



TRIPLE FLAIL ASSEMBLIES

JD5085-5100E

Current as of 01/14/2015



PARTS LISTING WITH MOUNTING AND OPERATING INSTRUCTIONS

Tiger Corporation
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Sioux Falls, SD 57107
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www.tiger-mowers.com

06010039

TO THE OWNER / OPERATOR / DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!! Read the safety messages on the implement and shown in this manual. Observe the rules of safety and use common sense!

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.



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 runover may cause serious injury or death.



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Warranty Information: Read and understand the complete Warranty Statement found in this manual. Fill out the Warranty Registration form in full and return it within 90 days. Make certain the Serial Number of the machine is recorded on the Warranty Card, and form that you retain.

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:

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1012

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.

Important

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:

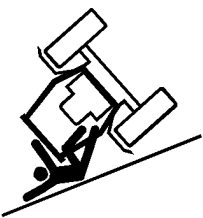
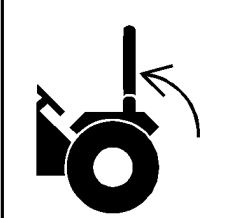
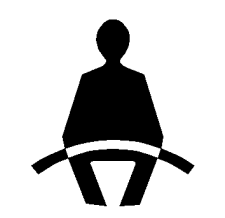
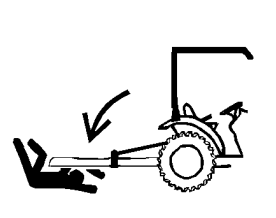

- **DO NOT EXCEED IMPLEMENT RATED PTO SPEED**
- **AVOID** exceeding rated PTO speeds that may result in broken drivelines or blade failures.

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:

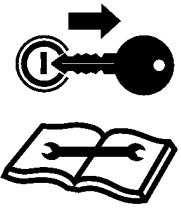
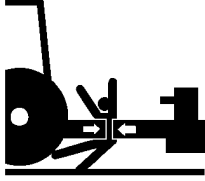

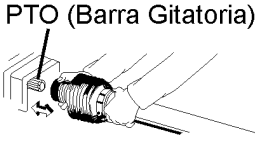
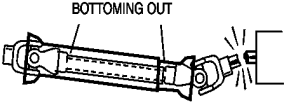
- LOWER implement, LOCK or BLOCK lifted parts before leaving equipment.

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

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:




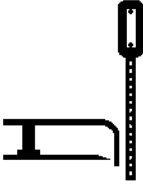
- **FILL** Wing Cylinders with oil. *(Refer to Instructions in Operation Section)*
- **KEEP** bystanders clear of area before operating wings.
- **LOWER WINGS** slowly and carefully.

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

SAFETY

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:


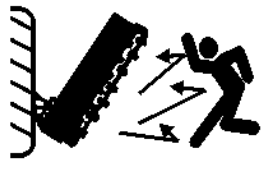

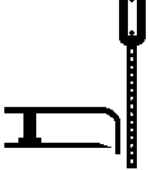
- **KEEP** all thrown object shielding including, Front and Rear Deflectors, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- **DO NOT OPERATE** with any thrown object shielding missing, damaged or removed.

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.


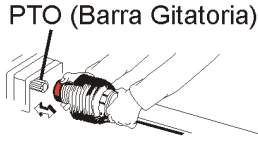
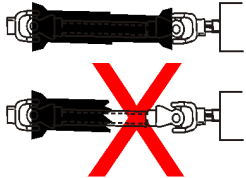
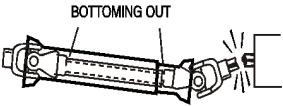
WHEN MOUNTING AND DISMOUNTING TRACTOR:

- **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

SAFETY

PTO ENTANGLEMENT HAZARDS

| | | | |
|---|--|--|--|
|  |  <p>PTO (Barra Gitatoria)</p> |  |  <p>BOTTOMING OUT</p> |
| <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.

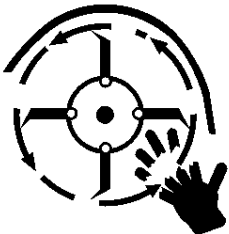
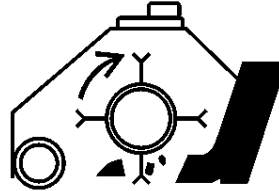
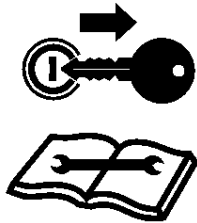
CONTACT DEALER if implement driveline does not match Tractor PTO shaft:

- **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

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

| | | | |
|---|---|--|---|
|  |  |  |  |
| High pressure oil penetrating skin | High pressure oil eroding skin | Using cardboard to check for oil leaks | Tank contents under pressure. Allow oil to cool before slowly removing cap |



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.

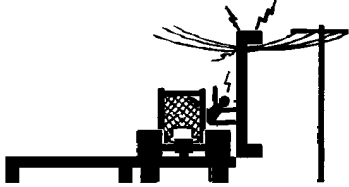
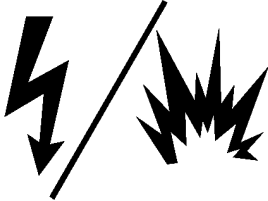

- Tank content maybe under pressure.
- Allow oil to cool before removing cap.
- Relieve oil pressure before removing cap slowly.
- Stay away from hot oil that may spray from tank.

PN HPFM-01

SAFETY

SAFETY

ELECTRICAL & FIRE HAZARDS

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

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

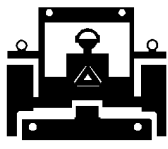


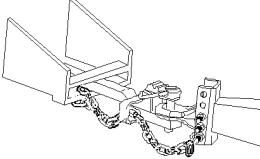

- **INSPECT** mowing area for overhead or underground electrical power lines, obstructions, gas lines, cables and Utility, Municipal, or other type structure.
- **KEEP** all raised wings at a 10 feet or greater distance from all power lines and overhead obstructions.
- **DO NOT** allow mower to contact 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.

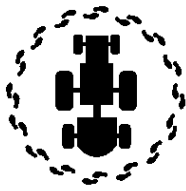
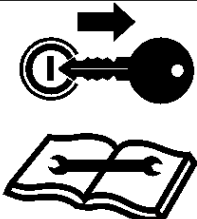
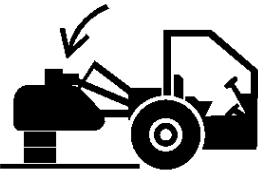


WHEN TOWING OR TRANSPORTING EQUIPMENT:

- 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

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

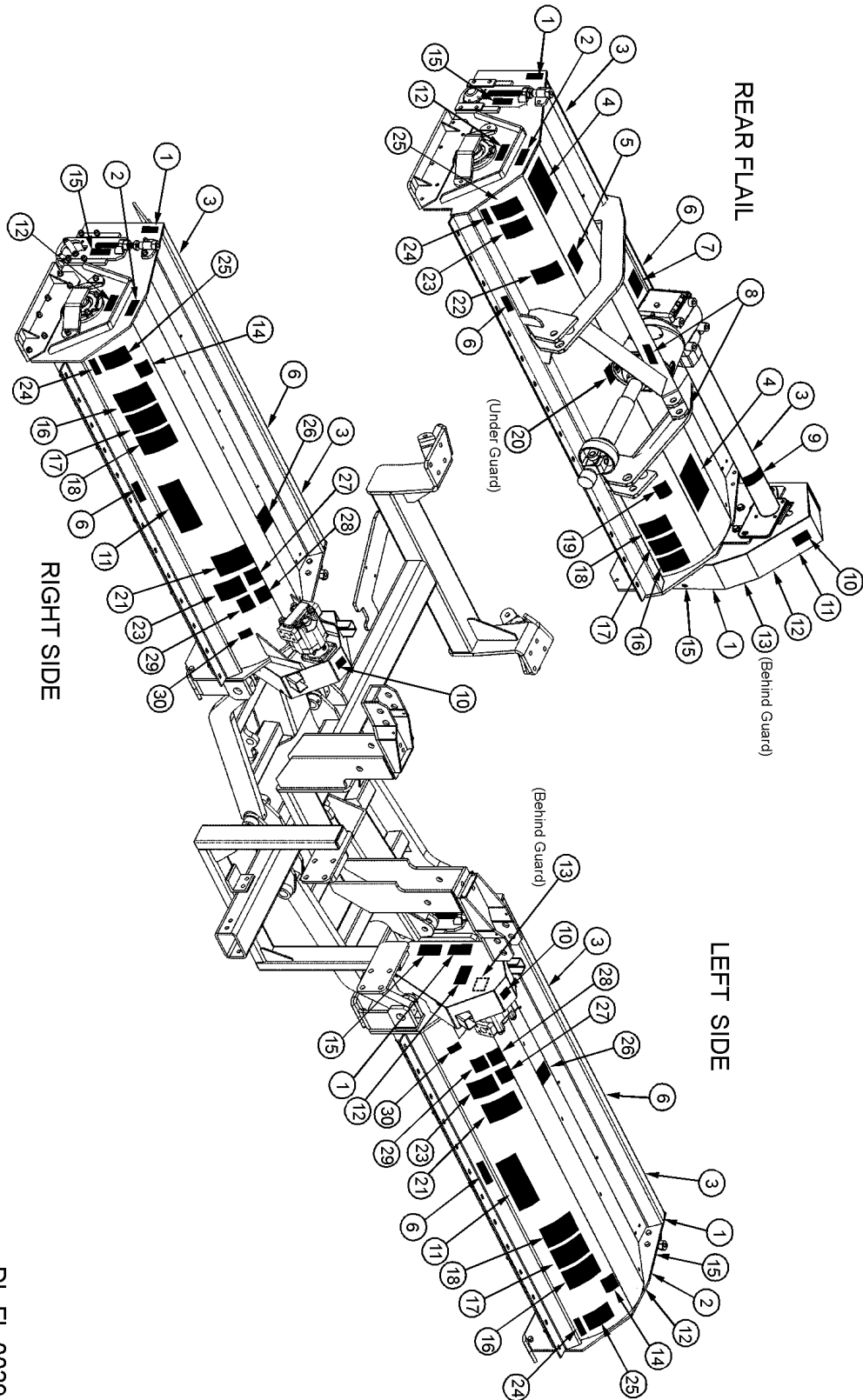
Decal Location

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

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DL-FL-0029

Safety Section 1-16

SAFETY


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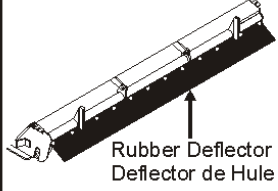
| ITEM | PART NO. | QTY. | TYPE | DESCRIPTION |
|------|----------|------|-----------|---|
| 1. | 6T3261 | 6 | INSTRUCT | Greasing Instructions |
| 2. | 22839 | 3 | INSTRUCT | Do not lubricate with automatic grease gun |
| 3. | 42399 | 6 | REFLECTOR | Red Reflector |
| 4. | 31523 | 2 | LOGO | Tiger Logo (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

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

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

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


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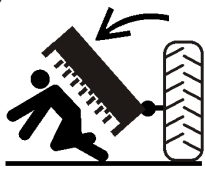
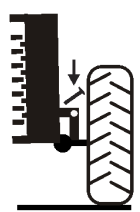
| ⚠ DANGER | ⚠ PELIGRO | |
|--|---|---|
| KEEP AWAY THROWN OBJECTS HAZARD | CONSERVESE LEJOS OBJETOS LANZADOS | |
| <p>Mower can throw objects up to 300 feet. TO AVOID SERIOUS INJURY OR DEATH to operator or bystanders:</p> <ul style="list-style-type: none"> • STOP mowing if bystanders or traffic come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

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

SAFETY

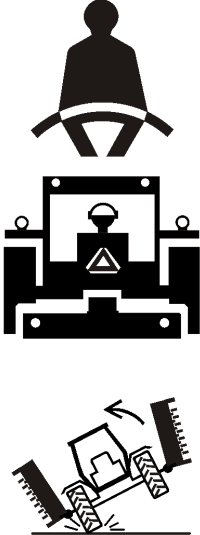
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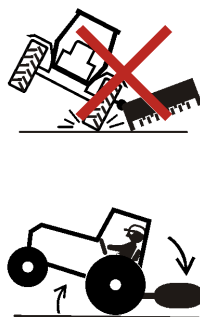
| | | | |
|---|---|---|---|
| ⚠ DANGER | | | |
| CRUSHING HAZARD AND PINCH POINTS | | | |
|  |  |  |  |
| <p>TO AVOID SERIOUS INJURY OR DEATH:</p> <ul style="list-style-type: none"> • KEEP AWAY from moving machinery parts that can pinch, crush or fall. | | | |
| ⚠ PELIGRO | | | |
| RIESGOS DE APLASTAMIENTO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


| | |
|---|---|
|  | ⚠ DANGER |
| | Crushing Hazard |
|  | Transport Latch |
| | <p>RAISE AND SECURELY LOCK Wing Transport Latch before transporting mower on roadways or working under wing.</p> |
| | ⚠ PELIGRO |
| | Riesgo de Aplastamiento <small>D703</small> |
| | <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

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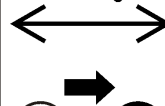
| ⚠ WARNING | | ⚠ ADVERTENCIA | |
|---|---|--|---------------|
| <p>TO AVOID SERIOUS INJURY AND DEATH DURING TRANSPORTATION:</p> <ul style="list-style-type: none"> • ALWAYS BUCKLE UP seat belt. • PLACE wing securely in Transport latch and turn off master switch. • CHECK SMV sign, reflectors and warning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




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

| ⚠ WARNING | | ⚠ ADVERTENCIA | |
|---|---|--|---------------------------|
| <p>TO AVOID EQUIPMENT AND GRASS FIRES:</p> <ul style="list-style-type: none"> • CLEAR AWAY grass or debris from hydraulic lines, circuits and decks. <p>TO AVOID FIRE IGNITION:</p> <ul style="list-style-type: none"> • DO NOT ALLOW BLADES TO CONTACT rocks, metal or solid objects. • DO NOT ALLOW OIL TO SPRAY on hot equipment or components. |  | <p>PARA EVITAR INCIENDOS DE EQUIPO Y CÉSPED:</p> <ul style="list-style-type: none"> • QUITE el césped y escombros de las líneas hidraulicas, circuito, y las cubiertas. <p>PARA EVITAR INCIENDOS POR IGNICIÓN:</p> <ul style="list-style-type: none"> • NO PERMITA QUE LAS CUCHILLAS CONTACTEN piedras, metal o objetos solidos. • NO PERMITA QUE EL ACEITE CAIGA en el equipo o componentes calientes. | <p>D699_3</p> <p>D699</p> |

SAFETY

SAFETY

| ⚠ DANGER | ⚠ PELIGRO |
|--|--|
| KEEP AWAY Entanglement Hazard | MANTENGASE ALEJADO Riesgo de Enredamiento |
| <p>TO AVOID SERIOUS INJURY OR DEATH:</p> <ul style="list-style-type: none"> DO NOT operate without guards in place and in good condition. 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. STOP, LOOK and LISTEN for rotating motion before approaching implement. STOP ENGINE and PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. | <div style="display: flex; align-items: center;">  <div style="padding: 5px;"> <p>PARA EVITAR LESION SERIA O MUERTE:</p> <ul style="list-style-type: none"> NO opere sin la cubierta protectora en su lugar y en buen estado. 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. DETENGASE, OBSERVE y ESCUCHE por el movimiento de rotación antes de acercarse al implemento. 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. </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> |
| <small>D687_1</small> | |

| ⚠ DANGER | ⚠ PELIGRO |
|--|--|
| Run Over Hazard Injury or Death | Riesgo de Atropello Lesión o Muerte |
| <p>TO AVOID SERIOUS INJURY OR DEATH:</p> <ul style="list-style-type: none"> ALWAYS USE Roll Over Protective Structure ("ROPS") including ROLL BAR and SEAT BELT equipped tractors for mowing operations. ONLY START Tractor while seated in the operator's seat. DO NOT MOUNT or DISMOUNT Tractor in motion. NEVER ALLOW riders on tractor or implement. NEVER ALLOW children to operate or ride on tractor or implement. KEEP BYSTANDERS CLEAR of area before moving tractor or implement. STOP ENGINE AND PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. | <div style="display: flex; align-items: center;">  </div> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> <div style="display: flex; align-items: center; margin-top: 10px;">  </div> |
| <small>D687_2</small> | <small>D687</small> |

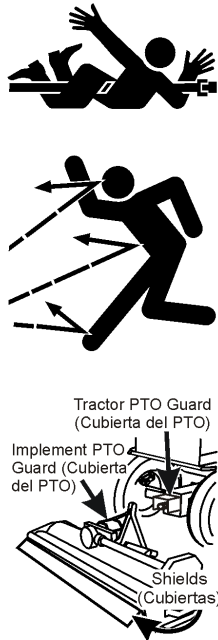
SAFETY

⚠ DANGER

⚠ PELIGRO

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**



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

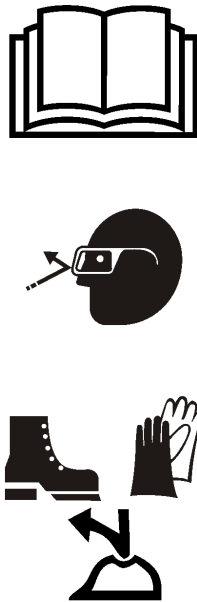
- NO OPERE la unidad sin cubiertas maya protectoras en su lugar y en buenas condiciones.
- NO OPERE sin las cubiertas de objetos lanzados o si faltan las maya protectoras.
- Cubierta de Objetos Lanzados, Toma De Fuerza (Barra Gitorial) y guardias de caja de engranaje son **SUJETO AL DESGASTE**.
- REPARE 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

⚠ PELIGRO

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**


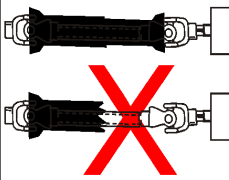
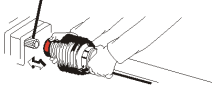
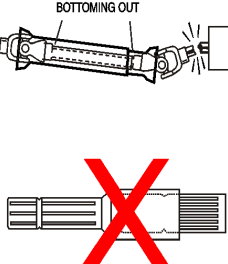


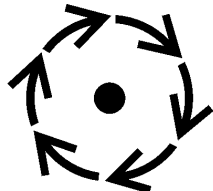
PARA EVITAR LESION SERIA O MUERTE:

- 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

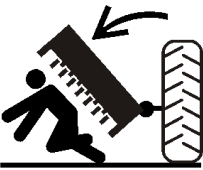

| ⚠ DANGER | ⚠ PELIGRO | |
|--|--|--|
| <p>TO AVOID SERIOUS INJURY OR DEATH FROM DRIVELINE CONTACT, DRIVELINE SEPARATION OR PTO STUB SHAFT FAILURE:</p> <ul style="list-style-type: none"> STOP, LOOK and LISTEN for rotating motion before approaching implement. STAY AWAY and KEEP hands, feet and body AWAY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

| ⚠ WARNING | ⚠ ADVERTENCIA | |
|--|---|---|
| <p>OPERATE THIS MACHINE AT 540 RPM</p> <p>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: x-small;">D547-2</p> |  | <p>OPERE ESTA MÁQUINA A 540 RPM</p> <p>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: x-small;">D547</p> |

SAFETY

SAFETY

| ⚠ WARNING | | ⚠ ADVERTENCIA | |
|---|--|--|-----------------|
| <p>TO AVOID SERIOUS INJURY OR DEATH FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENETRATING SKIN:</p> <ul style="list-style-type: none"> • 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. <p>HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE. WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:</p> <ul style="list-style-type: none"> • DO NOT use hands to check for leaks. • ALWAYS WEAR safety glasses and impenetrable gloves. • USE paper or cardboard to search for leaks. • 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. |    | <p>PARA EVITAR LESION SERIA O MUERTE POR LA PENETRACION A LA PIEL POR ALTA PRESION DE ACEITE HIDRÁULICO:</p> <ul style="list-style-type: none"> • NO OPERE el equipo con fugas de aceite o combustible. • MANTENGA todas las mangueras hidráulicas, líneas y conexiones en buenas condiciones y apretadas antes de aplicar presión al sistema. • Releve la presión hidráulica antes de desconectar las líneas o trabajar en le sistema. • QUITE y reemplace la manguera si sospecha que hay fuga. <p>FUGAS DE ALTA PRESIÓN PUEDEN SER INVISIBLE. AL VERIFICAR POR FUGAS HIDRAULICAS Y TRABAJANDO ALREDEDOR DE SISTEMAS HIDRAULICOS:</p> <ul style="list-style-type: none"> • NO use las manos para verificar si hay agujeros. • SIEMPRE USE lentes de seguridad y guantes impenetrables. • USE papel o un cartón para buscar agujeros. • NO USE las manos o partes del cuerpo para buscar agujeros. • MANTENGA manos y cuerpo LEJOS de agujeros de alfiler y boquillas que expulsan el liquido hidráulicos. | <p>02965262</p> |

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

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.

Check complete shipment list against the packing list to make sure there are no shortages. Make certain the tractor model is the appropriate one for the mower received!



Always use a floor jack, hoist or fork lift to lift and raise heavy parts.

Read and understand the entire Assembly Section instructions before attempting to mount your Tiger mower. Refer to the Parts Section of this manual for detailed illustrations to locate all parts. (ASM-C-0001)

TRACTOR PREPARATION

- A. Remove right and left hand steps.
- B. Disconnect battery cables from both batteries.
- C. Remove engine side panels, or raise hood to access front pulley.
- D. Remove plugs from tractor casting where mainframe and pump mount will be attached.
- E. Remove any front weights and weight supports.
- F. Raise the tractor onto jack-stands and remove the right and left rear wheels.

(ASM-JD-0001)

ADJUSTING REAR WHEELS

Raise rear of tractor onto jack-stands. **Follow the instructions in the tractor owner's manual for adjusting tires and rims.** The back wheels **MUST** be adjusted to the widest setting. **NOTE:** This may require switching the wheels to opposite sides of tractor. Also take note of any width restrictions when transporting by trailer. (For ease of installation, it is best to leave the rear wheels removed during installation of the mower.) (ASM-B-0001)



ASSEMBLY

CRANKSHAFT ADAPTER

For JD6xxxD tractors with a front pump mount, install the John Deere pulley kit P/N: LVB24989 and follow the instructions. (ASM-JD-0250)

DRIVESHAFT AND FRONT PUMP MOUNTING

Install driveshaft into the crankshaft adapter.

Slide splined driveshaft coupler onto the pump driveshaft. Install the pump onto the mounting bracket. NOTE: the pump is offset to one direction and the pump should be installed with the offset side on top. Install hardware for securing pump to the pump mount, DO NOT tighten.

Install pump and align so that splined coupling can be moved (FREE PLAY) back and forth by hand. Rotate coupler and check free play every 1/4 turn. Tighten pump mounting bolts in succession, rechecking for spline coupling free play. Remove the pump mounting bracket bolts one at a time and apply a thread locking agent. Tighten these bolts in succession, again checking for free play in the driveshaft. After all bolts are torqued, the end play on the driveshaft should be 1/16" to 1/8", and coupler should move freely with hand pressure. If end play is less than 1/16", grind the end of the shaft to achieve the proper end play. If there is more than 1/4" of end play, return the shaft with specifications for a longer shaft.

CAUTION: DO NOT START THE TRACTOR UNTIL ALL HOSES ARE ATTACHED,

HYDRAULIC TANK INSTALLATION

Install the tank mounting brackets with the hardware provided, as shown in the Parts Section. DO NOT tighten. Using a hoist or lift, raise the tank into position. Line up the holes on the tank with the holes on the mounting brackets and install the hardware. Once all mounting hardware is in place and secured, tighten the capscrews.

The pressure gauge is installed in the filter assembly with a street elbow. The breather cap is screwed into the bung hole in the front of the bumper tank. (ASM-JDT3F-0002d)



ASSEMBLY

COOLER MOUNTING

Mount the cooler mounting brackets on the top right side of the bumper hydraulic tank. Locate bolt plates on the top of the tank and secure the appropriate cooler bracket to the tank with the hardware provided. Attach the screen and cooler to the brackets. Refer to the Parts Section to connect the hoses to the cooler. (ASM-JD-0006a)



ASSEMBLY

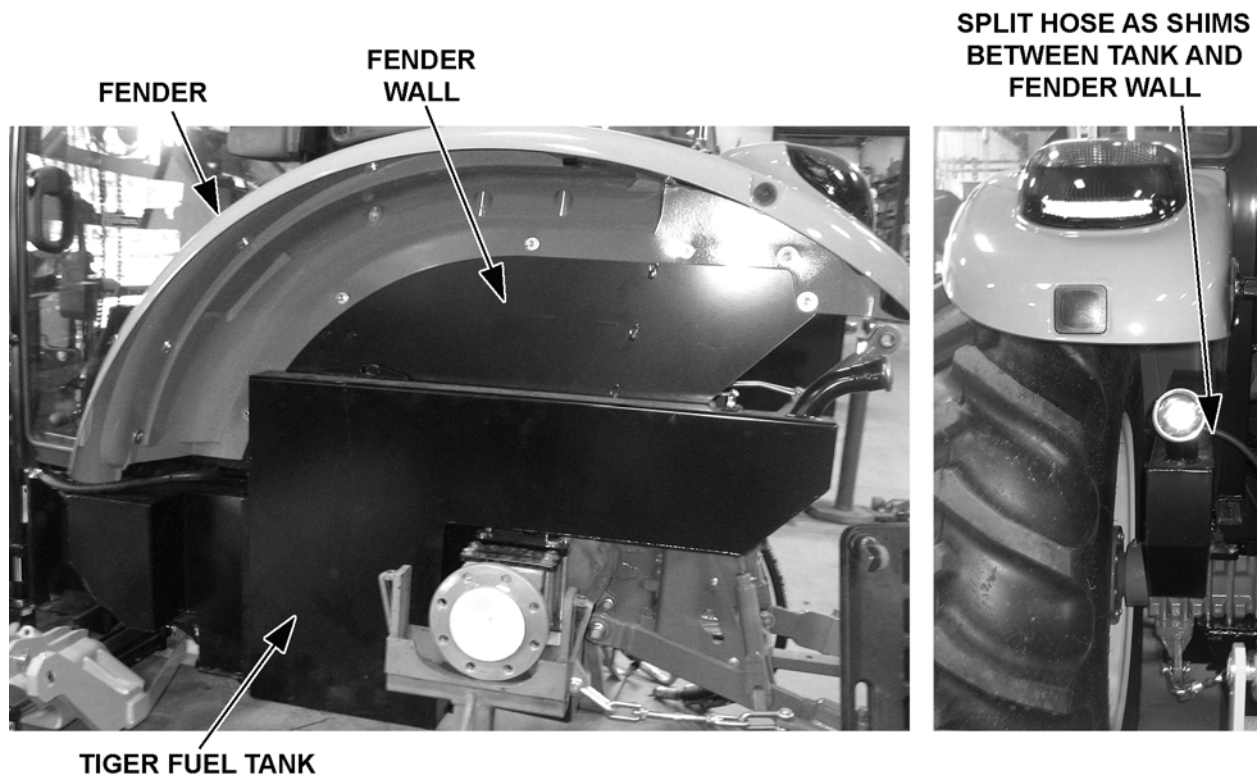
REPLACING LEFT SIDE FUEL TANK

Drain the left hand fuel tank. Remove the hoses and the wire connection to the fuel gauge. Remove and reuse the fuel level sending unit, the gasket and hardware. The gasket has a unique hole pattern and is marked to match the fuel sending unit. Remove the tank straps and the lower cross bar and discard.

To add the tank fuel sending unit to the Tiger tank, first place the gasket that you removed from the original tank on the sending unit and match up the holes. Insert the unit into the top hole in the tank. Secure the gauge with the existing hardware.

Install the Fuel Tank Bracket to the side of the tractor frame as shown in the Parts Section. Place the Tiger tank on the Fuel Tank Bracket and the T-frame and line up with the mounting holes. **Use rubber shims as needed to adjust the location of the tank and ensure that the tank does not rest against the inside wall of the wheel well.** Secure the tank using the hardware provided as shown in the Parts Section.

Finally, attach the proper hoses to the corresponding holes and add the wires for the fuel gauge. Refer to the Parts Section for hardware used and dimensions. (ASM-JD-0253a)

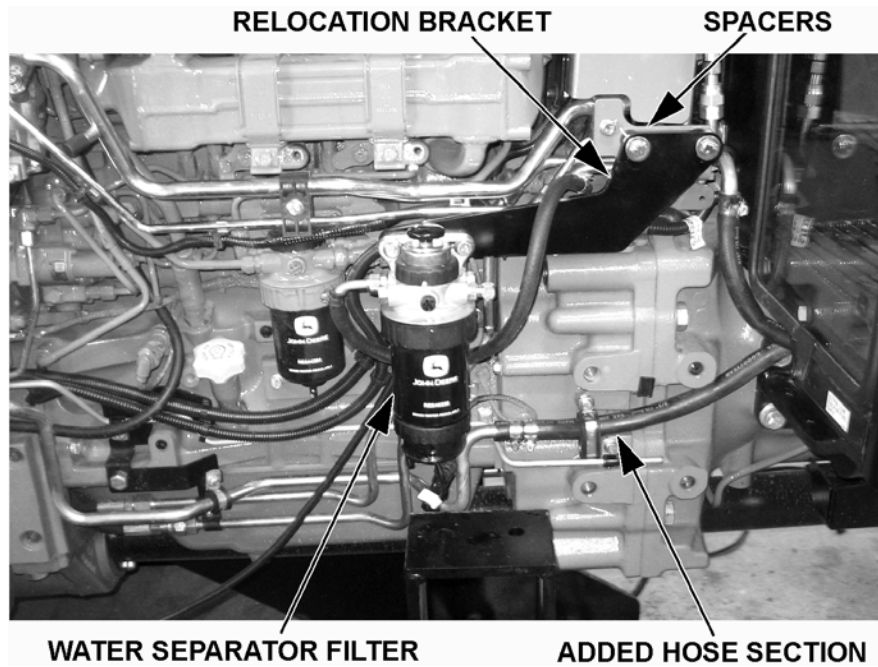


ASSEMBLY

WATER SEPARATOR RELOCATION

Installing a left side mower on a JD5085-5100E tractor requires relocation of the water separator unit. A location bracket (part #06402394) and spacers (part #27082B) are provided. Remove the water separator unit. It will be necessary to move a small section of the metal tube connected to the unit and replace it with a length of hose. .

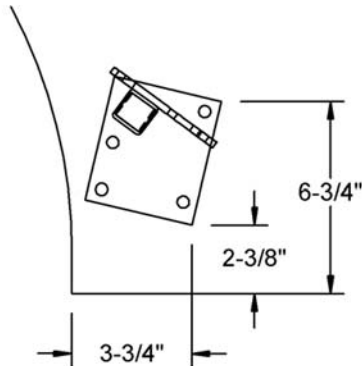
Attach the bracket to the tractor as shown below, using the hardware provided. Mount the water separator unit to the plate and attach the new hose. *(ASM-JDT3F-5100E water)*



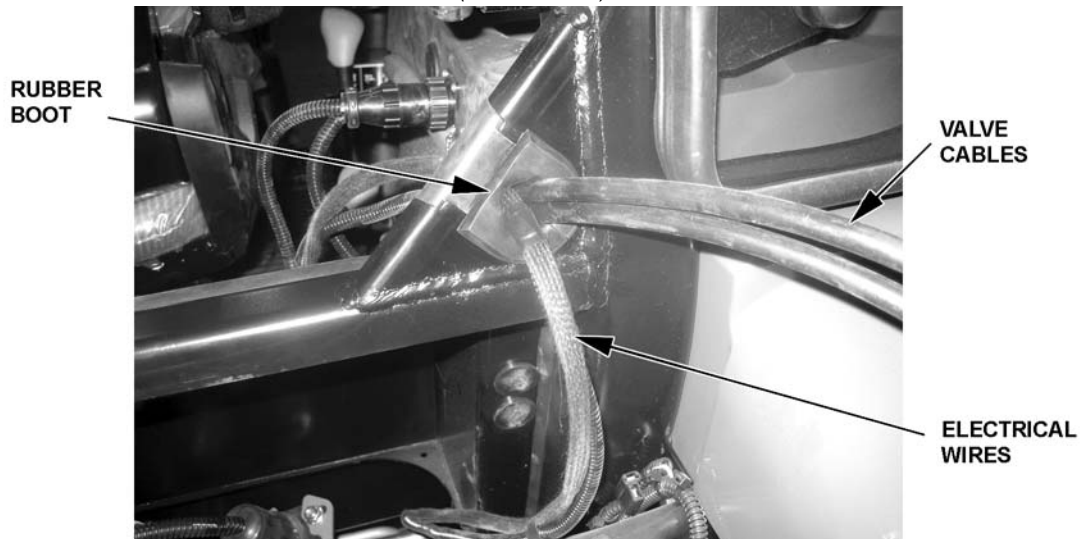
ASSEMBLY

CABLE CONTROL LEVER STAND

Place the cable control bracket on the floor so that the bracket is 2-3/8" from the side edge of the door, and 3-3/4" in front of the rear edge of the door. (See images below.) Be sure that the location of the stand will allow the operation of all control levers in the tractor and that the door will not strike the stand when shut. Before drilling, double check location of the stand for proper placement of holes. Make sure that all cables and wires are clear of the area before drilling holes to mount the stand. Drill 3 holes to match control bracket as shown below and secure with cap-screws and nylock nuts noted in Parts Section..



The rubber boot under the rear window can be cut in a crosshair pattern and if necessary the bottom cut through to allow it to slip over the cables and back into position. These cables will be routed to the lift valve mounted on the valve mounting plate, and should not have any sharp bends or kinks in them. Secure cables with zip ties and apply RTV sealer in and around individual cables, inside and outside of the cab for a water tight seal. Do not allow excess cable to hang unsecured on the outside of the cab. (ASM-JD-0225).



ASSEMBLY

SWITCHBOX WIRING

Route the green wires and the red wire (with the 10amp fuse) from the switchbox to the front console panel. Refer to the Parts Section for wiring diagram to hook up the switchbox. Cover the wires from the switchbox with plastic wire wrap provided. Remove the console panel under the steering wheel to access wires. Locate the neutral safety brown colored wire. **Use a test light or meter to verify** this wire is the neutral safety wire. Cut the brown neutral safety wire labeled "571" and connect the green wires from the switchbox as shown in the wiring diagram.

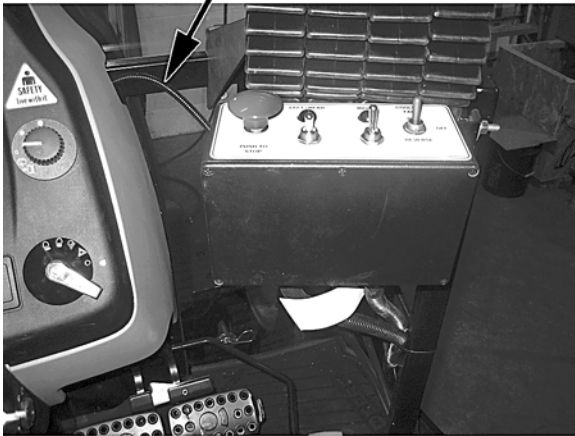
Run the white and black wire to the solenoid valve. Route the wires through the back window with the cable control wires. Use the rubber grommet in the window to protect the wire, and route the wire out of the cab down to the 1/4" hydraulic hoses. Follow the hydraulic hoses through the wheel well to the front of the tractor.

Route the Red 14ga wire, keyed hot, from the auxillary plug to the signal post of the continuous duty solenoid. **NOTE: Be certain that the power taken for the switchbox is "HOT" only when the tractor ignition is "ON".**

The black wire from the switchbox should be routed to the auxillary plug.

The wires from the switch box are longer than needed and should carefully cut and spliced as required. Zip ties should be used to secure the wires to the tractor framework and hoses to eliminate vibration and rubbing. (ASM-JD-0224)

**WIRES FROM SWITCHBOX
TO CONSOLE**



**AUXILLARY
PLUG**



**REAR WINDOW WITH
RUBBER GROMMET**



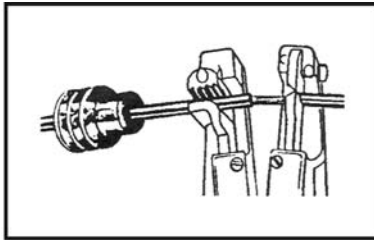
ASSEMBLY

WEATHER-PACK / METRI-PACK ASSEMBLY

These instructions apply to both Weather-Pack and Metri-Pack connectors.

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

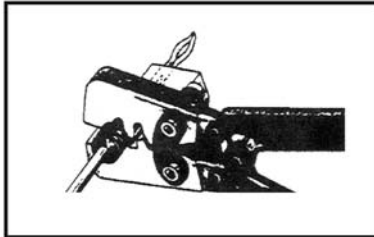
(ASM-C-0009)



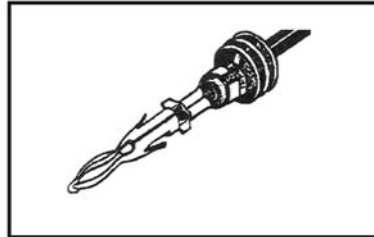
1. Apply seal to cable, before stripping insulation.



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

For triple mower applications on JD5085-5100 tractors both side mirrors must be removed to prevent interference with the mowers when raised to the stow position. (ASM-JDT3F 0055a)

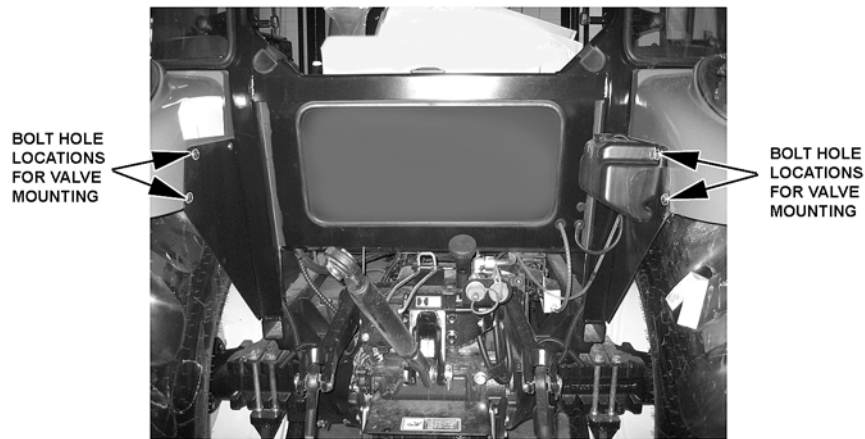


ASSEMBLY

VALVE MOUNTING

Attach the rear valve mounting bracket to the fender of the tractor by removing the two rear bolts on the left fender and the two rear bolts on the right fender. See illustration below. Drill the square holes in the fenders to accept 3/8" capscrews. Use the hardware noted in the Parts Section to attach the valve mounting bracket to the tractor.

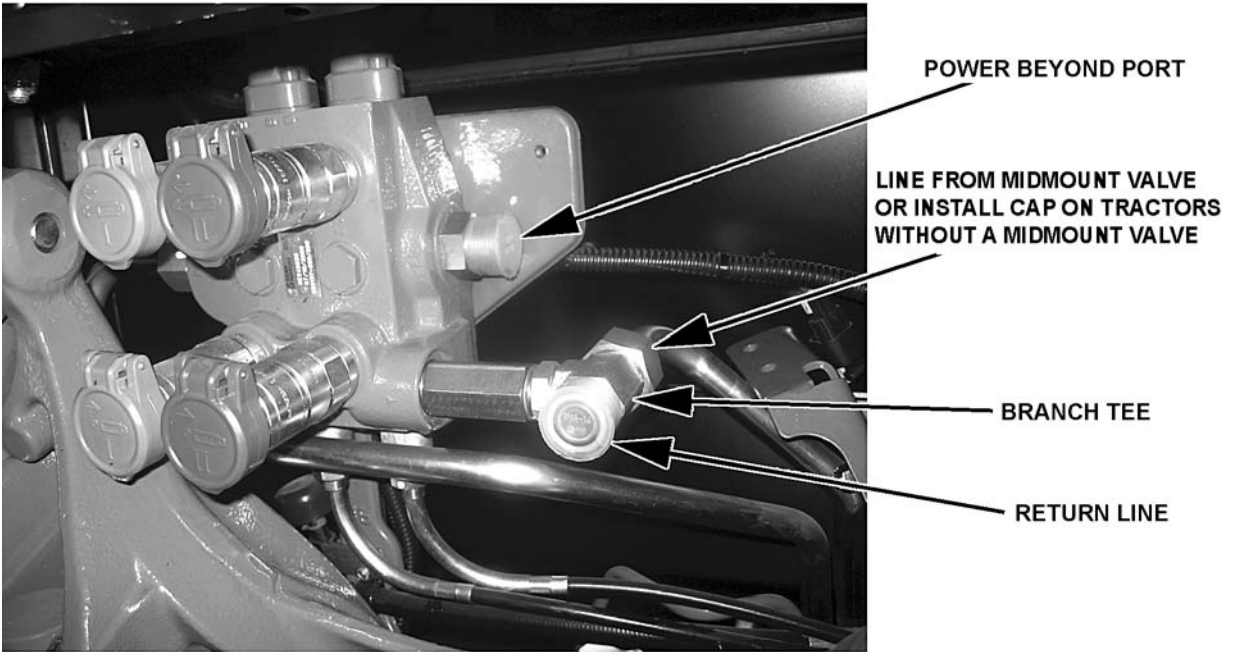
Next, attach the valve mounting plate to the mounting bracket. Align the holes on the plate to the holes on the bracket. Use the hardware shown in the Parts Section to attach the plate to the valve mounting bracket. Finally, place the valve on the valve mounting plate as shown in the Parts Section. Align the holes on the valve assembly to the holes in the plate. Use the hardware provided to secure the valve to the plate. Refer to the Parts Section for the placement of the valve and the hardware used. **Please handle the lift valve with care. It is extremely heavy and contains small parts.** (ASM-JD-0065)



ASSEMBLY

PRESSURE LINE INSTALLATION

The hydraulic pressure line will be plumbed into the tractor's power beyond port. Locate the power beyond port on the upper right side of the tractor rear remotes, remove the plug (refer to the illustration below and the Parts Section). After the plug is removed, connect the adapter and route the hose from the adapter to the lift valve, as shown in the Parts Section. (ASM-JD-0089)



ASSEMBLY

MANUAL LIFT VALVE PORTS



(ASM-C-0102)

MANUAL SWITCHBOX MOUNTING

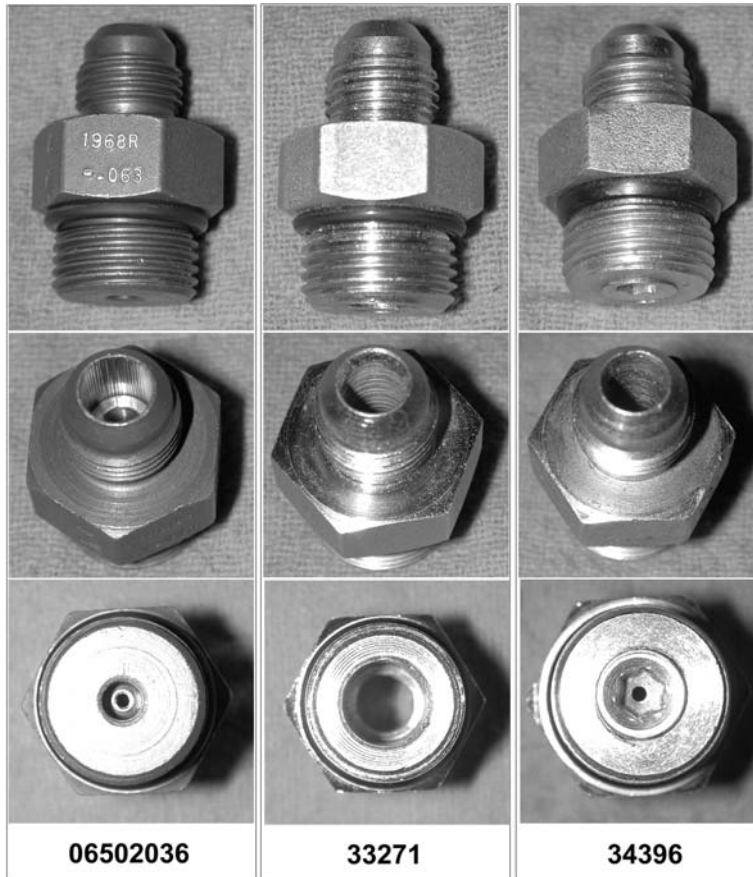
The switchbox is to be secured to the operator's side of the control handles, or valve stand. Refer to the Parts Section for assembly and components needed. (ASM-C-0071)



ASSEMBLY

NOTE ON HUSCO CONTROL VALVES

Manual, cable controlled (Husco control valve) boom mowers require check valves with integral restricting orifice (#06502036) installed in the control valve work ports that are connected to the gland ends of the main and secondary boom cylinders. This check valve allows oil to free flow into the gland end of the main and secondary boom cylinders, but restricts flow out of the cylinder, thereby providing proper boom control. This check valve, #06502036 (Vendor #1968R-.063) is similar in appearance to hose adapter #33271 and Adapter #34396, with .06 orifice. These components can be identified as follows, and are to be installed per Parts Section for the lift valve. (ASM-HUSCO-0001)



WHEEL SPACER WITH WHEEL WELL TANK

When the left wheel is off, a spacer kit is needed with the wheel well tank (part# 06200637.) Attach the spacer to the left wheel portion of the axle with the hardware provided. When you are ready to re-attach the left wheel, the wheel goes on first then the reinforcement ring and finally the hardware provided. (ASM-JD-0070)

INSTALLING O-RING FITTINGS

Installing straight, 45° and 90° O-rings requires that the O-ring and washer be up against the swivel body. Insert the swivel and turn in until the swivel is pointed in the desired direction and O-ring contact is made. Hold swivel in set direction with a wrench and turn the O-ring nut away from the swivel body and carefully tighten. (ASM-C-0056)



ASSEMBLY

INSTALLING NATIONAL PIPE FITTINGS

Whenever installing a pipe fitting, wrap the threads clockwise (looking at the end) with teflon tape. In this way, the tape will be tightened when installed. NOTE: It is not necessary to tape O-ring fittings, or those installed in swivels. (ASM-C-0088)

GENERAL HOSE INSTALLATION

Refer to the Parts Section for detailed information about hoses and fittings for this application. (ASM-C-0011)

HOSE COVERING

Secure hoses together with zip ties wherever loose. Wrap the hoses between the swivel and main boom with the hose cover provided. Wrap the hoses between the main boom and secondary boom with the hose cover provided. Where hoses may contact the frame or other edges, wrap with split hose and secure with hose clamps or zip ties.

On non-cab units, the pressure and return hoses from the control valve will also need to be routed inside the protective hose wrap. Cover the valve and valve fittings with the hose cover and secure with the string provided. (ASM-C-0058)

SOLENOID BRAKE VALVE

Install a solenoid valve on the mounting bracket with the supplied hardware as shown in the Parts Section in this manual. While installing the fittings to the brake valve, the electrical coil on the spool may have to be removed to make room. When reinstalling the coil, it is important to use no more than 5 ft. lbs. (or 60in. lbs.) torque. **WARNING: OVER TORQUE TO THE COIL WILL RESULT IN HYDRAULIC FAILURE OF SPOOL.** (ASM-C-0025)

TEMPERATURE GAUGE MOUNTING (OPTIONAL)

Mount the temperature gauge where it is clearly visible to the operator. Attach the green (-) wire from the negative post on the gauge to a grounded bolt on the tractor frame. Remove paint if needed to make a good ground. Remove the pipe plug from the side of the hydraulic reservoir and install the temperature sensor using thread sealing tape. Run the white wire from the (s) sensor post of the gauge to the temperature sensor on the hydraulic reservoir tank. (ASM-C-0051)



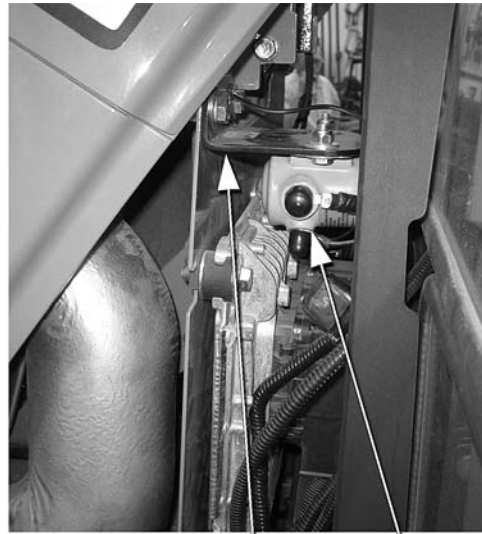
ASSEMBLY

CONTINUOUS DUTY SOLENOID SWITCH

The solenoid switch is mounted between the engine compartment and the cab (see photos below). It will be necessary to drill two holes in the wall at the rear of the engine to attach the mounting bracket provided. Secure with provided 3/8" x 1" capscrews, lockwashers, and hex nuts.



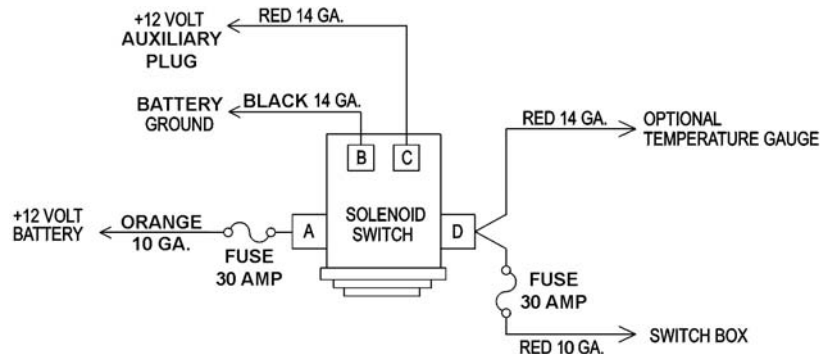
MOUNTING LOCATION
OF SOLENOID SWITCH



MOUNTING
BRACKET SOLENOID
SWITCH

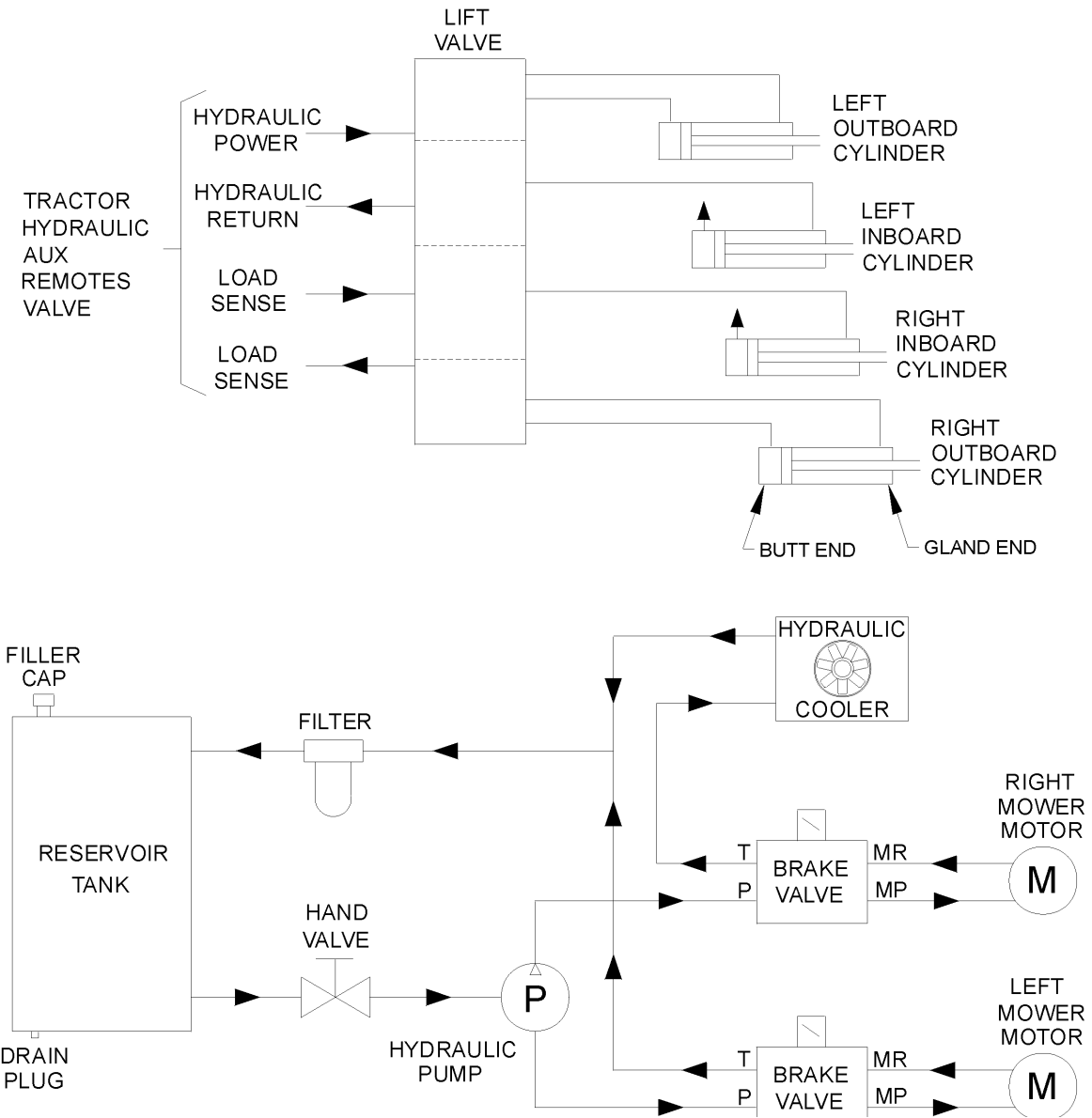
Route wires to and from the Continuous Duty Solenoid Switch as shown below.

- A.) ORANGE 10 GA. wire from terminal (A) to +12V battery fusible link.
- B.) RED 14 GA. wire from terminal (B) to tractor plug in cab.
- C.) BLACK 14 GA. wire from terminal (C) to -12V battery post.
- D.) RED 10 GA. wire from terminal (D) to switchbox.
- E.) RED 14 GA. wire from terminal (D) to temperature gauge. (optional). (ASM-JD-0083a)



ASSEMBLY

TRIPLE FLAIL HYDRAULIC DIAGRAM



(ASM-T3F-0020)



ASSEMBLY

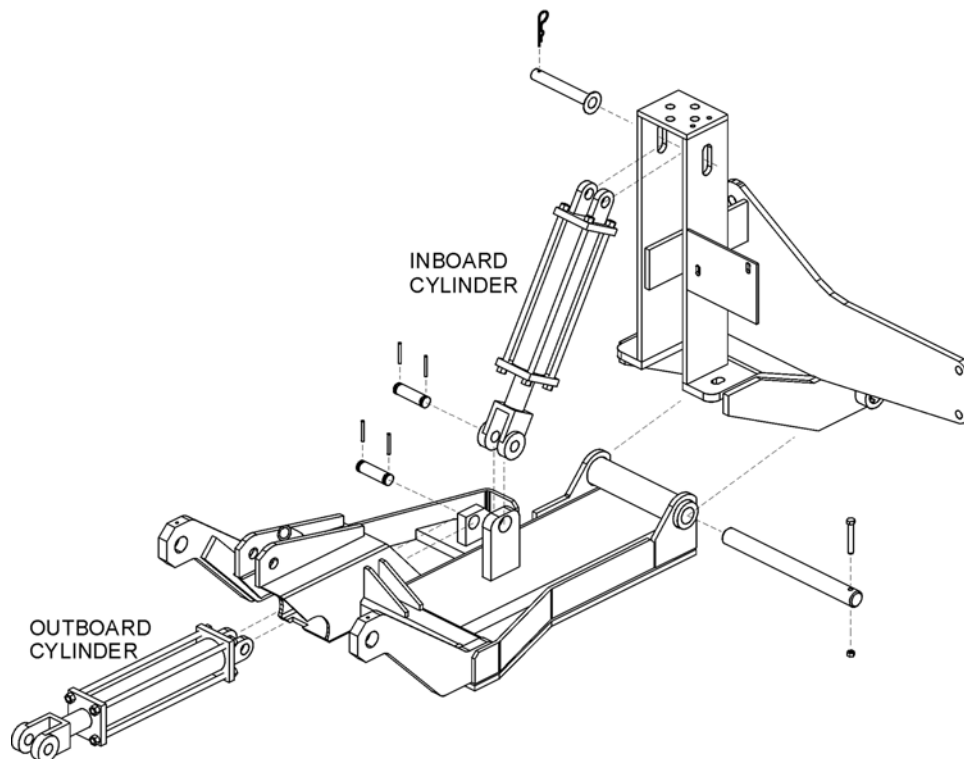
DRAFT BEAM INSTALLATION

Install ½" O-ring breather into butt port of inboard cylinder. Install fittings in the rod end of the cylinder according to the diagram in the Common Parts section. These fittings should be positioned to face the butt end of the cylinder.

