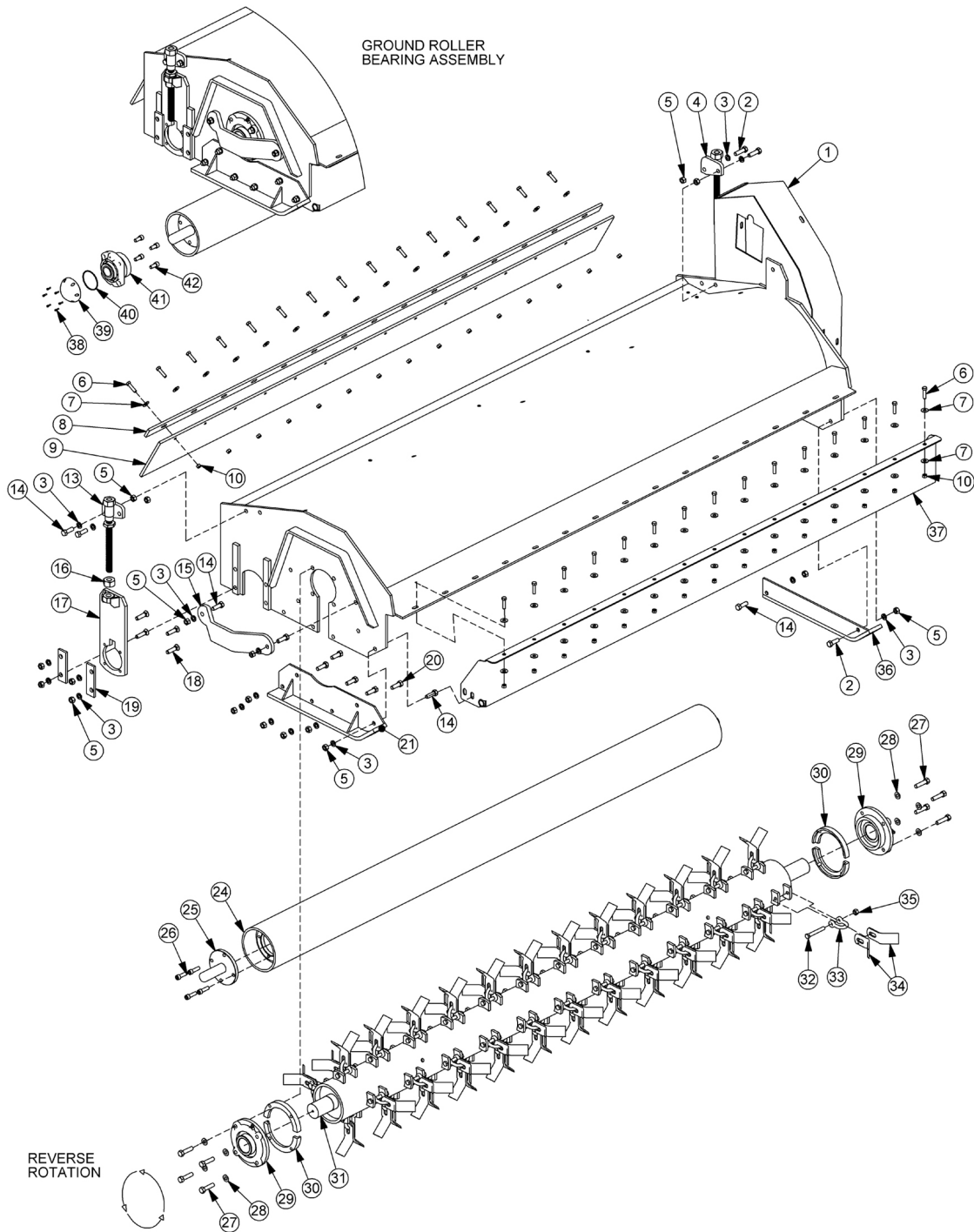
## EXTREME DUTY 96IN REAR FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	34	CAPSCREW,3/8" X 1-1/2",NC
7	22016	34	FLATWASHER,3/8"
8	TF1606	2	BAR,FLAP,TSF/TRF,96"
9	TF1605	1	FLAP,DEFLECTOR,TSF/TRF,96"
10	21625	44	HEX NUT,3/8",NC
11	21988	10	LOCKWASHER,3/8"
12	6T2615	10	WASHER,FENDER,3/8"
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	6	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
22	TF1607	1	BAFFLE,FLAIL,96",HD
23	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
24	TF1603	1	GROUND ROLLER,96"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW,7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1602A	-	CUTTERSHAFT ASSY,96IN
31	TF1602B	1	CUTTERSHAFT,96"
32	30411	52	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	52	KNIFE MTG CLEVIS,FLAIL
34	33714	104	KNIFE,FLAIL,STANDARD CUT
35	21677	52	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	06520244	1	FLAP,FRONT,96"
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 96IN REAR FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33007	-	96IN REAR FLAIL ASSY (STANDARD CUT)
----	33013	-	96IN REAR FLAIL ASSY (SMOOTH CUT)
1	22045J	1	BONNET,96"
2	21732	3	CAPSCREW,1/2" X 1-3/4",NC

COMMON TRIPLE

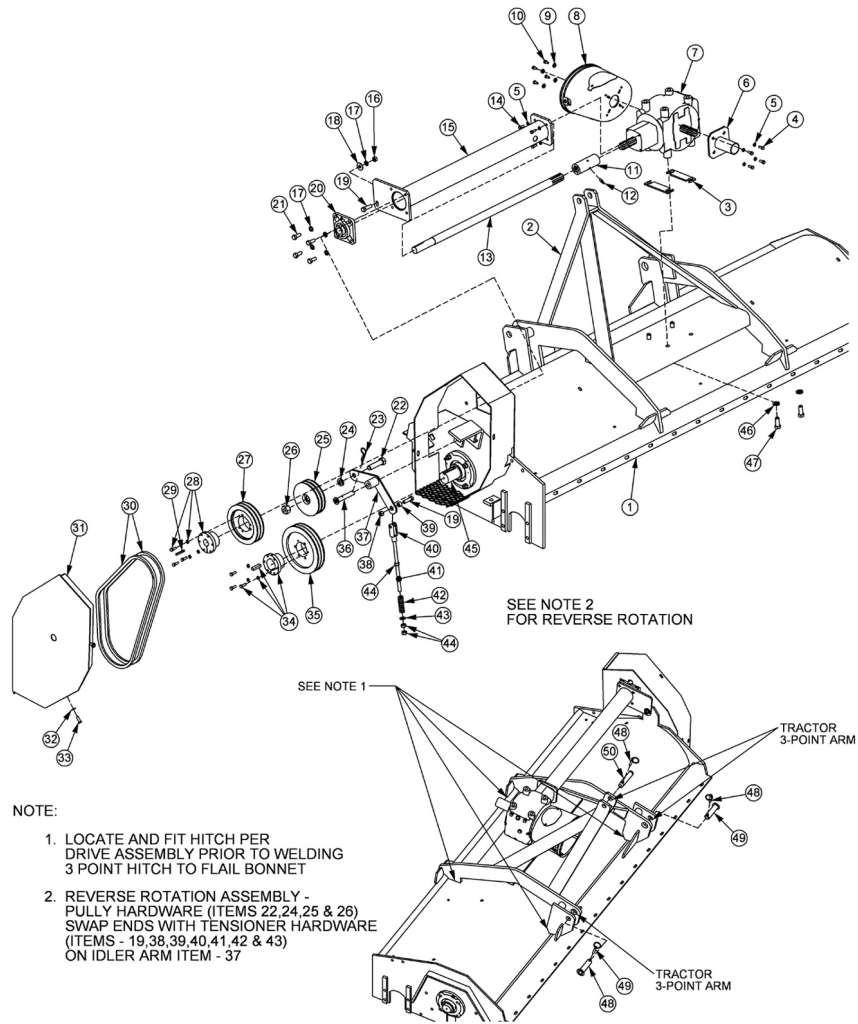
## EXTREME DUTY 96IN REAR FLAIL - REV ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
3	21990	22	LOCKWASHER,1/2"
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	34	CAPSCREW,3/8" X 1-1/2",NC
7	22016	51	FLATWASHER,3/8"
8	TF1606	1	BAR,FLAP,TSF/TRF,96"
9	TF1605	1	FLAP,DEFLECTOR,TSF/TRF,96"
10	21625	44	HEX NUT,3/8",NC
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	5	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
24	TF1603	1	GROUND ROLLER,96"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW,7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 37, 38 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1602A	-	CUTTERSHAFT ASSY (STANDARD CUT) (ITEMS 31, 32, 33, 34 & 35)
----	TF1602B	-	CUTTERSHAFT ASSY (SMOOTH CUT) (ITEMS 31, 32, 33, 34A & 35)
31	TF1602B	1	CUTTERSHAFT,96"
32	30411	52	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	52	KNIFE MTG CLEVIS,FLAIL
34	33714	104	KNIFE,FLAIL,STANDARD CUT
34A	TF1019F	52	KNIFE,FLAIL,SMOOTH CUT (NOT SHOWN)
35	21677	52	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	TF1608	1	FLAP TRASH GUARD
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 96IN REAR FLAIL DRIVE ASSY



**NOTE:**

1. LOCATE AND FIT HITCH PER DRIVE ASSEMBLY PRIOR TO WELDING 3 POINT HITCH TO FLAIL BONNET
2. REVERSE ROTATION ASSEMBLY - PULLY HARDWARE (ITEMS 22,24,25 & 26) SWAP ENDS WITH TENSIONER HARDWARE (ITEMS - 19,38,39,40,41,42 & 43) ON IDLER ARM ITEM - 37

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BONNET *REFER TO CUTTER ASSY
2	31279A	1	HITCH,3-POINT
3	40454	2	SPACER
4	27508	4	CAPSCREW,8MM X 20MM(1.25)
5	6T2619	8	LOCKWASHER,8MM
6	28447E	1	GUARD,OUTPUT SHAFT
7	28505	1	GEARBOX,REAR FLAIL,COMER T22A
8	06520181	1	GUARD,PTO,GRBX
9	34948	4	FLATWASHER,8MM
10	27507	4	CAPSCREW,8MM X 15MM(1.25)
11	28914	1	COUPLING,6 SPLINE
12	6T3209	1	GREASE ZERK,1/4" DRIVE
13	28418A	1	OUTPUT EXTENSION SHAFT,96"RCM
---	28420B	-	OUTPUT EXTENSION SHAFT,96"R6F
	28416B	-	OUTPUT EXTENSION SHAFT,96"RXF

COMMON TRIPLE



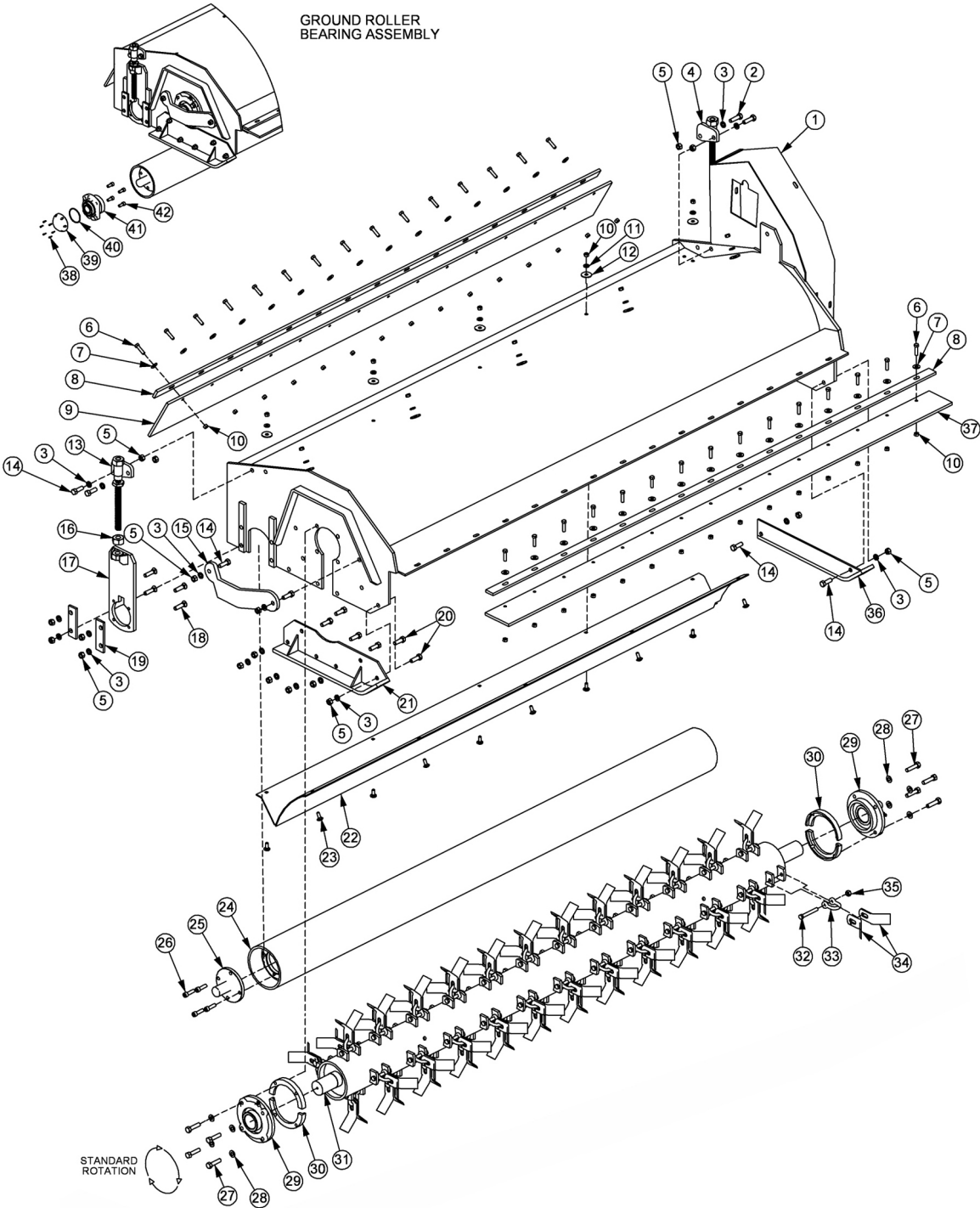
## EXTREME DUTY 96IN REAR FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	28419B	-	OUTPUT EXTENSION SHAFT,96"OFF
14	30162	4	CAPSCREW,SKT HD,8MMX20MM(1.25)
15	28426A	1	SHAFT GRD,HD,96"RCM
---	28428B	-	SHAFT GRD,HD,96"R6F
	28424B	-	SHAFT GRD,HD,96"RXF
	28427B	-	SHAFT GRD,HD,96"OFF
16	21725	1	HEX NUT,1/2",NC
17	21990	5	LOCKWASHER,1/2"
18	22018	1	FLATWASHER,1/2",WIDE
19	21732	2	CAPSCREW,1/2" X 1-3/4",NC
20	28571	1	BEARING,FLANGE,1-1/4"
21	21730	4	CAPSCREW,1/2" X 1-1/4",NC
22	28399	1	CAPSCREW,20MM X 80MM(2.5),GR10.9
23	6T3004	1	R-CLIP,HAIRPIN COTTER,3/16"
24	24881	1	LOCKWASHER,20MM
25	31295	1	SHEAVE,IDLER ASSY,6.3"
26	31740	1	NYLOCK NUT,20MM(2.5)
27	TF3043	1	SHEAVE,7.5"
28	30049	2	BUSHING,QD,SK 1-1/4",1/4" KEY
29	28572	1	KEY,1/4"SQ X 2"
30	TF3023	2	V-BELT(630)
31	31286A	1	SHIELD,BELT
32	21988	4	LOCKWASHER,3/8"
33	21630	4	CAPSCREW,3/8" X 1",NC
34	TF3011	1	BUSHING,QD,SK 2-3/16"
35	28570	1	SHEAVE,9.0"
36	TF3605	1	PIN,IDLER ARM
37	TF1180	1	IDLER ARM
38	6T2418	1	HEX NUT,1/2",NC,GR8(STOVER)
39	TF3610	1	BUSHING,IDLER
40	PT3611A	1	CLEVIS
41	32482	1	ROD,THREADED,1/2-20,NF,12-1/2"
42	TF3620A	1	SPRING,TENSIONER
43	27938	1	BUSHING,MACH,14GA
44	21700	3	HEX NUT,1/2",NF
45	-----	1	CUTTERSHAFT *REFER TO CUTTER ASSY
46	6T2625	4	LOCKWASHER,16MM
47	22421	4	CAPSCREW,16MM X 40MM(2.0),GR10.9
48	TF1143	3	LYNCH PIN
49	TF1120	2	PIN,CAPPED
50	TB1036	1	PIN

