



SABER BOOM ASSEMBLIES

RÖÎ FI Í Ě Í T ĐŮÁVI Ø

Ô`H^} óæ Ą Á7E12EĪ

ÚŒÛVÙŠQŪVŔ ŐÁŸ QP
T UWP VŔ ŐÁŒ ŐÁJ ÚÒŬŒVŔ Ő
Ŕ ÛVŬŴŌVŔ P Û

Tiger Corporation
HHEFÁ P ĚŠĪ Ÿ ã ^ ÁŒ ^ È
Ùġ Ÿ c ÁŒ Ą • ĚŬ ŐÁĪ Ī FĒĪ
1-800-843-6849
1-605-336-7900
www.tiger-mowers.com

06011040

TO THE OWNER / OPERATOR / DEALER

01/11 | 1 { ^ } 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BEFORE YOU START!! U^æå@ÁæcÁ ^•æ^Á}Á@Á]|{ ^} áÁ@, }Á@Á æ~æÈ
 Uà^içÁ@Á^ ÁÁæcÁæáÁ^Á { [] Á^}•Á

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



DANGER

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

| | | | |
|-----------|---|--|---|
| <p>1.</p> | <p>2. NO RIDERS. NO CHILDREN OPERATORS.</p> | <p>3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, ROPS & OPS</p> | <p>4. BLOCK UP SECURELY BEFORE WORKING UNDER.</p> |
|-----------|---|--|---|

- 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
- 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.
- 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.
- 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
- 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.
- Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.
- 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.
- Before dismounting, secure implement in transport position or lower to ground.
 - Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent crushing by entanglement in rotating parts which could cause injury or death.
 - Never mount or dismount a moving vehicle. Crushing from rollover may cause serious injury or death.

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

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:

Tiger Corporation

3301 N. Louise Ave.

Sioux Falls, SD 57107

1-800-843-6849

1-605-336-7900

www.tiger-mowers.com

DISTRIBUTED BY:

1- _____ - _____ - _____

1- _____ - _____ - _____

TABLE OF CONTENTS

| | |
|-----------------------------------|---|
| SAFETY SECTION _____ | 1 |
| ASSEMBLY / MOUNTING SECTION _____ | 2 |
| OPERATION SECTION _____ | 3 |
| MAINTENANCE SECTION _____ | 4 |
| PARTS SECTION _____ | 5 |
| COMMON PARTS SECTION _____ | 6 |
| WARRANTY INFORMATION _____ | 7 |



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.



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

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 |

⚠ WARNING

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 CLEAR** of hot surfaces such as Mufflers, hydraulic pumps, valves and tanks.
- **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.
- Avoid backing up while mowing, vision may be limited, severe damage or injury can occur.
- **DO NOT** run tractor in enclosed building without adequate exhaust ventilation.

GROUND SPEED WHEN MOWING:

- **NORMAL SPEED** range is between 1 to 2 mph(1-3 kph).
- **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.

TRACTOR and MOWER

- **DO NOT** operate the tractor or mower unless the equipment is maintained and operating properly.
- **DISCONTINUE OPERATION** if tractor or mower electrical and hydraulic controls do no function properly.
- **DISCONTINUE OPERATION** of the tractor if the braking or steering systems do not function properly.
- **DO NOT** operate the tractor or mower if there are any hydraulic leaks.

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:

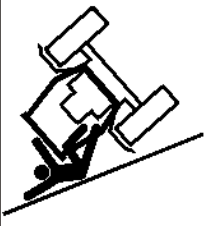
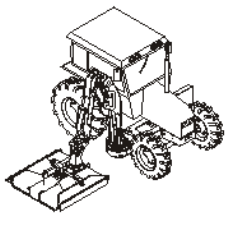

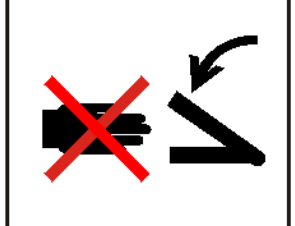

- **DO NOT EXCEED IMPLEMENT RATED PTO SPEED**
- **AVOID** exceeding rated PTO speeds that may result in broken drivelines or blade failures.

SAFETY SIGNS:

- **REPLACE** missing, damaged or unreadable safety signs immediately. **PN OSBM-01**

SAFETY

CRUSHING HAZARDS

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Crushing injury from roll over | Use Cab Tractor With Boom Mowers | Always wear seatbelt | Pinch Point Hazard Keep Hands and body parts clear of pinch points | Crushing injury from boom or mower head falling |



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 BOOM MOWER:

- 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.



TO AVOID EQUIPMENT FALLING while working near or under lifted boom, components and Mower Head:

- **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 raised boom or mower head until **securely blocked up**.

WHEN PARKING Implement and Tractor:

- **LOWER** Mower Head to the ground or **BLOCK** lifted parts before leaving equipment.
- **NEVER** leave implement unattended in a raised position.

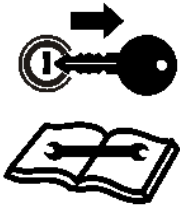





TO AVOID CHILDREN FALLING OFF OR BEING CRUSHED BY EQUIPMENT:

- **NEVER ALLOW** children to play on or around Tractor or Implement.
- **DO NOT** operate without operator CAB or OVERHEAD protection. Falling limbs and debris can cause injuries. *PN CHBM-01*

SAFETY

CONNECTING OR DISCONNECTING IMPLEMENT SAFETY

| | | | |
|---|---|---|---|
|  |  |  |  |
| <p>Stop Tractor Remove Key Read Manual</p> | <p>Crushing Hazard Do Not get under boom when connecting mower head to boom</p> | <p>Stability Hazard Ensure 20% of tractor weight is on front wheels</p> | <p>Stability Hazard Ensure 1500lbs down force on left tire with boom extended</p> |



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

WHEN connecting mower head to the boom:

- **KEEP BYSTANDERS AWAY** from tractor and mower.
- Ensure there is enough room to lift and swing the boom with out hitting objects

BEFORE connecting and disconnecting the mower head or boom:

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

WHEN connecting and disconnecting the mower head or boom:

- **DO NOT** crawl or walk under raised mower head or boom. (*Refer to Instructions in Operation Section*)

WHEN CONNECTING IMPLEMENT DRIVELINE:(If equipped)

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.