Next turn the clevis onto the rod of the cylinder until it is tight against the shoulder and lock into place with locking bolt on clevis.

The inboard cylinder can now be installed into the main frame mast with the pin, flatwasher and R-clip as shown below.

Install all fittings in the outboard cylinder and adjust to point towards the butt end of the cylinder. Attach the hoses as specified in the Parts Section. Slide the cylinder into the draft beam from the outside of the draft beam and attach cylinder to the draft beam with clevis pin and rollpins. (ASM-C-0076)



DRAFT BEAM MOUNTING

Pull the inboard cylinder piston rod down to the extreme extended position. Slide the draft beam under the cylinder

Using the inboard cylinder as a pivot point, slide the draft beam under the tractor and install draft beam pin. Align hole in draft beam pin with holes in mainframe boss and install capscrew and nylock nut. (ASM-C-0078)



ASSEMBLY

LIMIT SWITCH MOUNTING

ASSEMBLING LIMIT SWITCH

Mount bracket 1-5/8" down from top edge on the inside of the rear arm of the draft beam, (Fig. A) square with inside corner as shown with the square corners against arm. Weld plate no more than 5/8" x 1/4" on top as shown.

Assemble limit switch with wheel on body side of arm and with the rear of arm mount aligned with fourth notch on arm as shown in Fig. C. Fasten limit switch cam to bonnet with the 7/16" x 3-1/2" pin bolt and flatwasher as shown in Fig. D.

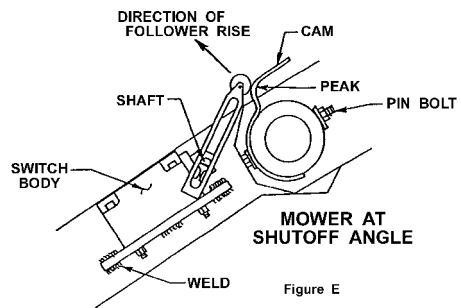
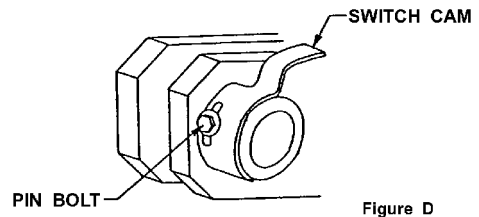
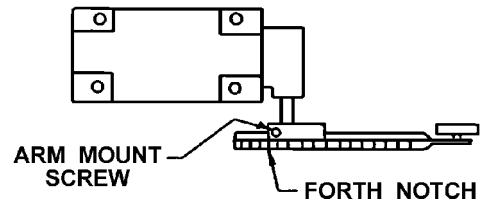
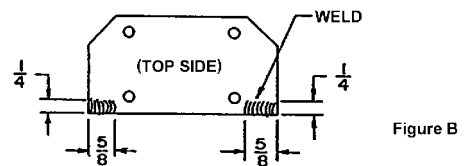
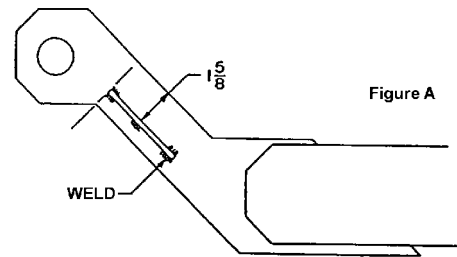
ADJUSTING LIMIT SWITCH

To adjust switch do as follows:

1. With cam in place and pin bolt installed, raise mower to desired shutoff angle.
2. With pin bolt loosened turn cam until roller follower just reaches peak (see Figure E) and tighten pin bolt.
3. With switch arm mount screw (see Figure C) loose turn shaft (see Fig. E) with screwdriver in direction of follower rise while holding follower against cam peak until switch clicks off and hold while tightening arm mount screw.

WIRING LIMIT SWITCH

Remove top cover on switch to expose terminals. Connect red wire to either of the back terminals, and the black wire to the other back terminal. Cut the white wire to solenoid valve at a place closest to the tilt-angle switch. Connect the red wire to one of the cut ends and the black wire to the other end. This connects the switch in series with the solenoid valve. (ASM-C-0028)

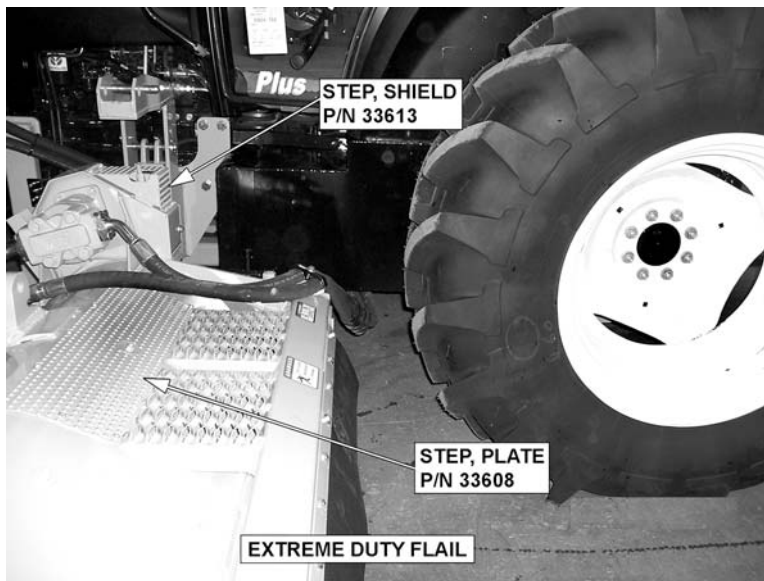
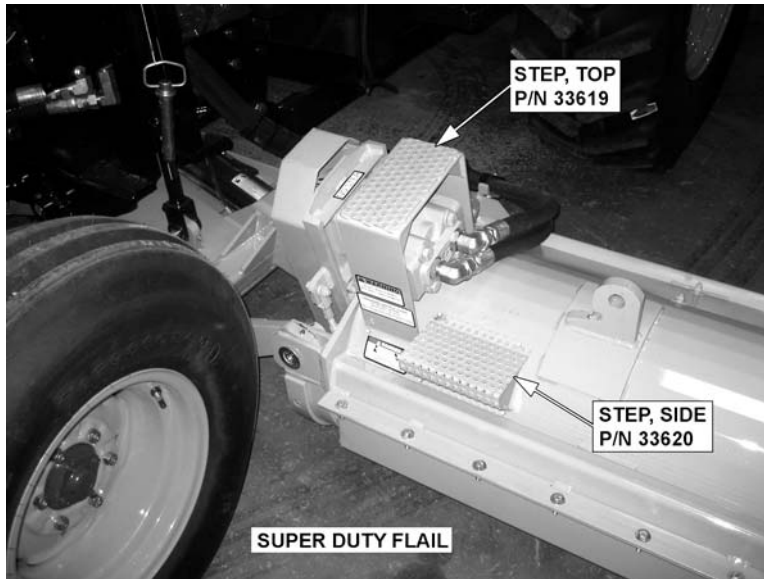


ASSEMBLY

LEFT SIDE FLAIL STEPS

To prevent damaging equipment and to prevent possible injury while mounting the tractor, steps need to be installed on the left side flail. The steps need to be placed as shown below and secured to the flail using the supplied 1/4" X 3/4" self-tapping machine screws P/N 42335.

(ASM-T3F-0024)

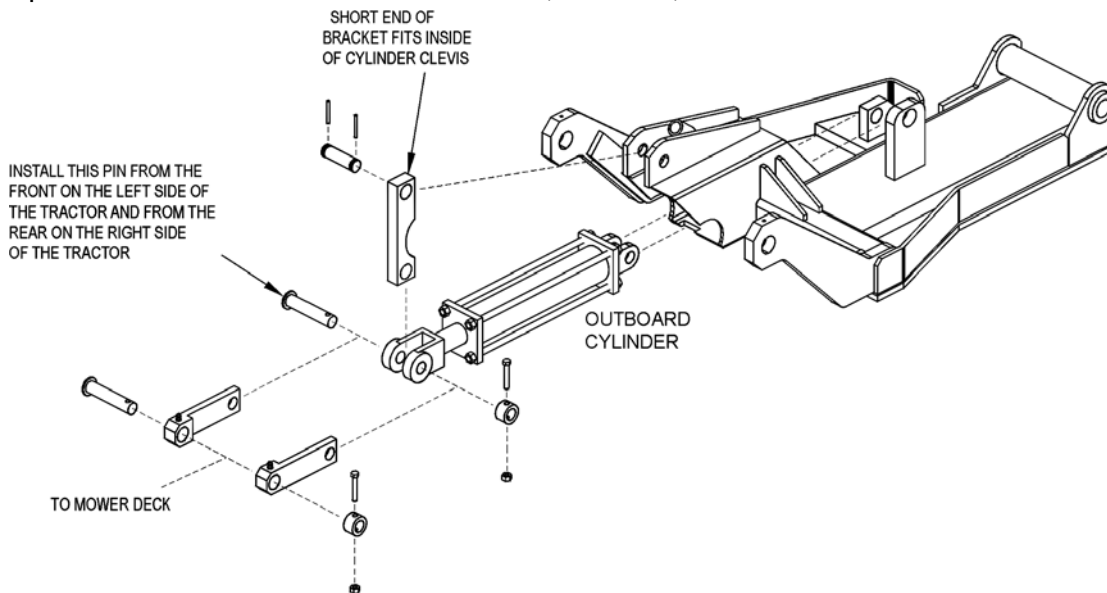


ASSEMBLY

MOWER MOUNTING

Check that all grease zerks have been installed in the draft beams pivot arm, left linkage arm, right linkage arm, and cylinder mounting ears.

Using a clevis pin and roll pins, connect the pivot arm to clevis on draft beam. NOTE: Make sure the longer distance between the cutout and the end of the pivot arm is closest to the draft beam pivot ears on the center tube as shown in the diagram below. Also make sure the cutout on the pivot arm faces into tube of draft beam. (ASM-C-0077)



Slide other end of pivot arm with short distance between the cutout and the end of the pivot arm, into the cylinder clevis. Next, line up the holes of the left and right lift linkage arms outside of the cylinder clevis holes. Connect with linkage pin, shims (as required), boss, capscrew, lockwasher and hex nut as shown.

To connect the bonnet to the draft beam, slide the extension arms of the draft beam between the mounting ears on the inner end of the bonnet. Line up the holes and secure with swivel pin, capscrew, lockwasher, and hex nut (both sides). See Parts Section illustration.

Next, slide the left and right linkage arms up to the slotted ear on the side of the deck. Secure with linkage pin, shims, boss, capscrew, lockwasher and hex nut. See illustration in Parts Section.

LIFT CONTROL FEEDLINES

Hose lengths will vary between tractor applications such as cab and non-cab units. See the Parts Section that pertains to your tractor for hose applications.

Install a hose from the bottom or inner valve port (behind cab for cab units, on stand for non-cab units) to the restrictor on the inboard cylinder gland.

Install a hose from the upper or outer valve port to the restrictor on the outboard cylinder butt. See Parts Section for part numbers and hose routing illustrations. (ASM-C-0093)



ASSEMBLY

TRAVEL LOCK INSTALLATION

Your side flail bonnet(s) may have come without the travel lock hook welded on. This is done after assembly to ensure a proper fit to your equipment. Follow the following steps to attach the travel lock. Make sure to wear the proper personal protection equipment.

1. Mount the left and/or right travel lock brackets loosely to each side of the mast frame. Refer to the Parts Section in this manual for part information.
2. Raise flail bonnets up to their highest position.
3. Lower draft beam cylinders 1-1/2 inches for travel lock hook clearance.
4. Mount the hook to the travel lock bracket with travel lock pin in place.
5. Line up the travel lock plate so that it is centered with the travel lock hook on each side.
6. Weld the plates to the bonnets.
7. Weld the hooks to the plates. (ASM-T3F-0025a)



ASSEMBLY

DECK / MOTOR FEEDLINE

Install the 1" hoses from the motor to the solenoid valve. Refer to the Parts Section for detailed information about hoses and fittings for this application.

Install split hoses around hydraulic hoses where they contact sharp edges, or any other edges that may rub hoses.

Be sure that all grease zerks are installed in the draft beam pin bosses. Grease all areas of the draft beam according to the instructions in the Maintenance Section. Re-check all fittings for tightness.

Fill hydraulic tank with fluid as recommended in the Maintenance Section. **BE SURE TO OPEN THE BALL VALVES.** Start the tractor and operate the inboard cylinder through the entire stroke and the outboard cylinder through the bottom $\frac{3}{4}$ stroke repeatedly to clear the lines of air. **DO NOT run outboard cylinder out to full stroke until stop bolt has been adjusted!**

Check for oil leaks at all fittings and connections using a piece of paper or cardboard. If a leak is found, you must shut down the tractor and set the cutter head on the ground. Before attempting to fix the leak, you must actuate the lift valve handles several times to relieve any pressure in the lines. **DO NOT USE HANDS TO CHECK FOR FLUID LEAKS!**

Raise the three point hitch and check the tractor internal hydraulics, fill to proper level if needed. (ASM-C-0079)



ASSEMBLY

FINAL PREPARATION FOR OPERATION

Place operator's safety and operation decals on the steering column and side console where they are clearly visible to the operator. These decals should be understood by each operator of the machine in conjunction with the Safety and Operation Sections of this book. The decals are to be maintained in good condition as a reminder to the operator, and should be replaced if damaged.

All bosses, pins and pivot points will need to be greased as instructed in the Maintenance Section of this manual. The hydraulic reservoir can also be filled with the recommended fluid (see Maintenance Section) and the filter installed in the top of the tank. Double check all fittings and fasteners BEFORE starting tractor. Also secure any loose hoses together with zip ties and wrap with split hoses where friction may occur on the hoses.



BEFORE starting or operating the tractor you must read and understand the Safety and Operation Sections of this manual completely.

BE SURE THE BALL VALVES ARE OPEN! Start tractor and allow instruments to stabilize. Using a piece of paper or cardboard as noted in the Safety and Maintenance Sections, check all fittings and connections for hydraulic leaks.

If a leak is found, you must shut down the tractor and set the cutter on the ground. Before attempting to fix the leak, you must actuate the lift valve handles several times to relieve any pressure in the lines.

Before operating the mower, the cutter head and boom should be slowly moved throughout the full range of motion. Watch for any condition that would cause pinching or excess stress on the hoses. The steering and front axle travel should also be carefully moved through their full range of motion. If any condition occurs in which the hoses contact the tires, the steering and / or front axle travel may need to be limited as described in the tractor operator's manual. This should also be done if the tires rub, or are extremely close to any other part of the mower, such as the hydraulic tank or draft beam. This may include adding shims or adjusting stop bolts in the tractor front to solve the problem. While checking motion, you should also check that the control circuits are connected according to the operator's decal for the valve handles.

MOWER TESTING

Take the tractor to a place free of loose objects on the ground. Operate the cylinders through their full range of motion again, to clear the lines of air. Follow the instructions in the Operation Section to operate the mower. Vibration of the mower should be minimal at all times. After a 5 minute test run, the knife bolts should be retorqued, and retorqued once again after the first few hours of operation.

If any parts of this Assembly Section, or any other section of this manual are not clearly understood you must contact your dealer or the address on the front of this manual for assistance! *(ASM-C-0010)*



ASSEMBLY



OPERATION SECTION

Operation Section 3-1

OPERATION

TIGER TRIPLE FLAIL MOWER OPERATING INSTRUCTIONS

Tiger Triple flail mowers are manufactured with quality material by skilled workers. These mowers are designed for cutting grass and small weeds. The mower is equipped with protective deflectors to prevent objects being thrown from the mower by the blades, however, no shielding is 100% effective. All shields, guards, and deflectors equipped on the mower must be maintained in good operational condition.

It is the operator's responsibility to be knowledgeable of all potential operating hazards and to take every reasonable precaution to ensure oneself, others, animals, and property are not injured or damaged by the mower, tractor, or a thrown object. Do not operate the mower if passersby, pets, livestock, or property are within 100 yards of the unit.

This section of the Operator's Manual is designed to familiarize, instruct, and educate safe and proper mower use to the operator. Pictures contained in this section are intended to be used as a visual aid to assist in explaining the operation of a Triple flail mower and are not specific to any model. Some pictures may show shields removed for picture clarity. NEVER operate implement without all shields in place and in good operational condition. The operator must be familiar with the mower and tractor and all associated safety practices before operating the mower and tractor. Proper operation of the mower, as detailed in this manual, will help ensure years of safe and satisfactory use of the mower.

IMPORTANT: To avoid mower damage, retorque all bolts after the first 10 hours of operation. Refer to the Torque Chart at the end of the Maintenance Section to ensure bolts are properly tightened.

READ AND UNDERSTAND THE ENTIRE OPERATING INSTRUCTIONS AND SAFETY SECTION OF THIS MANUAL AND THE TRACTOR MANUAL BEFORE ATTEMPTING TO USE THE TRACTOR AND IMPLEMENT. If you do not understand any of the instructions, contact your nearest authorized dealer for a full explanation. Pay close attention to all safety signs and safety messages contained in this manual and those affixed to the implement and tractor. (OPS-U-0001)

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 the Safety Messages. Always use good common sense to avoid hazards. (SG-2)

**SAFETY
INSTRUCTIONS**



PELIGRO

Si no lee ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad. (SG-3)

**¡ LEA EL
INSTRUCTIVO!**



OPERATION

1. OPERATOR REQUIREMENTS

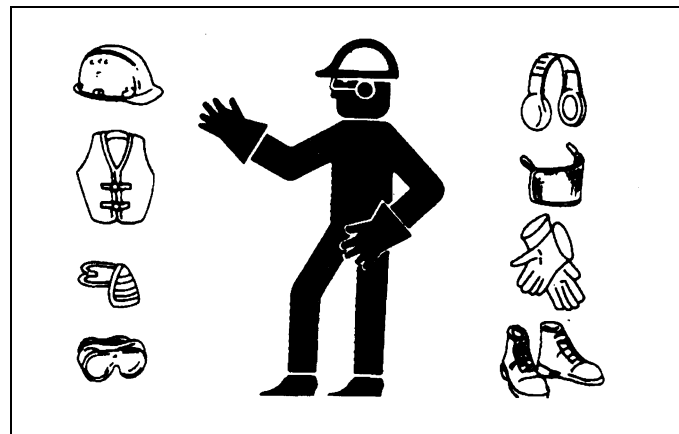
Safe operation of the unit is the responsibility of a qualified operator. A qualified operator has read and understands the implement and tractor Operator's Manuals and is experienced in implement and tractor operation and all associated safety practices. In addition to the safety messages contained in this manual, safety signs are affixed to the implement and tractor. If any part of the operation and safe use of this equipment is not completely understood, consult an authorized dealer for a complete explanation.

If the operator cannot read the manuals for themselves or does not completely understand the operation of the equipment, it is the responsibility of the supervisor to read and explain the manuals, safety practices, and operating instructions to the operator.

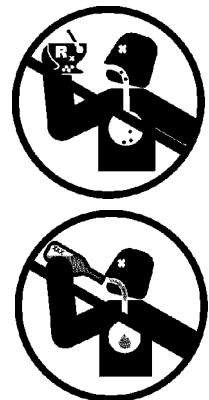
Safe operation of equipment requires that the operator wear approved Personal Protective Equipment (PPE) for the job conditions when attaching, operating, servicing, and repairing the equipment. PPE is designed to provide operator protection and includes the following safety wear:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Always Wear Safety Glasses
- Hard Hat
- Steel Toe Safety Footwear
- Gloves
- Hearing Protection
- Close Fitting Clothing
- Respirator or Filter Mask (depends on operating conditions) (OPS-U-0002)



NEVER use drugs or alcohol immediately before or while operating the Tractor and Implement. Drugs and alcohol will affect an operator's alertness and coordination and therefore affect the operator's ability to operate the equipment safely. Before operating the Tractor or Implement, an operator on prescription or over-the-counter medication must consult a medical professional regarding any side effects of the medication that would hinder their ability to operate the Equipment safely. NEVER knowingly allow anyone to operate this equipment when their alertness or coordination is impaired. Serious injury or death to the operator or others could result if the operator is under the influence of drugs or alcohol. (SG-27)



OPERATION

2. TRACTOR REQUIREMENTS

In addition to tractor horsepower and size required to operate the unit, the tractor must also be properly equipped to provide operator protection, to alert approaching vehicle drivers of the tractor's presence, and to ensure tractor stability when mowing.

Tractor Requirements and Capabilities

- ASABE approved Roll-Over Protective Structure (ROPS) or ROPS cab and seat belt.
- Tractor Safety Devices Slow Moving Vehicle (SMV) emblem, lighting, PTO master shield
- Tractor Horsepower..... 65 HP Min Recommended
- Power Take Off..... 540 RPM

2.1 ROPS and Seat Belt

The tractor must be equipped with a Roll-Over-Protective-Structure (ROPS) (tractor cab or roll-bar) and seat belt to protect the operator from falling off the tractor, especially during a roll over where the driver could be crushed and killed. Only operate the tractor with the ROPS in the raised position and seat belt fastened. Tractor models not equipped with a ROPS and seat belt should have these life saving features installed by an authorized dealer. *OPS-U- 0003*



Operate this Equipment only with a Tractor equipped with an approved roll-over-protective system (ROPS). Always wear seat belts. Serious injury or even death could result from falling off the tractor--particularly during a turnover when the operator could be pinned under the ROPS. (SG-7)



2.2 Tractor Safety Devices

If transporting or operating the tractor and implement near a public roadway, the tractor must be equipped with proper warning lighting and a Slow Moving Vehicle (SMV) emblem which are clearly visible from the rear of the unit. Lights and a SMV emblem must be equipped directly on implements if the visibility of the tractor warning signals are obscured.

Maintain all manufacturer equipped safety shields and guards. Always replace shields and guards that were removed for access to connect, service, or repair the tractor or implement. Never operate the tractor PTO with the PTO master shield missing or in the raised position. *OPS-U- 0004*

2.3 Tractor Horsepower

The horsepower required to operate the mower depends on many factors including the vegetation to be cut, terrain condition, operator experience, and condition of the mower and tractor. Operating the mower with a tractor that does not have adequate power may damage the tractor engine.

OPERATION



DO NOT use a PTO adapter to attach a non-matching Implement driveline to a Tractor PTO. Use of an adapter can double the operating speed of the Implement resulting in excessive vibration, thrown objects, and blade and implement failure. Adapter use will also change the working length of the driveline exposing unshielded driveline areas. Serious bodily injury and/or equipment failure can result from using a PTO adapter. Consult an authorized dealer for assistance if the Implement driveline does not match the Tractor PTO. (S3PT-14)



For non-independent PTO tractors - Never operate the Tractor and Mower if the Implement input driveline is directly connected to the Tractor transmission. Tractor braking distances can be substantially increased by the momentum of the rotating Mower blades driving the Tractor transmission even though the Tractor clutch has been disengaged. Install an over running clutch between the Tractor PTO and the Mower driveline to prevent this potentially dangerous situation. (S3PT-16_A)

3. GETTING ON AND OFF THE TRACTOR

Before getting onto the tractor, the operator must read and completely understand the implement and tractor operator manuals. If any part of either manual is not completely understood, consult an authorized dealer for a complete explanation. OPS-U- 0007



Do not mount or dismount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped. (SG-12)



3.1 Boarding the Tractor

Use both hands and equipped handrails and steps for support when boarding the tractor. Never use control levers for support when mounting the tractor. Seat yourself in the operator's seat and secure the seat belt around you.

Never allow passengers to ride on the tractor or attached equipment. Riders can easily fall off and be seriously injured or killed from falling off and being ran over. It is the operator's responsibility to forbid all extra riders at all times. OPS-U- 0008



Never allow children to operate, ride on, or come close to the Tractor or Implement. Usually, 16-17 year-old children who are mature and responsible can operate the implement with adult supervision, if they have read and understand the Operator's Manuals, been trained in proper operation of the tractor and Implement, and are physically large enough to reach and operate the controls easily. (SG-11)



OPERATION



Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death. (SG-10)



Do not mount or dismount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped. (SG-12)



OPERATION

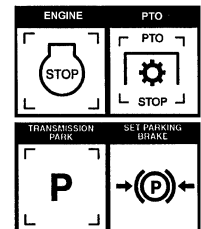
3.2 Dismounting the Tractor

Before dismounting the tractor, idle the tractor engine down and disengage the mowers. Park the tractor on a level surface, place the transmission in neutral and set the parking brake. Shut down the tractor engine, remove the key, and wait for all motion to come to a complete stop before exiting the operator's seat. NEVER leave the seat until the tractor, its engine, and mower head movement have come to a complete stop.

Use hand rails and extra steps when exiting the tractor. Be careful of your step and use extra caution when mud, ice, snow, and other matter has accumulated on the steps and handrails. Never rush or jump off the tractor. OPS-B- 0002_B



BEFORE leaving the tractor seat, always set the parking brake and/or set the tractor transmission in parking gear, disengage the PTO, stop the engine, remove the key, and wait for all moving parts to stop. Place the tractor shift lever into a low range or parking gear to prevent the tractor from rolling. Never dismount a Tractor that is moving or while the engine is running. Operate the Tractor controls from the tractor seat only. (SG-9)



OPERATION

4. STARTING THE TRACTOR

The operator must have a complete understanding of the placement, function, and operational use of all tractor controls before starting the tractor. Review the tractor operator's manual and consult an authorized dealer for tractor operation instructions if needed.

Essential Tractor Controls:

- Locate the ignition key/switch
- Locate the engine shut off control
- Locate the hydraulic control levers
- Locate the light control lever
- Locate the brake pedals and clutch
- Locate the PTO control
- Locate the 3 point hitch control lever
- Locate the operating controls

Before starting the tractor ensure the following:

- Conduct all pre-start operation inspection and service according to the tractor operator's manual.
- Make sure all guards, shields, and other safety devices are securely in place.
- The parking brake is on.
- The tractor transmission levers are in park or neutral.
- The mower operating controls are in the neutral and off position.
- The PTO control lever is disengaged.
- The hydraulic remote control levers are in the neutral position.

Refer to the tractor owner's manual for tractor starting procedures. Only start the tractor while seated and belted in the tractor operator's seat. Never bypass the ignition switch by short circuiting the starter solenoid. After the tractor engine is running, avoid accidental contact with the tractor transmission to prevent sudden and unexpected tractor movement. OPS-B- 0003_A



Never run the Tractor engine in a closed building or without adequate ventilation. The exhaust fumes can be hazardous to your health. (SG-23)



Start tractor only when properly seated in the Tractor seat. Starting a tractor in gear can result in injury or death. Read the Tractor operators manual for proper starting instructions. (SG-13)



5. CONNECTING THE MOWER TO THE TRACTOR

Use extreme caution when connecting the mower to the tractor. The mower should be securely resting at ground level or setting on blocks. Keep hands and feet from under the mower deck and clear of pinch points between the tractor hitch arms and mower pins. OPS-R-0001

OPERATION

⚠ DANGER

Always shut the Tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the Implement and Tractor hitches. (S3PT-15)

5.1 Connecting the Rear Flail to the Tractor

1. Make sure the tractor is equipped with the correct PTO shaft. Change shafts if needed.
2. Shorten or remove the tractor drawbar to avoid interference when raising and lowering the mower.
3. Board the tractor and start the engine. Position the tractor to the mower with the 3-point lift arms positioned between the respective set of mower A-frame lift lugs. **Note:** Set the 3-point lift control to "Position Control" so that the lift arms maintain a constant height when attaching the mower. See the tractor Operator's Manual for correct settings when attaching 3-point equipment.
4. Turn off the tractor engine and dismount.
5. One lift arm at a time, align arm end hole between the set of A-frame lift lugs. Insert hitch pin through the lug and arm holes and insert retaining pin into hitch pin.
6. Walk around to opposite side and repeat procedure for remaining lift arm and hitch pin.
7. Extend or retract 3-point top link to align its end hole with the holes of the mower's top link. Insert the top link hitch pin and insert retaining pin into hitch pin.
8. Adjust any lower link check chains, guide blocks, or sway blocks to prevent the mower from swaying side to side and possible contact with tractor rear tires.



OPERATION

5.2 Connecting the Side Flails to the Tractor

1. Install the Draft Beam onto the Main Frame.
2. Raise the Draft Beam to line up with the the 'ears' on the Side Flail and install Pins and hardware.
3. Connect the Linkage and Cylinder to the Side Flail.
4. Route and connect the hydraulic lines to the cylinders and from the Brake Valve to the Side Flail motor.



WARNING

Do not operate this Equipment with hydraulic oil or fuel leaking. Oil and fuel are explosive and their presence could present a hazard. Do not check for leaks with your hand! High-pressure oil streams from breaks in the line could penetrate the skin and cause tissue damage including gangrene. To check for a hose leak, SHUT the unit ENGINE OFF and remove all hydraulic pressure. Wear oil impenetrable gloves, safety glasses and use Cardboard to check for evidence of oil leaks. If you suspect a leak, REMOVE the HOSE and have it tested at a Dealer. If oil does penetrate the skin, have the injury treated immediately by a physician knowledgeable and skilled in this procedure. (SG-15)



WARNING

Avoid contact with hot surfaces including hydraulic oil tanks, pumps, motors, valves and hose connections. Relieve hydraulic pressure before performing maintenance or repairs. Use gloves and eye protection when servicing hot components. Contact with a hot surface or fluid can cause serious injury from burns or scalding. (SG-34)

DANGER

DO NOT allow any person under a side mower unless mower is securely locked up or supported. **DO NOT** approach the Implement unless the Tractor is turned off and all motion has ceased. Never work under the frame work, or any lifted component unless the implement is securely supported or blocked up. A sudden or inadvertent fall by any of these components could cause serious injury or even death. (STI-03_A)



OPERATION

6. SETTING THE MOWER

Properly setting the cutting height is essential for efficient and safe operation. A properly set mower will make a more uniform cut, distribute clippings more evenly, require minimal tractor work, and follow the contour of uneven terrain. **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. OPS-U- 0010



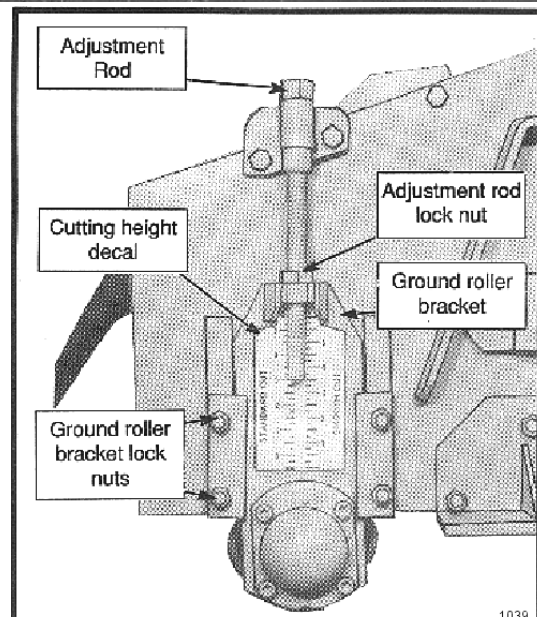
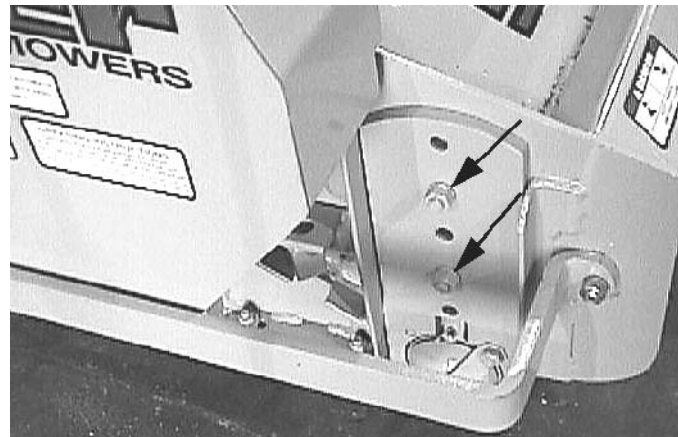
Never work under the Implement, the framework, or any lifted component unless the Implement is securely supported or blocked up to prevent sudden or inadvertent falling which could cause serious injury or even death. (SG-14)



6.1 Roller Height Adjustment

5. The mower's cutting height is set by positioning the roller assembly for each mower section. Each section must be set at the same height to ensure an even cut across the entire width of the mower.
6. Place the tractor and mower on a level surface and completely lower the mower to the ground.
7. Shut down the tractor, place the transmission in park, and set the parking brake before dismounting.
8. One section at a time, place lifting device (scissors jack or hydraulic jack) under center of cutter housing.
9. Remove hex nuts, washers and carriage bolts from brackets at each end of roller. Make certain that roller bracket is free to move once the fasteners are removed. A stuck roller could drop unexpectedly and cause injury.
10. For Standard Duty flails, use lifting device to reposition cutter housing to desired cutting height. Align bracket holes with cutter housing, then reinstall hardware.
11. For Heavy Duty flails, loosen the Adjustment rod lock nut and adjust height by turning the Adjustment Rod. Retighten the Adjustment rod lock nut and then reinstall hardware.
12. Lower cutter housing to the ground and remove lifting device.
13. Set cutting height according to procedures above for remaining two cutter sections. Make sure that all three rollers are set at the same height to ensure a even cut across the entire width of the mower.

Standard Duty



Heavy Duty

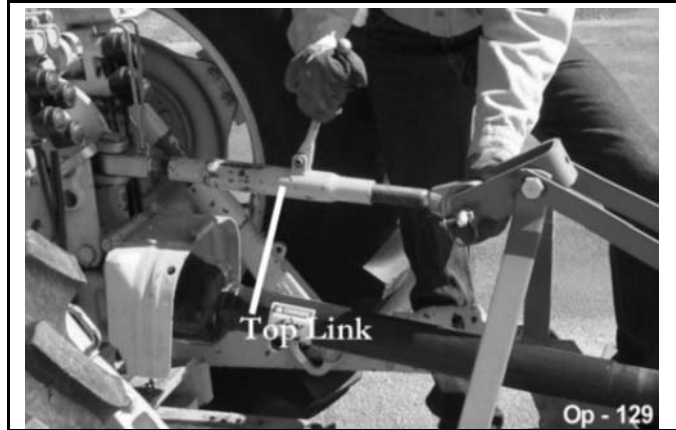
1039

OPERATION

6.2 Leveling Deck

To facilitate a safe and efficient mowing operation, the mower should be operated parallel to the ground at all times. Never operate if front or rear of mower is tilted upward. Objects may be discharged at high speeds causing possible injury or even death.

Adjust Top Link to level mower roller adjustment. Side Skid Shoes should always be parallel to ground throughout the full adjustment range. Adjust cutting height of machine by raising or lowering rear roller as specified in Operation Section.



WARNING

Do not let the Blades turn when the Mower Deck is raised for any reason, including clearance or for turning. Raising the Mower deck exposes the Cutting Blades which creates a potentially serious hazard and could cause serious injury or even death from objects thrown from the Blades. (SRM-07)



7. DRIVELINE ATTACHMENT

The driveline yoke and tractor PTO shaft must be dirt free and greased for attachment.

To connect the mower driveline to the tractor PTO output shaft, pull the driveline yoke collar back and align the grooves and splines of the yoke with those of the PTO shaft. Push the driveline yoke onto the PTO shaft, release the locking collar, and position the yoke until the locking collar balls are seated onto the PTO shaft. Push and pull the driveline back and forth several times to ensure a secure attachment.



After the driveline is securely attached, place the tractor PTO master shield back in the operating position. OPS-R-0003

Driveline Length Check

WARNING

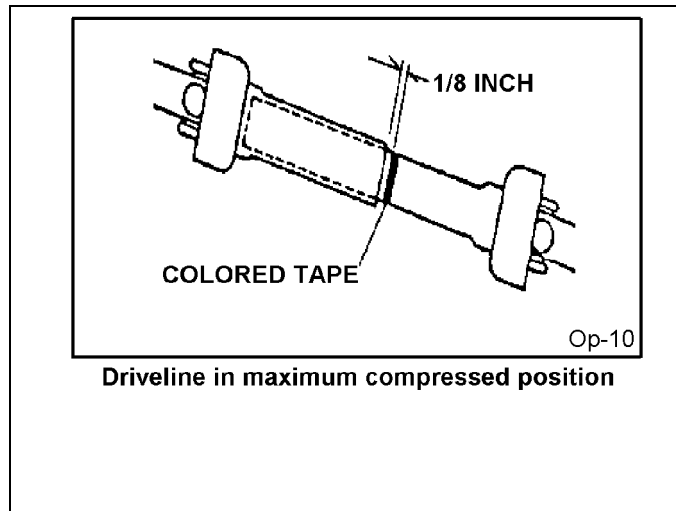
Before operating the Implement, check to make sure the Implement input driveline will not bottom out or become disengaged. Bottoming out occurs when the inner shaft penetrates the outer housing until the assembly becomes solid-it can shorten no more. Bottoming out can cause serious damage to the Tractor PTO by pushing the PTO into the Tractor and through the support bearings or downward onto the PTO shaft, breaking it off. A broken driveline can cause personal injury. (S3PT-18)

OPERATION

When fitting the mower to the tractor, the telescoping driveline must be inspected to ensure that at its most compressed position, the profiles do not “bottom out”, and when at its farthest extended position, there is sufficient engagement between the profiles to operate safely. At its shortest length, there must be at least a 1” clearance between each profile end and opposite profile universal joint. At its farthest operating extension, a minimum profile engagement of 12” must be maintained.

“Bottoming Out” Check Procedure

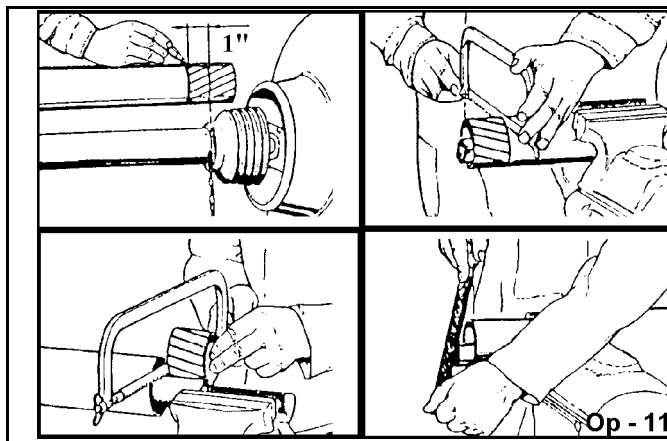
- Disconnect driveline from the tractor and slide the profiles together until fully compressed.
- Place a mark on the inner shield 1/8” from the end of the outer shield and reattach the driveline to the PTO Shaft.
- With the **PTO NOT TURNING**, slowly drive the tractor with mower attached through the sharpest turn possible and watch shaft movement. With the **PTO NOT TURNING**, slowly drive the tractor with the mower attached through the most severe terrain conditions expected and watch shaft movement.
- If the distance between the mark and the outer shield becomes less than 2” at any point there is a potential problem bottoming out the driveline and the driveline should be shortened.
OPS-F-0001



OPERATION

Shorten the driveline profiles as follows:

- Remove the driveline from the tractor.
- Position the mower to the point with the shortest distance between the tractor PTO shaft and cutter gearbox. Shut down the tractor and securely block the mower in this position.
- Pull driveline apart and reattach yoke to PTO shaft.
- Hold driveline sections parallel to one another and measure back 1" from yoke of each shaft and place mark on opposite section. Cut this length off with a saw.
- Round off all sharp edges and debur.
- Thoroughly grease then reinstall the driveline.
- Recheck for proper operation.



Engagement Check Procedure

- With the driveline attached, position the mower to the point where the telescoping driveline is at its maximum extension. Completely shut down the tractor and secure in position.
- Mark the inner driveline shield 1/8" from the end of the outer shield.
- Disconnect the driveline from the tractor and separate the two driveline halves.
- Measure the distance from the mark to the end of the inner profile. This length is the amount the driveline profiles were engaged.
- If the engaged length is less than 12" the shaft is considered too short and should be replaced with a longer shaft. Consult an authorized dealer to purchase the required driveline length.

NOTE: If the driveline cannot be shortened and still maintain the required profile engagement, the operator must be made aware of terrain conditions and avoid situations which pose a potential problem to avoid damaging the driveline. OPS-F-0002

8. PRE-OPERATION INSPECTION AND SERVICE

Before each use, a pre-operation inspection and service of the implement and tractor must be performed. This includes routine maintenance and scheduled lubrication, inspecting that all safety devices are equipped and functional, and performing needed repairs. DO NOT operate the unit if the pre-operation inspection reveals any condition affecting safe operation. Perform repairs and replacement of damaged and missing parts as soon as noticed. By performing a thorough pre-operation inspection and service, valuable down time and repair cost can be avoided. OPS-U-0029



Always disconnect the main PTO Driveline from the Tractor before performing service on the Mower. Never work on the Mower with the tractor PTO driveline connected and running. Blades or Drivelines could turn without warning and cause immediate entanglement, injury or death. (SRM-3)

OPERATION

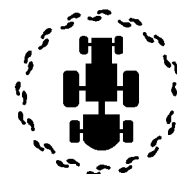
⚠ DANGER

DO NOT allow any person under a side mower unless mower is securely locked up or supported. **DO NOT** approach the Implement unless the Tractor is turned off and all motion has ceased. Never work under the frame work, or any lifted component unless the implement is securely supported or blocked up. A sudden or inadvertent fall by any of these components could cause serious injury or even death. (STI-03_A)



⚠ WARNING

Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Make sure all pins have attaching hardware. Serious injury may occur from not maintaining this machine in good working order. (SG-21_A)



8.1 Tractor Pre-Operation Inspection/Service

Refer to the tractor operator's manual to ensure a complete pre-operation inspection and scheduled service is performed according to the manufacturers recommendations. The following are some of the items that require daily service and inspection:

- Tire condition/air pressure
- Wheel lug bolts
- Steering linkage
- PTO shield
- SMV sign is clean and visible
- Tractor's lights are clean and functional
- Tractor Seat belt is in good condition
- Tractor ROPS is in good condition
- ROPS is in the raised position
- No tractor oil leaks
- Radiator free of debris
- Engine oil level and condition
- Engine coolant level and condition
- Power brake fluid level
- Power steering fluid level
- Fuel condition and level
- Sufficient lubrication at all lube points
- Air filter condition *OPS-U-0030*



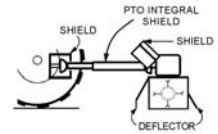
OPERATION

8.2 Mower Pre-Operation Inspection/Service

Before each mower use, a complete inspection and service is required to ensure the mower is in a good and safe working condition. Damaged and/or broken parts should be repaired and/or replaced immediately. To ensure the mower is ready for operation, conduct the following. OPS-R-0007



All Safety Shields, Guards and Safety devices including (but not limited to) - the Deflectors, Steel Guards, Gearbox Shields, PTO integral shields, and Retractable Door Shields should be used and maintained in good working condition. All safety devices should be inspected carefully at least daily for missing or broken components. Missing, broken, or worn items must be replaced at once to reduce the possibility of injury or death from thrown objects, entanglement, or blade contact. (SFL-5)



Replace bent or broken blades with new blades. NEVER ATTEMPT TO STRAIGHTEN, WELD, OR WELD HARDFACING ON BLADES SINCE THIS WILL LIKELY CRACK OR OTHERWISE DAMAGE THE BLADE WITH SUBSEQUENT FAILURE AND POSSIBLY CAUSE SERIOUS INJURY FROM THROWN BLADES. (SGM-10)

The operator's manual and safety signs affixed on the unit contain important instructions on the safe and proper use of the equipment. Maintain these important safety features on the implement in good condition to ensure the information is available to the operator at all times.

- Ensure all safety signs are in place and legible. Replace missing, damaged, and illegible decals. OPS-U- 0011_A



- Check that the main driveline securely attached to the tractor and the locking collar is seated in the groove of the PTO Shaft.
- Ensure side mower hydraulics are secure at both ends. OPS-F- 0003_A



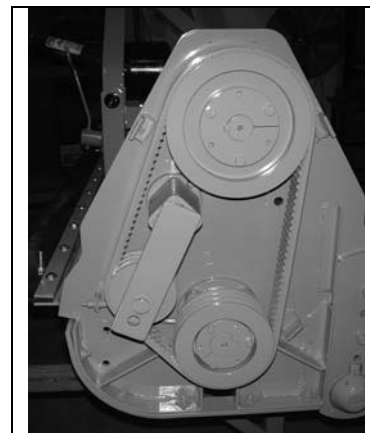
OPERATION

OPERATION

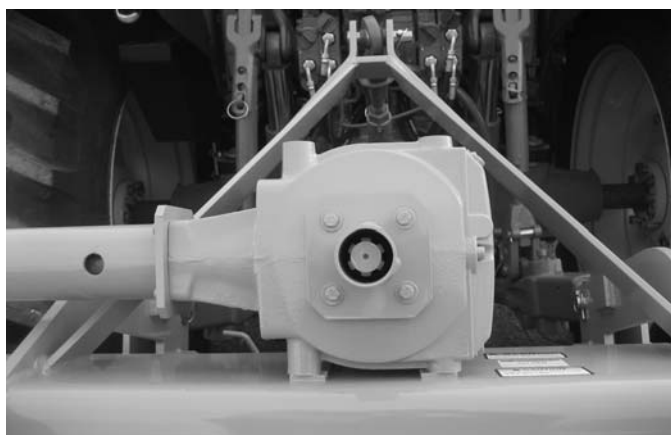
- Ensure rubber deflectors are in position and not damaged. Replace worn, broken, and missing sections immediately.
- Ensure the rollers are in good condition and rotate freely.
- Ensure the driveline integral shield is in good condition and rotate freely.
- Inspect that all bolts and screws are in position and are properly torqued. *OPS-F- 0004*



- Inspect the condition of the side mowers and rear mower drive belts.
- Ensure the slip clutch (rear mower section only) is properly adjusted and the friction plates are not frozen together. Reference the Maintenance Section for proper slip clutch maintenance.
- Ensure the slip clutch shield and drive belts shields are in place and in good repair.
- Ensure the tractor PTO master shield is in place, lowered and in good condition. *OPS-F- 0005_A*



- Inspect oil level in gearbox and replenish if needed. A low oil level is a warning sign that the gearbox may be cracked or its seal is damaged and needs to be replaced.
- Check the oil level in tank and replenish if need. **NOTE:** Do not fill the tank with oil above the level of the sight gauge. Over filling the tank with oil after initial filling may result in oil being discharged through the breather cap on the top of the hydraulic tank.
- Perform scheduled lubrication as specified in the maintenance section. *OPS-F- 0006_A*



OPERATION

- Inspect cutter knives and knife pins for looseness and excessive wear. Make sure the mower is securely blocked up before crawling beneath. Replace damaged, worn, and missing knives as complete sets to maintain cuttershaft balance.
- Remove any grass or other debris which may be wrapped around the cuttershafts.
- Inspect the condition of deck skid shoes and hardware. *OPS-F- 0007*



OPERATION

OPERATION

Tractor PRE-OPERATION Inspection



Mower ID# _____ Make _____

Date: _____ Shift _____



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

| Item | Condition at Start of Shift | Specific Comments if not O.K. |
|--|-----------------------------|-------------------------------|
| The flashing lights function properly | | |
| The SMV Sign is clean and visible | | |
| The tires are in good condition with proper pressure | | |
| The wheel lug bolts are tight | | |
| The tractor brakes are in good condition | | |
| The steering linkage is in good condition | | |
| There are no visible oil leaks | | |
| The hydraulic controls function properly | | |
| The ROPS or ROBS Cab is in good condition | | |
| The seatbelt is in place and in good condition | | |
| The 3-point hitch is in good condition | | |
| The drawbar pins are securely in place | | |
| The PTO master shield is in place | | |
| The engine oil level is full | | |
| The brake fluid level is full | | |
| The power steering fluid level is full | | |
| The fuel level is adequate | | |
| The engine coolant fluid level is full | | |
| The radiator is free of debris | | |
| The air filter is in good condition | | |

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

This Inspection Form may be freely duplicated for extra copies.

OPERATION

Flail Mower PRE-OPERATION Inspection



Mower ID# _____ Make _____

Date: _____ Shift _____



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

| Item | Condition at Start of Shift | Specific Comments if not O.K. |
|---|-----------------------------|-------------------------------|
| The Operator's Manual is in the canister | | |
| All safety decals are in place and legible | | |
| The Mounting frame bolts are in place and tight | | |
| The connection bolts & pins are tight | | |
| There are no cracks in mower | | |
| The Hydraulic Cylinders pins are tight | | |
| The Hydraulic Pump hose connections are tight | | |
| The Hydraulic Valve hose connections are tight | | |
| The Hydraulic Valve controls function properly | | |
| There are no leaking or damaged hoses | | |
| The Hydraulic Oil level is full | | |
| There is no evidence of Hydraulic leaks | | |
| The Blades are not chipped, cracked or bent | | |
| The Blade bolts are tight | | |
| The Deflectors are in place and in good condition | | |
| The shields are in place and in good condition | | |
| The Skid shoes are in good condition & tight | | |
| The Hyd. motor mounting bolts are tight | | |

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

OPERATION

9. DRIVING THE TRACTOR AND IMPLEMENT

Safe tractor transport requires the operator possess a thorough knowledge of the model being operated and precautions to take while driving with an attached implement. Ensure the tractor has the capacity to handle the weight of the implement and the tractor operating controls are set for safe transport. To ensure safety while driving the tractor with an attached implement, review the following. *OPS-U- 0012*



This Implement may be wider than the Tractor. Be careful when operating or transporting this equipment to prevent the Implement from running into or striking sign posts, guard rails, concrete abutments or other solid objects. Such an impact could cause the Implement and Tractor to pivot violently resulting in loss of steering control, serious injury, or even death. Never allow the Implement to contact obstacles. (S3PT-12)



Transport only at speeds where you can maintain control of the equipment. Serious accidents and injuries can result from operating this equipment at high speeds. Understand the Tractor and Implement and how it handles before transporting on streets and highways. Make sure the Tractor steering and brakes are in good condition and operate properly.



Before transporting the Tractor and Implement, determine the proper transport speeds for you and the equipment. Make sure you abide by the following rules:

Test the tractor at a slow speed and increase the speed slowly. Apply the Brakes smoothly to determine the stopping characteristics of the Tractor and Implement. As you increase the speed of the Tractor the stopping distance increases. Determine the maximum transport speed not to exceed 20 mph (30 kph) for transporting this equipment.

Test the equipment at a slow speed in turns. Increase the speed through the turn only after you determine that the equipment can be operated at a higher speed. Use extreme care and reduce your speed when turning sharply to prevent the tractor and implement from turning over. Determine the maximum turning speed for you and this equipment before operating on roads or uneven ground.

Only transport the Tractor and Implement at the speeds which allow you to properly control the equipment.

Be aware of the operating conditions. Do not operate the Tractor with weak or faulty brakes or worn tires. When operating down a hill or on wet or rain slick roads, the braking distance increases: use extreme care and reduce your speed. When operating in traffic always use the Tractor's flashing warning lights and reduce your speed. Be aware of traffic around you and watch out for the other guy. (SG-19)



OPERATION

9.1 Starting the Tractor

The procedure to start the tractor is model specific. Refer to the tractor operator's manual for starting procedures for your particular tractor. Consult an authorized dealer if the starting procedure is unclear. Ensure the 3-point control lever is in the lowered position and the PTO is disengaged before starting the tractor. OPS-U-0033



9.2 Brake and Differential Lock Setting

Make sure the tractor brakes are in good operating condition. Tractor brakes can be set to operate independently allowing single rear wheel braking action or locked together to provide simultaneous rear wheel braking. FOR MOST DRIVING AND OPERATING CONDITIONS, THE BRAKE PEDALS SHOULD BE LOCKED TOGETHER TO PROVIDE THE MOST EFFECTIVE BRAKING ACTION.

Always disengage the tractor differential lock when turning. When engaged the differential lock will prevent or limit the tractor from turning. During normal cutting conditions, locking the differential provides no benefit and should not be used.

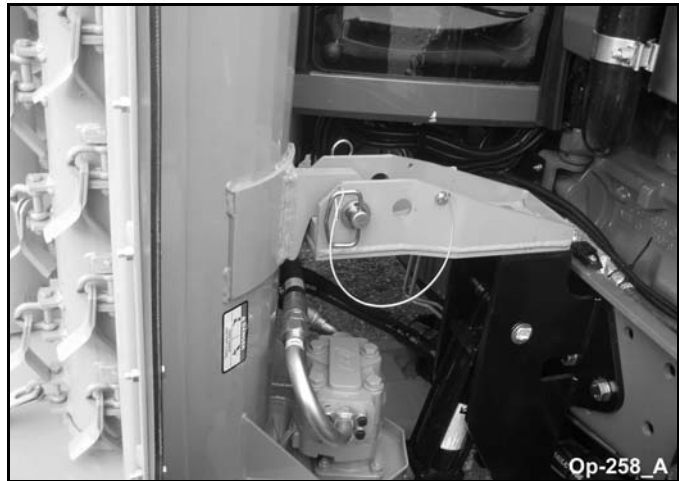
OPS-U-0013



OPERATION

9.3 Transport Position

1. With tractor engine running, place ON/OFF switch(s) in "OFF" position and wait for cuttershaft(s) to stop rotating.
2. Pull LIFT control lever rearward until lift frame is as high as it will go.
3. Pull TILT control lever rearward until bracket on unit is above travel lock bracket on lift cylinder support. It takes some effort to pull TILT lever from "FLOAT" position.
4. Push LIFT control lever forward enough to lower unit slowly. Install the travel lock pin. It must pass through bracket on unit as shown in **Figure Op-258_A**.
5. Make certain that all control levers are in "HOLD" position when transporting unit.



The mower's center of gravity is raised making the mower more prone to tipping when the side mowers are in the raised position. Use extreme caution when in the transport position and avoid uneven terrain which could upset the mower.



When the side mowers are folded for transport, the center of gravity is raised and the possibility of overturn is increased. Drive slowly and use extreme caution when turning on hillsides. Overturning the Implement could cause the Implement to overturn the Tractor and vice versa resulting in serious injury or even death. Never fold side mowers on a hillside...the Implement or unit may overturn. (STI-02_A)

OPERATION

9.4 Operating Position

Ensure that ON/OFF switch(es) is (are) in "OFF" position. Remove travel lock pin. With tractor engine running, pull LIFT control lever rearward until bracket on cutter unit clears the travel lock bracket on lift cylinder support. Push TILT control lever forward until cutter unit is level with ground. Push LIFT lever forward enough to slowly lower unit until it touches ground, then push both levers forward to "FLOAT" position.

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



It takes some effort to pull TILT lever from "FLOAT" position because of detent spring.

The mower must be operated with the cutter sections fully lowered and the hydraulic control lever in the float detent to ensure the mower follows the contour of the ground and to prevent sections from creeping up. NEVER attempt to raise the mower while the mower is operating.

OPERATION

9.5 Driving the Tractor and Implements

Start off driving at a slow speed and gradually increase your speed while maintaining complete control of the tractor and units. Moving slowly at first will also prevent the tractor from rearing up and loss of steering control. The tractor should never be operated at speeds that cannot be safely handled or which will prevent the operator from stopping quickly during an emergency. If the power steering or engine ceases operating, stop the tractor immediately as the tractor will be difficult to control.



Drive the tractor with the 3-Point lift arms in the raised position and lock the control lever in the transport detent position to prevent damage to the mower driveline when turning.

Perform turns with the tractor and units at slow speeds to determine how the tractor with an attached mower handles a turn. Determine the safe speed to maintain proper control of the tractor when making turns.



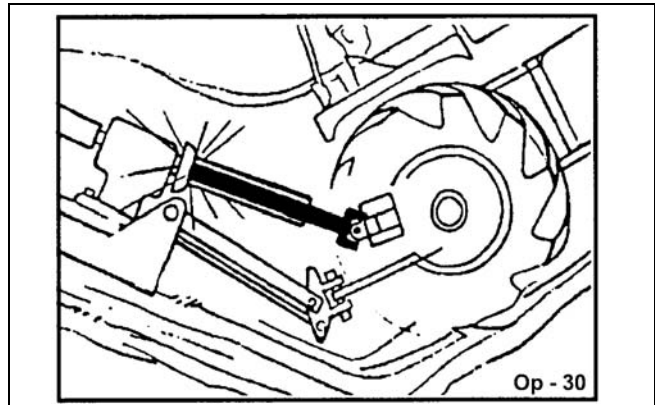
To avoid overturns, drive the tractor with care and at safe speeds, especially when operating over rough ground, crossing ditches or slopes, and turning corners. Tractor wheel tread spacing should be increased when working on inclines or rough ground to reduce the possibility of tipping.