COMMON TRIPLE

**EXTREME DUTY 102IN REAR FLAIL - STD ROT**



ITEM	PART NO.	QTY.	DESCRIPTION
---	33027	-	REAR FLAIL ASSY,102IN
1	22046J	1	BONNET,102"
2	21732	2	CAPSCREW,1/2" X 1-3/4",NC
3	21990	22	LOCKWASHER,1/2"

COMMON TRIPLE

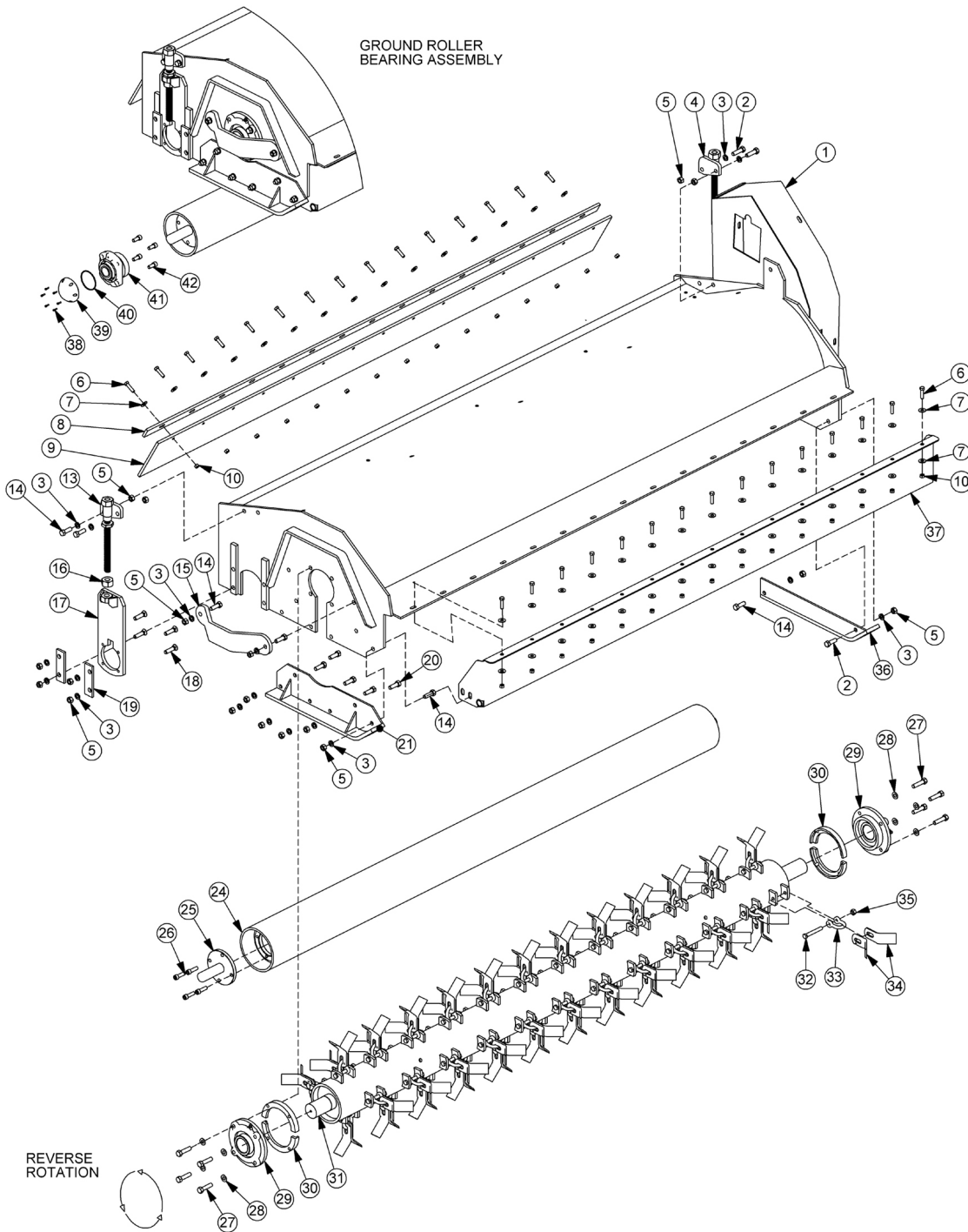
## EXTREME DUTY 102IN REAR FLAIL - STD ROT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	36	CAPSCREW,3/8" X 1-1/2",NC
7	22016	36	FLATWASHER,3/8"
8	TF1703	2	BAR,FLAP,TSF/TRF,102"
9	TF1704A	1	FLAP,DEFLECTOR,TSF/TRF,102"
10	21625	46	HEX NUT,3/8",NC
11	21988	10	LOCKWASHER,3/8"
12	6T2615	10	WASHER,FENDER,3/8"
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	6	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
22	TF1702	1	BAFFLE,FLAIL,102",HD
23	6T2283	10	CARRIAGE BOLT,3/8" X 1",NC
24	28999	1	GROUND ROLLER,102"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW,7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD,HD
---	TF1707A	-	CUTTERSHAFT ASSY,102"
31	TF1707	1	CUTTERSHAFT,102"
32	30411	56	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	56	KNIFE MTG CLEVIS,FLAIL
34	33714	112	KNIFE,FLAIL,STANDARD CUT
35	21677	56	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	06520245	1	FLAP,FRONT,102"
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 102IN REAR FLAIL - REV ROT



ITEM	PART NO.	QTY.	DESCRIPTION
---	33030	-	102IN REAR FLAIL ASSY (STANDARD CUT)
----	33033	-	102IN REAR FLAIL ASSY (SMOOTH CUT)
1	22046J	1	BONNET,102"
2	21732	3	CAPSCREW,1/2" X 1-3/4",NC

COMMON TRIPLE

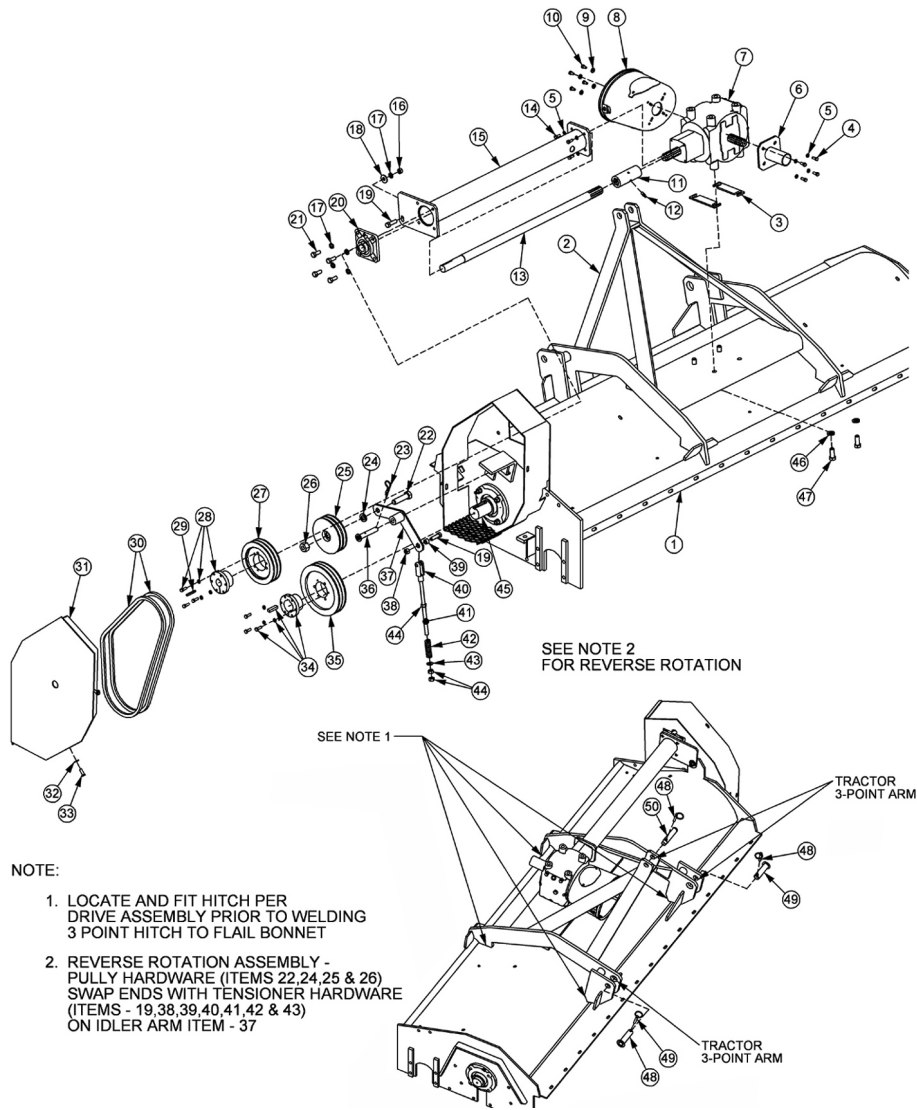
**EXTREME DUTY 102IN REAR FLAIL - REV ROT**

**Continued...**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
3	21990	22	LOCKWASHER,1/2"
4	TF4335	1	ROD,GROUND ROLLER ADJ,LF
5	21725	22	HEX NUT,1/2",NC
6	21632	36	CAPSCREW,3/8" X 1-1/2",NC
7	22016	51	FLATWASHER,3/8"
8	TF1703	1	BAR,FLAP,TSF/TRF,102"
9	TF1704A	1	FLAP,DEFLECTOR,TSF/TRF,102"
10	21625	46	HEX NUT,3/8",NC
13	TF4334	1	ROD,GROUND ROLLER ADJ,RT
14	21731	6	CAPSCREW,1/2" X 1-1/2",NC
15	TF1040	1	GUARD,CUTTERSHAFT
16	21399	2	HEX NUT,3/4",ACME THRD
17	TF4333A	2	GROUND ROLLER ADJ BRKT
18	6T2294	8	PLOW BOLT,1/2" X 2",NC
19	TF4336	4	PLATE,GROUND ROLLER LOCK
20	21730	5	CAPSCREW,1/2" X 1-1/4",NC
21	TF4371	1	SKID SHOE,L/PROFILE-OUTER
24	28999	1	GROUND ROLLER,102"
25	TF1045B	2	GRND ROLLER STUB SHAFT
26	6T2330	8	CAPSCREW,7/16" X 1-1/2", SKT HD
---	06200347	-	KIT,STRING GUARD (ITEMS 27, 28 & 30)
27	06530217	8	CAPSCREW,1/2" X 2",NC,L9
28	06533006	8	FLATWASHER,1/2",SAE,L9
29	TF1018	2	BEARING,FLANGE,2-3/16"
30	31204	2	STRING GUARD
---	TF1707A	-	CUTTERSHAFT ASSY (STANDARD CUT) (ITEMS 31, 32, 33, 34 & 35)
----	TF1707B	-	CUTTERSHAFT ASSY (SMOOTH CUT) (ITEMS 31, 32, 33, 34A & 35)
31	TF1707	1	CUTTERSHAFT,102"
32	30411	56	KNIFE MOUNTING BOLT,FLAIL
33	TF1020	56	KNIFE MTG CLEVIS,FLAIL
34	33714	112	KNIFE,FLAIL,STANDARD CUT
34A	TF1019F	56	KNIFE,FLAIL,SMOOTH CUT (NOT SHOWN)
35	21677	56	NYLOCK NUT,7/16",NC
36	TF4365	1	SKID SHOE,L/PROFILE-INNER
37	TF1701	1	FRONT TRASH GUARD
38	06530001	12	CAPSCREW,SKT HD
39	06520027	2	CAP,BEARING
40	06520029	2	O-RING,2-3/4" X 3/32"
41	06520028	2	BEARING,FLANGE,1-3/8"
42	6T2331	8	CAPSCREW,7/16" X 1",SKT HD

COMMON TRIPLE

# EXTREME DUTY 102IN REAR FLAIL DRIVE ASSY



**NOTE:**

1. LOCATE AND FIT HITCH PER DRIVE ASSEMBLY PRIOR TO WELDING 3 POINT HITCH TO FLAIL BONNET
2. REVERSE ROTATION ASSEMBLY - PULLY HARDWARE (ITEMS 22,24,25 & 26) SWAP ENDS WITH TENSIONER HARDWARE (ITEMS - 19,38,39,40,41,42 & 43) ON IDLER ARM ITEM - 37