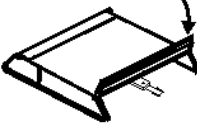

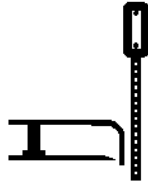
CONTACT DEALER if implement driveline does not match Tractor PTO shaft:

- **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. *PN CDBM-01*

SAFETY

SAFETY

THROWN OBJECTS HAZARDS

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Mower Thrown Objects Hazard | Raised Mower Thrown Objects | Keep mower door closed when traffic comes within 300 feet | 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, Chains Guards, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- Mower is close and parallel to ground without exposing blades.
- **MOWING AREA** has been inspected and foreign materials and debris have been removed.
- **DO NOT** shred or mow loose or previously cut material if **BYSTANDERS** are within 300 feet.
- **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:



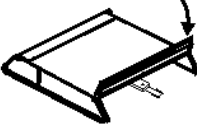

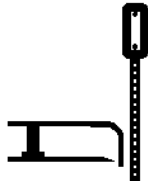
- **KEEP** all thrown object shielding including, Front and Rear Deflectors, Chains Guards, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- **DO NOT OPERATE** with any thrown object shielding missing, damaged or removed.

RIGHT OF WAY (Highway) MOWING

- Stop mowing if any bystander comes within 300 feet of the mower.
- 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 TOBM-01*

SAFETY

THROWN OBJECTS HAZARDS (Continued)

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Mower Thrown Objects Hazard | Raised Mower Thrown Objects | Keep mower door closed when traffic comes within 300 feet | Inspect Area remove foreign objects | Do not let blades contact solid objects |

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.
- Do Not mow in areas where bees or insects may attack unless you **WEAR PROTECTIVE CLOTHING** or use enclosed tractor cab.
- **ADJUST** mower head 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.
- **CLOSE** Mower door and stop operating if bystanders come within 300 feet of the mower.
- Keep mower door closed when cutting close to the ground.
- Open door only to cut large brush or tree limbs. Close door immediately after cutting limb.
- **DO NOT** push mower head down onto material to cut it, use the front tips of the mower blades to cut into the material.
- **DO NOT** operate mower when mower is 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 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.
- **DISENGAGE** mower head and wait until **BLADES** stop rotating before raising 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 TOBM-02*

SAFETY

SAFETY

RUN OVER HAZARDS

| | | |
|---|---|---|
|  |  |  |
| Operator run over hazard | Rider fall off run over hazard | Bystander 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 not mowing stow Boom and Mower head in transport location before moving.


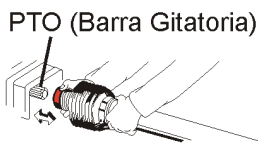
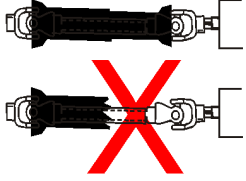
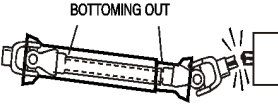
WHEN MOUNTING AND DISMOUNTING TRACTOR:

- **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 ROBM-01*

SAFETY

SAFETY

PTO ENTANGLEMENT HAZARDS

| | | | |
|---|--|--|--|
|  |  <p>PTO (Barra Gitoria)</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.




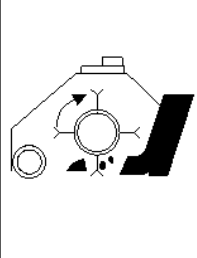

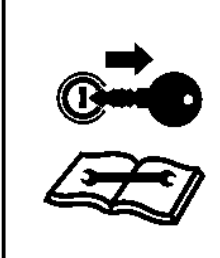
CONTACT DEALER if implement driveline does not match Tractor PTO shaft:

- **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 hands underneath Flail Mower | Do not put foot underneath mower | Do not put foot underneath Flail Mower | Shearing Hazard from Sickle blades | 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 mower switch and PTO and wait for blade to stop rotating before raising mower head.
- **DO NOT** approach Sickle Bar head until Tractor Engine has been shut off.
- **STOP LOOK** and **LISTEN** before approaching the mower to make sure all rotating motion has stopped. *PN MBBM-01*

SAFETY

HIGH PRESSURE OIL LEAK HAZARD

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



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

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

HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE.

WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:

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

Use caution when removing Hydraulic Tank cap.

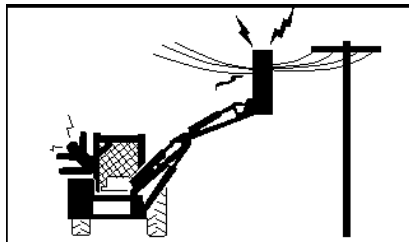
- Tank contents maybe under pressure
- Allow oil to cool before removing cap.
- Relieve oil pressure before removing cap slowly.
- Stay away from hot oil that may spray from tank.

PN HPBM-01

SAFETY

SAFETY

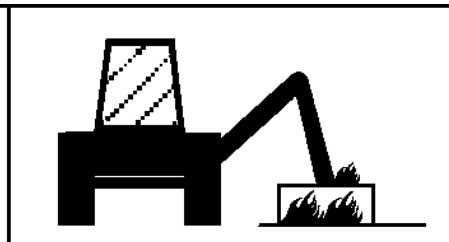
ELECTRICAL & FIRE HAZARDS



Mower head or Boom contacting overhead electrical lines



Strike and explosion Hazard
Blades Contacting Utility or Gas Lines



Fire Hazard Do Not operate near fires. Keep debris away from hydraulic pumps and valves



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.
- **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.
- **SHUT OFF ENGINE** while refueling. *PN EFBM-01*

SAFETY

TRANSPORTING HAZARDS

| | | |
|---|---|---|
|  |  |  |
| <p>Use SMV signs and Flashing Lights</p> | <p>Loss of Control Stopping Hazard</p> | <p>Loss of Control Speeding Hazard</p> |

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:

- Store Boom and Mower in transport positions and engage transport locks if equipped.

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

BRAKING TESTS:

- Stopping distance with implement attached may increase
- Observe **STOPPING** distances increases with increased speeds.
- **DETERMINE** the maximum safe transport speed that does not exceed 20 mph.
- Reduce travel speed in wet or icy roads, stopping distances increase.