Use extreme caution when operating on steep slopes. Keep the tractor in a low gear when going downhill. **DO NOT** coast or free-wheel downhill.
OPS-F- 0009_B

OPERATION

9.6 Crossing Ditches and Steep Inclines

When crossing ditches with steep banks or going up sharp inclines, it is possible that the main driveline inner profile will penetrate into the outer housing to its maximum depth until the assembly becomes solid (driveline is at its extreme shortest length). This type of abusive operation can cause serious damage to the tractor and mower drive by pushing the PTO into the tractor and through the support bearings or downward onto the PTO shaft, breaking it off.

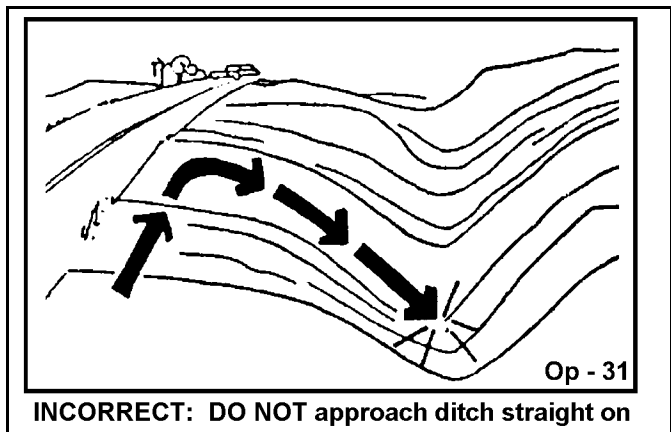


WARNING

Damage resulting from over-collapse of the driveline's inner profile and its outer housing may allow the driveline to come loose from the Tractor which could cause bodily injury to the operator or bystanders and/or extensive damage to the Tractor or Implement. OPS-R-0020

When confronted with an incline or ditch, do not approach from an angle which is perpendicular or straight on as damaged to over collapse of the driveline may occur.

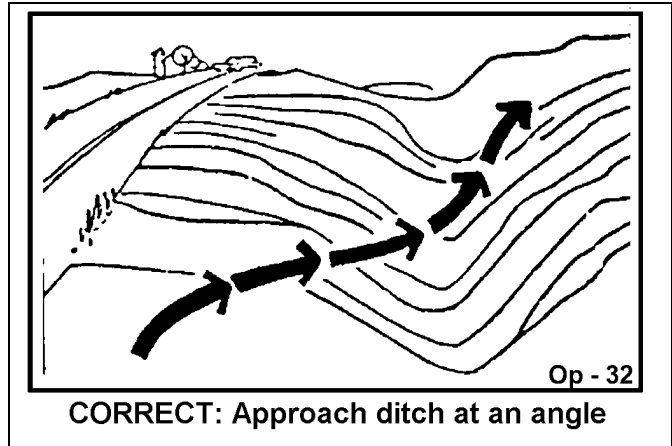
When crossing such terrain, the implement should be fully lowered for a lower center of gravity and added stability. OPS-R-0021



OPERATION

Inclines and ditches should be approached along a line which is at an angle as shown. This type of path will reduce the possibility of over-collapse of the driveline and resulting damage. If the gradient is so steep that such an approach increases the possibility of a tractor roll-over, select an alternate crossing path.

When operating the tractor and mower across slopes and inclines, through ditches, and other uneven terrain conditions, it is important to maintain sufficient deck to ground clearance. Blade contact with the ground may cause soil, rocks and other debris to be thrown out from under the mower resulting in possible injury and/or property damage. Ground contact also produces a severe shock load on the mower drive and to the mower blades resulting in possible damage and premature wear.
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. The operator must read and understand the Safety and Operation Sections of the implement and tractor operator's manuals. These manuals must be read and explained to any operator who cannot read. Never allow someone to operate the implement and tractor without complete operating instructions.

Before starting any operation, the operator must become familiar with the area to be worked in and any obstacles and hazards contained within to ensure safety to the operator, bystanders, and equipment. Special attention should be paid to foreign debris, rough terrain, steep slopes, and passersby and animals in the area.
OPS-U-0015



Extreme care should be taken when operating near loose objects such as gravel, rocks, wire, and other debris. Inspect the area before mowing. Foreign objects should be removed from the site to prevent machine damage and/or bodily injury or even death. Any objects that cannot be removed must be clearly marked and carefully avoided by the operator. Stop mowing immediately if blades strike a foreign object. Repair all damage and make certain rotor or blade carrier is balanced before resuming mowing. (SGM-05)



OPERATION

⚠️ WARNING

Many varied objects, such as wire, cable, rope, or chains, can become entangled in the operating parts of the mower head. These items could then swing outside the housing at greater velocities than the blades. Such a situation is extremely hazardous and could result in serious injury or even death. Inspect the cutting area for such objects before mowing. Remove any like object from the site. Never allow the cutting blades to contact such items.

(SGM-06)

10.1 Foreign Debris Hazards

Before mowing, inspect the area to make sure there are no foreign objects that the mower blades could hit or become entangled with. Remove all foreign objects and debris. If objects are too big to remove, mark them clearly and be sure to prevent the mower blades from contacting them.

If you hit a solid object or foreign debris, stop the mower and tractor at once. Immediately idle the engine speed and disengage the PTO. Wait for all mower rotating motion to stop, then raise the mower and move the tractor and implement off the object. Inspect the area and remove, or mark the location of the debris. Inspect the condition of the mower and make any needed repairs immediately. Make sure the blades are not damaged and the carrier is balanced before resuming operation.



Always wear your seat belt securely fastened and only operate the tractor and mower with the ROPS in the raised position. If the tractor or mower hits a tree stump, rock, or bump, a sudden movement could throw you off of the seat and under the tractor and/or mower. The seat belt is your best protection from falling off the tractor and the ROPS provides protection from being crushed during a tractor roll-over. OPS-F-0010



10.2 Bystanders/Passersby Precautions

If a bystander comes within 300 feet of the tractor while the mower is being operated, stop the tractor at once, idle the engine and disengage the PTO. Do not engage the PTO again until all bystanders are well past the 300 foot distance. OPS-R-0024

OPERATION



Flail Mowers are capable under adverse conditions of throwing objects for great distances (300 feet or more) and causing serious injury or death. Follow safety messages carefully.



STOP MOWING IF PASSERSBY ARE WITHIN 300 FEET UNLESS:

- Front and Rear Deflectors, Chain Guards, or Bands are installed and in good, workable condition;
- Mower sections are running close to and parallel to the ground without exposed Blades;
- All areas have been thoroughly inspected and all foreign material such as rocks, cans, glass, and general debris has been removed.

NOTE: *Where there are grass and weeds high enough to hide debris that could be struck by the blades, the area should be: inspected and large debris removed, mowed at an intermediate height, inspected closely with any remaining debris being removed, and mowed again at desired final height. (This will also reduce power required to mow, reduce wear and tear on the Mower drivetrain, spread cut material better, eliminate streaking, and make the final cut more uniform.)* (SFL-6_A)

10.3 Engaging the Power Take Off (PTO)

Before engaging the PTO, make certain that the area is clear of bystanders and passersby. The implement must be completely lowered and the deck positioned at a safe operating height. NEVER engage the PTO with the implement in the raised position.

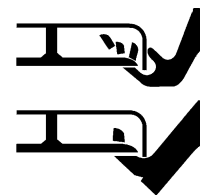
Set the tractor engine speed at approximately 1,000 RPM before engaging the PTO. Shift the PTO control to the on position, and slowly increase the engine speed until the PTO is operating at the rated speed. If you hear unusual noises or see or feel abnormal vibrations, disengage the PTO immediately. Inspect the implement to determine the cause of the noise or vibration and repair the abnormality. OPS-U- 0027



Do not let the Blades turn when the Mower Deck is raised for any reason, including clearance or for turning. Raising the Mower deck exposes the Cutting Blades which creates a potentially serious hazard and could cause serious injury or even death from objects thrown from the Blades. (SRM-07)



Do not put hands or feet under mower decks. Blade Contact can result in serious injury or even death. Stay away until all motion has stopped and the decks are securely blocked up. (SGM-09)



OPERATION

10.4 PTO RPM and Ground Speed

Ground speed for mowing will depend upon the height, type, and density of vegetation to be cut. Recommended speed for efficient mower performance is between 2 and 5 mph(3-8 kph). Operate the mower at its full rated PTO speed to maintain blade speed for a clean cut. Refer to the tractor operator's manual or the tractor instrument panel for the engine speed and gear to provide the required PTO and desired ground speed. Make sure that the mower is operating at its full rated speed before entering the vegetation to be cut. If it becomes necessary to temporarily regulate engine speed, increase or decrease the throttle gradually.

Ground speed is achieved by transmission gear selection and not by the engine operating speed. The operator may be required to experiment with several gear range combinations to determine the best gear and range which provides the most ideal performance from the mower and most efficient tractor operation. As the severity of cutting conditions increase, the ground speed should be decreased by selecting a lower gear to maintain the proper operating PTO speed. OPS-R-0025



Do not exceed the rated PTO speed for the Implement. Excessive PTO speeds can cause Implement driveline or blade failures resulting in serious injury or death. (SG-26)



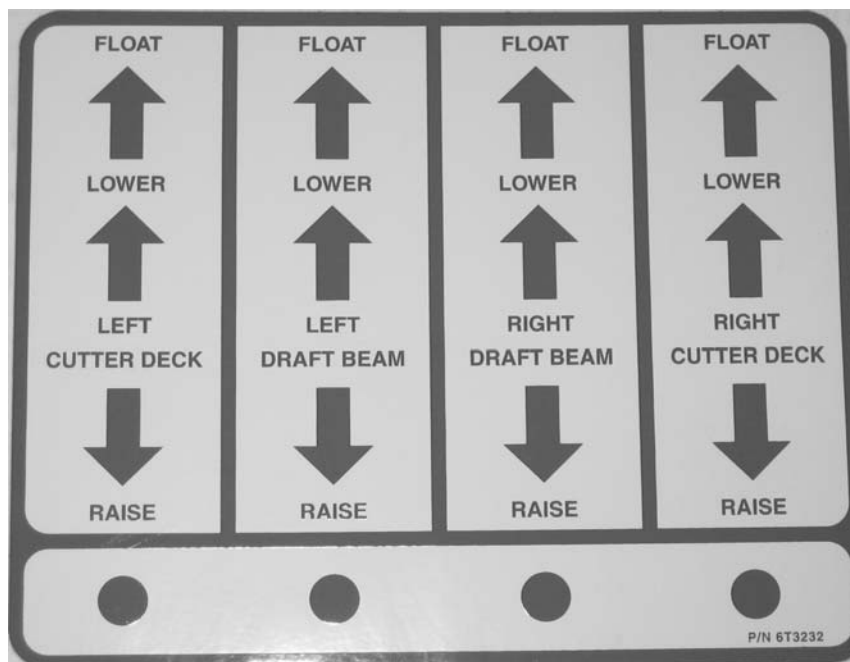
Mow at the speed that you can safely operate and control the tractor and mower. The correct mowing speed depends on terrain condition and grass type, density, and height of cut. Normal ground speed range is from 2 to 5 mph(3-8 kph). Use slow mowing speeds when operating on or near steep slopes, ditches, drop-offs, overhead obstructions, power lines, or when debris and foreign objects are to be avoided. (SGM-07)

T3F DECAL

OPERATION

11. CONTROL LOCATION AND FUNCTIONS

The left and right mower height is controlled with a four spool valve and is coordinated as shown below. Always mow with the controls in the float position. Be sure to install the travel lock pins whenever the mower is to be transported by truck and trailer.



The rear mower height is controlled with the 3-point hitch control lever. Follow the instructions for this control in the tractor operator's manual. The tilt of the rear mower is controlled with the third spool in the lift valve and is coordinated as shown above.

The left and right mower ON/OFF switches are mounted to the four spool valve or the cable controls for cab and non-cab units respectively. Read and follow the mower operation section closely for instructions on how to operate them.

This machine may be equipped with an auxiliary oil temperature gauge, an amp gauge or oil pressure gauge. If oil temperature reaches 200 degrees Fahrenheit, stop mowers and see **Troubleshooting** in **Maintenance Section** for possible causes. Keep an eye on all gauges for indication of problems.

OPERATION

11.1 Operating the Mower



When rotating parts are in motion, serious injury may occur if caution is not used or danger is not recognized. Never allow bystanders within 300 feet of the machine when in operation. Extreme care should be taken when operating near loose objects – such as gravel, rocks and debris. These conditions should be avoided.

The rotating parts in this machine have been designed and tested for rugged use. However, they could fail upon impact with heavy solid objects – such as steel guard rails, concrete abutments, etc., causing them to be thrown at a very high velocity. Never allow cutter head to contact such objects. Inspecting the cutting area for such objects prior to mowing can help eliminate these potential hazards.

Once on location, lower the mower deck slightly above the material to be cut, so the mower does not have to start under a load. Bring the R.P.M. of the tractor up to 1200 and engage the side mower. If a rear mower is being used, allow the R.P.M. to return to 1200 before engaging the rear mower.

The flail mower deck should be carried so that part of the weight is carried by the ground roller. When the flail is carried this way, the roller also follows the contour of the ground more easily during mowing operations.

When cutting small shrubs or brush, begin each pass at the top of the material and work down with each consecutive pass. Use a low speed to allow the cutting blades time to mulch as well as cut the foliage. When the initial pass has been made, disengage the mower and return the mower to the travel position. Return to the starting point and make next pass, etc. The flail head is not intended for cutting heavy brush, or for continually cutting brush. Wear or damage of the blades will occur rapidly when the flail cutter is used this way.

To ensure a clean cut, engine speed should be maintained at approximately 1800 – 2200 R.P.M. If the tractor slows to less than 1800 R.P.M., shift to the next lower gear. **DO NOT** ride the clutch, this will cause premature clutch failure. **The engine should not be operated at any time at more than 2400 R.P.M. on the tractor tachometer.**

The mower will operate more efficiently in tougher conditions and with less power if the knives are kept sharp. If mower begins to vibrate, stop the tractor, check for wire wrapped around the cuttershaft or damaged knives. When replacing knives, replace all knives with new knives to ensure proper balance so the mower will not vibrate. Severe vibration will result, if knives with unequal wear are used. Follow the instructions in the maintenance section closely when replacing knife blades.



If bystanders approach within 300 feet while mower is in operation turn mower switch “OFF” immediately! After shutdown, never leave the tractor or allow bystanders to approach within **300 feet** of the unit until all motion stops completely.

When encountering a very severe condition which causes the tractor to stall, disengage mower, start tractor, raise the mower from the cut. Shut off tractor and inspect the mower, blades and cuttershaft for damage before engaging mower again.

If the blades jam or stop, disengage the clutch and raise the head slightly or back the tractor up. Normally, this will clear the cutter head. If not, shut off the mower(s), raise the cutter heads, turn off the tractor and set the parking brake. After all motion stops completely, leave the tractor and clear the cutting heads manually.

After the first day of operation, all bolts should be checked and tightened securely. This should be done periodically to ensure the bolts do not become loose and cause damage to the tractor or mower, or injury to the operator. Also, be sure to lubricate the unit as instructed in the **Maintenance Section**.

OPERATION

11.2 Shutting Down the Implement

To shut down the implement, first bring the tractor to a complete stop. Then slow down the implement by reducing the engine speed before disengaging the PTO. Wait for all motion to stop before proceeding to drive or shut down the tractor.



Park the tractor on a level surface, place the transmission in park or neutral and apply the parking brake, lower the attached implement to the ground, shut down the engine, remove the key, and wait for all motion to come to a complete stop before exiting the tractor. OPS-F- 0011_A



12. DISCONNECTING THE MOWER FROM THE TRACTOR

Before disconnecting the mower, the PTO must be disengaged and all motion at a complete stop. Move the mower to a level storage location and lower both side mowers to the ground. If the mower will be stored with the sections in the raised position, be sure that the travel locks are engaged. If the mower is not resting securely on the ground, block the mower up securely before attempting to disconnect it from the tractor. Use extreme care to keep feet and hands from under the mower and clear of any pinch points. OPS-F-0012_A



OPERATION

After disconnecting the 3 lift points, remove the mower driveline from the tractor PTO shaft. Lay the driveline down carefully to avoid damaging the driveline or its shield. Do not let the driveline fall into mud or dirt, which can contaminate the bearing and shorten the life of the driveline.
OPS-F-0013



⚠ 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)



OPERATION

13. MOWER STORAGE

It is recommended that the mower be stored with the center section and both side mowers fully lowered to ground level. If the mower is stored with the side mowers in the raised position, select a level area and engage travel locks and travel lock pins to prevent the side mowers from falling BEFORE disconnecting the mower rear mower.

Properly preparing and storing the mower at the end of the season is critical to maintaining its appearance and to help ensure years of dependable service. The following are suggested storage procedures:

- Thoroughly clean all debris off the mower to prevent damage from rotting grass and standing water.
- Lubricate all mower grease points and fill gearbox oil levels as detailed in the maintenance section.
- Tighten all bolts and pins to the recommended torque.
- Check the mower for worn and damaged parts. Perform repairs and make replacements immediately so that the mower will be ready for use at the start of the next season.
- Store the mower in a clean, dry place with the mower housing resting securely on blocks or at ground level.
- Keep the driveline yoke from sitting in water, dirt and other contaminants.
- Use spray touch-up enamel where necessary to prevent rust and maintain the appearance of the mower.



It is critical that driveline clutches slip when an obstacle or heavy load is encountered to avoid mower and/or tractor damage. If the mower sits outside for an extended period of time or is exposed to rain and/or humid air, the clutch lining plates must be inspected to ensure they are not frozen together from rust or corrosion. If the mower has been exposed to such conditions, at the start of each mowing season, and any time it is suspected that the slip clutch plates may be frozen together, readjust the slip clutch as detailed in Seasonal Clutch Maintenance of the maintenance section in this manual. OPS-F-0014_B



Never allow children to play on or around Tractor or Implement. Children can slip or fall off the Equipment and be injured or killed. Children can cause the Implement to shift or fall crushing themselves or others. (SG-25)

OPERATION

14. TRANSPORTING THE TRACTOR AND IMPLEMENT

Inherent hazards of operating the tractor and implement and the possibility of accidents are not left behind when you finish working in an area. Therefore, the operator must employ good judgement and safe operation practices when transporting the tractor and implement between locations. By using good judgement and following safe transport procedures, the possibility of accidents while moving between locations can be substantially minimized. OPS-U-0017



Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death. (SG-10)



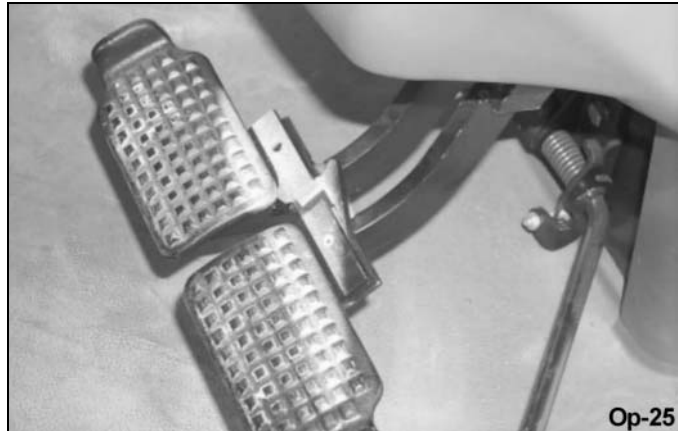
OPERATION

Before transporting the tractor and mower, idle the tractor engine, disengage the PTO and wait for all mower moving parts to come to a complete stop. Raise the mower sections and ensure travel locks engage and install the travel lock pins.



OPERATION

Before transporting the tractor on a public roadway or boarding a trailer for transport, the tractor brake pedals should be locked together. Locking the pedals ensures that both wheels brake simultaneously while stopping, especially when making an emergency stop.



Use extreme caution and avoid hard applications of the tractor brakes when carrying equipment at road speeds. Never haul the implement at speeds greater than 20 MPH (32 kph). OPS-U- 0018_A

If the tractor's hydraulic pump is not independent of the tractor PTO, or if the tractor PTO has to be run to have hydraulic power, disconnect the mower driveline from the tractor PTO output shaft. Secure the driveline to the mower deck to prevent driveline damage or loss during transport.

14.1 Transporting on Public Roadways

Extreme caution should be used when transporting the tractor and implement on public roadways. The tractor must be equipped with all required safety warning features including a SMV emblem and flashing warning lights to alert drivers of the tractor's presence. Remember that roadways are primarily designed for automotive drivers and most drivers will not be looking out for you, therefore, you must look out for them. Check your side view mirrors frequently and remember that vehicles will approach quickly because of the tractor's slower speed. Be extremely cautious when the piece of equipment that you are carrying is wider than the tractor tire width and/or extends beyond your lane of the road. OPS-U- 0019_A

NOTE: Ensure that the mower sections are fully raised and that the travel locks are engaged for each section.

WARNING

Only carry the Implement behind a properly sized and equipped Tractor which exceeds the weight of the Implement by at least 20%. DO NOT carry the Implement behind a truck or other type of vehicle. Never carry the Implement and another Implement connected in tandem. Never carry the Implement at speeds over 20 MPH. (STI-06_A)



DANGER

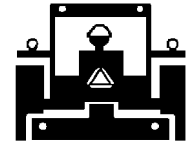
Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death. (SG-10)



OPERATION

WARNING

Make certain that the "Slow Moving Vehicle" (SMV) sign is installed in such a way as to be clearly visible and legible. When transporting the Equipment use the Tractor flashing warning lights and follow all local traffic regulations. (SG-6)



The SMV (Slow-Moving Vehicle) emblem is universal symbol used to alert drivers of the presence of equipment traveling on roadways at a slow speed. SMV signs are a triangular bright orange with reflective red trim for both easy day and night visibility. Make sure the SMV sign is clean and visible from the rear of the unit before transporting the tractor and implement on a public roadway. Replace the SMV emblem if faded, damaged, or no longer reflective. OPS-U- 0020



Make sure that all tractor flashing warning lights, headlights, and brake/tail lights are functioning properly before proceeding onto public roads. While newer model tractors have plenty of lighting to provide warning signals and operating lighting, most older models are only equipped with operating lights. Consult an authorized tractor dealer for lighting kits and modifications available to upgrade the lighting on older tractor models. OPS-U- 0021



When operating on public roads, have consideration for other road users. Pull to the side of the road occasionally to allow all following traffic to pass. Do not exceed the legal speed limit set in your country for agricultural tractors. Always stay alert when transporting the tractor and implement on public roads. Use caution and reduce speed if other vehicles or pedestrians are in the area. OPS-U- 0022



OPERATION

OPERATION

Reduce speed before turning or applying the brakes. Ensure that both brake pedals are locked together when operating on public roads. *OPS-U- 0023*



14.2 Hauling the Tractor and Implement

Before transporting a loaded tractor and implement, measure the height and width dimensions and gross weight of the complete loaded unit. Ensure that the load will be in compliance with the legal limits set for the areas that will be traveled through. *OPS-U- 0024*



Use adequately sized and rated trailers and equipment to transport the tractor and implement. Consult an authorized dealer to determine the proper equipment required. Using adequately sized chains, heavy duty straps, cables and/or binders, securely tie down both the front and rear of the tractor utilizing the proper tie down locations as specified by the tractor manufacturer. *OPS-U- 0025*



OPERATION

15. TROUBLESHOOTING GUIDE

| PROBLEM | POSSIBLE CAUSE | REMEDY |
|----------------------|---|--|
| Excessive Vibrations | Check gearbox bolts. Check for missing knives on cutter shaft. Check to see if knives are free swinging. Blade broken or bent. Cuttershaft bent. Drivelines not phased correctly. Implements & Tractor yokes must be in line. | Tighten if loose. Replace missing knives. Free knives so they swing. Replace blades. Replace cuttershaft. Replace driveline. |
| Gearbox Overheating | Low on lubricant. Improper type lubricant. Excessive trash build-up around gearbox. Bearing or gears set up improperly. | Fill to level plug. Replace with proper lubricant. Remove trash. Consult your Dealer. |
| Gearbox Noisy | Rough Gears. Worn Bearing. | Run-in or change gears. Replace bearing. |
| Noise | Damaged Belt Shield (Rubbing on pulleys or belt). Worn Bearing or Gear. | Straighten or replace shields. |
| Gearbox Leaking | Damage oil seal. Bent shaft. Shaft rough in oil seal area. Oil seal installed wrong. Oil seal not sealing in the housing. Oil level too high. Sand hole in casting. Gasket damaged. Bolts loose. | Replace seal. Replace oil seal and shaft. Replace or repair shaft. Replace seal. Replace seal or use a sealant on OD of Seal. Drain oil to proper level. Replace castings or gearbox. Replace gasket. Tighten bolts. |

OPERATION

OPERATION

| | | |
|---------------------------------------|---|--|
| Clutch Slips Excessively | Clutch linings badly worn or plates warped. Too much power for clutch. Oil on facings. Friction facings glazed. | Repair clutch per maintenance section of manuals. Reduce ground speed and material intake. Replace facings. Clean with emery cloth. |
| Knives Wear Too Fast | Cutting in sandy conditions. Cutting in rocky conditions. Soft "will fit" knives. | Increase cutting height. Increase cutting height. Use genuine Tiger knives. |
| Hydraulic Cylinder Will Not Operate | Not enough pressure. Valve not connected properly. Quick coupler not completely connected. | Check Pressure. Re-plumb valve. Complete connection. |
| Oil squirting from Breather Vent Hole | Oil leaking by piston ring. Piston "O" Ring worn. Cylinder wall scored or pitted. Wrong piston ring on piston. | Do not carry cutter on cylinder. Small leakage amount is normal. Replace piston "O" Ring. Replace cylinder. Use correct piston ring. |
| Discharging Bunches | Belt installed improperly. Blades dull. Grass too wet. Grass too long. Travel speed too fast. PTO RPM too low. | Check belt for correct set up. Check blades for sharpness. Wait for grass to dry. Mow at 3-1/2" and re-cut lower. Use a lower tractor gear. Mow at engine RPM to match 540 PTO RPM. |
| Blades Scalping High Places | Mowing too low. Rough, uneven ground. Turning Tractor too fast. | Raise height of cut. Use a slower speed. Lower rollers. Slow down when turning. |

OPERATION

Uneven Cut

Travel speed too fast.
Mower deck not level.
Blades dull or unbalanced.
Deck underside plugged.
Grass too high.

Use a slower speed.
Level the mowing deck.
Sharpen or balance blades.
Clean underside of deck.
Mow at 3-1/2" and re-cut lower.

Grass Clippings Windrow
or Clump

Grass too wet.
Grass too high.
Housing plugged.

Wait for grass to dry.
Mow at 3-1/2" and re-cut lower.
Clean underside of deck.

Grass Not Being Cut
Evenly

Belt worn or slipping.
Spring broke and belt off idler.
Housing plugged.
Debris around pulleys.

Grass too high.

Replace or adjust belt.
Replace spring or adjust belt.
Clean underside of housing.
Remove deck belt shield and
clean out debris.
Mow at 3-1/2" and re-cut lower.

OPERATION

OPERATION

TV TRIPLE FLAIL

Operation Section 3-42

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)



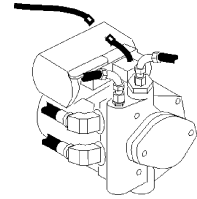
MAINTENANCE



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 |

MAINTENANCE

WEEKLY OR EVERY 50 HOURS

| ITEM | SERVICE | COMMENTS |
|--|---------|--|
| In Tank Hyd. Fluid Filter (10 micron filter) | Change | Change after first 50 hours only, then every 500 hours or yearly |
| In-Line High Pressure Filter (10 micron filter) | 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 (10 micron filter) | Change | |
| In-Line High Pressure Filter (10 micron filter) | 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 | Without 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 | | | | | | | | | | | | | |
|--|-------|---|------------------------|-----------------------|---|------------------------|-----------------------|---|------------------------|-----------------------|--|------------------------|-----------------------|
| Nominal Dia. (mm) | Pitch |  Class 4.6 | | |  Class 8.8 | | |  Class 10.9 | | |  Class 12.9 | | |
| | | 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 |
| 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 D = Nominal Diameter
 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

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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 |

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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 |
|----------|-----------|

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.

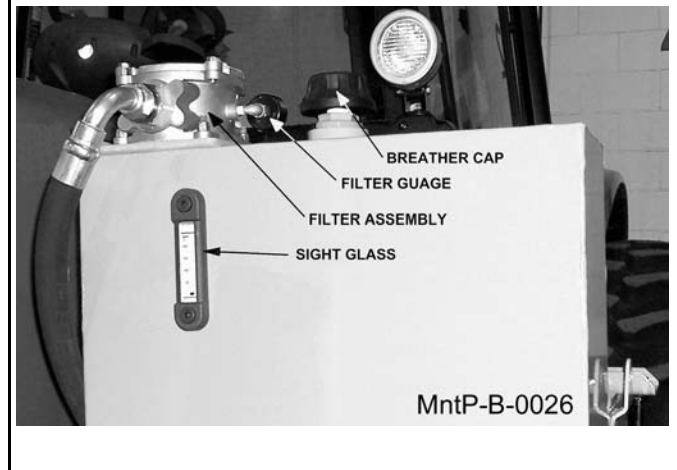
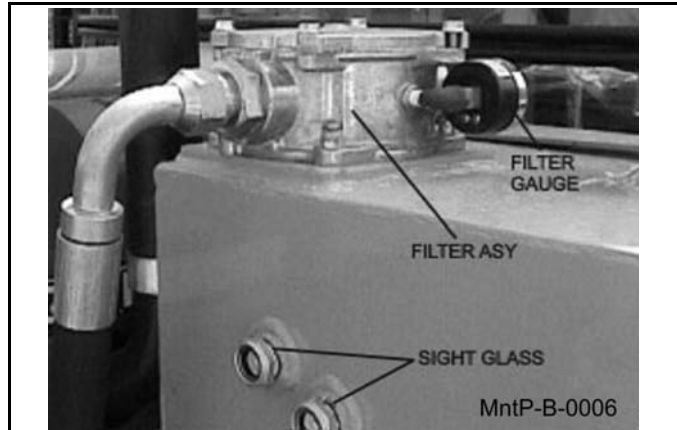
MAINTENANCE

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

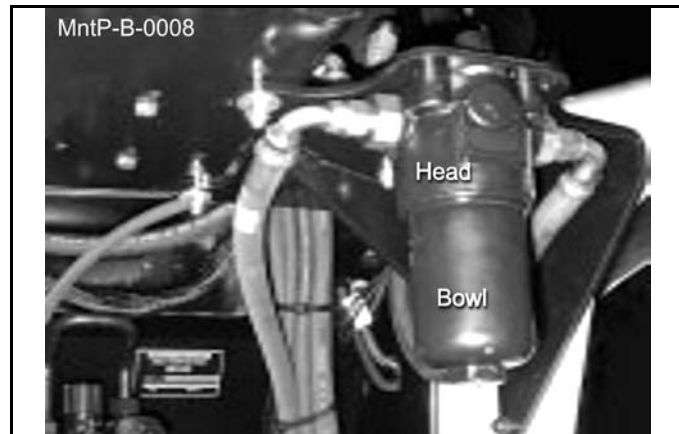
Loosen the four bolts on the top cover of the filter housing. Turn cover counter-clockwise until cover is free. Remove and replace filter. Replace top cover and cover bolts in opposite order as removed.



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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.

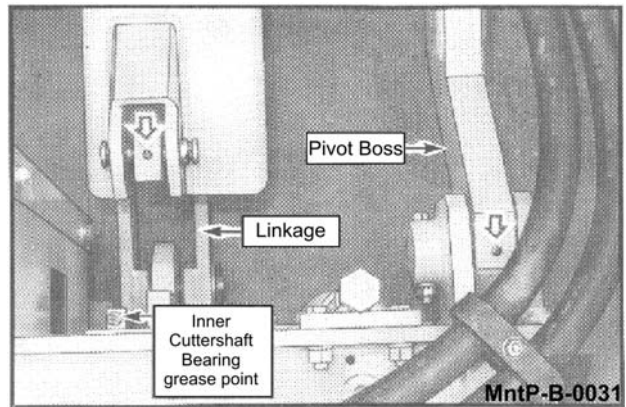
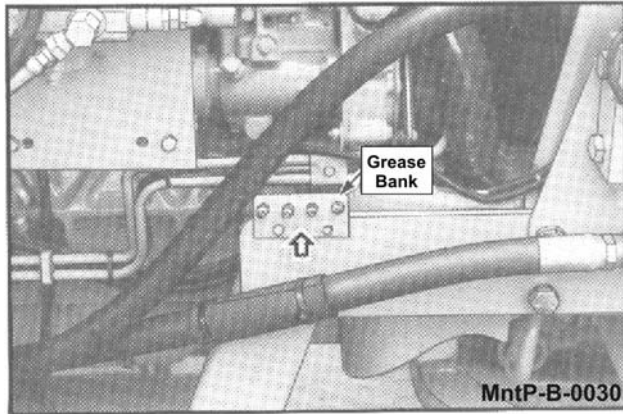
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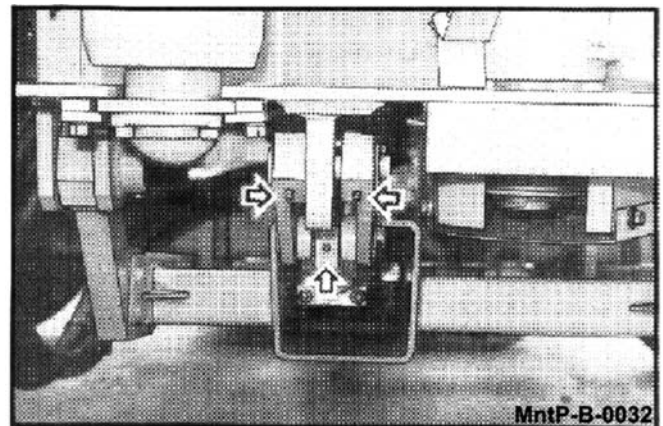
MAINTENANCE

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.

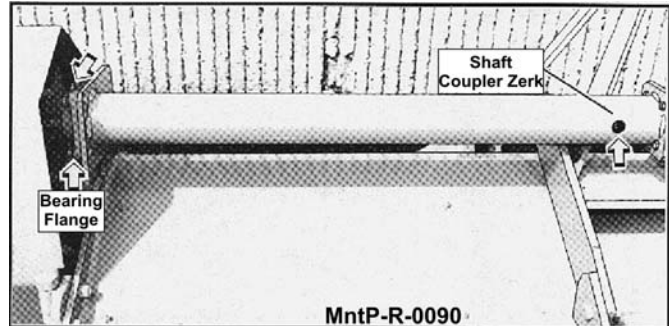


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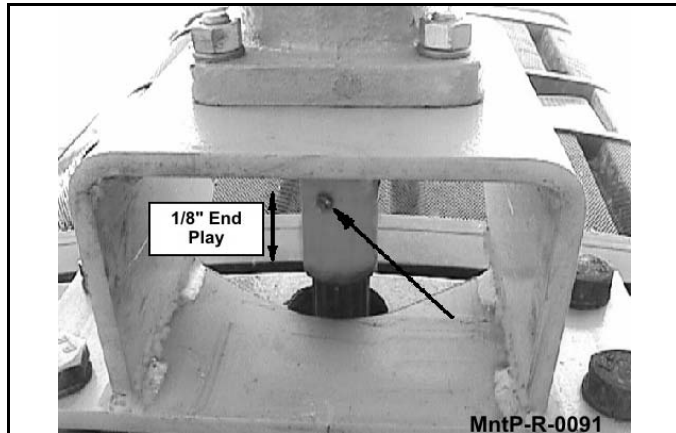
GREASING THE REAR DRIVE BEARING AND EXTENSION COUPLER SHAFT

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

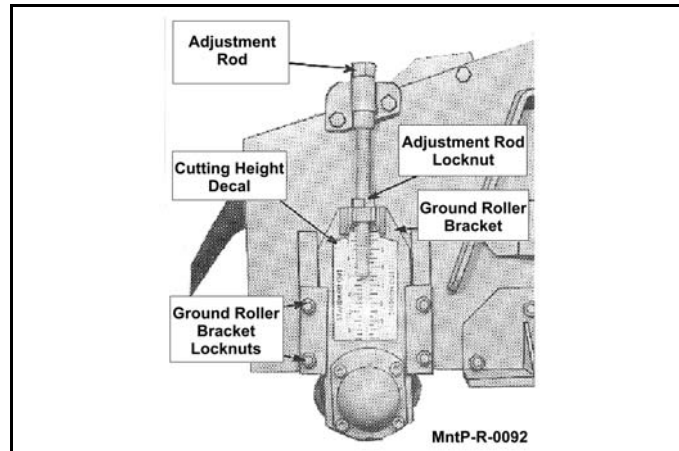
With engine stopped, ensure drive shaft alignment by grasping coupler and sliding back and forth. Coupler should slide freely with approximately 1/8" of end play. If coupler does not slide freely, inspect for loose pump mount bolts, or damaged or loose crank shaft adapter. Inject-Lithium Complex Extreme 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.



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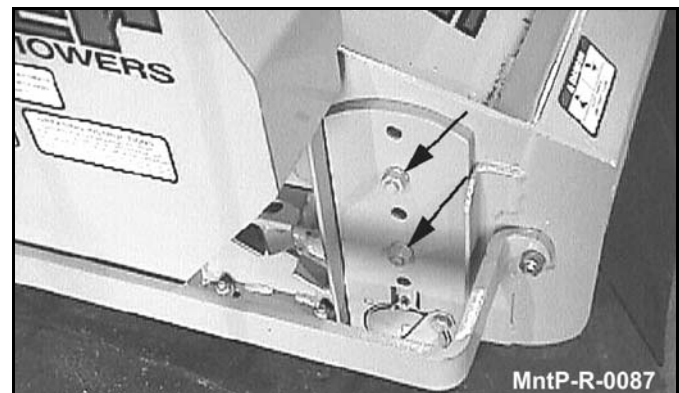
ADJUSTING THE CUTTING HEIGHT

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.



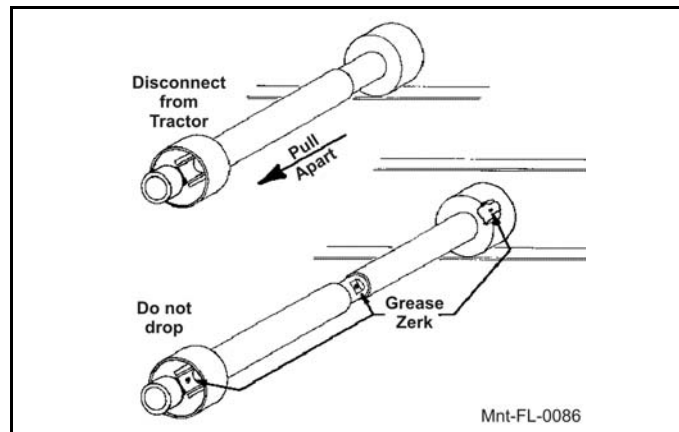
ADJUSTING STANDARD DUTY CUT HEIGHT

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.



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BALL VALVES

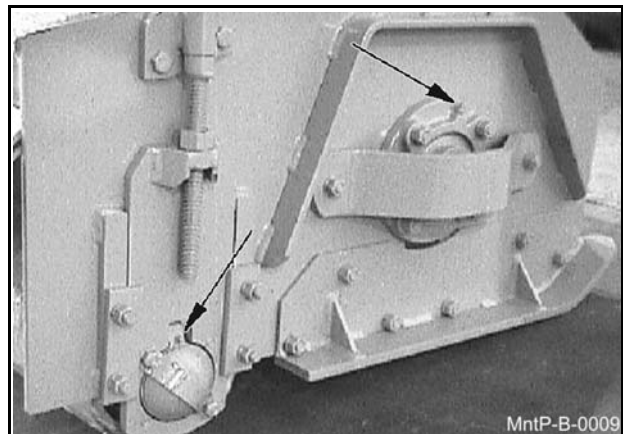
The ball valve at the hydraulic reservoir may need to be closed during certain maintenance or repair procedures. **THE BALL VALVE MUST BE OPEN (handle parallel with valve) WHEN TRACTOR IS RE-STARTED OR PUMP IS COUPLED TO MOTOR OR P.T.O.!** Failure to do so will result in component failure!

BALL VALVE



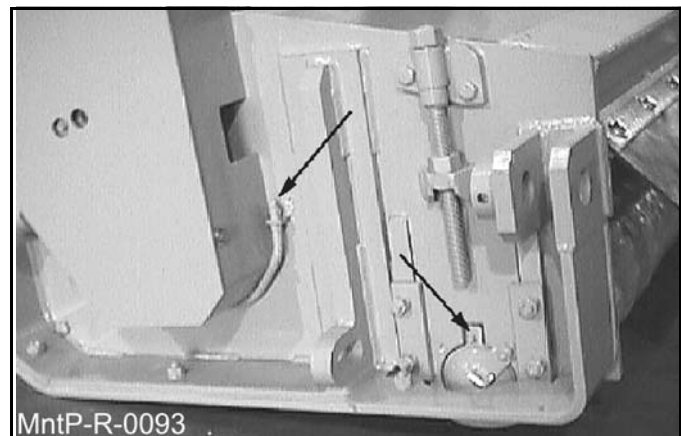
GREASING CUTTER SHAFT-FLAIL MOWERS

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

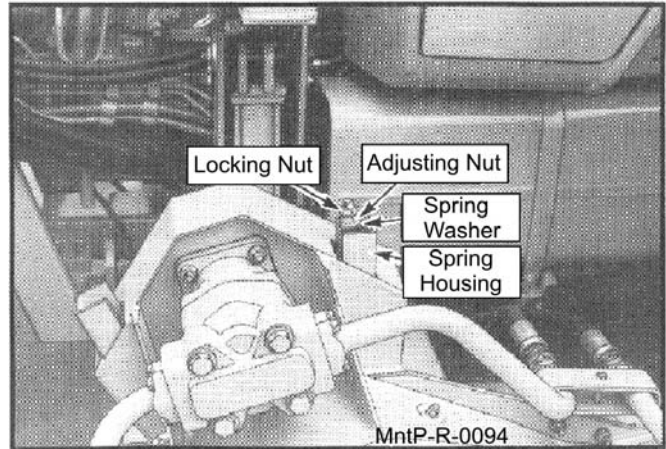
MAINTENANCE

GREASING THE IDLER TENSION ARMS

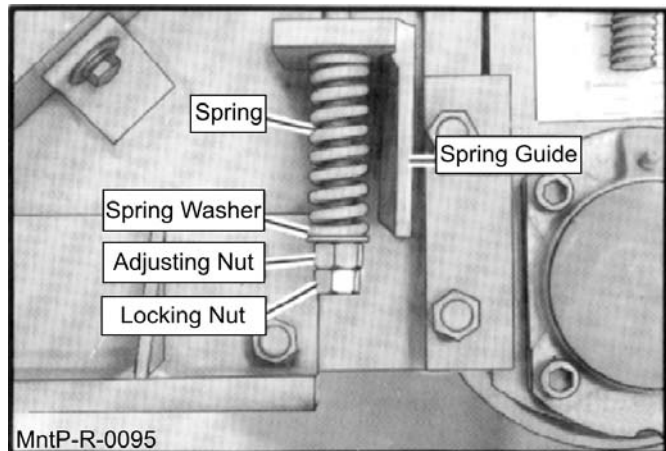
Locate the access holes and grease zerks in the belt shields of the side and rear flails. Normal conditions require one pump daily or every 8 hours of service with multi purpose grease.

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**



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ROSTA TENSIONER

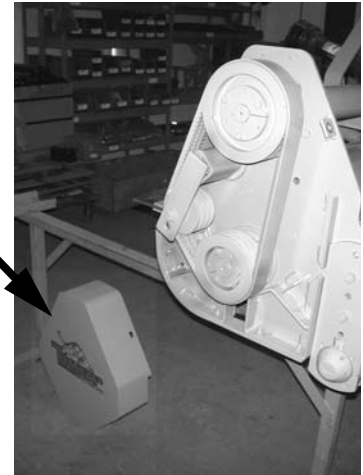
STANDARD DUTY REAR FLAILS

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

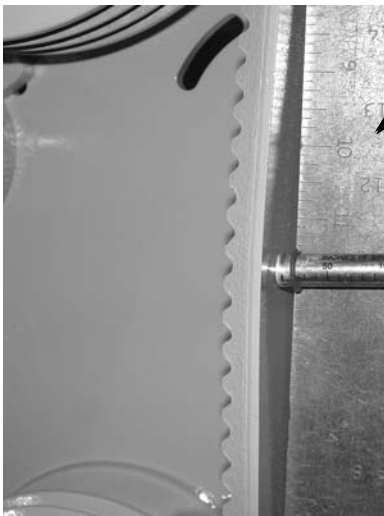


BELT SHIELD

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.

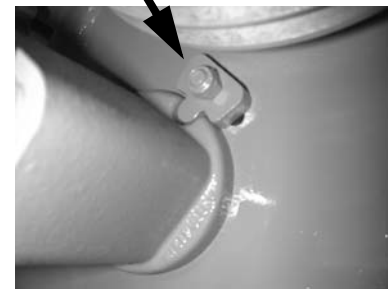


STRAIGHT EDGE

ROSTA WRENCH



ROSTA STOP



ROSTA
TENSIONER

TRIPLE FLAIL

Maintenance Section 4-18

MAINTENANCE

TENSIONER MEASUREMENT PROCEDURE

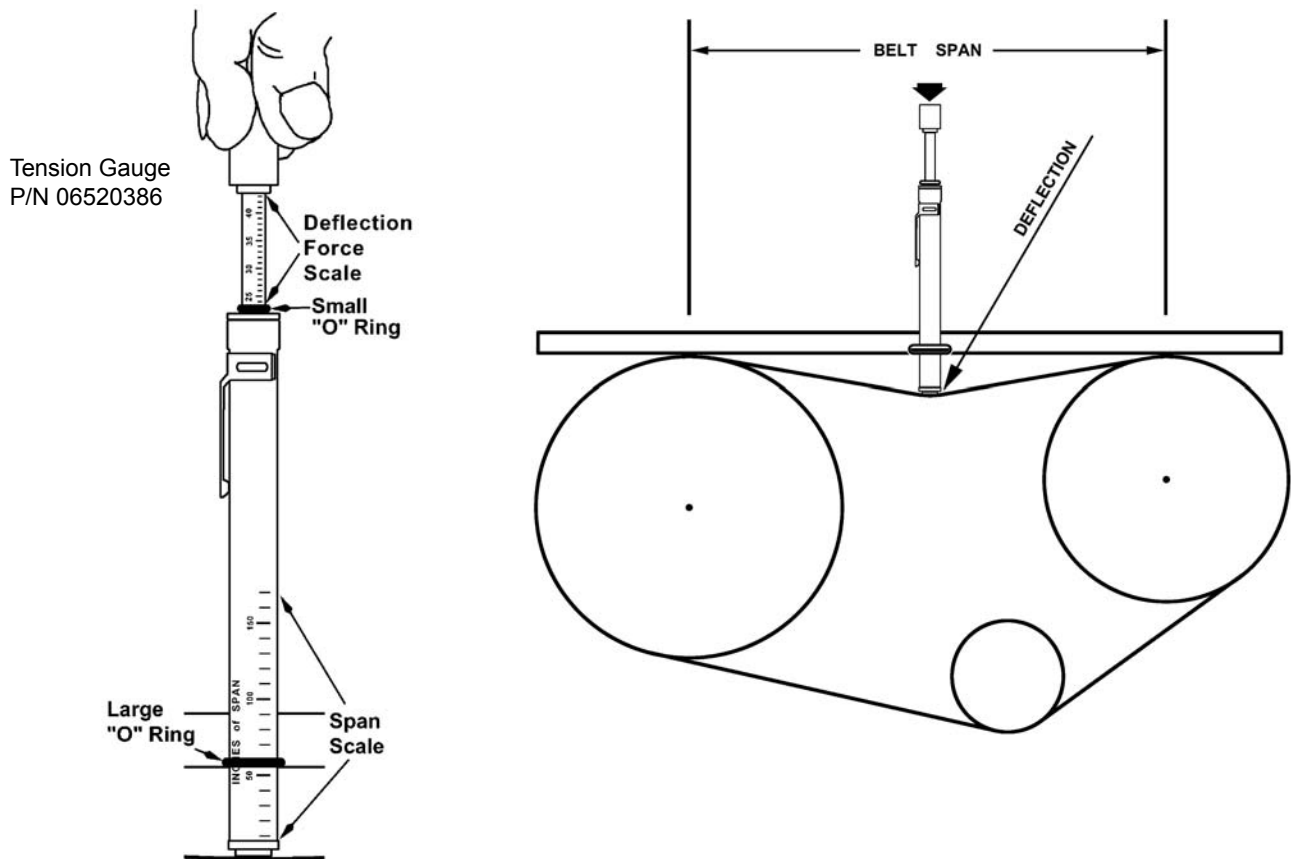
1. Measure the Belt Span (SEE SKETCH).
2. Position the bottom of the Large "O" Ring on the Span Scale at the measured Belt Span.
3. Set the Small "O" Ring on the Deflection Force Scale to Zero.
4. Place the tension gauge squarely on the belt at the center of the belt span. Apply a force on the plunger 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

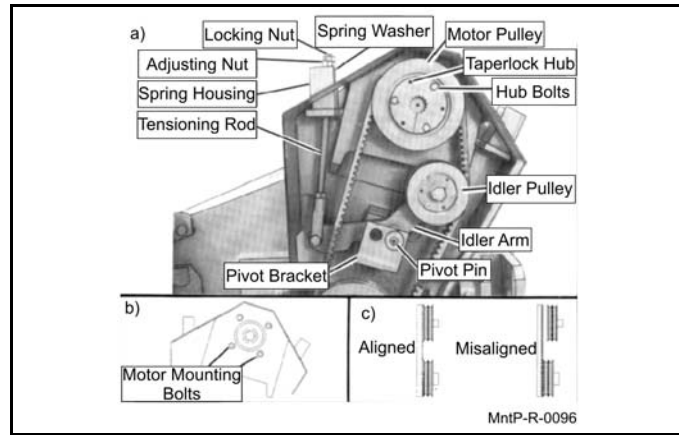


MAINTENANCE

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.

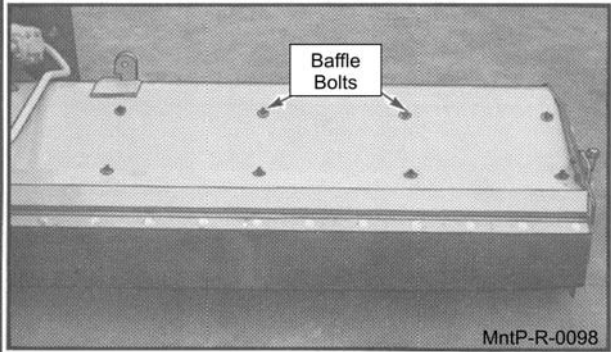
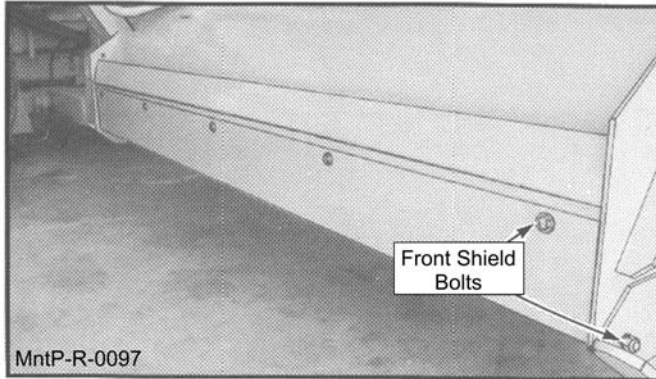
Reinstall the belts and idler tensioning rod. Tighten and lock the tensioning rod as shown previously in the maintenance section. Reinstall the belt shield.

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

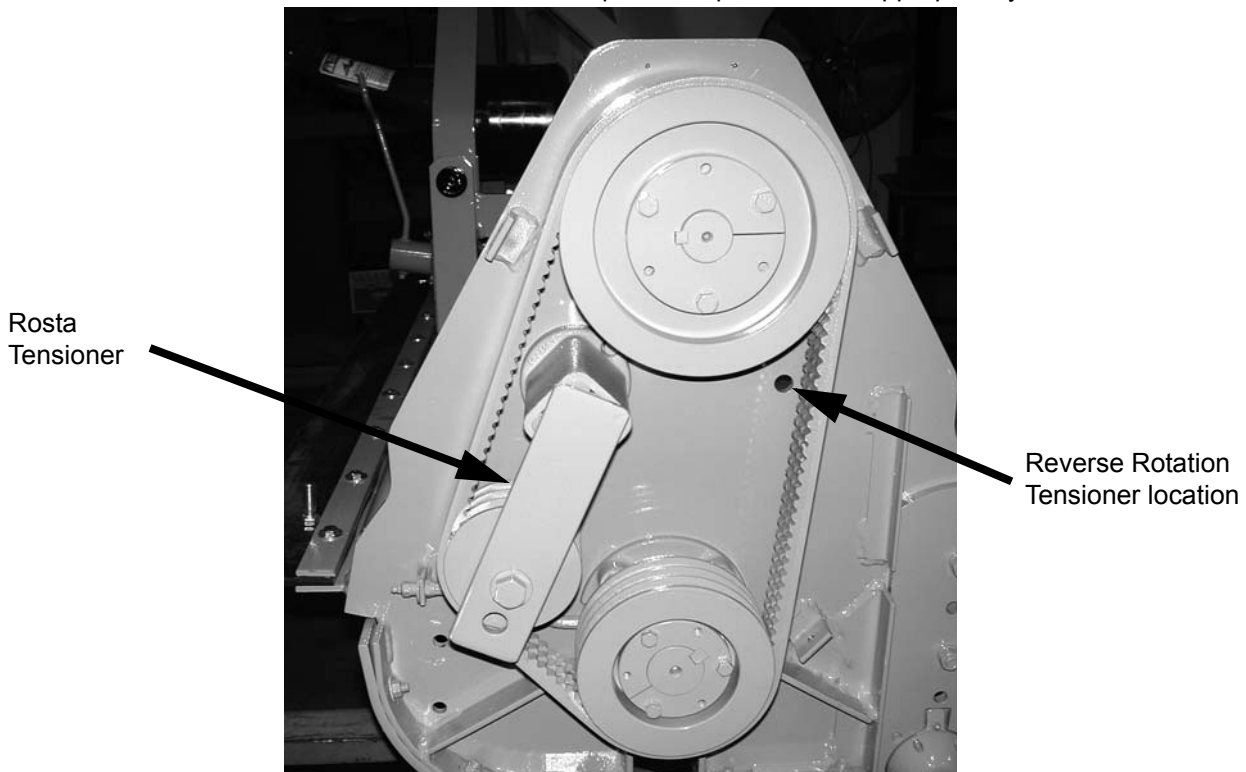
MAINTENANCE

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.



TRIPLE FLAIL

Maintenance Section 4-21

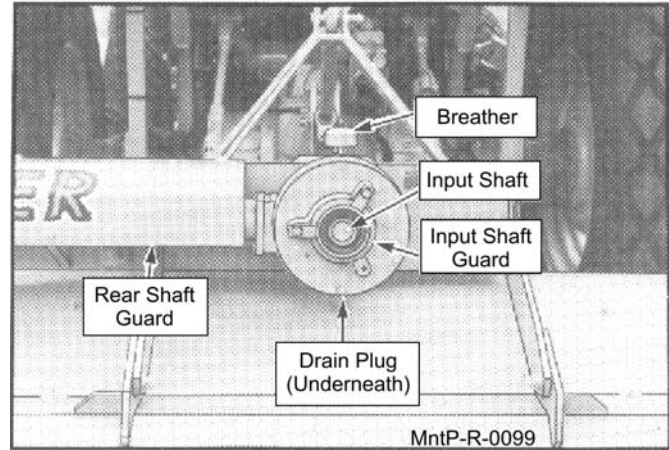
MAINTENANCE

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.



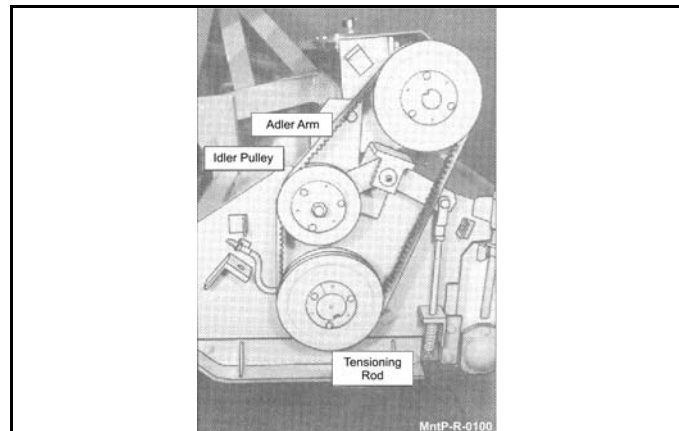
The sprocket must be aligned and spaced approximately 3/8" apart. When changing from standard cut to smooth cut rotation, a spacer plate may have to be installed between the gear box and the frame. When changing from smooth cut to standard cut rotation the spacer plate is to be omitted. Install the chain 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 cutter shaft 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

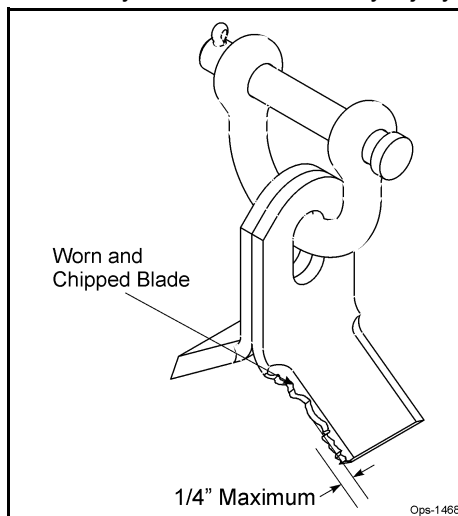


Inspect the Blades daily for ab normal wear. REPLACE ALL BLADES on the carrier IMMEDIATELY if any blades have:

- 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.