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BONNET *REFER TO CUTTER ASSY
2	31279A	1	HITCH,3-POINT
3	40454	2	SPACER
4	27508	4	CAPSCREW,8MM X 20MM(1.25)
5	6T2619	8	LOCKWASHER,8MM
6	28447E	1	GUARD,OUTPUT SHAFT
7	28505	1	GEARBOX,REAR FLAIL,COMER T22A
8	06520181	1	GUARD,PTO,GRBX
9	34948	4	FLATWASHER,8MM
10	27507	4	CAPSCREW,8MM X 15MM(1.25)
11	28914	1	COUPLING,6 SPLINE
12	6T3209	1	GREASE ZERK,1/4" DRIVE
13	28421A	1	OUTPUT EXTENSION SHAFT,102"RCM

COMMON TRIPLE

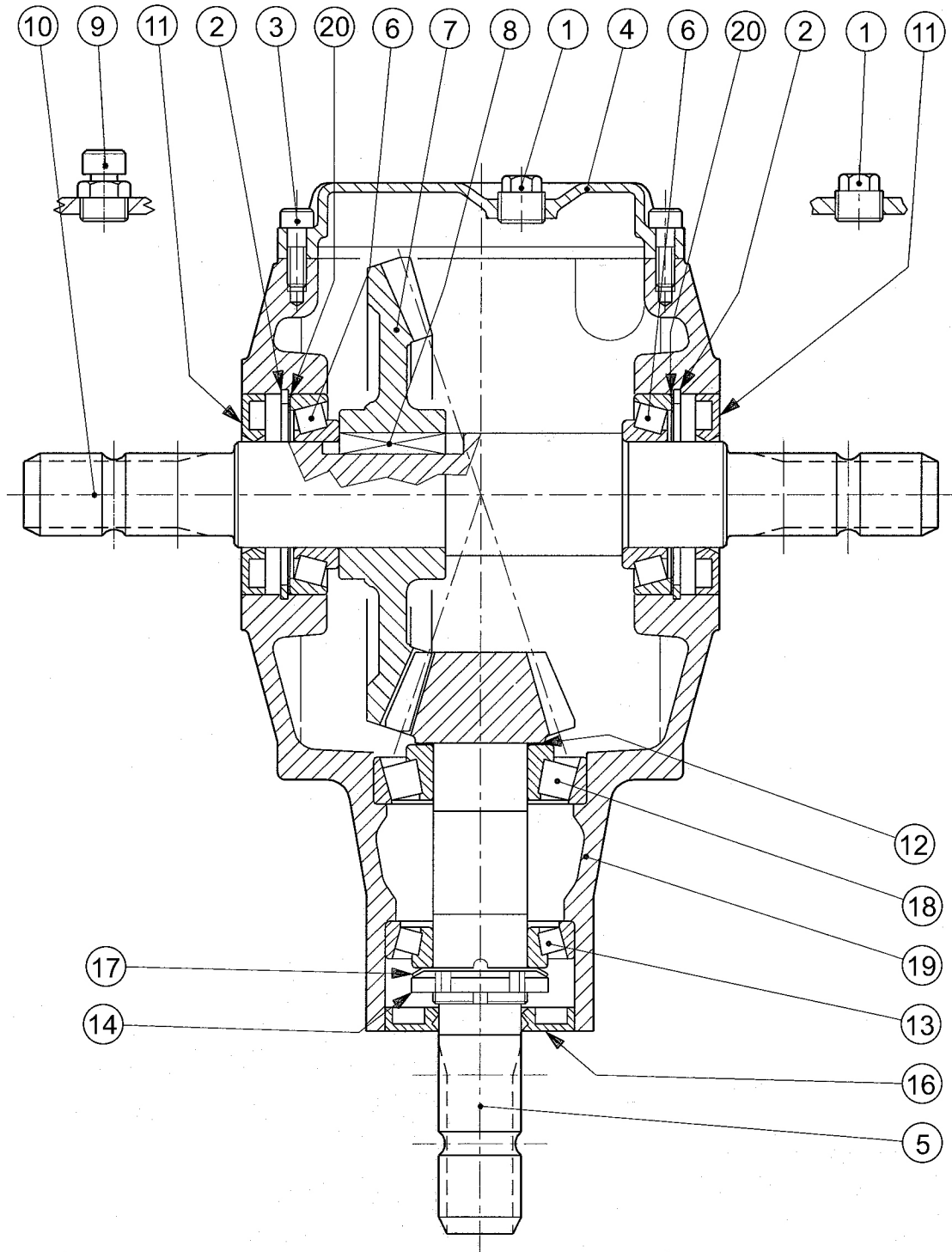
## EXTREME DUTY 102IN REAR FLAIL DRIVE ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	28417B	-	OUTPUT EXTENSION SHAFT,102"R6F
----	28419B	-	OUTPUT EXTENSION SHAFT,102"OFF
14	30162	4	CAPSCREW,SKT HD,8MM X 20MM(1.25)
15	28429A	1	SHAFT GRD,HD,102"RCM
---	28425B	-	SHAFT GRD,HD,102"R6F
----	28427B	-	SHAFT GRD,HD,102"ROFF
16	21725	1	HEX NUT,1/2",NC
17	21990	5	LOCKWASHER,1/2"
18	22018	1	FLATWASHER,1/2",WIDE
19	21732	2	CAPSCREW,1/2" X 1-3/4",NC
20	28571	1	BEARING,FLANGE,1-1/4"
21	21730	4	CAPSCREW,1/2" X 1-1/4",NC
22	28399	1	CAPSCREW,20MM X 80MM(2.5),GR10.9
23	6T3004	1	R-CLIP,HAIRPIN COTTER,3/16"
24	24881	1	LOCKWASHER,20MM
25	31295	1	SHEAVE,IDLER ASSY,6.3"
26	31740	1	NYLOCK NUT,20MM(2.5)
27	TF3043	1	SHEAVE,7.5"
28	30049	2	BUSHING,QD,SK 1-1/4",1/4" KEY
29	28572	1	KEY,1/4"SQ X 2"
30	TF3023	2	V-BELT(630)
31	31286A	1	SHIELD,BELT
32	21988	4	LOCKWASHER,3/8"
33	21630	4	CAPSCREW,3/8" X 1",NC
34	TF3011	1	BUSHING,QD,SK 2-3/16"
35	28570	1	SHEAVE,9.0"
36	TF3605	1	PIN,IDLER ARM
37	TF1180	1	IDLER ARM
38	6T2418	1	HEX NUT,1/2",NC,GR8(STOVER)
39	TF3610	1	BUSHING,IDLER
40	PT3611A	1	CLEVIS
41	32482	1	ROD,THREADED,1/2-20,NF,12-1/2"
42	TF3620A	1	SPRING,TENSIONER
43	27938	1	BUSHING,MACH,14GA
44	21700	3	HEX NUT,1/2",NF
45	-----	1	CUTTERSHAFT *REFER TO CUTTER ASSY
46	6T2625	4	LOCKWASHER,16MM
47	22421	4	CAPSCREW,16MM X 40MM(2.0),GR10.9
48	TF1143	3	LYNCH PIN
49	TF1120	2	PIN,CAPPED
50	TB1036	1	PIN

COMMON TRIPLE

# EXTREME DUTY REAR GEAR BOX ASSY



COMMON TRIPLE



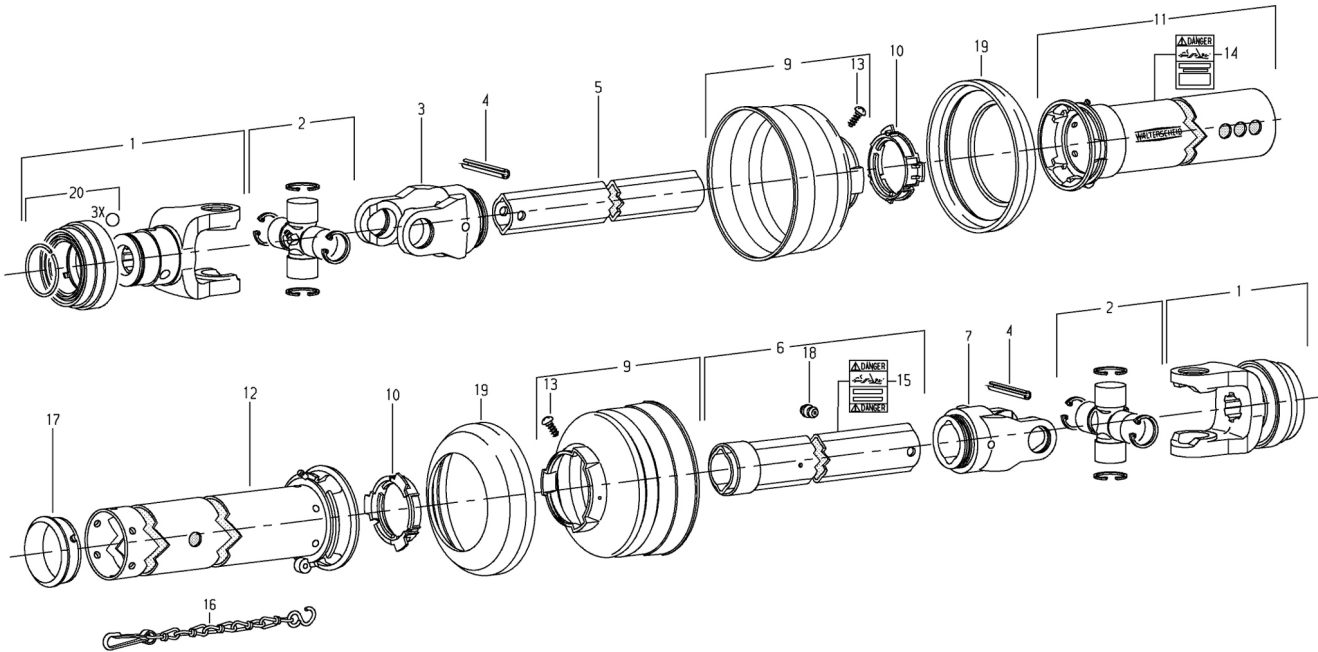
## EXTREME DUTY REAR GEAR BOX ASSY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	28505	-	GEAR BOX,REAR FLAIL,HD
1	28592	2	PLUG,1/2",GAS
2	28593	2	SNAP RING
3	28594	6	CAPSCREW,8MM X 25MM
4	28595	1	SHIM
6	28597	2	BEARING
7	28598	1	GEAR
8	28599	1	PARALLEL KEY
9	28600	1	OIL FILLER PLUG
10	28601	1	SHAFT
11	28602	2	OIL SEAL
12	28603	1	SHIM
13	28604	1	BEARING
14	28605	1	LOCK NUT
15	28606	1	PINION
16	28607	1	DOUBLE LIP SEAL
17	28608	1	SPRING WASHER
18	28609	1	BEARING
19	28591	1	CASTING
20	28596	2	SHIM

COMMON TRIPLE

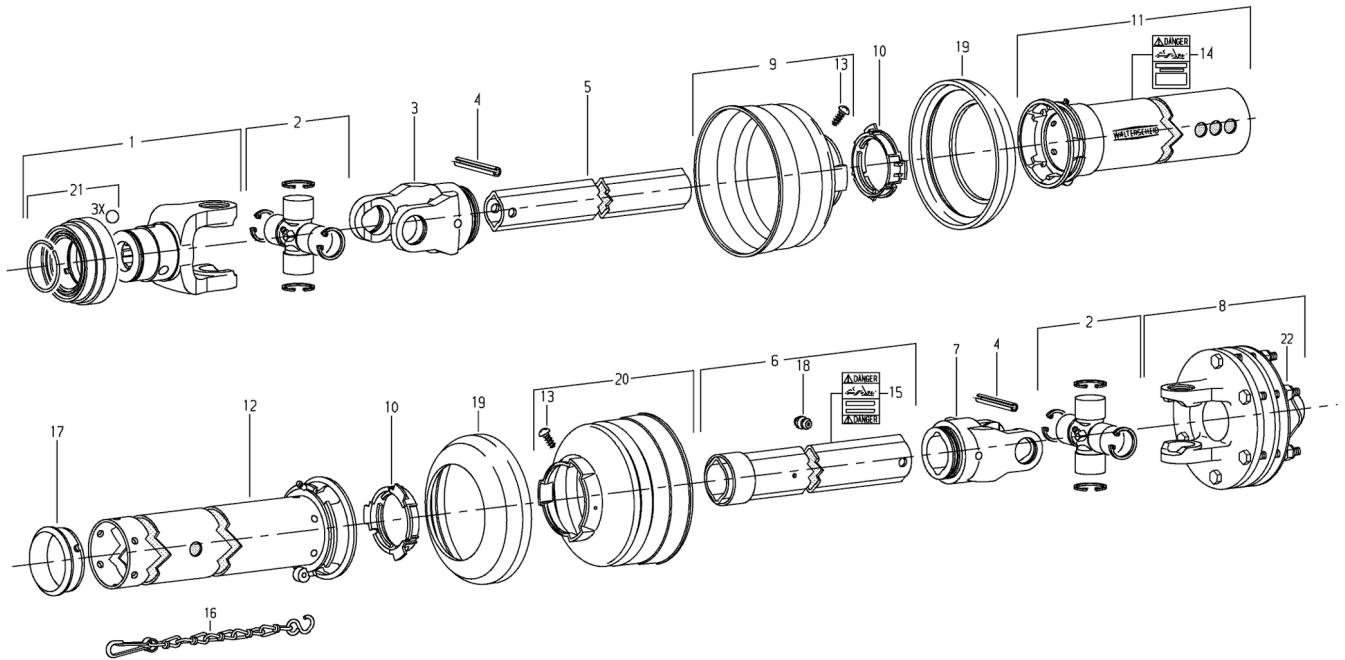
## PTO SHAFT ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
---	06520414	-	PTO.DRV SHFT,TRF
1	00775353	2	YOKE 1-3/8"-6 SPL.
2	00189700	2	CROSS & BEARING KIT
3	00775317	1	INBOARD YOKE 1B
4	00756934	2	SPRING PIN
5	-----	1	INNER PROFILE 1B
6	-----	1	PROFILE & SLEEVE
7	00775318	1	INBOARD YOKE 2A
9	06505010	2	GUARD CONE
10	8393	2	BEARING RING
11	-----	1	GUARD TUBE, OUTER
12	-----	1	GUARD TUBE, INNER
13	00759217	2	SCREW (ITEM 9)
14	00756005	1	DECAL, OUTER (ITEM 11)
15	00756004	1	DECAL, INNER (ITEM 6)
16	1416412	1	RESTRAINT CHAIN
17	-----	1	SUPPORT BEARING
18	-----	1	ZERK (ITEM 6)
19	-----	2	REINFORCING COLLAR
20	00767954	-	KIT, COLLAR (ITEM 1)