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:



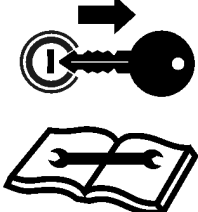

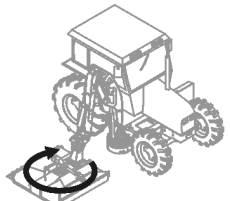
- Always **WEAR SEAT BELT** when operating or transporting mower.
- **USE** low speeds to avoid overturn with raised wings.
- **USE** low speeds and gradual steering on curves, hills, rough or uneven surfaces and on wet roads.
- **TURN ON** tractor **FLASHING WARNING LIGHTS**.
- **ALLOW** clearance for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

KEEP raised boom mower 10 feet or greater distance from all power lines and overhead obstructions. PN THBM-01

SAFETY

SAFETY

HAZARDS WITH MAINTENANCE OF IMPLEMENT

| | | | | |
|--|---|---|--|---|
|  |  |  |  |  |
| Periodically inspect all moving parts, lubricate drivelines, and tighten all fasteners | Lower mower head to ground or block up before servicing | Stop engine remove key before conducting maintenance | Set mower head securely on the ground before servicing blades | Thrown Objects Hazard Ensure blades rotate clockwise viewed from above mower head |



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 dismounting 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 Pump solenoid valve or PTO driveline connection before servicing mower head.**
- **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.
- **FOLLOW INSTRUCTIONS** in maintenance section when replacing hydraulic cylinders to prevent component falling.
- **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.
- Inspect mower blade spindle to ensure bearing preload. If loose repair before operating.
- **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:

- Inspect blade carrier and blades daily.
- Check blade and blade carrier **BOLT TORQUE** daily. Loose bolts can cause blade or blade bolt failures.
- **REPLACE**, bent, damage, cracked and 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, Chain Guards, 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. **PN HMBM-01**

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

Operator's & Parts Manuals



www.algqr.com/tpm

SAFETY

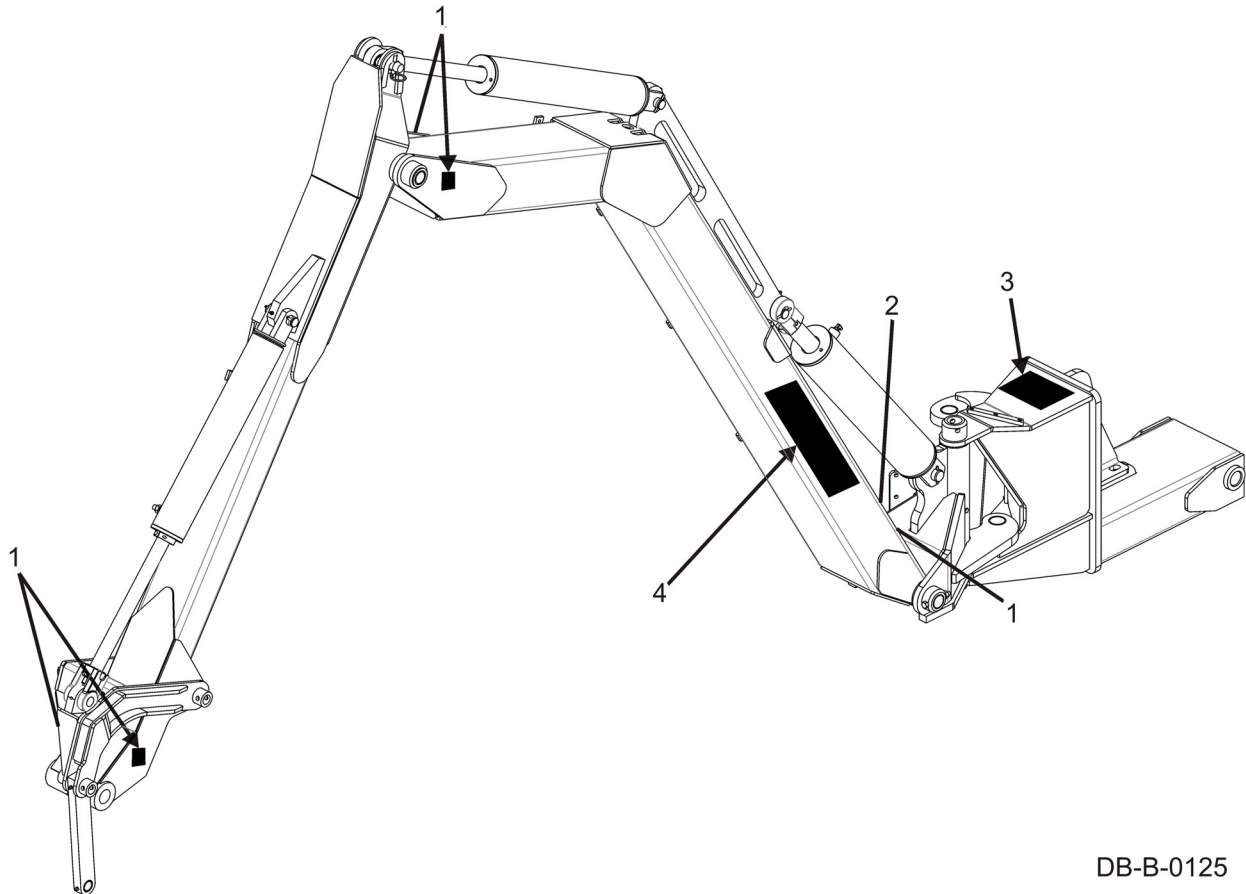
SAFETY

SAFETY

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.