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

Blade Pins and D-Ring Inspection

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

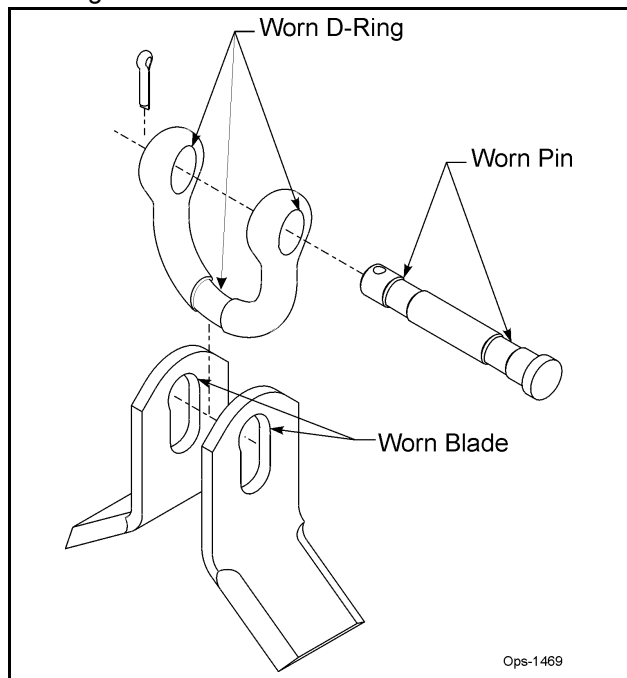


Inspect the Blade pins and D-Rings daily for abnormal wear. Make sure the cotter pins are in place and properly spread. REPLACE BLADE Pins and D-Rings IMMEDIATELY if they have:

- 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

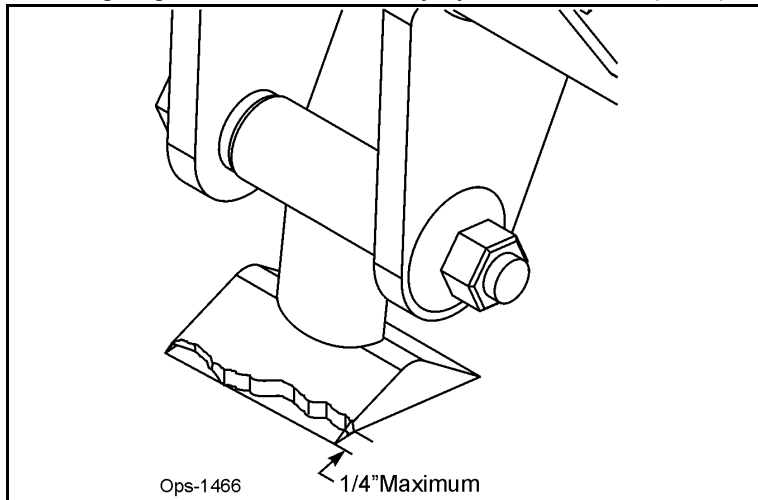
MAINTENANCE

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:

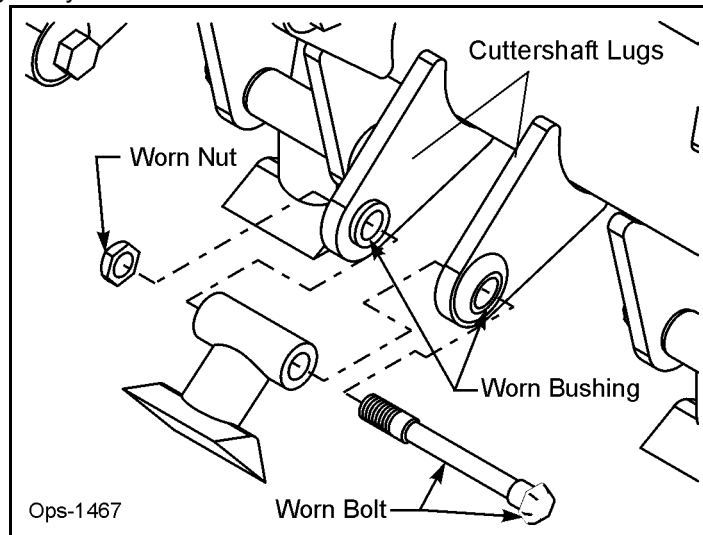


Inspect the Blade Bolt daily for abnormal wear. REPLACE ALL BLADE BOLTS on the carrier IMMEDIATELY if any bolts have:

- 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

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.



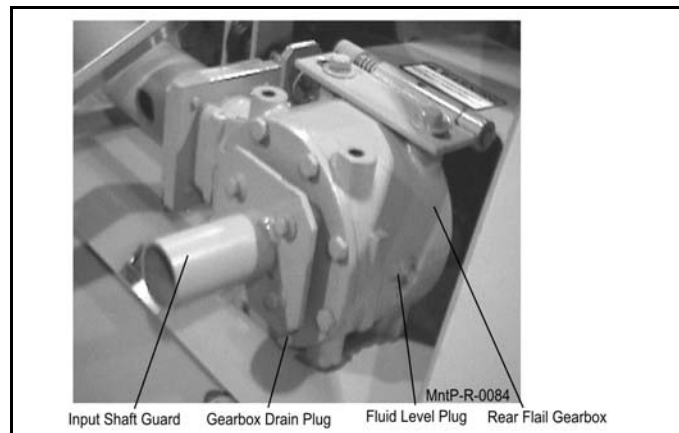
Knives should not be welded on for any reason.

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

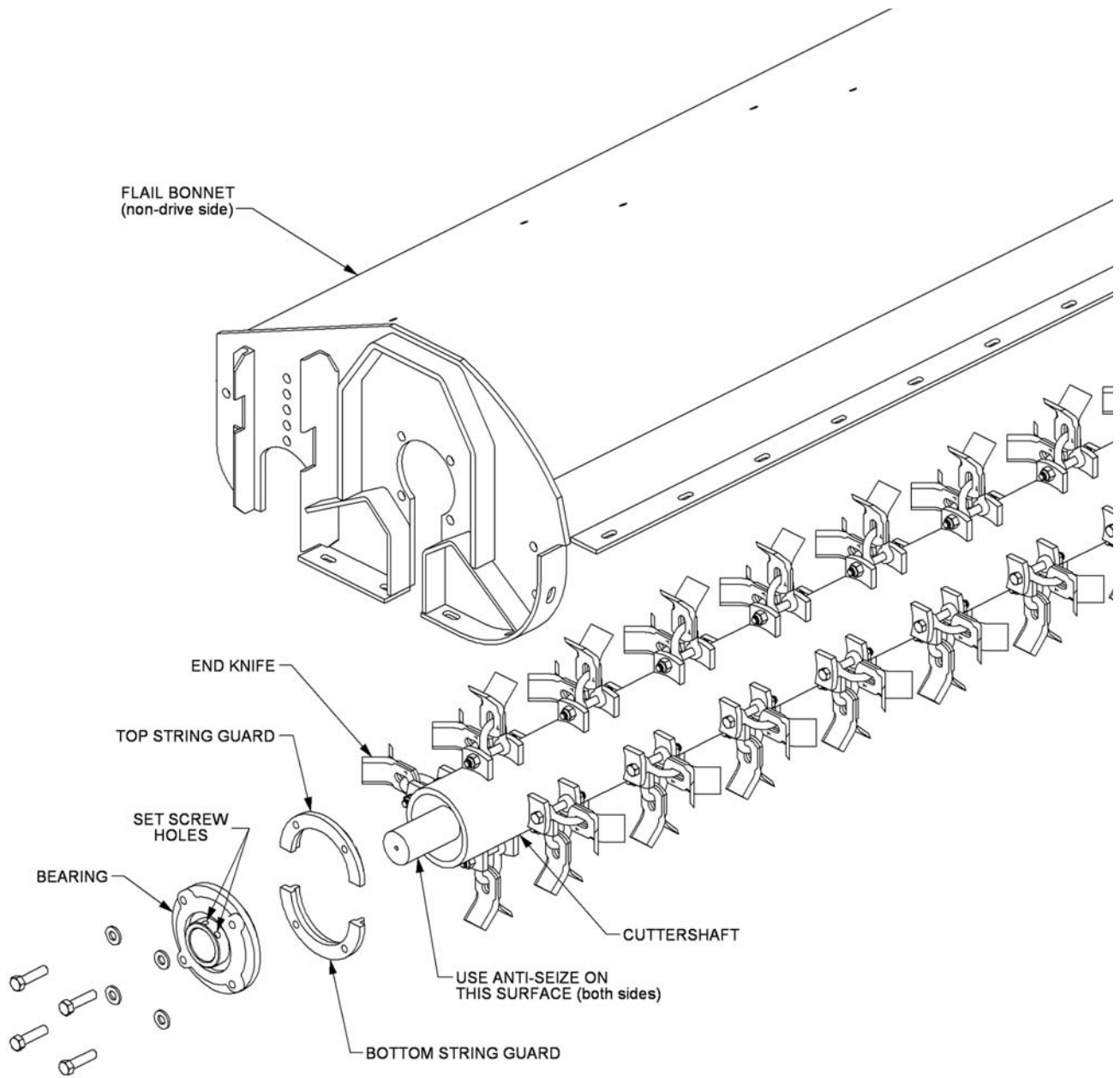
CUTTERSHAFT BEARING REPLACEMENT

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

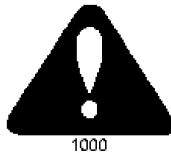
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| TRACTOR MOUNT KIT - HYDRAULICS..... | 6 |
| FUEL TANK ASSEMBLY..... | 8 |
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| 4-SPOOL CABLE CONTROL MOUNT..... | 12 |
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PARTS ORDERING GUIDE

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.

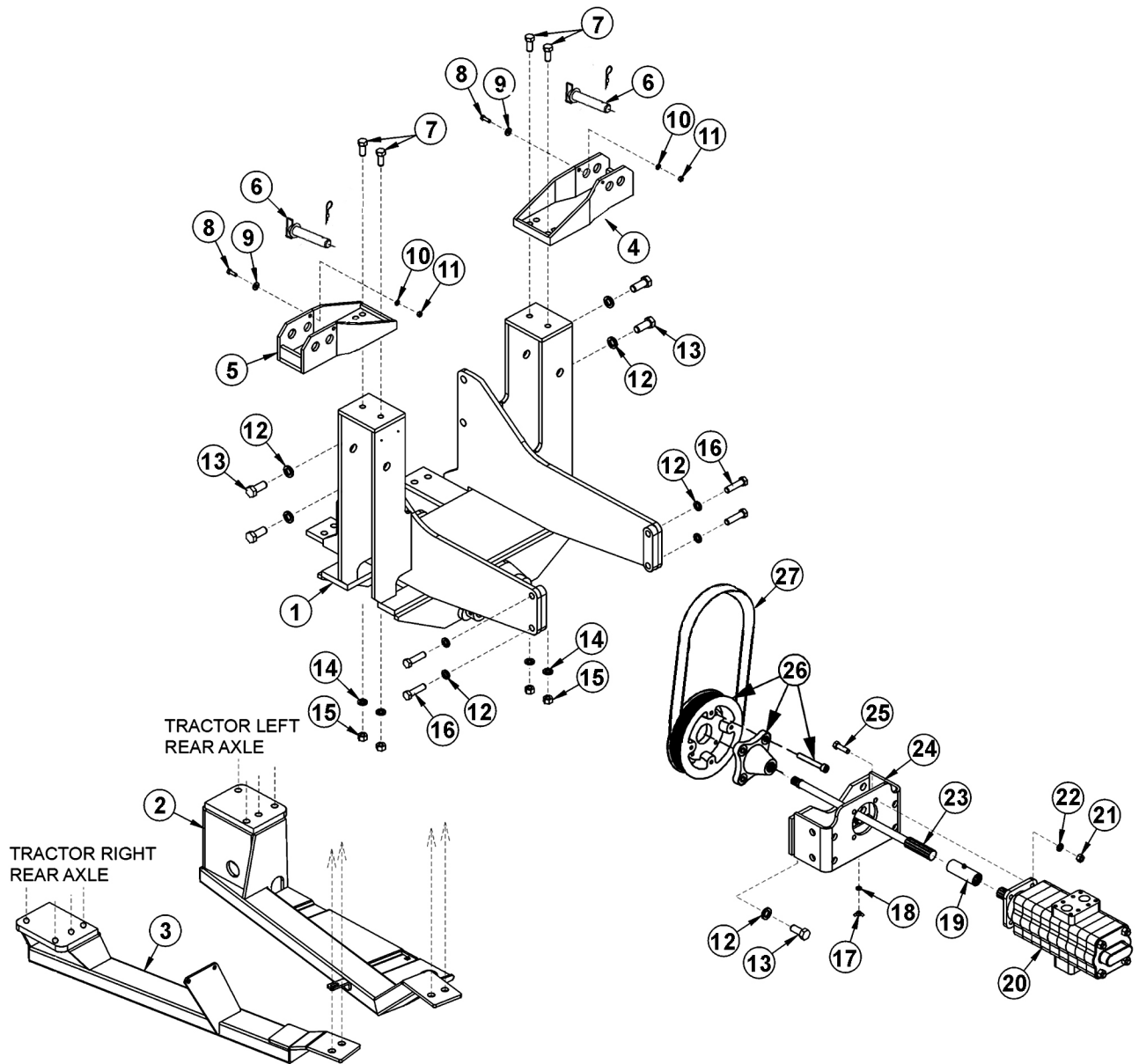


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

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

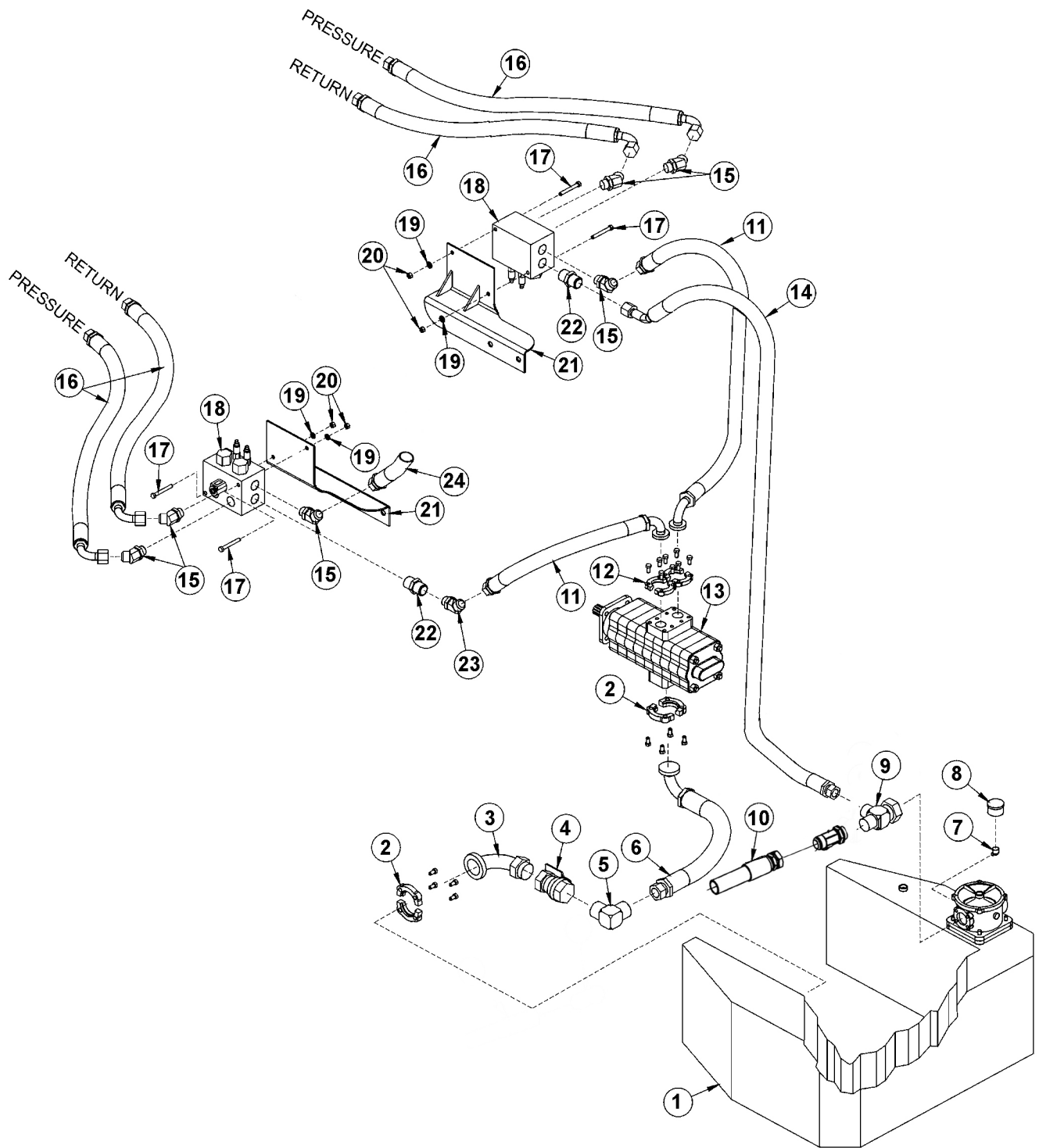


TRACTOR MOUNT KIT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06300146 | 1 | MAIN FRAME,T3F |
| 2 | ----- | 1 | AXLE BRACE,LEFT HAND *REFER TO AXLE BRACE PAGE |
| 3 | ----- | 1 | AXLE BRACE,RIGHT HAND *REFER TO AXLE BRACE PAGE |
| 4 | 28276 | 2 | TRAVEL LOCK BRACKET |
| 6 | TF4250 | 2 | TRAVEL LOCK PIN |
| 7 | 21783 | 4 | CAPSCREW,5/8" X 2",NC |
| 8 | 21580 | 2 | CAPSCREW,5/16" X 1",NC |
| 9 | 22015 | 2 | FLATWASHER,5/16" |
| 10 | 21987 | 2 | LOCKWASHER,5/16" |
| 11 | 21575 | 2 | HEX NUT,5/16" |
| 12 | 33880 | 12 | FLATWASHER,3/4",GR8,SAE |
| 13 | 31731 | 8 | CAPSCREW,20MM X 50MM,2.5P |
| 14 | 21992 | 4 | LOCKWASHER,5/8" |
| 15 | 21775 | 4 | HEX NUT,5/8" |
| 16 | 27281 | 4 | CAPSCREW,20MM X 60MM,2.5P |
| 17 | 32519 | 1 | WING NUT,1/4" |
| 18 | 22014 | 1 | FLATWASHER,1/4" |
| 19 | 6T0375B | 1 | DRIVE SHAFT COUPLER |
| 20 | TF4450 | 1 | HYDRAULIC PUMP |
| 21 | 21725 | 4 | NYLOCK NUT,1/2",NC |
| 22 | 06533004 | 4 | FLATWASHER,1/2" |
| 23 | 06420158 | 1 | PUMP DRIVE SHAFT |
| 24 | 32642 | 1 | PUMP MOUNTING BRACKET |
| 25 | 21733 | 4 | CAPSCREW,1/2" X 1-3/4",NC |
| 26 | BLV10679 | 1 | JD PULLEY KIT |
| 27 | ----- | 1 | JD BELT T208891 |

TRACTOR MOUNT KIT - HYDRAULICS

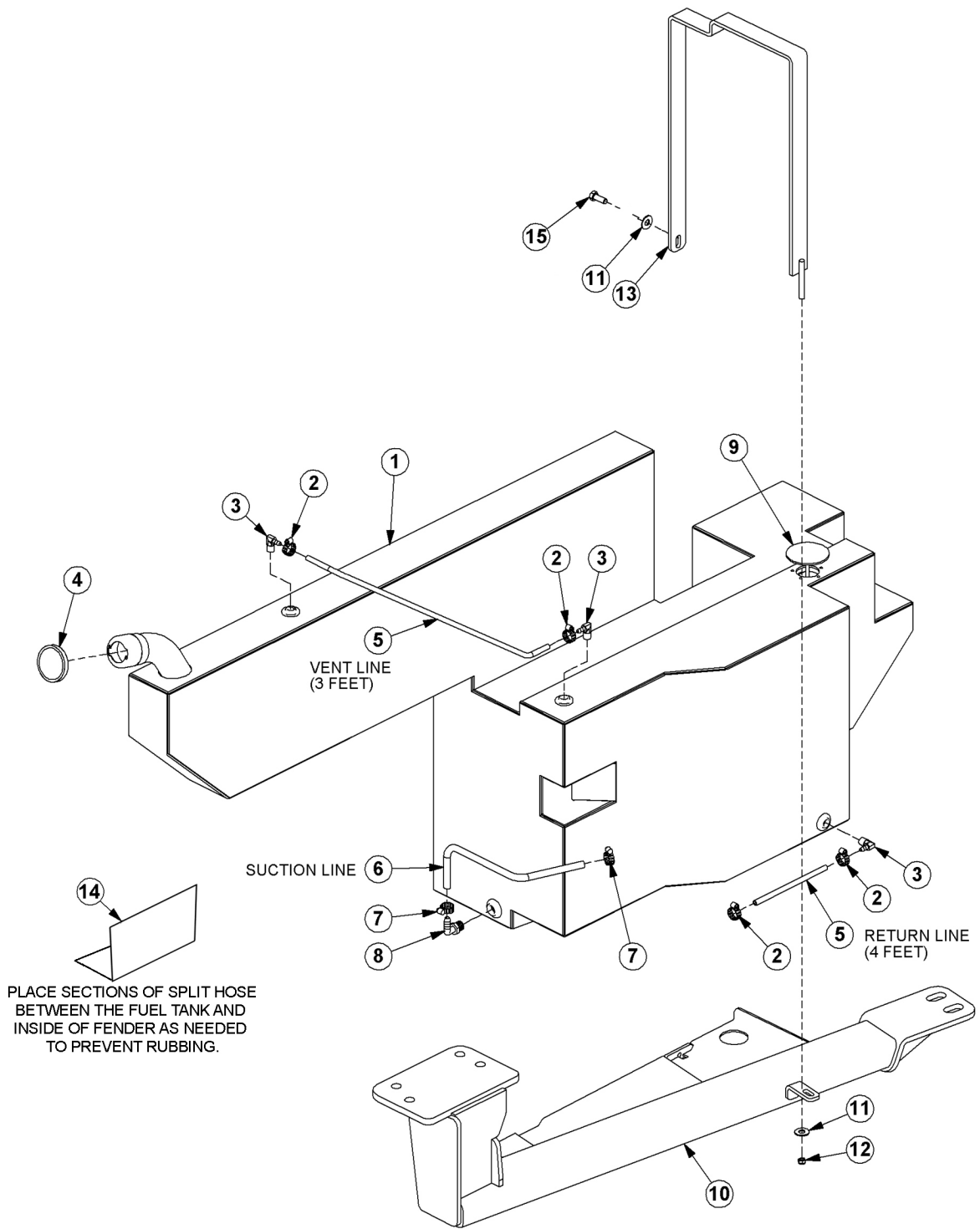


TRACTOR MOUNT KIT - HYDRAULICS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | ----- | - | HYDRAULIC RESERVOIR *REFER TO MAIN FRAME PARTS |
| 2 | TF4431 | 2 | FLANGE KIT #32 |
| 3 | 34389 | 1 | ELBOW,1-1/2ORB X 32FLG90 |
| 4 | 34309 | 1 | BALL VALVE |
| 5 | 34655 | 1 | ELBOW,1-1/2"ORB X 1-1/2MJ |
| 6 | 06500119 | 1 | HOSE,1-1/2" X 28" |
| 7 | TF4887 | 1 | STREET ELBOW |
| 8 | 6T0649 | 1 | FILTER GAUGE |
| 9 | 34656 | 1 | TEE,RUN,1-1/4ORB X 1-1/4MJ X 1-1/4MJ |
| 10 | 06500260 | 1 | HOSE,1" X 31" (COOLER RETURN) |
| 11 | 06500177 | 2 | HOSE,1" X 40" |
| 12 | TF4852 | 2 | FLANGE KIT,#20 |
| 13 | ----- | - | PUMP *REFER TO MAIN FRAME PARTS |
| 14 | 06500178 | 1 | HOSE,1" X 43" |
| 15 | 33554 | 6 | ELBOW,1MORB X 1MJIC45 |
| 16 | 34384 | 4 | HOSE,1" X 106" |
| 17 | 21644 | 4 | CAPSCREW,3/8" X 5",NC |
| 18 | 06510083 | 2 | BRAKE VALVE |
| 19 | 22016 | 4 | FLATWASHER,3/8" |
| 20 | 21627 | 4 | NYLOCK NUT,3/8" |
| 21 | ----- | - | SOLENOID BRACKET *REFER TO MAIN FRAME PARTS |
| 22 | 33555 | 2 | ADAPTER,1MORB X 1MJIC |
| 23 | 24724 | 1 | SWIVEL,1MJ X 1FJX45 |
| 24 | 33413 | 1 | HOSE,1" X 47" (COOLER PRESSURE) |
| 25 | 6T3200 | 8 | SPLIT HOSE (NOT PICTURED) |
| 26 | 6T1823 | 12 | ZIP TIES 14" (NOT PICTURED) |

FUEL TANK ASSEMBLY

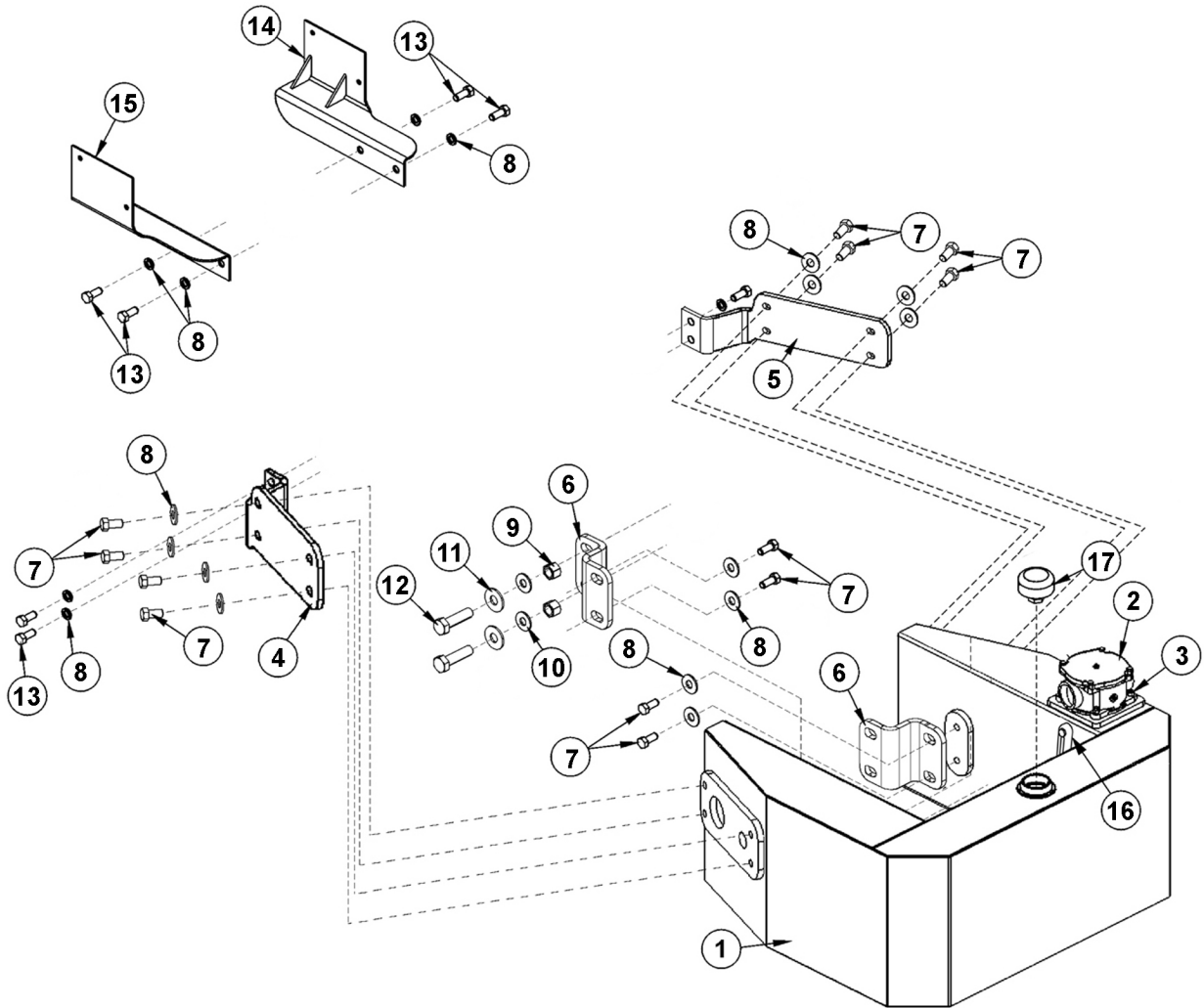


FUEL TANK ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 06370162 | 1 | TANK,FUEL,JD5101E,T3F |
| 2 | 35086 | 4 | CLAMP,HOSE,#4 |
| 3 | 06503092 | 3 | ELBOW,1/4,BRASS |
| 4 | 25391 | 1 | CAP,FUEL TANK |
| 5 | 34602 | 7 | HOSE,1/4",FUEL LINE (IN FEET) |
| 6 | 34380 | 4 | HOSE,3/8",FUEL LINE (IN FEET) |
| 7 | 35091 | 2 | CLAMP,HOSE,#6 |
| 8 | 06503063 | 1 | ELBOW,3/8,BRASS |
| 9 | ----- | 1 | FUEL SENDING UNIT (TRACTOR PART) |
| 10 | ----- | 1 | AXLE BRACE *REFER TO TRACTOR MOUNT KIT |
| 11 | 22016 | 2 | FLATWASHER,3/8" |
| 12 | 21627 | 1 | NYLOCK NUT,3/8",NC |
| 13 | 06370034 | 1 | TANK STRAP |
| 14 | 6T3200 | 6 | SPLIT HOSE, 6" |
| 15 | 21630 | 1 | CAPSCREW,3/8" X 1",NC |

BUMPER TANK

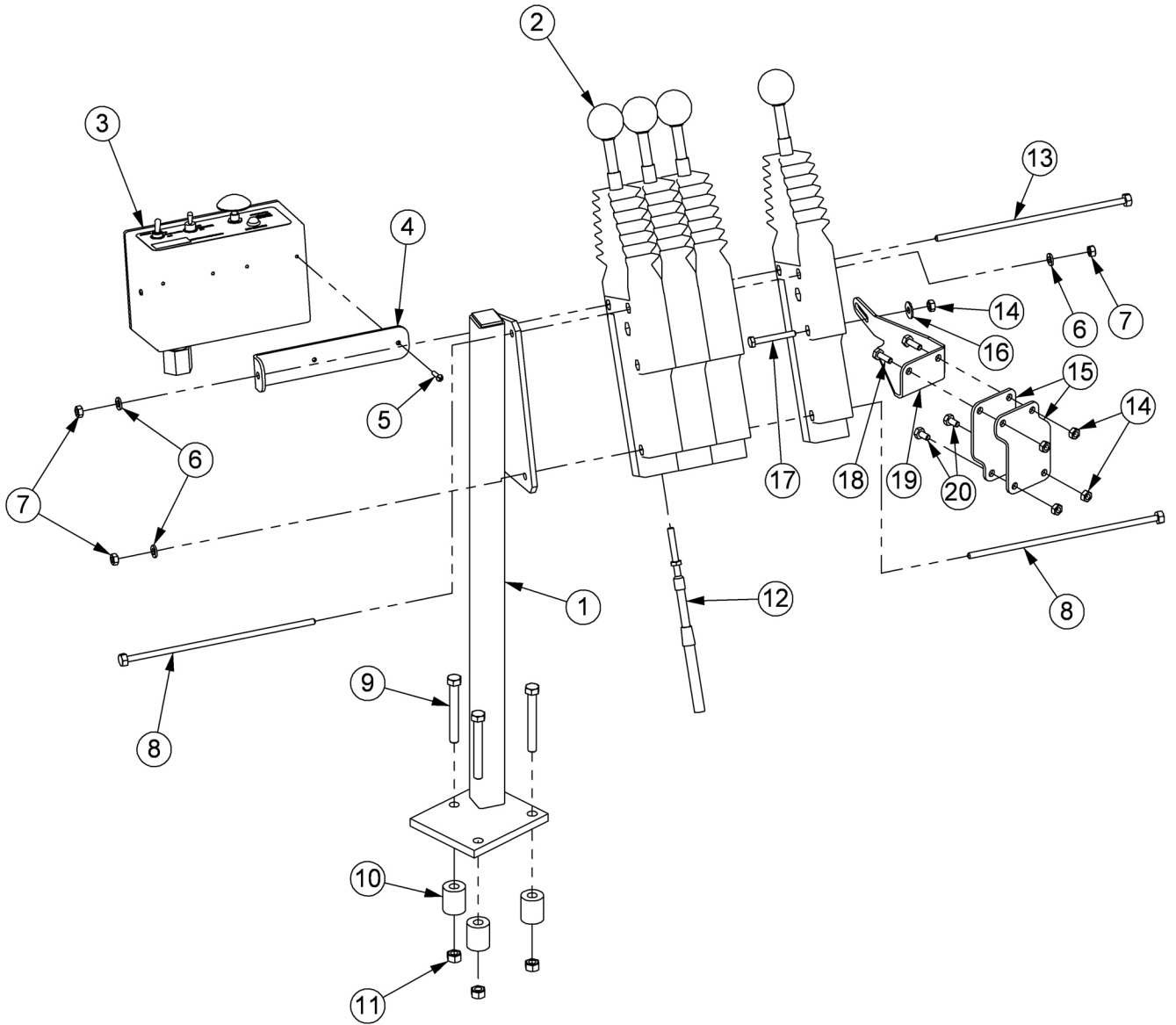


BUMPER TANK

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 34666 | 1 | RESERVOIR TANK |
| 2 | 35269 | 1 | IN-TANK FILTER ASSY |
| 3 | 21627 | 4 | NYLOCK NUT,3/8",NC |
| 4 | 06410259 | 1 | RIGHT HAND TANK BRACKET |
| 5 | 06410258 | 1 | LEFT HAND TANK BRACKET |
| 6 | 06410150 | 2 | SMALL MOUNT PLATE |
| 7 | 21780 | 12 | CAPSCREW,5/8" X 1-1/4",NC |
| 8 | 33764 | 20 | FLATWASHER,5/8" |
| 9 | 21825 | 4 | HEX NUT,3/4",NC |
| 10 | 22021 | 4 | FLATWASHER,3/4" |
| 11 | 21993 | 4 | LOCKWASHER,3/4" |
| 12 | 21835 | 4 | CAPSCREW,3/4" X 2-3/4",NC |
| 13 | 22421 | 4 | CAPSCREW,16MM X 40MM,2.0P |
| 14 | 32324 | 1 | SOLENOID BRACKET - LH |
| 15 | 32323 | 1 | SOLENOID BRACKET - RH |
| 16 | 06505067 | 1 | SIGHT GAGE |
| 17 | 06505077 | 1 | PRESSURE CAP |
| --- | 6T0649 | 1 | FILTER GAUGE (NOT SHOWN) |

4-SPOOL CABLE CONTROL MOUNT

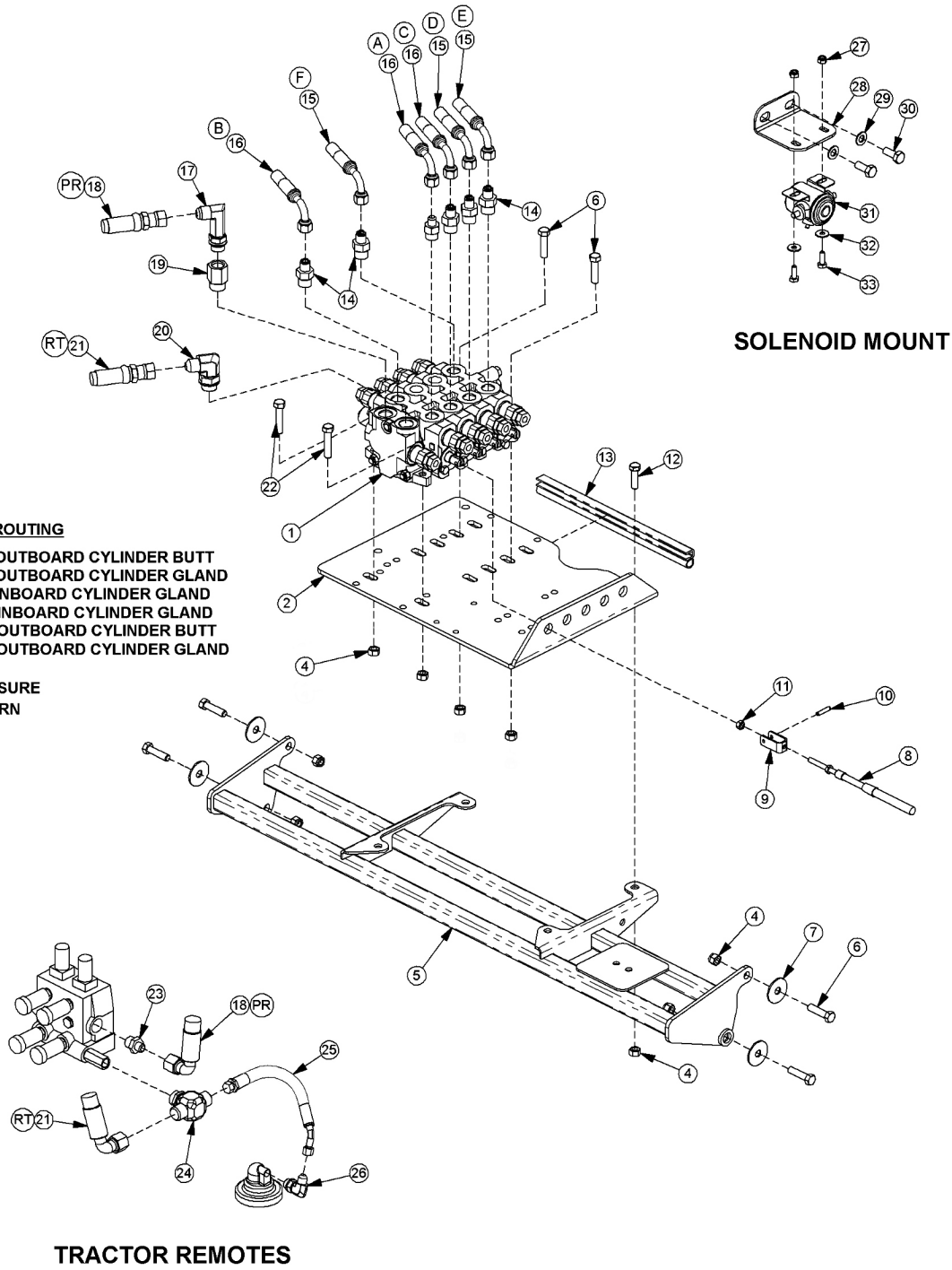


4-SPOOL CABLE CONTROL MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 31923 | 1 | BRKT,CTRL,CBL |
| 2 | 6T1251 | 4 | CBL CTRL BOX,180 DEG |
| 3 | 06510097 | 1 | SWITCHBOX |
| 4 | 34496 | 1 | BRKT,SWITCHBOX |
| 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 | 21546 | 2 | CAPSCREW,1/4" X 7",NC |
| 9 | 21636 | 3 | CAPSCREW,3/8" X 2-1/2",NC |
| 10 | 27082B | 3 | SPACER |
| 11 | 21627 | 3 | NYLOCK NUT,3/8",NC |
| 12 | 06505100 | 4 | CBL,CNTRL,108" |
| 13 | 21547 | 1 | CAPSCREW,1/4" X 8",NC |
| 14 | 21527 | 4 | NYLOCK NUT,1/4",NC |
| 15 | 06411086 | 2 | BRKT,MNT |
| 16 | 22014 | 1 | FLATWASHER,1/4" |
| 17 | 21534 | 1 | CAPSCREW,1/4" X 2",NC |
| 18 | 21529 | 2 | CAPSCREW,1/4" X 3/4",NC |
| 19 | 06411087 | 1 | BRKT,STABILIZER |
| 20 | 21528 | 2 | CAPSCREW,1/4" X 1/2",NC |

CABLE (MANUAL) LIFT VALVE MOUNT

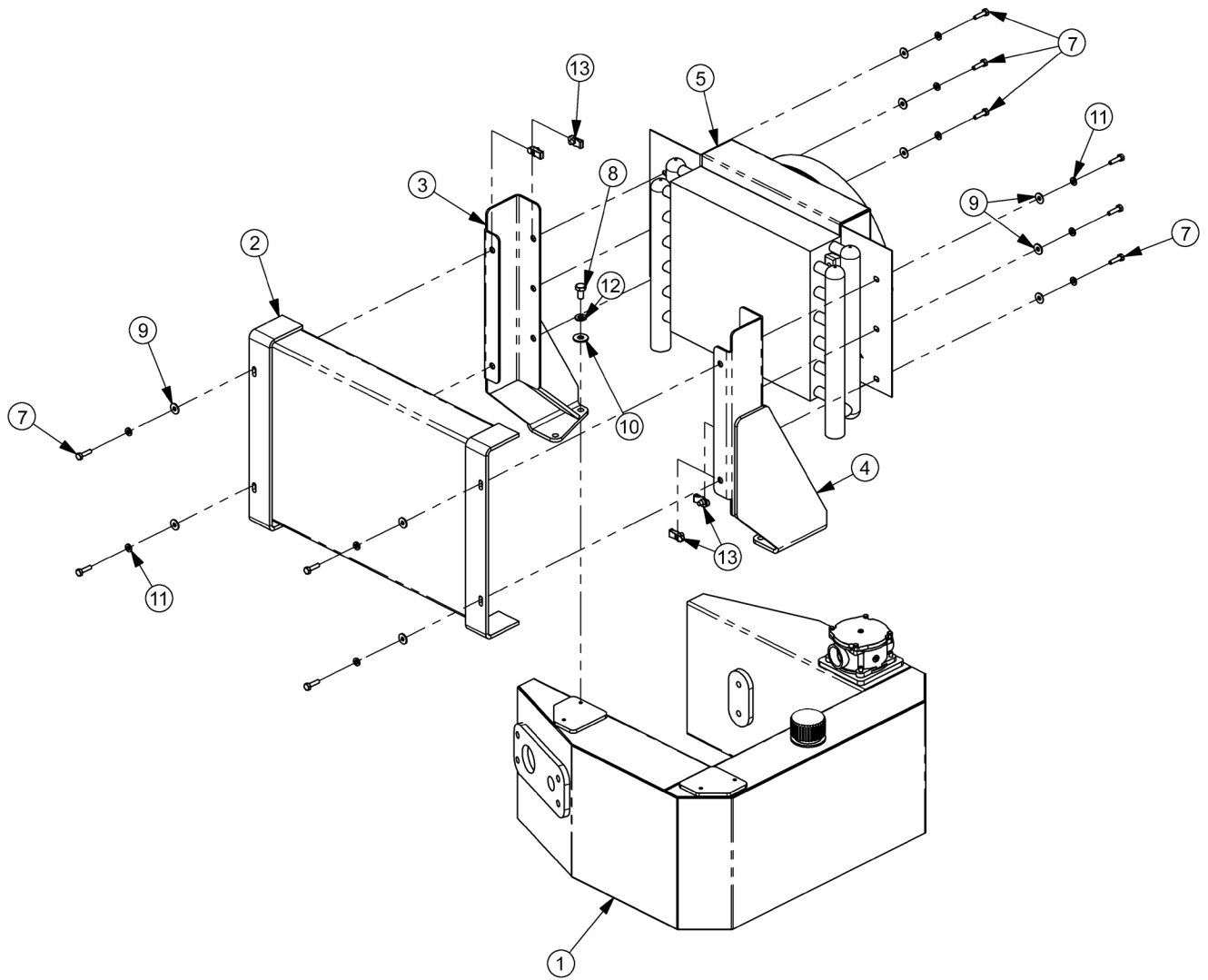


CABLE (MANUAL) LIFT VALVE MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | TF4210 | 1 | VALVE,4SP,HSC,T3F |
| 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 | 33293 | 1 | ELBOW,1/2"MOR L X 1/2"MJ |
| 18 | 06500467 | 1 | HOSE,1/2" X 31" |
| 19 | 32678 | 1 | ADAPTER,5/8"MOR X 1/2"FOR |
| 20 | 33383 | 1 | ELBOW,5/8"MOR X 1/2"MJ |
| 21 | 06500468 | 1 | HOSE,1/2" X 33" |
| 22 | 21633 | 2 | CAPSCREW,3/8" X 1-3/4",NC |
| 23 | RE267820 | 1 | ADAPTER,PB |
| 24 | 06503130 | 1 | TEE,BRANCH |
| 25 | 06500533 | 1 | HOSE,3/4" X 37" *REPLACES TRACTOR HARD-LINE |
| 26 | ----- | - | ELBOW *EXISTING TRACTOR PART |
| 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 |

COOLER MOUNT

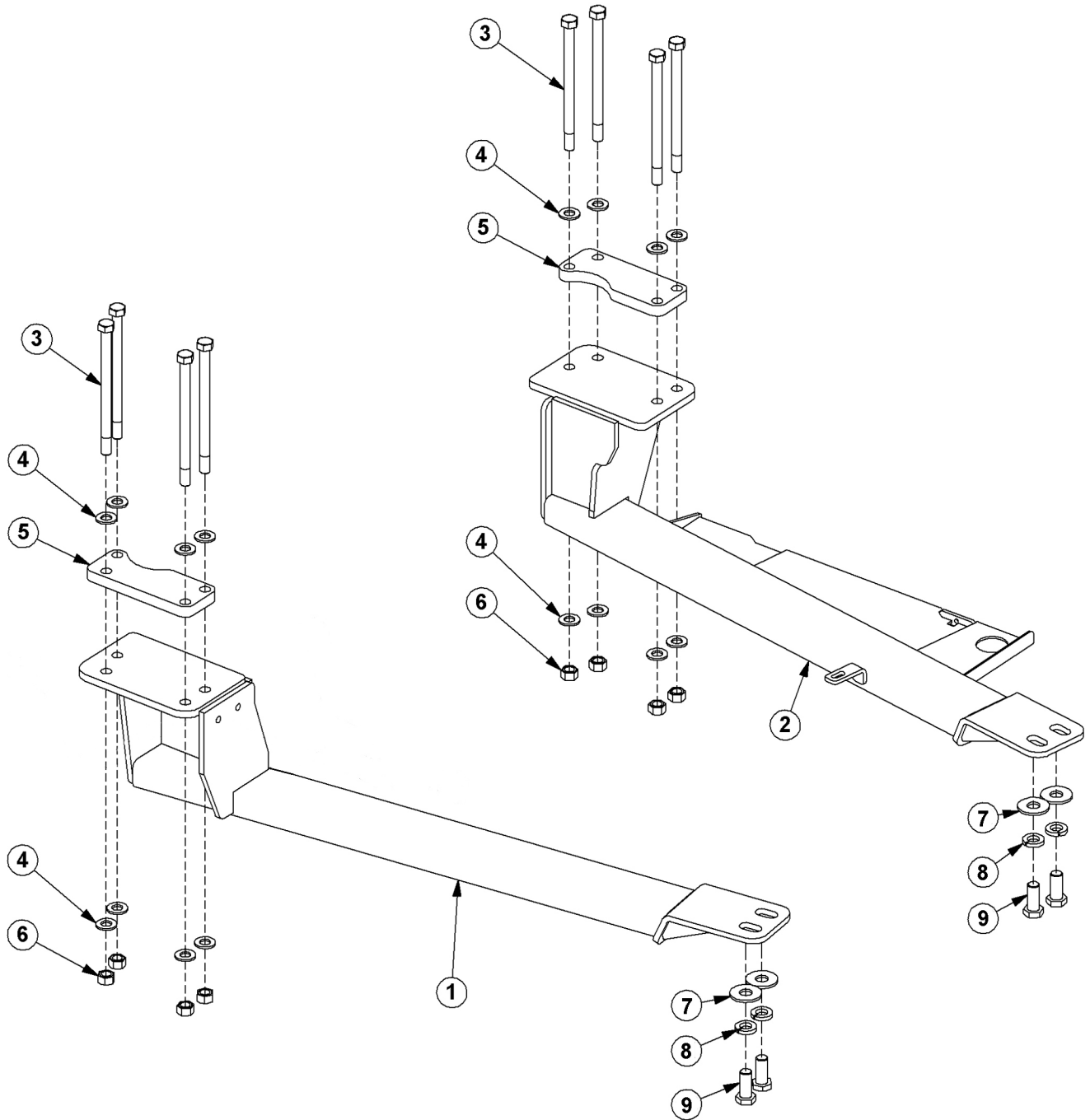


COOLER MOUNT

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 |

AXLE BRACES

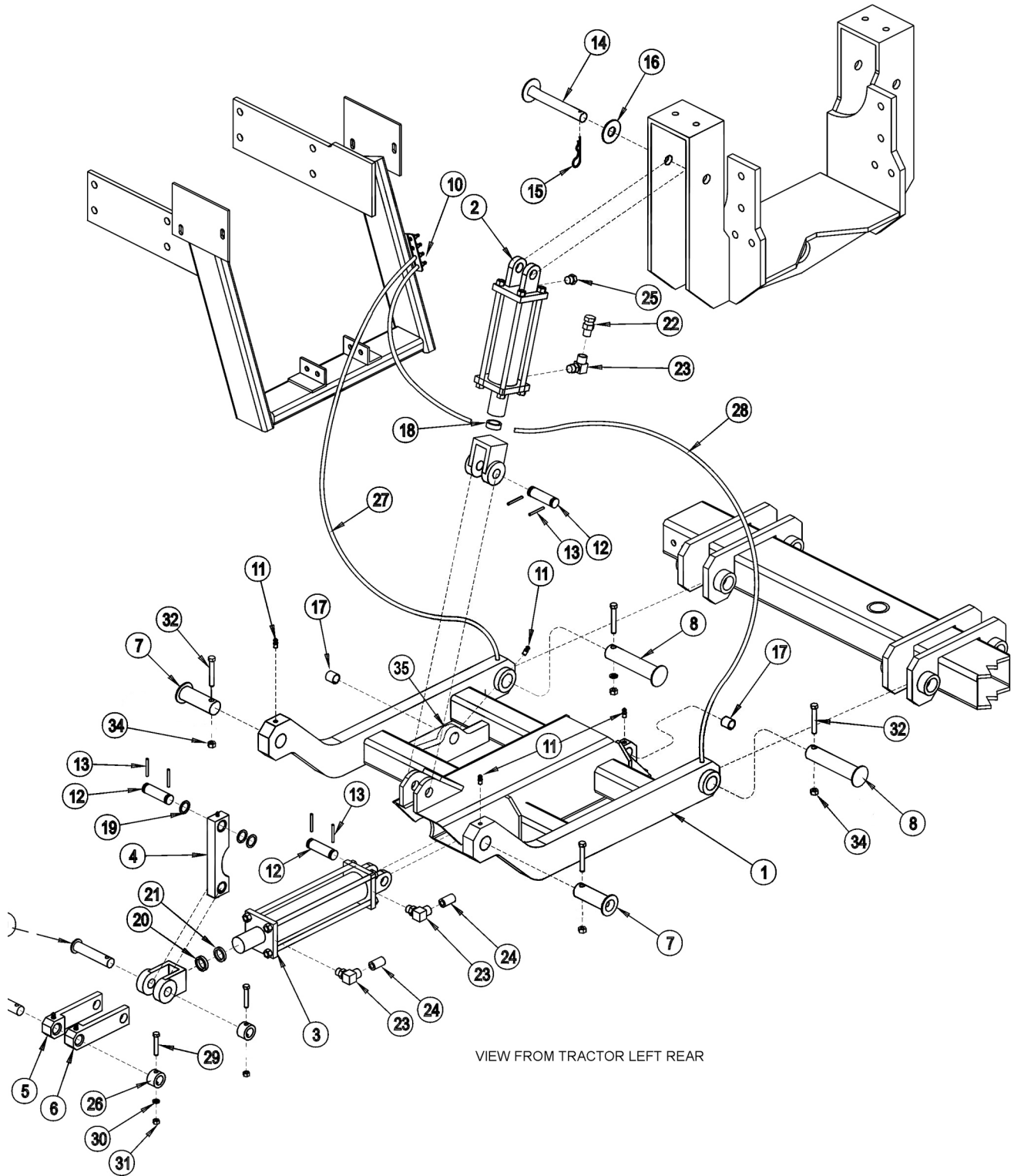


AXLE BRACES

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06300306 | 1 | AXLE BRACE,RIGHT HAND |
| 2 | 06300307 | 1 | AXLE BRACE,LEFT HAND |
| 3 | 21797 | 8 | CAPSCREW,5/8" X 9",NC |
| 4 | 33764 | 16 | FLATWASHER,5/8",GR8 |
| 5 | 06401246 | 2 | CLAMP PLATE |
| 6 | 21775 | 8 | HEX NUT,5/8",NC |
| 7 | 22021 | 4 | FLATWASHER,3/4" |
| 8 | 21993 | 4 | LOCKWASHER,3/4" |
| 9 | 21831 | 4 | CAPSCREW,3/4" X 1-3/4",NC |

DRAFT BEAM LH

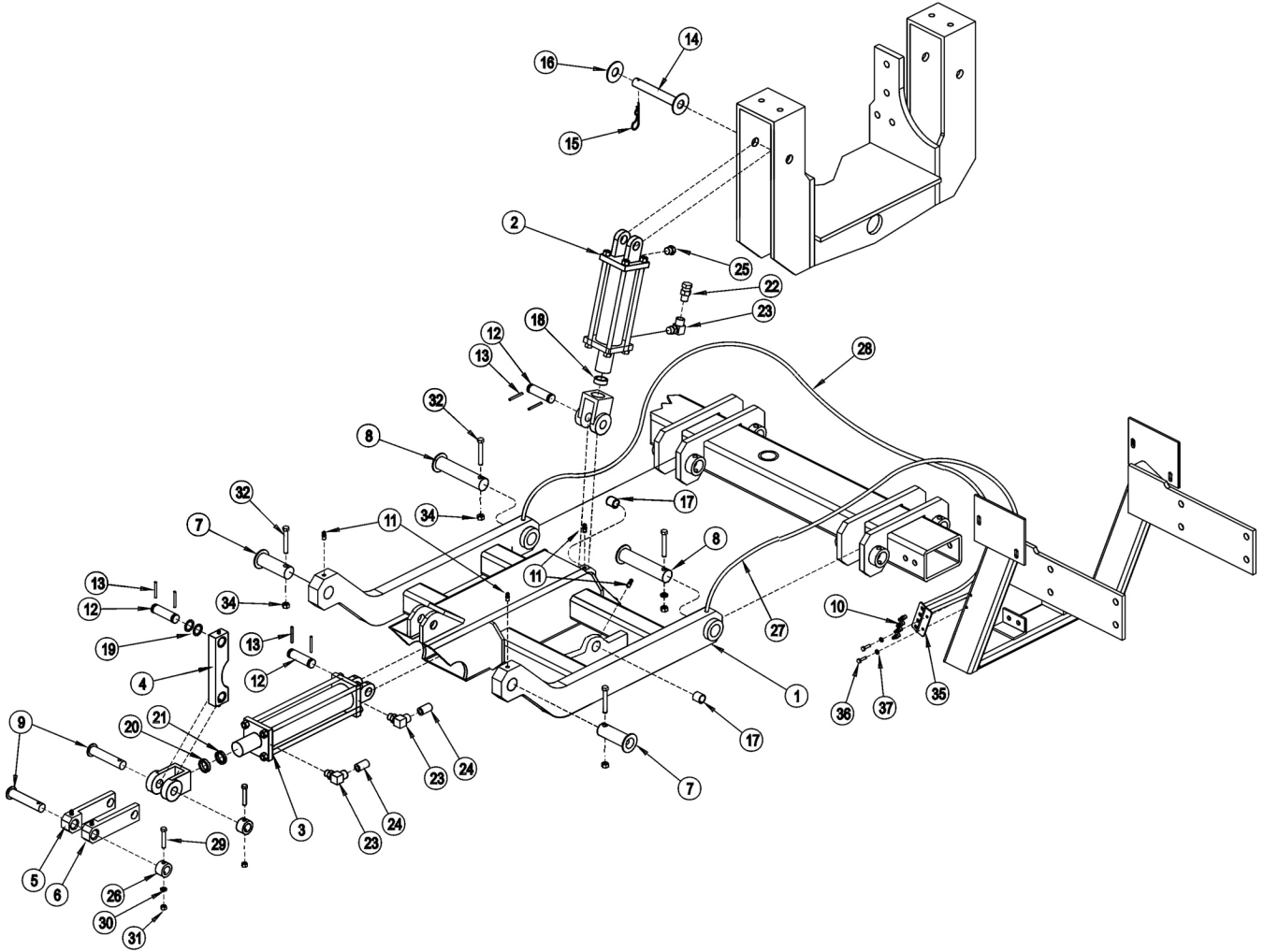


DRAFT BEAM LH

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------|
| 1 | 30975B | 1 | LEFT HAND DRAFT BEAM |
| 2 | 31211 | 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 |
| 18 | 31208 | 1 | SPACER |
| 19 | 23724 | 3 | SHIM |
| 20 | 22076 | 1 | SPACER |
| 21 | 22077 | 1 | SPACER |
| 22 | 31189 | 1 | RESTRICTOR |
| 23 | 34244 | 3 | FITTING,1/2"MOR X 1/2"FOR |
| 24 | 34396 | 2 | 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 | 22016 | 2 | FLATWASHER,3/8" |
| 31 | 21627 | 2 | NYLOCK NUT,3/8" |
| 32 | 21688 | 4 | CAPSCREW,7/16" X 3-1/4",NC |
| 33 | 21989 | 4 | LOCKWASHER,7/16" |
| 34 | 21677 | 4 | NYLOCK NUT,7/16" |

DRAFT BEAM RH



DRAFT BEAM RH

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------|
| 1 | 30974B | 1 | RIGHT HAND DRAFT BEAM |
| 2 | 31211 | 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 | 6537021 | 6 | ROLL PIN |
| 14 | 6T3005 | 1 | CYLINDER PIN |
| 15 | 6T3004 | 1 | R-CLIP |
| 16 | 22023 | 1 | FLATWASHER,1" |
| 17 | TB3010 | 2 | BUSHING |
| 18 | 31208 | 1 | SPACER |
| 19 | 22973A | 2 | SHIM |
| 20 | 22076 | 1 | SPACER |
| 21 | 22077 | 1 | SPACER |
| 22 | 31189 | 1 | RESTRICTOR |
| 23 | 34244 | 3 | FITTING,1/2"MOR X 1/2"FOR |
| 24 | 34396 | 2 | 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 | 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

EGRESS

**EGRESS
SECTION**

TRIPLE EGRESS MOUNTING

Park the tractor on a flat, hard, level surface. Lower both side decks down onto the hard surface. Make sure the engine is off and the park brake has been set. Operate the lift controls several times to release any pressure contained in the hydraulic lift system. Disconnect the positive battery cable from the battery. Then remove the right rear wheel from the tractor. Next remove the left side deck lift hoses from the lift valve and both lift cylinders, mark or label valve ports and cylinders as hoses are removed.