COMMON TRIPLE

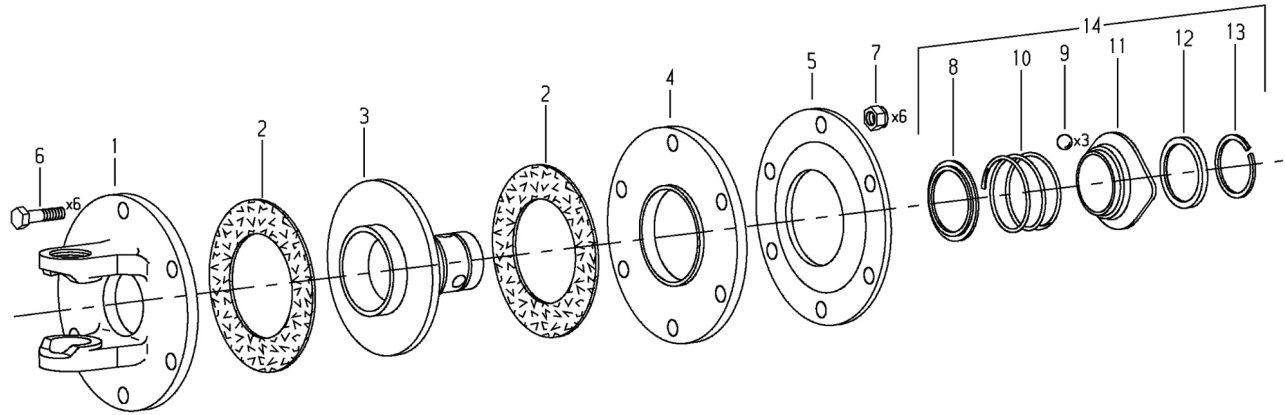
## PTO SHAFT ASSEMBLY WITH CLUTCH



ITEM	PART NO.	QTY.	DESCRIPTION
---	06520415	-	PTO,DRV SHFT,TRF,CLUTCH
1	00775353	1	YOKE 1-3/8"-6 SPL.
2	00189700	2	CROSS & BEARING KIT
3	00775317	1	INBOARD YOKE 1B
4	00756934	2	SPRING PIN
5	-----	1	INNER PROFILE 1B
6	-----	1	PROFILE & SLEEVE
7	00775318	1	INBOARD YOKE 2A
8	00775365	1	FRICITION CLUTCH
9	06505010	2	GUARD CONE
10	8393	2	BEARING RING
11	-----	1	GUARD TUBE,OUTER
12	-----	1	GUARD TUBE,INNER
13	00759217	2	SCREW (ITEM 9)
14	00756005	1	DECAL,OUTER (ITEM 11)
15	00756004	1	DECAL,INNER (ITEM 6)
16	1416412	1	RESTRAINT CHAIN
17	-----	1	SUPPORT BEARING
18	-----	1	ZERK (ITEM 6)
19	-----	2	REINFORCING COLLAR
20	-----	1	GUARD CONE
21	00767954	-	KIT,COLLAR (ITEM 1)
22	0921000470	-	KIT,FLANGE (ITEM 8)

COMMON TRIPLE

# CLUTCH ASSEMBLY

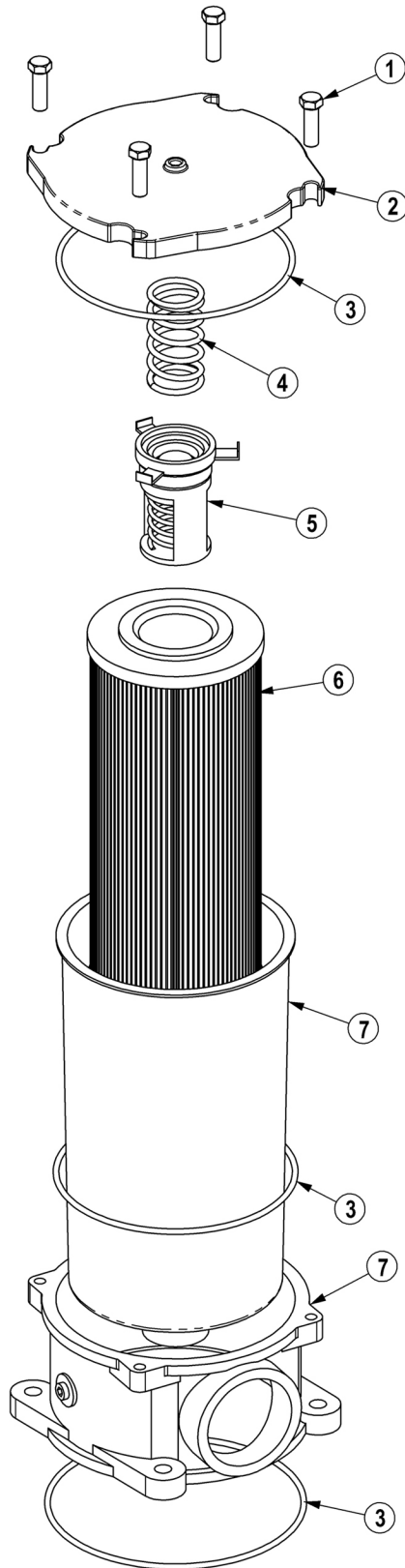


ITEM	PART NO.	QTY.	DESCRIPTION
---	00775365	-	CLUTCH ASSY
1	-----	1	FLANGE YOKE
2	-----	2	FRICTION DISC
3	-----	1	HUB
4	-----	1	THRUST PLATE
5	-----	1	BELLE VILLE SPRING
6	-----	6	HEX BOLT
7	-----	6	HEX LOCKNUT
8	-----	1	BACK-UP RING
9	-----	3	BALL
10	-----	1	COMPRESSION SPRING
11	-----	1	LOCK COLLAR
12	-----	1	BACK-UP RING
13	-----	1	SNAP RING
14	0921000470	-	KIT(ITEMS 8 THRU 13)

COMMON TRIPLE

# NOTES

# RESERVOIR TANK FILTER ASSEMBLY



COMMON TRIPLE

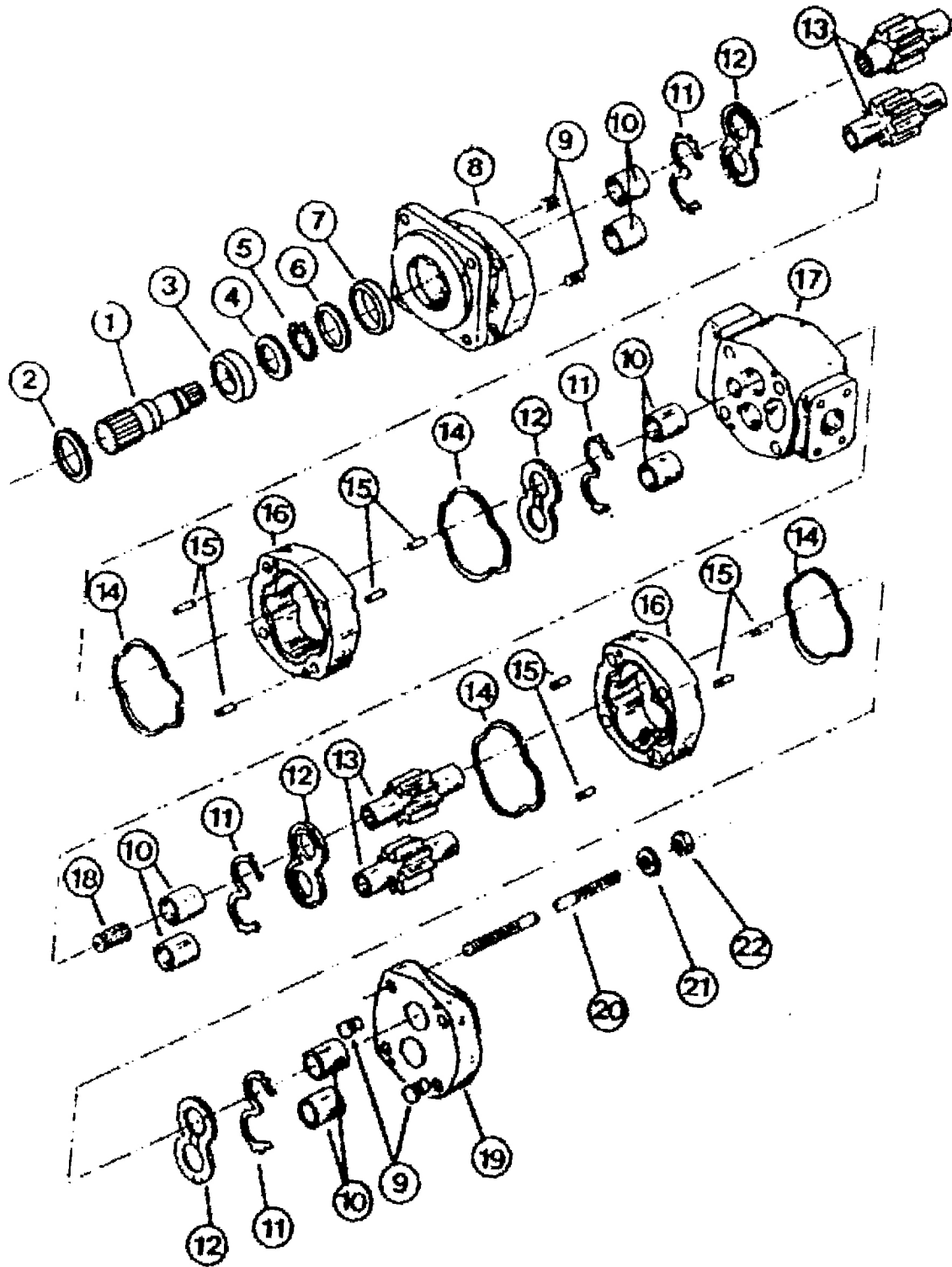
## RESERVOIR TANK FILTER ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06505044	-	FILTER ASSY SAE 10 MICRON
1	28583	4	CAPSCREW,8MM X 25MM(1.25 PITCH)
2	06505045	1	COVER
3	06505046	1	SEAL KIT
4	06505047	1	SPRING
5	06505048	1	BYPASS
6	35259	1	FILTER,10 MIC,RETURN LINE
7	06505049	1	CAN/BODY

COMMON TRIPLE

# FRONT HYDRAULIC PUMP BREAKDOWN



COMMON TRIPLE



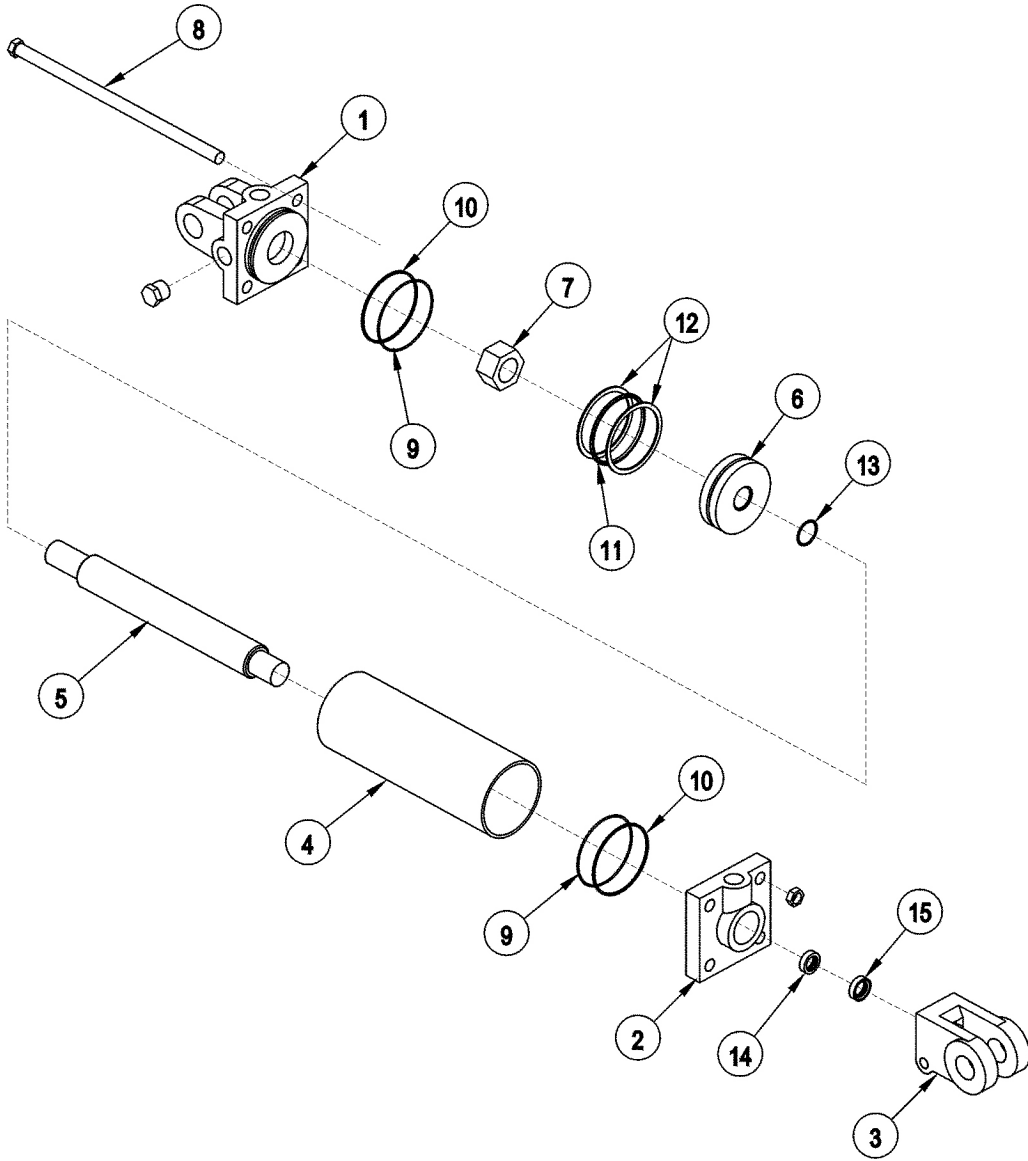
## FRONT HYDRAULIC PUMP BREAKDOWN

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	TF4450	1	FRONT MOUNTED PUMP P330
1	TF4459	1	CONTINENTAL SHAFT
2	TF4451	1	SNAP RING
3	TF4452	1	OUTBOARD BEARING
4	TF4467	1	BEARING RETAINER RING
5	TF4472	1	RETAINING RING
6	TF4473	1	SPACER
7	TF4453	1	LIP SEAL
8	TF4454	1	SHAFT END COVER
9	TF4455	4	PLUG
10	TF4456	8	BUSHING
11	TF4457	4	CHANNEL SEAL
12	TF4458	4	THRUST PLATE
13	TF4466	-	MATCHED GEAR SET
14	TF4460	4	GASKET SEAL
15	TF4461	8	DOWEL PINS
16	TF4462	2	GEAR HOUSING (FOR 1-1/2" GEARS)
17	TF4463	1	BEARING CARRIER
18	TF4465	1	CONNECTING SHAFT
19	TF4468	1	PORT END COVER
20	TF4469	4	STUD
21	TF4415	4	WASHER
22	TF4471	4	NUT
---	TF4474	1	SEAL KIT (INCLUDES ITEM 7, 11, AND 14)