Boom Arm

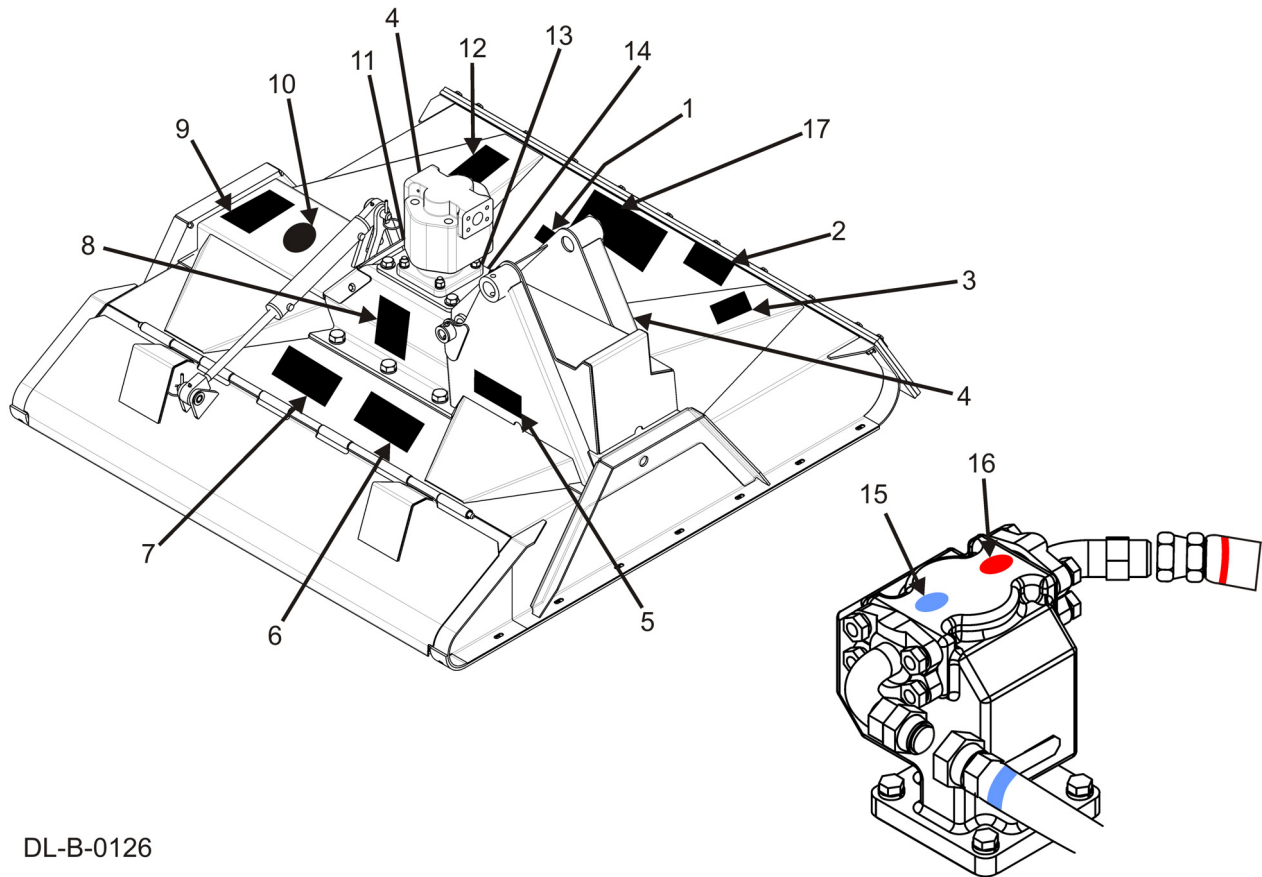


DB-B-0125

| ITEM | PART NO. | QTY. | TYPE | DESCRIPTION |
|------|----------|------|---------|----------------------|
| 1. | 02962764 | 5 | WARNING | Pinch Points |
| 2. | 02965262 | 1 | WARNING | Hydraulic Oil Hazard |
| 3. | 02962765 | 1 | DANGER | Crushing Hazard |
| 4. | | 1 | LOGO | Name |

SAFETY

50" & 60" Rotary



DL-B-0126

| ITEM | PART NO. | QTY. | TYPE | DESCRIPTION |
|------|----------|------|--------------|-------------------------------|
| 1. | 6T3237 | 1 | WARNING | Replace Blades |
| 2. | 24028 | 1 | WARNING | Thrown Object Hazard |
| 3. | D637 | 1 | WARNING | Disconnect Hydraulic Solenoid |
| 4. | 42399 | 2 | REFLECT | Red Reflector |
| 5. | 4240006 | 1 | REFLECT | Amber Reflector |
| 6. | D668 | 1 | INSTRUCT | Lubrication Chart |
| 7. | 33224 | 1 | DANGER | Blades, Thrown Object |
| 8. | D619 | 1 | WARNING | Blade Rotation |
| 9. | | 1 | LOGO | Made in the USA |
| 10. | | 1 | LOGO | Tiger Genuine Parts |
| 11. | 22839 | 1 | INSTRUCT | Use Hand Grease Gun |
| 12. | 32709 | 1 | WARNING | Use Genuine Tiger Parts |
| 13. | 6T3221 | 1 | INSTRUCT | Lubrication Instructions |
| 14. | nfs | 1 | SERIAL PLATE | Serial Number Plate |
| 15. | 06550058 | 1 | INSTRUCT | Blue Dot |
| 16. | 06550057 | 1 | INSTRUCT | Red Dot |
| 17. | | 1 | LOGO | Name |