Install the egress switch box brackets on the left side of the mower pump mounting bracket, using hardware supplied. See pictures on next page. After the bracket is secured, then remove the front cover from the switch box, and install the switch box back half to the switch box bracket with (4) 8/32 x 1/2" machine screws. Reinstall the front cover onto the switch box.

Install the egress pump mounting bracket onto the right side of the tractor located under the cab in front of the right rear axle using hardware provided. Next preassemble the rear half of the pump cover onto the egress pump with the hardware provided, do not tighten bolt at this time. Connect the hoses for the C1 port to the egress pump port only. Do not tighten hoses at this time. The pump is now ready to be mounted to the pump mounting bracket. Secure egress pump to the bracket with the hardware provided.

Locate the ports on the egress pump labeled "A1", "A2", "B1", "B2", "C1" and "C2", these ports will be the connection points for the hydraulic lift lines.

- A1 port - to lift valve -- left hand outboard cylinder butt
- A2 port - to cylinder -- left hand outboard cylinder butt
- B1 port - to lift valve -- left hand outboard cylinder gland
- B2 port - to cylinder -- left hand outboard cylinder gland
- C1 port - to lift valve -- left hand inboard cylinder gland
- C2 port - to cylinder -- left hand inboard cylinder gland

Route the hoses to the lift valve and or cylinder as specified above, tighten all hose fittings. Refer to the Parts section for the location of hose connections on the lift valve.

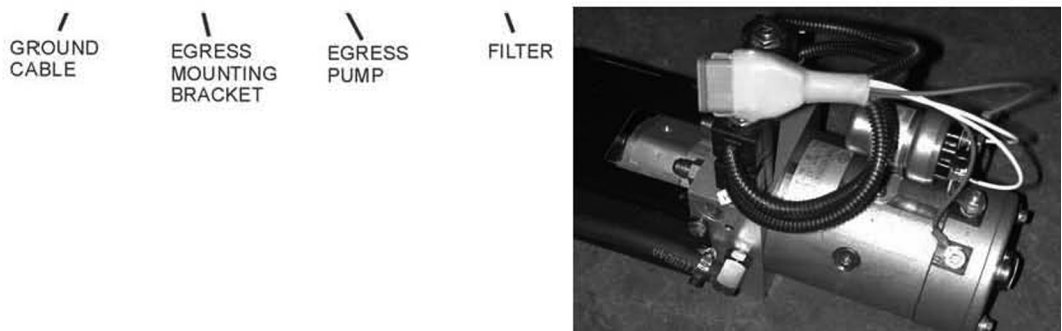
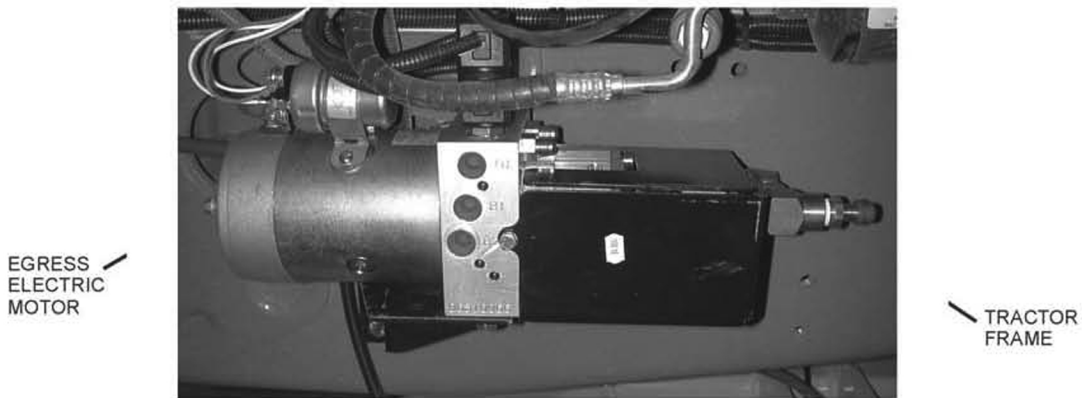
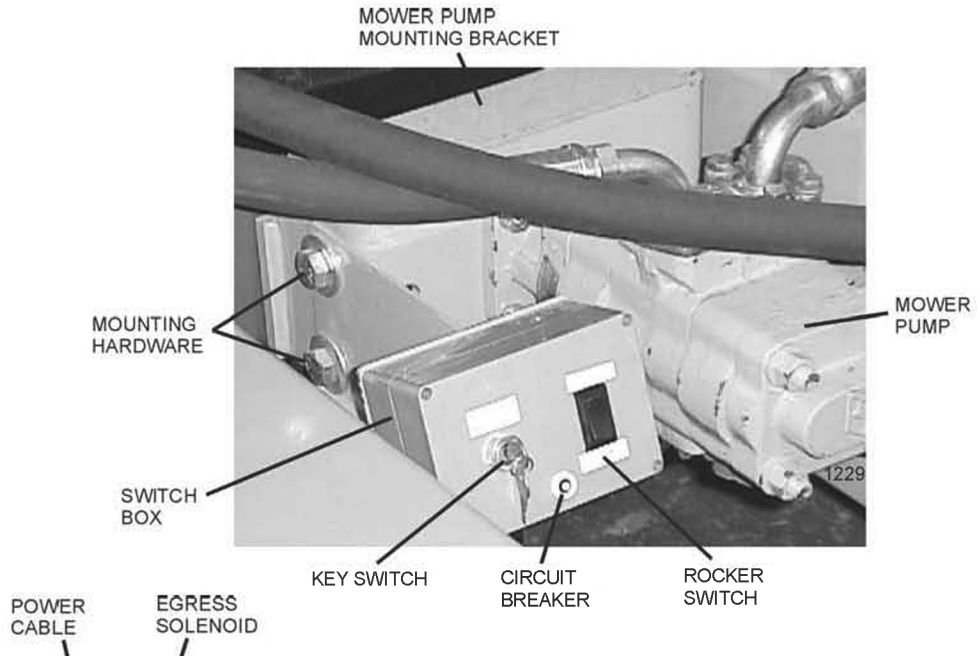
Now that the hydraulic lines are installed, connect the power cable from the positive post of the egress pump solenoid to the tractor starter solenoid positive post. Also connect the ground cable from the negative post on the egress pump electric motor to a bracket mounting bolt on the frame. Then route the cable from the switch box along the tractor to the egress pump and connect the male to the female plug. Secure cable with cable tie.

Next remove the drain plug on the bottom of the tractors transmission, **CAUTION** hydraulic oil will come out and maybe hot. Oil loss can be reduced by attaching a shop vacuum to the tractor transmission fill neck. Install fittings into the transmission drain hole, refer to part section for parts and illustrations. Connect the suction hose from the filter to the fittings on the tractor transmission, cut the hose to the required length. Install a hose clamp both end of the hose.

Install the front half of the cover onto the egress pump with provided hardware. Make sure all mounting hardware and hose connections are tight. Check hydraulic oil level and add if required. Reinstall the right rear wheel and reconnect the positive battery cable to the battery.

TRIPLE EGRESS MOUNTING CONTINUED

NOTE: Use the egress pump ONLY for lifting or lowering the head for storage or transportation by trailer. When the egress pump is not in use make sure the switch box key is in the OFF position and key has been removed.



EGRESS OPERATION

EGRESS OPERATION

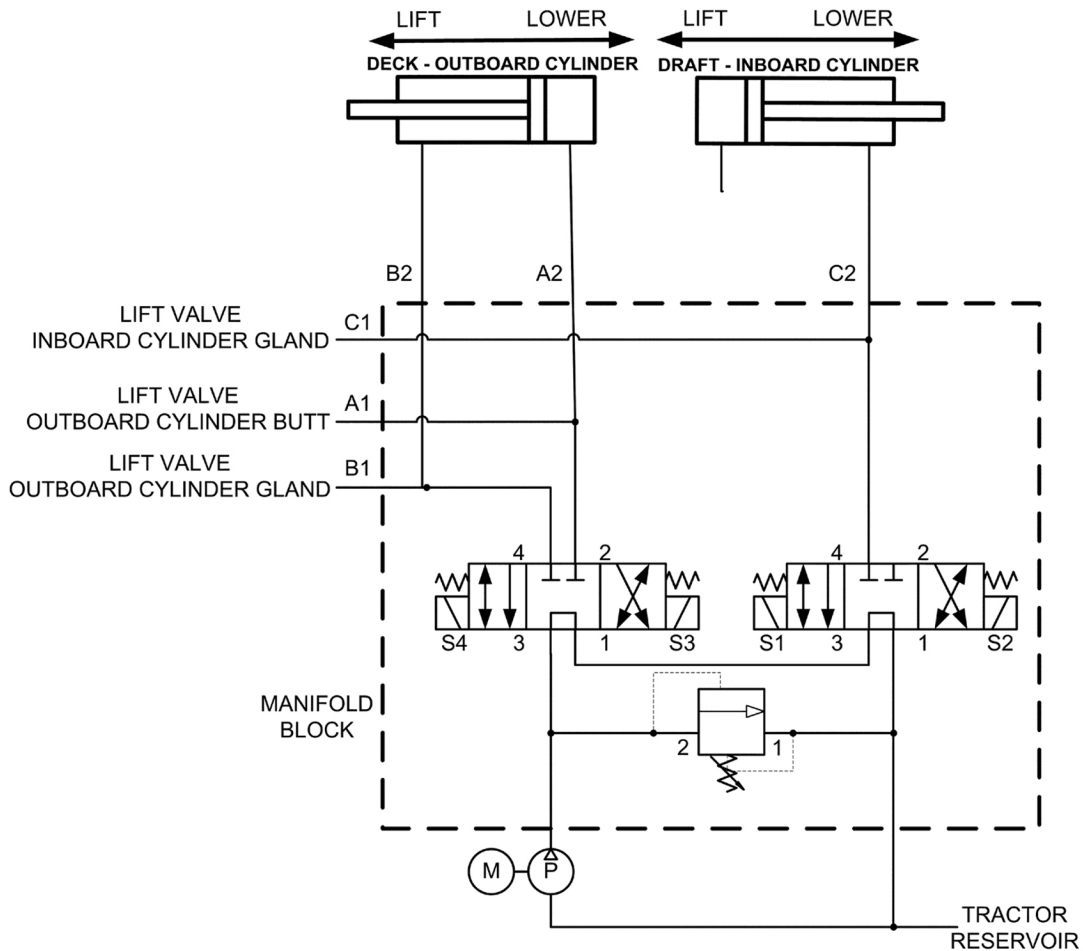
When operating the egress system to lift the deck, turn the key to the "DRAFT" position and push the rocker switch to the "LIFT" position and it will lift the draft beam. Once the draft beam is lifted to the highest position, then turn the key to the "DECK" position and push the rocker switch to the "LIFT" position, and that will raise the deck up to the travel lock. To seat the deck into the travel lock turn the key back to the "DRAFT" position and push the rocker switch to the "LOWER" position, until the deck is fully seated into the travel lock. Turn the key to the "OFF" position and remove the key. To lower the deck in sert key and reverse the steps that were done to raise the deck.

WARNING!



CAUTION: Never leave the key in the egress switch box. Field conditions can shake the key out of the switch box and become lost. Also personal injury or death can occur from sudden dropping or inadvertent operation of the controls. Make certain the area is clear before lowering or raising the deck.

TRIPLE EGRESS HYDRAULIC DIAGRAM



EGRESS TROUBLESHOOTING

FAILURE MODE:

- DECK OR DRAFT CYLINDER ONLY GOES ONE WAY.
- DECK OR DRAFT CYLINDER WILL NOT STAY IN POSITION.
- WILL OPERATE WITH LIFT VALVE, BUT NOT WITH EGRESS.
- EGRESS DOES NOT OPERATE AS FAST AS IT USED TO.

CHECK STEPS

- 1 and 2
- 1 and 2
- 3 and 5
- 3 and 4

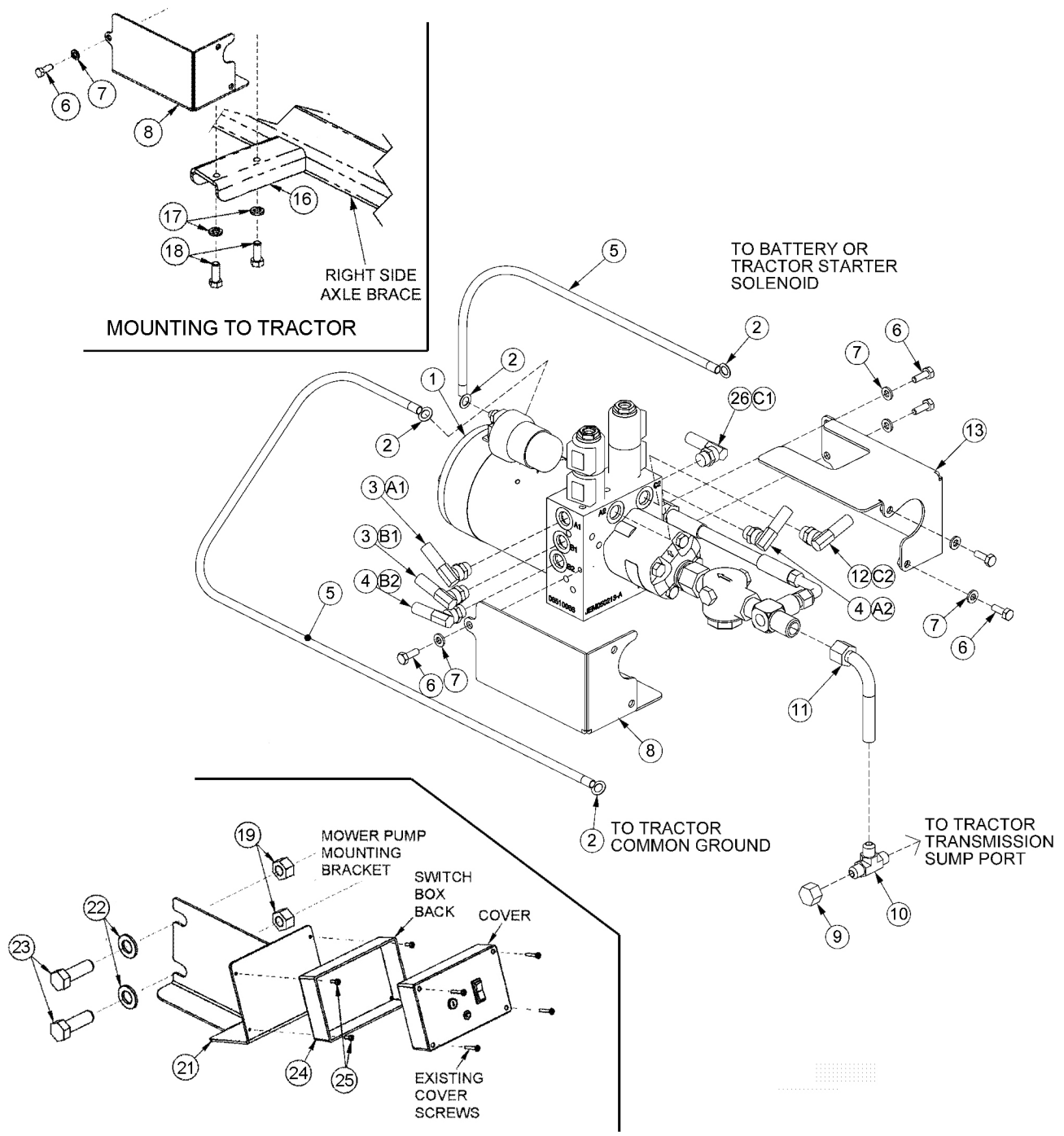
CORRECTIVE STEPS:

1. Remove relief valve installed on tractor lift valve. Visually inspect for contamination.
2. Remove solenoid valve (S1, S2, S3, S4) from egress unit and verify spool shift.
3. Remove relief valve from egress unit and visually inspect for contamination.
4. Inspect suction strainer for contamination.
- 5a. Verify supply voltage at pump motor posts on egress.
- 5b. Verify voltage at pump motor relay while switches are activated.
- 5c. Verify voltage at solenoid valve (S1, S2, S3, S4) on egress unit.
- 5d. Check or reset circuit breaker.

NOTE:

1. All voltage readings must be between 10.2 volts and 13.8 volts.

EGRESS PUMP MOUNT



HOSE ROUTING

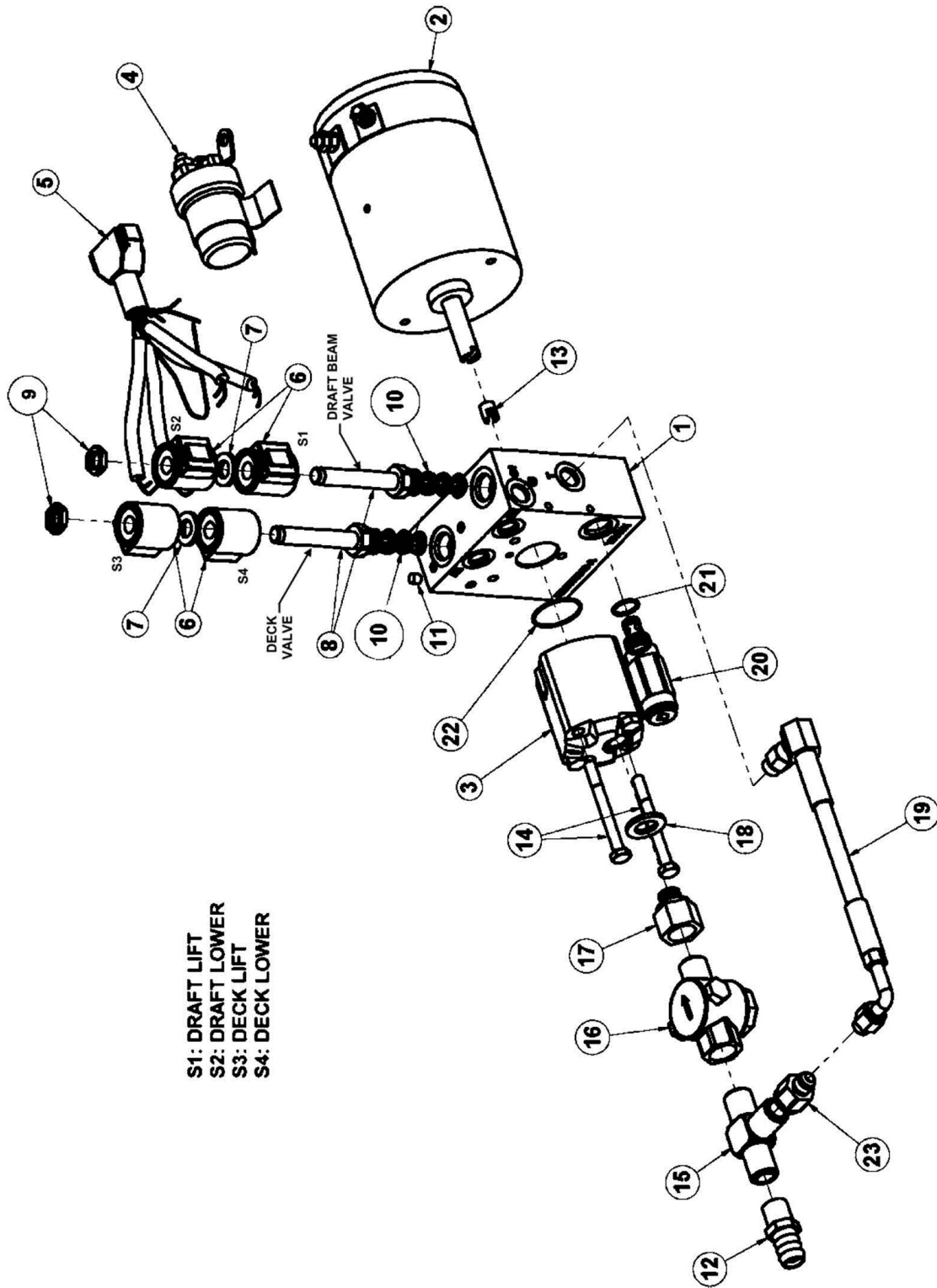
- A1 PORT - TO LIFT VALVE -- LEFT HAND OUTBOARD CYLINDER BUTT
- A2 PORT - CYLINDER -- LEFT HAND OUTBOARD CYLINDER BUTT
- B1 PORT - TO LIFT VALVE -- LEFT HAND OUTBOARD CYLINDER GLAND
- B2 PORT - TO CYLINDER -- LEFT HAND OUTBOARD CYLINDER GLAND
- C1 PORT - TO LIFT VALVE -- LEFT HAND INBOARD CYLINDER GLAND
- C2 PORT - TO CYLINDER -- LEFT HAND INBOARD CYLINDER GLAND

EGRESS PUMP MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 06510066 | 1 | EGRESS PUMP |
| 2 | 23572 | 4 | RING CONNECTOR,3/8" STUD |
| 3 | 06500476 | 2 | HOSE,1/4" X 80" |
| 4 | 34439 | 1 | HOSE,1/4" X 64" |
| 5 | 24201 | 7 | WIRE,RED,#6GA (IN FEET) |
| 6 | 21529 | 5 | CAPSCREW,1/4" X 3/4",NC |
| 7 | 21986 | 5 | LOCKWASHER,1/4" |
| 8 | 34306 | 1 | COVER,FRONT HALF |
| 9 | 06503135 | 1 | CAP,#12,JIC |
| 10 | 30009 | 1 | TEE,3/4"FJ X 3/4"MJ X 3/4"MJ |
| 11 | 06500477 | 1 | HOSE,1/2" X 32" |
| 12 | 34438 | 1 | HOSE,1/4" X 82" |
| 13 | 34307 | 1 | COVER,REAR HALF |
| 14 | 24860 | 2 | CAPSCREW,20MM X 40MM,2.5P |
| 15 | 33880 | 2 | FLATWASHER,3/4" |
| 16 | 06300306 | 1 | AXLE BRACE, RH, JD5085-100E, T3F |
| 17 | 21988 | 2 | LOCKWASHER,3/8" |
| 18 | 21629 | 2 | CAPSCREW,3/8" X 3/4",NC |
| 19 | 21825 | 2 | HEX NUT, 3/4" NC |
| 21 | 34124 | 1 | MOUNT,SWITCH BOX,EGRESS |
| 22 | 22021 | 2 | FLATWASHER,3/4" |
| 23 | 21833 | 1 | CAPSCREW,3/4" X 2-3/4",NC |
| 24 | 34123 | 1 | SWITCH BOX,EGRESS,T3F |
| 25 | 6T3951 | 4 | SCREW MACHINE,8-32UNC X 1/2" |
| 26 | 06500475 | 1 | HOSE,1/4" X 90" |

EGRESS PUMP BREAKDOWN



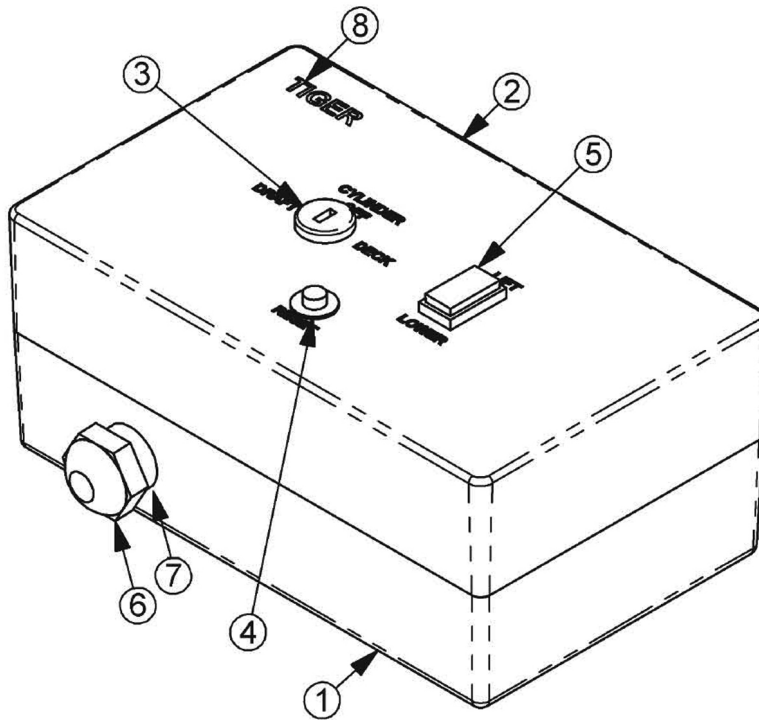
S1: DRAFT LIFT
S2: DRAFT LOWER
S3: DECK LIFT
S4: DECK LOWER

EGRESS PUMP BREAKDOWN

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------|
| --- | 06510066 | 1 | PUMP,ASSY,EGRESS |
| 1 | 06510067 | 1 | MANIFOLD |
| 2 | 06510068 | 1 | MOTOR |
| 3 | 06510070 | 1 | PUMP |
| 4 | 06510170 | 1 | RELAY |
| 5 | 06510171 | 1 | HARNES |
| 6 | 06510172 | 4 | COIL |
| 7 | 06510173 | 2 | SPACER |
| 8 | 06510174 | 2 | SPOOL |
| 9 | 06510175 | 2 | NUT |
| 10 | 06510176 | 6 | SEAL KIT,06510174 |
| 11 | 06510177 | 1 | PLUG |
| 12 | 06510179 | 1 | ADAPTER,BARB |
| 13 | 06510180 | 1 | COUPLING |
| 14 | 06510181 | 2 | BOLT |
| 15 | 06510182 | 1 | TEE |
| 16 | 06510183 | 1 | FILTER |
| 17 | 06510184 | 1 | ADAPTER,BARB |
| 18 | 06510185 | 1 | WASHER |
| 19 | 06510186 | 1 | HOSE |
| 20 | 06510187 | 1 | RELIEF |
| 21 | 06510188 | 1 | SEAL |
| 22 | 06510189 | 1 | SEAL KIT,06510066 |
| --- | 06510178 | 1 | O-RING |
| 23 | 33380 | 1 | ADAPTER,3/8" MOR X 1/2" FOR |

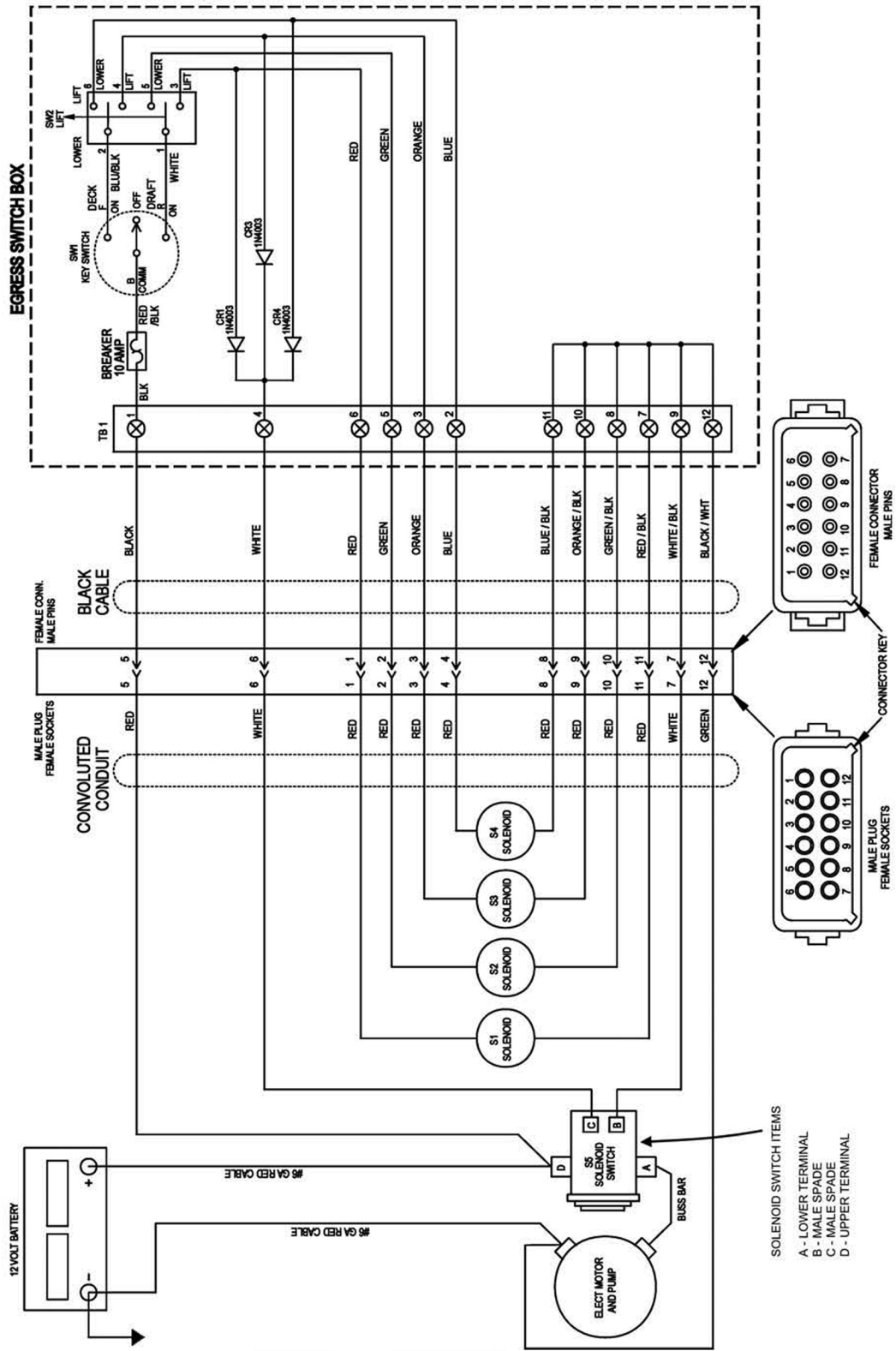
EGRESS SWITCH BOX



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------|
| 1 | 34934 | 1 | BOTTOM,EGRESS SWITCH BOX |
| 2 | 34933 | 1 | TOP,EGRESS SWITCH BOX |
| 3 | 34937 | 1 | KEY,SWITCH |
| 4 | 34936 | 1 | CIRCUIT BREAKER,10AMP |
| 5 | 34935 | 1 | ROCKER SWITCH |
| 6 | 34938 | 1 | STRAIN RELIEF |
| 7 | 34939 | 1 | LOCK NUT,3/4" |
| 8 | 34940 | 1 | DECAL,TIGER |

EGRESS SCHEMATIC

TRIPLE EGRESS SCHEMATIC



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.

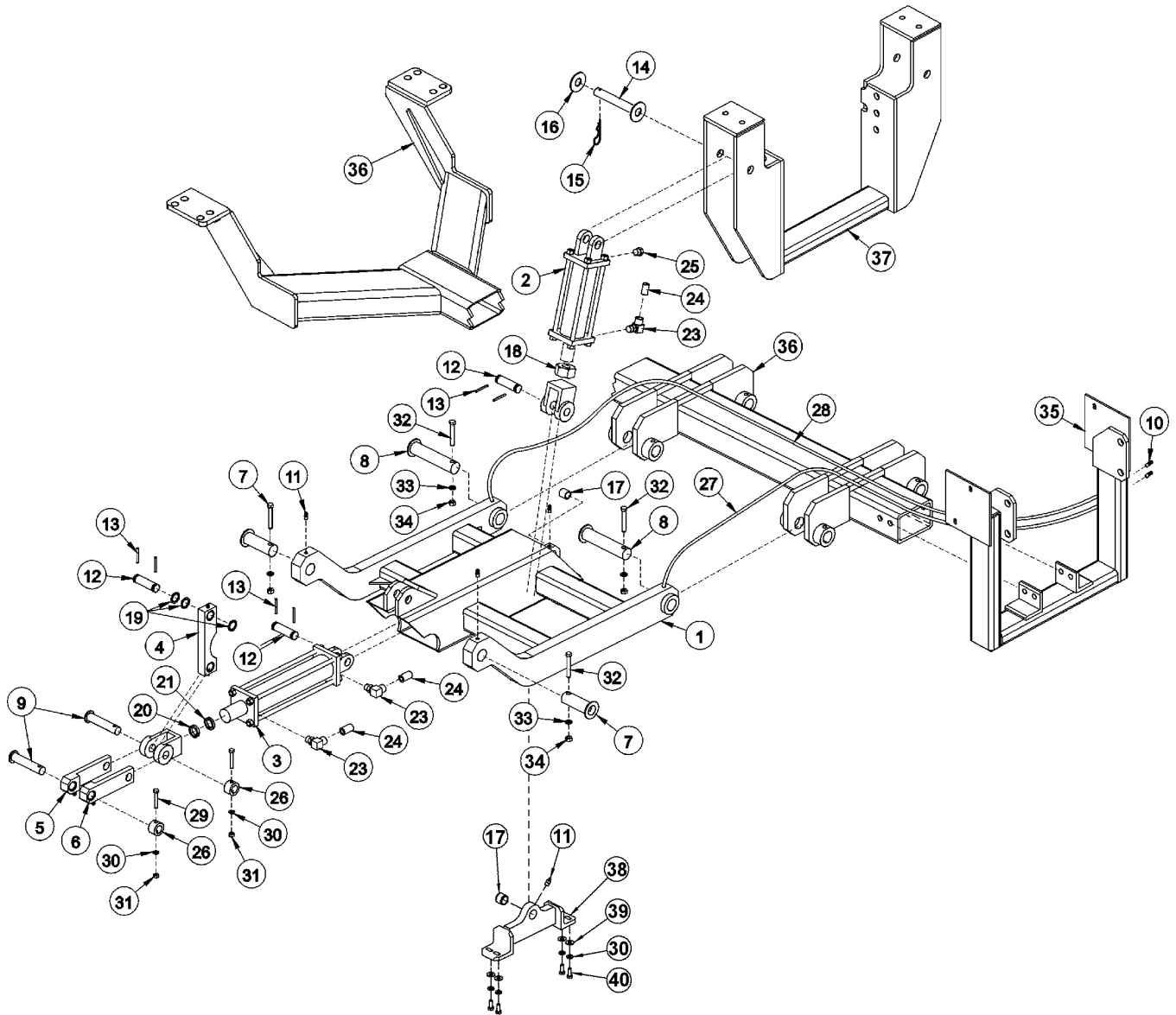


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

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

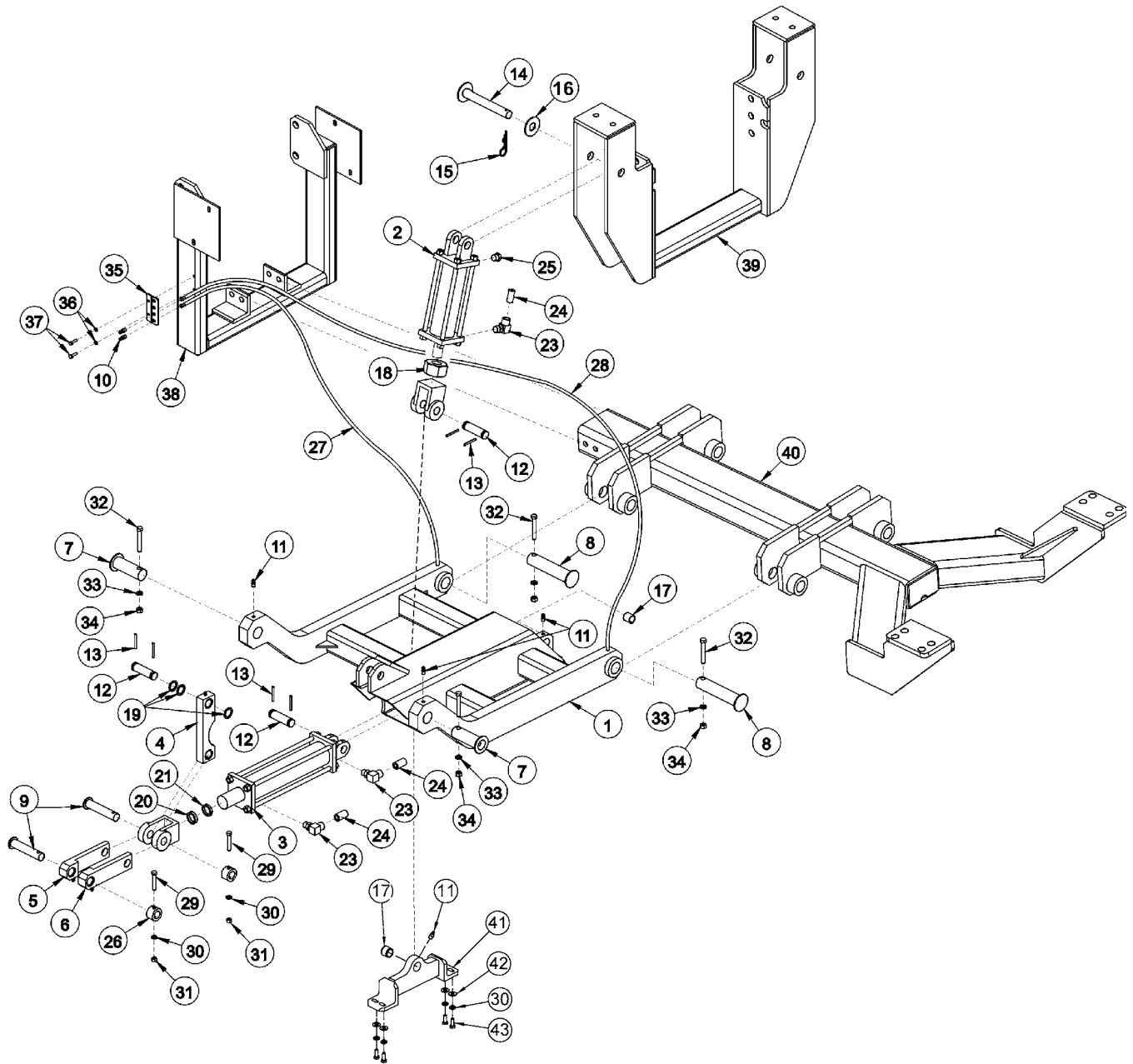
DRAFT BEAM - RIGHT HAND

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

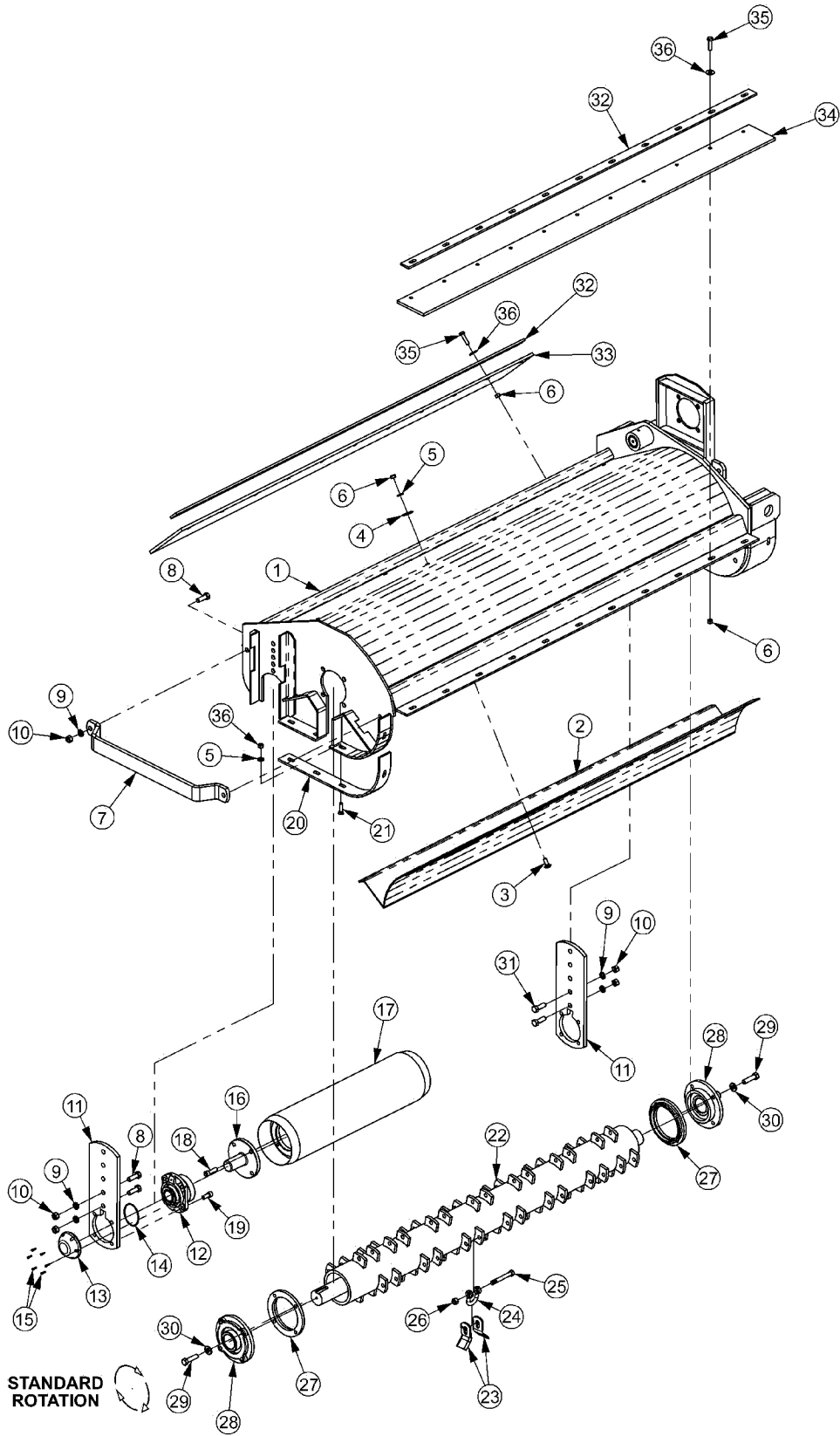
DRAFT BEAM - LEFT HAND

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

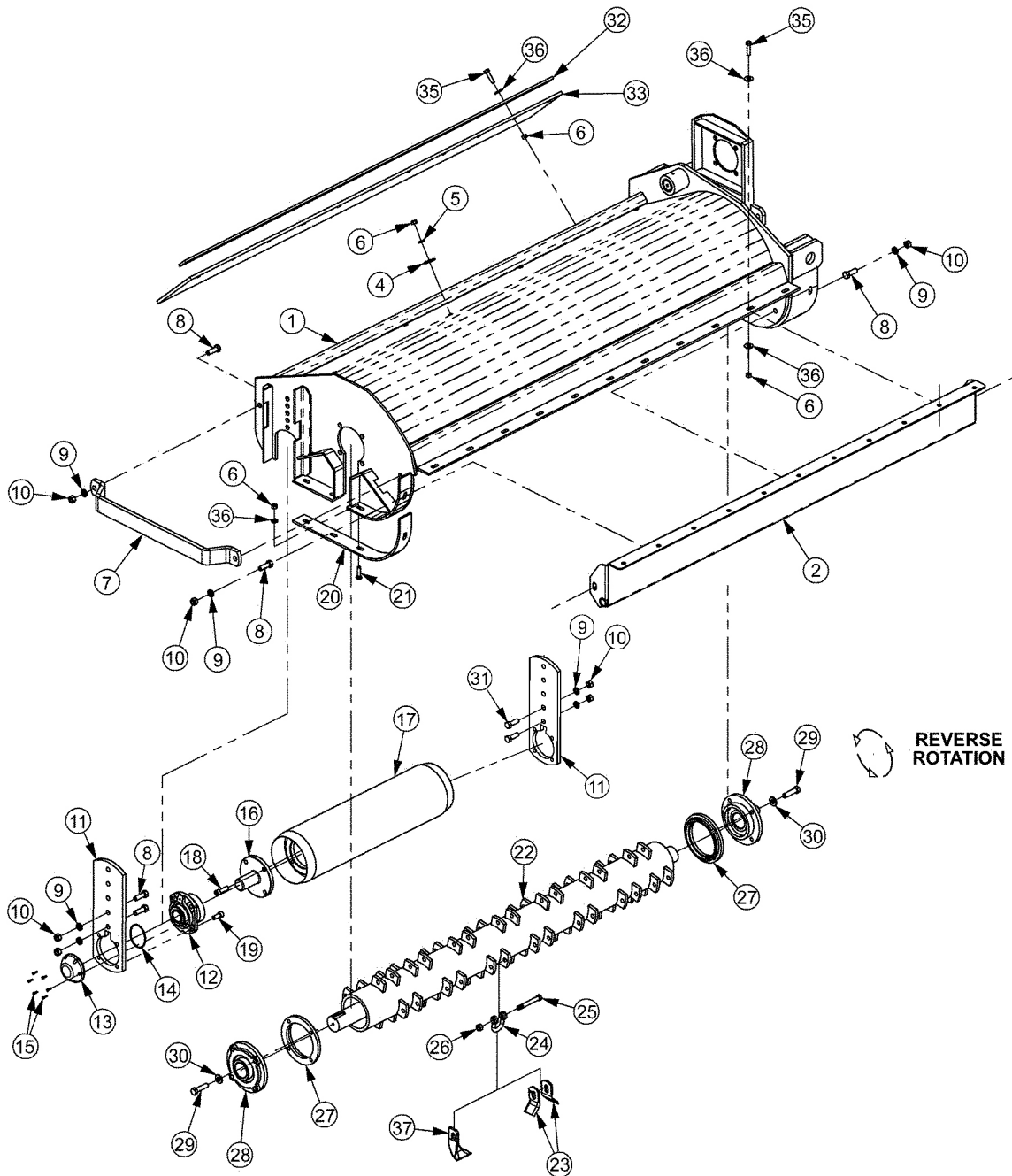
SUPER DUTY 63IN SIDE FLAIL - STD ROT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|-----------------------------------|
| 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