COMMON TRIPLE

3IN X 8IN TIE-ROD CYLINDER - 31211



COMMON TRIPLE

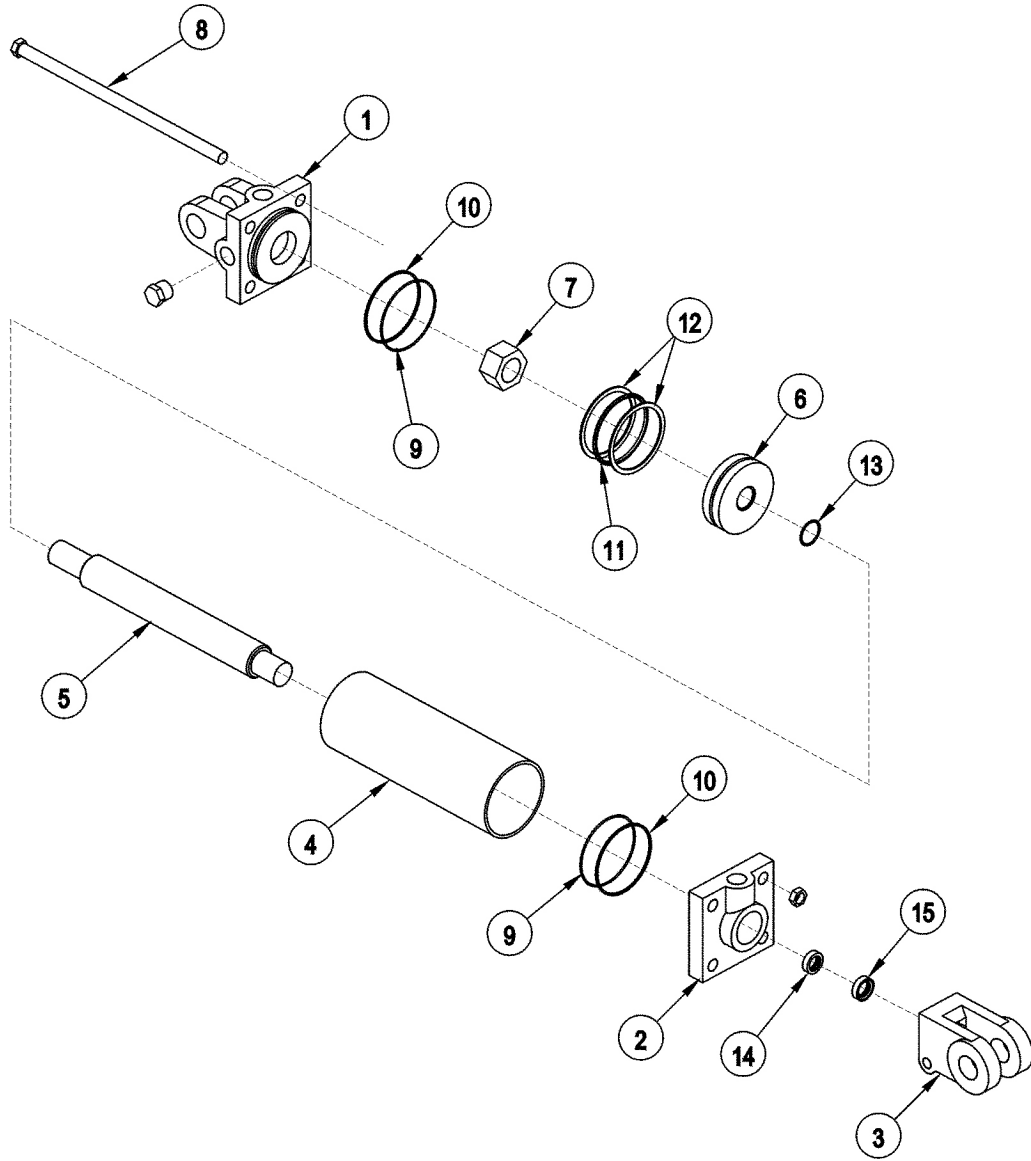
## 3IN X 8IN TIE-ROD CYLINDER - 31211

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	31211	-	CYLINDER 3" X 8"
1	6T0167	1	CYLINDER BUTT
2	6T0170	1	CYLINDER GLAND
3	6T0178	1	CLEVIS END
4	23870	1	CYLINDER TUBE
5	23869	1	PISTON ROD
6	6T0173	1	PISTON
7	6T0179	1	LOCKNUT
8	21749	4	TIE ROD ASY
---	06501579	-	SEAL KIT
9	-----	2	O - RING
10	-----	2	BACK - UP WASHER
11	-----	1	O - RING
12	-----	2	BACK - UP WASHER
13	-----	1	O - RING
14	-----	1	U - CUP
15	-----	1	WIPER

COMMON TRIPLE

3IN X 12IN TIE-ROD CYLINDER - 25343



COMMON TRIPLE

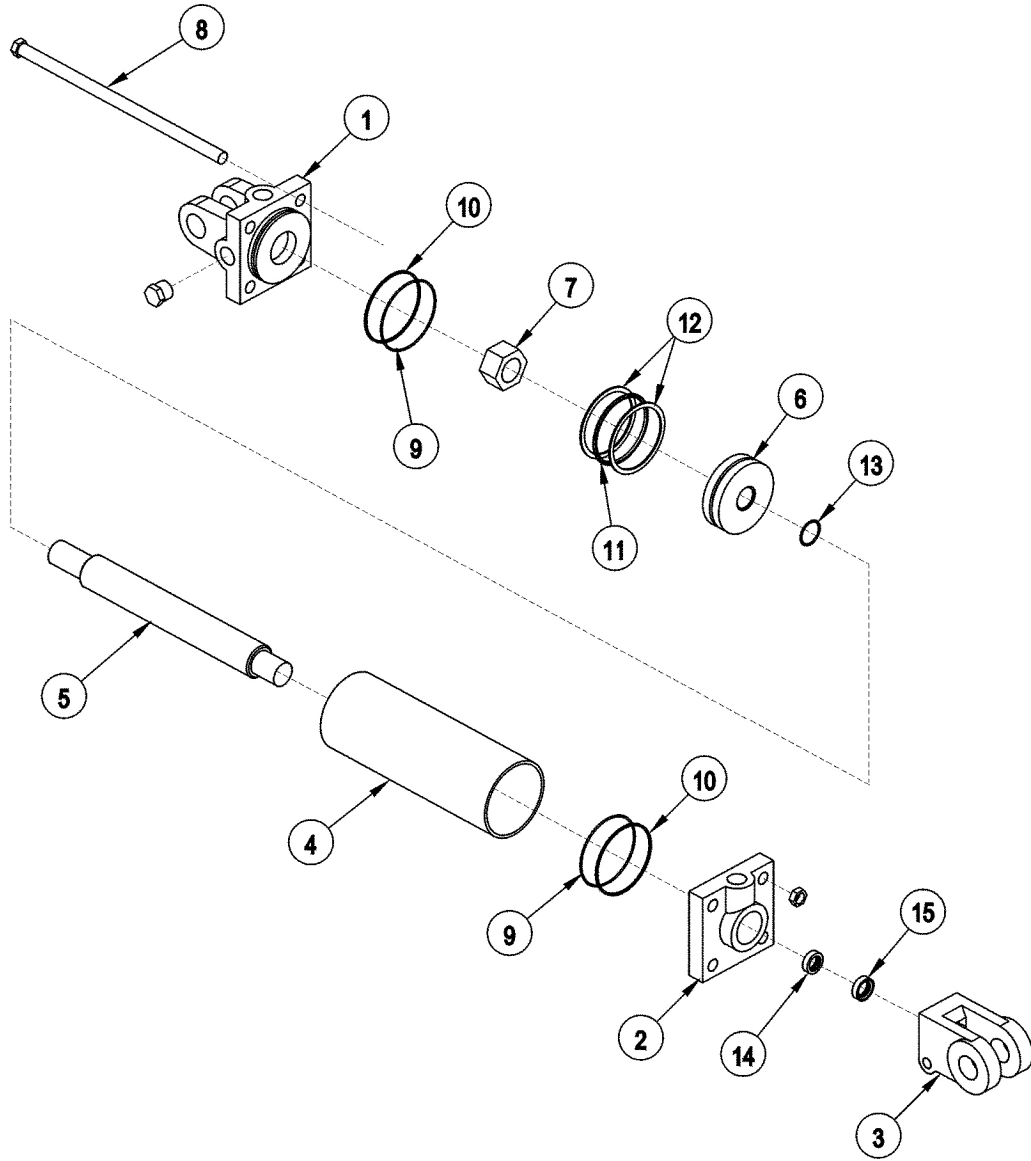
### 3IN X 12IN TIE-ROD CYLINDER - 25343

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	25343	-	CYLINDER 3" X 12"
1	6T0167	1	CYLINDER BUTT
2	6T0170	1	CYLINDER GLAND
3	6T0178	1	CLEVIS END
4	23870	1	CYLINDER TUBE
5	23869	1	PISTON ROD
6	6T0173	1	PISTON
7	6T0179	1	LOCKNUT
8	21749	4	TIE ROD ASY
---	6T0187	-	SEAL KIT
9	-----	2	O - RING
10	-----	2	BACK - UP WASHER
11	-----	1	O - RING
12	-----	2	BACK - UP WASHER
13	-----	1	O - RING
14	-----	1	U - CUP
15	-----	1	WIPER

COMMON TRIPLE

3IN X 12IN TIE-ROD CYLINDER - 32215



COMMON TRIPLE

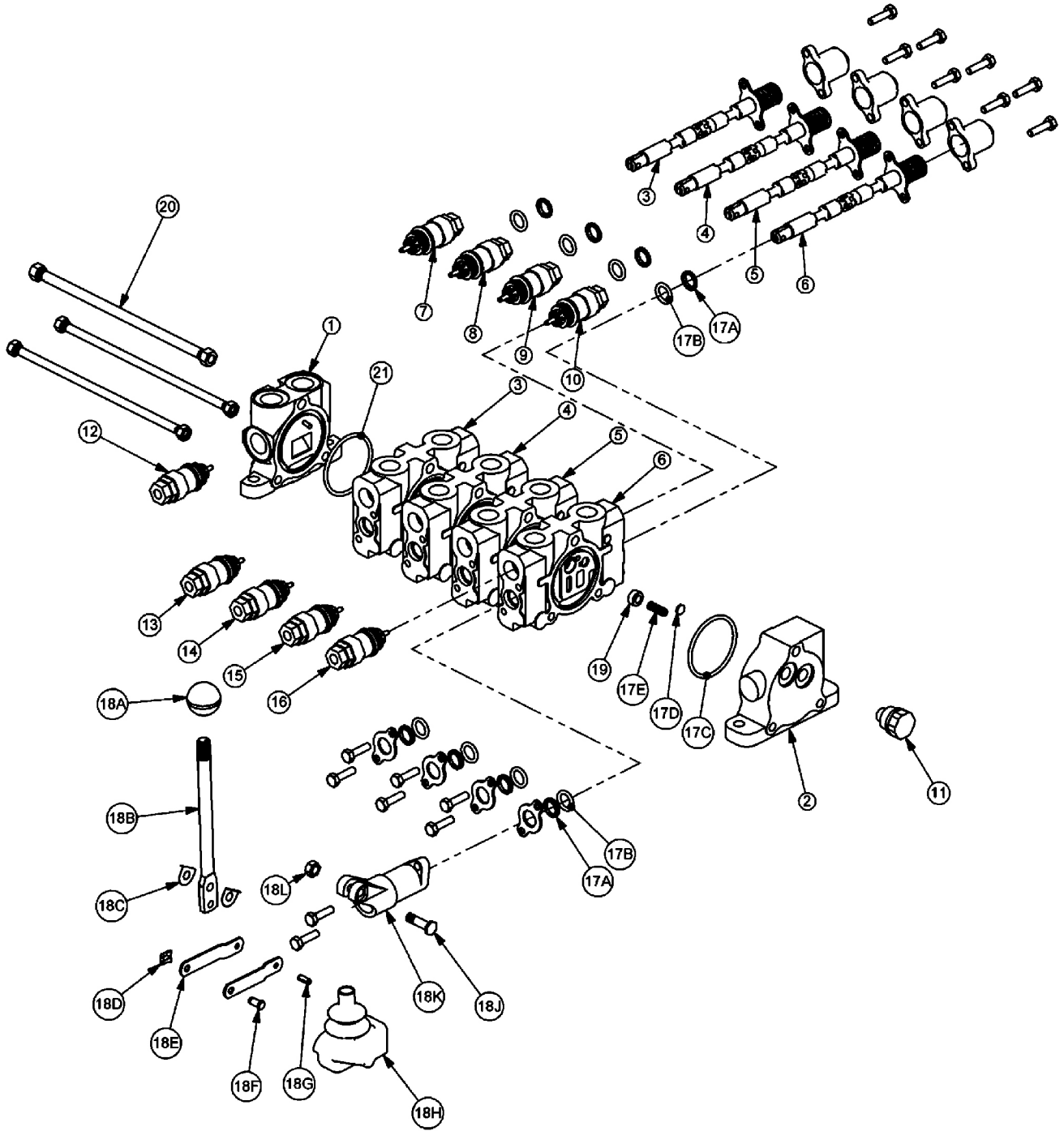
### 3IN X 12IN TIE-ROD CYLINDER - 32215

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	32215	-	CYLINDER 3" X 12"
1	6T0167	1	CYLINDER BUTT
2	6T0170	1	CYLINDER GLAND
3	6T0178	1	CLEVIS END
4	6T0204	1	CYLINDER TUBE
5	6T0203	1	PISTON ROD
6	6T0173	1	PISTON
7	6T0179	1	LOCKNUT
8	6T0205	4	TIE ROD ASY
---	6T0187	-	SEAL KIT
9	-----	2	O - RING
10	-----	2	BACK - UP WASHER
11	-----	1	O - RING
12	-----	2	BACK - UP WASHER
13	-----	1	O - RING
14	-----	1	U - CUP
15	-----	1	WIPER