BOOM

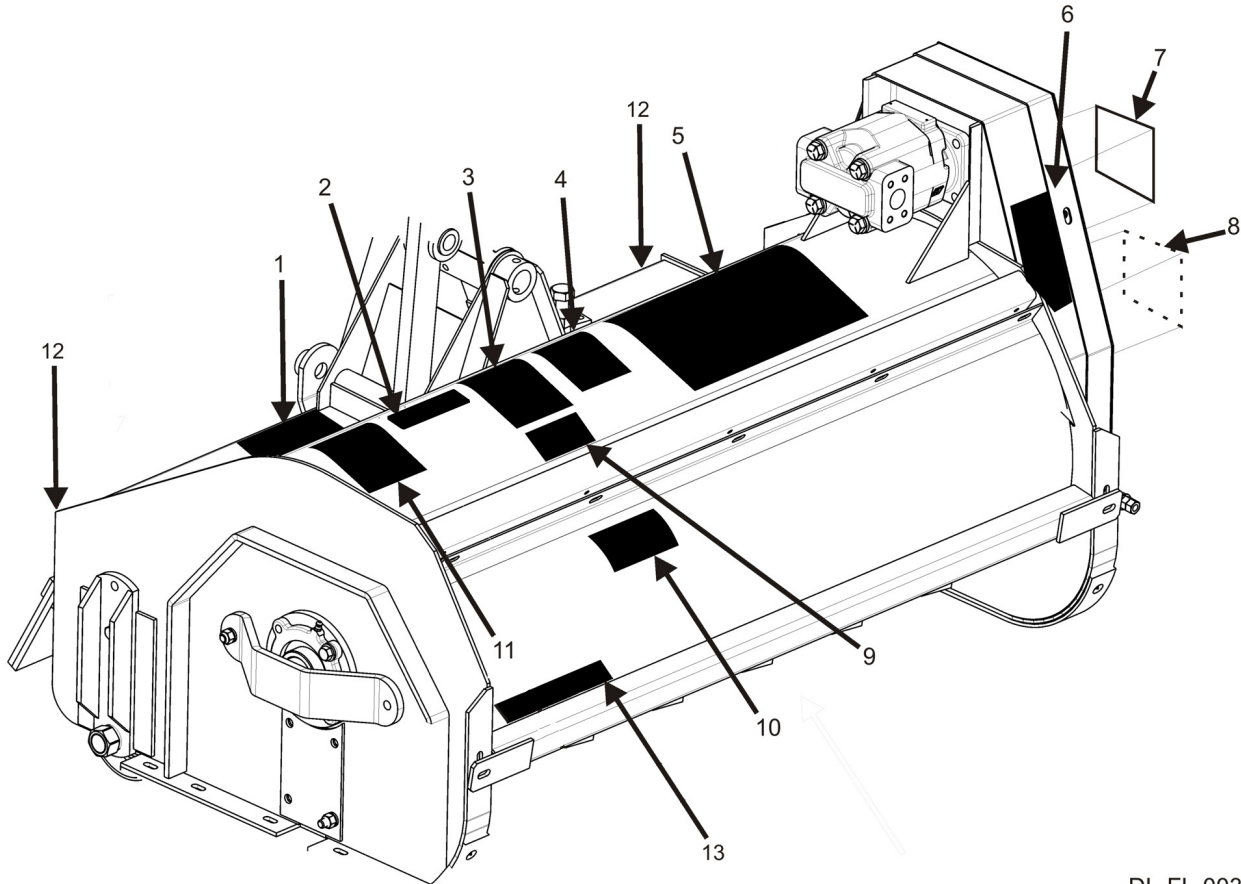
Safety Section 1-17

SAFETY

SAFETY

50" & 63" Flail

SAFETY



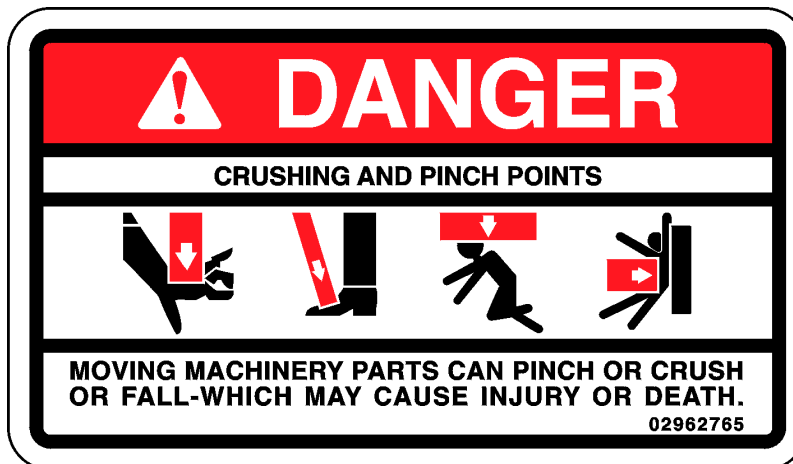
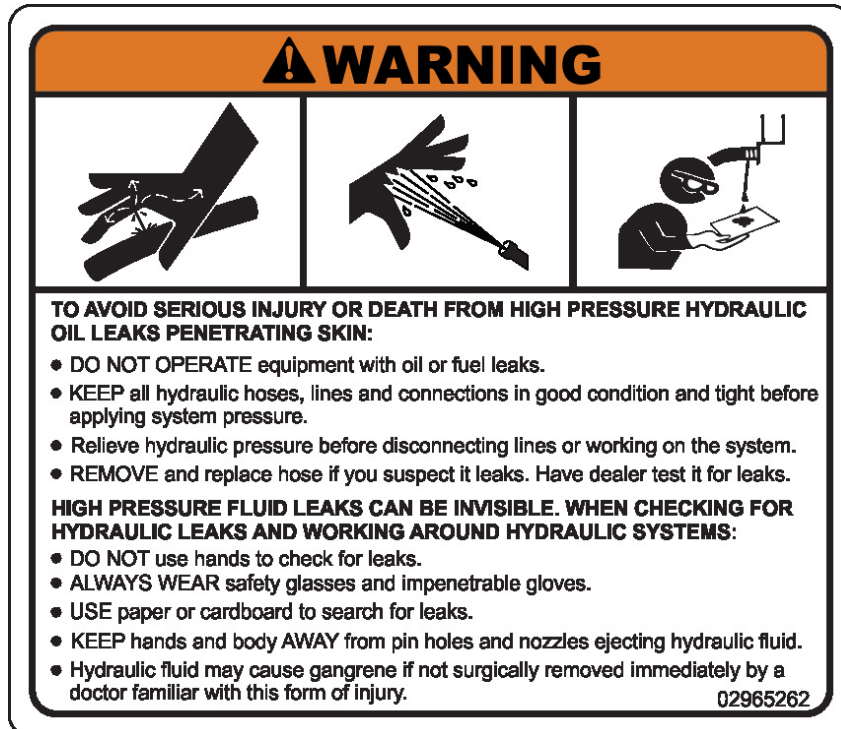
DL-FL-0031

| ITEM | PART NO. | QTY. | TYPE | DESCRIPTION |
|------|----------|------|--------------|----------------------------------|
| 1. | 24028 | 1 | DANGER | Thrown Object Hazard, Deflectors |
| 2. | 32709 | 1 | WARNING | Use Genuine Tiger Parts |
| 3. | 33224 | 1 | DANGER | Blades, Thrown Object |
| 4. | D637 | 1 | WARNING | Disconnect Hydraulic Solenoid |
| 5. | | 1 | LOGO | Tiger Logo |
| 6. | 00758194 | 1 | WARNING | Pinch Point Hazard |
| 7. | | 1 | LOGO | 50" Logo |
| | | 1 | LOGO | 63" Logo |
| 8. | D646 | 1 | DANGER | Guard Missing, Do Not Operate |
| 9. | D655 | 1 | INSTRUCT | Lube Chart |
| 10. | TB1011 | 1 | DANGER | Thrown Object Hazard, Shield |
| 11. | 6T3236 | 1 | LOGO | Made in the USA |
| 12. | 42399 | 2 | REFLECT | Red Reflector |
| 13. | 4240006 | 1 | REFLECT | Amber Reflector |
| 14. | nfs | 1 | SERIAL PLATE | Serial Number Plate |

BOOM

Safety Section 1-18

SAFETY



SAFETY

SAFETY

SAFETY

⚠ DANGER


THROWN OBJECT HAZARD

TO AVOID SERIOUS INJURY OR DEATH:
DO NOT OPERATE if Thrown Object Shielding is damaged or missing.