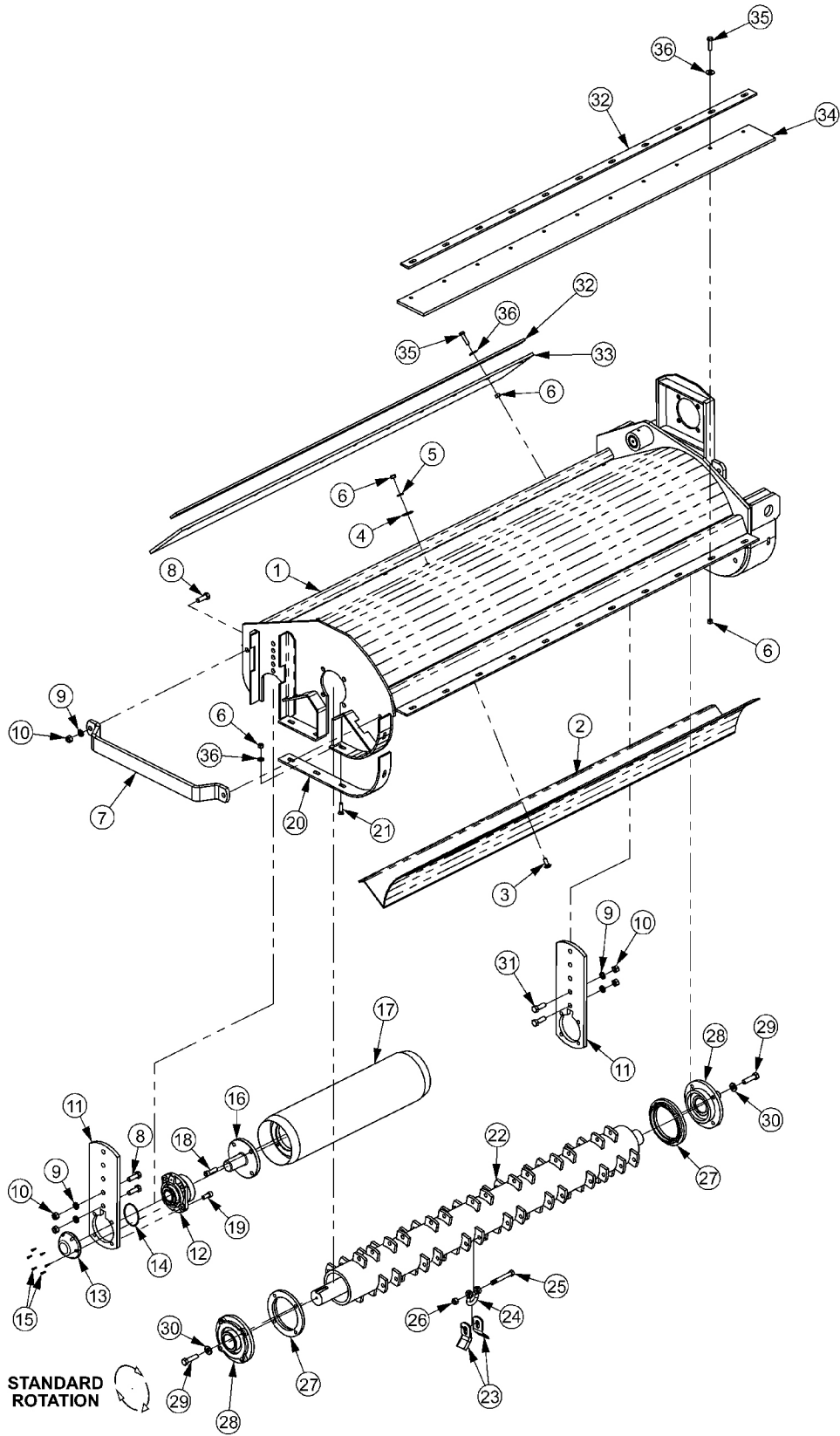
SUPER DUTY 63IN SIDE FLAIL - REV ROT

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

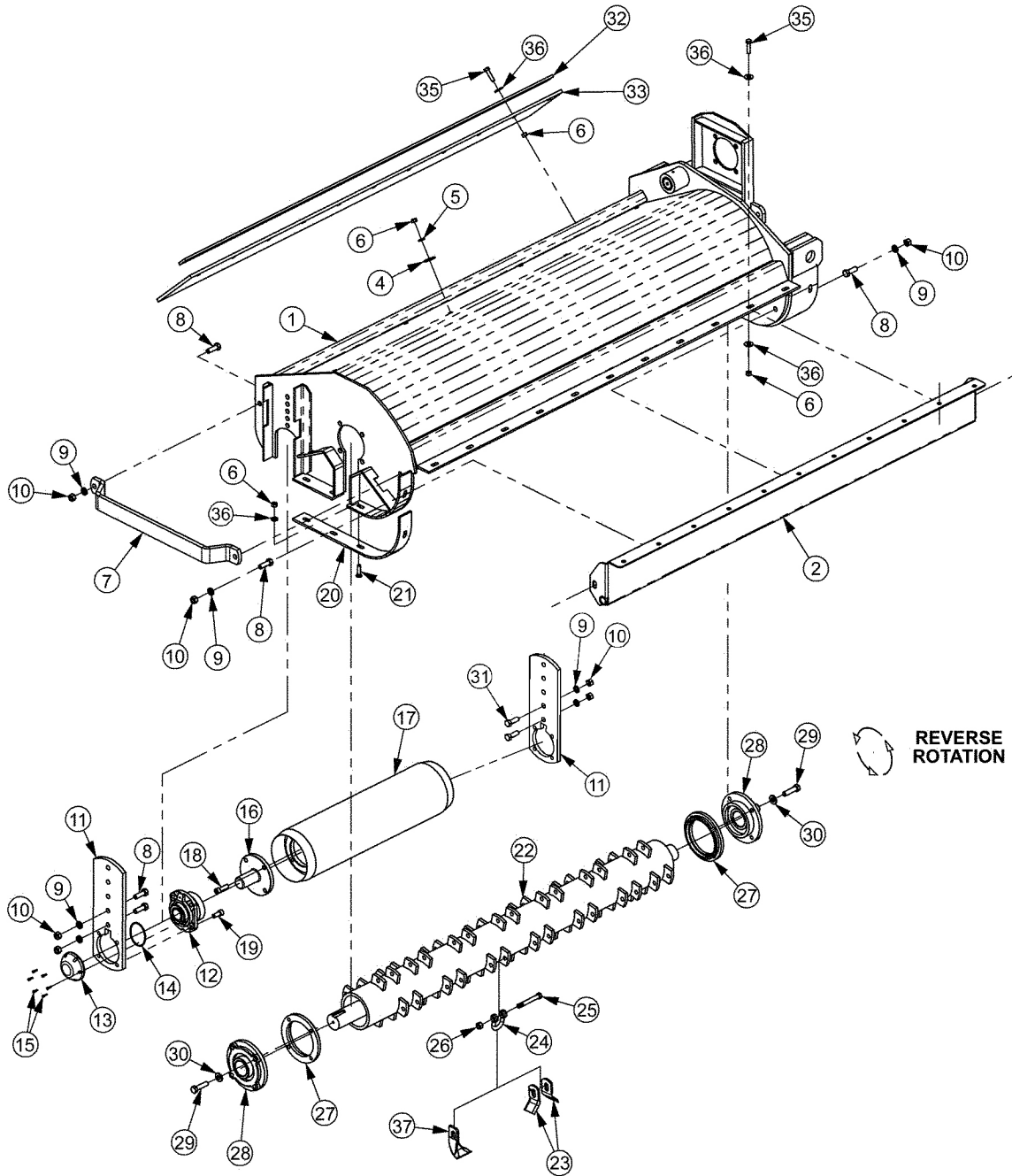
SUPER DUTY 75IN SIDE FLAIL - STD ROT

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

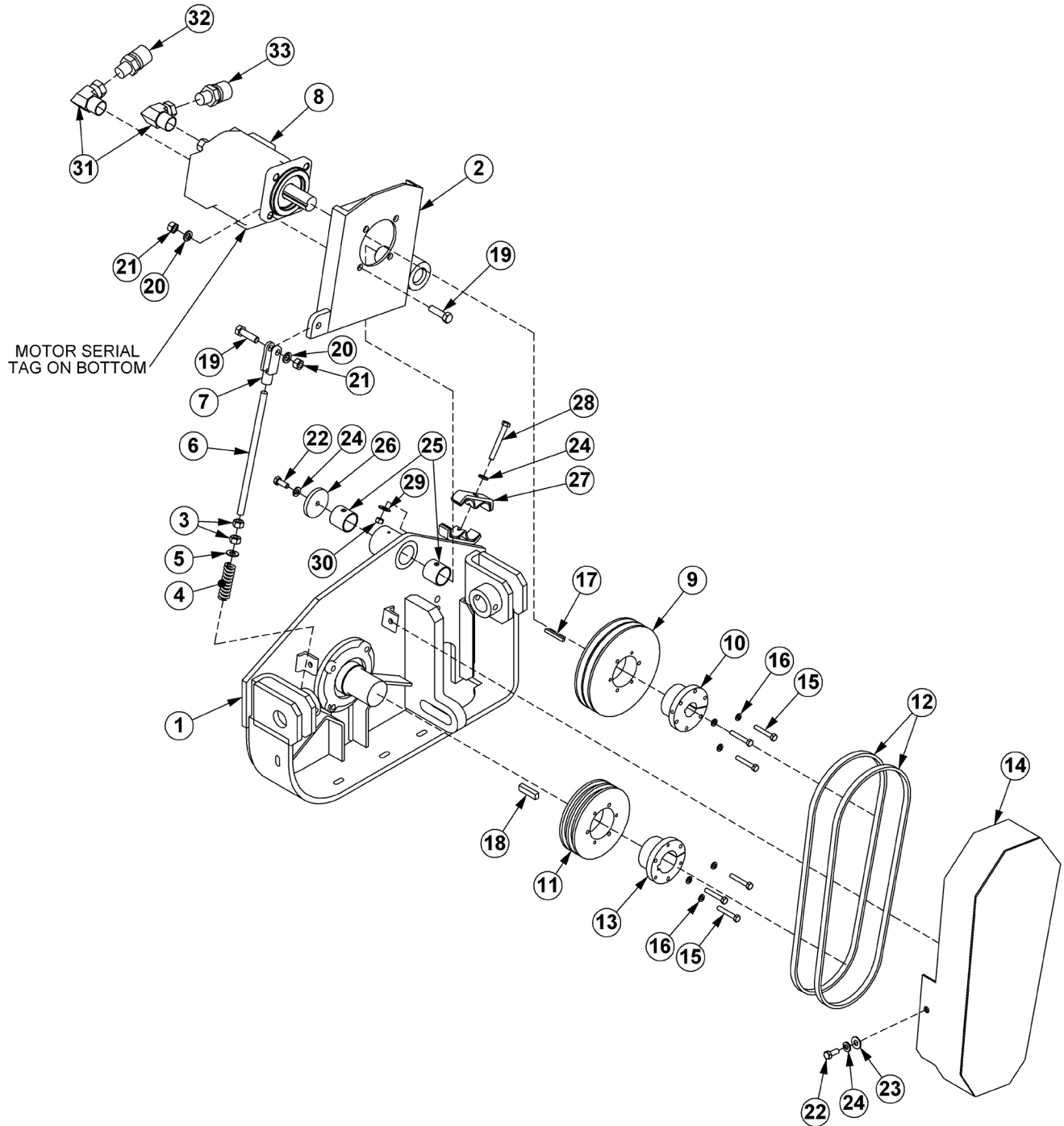
SUPER DUTY 75IN SIDE FLAIL - REV ROT

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

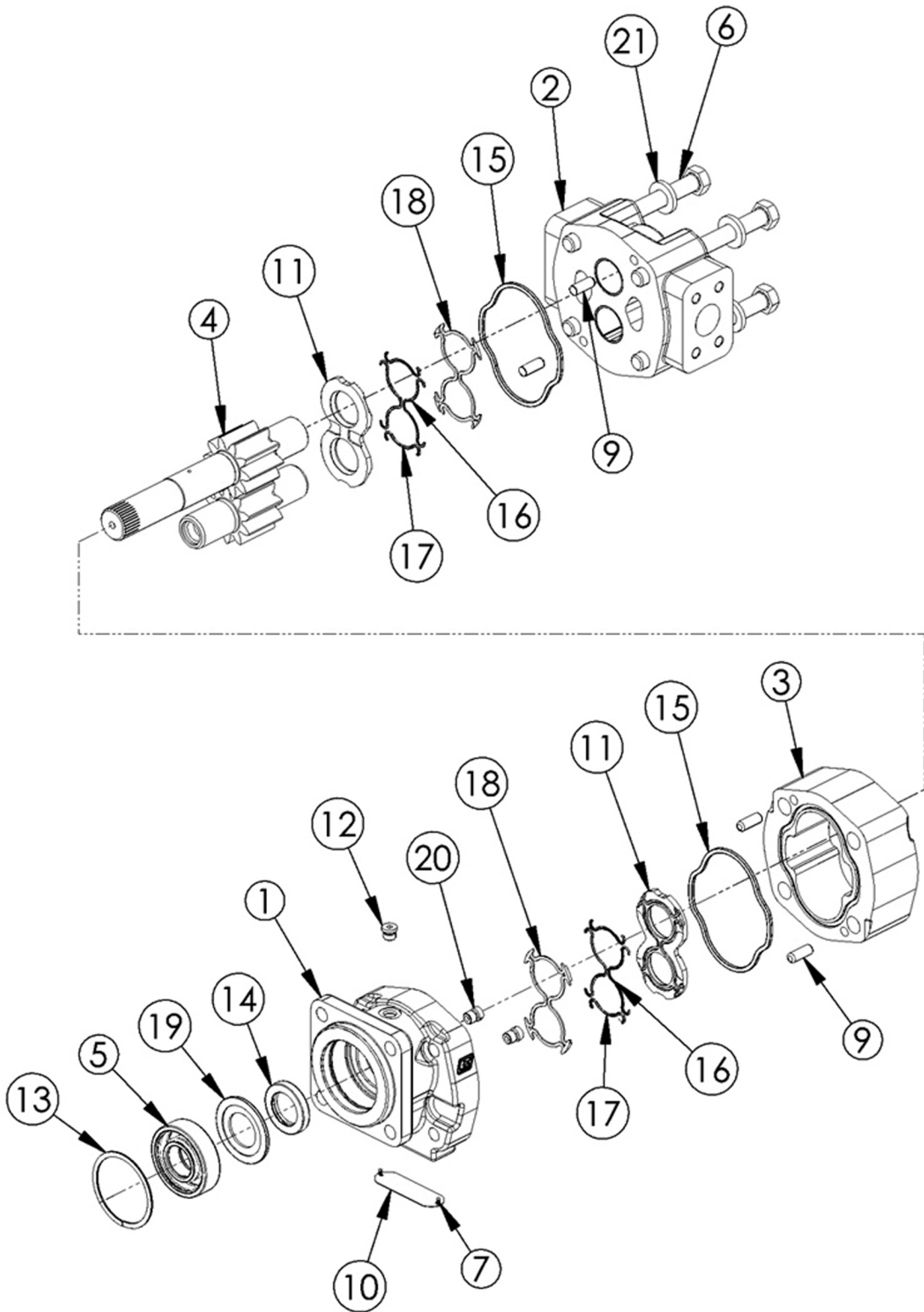
SUPER DUTY SIDE FLAIL DRIVE ASSY

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

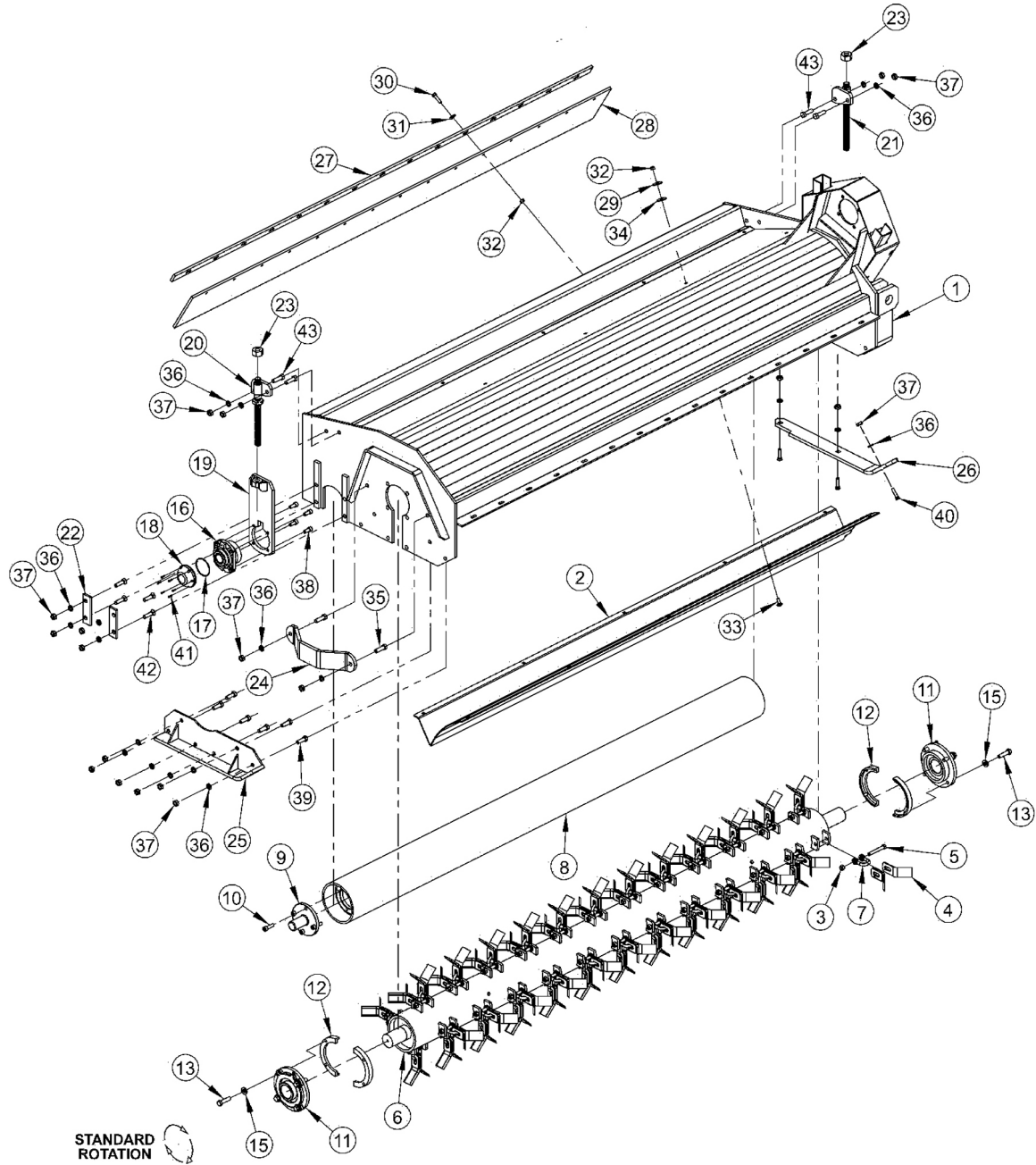
SUPER DUTY SIDE FLAIL MOTOR BREAKDOWN

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 | - | CUTSHT 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

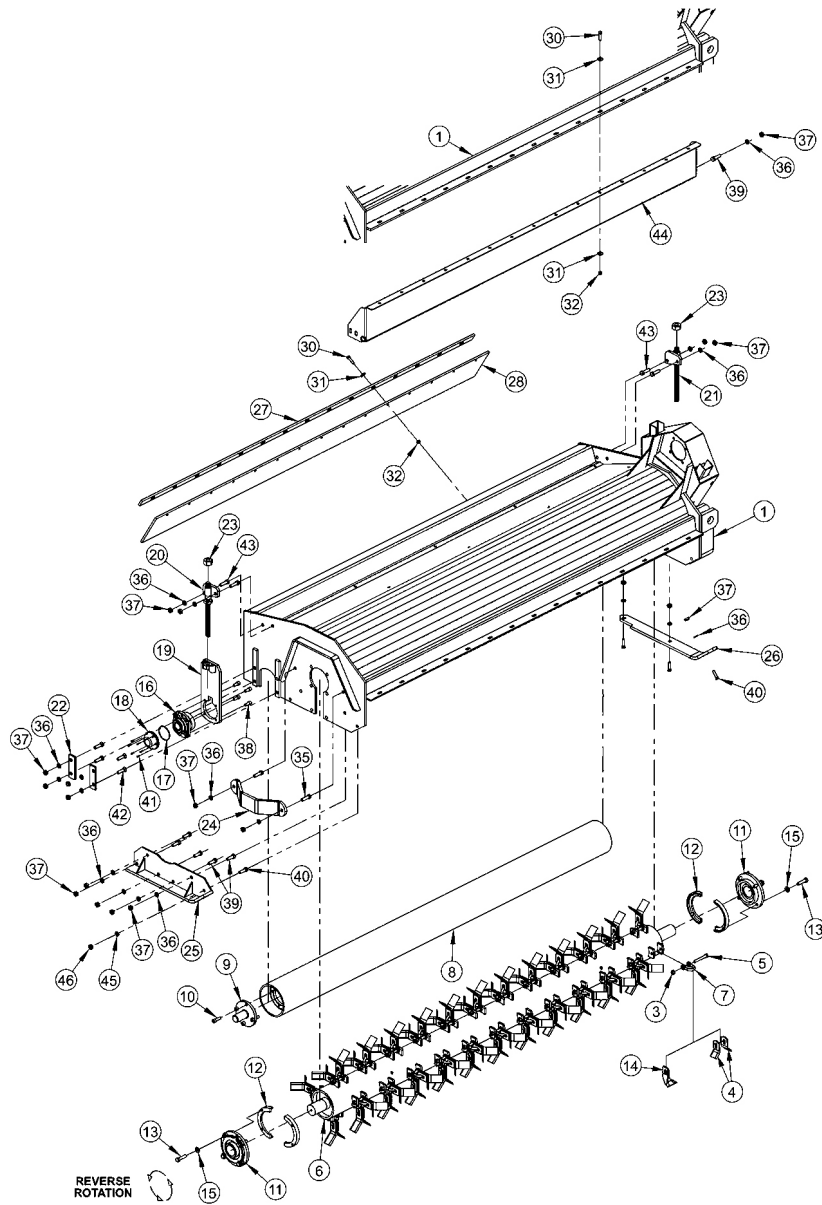
EXTREME DUTY 60IN SIDE FLAIL - STD ROT

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

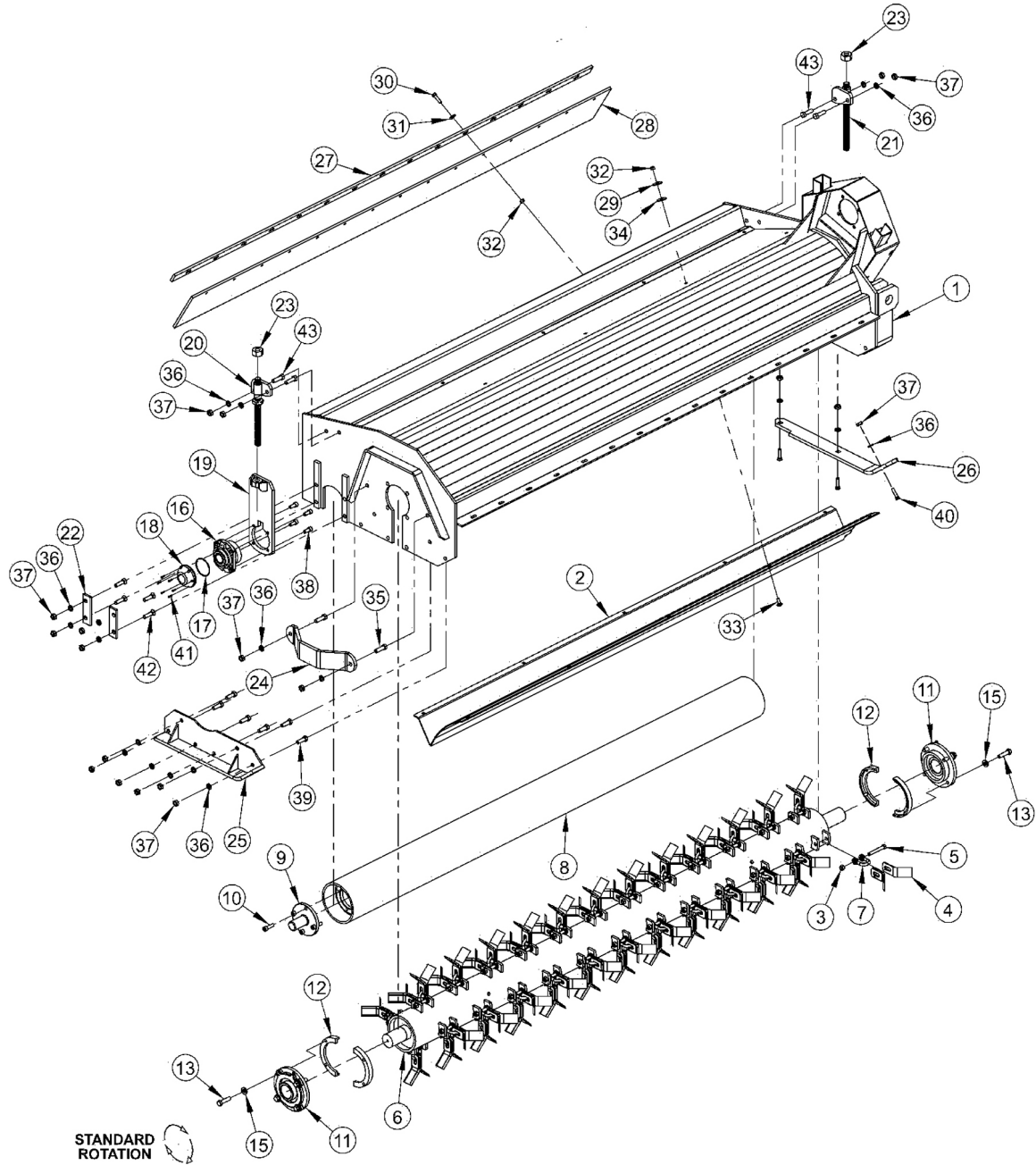
EXTREME DUTY 60IN SIDE FLAIL - REV ROT

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

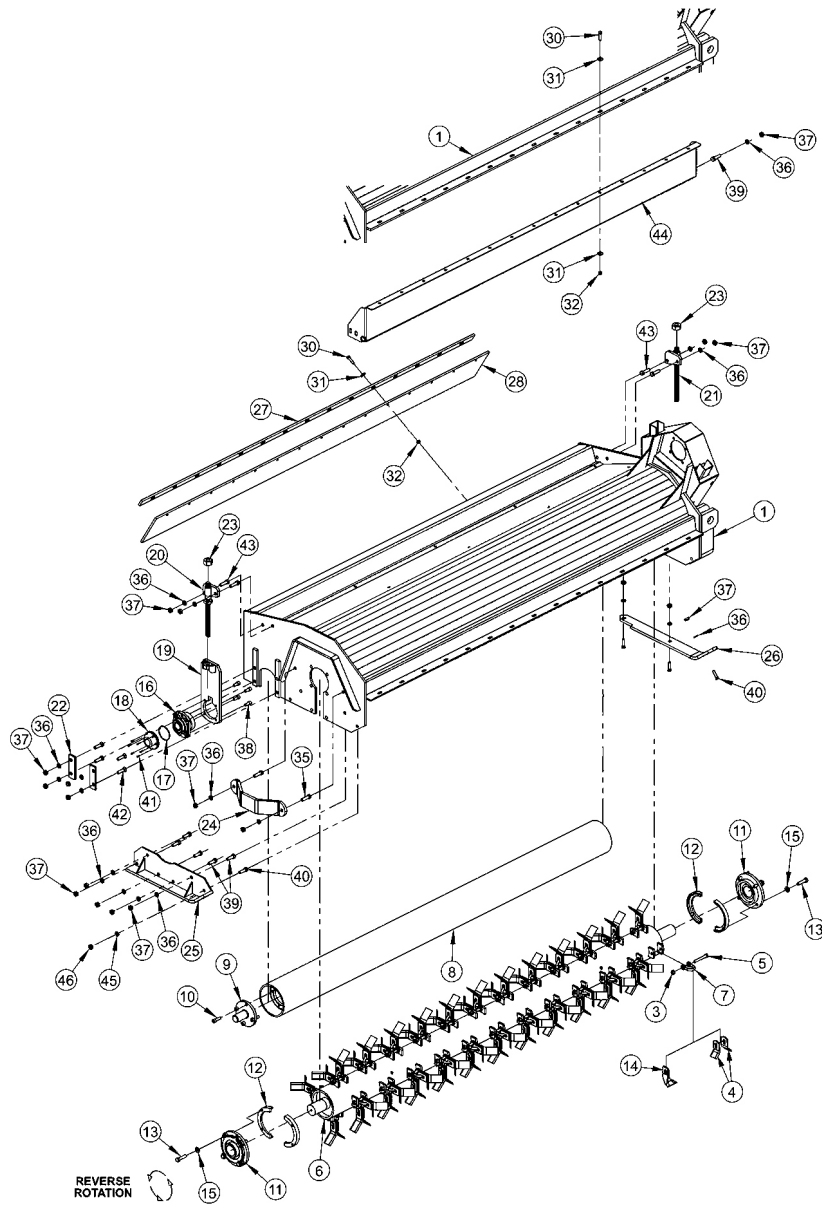
EXTREME DUTY 75IN SIDE FLAIL - STD ROT

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

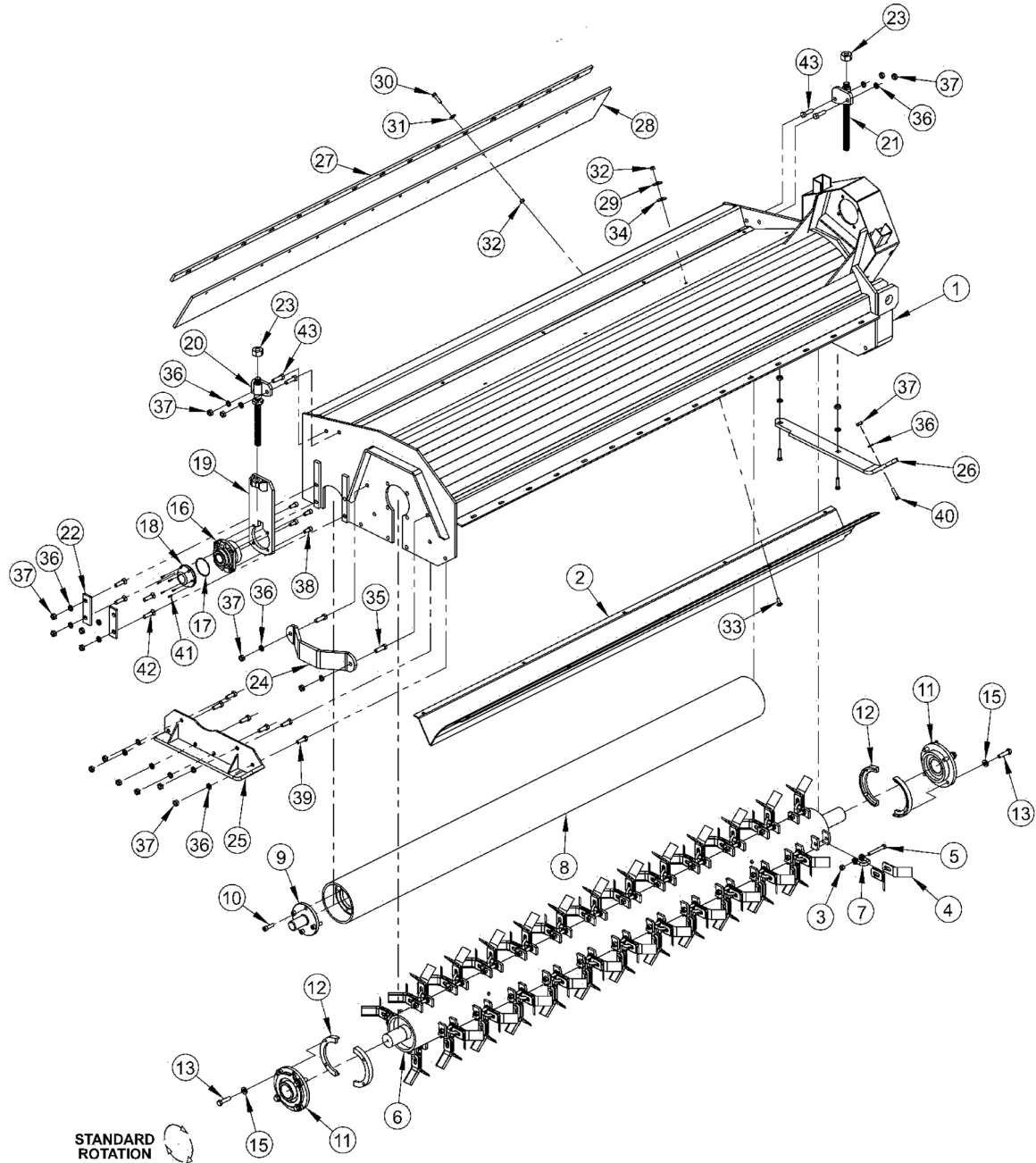
EXTREME DUTY 75IN SIDE FLAIL - REV ROT

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

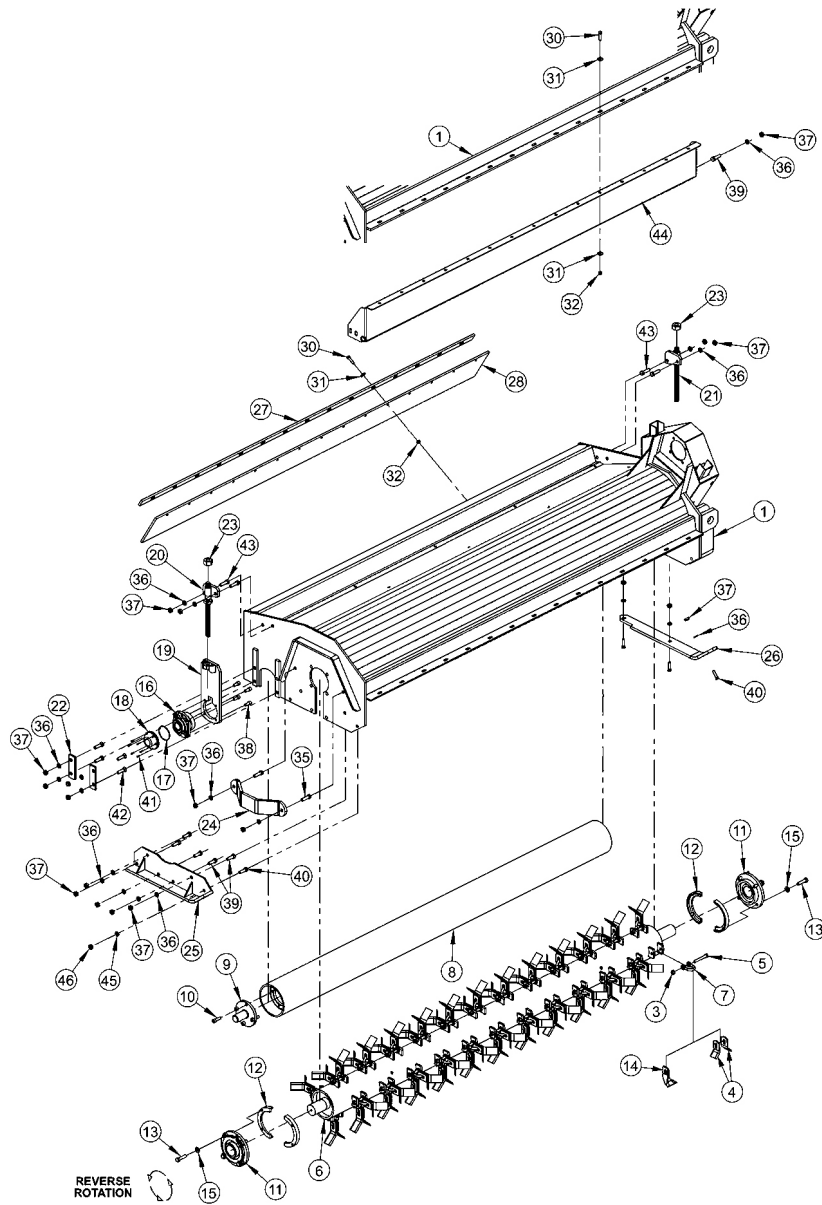
EXTREME DUTY 90IN SIDE FLAIL - STD ROT

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

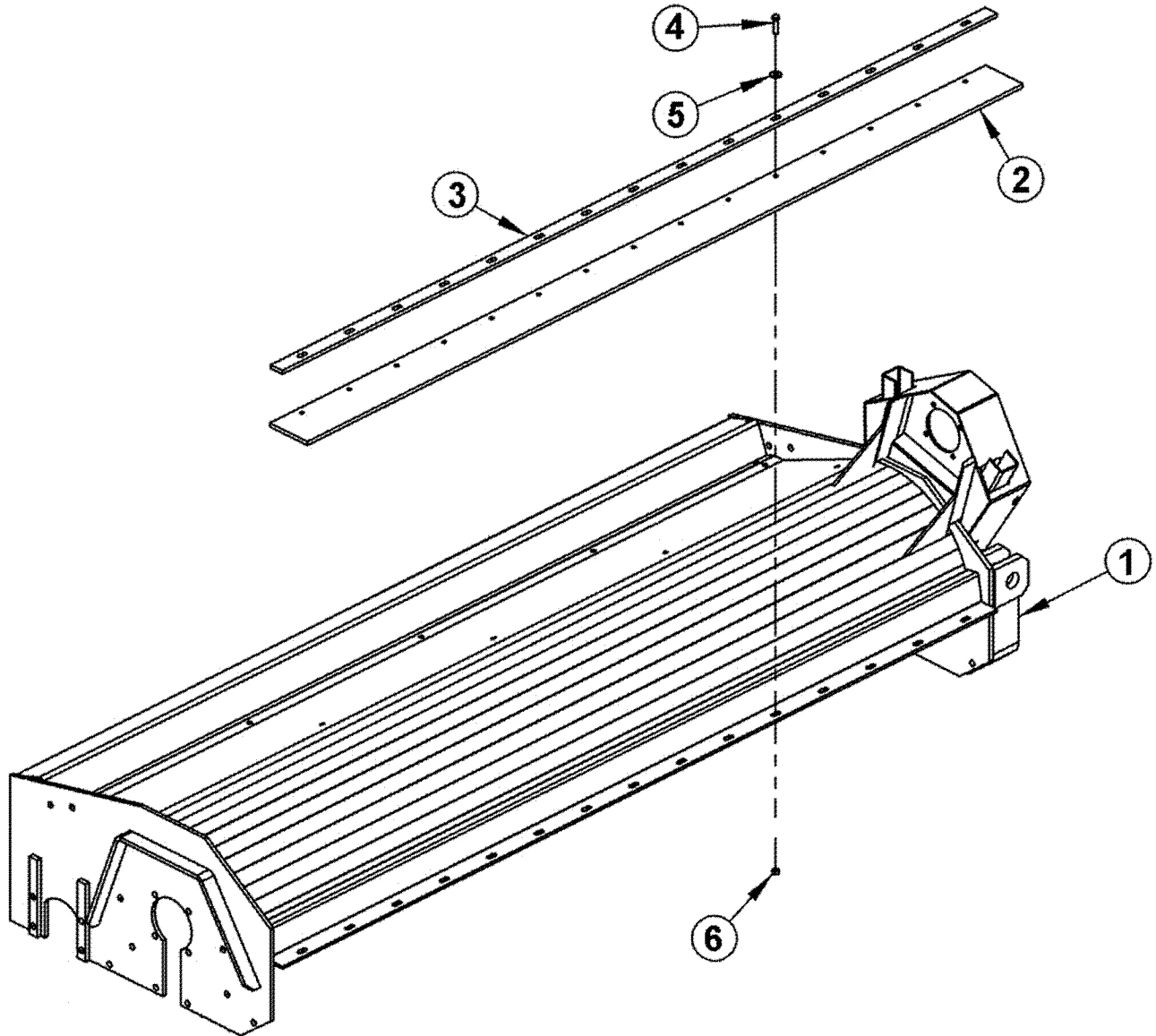
EXTREME DUTY 90IN SIDE FLAIL - REV ROT

Continued...

| 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 | 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

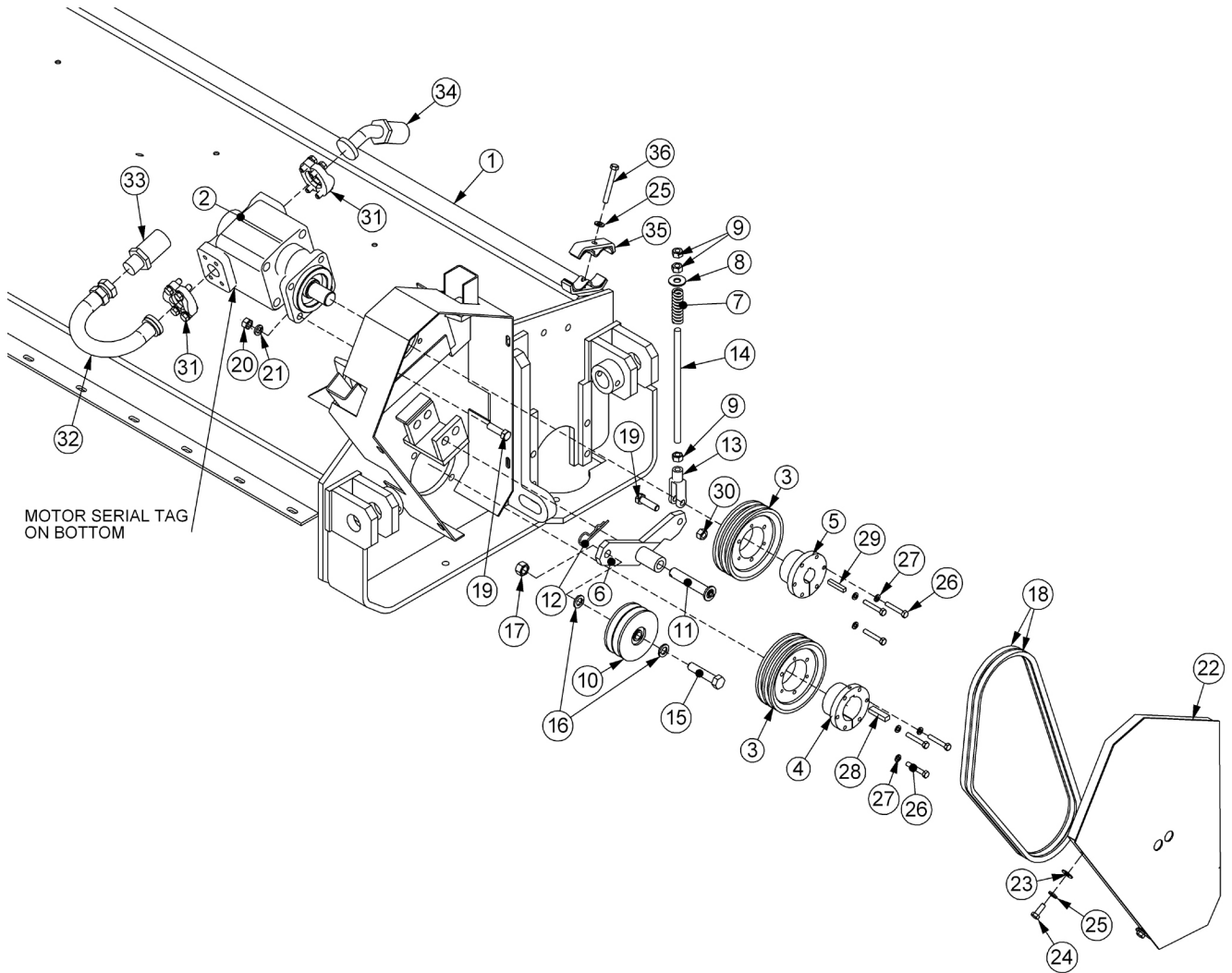
FRONT FLAPS, XD FLAIL - STANDARD ROTATION

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 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



MOTOR SERIAL TAG
ON BOTTOM

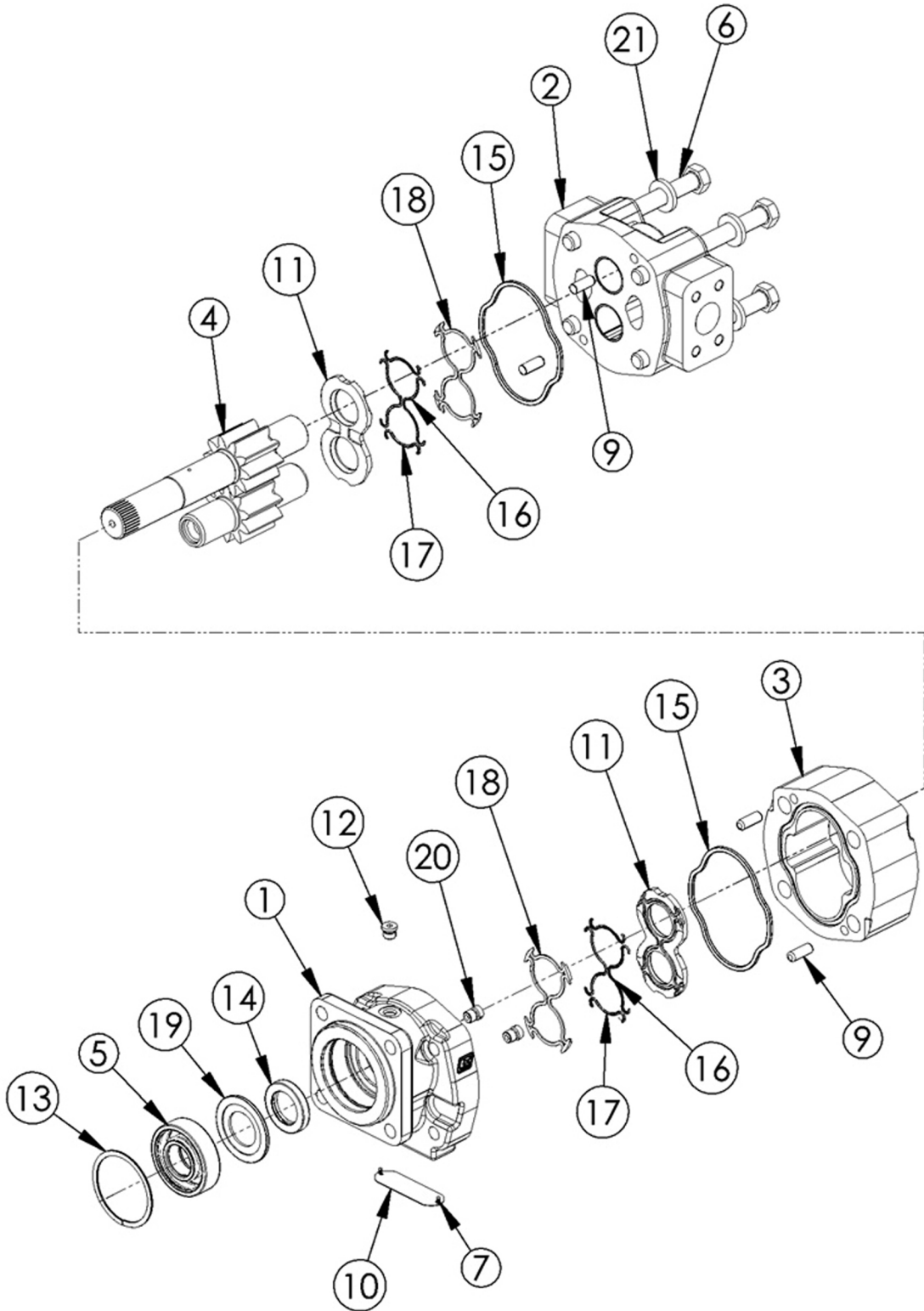
EXTREME DUTY SIDE FLAIL DRIVE ASSY

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

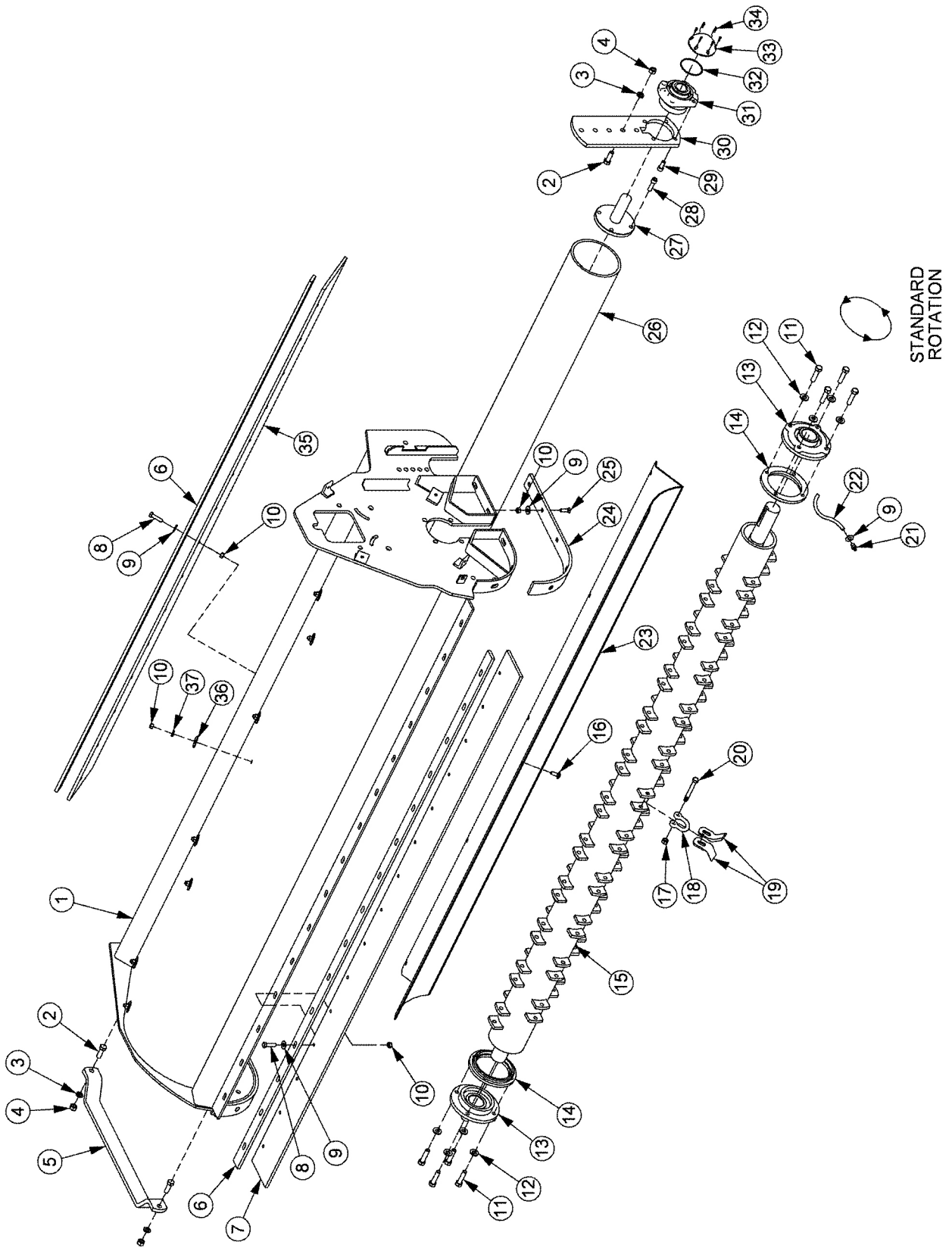
EXTREME DUTY SIDE FLAIL MOTOR BREAKDOWN

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

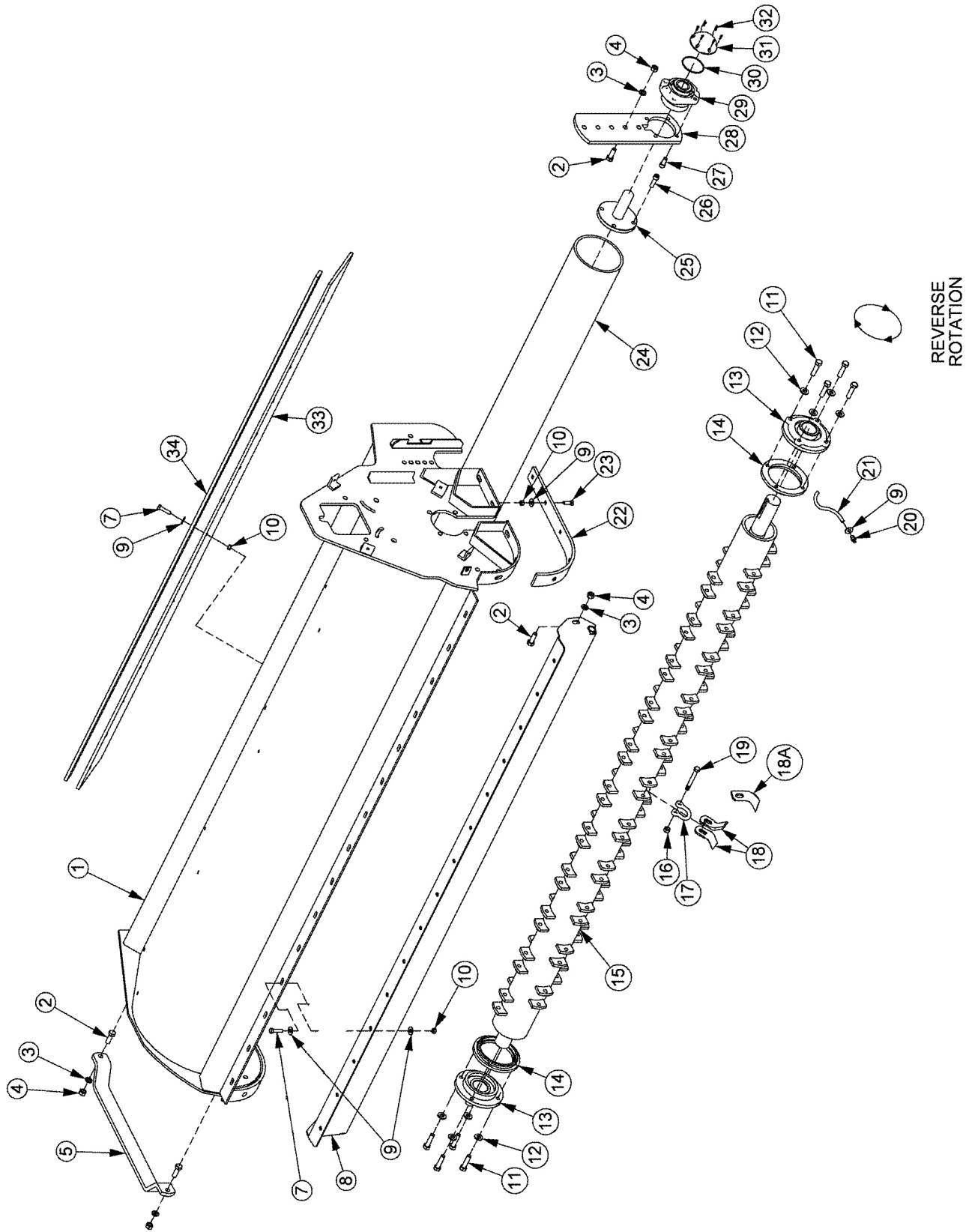
SUPER DUTY 75IN REAR FLAIL - STD ROT

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

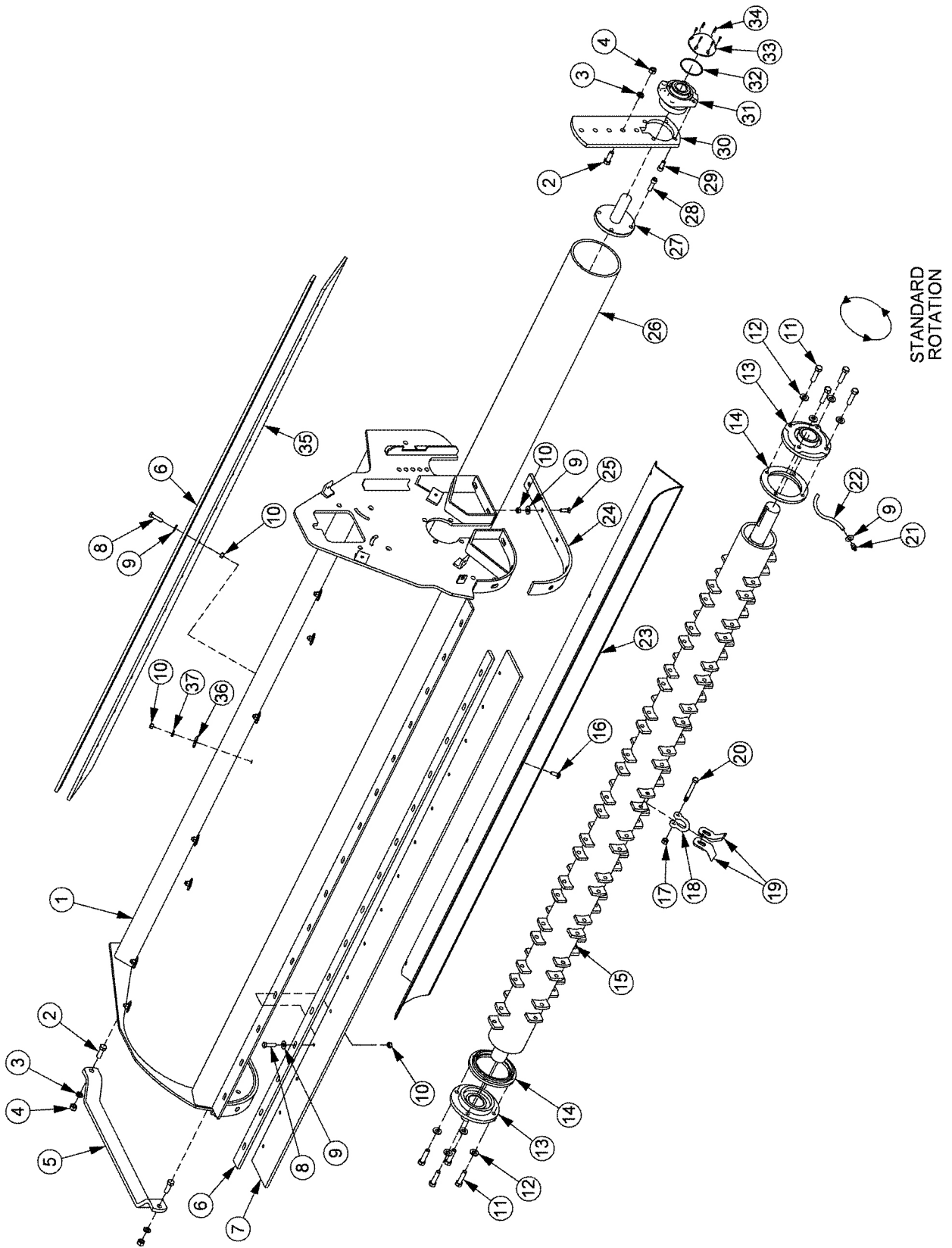
SUPER DUTY 75IN REAR FLAIL - REV ROT

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

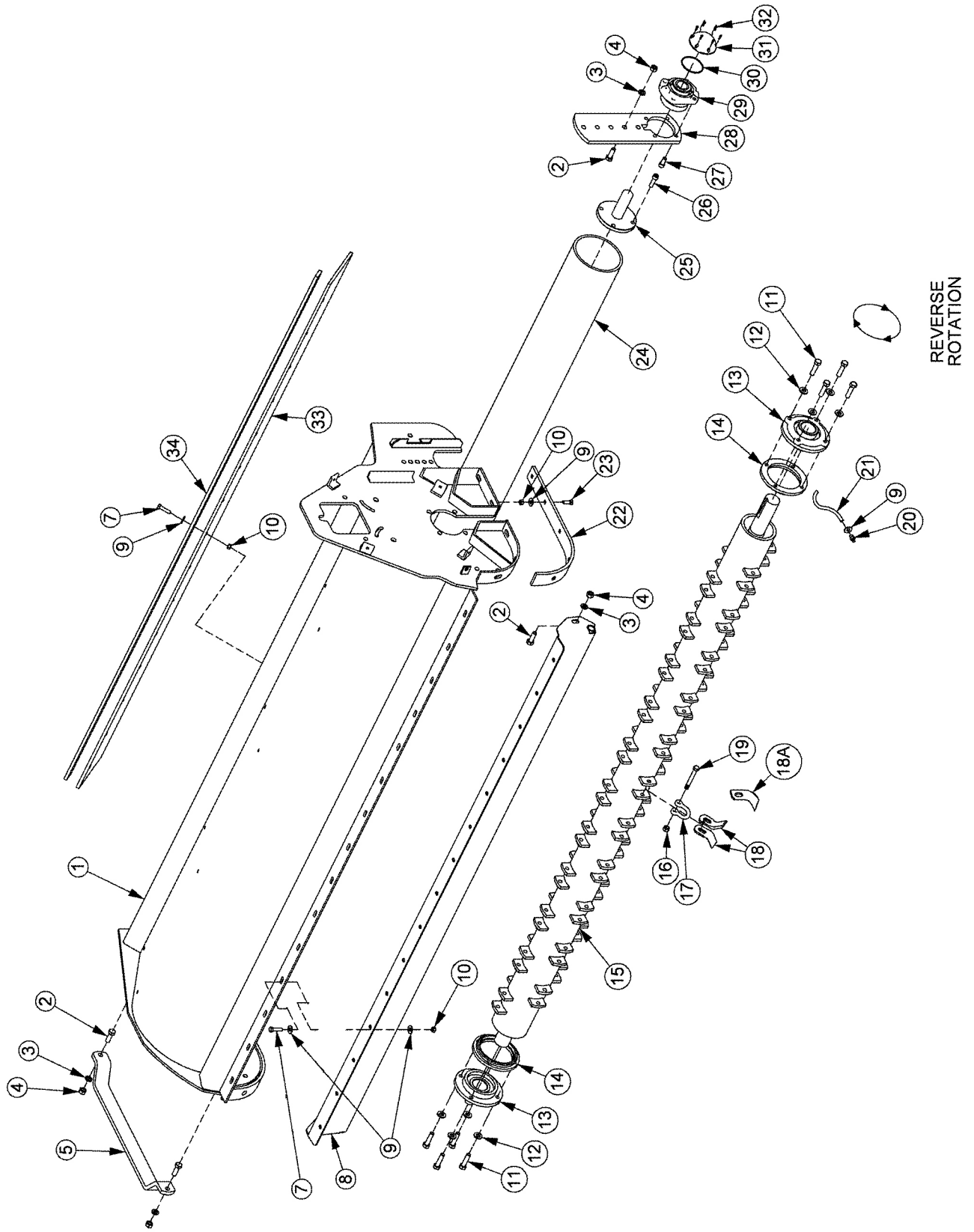
SUPER DUTY 90IN REAR FLAIL - STD ROT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| --- | 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