COMMON TRIPLE

4 SPOOL CABLE (MANUAL) LIFT VALVE - 31190



COMMON TRIPLE



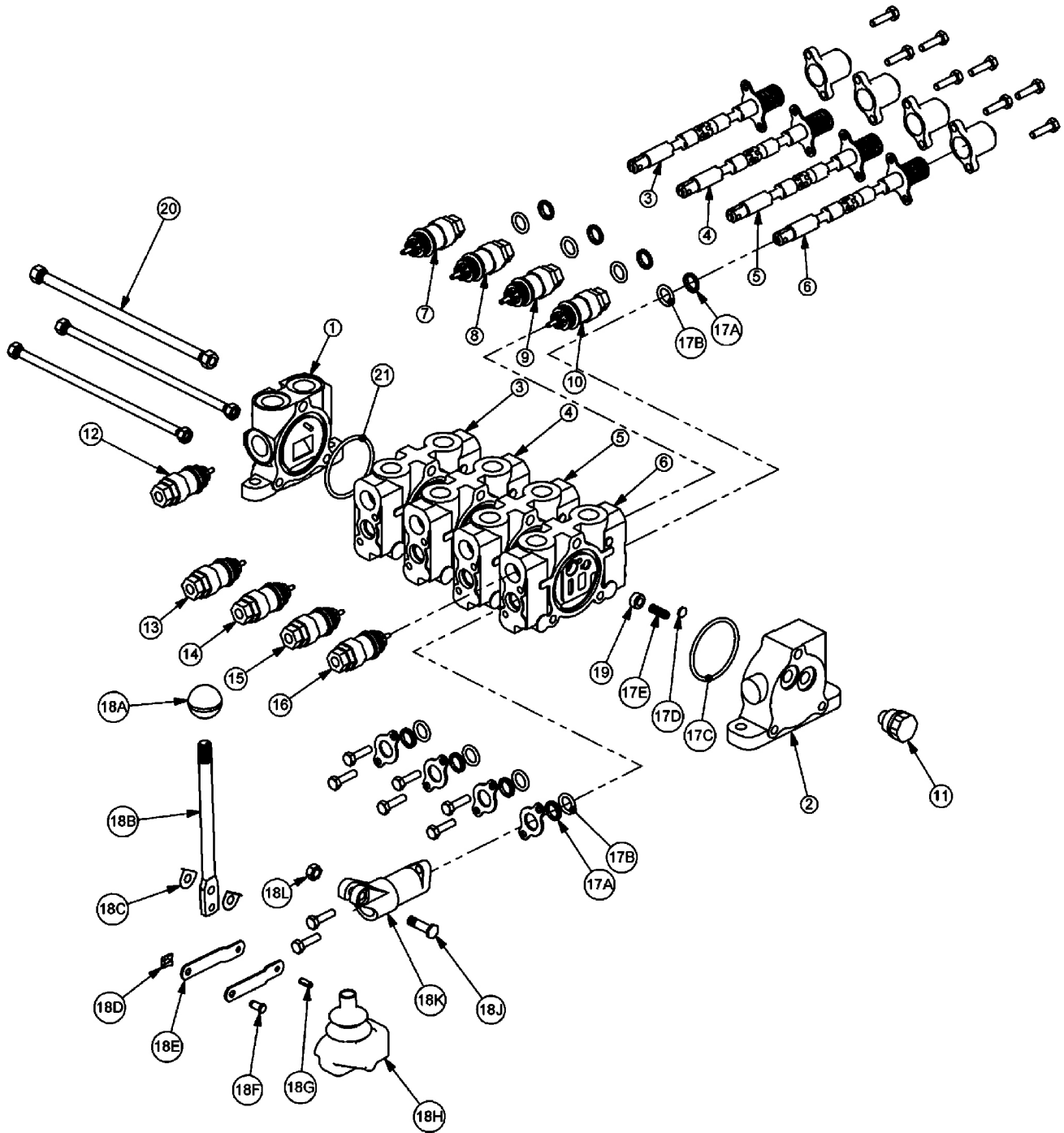
## 4 SPOOL CABLE (MANUAL) LIFT VALVE - 31190

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	31190	-	VALVE,4 SPOOL,LOAD SENSE
1	31595	1	INLET END COVER
2	31594	1	END COVER, LOAD SENSE
3	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
4	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
5	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
6	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
7	31861	1	RELIEF VALVE, 360 PSI
8	06503067	1	#10 O-RING PLUG
9	06503067	1	#10 O-RING PLUG
10	31861	1	RELIEF VALVE, 360 PSI
11	06503068	1	#6 O-RING PLUG
12	6T4209	1	#10 O-RING PLUG
13	31862	1	RELIEF VALVE, 2175 PSI
14	31862	1	RELIEF VALVE, 2175 PSI
15	31862	1	RELIEF VALVE, 2175 PSI
16	31862	1	RELIEF VALVE, 2175 PSI
17	31593	4	VALVE SEAL KIT (FOR ONE SECTION)
17A	-----	2	WIPER
17B	-----	2	O-RING SMALL
17C	-----	1	O-RING LARGE
17D	-----	1	SHUTTLE DISC
17E	-----	1	SPRING
18	TB1017L	4	LEVER KIT (FOR ONE SECTION)
18A	-----	1	LEVER KNOB
18B	-----	1	LEVER
18C	-----	2	LEVER WASHER
18D	-----	1	LEVER CLIP
18E	-----	2	LINKAGE
18F	-----	1	LEVER PIN
18G	-----	1	ROLL PIN
18H	-----	1	LEVER BOOT
18J	-----	1	LEVER BOLT
18K	-----	1	LEVER DUST COVER
18L	-----	1	LEVER NUT
19	31603	4	COMPENSATOR
20	TB1017U	1	TIE ROD KIT
21	24214	1	O-RING, LARGE

COMMON TRIPLE

4 SPOOL CABLE (MANUAL) LIFT VALVE - 06502046



COMMON TRIPLE

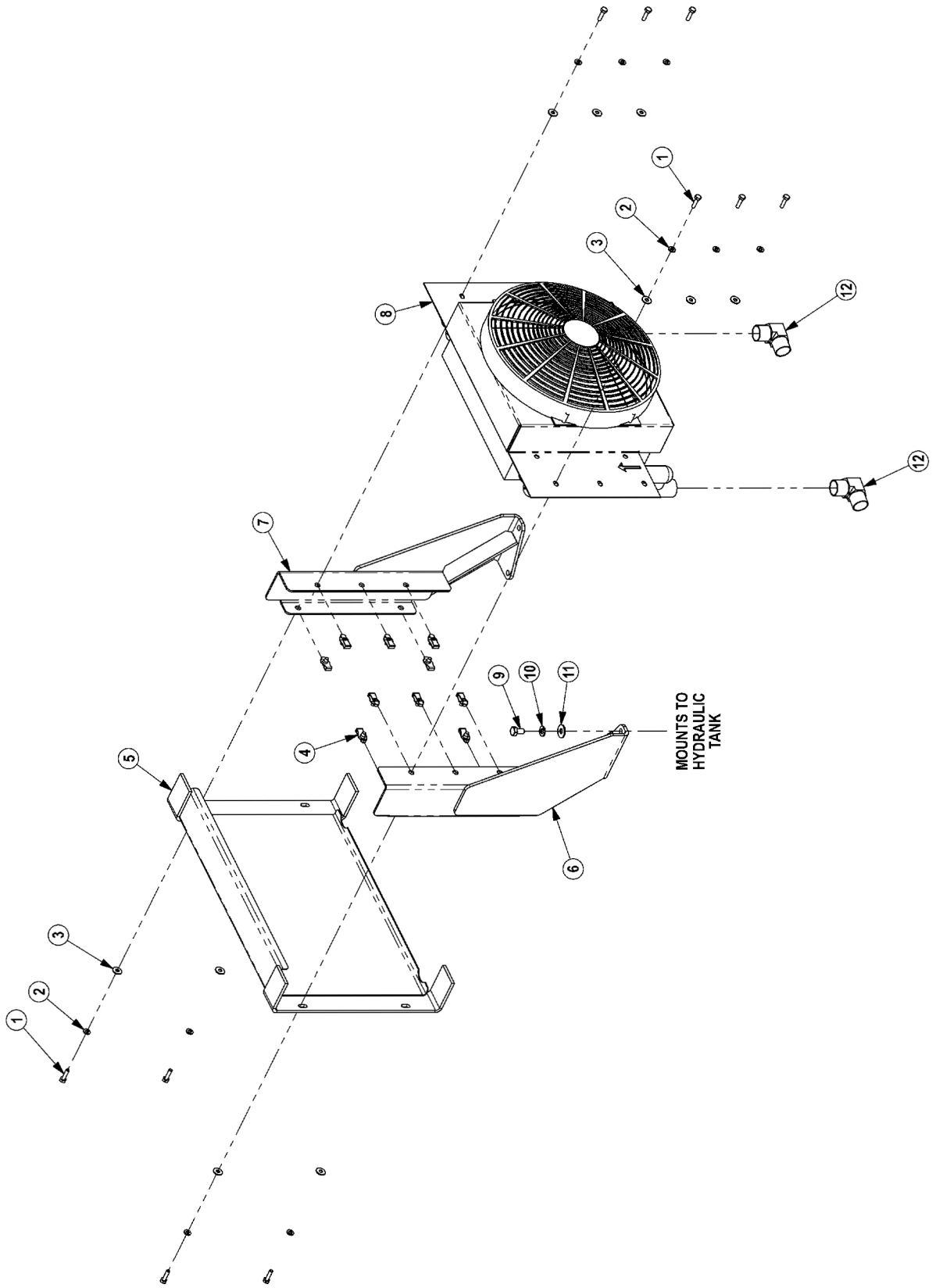
## 4 SPOOL CABLE (MANUAL) LIFT VALVE - 06502046

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	06502046	-	VALVE,4 SPOOL,LOAD SENSE
1	31595	1	INLET END COVER
2	31594	1	END COVER, LOAD SENSE
3	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
4	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
5	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
6	31600	1	VALVE SECTION (DOUBLE ACTING, DETENT - FLOAT)
7	31861	1	RELIEF VALVE, 360 PSI
8	06503067	1	#10 O-RING PLUG
9	06503067	1	#10 O-RING PLUG
10	31861	1	RELIEF VALVE, 360 PSI
11	06503068	1	#6 O-RING PLUG
12	6T4209	1	#10 O-RING PLUG
13	31862	1	RELIEF VALVE, 2175 PSI
14	31862	1	RELIEF VALVE, 2175 PSI
15	31862	1	RELIEF VALVE, 2175 PSI
16	31862	1	RELIEF VALVE, 2175 PSI
17	31593	4	VALVE SEAL KIT (FOR ONE SECTION)
17A	-----	2	WIPER
17B	-----	2	O-RING SMALL
17C	-----	1	O-RING LARGE
17D	-----	1	SHUTTLE DISC
17E	-----	1	SPRING
18	TB1017L	4	LEVER KIT (FOR ONE SECTION)
18A	-----	1	LEVER KNOB
18B	-----	1	LEVER
18C	-----	2	LEVER WASHER
18D	-----	1	LEVER CLIP
18E	-----	2	LINKAGE
18F	-----	1	LEVER PIN
18G	-----	1	ROLL PIN
18H	-----	1	LEVER BOOT
18J	-----	1	LEVER BOLT
18K	-----	1	LEVER DUST COVER
18L	-----	1	LEVER NUT
19	31603	4	COMPENSATOR
20	TB1017U	1	TIE ROD KIT
21	24214	1	O-RING, LARGE

COMMON TRIPLE

# COOLER ASSEMBLY



COMMON TRIPLE

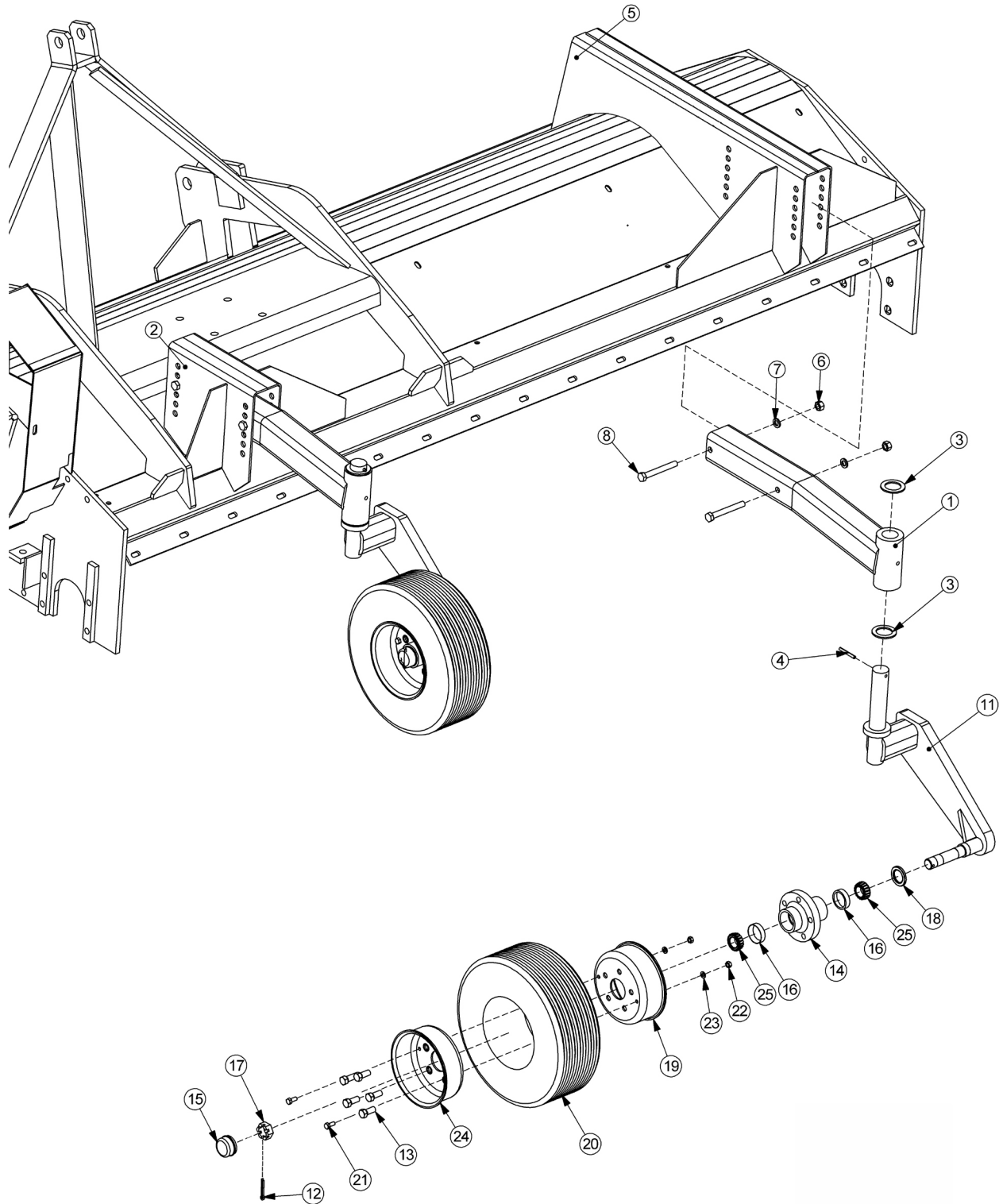
## COOLER ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	21530	10	CAPSCREW,1/4 X1 NC
2	21986	10	LOCKWASHER,1/4
3	22014	10	FLATWASHER,1/4
4	35176	10	1/4 U-NUT
5	06370015	1	SCREEN,COOLER,FRNT
6	06380006	1	MNT,COOLER,BUMPER TANK,RH
7	06380007	1	MNT,COOLER,BUMPER TANK,LH
8	06510026	1	COOLER,FRONT MNT
---	06510029	1	FAN ASSY ONLY
9	21629	4	CAPSCREW,3/8 X 3/4 NC
10	21988	4	LOCKWASHER,3/8
11	22016	4	FLATWASHER,3/8
12	34117	2	ELBOW,1MOR X 1MJ90,FORGED