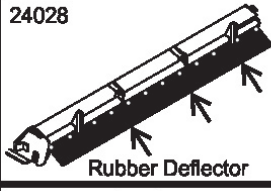
- Maintain Rubber Deflectors in good condition.
- Inspect Rubber Deflectors frequently.

MAINTAIN Thrown Object Shielding

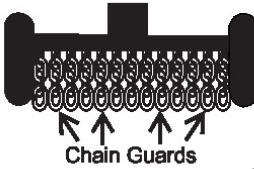
HERE



24028



Rubber Deflector

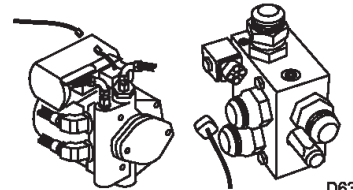


Chain Guards

⚠ WARNING

TO AVOID SERIOUS INJURY OR DEATH FROM INADVERTENT MOWER HEAD START UP:

- Disconnect the hydraulic solenoid BEFORE servicing the tractor or mower.

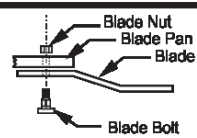


D637

⚠ WARNING

TO AVOID SERIOUS INJURY OR DEATH FROM BLADE ATTACHMENT FAILURE:

- Torque 1-1/8" blade bolt to 800 ft lbs.
- ALWAYS replace blades in pairs.
- ALWAYS replace blades with new bolts and nuts.



Blade Nut
Blade Pan
Blade
Blade Bolt


6T3237

⚠ WARNING

TO AVOID SERIOUS INJURY AND DEATH FROM THROWN OBJECTS:

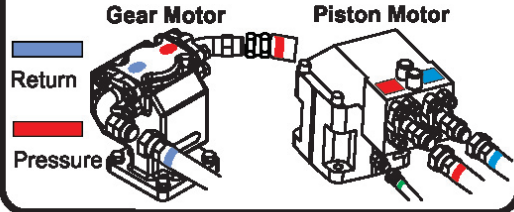
- MAKE CERTAIN blades rotate the correct direction.

BLADE ROTATION



D619

Gear Motor **Piston Motor**



Return
Pressure

SAFETY

SAFETY

| | | |
|---|--|--|
| ⚠ DANGER | | |
|  |  |  |
| THROWN OBJECTS HAZARD | | |
| <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">● CLOSE MOWER DOOR and STOP operating if bystanders or traffic come within 300 feet.● KEEP door fully closed when cutting grass and weeds.● OPEN door ONLY to cut large brush. Close door immediately after.● DO NOT operate with door removed.● KEEP door in place and in good condition during operation.● Deflectors are SUBJECT TO WEAR. Replace if worn or damaged.● ALWAYS transport with door closed. 33224 | | |
| ENTANGLEMENT HAZARD | | |
|  | <ul style="list-style-type: none">● 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. | |

SAFETY

SAFETY

⚠ WARNING

Non-genuine parts can fail catastrophically. TO AVOID SERIOUS INJURY OR DEATH:

- ONLY use genuine TIGER replacement parts.
- Non-genuine parts can fail creating hazardous conditions for operator and bystanders.

Contact local dealer or TIGER about repair parts at:

3301 N. LOUISE AVE.,
SIOUX FALLS, SD 57107 www.algqr.com/tpm
Customer Service: 800-843-6849.
Email: feedback@tiger-mowers.com 32709 1



IMPORTANT

| | | |
|---|---|---|
| BE AWARE BE ALERT BE ALIVE | BE TRAINED Before Operating this Mower |  |
|---|---|---|

To prevent serious injury to yourself and/or bystanders, be trained in Safe Mowing Practices. Alamo Group Companies as well as AEM and FEMA provide training material that is critical for your Safety and the Safety of others when operating this equipment. www.algqr.com/tbv
Make these Safety Procedures an important part of every workday. Read and understand the Operator's Manual. Do not let untrained individuals operate this equipment. Contact your Dealer, AEM (www.aem.org), FEMA (314-878-2304, www.FarmEquip.org), or Alamo Group (www.Alamo-Group.com) for information on training material or courses that provide training in Safer Operating Practices for Mowers. 32709 2 32709

SAFETY

SAFETY

| | |
|---|--|
| ⚠ WARNING | |
| PINCH POINT HAZARD |  |
| TO AVOID SERIOUS INJURY: <ul style="list-style-type: none">• DO NOT OPERATE with Belt Shield removed. 00758194 | |

| |
|--|
| ⚠ DANGER |
|  D646 |
| GUARD MISSING DO NOT OPERATE |

| | |
|--|--|
| ⚠ DANGER | |
| THROWN OBJECTS HAZARD | |
| Mower can throw objects up to 300 feet. TO AVOID SERIOUS INJURY OR DEATH to operator or bystanders: <ul style="list-style-type: none">• DO NOT operate with Shield removed.• KEEP Shield in place and in good condition during operation. Tb1011 |  |

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.

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.



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.

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.

TRACTOR PREPARATION

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.

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.

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.

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.

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.

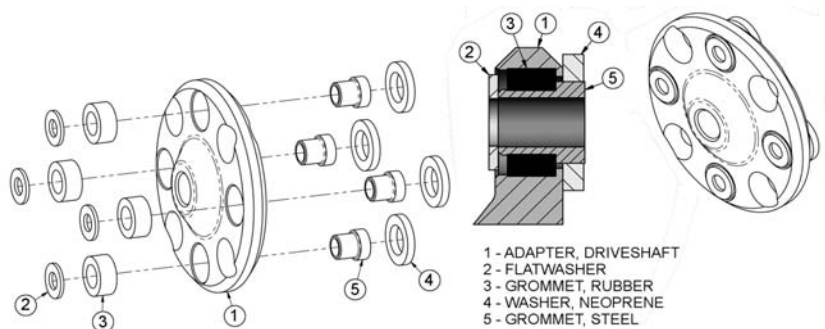
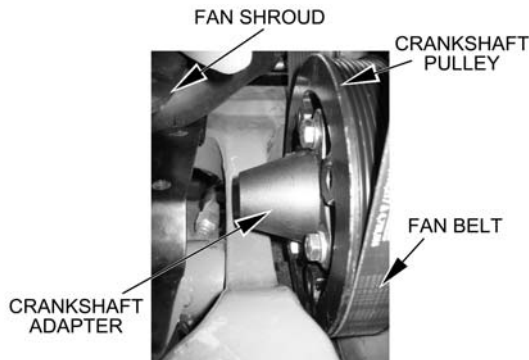
Before attempting to mount your Tiger mower, it is important to read and understand all of the safety messages in the Safety Section of this manual.