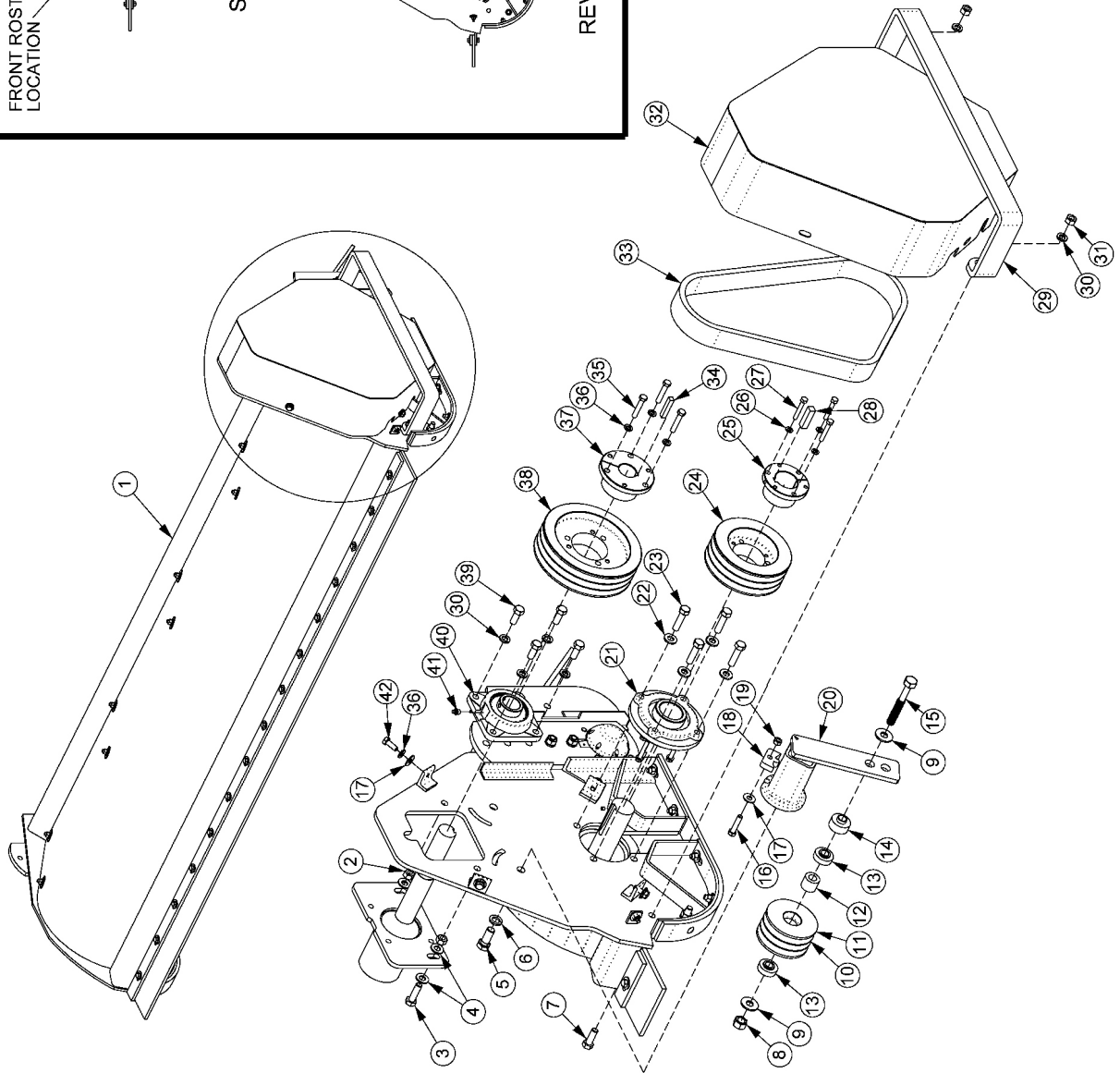
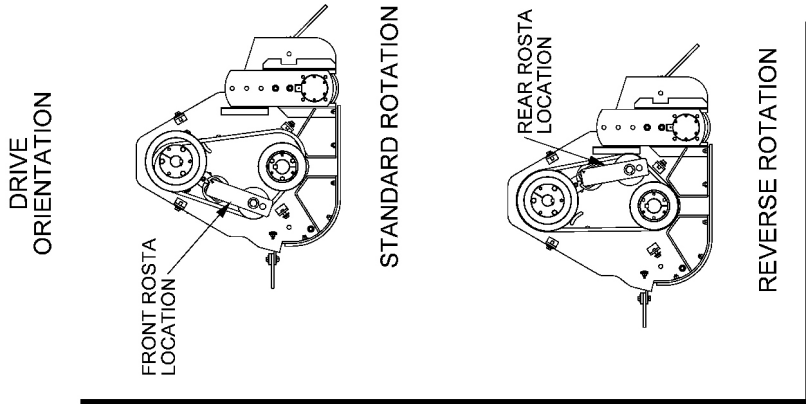
SUPER DUTY 90IN REAR FLAIL - REV ROT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|---|
| --- | 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

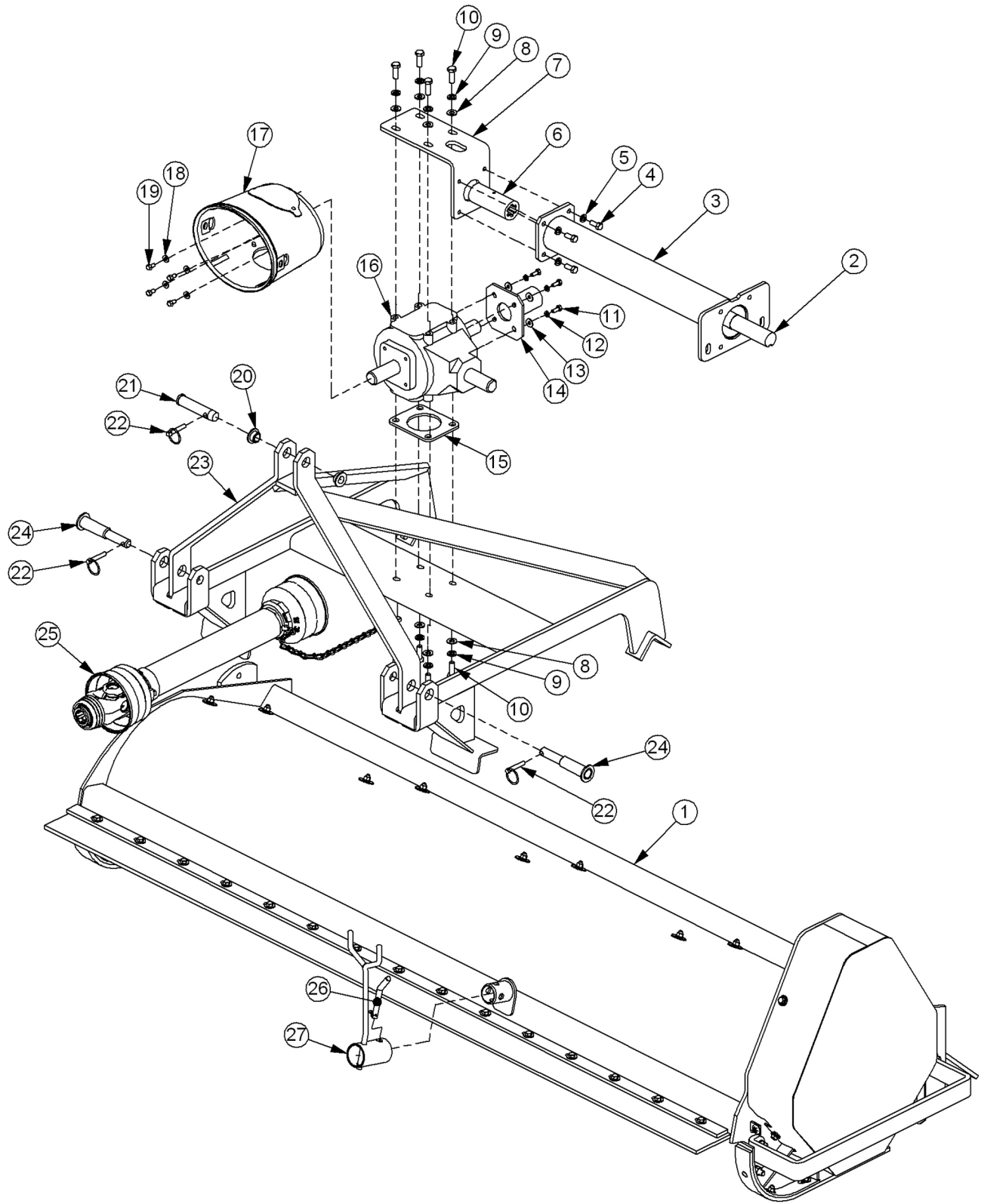
SUPER DUTY REAR FLAIL DRIVE ASSY

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

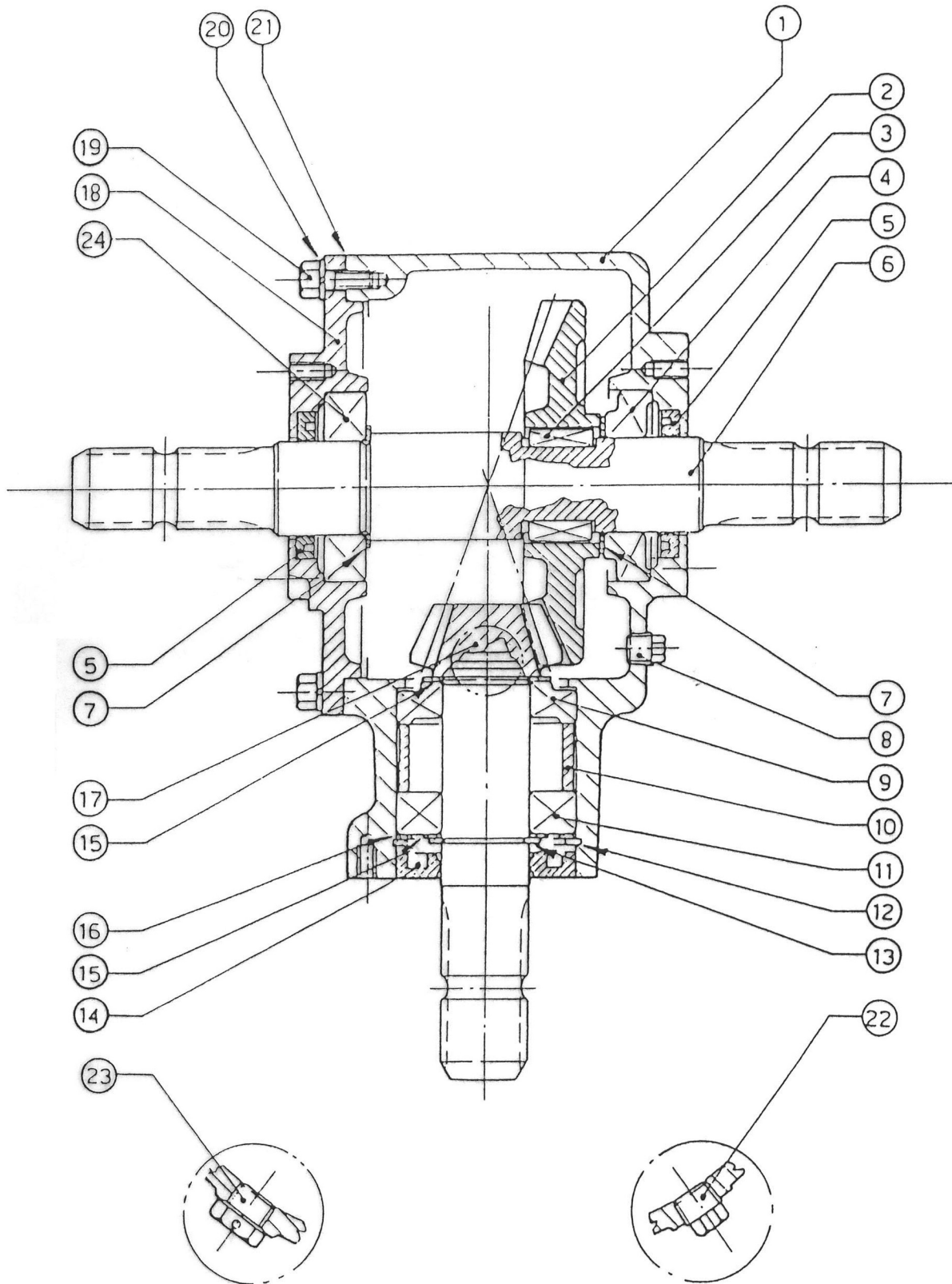
SUPER DUTY PTO DRIVE ASSY

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

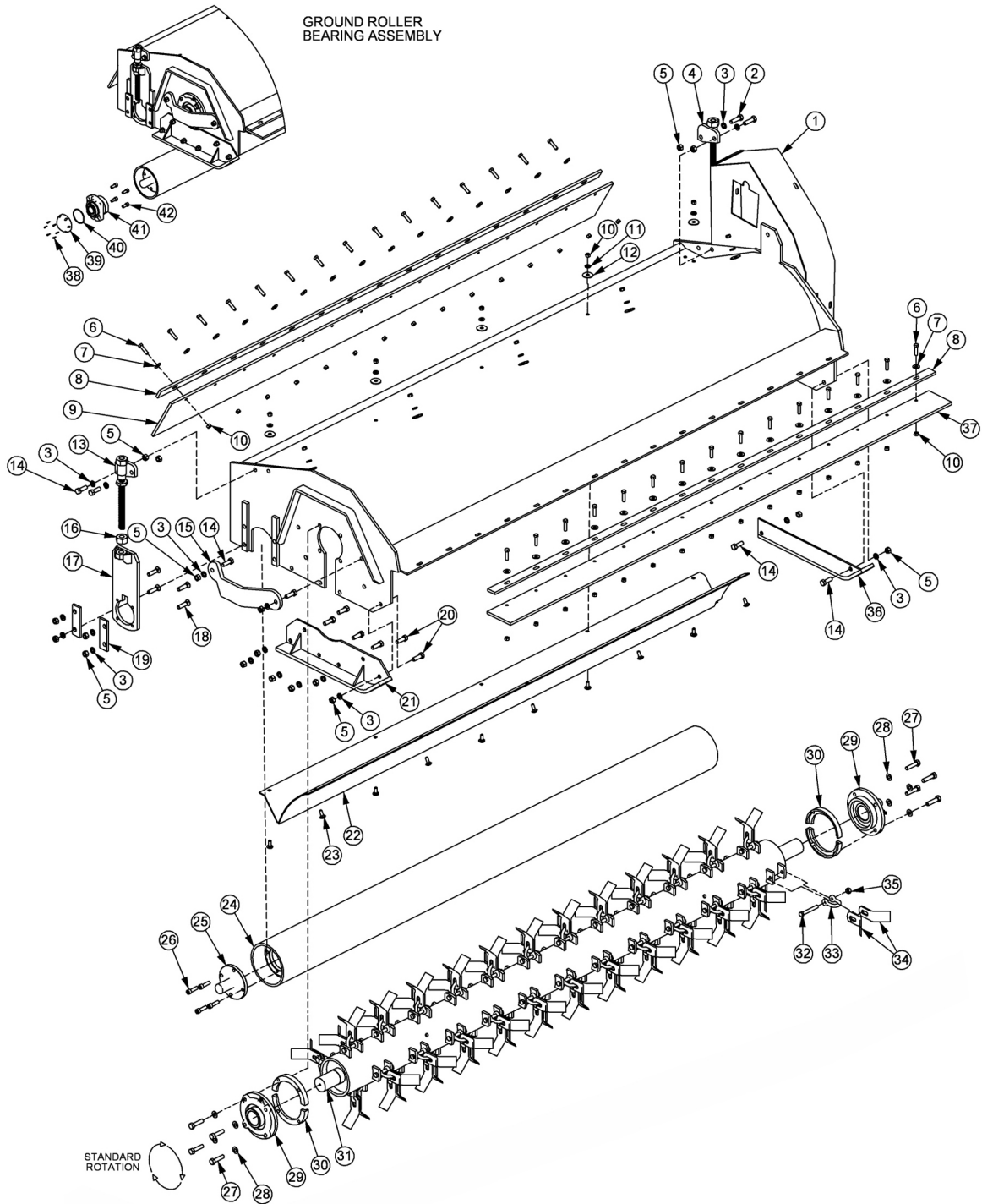
SUPER DUTY REAR GEAR BOX ASSY

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

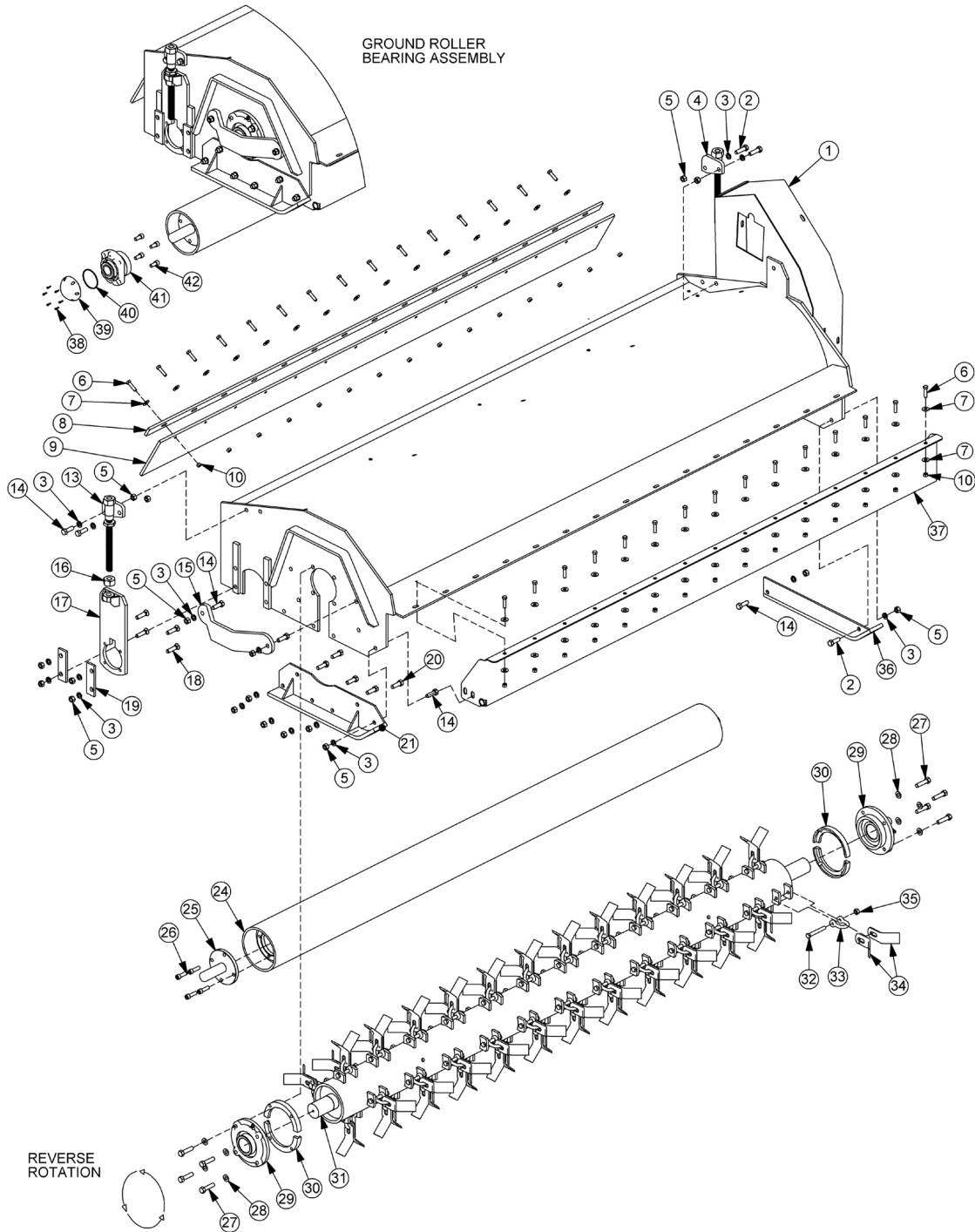
EXTREME DUTY 75IN REAR FLAIL - STD ROT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|--------------------------------------|
| 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,CUTTERSCHAFT |
| 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 | - | CUTTERSCHAFT ASSY,75IN |
| 31 | TF1002 | 1 | CUTTERSCHAFT,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

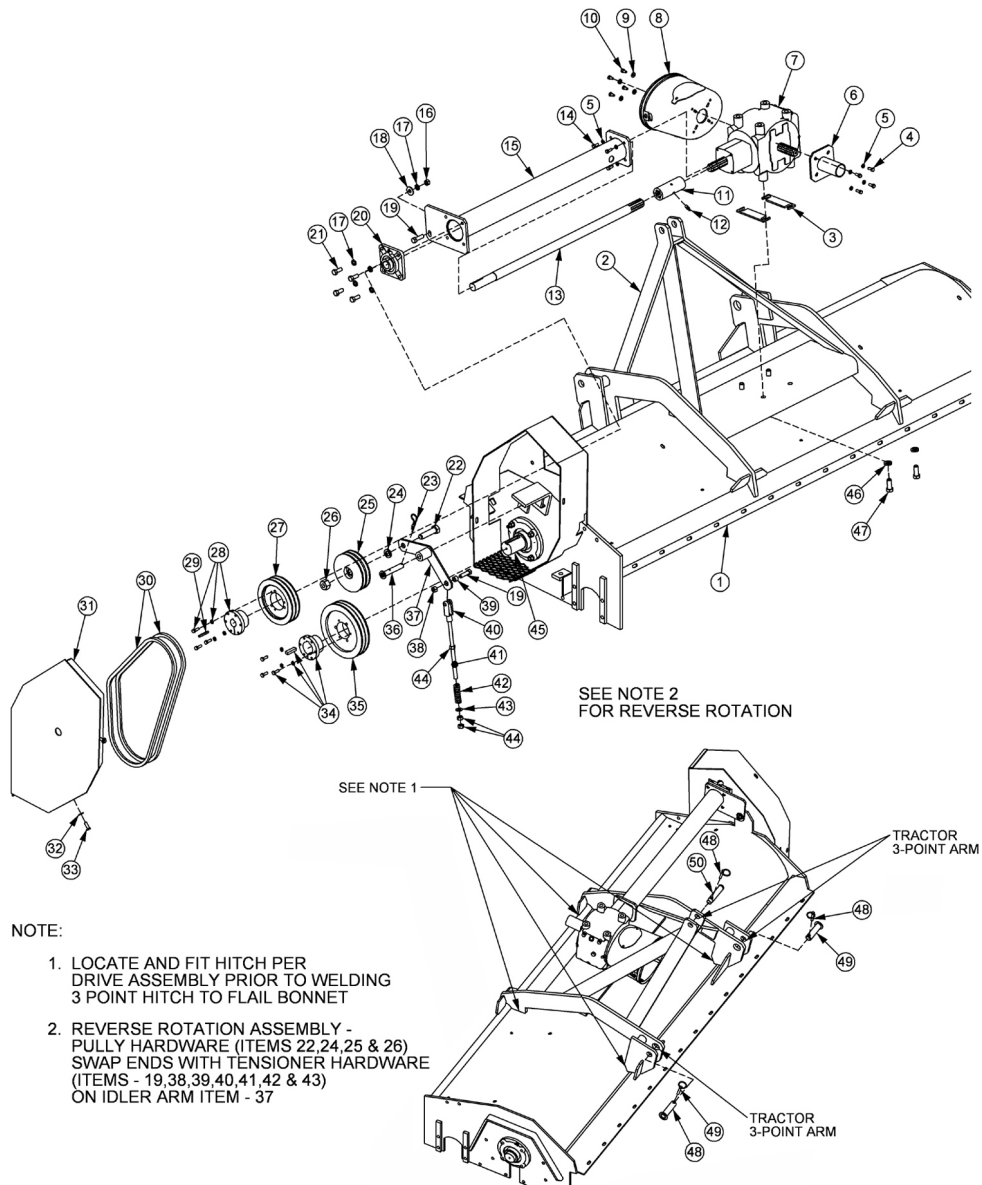
EXTREME DUTY 75IN REAR FLAIL - REV ROT

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

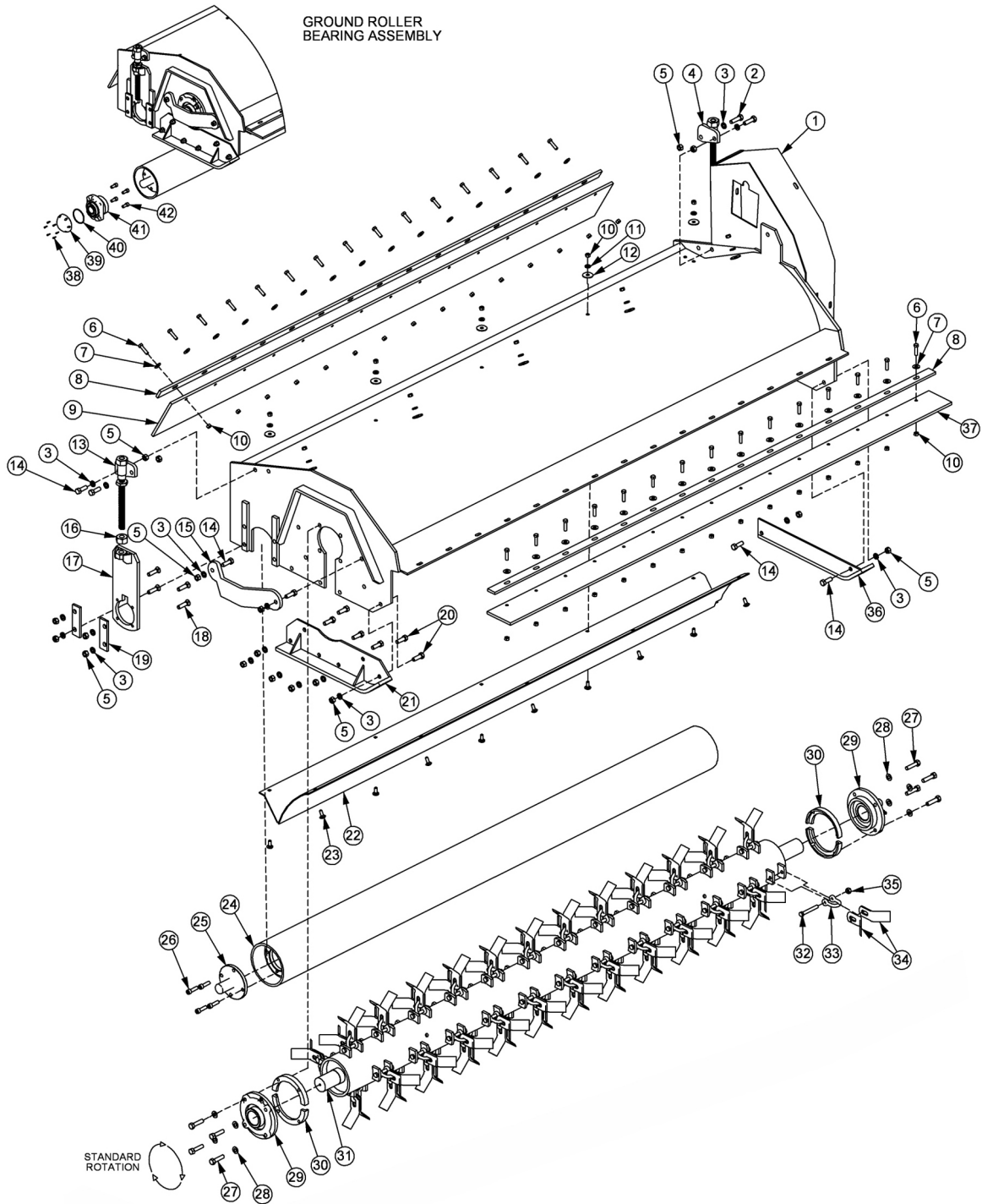
EXTREME DUTY 75IN REAR FLAIL DRIVE ASSY

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

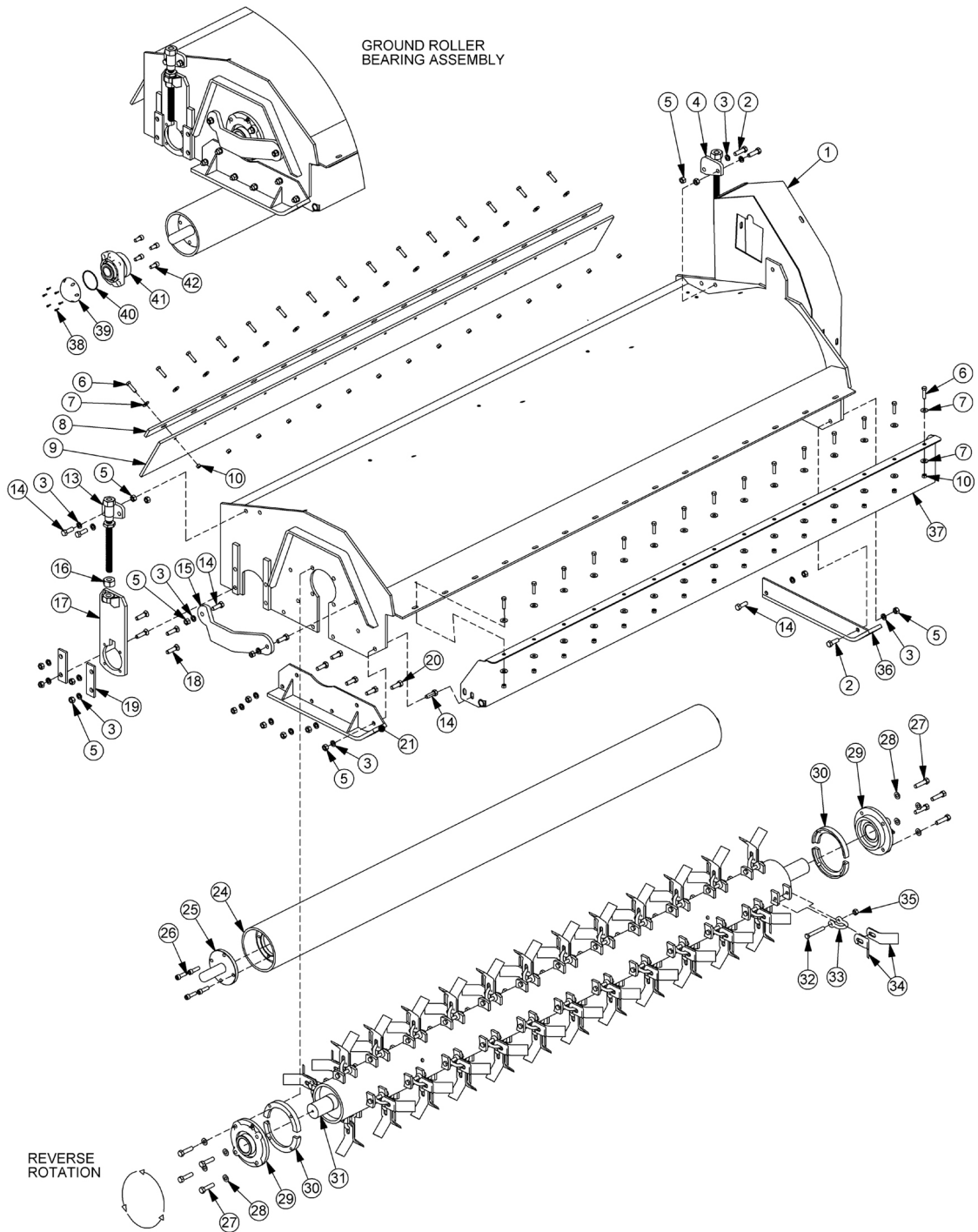
EXTREME DUTY 90IN REAR FLAIL - STD ROT

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,CUTTERSCHAFT |
| 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 | - | CUTTERSCHAFT ASSY,90IN |
| 31 | TF1102 | 1 | CUTTERSCHAFT,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

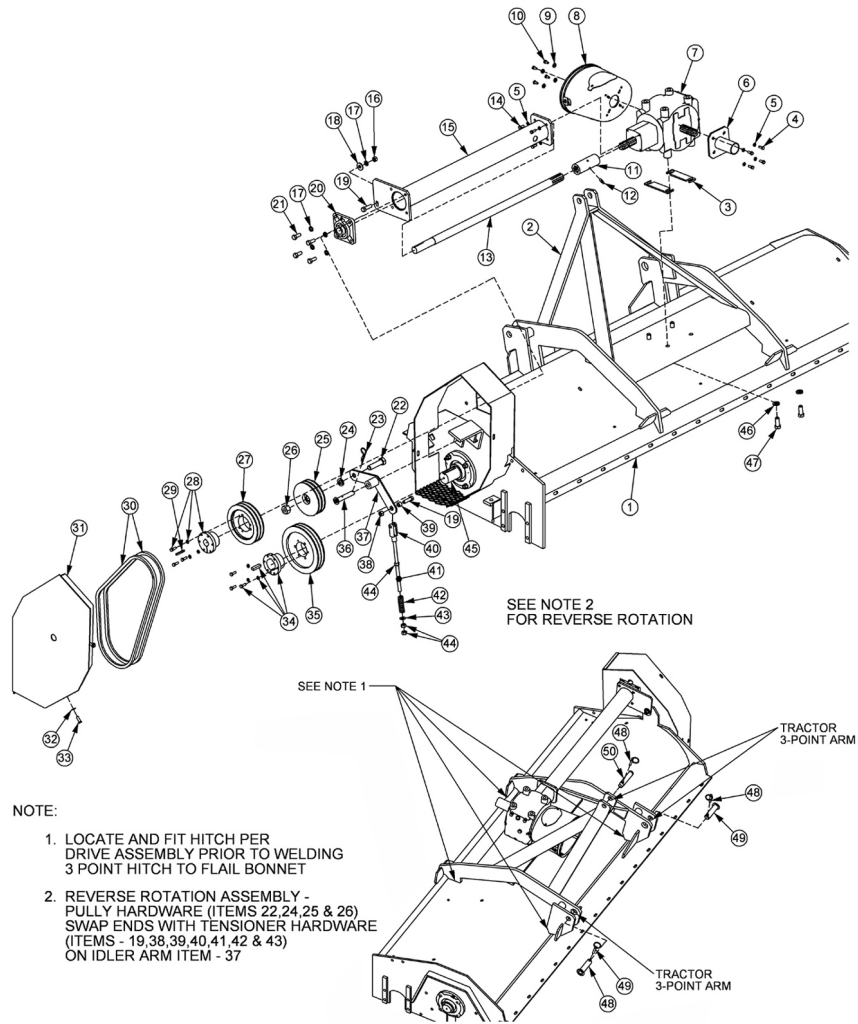
EXTREME DUTY 90IN REAR FLAIL - REV ROT

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

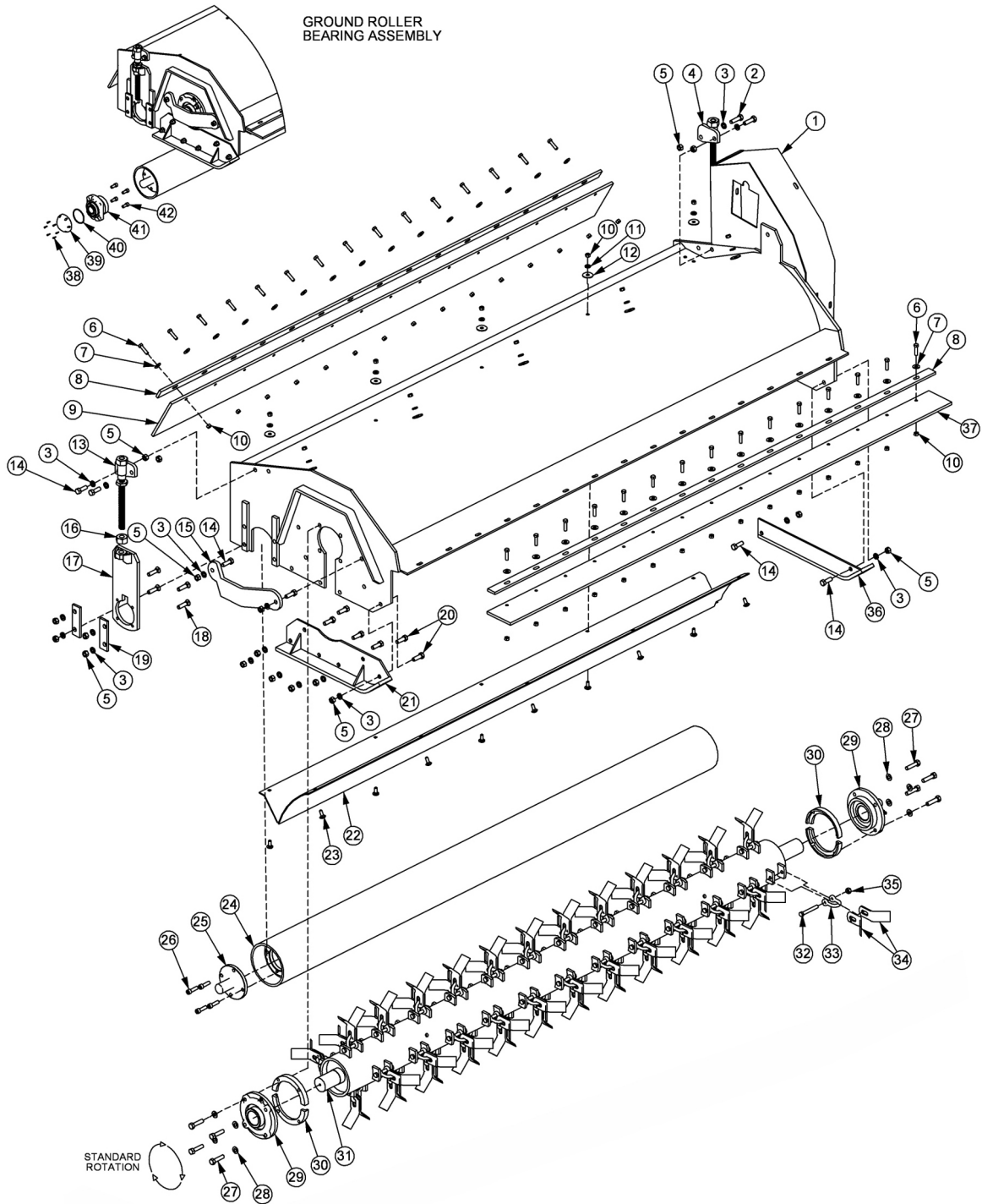
EXTREME DUTY 90IN REAR FLAIL DRIVE ASSY

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

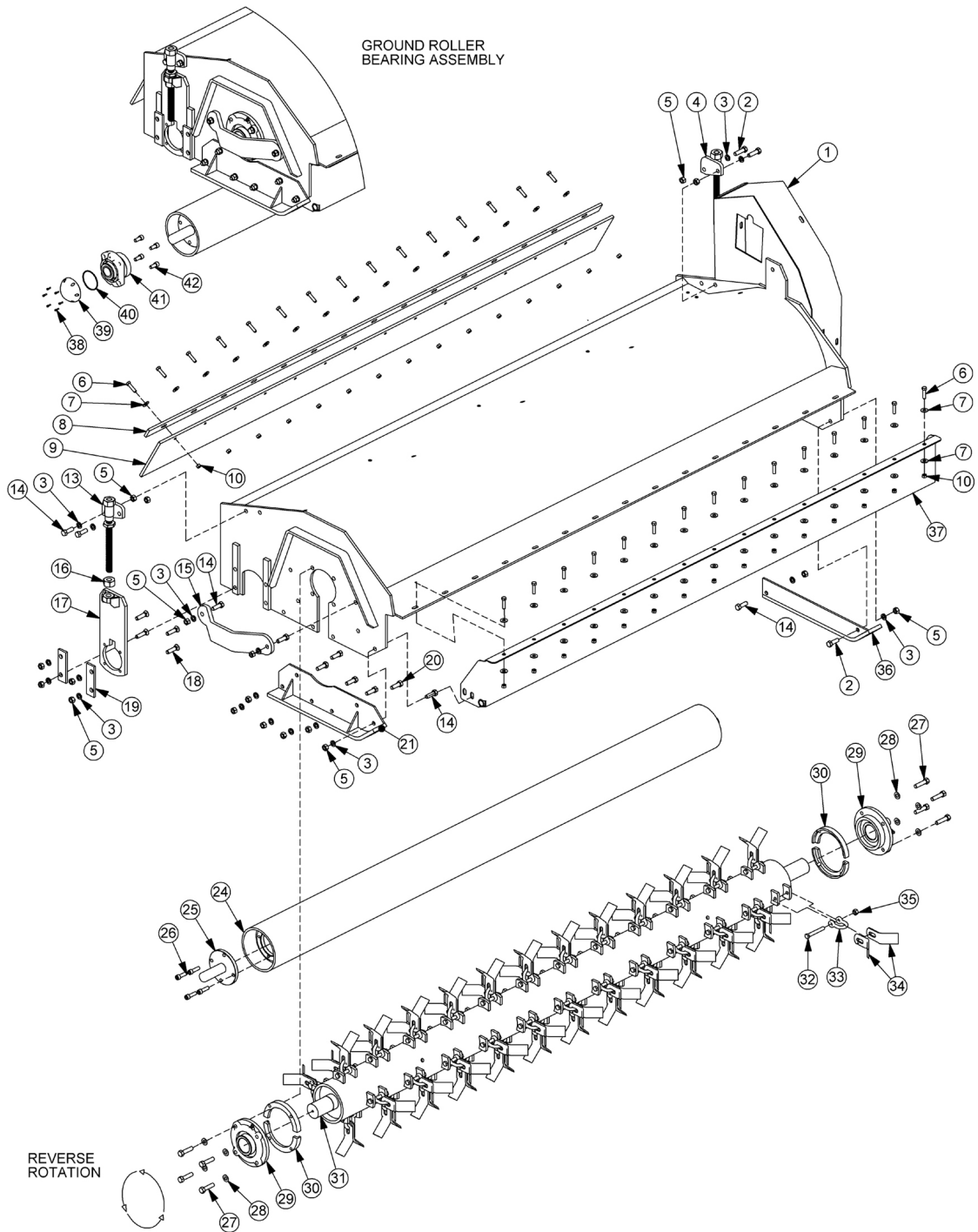
EXTREME DUTY 96IN REAR FLAIL - STD ROT

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,CUTTERSCHAFT |
| 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 | - | CUTTERSCHAFT ASSY,96IN |
| 31 | TF1602B | 1 | CUTTERSCHAFT,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

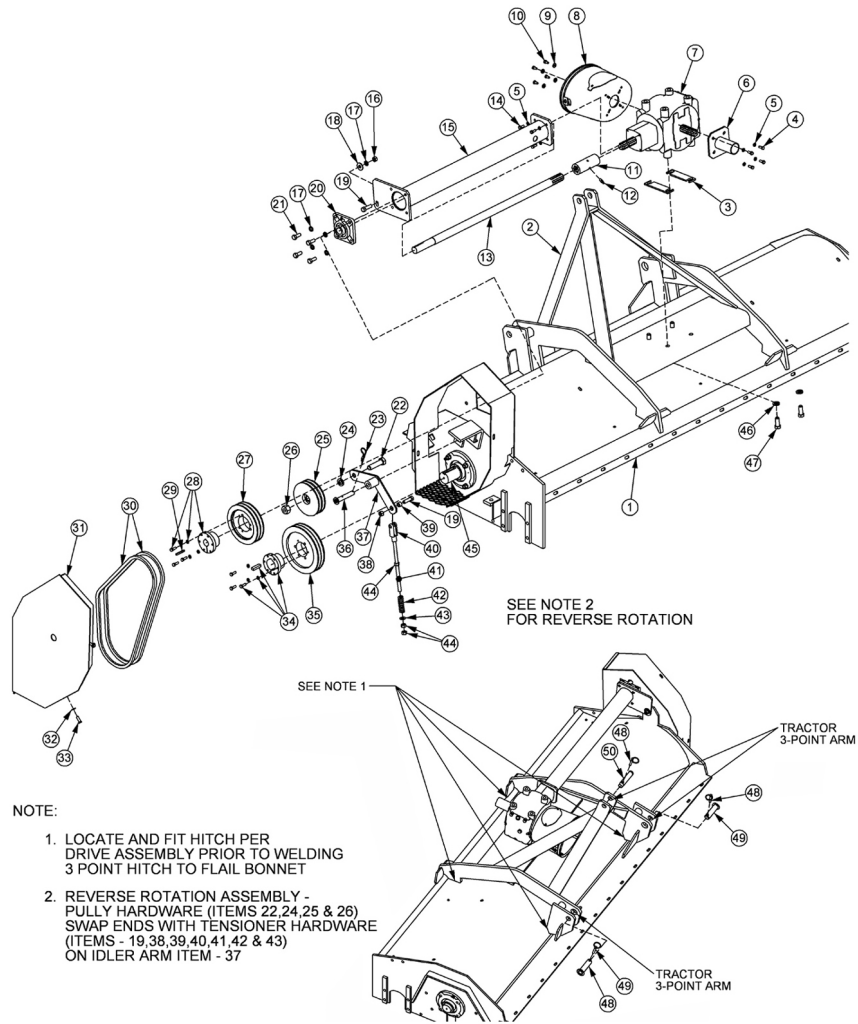
EXTREME DUTY 96IN REAR FLAIL - REV ROT

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

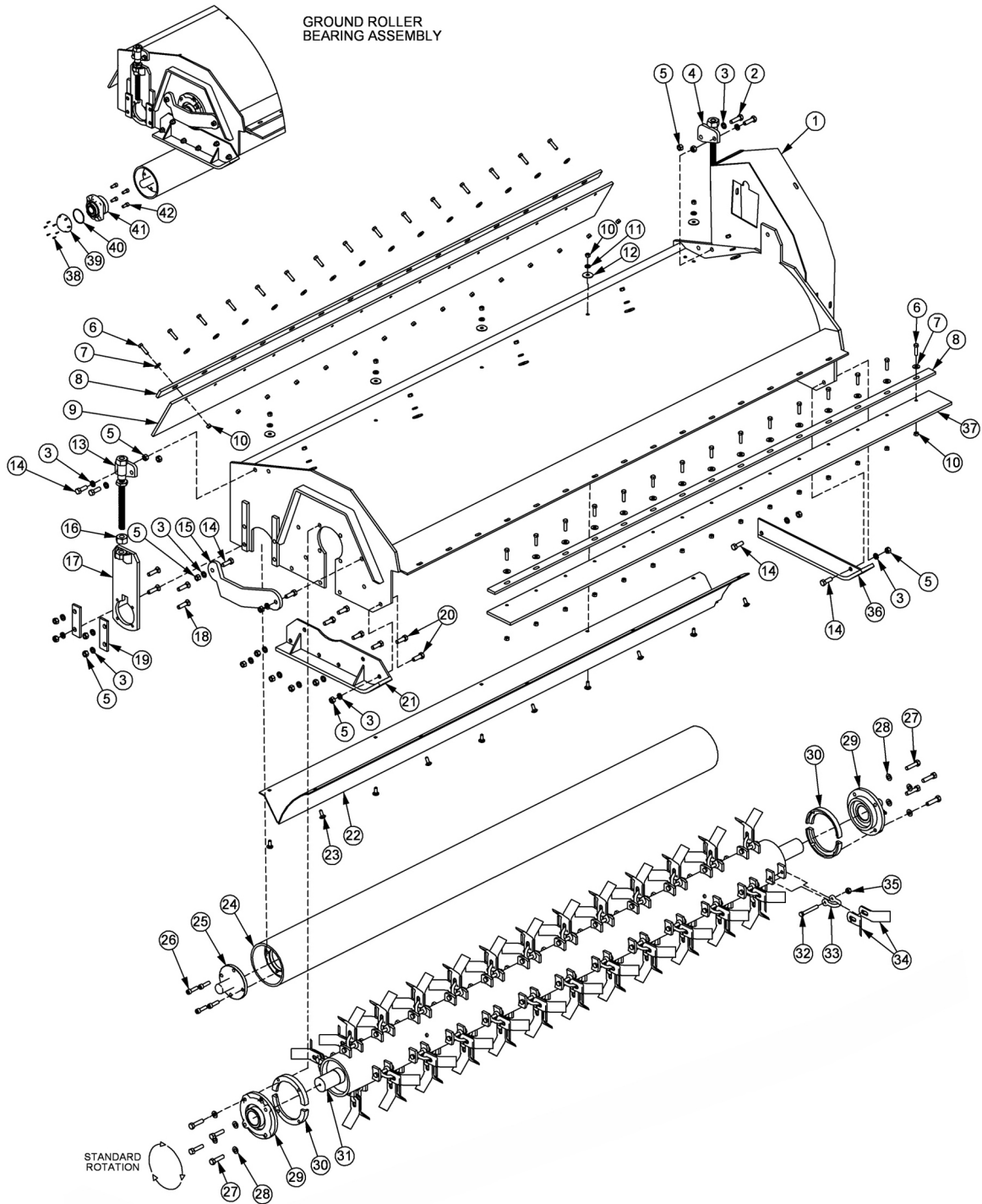
EXTREME DUTY 96IN REAR FLAIL DRIVE ASSY

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

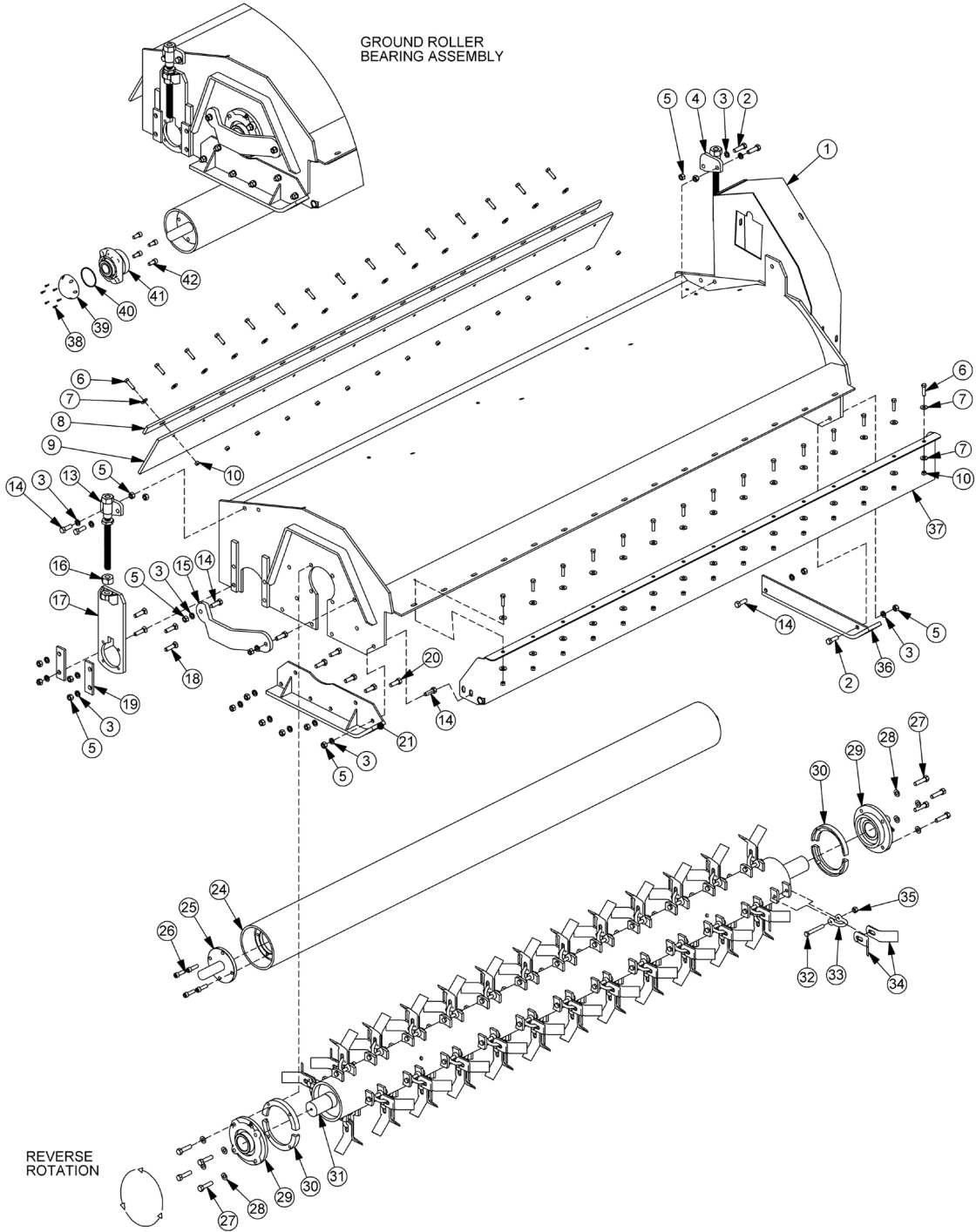
EXTREME DUTY 102IN REAR FLAIL - STD ROT

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

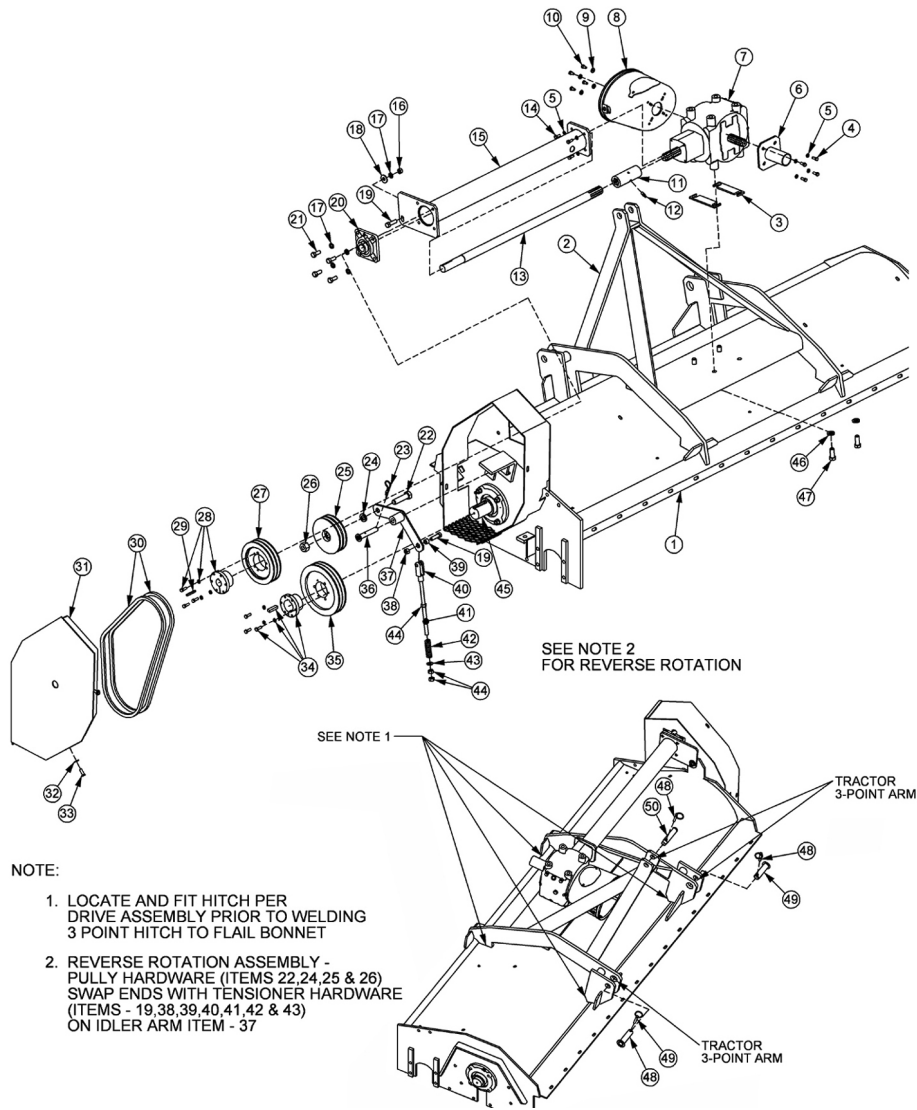
EXTREME DUTY 102IN REAR FLAIL - REV ROT

Continued...

| 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 | 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