COMMON TRIPLE

# CASTER WHEEL ASSEMBLY



COMMON TRIPLE

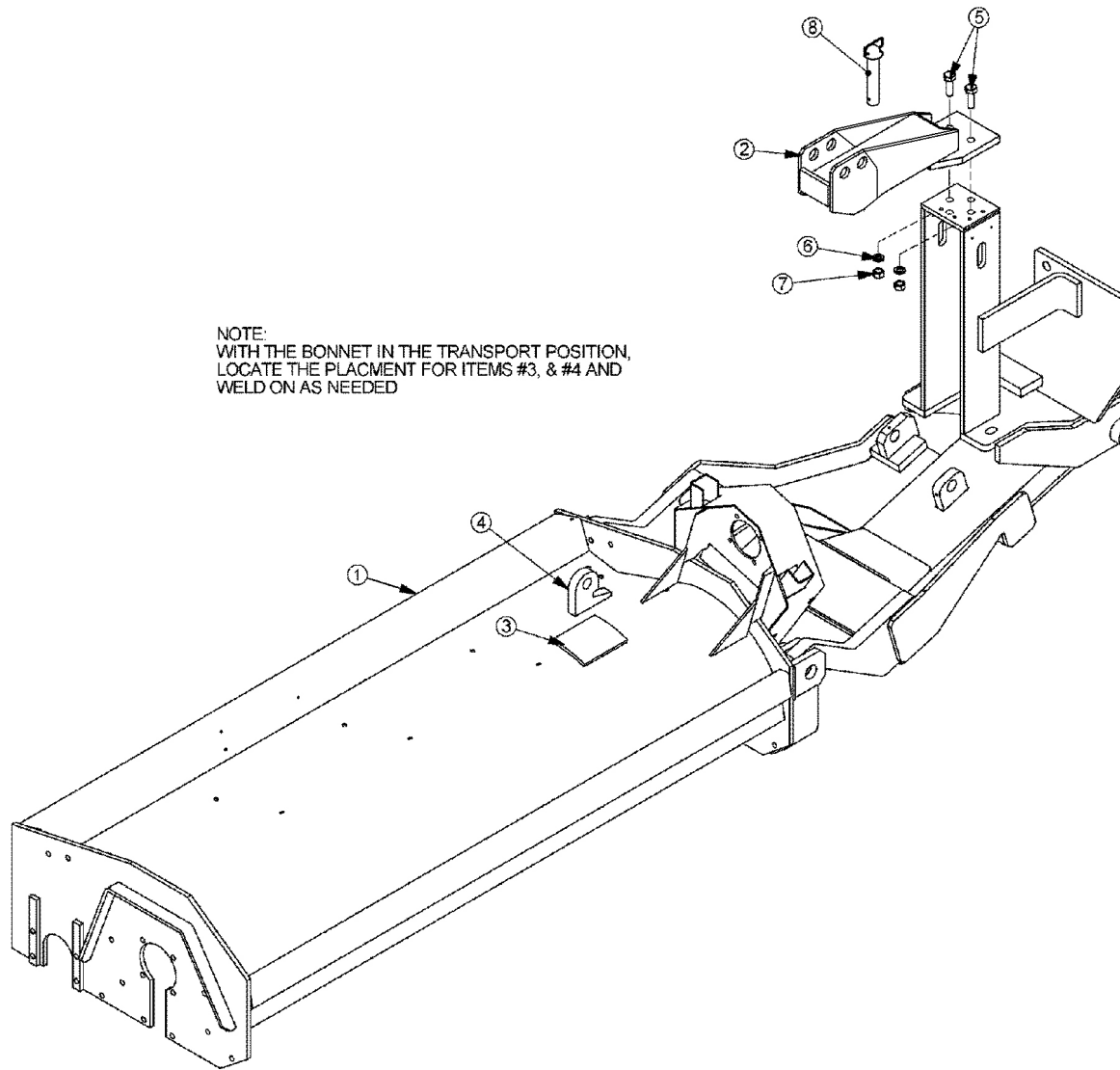
## CASTER WHEEL ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	TF3060	2	CASTER WHL ARM,FLAIL
2	TF3052A	1	BRKT,REAR CASTER ADJ,LF
3	6T2617	4	BUSHING,MACH,1-1/2"ID X 2-1/4"OD
4	6T3014	2	ROLL PIN,1/4" X 2"
5	TF3053	1	BRKT,REAR CASTER ADJ,RT
6	21725	4	HEX NUT,1/2",NC
7	21990	4	LOCKWASHER,1/2"
8	21741	4	CAPSCREW,1/2" X 5",NC
11	22057	2	SPINDLE,CASTER AXLE,ASSY
12	22533	2	COTTER PIN,3/16" X 2"
13	22071	10	HUB STUD
14	22066	2	HUB,CASTER
15	22070	2	DUST CAP
16	6T0836	4	CUP,CASTER WHEEL
17	22073	2	HEX NUT,1",NF(SLOTTED JAM NUT)
18	6T0838	2	SEAL
19	22696	2	RIM,REAR ROTARY CASTER
20	21416	2	TIRE,SOLID,RR-RTRY
21	21579	4	CAPSCREW,5/16" X 3/4",NC
22	21575	4	HEX NUT,5/16",NC
23	21987	4	LOCKWASHER,5/16"
24	22697	2	RIM,OUTER/RR RTRY CASTER ASSY
25	6T0830	4	BEARING,CONE,CASTER WHEEL

COMMON TRIPLE

## SIDE FLAIL TRAVEL LOCK



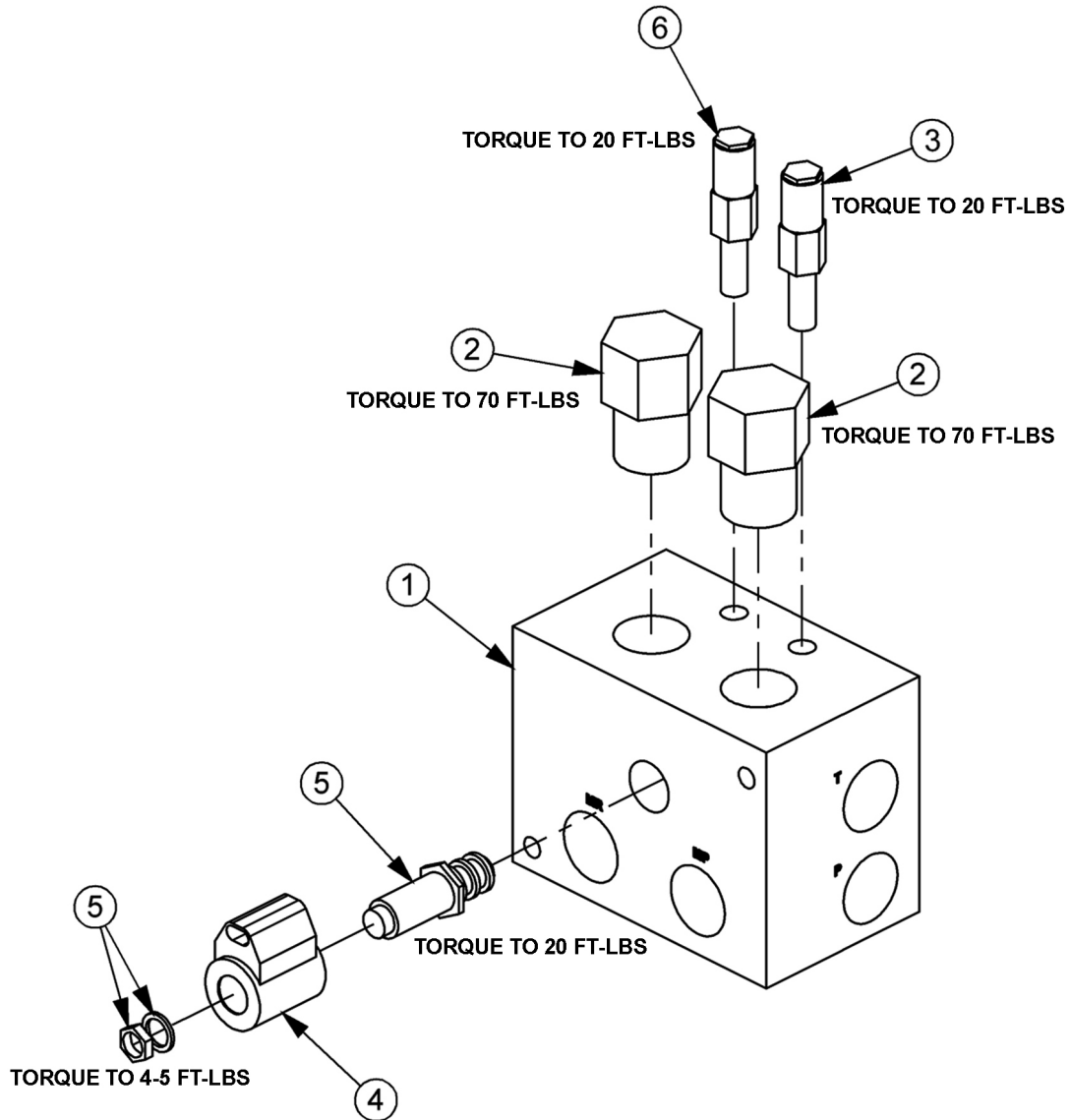
NOTE:  
WITH THE BONNET IN THE TRANSPORT POSITION,  
LOCATE THE PLACEMENT FOR ITEMS #3, & #4 AND  
WELD ON AS NEEDED

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	BONNET *REFER TO FLAIL ASSEMBLY
2	28276	1	BRACKET, TRAVEL LOCK, TRIPLE
3	TF4248	1	PLATE, TRAVEL LOCK
4	23745	1	TRAVEL LOCK HOOK
5	21783	2	CAPSCREW, 5/8" X 2" NC
6	21992	2	LOCKWASHER, 5/8"
7	21775	2	HEX NUT, 5/8" NC
8	TF4250	1	PIN, TRAVEL LOCK

COMMON TRIPLE



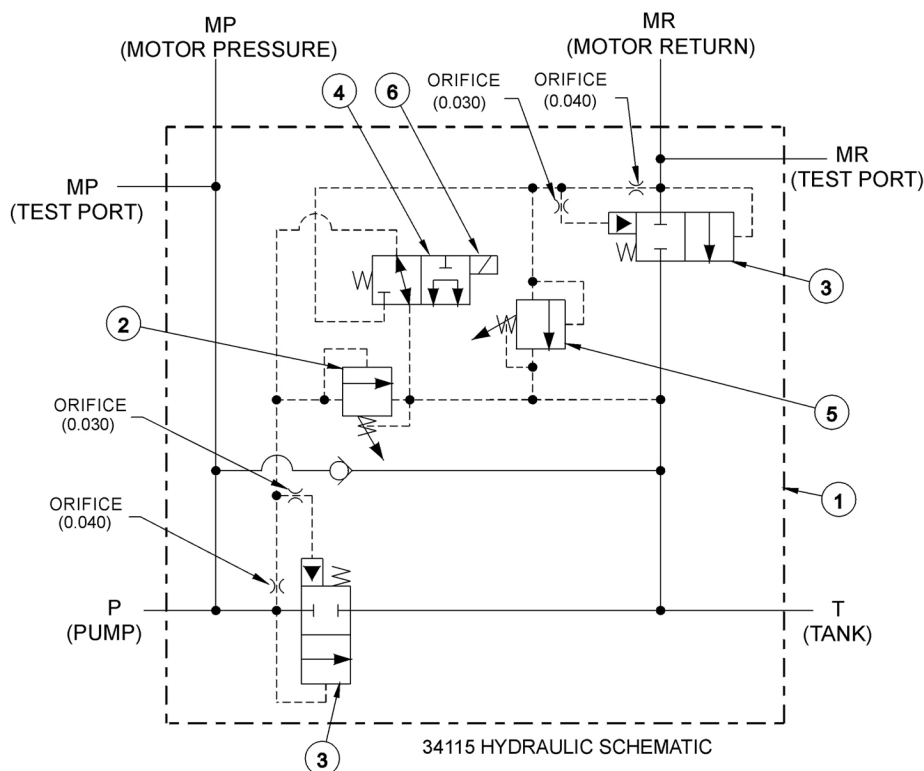
# BRAKE VALVE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION
---	06510083	1	BRAKE VALVE, ASSY
1	34092	1	BRAKE VALVE, BLANK
2	34094	2	LOGIC ELEMENT
3	34095	1	RELIEF VALVE, 3000 PSI
4	06510095	1	METRI PAK COIL
5	34093	1	CARTRIDGE, 2 POSITION, 3 WAY (WITH NUT & WASHER)
6	34091	1	RELIEF VALVE, 2600 PSI
---	34096	2	RELIEF SEAL KIT
----	34097	1	SOLENOID SEAL KIT
---	34098	2	ELEMENT SEAL KIT

COMMON TRIPLE

## BRAKE VALVE HYDRAULIC SCHEMATIC



### BRAKE VALVE TROUBLESHOOTING

#### FAILURE MODE:

- MOWER WILL NOT START - system pressure is low (engine not lugging).
- MOWER WILL NOT START - system pressure is high (engine lugging). "MR" port will be high pressure.
- MOWER WILL NOT ROTATE AT FULL SPEED - limited power.
- MOWER BLADE WILL NOT STOP - blade will not stop in proper time.