(ASM-JD-0001)

CRANKSHAFT ADAPTER

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.

(ASM-JD-0051)



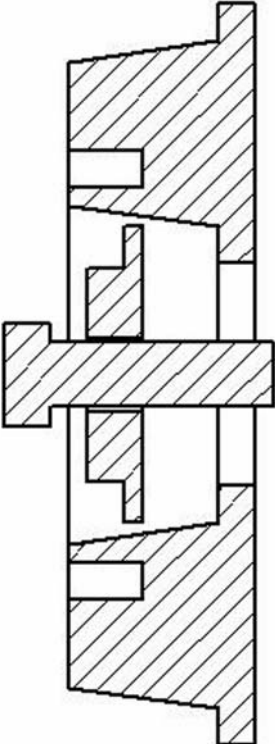
ASSEMBLY

FRONT CRANKSHAFT PULLEY

Vä^i^Á@e Á[} áÁ@eÁ@Á[] o&æ \ • @eá } ||^ Á • ááÁ Á @ Ö^i^Á q|Á [o&æ [, Á[i^Á@ Á
 ä • o&æ } Á ÁÁ [] o&æ^ Á • c { EY [~ Á q|Á^ ááÁ Á i^á^i^Ááá^i^ } o^ ||^ Eä æ @ i^Á ä Á [oÁ [{ Á @ Á
 Ö^i^ÁÁ ÁÁ [, Á[i^ÁÁ [] o&æ^ Á Á Á^ Á • o&æ^ áá } Á [i^Áááá } Eä
 Q •] ^ áá@ Á [] o^ ||^ Á } Á [i^Áááá } Á Á i^á^ Á [~ Á@e Á@ Á [i^áá } ||^ Á^ ááÁ Á [~ } o^
 @ Á] áá i^Á | áá Eä [~ i^Á ||^ Á@e Á@ Á DÁ [i^Á q | Á^ ááÁ Á [~ } o^ @ Á] áá i^Á [~ i^Á ||^ Á Á
 @ Á [i^áá } ^ Á^ ááÁ Eä [~ i^Á ||^ Á [^ Á [o^ Á@e Á@ Á DÁ [i^Á q | Á^ Á@ Á } ||^ Eä [~ Á q|Á^ ááÁ
 q Á i^á^i^Á@ Á [i^áá } ||^ Eä æ @ i^Á ä Á [oÁ [{ Á @ Ö^i^ÁÉ

PARTS REQUIRED TO PURCHASE FROM JOHN DEERE:

- U^ ||^ Á [{ ÁÖÁÜÍ FÍ HGE
- Y æ @ i^Á [{ ÁÖÁÜÍ FÍ GHÍ
- Ó [oÁ [{ ÁÖÁÜÍ FÍ I I
- V [i^ ~ ^ Á } Á@ Á } ||^ Á [oÁ ááá &æ^ Á Á J ÁáÉÉ



Solution:

FÉÖ i^ áá } Á [^ Á Ááá \ • @eá • ä * ÁYFÍ G í ÁÁ^ áá } áá i^ Á i^á^ i^É
 GÉÖ [] i^ ÁÁ @ Á [{ Á^ ááÁ ÁYFÍ JÍ JÁ^ áá } ä * Á [] [~ } áá [~ } áá@ Á^ ááá * Á^ Á Á@ Á
 &æ \ • @eá [• É
 HÉÖ ä Ááá] i^ Á [~ } q * Ááá &^ , Á ÁÁ^ áá ÁÜÖHÉÁ } * ä^ Á q|Á , áá • Á^ Áá^ , Ááá • &^ , É
 I ÉÜ [• áá } Ááá] i^ É } ||^ Á } Á@ Á [áá \ • @eá } áá@ Á^ ááá &æ^ , Á] Áá @ Á [oÁ i^ Á } Á@ Á
 &æ &^ , Á Á } ||^ Á } ||^ Á ááá @ Á } q Á@ Ááá i^ É
 í ÉVá @ } Ááá &^ , Á Á] ^ áááá } Á ÉÉ { ÁÍ J áÉÉ @ Á } * ä^ Á q|Á [• oÁ i^ Á@e Á Á Á
] ä^ ááÉ
 í ÉÁ^ áá^ i^ Á } É^ o^ } Á@ Á } ||^ É] ^ Á ÁÉÉHÁ i^ Á • É

(ASM-JD-0080)

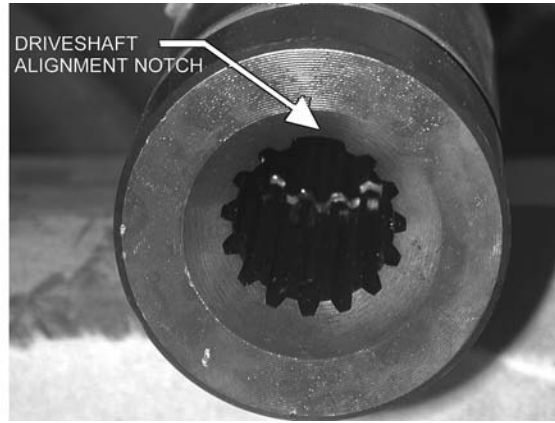
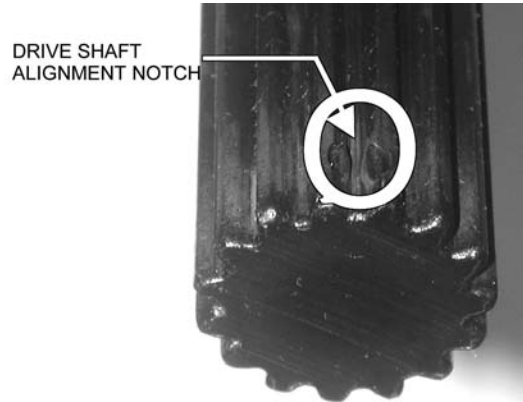


ASSEMBLY

DRIVESHAFT AND FRONT PUMP MOUNTING

Q. 0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

CAUTION: DO NOT START THE TRACTOR UNTIL ALL HOSES ARE ATTACHED, TANK IS FILLED WITH PROPER OIL AND BALL VALVES ARE OPEN! STARTING AT THIS TIME WILL CAUSE SERIOUS DAMAGE TO THE PUMP. (ASM-JD-0007)



ADJUSTING REAR WHEELS

Follow the instructions in the tractor owner's manual for adjusting tires and rims.