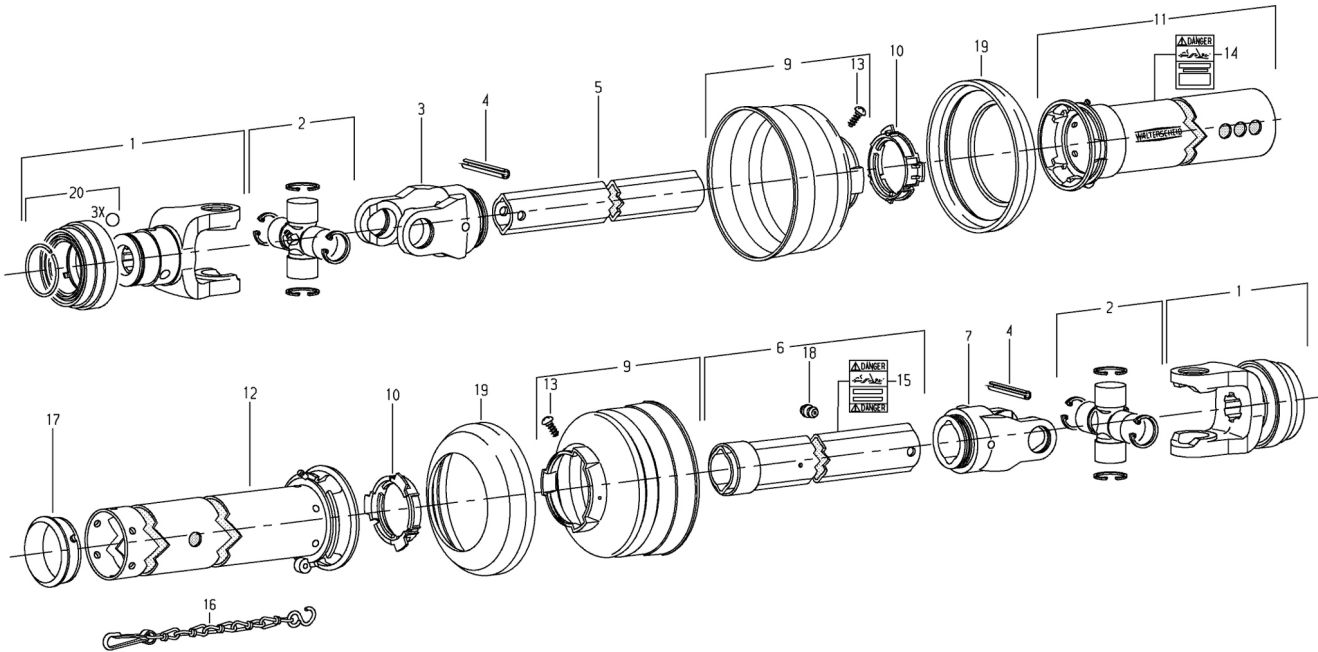
EXTREME DUTY REAR GEAR BOX ASSY

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

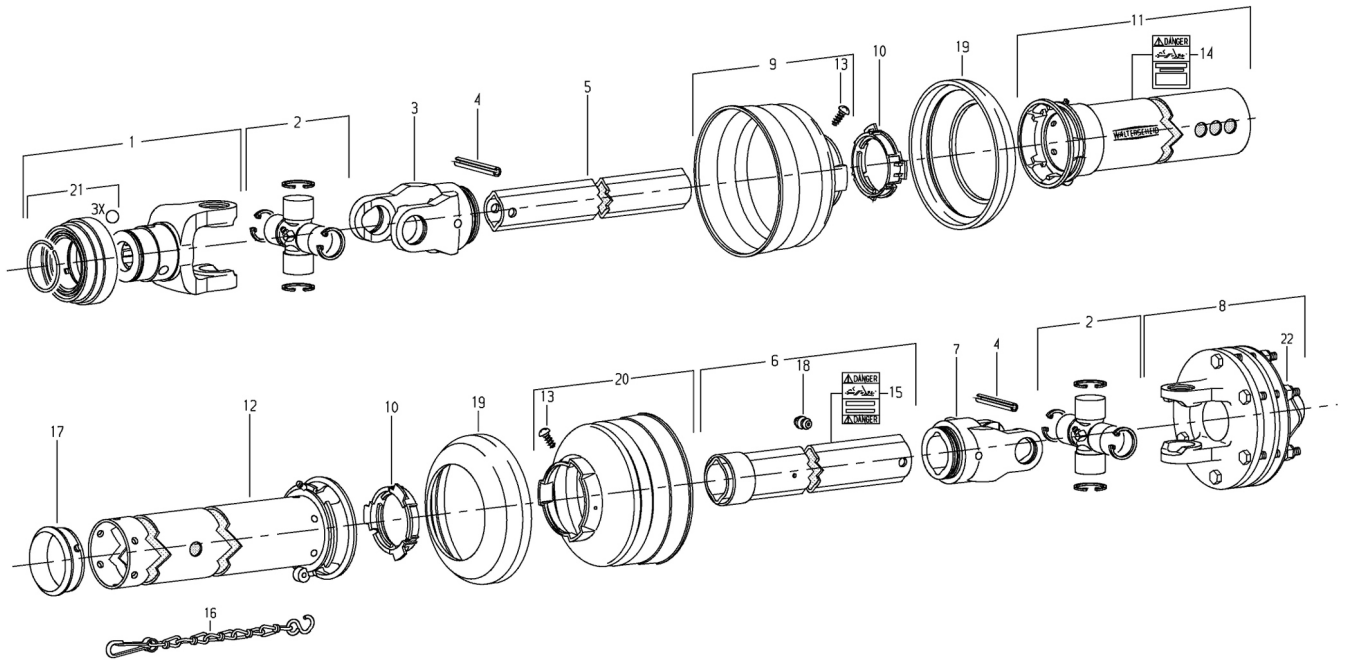
PTO SHAFT ASSEMBLY



| 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

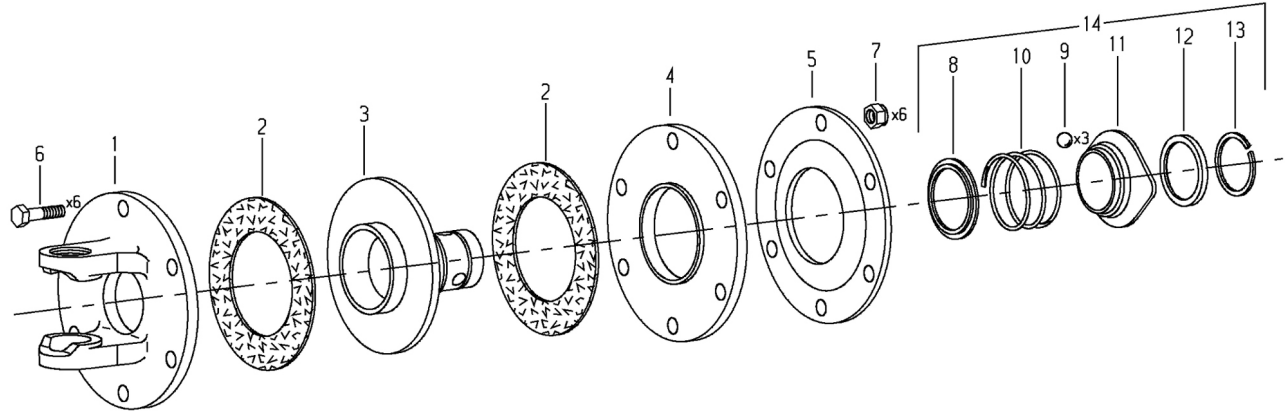
PTO SHAFT ASSEMBLY WITH CLUTCH



| 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

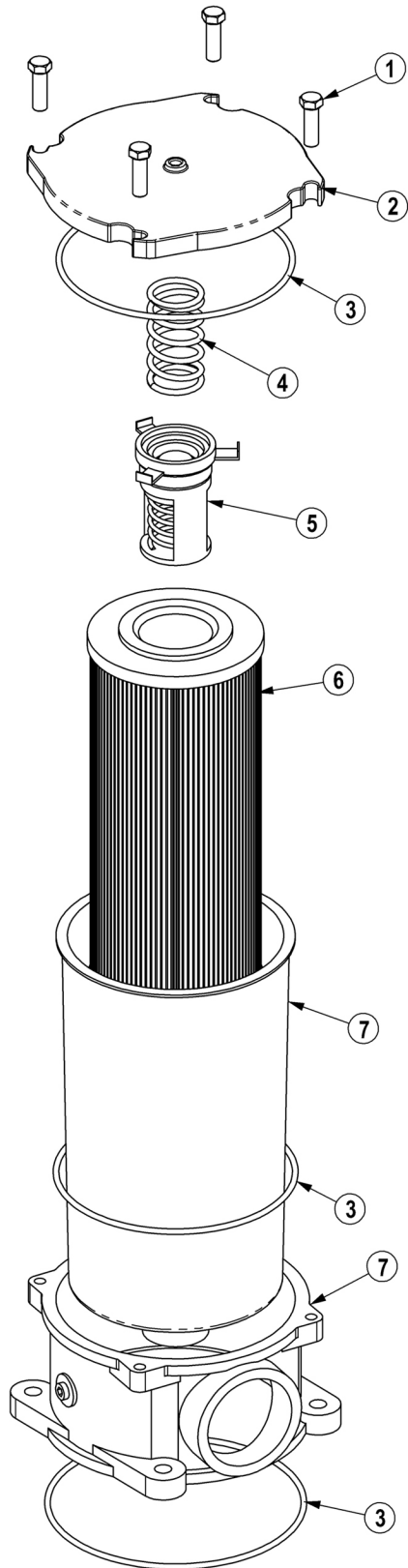


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|------------|------|----------------------|
| --- | 00775365 | - | CLUTCH ASSY |
| 1 | ----- | 1 | FLANGE YOKE |
| 2 | ----- | 2 | FRICION DISC |
| 3 | ----- | 1 | HUB |
| 4 | ----- | 1 | THRUST PLATE |
| 5 | ----- | 1 | BELLE VILLE SPRING |
| 6 | ----- | 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

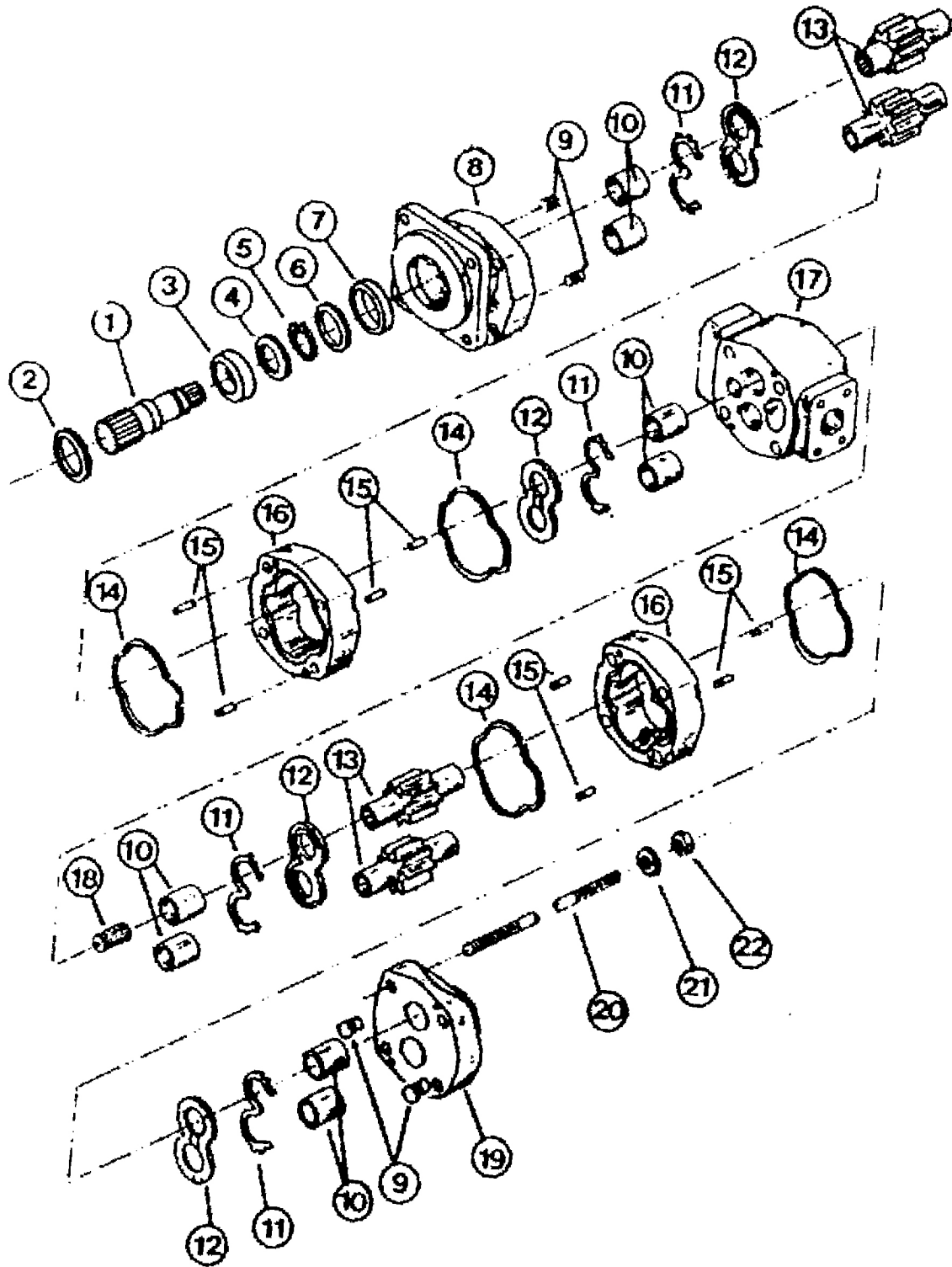
RESERVOIR TANK FILTER ASSEMBLY

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

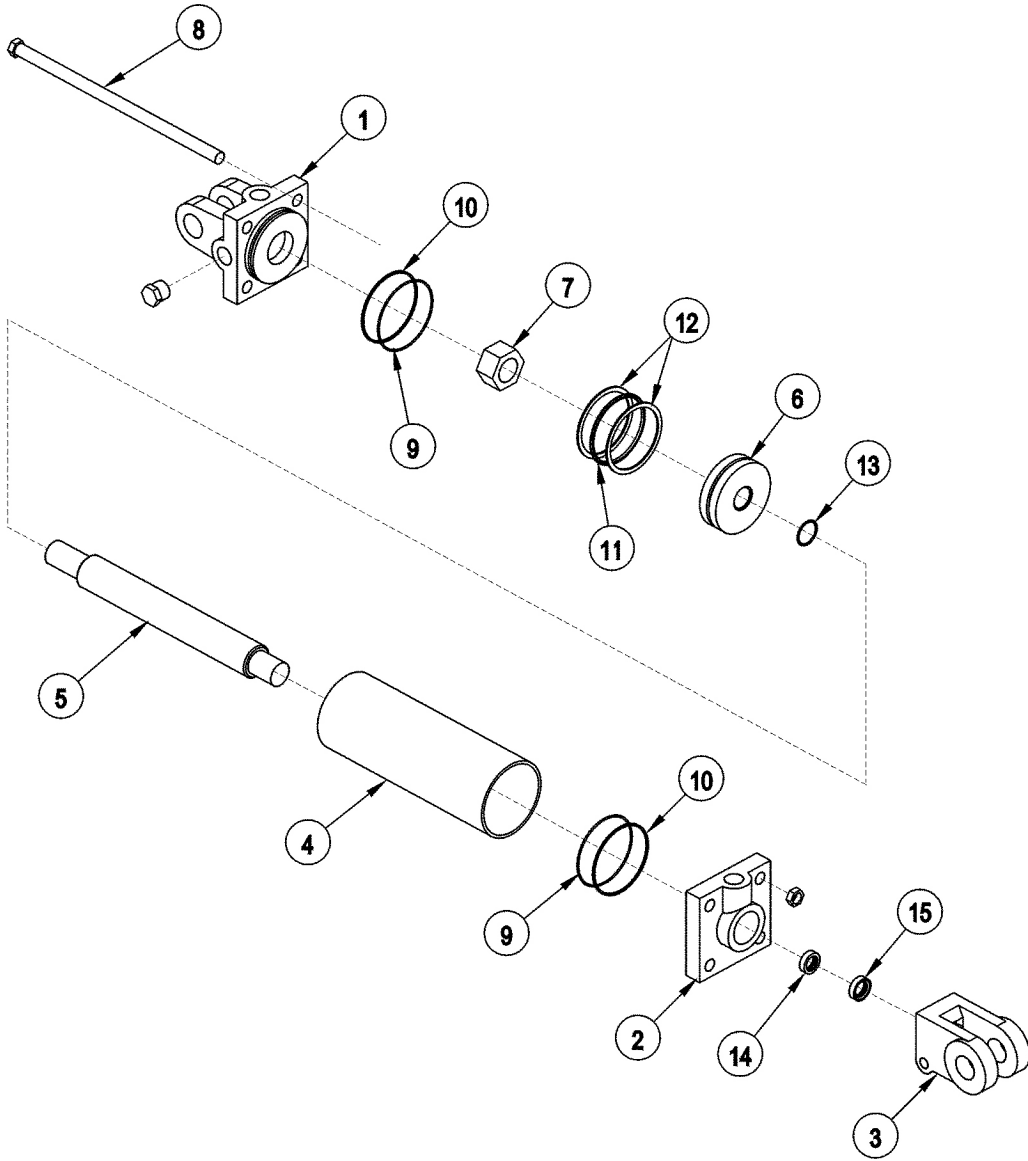
FRONT HYDRAULIC PUMP BREAKDOWN

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

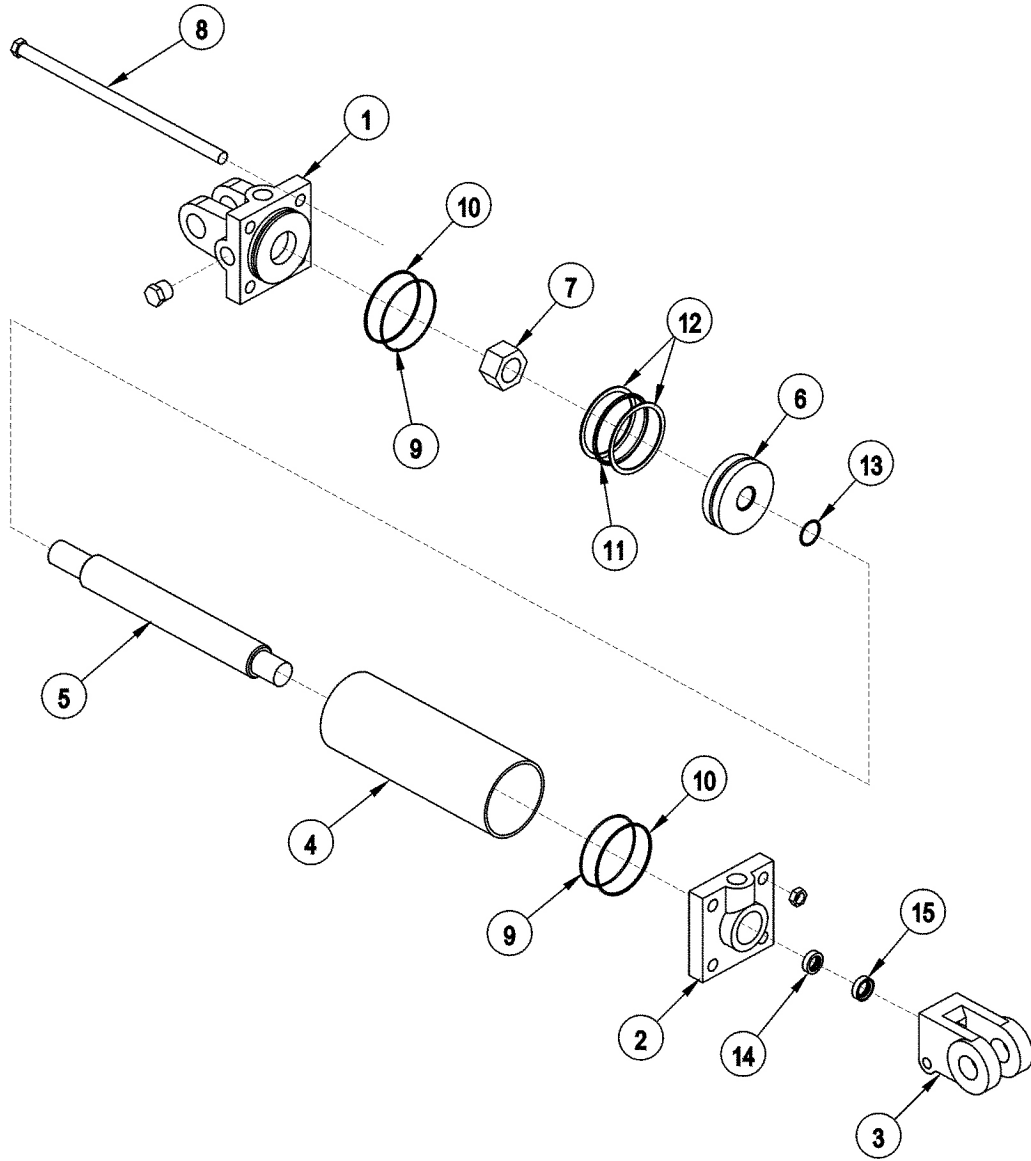
3IN X 8IN TIE-ROD CYLINDER - 31211

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

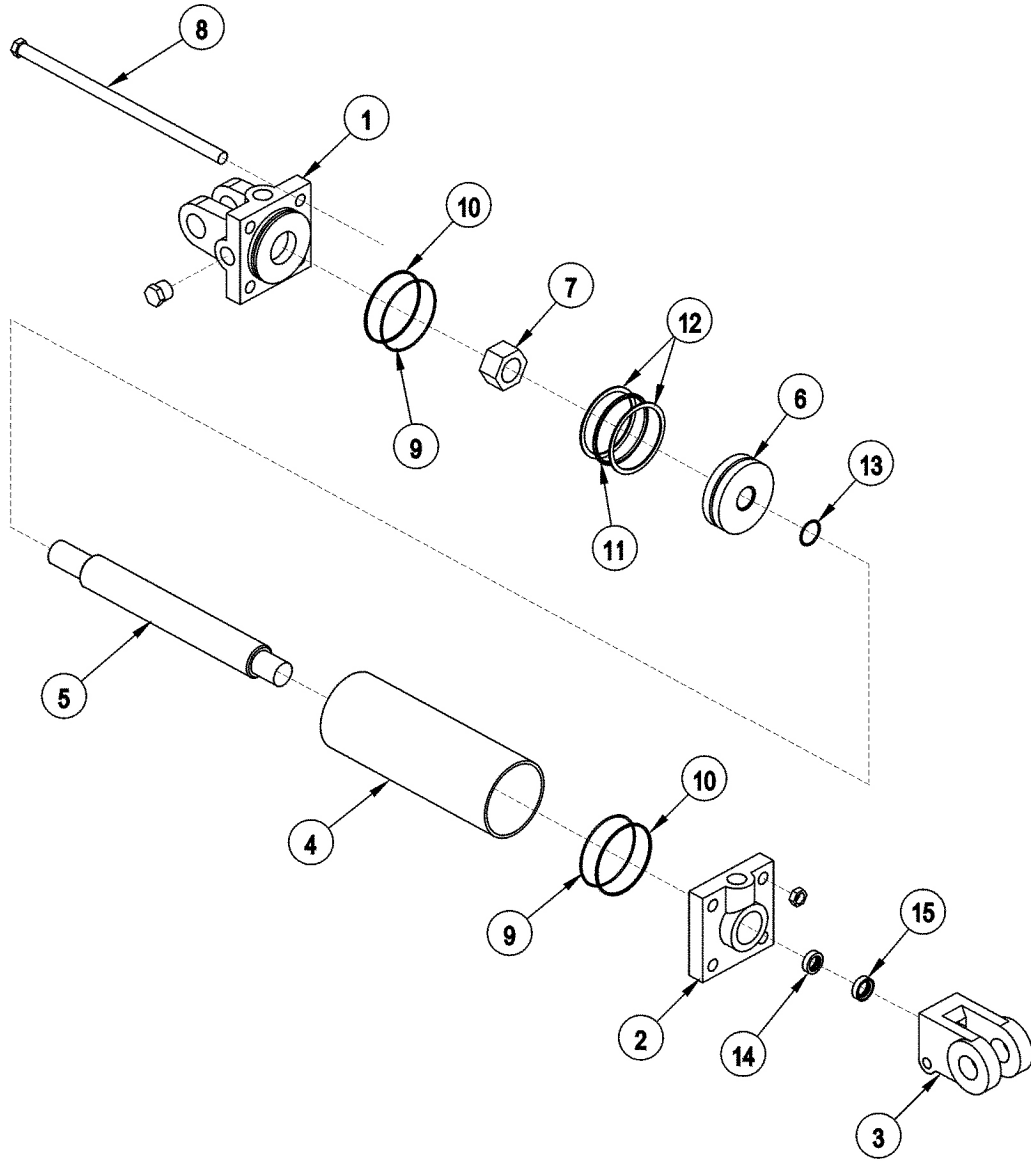
3IN X 12IN TIE-ROD CYLINDER - 25343

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

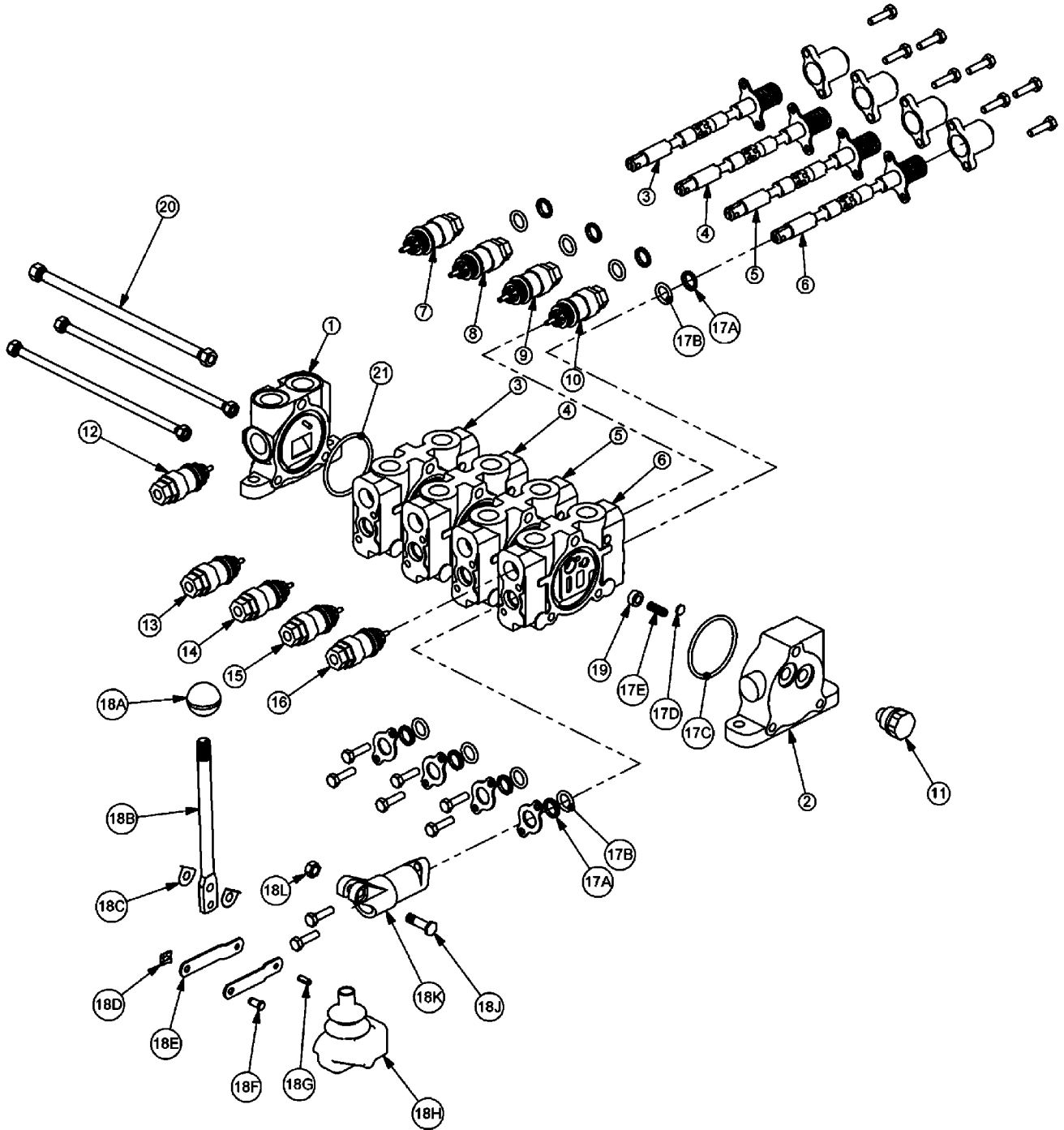
3IN X 12IN TIE-ROD CYLINDER - 32215

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

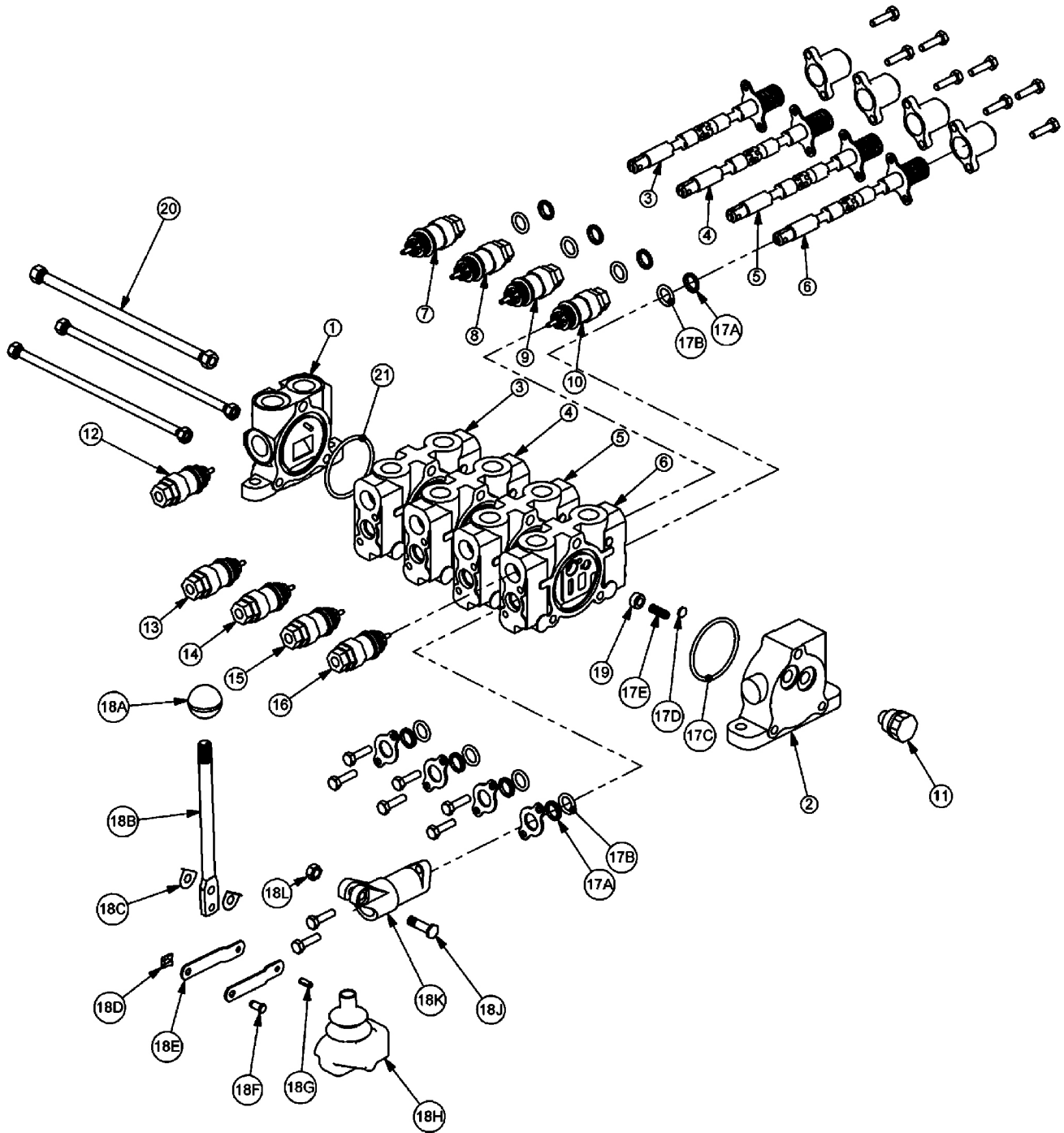
4 SPOOL CABLE (MANUAL) LIFT VALVE - 31190

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

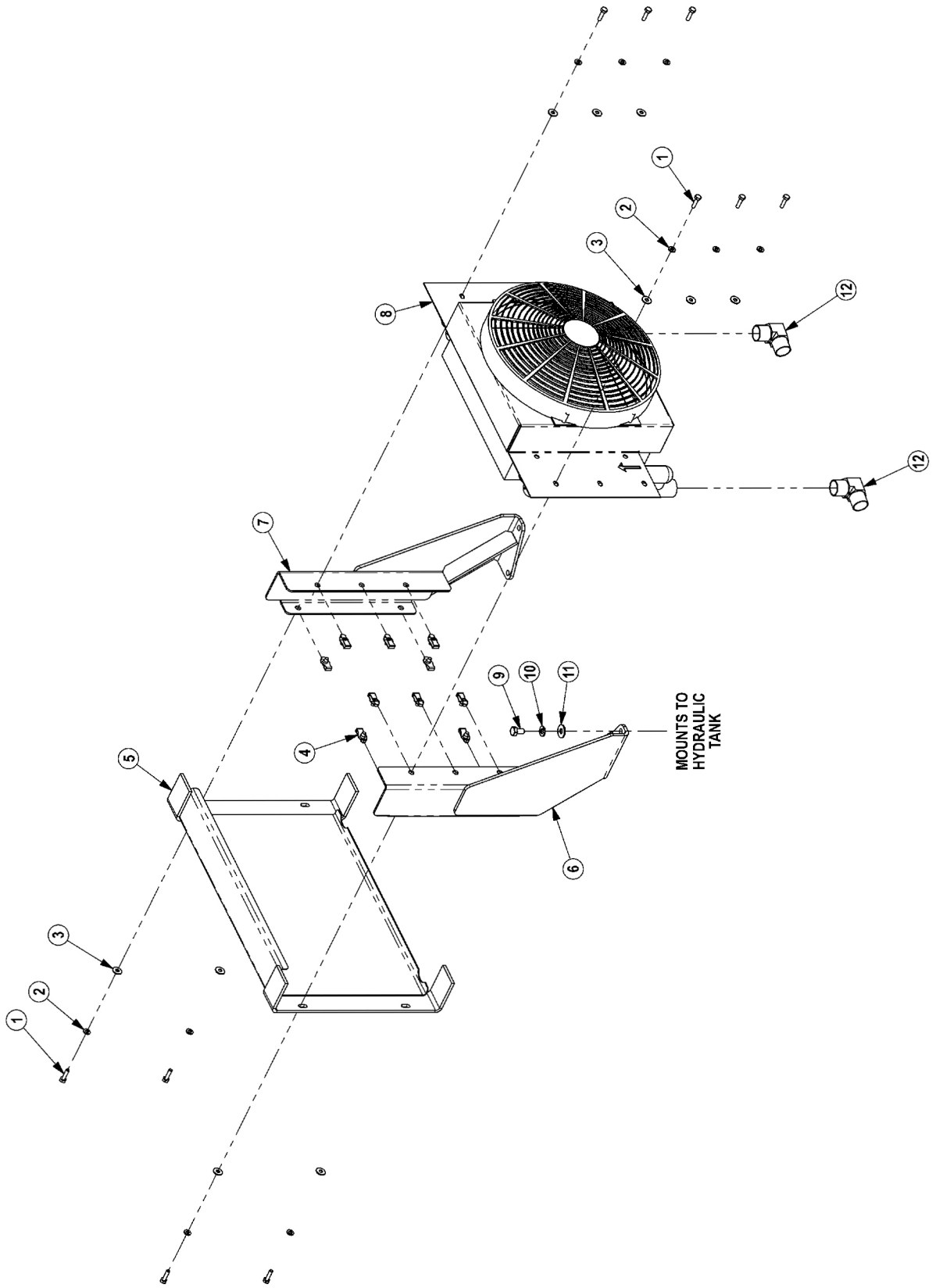
4 SPOOL CABLE (MANUAL) LIFT VALVE - 06502046

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

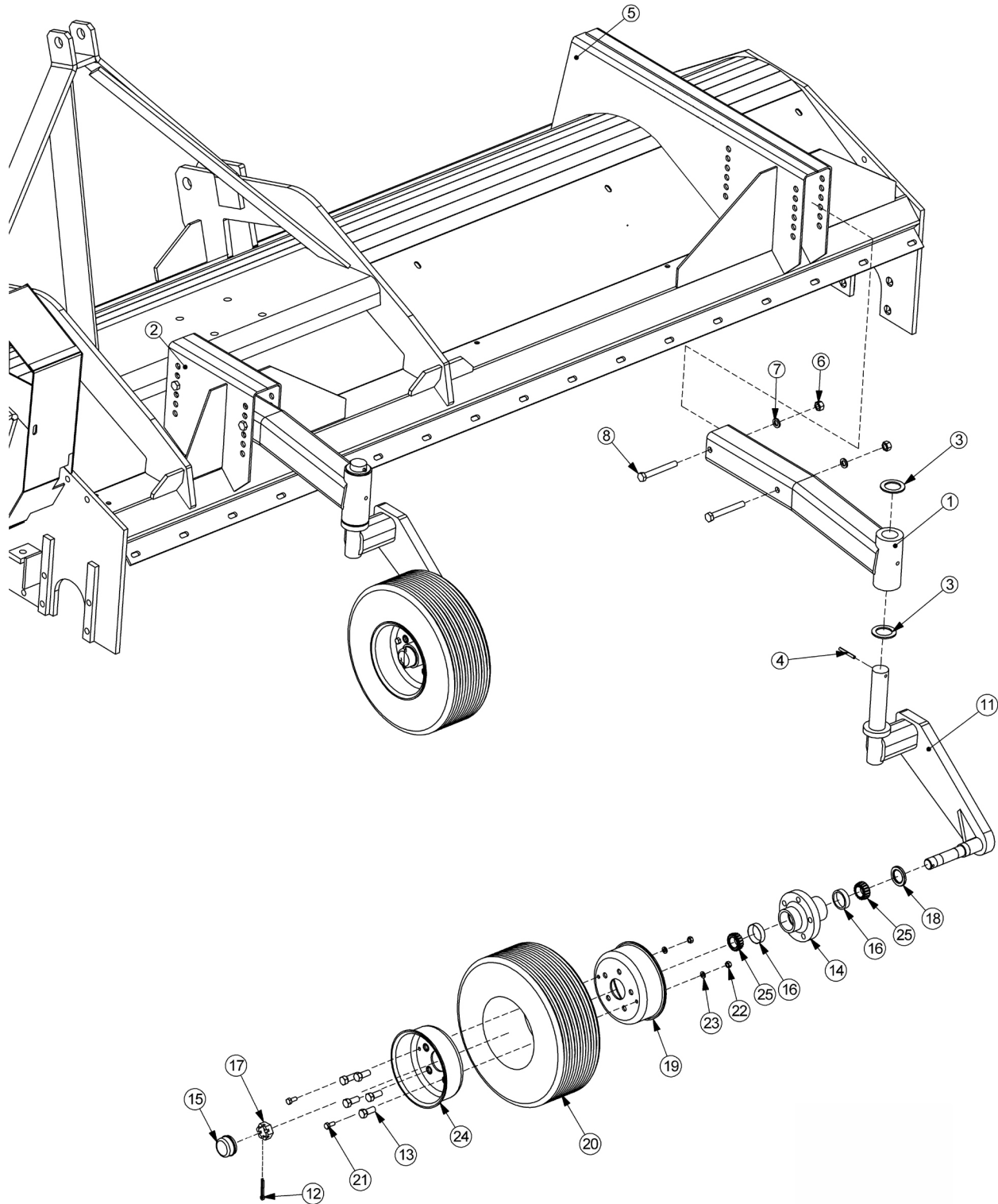
COOLER ASSEMBLY

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

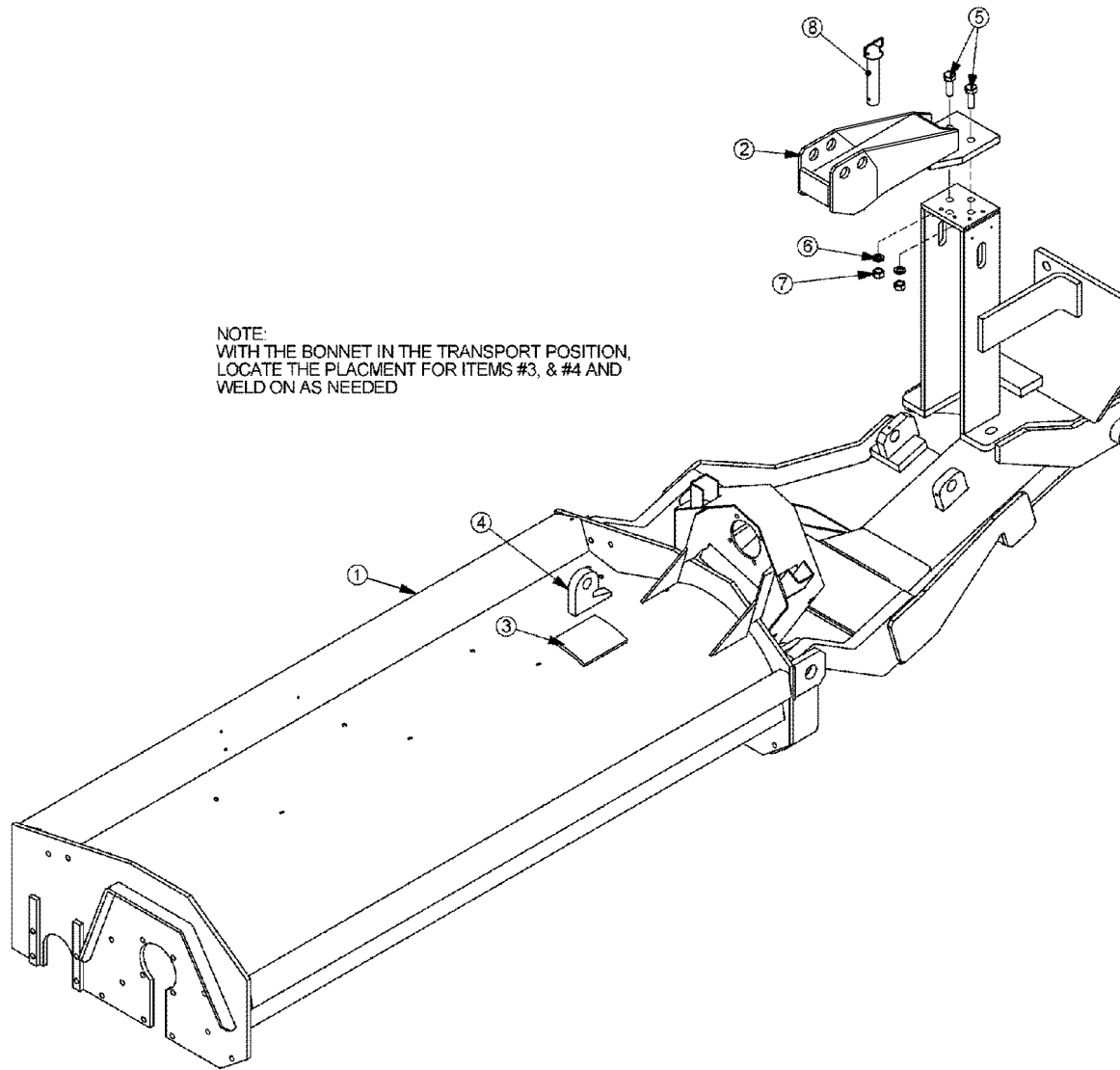
CASTER WHEEL ASSEMBLY

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

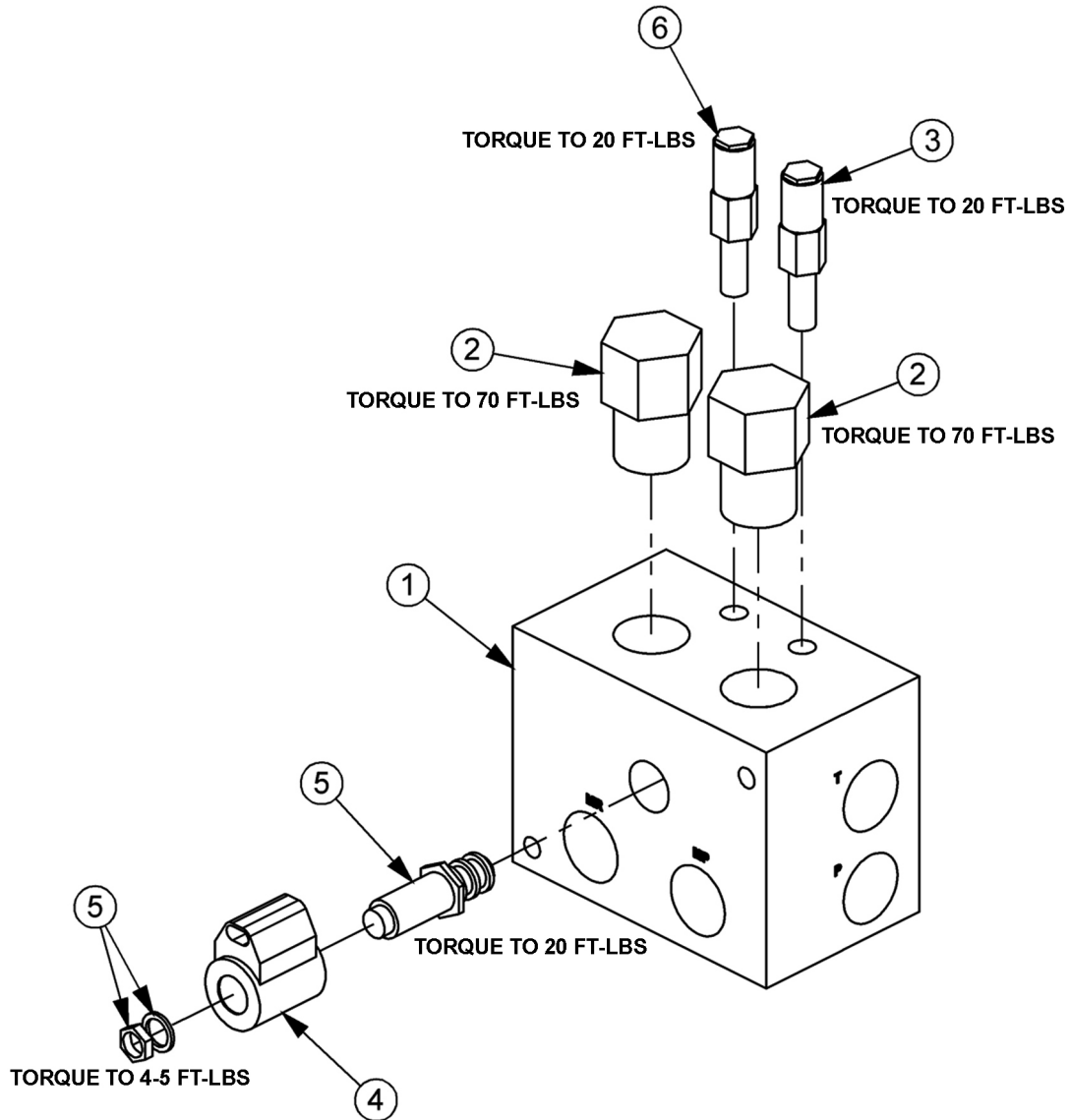


NOTE:
WITH THE BONNET IN THE TRANSPORT POSITION,
LOCATE THE PLACEMENT FOR ITEMS #3, & #4 AND
WELD ON AS NEEDED

| 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

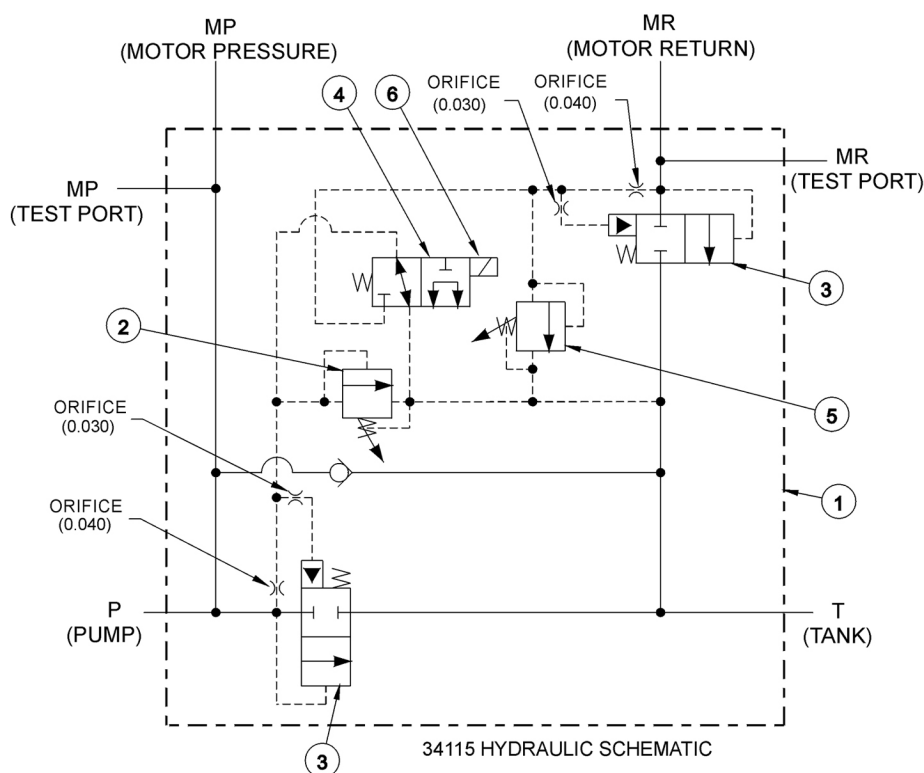
BRAKE VALVE ASSEMBLY



| 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.

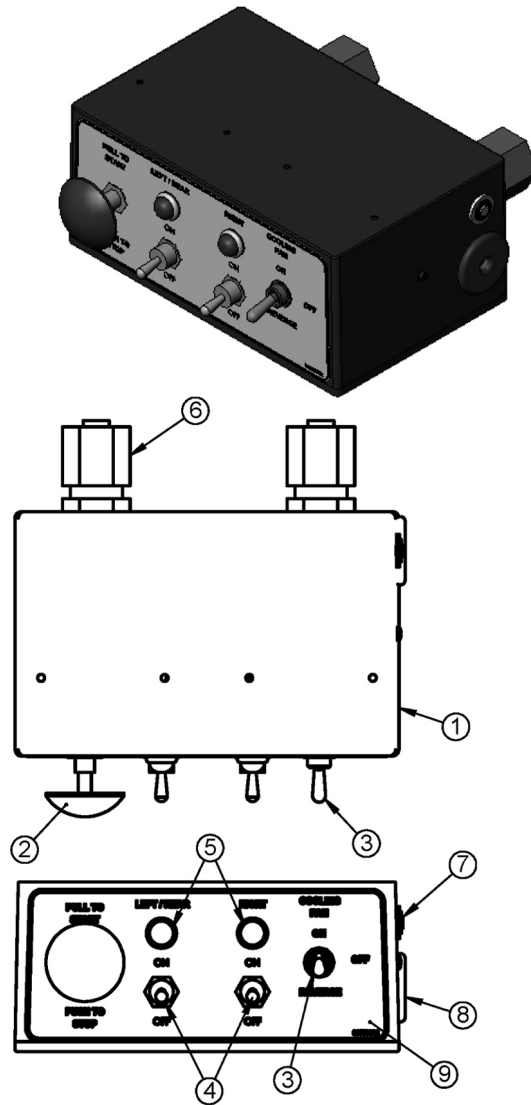
CHECK STEPS

- 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

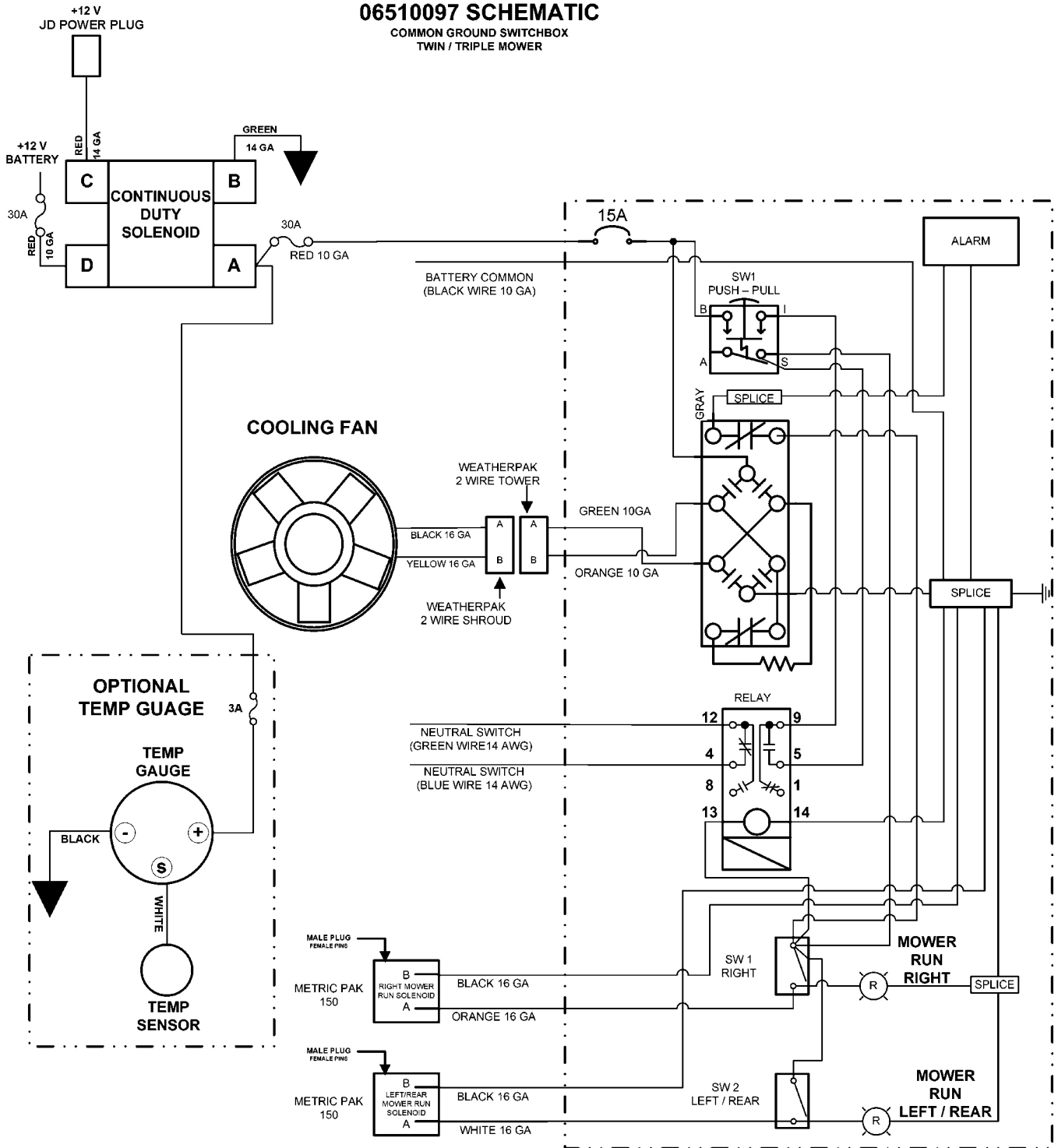


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| --- | 06510097 | - | SWITCHBOX ASSEMBLY |
| 1 | 06514011 | 1 | SWBX,ALUM,BLK |
| 2 | 35226 | 1 | SWITCH,MOWER,COLEHERSEE |
| 3 | 06510028 | 1 | SWITCH,FORWARD/BRAKE/REV |
| 4 | 33811 | 2 | SWITCH,MASTER/DECK 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

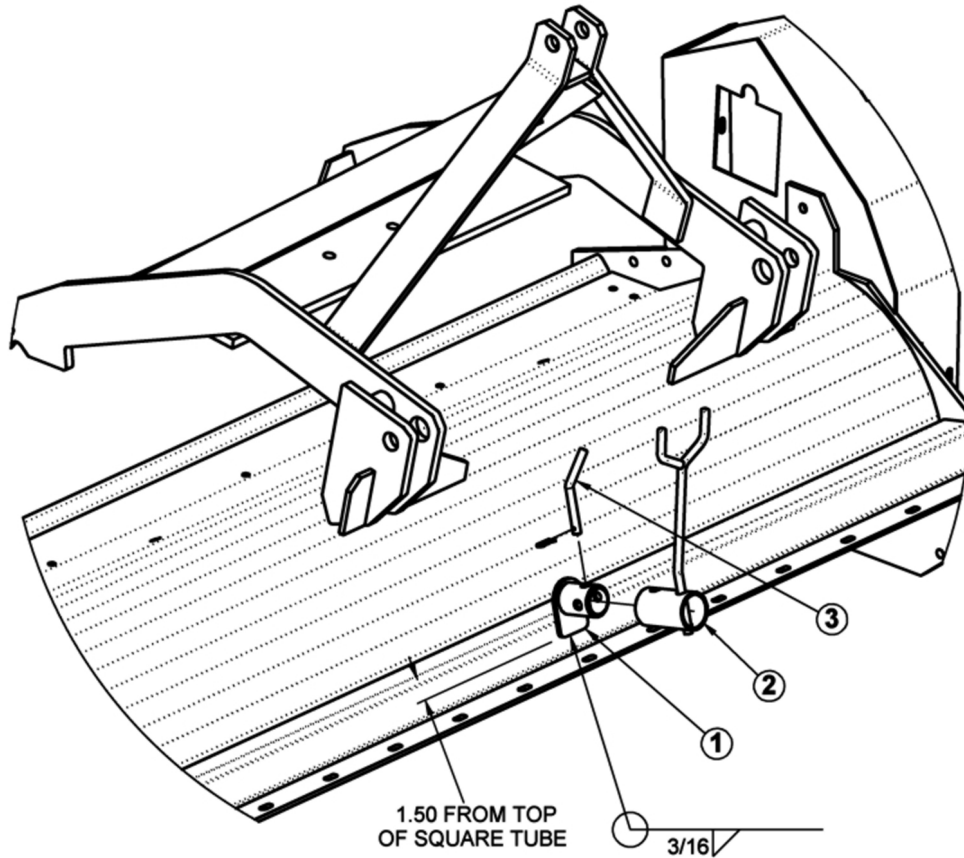
SWITCHBOX SCHEMATIC

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



TIGER CORPORATION
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 said equipment that in Tiger's adjustment, 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, in his service shop and during his 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, though, 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!**



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.