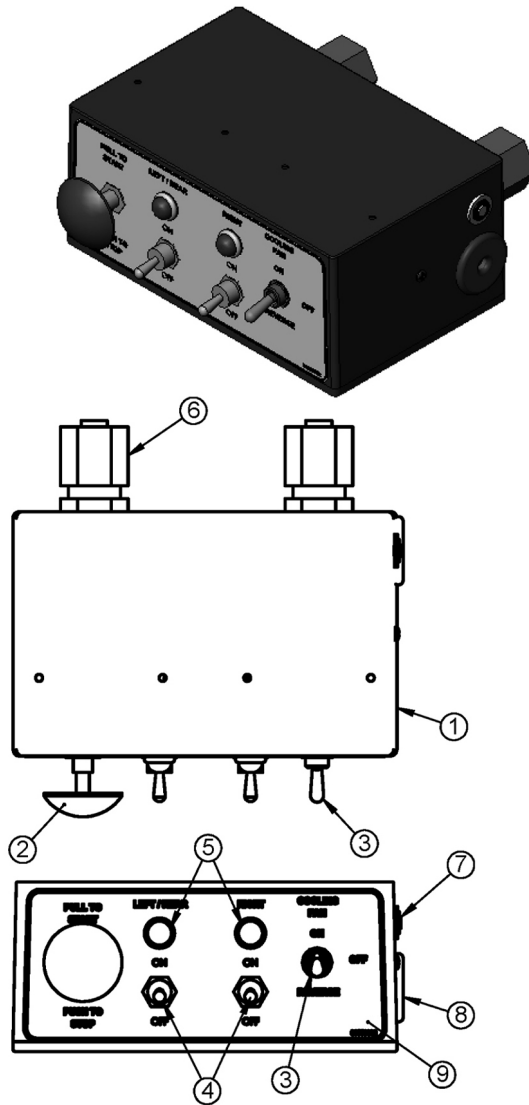
#### CHECK STEPS

- 1 thru 6
- 7
- 3 thru 5
- 7 thru 9

#### CORRECTIVE STEPS:

1. Check for voltage at solenoid (item 6), voltage must be between 10.2 volts and 13.8 volts.
2. Remove, inspect solenoid and cartridge (items 4, 6) for wear or contamination.
3. Remove, inspect logic elements near "P" port (item 3) for wear or contamination.
4. Remove, inspect 3000 psi relief valve (item 2) for wear or contamination.
5. Remove and inspect orifices near "P" port for contamination.
6. Remove "P" port hose and fitting, visually inspect for contamination, check ball for movement.
7. Remove and inspect orifices near "MR" port for contamination.
8. Remove, inspect 2600 psi relief valve (item 5) for wear of contamination.
9. Remove, inspect logic element near "MR" port (item 3) for wear or contamination.

## SWITCHBOX SERVICE PARTS

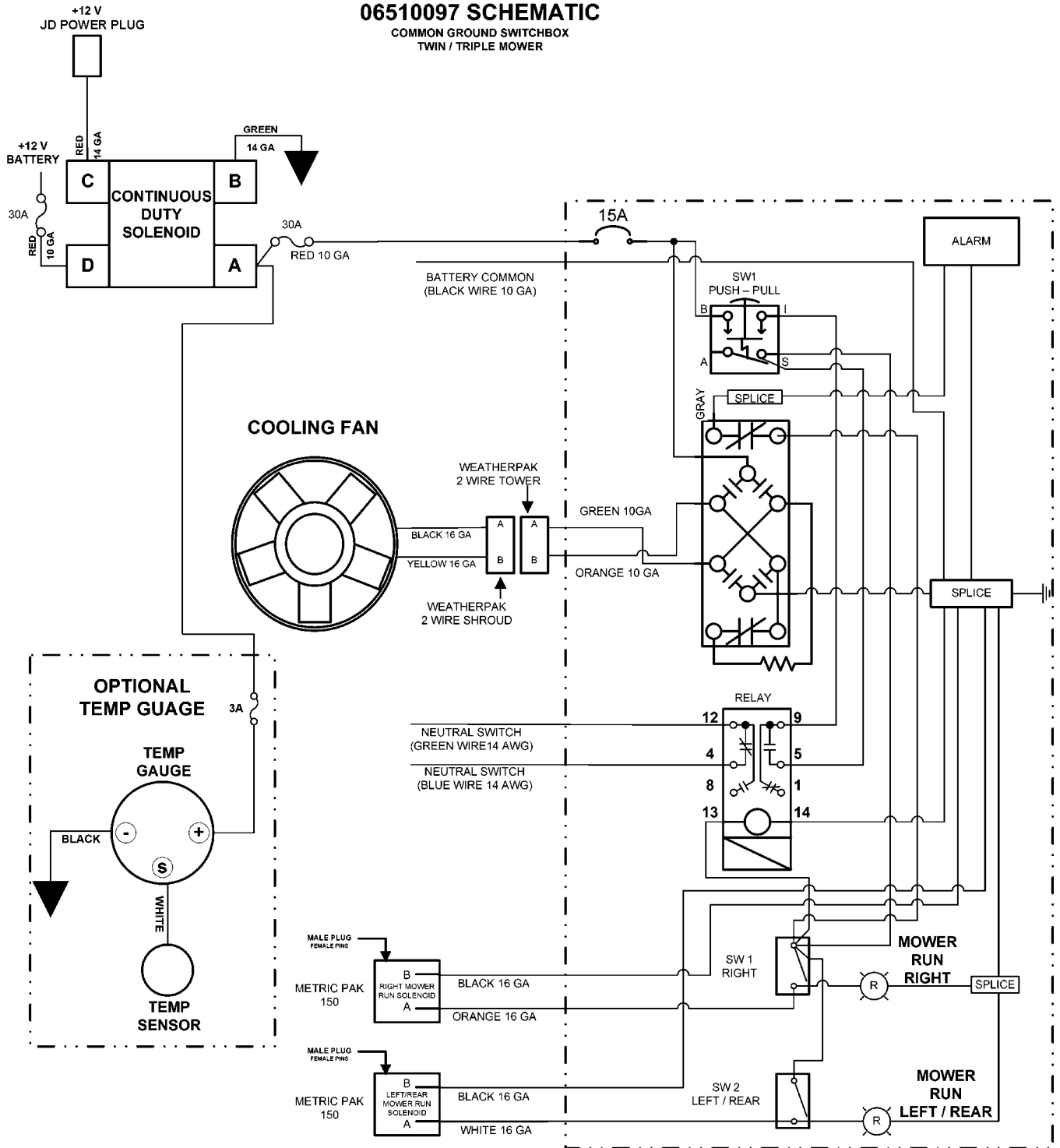


ITEM	PART NO.	QTY.	DESCRIPTION
---	06510097	-	SWITCHBOX ASSEMBLY
1	06514011	1	SWBX,ALUM,BLK
2	35226	1	SWITCH,MOWER,COLEHERSEE
3	06510028	1	SWITCH,FORWARD/BRAKE/REV
4	33811	2	SWITCH,MASTER/DECK FLOAT
5	6T3923	2	INDICTATOR LIGHT,ON,RED
6	34540	2	STRAIN RELIEF,3/4,BLACK,NYLON
7	06514006	1	BREAKER,15A,SWBX
8	06514015	1	ALARM,SWBX,REVERSER
9	06550002	1	DECAL,SWTCHBX,TWIN/T3F,REV FAN
10	35227	1	RELAY,DP,DT,12V,LY2F,35226

COMMON TRIPLE

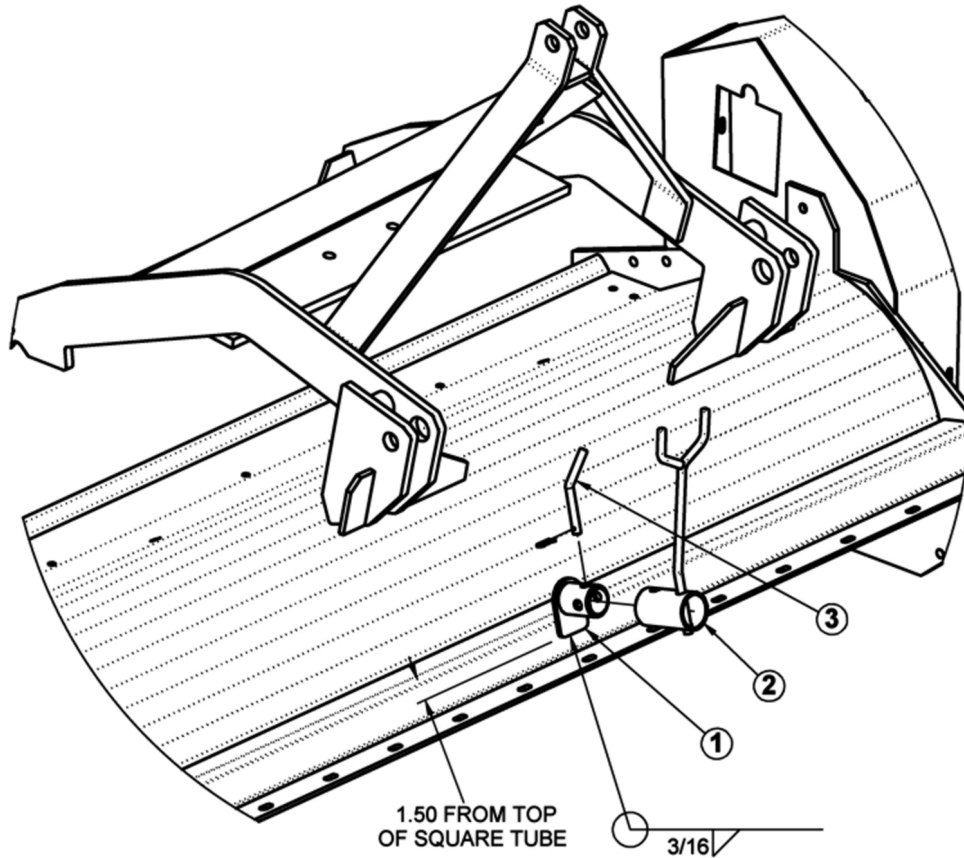
# SWITCHBOX SCHEMATIC

## 06510097 SCHEMATIC COMMON GROUND SWITCHBOX TWIN / TRIPLE MOWER



COMMON TRIPLE

# PTO STAND



**NOTES:**

1. LOCATE ITEM 1 ON TUBE AS SHOWN, CENTER ON GEAR BOX SHAFT.
2. WELD ITEM 1 AS SHOWN AFTER LOCATING
3. AFTER WELDING, PIN ITEM 2 IN PLACE WITH ITEM 3.

ITEM	PART NO.	QTY.	DESCRIPTION
1	06370080	1	BRACKET,SUPPORT
2	06370022	1	SUPPORT,PTO
3	06520048	1	PIN,BENT,W/ R-CLIP

# NOTES

# **WARRANTY SECTION**





## WARRANTY INFORMATION

Tiger Corporation, 3301 N. Louise, Sioux Falls, South Dakota, warrants to the original Retail Customer, the new Tiger equipment is free of defects in material and workmanship. Any part of equipment that in Tiger's judgement, show evidence of such defects will be repaired or replaced without charge, provided that the failure of part(s) shall have occurred within twelve (12) months from the date of delivery of said equipment to the Retail Customer. Expendable components such as knives, oil, chain sprockets, skid shoes, knife mounting disks and the like are excluded but not limited to this warranty.

The Retail Customer must pay the transportation cost to and from the Tiger Dealer's service shop for warranty service. Warranty service will be performed by the Tiger Dealer from whom the equipment was purchased, during service shop regularly scheduled days and hours of operation.

All Tiger obligation under this warranty shall be terminated if the equipment is modified or altered in ways not approved in writing by Tiger, if repair parts other than genuine Tiger repair parts have been used, or if the equipment has been subject to misuse, neglect, accident, improper maintenance or improper operation.

Tiger Corporation reserves the right to make improvements in design or changes in specification at any time without incurring any obligation to owners of equipment previously sold.

No agent or person has authority to alter, add to or waive the above warranties which are agreed to be in the only warranties, representations or promises, expressed or implied, as to the quality or performance of the products covered and which do not include any implied warranty of merchantability or fitness. In no event will Tiger be liable for incidental or consequential damages or injuries, including, but not limited to, loss of profits, rental or substitute equipment or other commercial loss.

**THERE ARE NO WARRANTIES WHICH EXTEND  
BEYOND THOSE EXPRESSED HEREIN.**

It is the Purchasers obligation to sign the warranty registration form **AFTER** he / she has Read and Understands the Operation and Safety Instructions stated within this manual.

## **ONE LAST WORD**

This manual cannot possibly cover all of the potentially hazardous situations you will encounter. By being familiar with the safety rules, operating and maintenance instructions in this manual you can help prevent accidents. The objective of this manual is to help make you a better operator. Remember, **SAFETY IS YOU!**



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Your safety and the safety of those around you depends on **YOU**. Common sense should play a large role in the operation of this machine.

Since we at Tiger Corporation are constantly striving to improve our products, we reserve the right to change specifications or design at any time.

## TO THE OWNER / OPERATOR / DEALER



To keep your implement running efficiently and safely, read your manual thoroughly and follow these directions and the Safety Messages in this manual and on the machine. The table of contents clearly identifies each section where you can easily find the information you need.

The Occupational Safety and Health Act (OSHA 1928.51 subpart C) makes the following minimum requirements for tractor operators.

### **OWNER REQUIREMENTS:**

1. Provide a Roll-Over-Protective Structure that meets the requirements of this Standard; and
2. Provide Seatbelts that meet the requirements of this Standard and SAE J3C; and
3. Ensure that each employee uses such Seatbelt while the tractor is moving; and
4. Ensure that each employee tightens the Seatbelt sufficiently to confine the employee to the protected area provided by the ROPS.

### **OPERATOR REQUIREMENTS:**

1. Securely fasten seatbelt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near steep ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going – especially at row ends, on roads, and around trees.
6. Do Not permit others to ride.
7. Operate the tractor smoothly – no jerky turns, starts, or stops.
8. Hitch only to the draw-bar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available



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