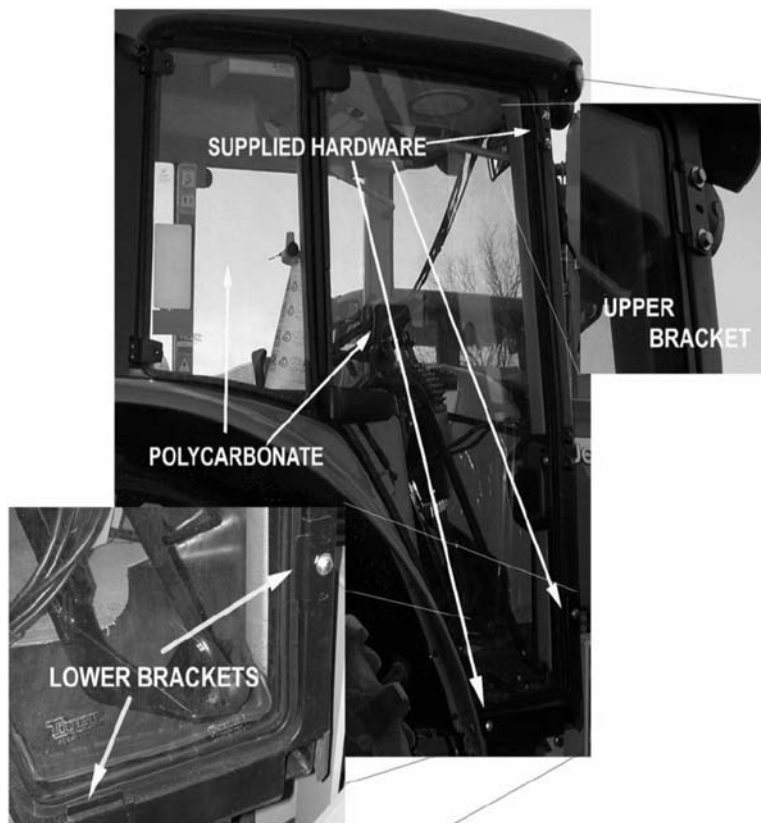


ASSEMBLY

POLYCARBONATE SAFETY WINDOW

NOTE: Installing a boom mower requires that all of the right side windows be replaced or protected with a polycarbonate window. This should be done before mounting the mainframe.

F&A } ^&A ae A @ & Aea [| :EJ ^ { [c^A @ Aa @ Aa ^ &ea [| :D a a [, A | ae . A [{ A aed | A
&ea ^ A ^ { [ca * A @ * ^ A a . E J C F [E ^ { [c^A ^ ea Aa @ A a ^ A a a [, E
G E U ^ { [c^A @ A ca ca * A ea , ae ^ A a a A a &ea A aed | ^ A | ae . A [| :A a a a [, E
H E U | ae ^ A { ae | A ^ ea A A ea @ . a ^ A ^ ea A @ A [c { A A @ A a A A | & A a a ^ A ^ ae E
I E J . ae | A a A | & A a a ^ A ^ ae A } A [| : ea a [} ae A ea ca * A ea @ A } c | A [c { A Q | a [} ea A
] | : ca } E
I E J . ae | A ca ca * A ea , ae ^ A ^ { [c^A a A [{ A | ae . A [| :A a a a [, A } A @ A [| : ea a [} ae E
I E J . ae | A @ A [| : ea a [} ae A e . ^ { a | A A @ A ea A a @ A ca ca * A a a } | a a A ea , ae E
I E U | ae ^ A @ A ^ ea a * A : ea ^ o A } A @ A] ^ A [} ea a A [, ^ A [} o ca a] | ea ^ D A A @ A ea A
a [| :D a a [, A a ea @ A { A ea . & ^ . E
I E U | ae ^ A @ A ea ea ^ ea ea @ A [c { A A @ A [| : A a @ A } a ^ A ea A @ , } A A @ A | . ea a } A
a ^ | , E J [| a @ A : ea ^ ea A | ea A a a ea A @ A [| : A ea E
J E O : a | A C F D | ^ Q | ^ A A @ A [| : A ea A | A @ A F | ^ ea . & ^ . A a A [~ } ea A : ea ^ e
F E J . ae | A @ Aa @ A ea A [| : A a a [, A d A | ea A @ ^ A @ A aed | ^ A a a [, A ae A ^ { [c^A a A
ca a] | ea ^ D A (ASM-JD-0052)



ASSEMBLY

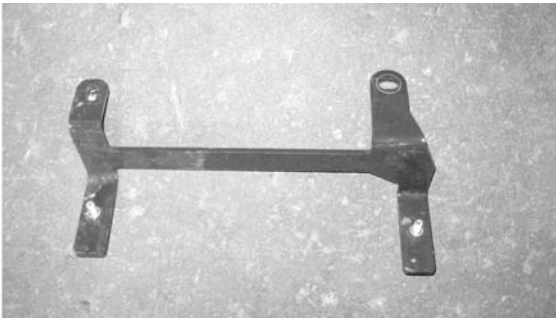
TIGER TUBE GUIDE INSTALLATION

Ó†!^Á@Áã^!Á æ†æ ^Áæ Á^Á•æ†^áÁ}ÁÖÍ FÍ ÉÍ T ÒÚÁæç!•É{ { ^Áç}•Áæ^Á^&•É
•æ`ÉÖÁ•ç[!ç}•Á Á@Á@æÁ @|áÁ^áÁ Á^Á{]|!æá Á{ [ç^áÁ{ { Á@Áæç!çÁç@é•çÁ
æÁç, }Á@Áçç•Á||, ÈV@Á ç!Áç[, Á@Á|æ{ ^}ç! Á@Á @Ö^!^Áæç^&!ç*Á@Á
]|^†|{ ^áÁ à•Á}}ç*Áç} *Á@Á@Áæ^Á Á@Áæç!ÈV@Á @Ö^!^Áæçç, }Áç|áÁÁ
!^|æ^áÁ æ@Á|çã^áÁ^!Áæç!ÈÍ FFIÍ ÈV@Á ç!Áç[, Áæç•ç ^}ç! Á@Á à^Áç}•É
V@Á^Á^&•æ^Á|Á@Á æ†æ ^Áæ Á^Á•æ†^áÁ æç`çææ æç*Á@Á à•É{ [ç^Á@Á @Á
Ö^!^ÁæççáÁ|æ^Áæç@Á^!Áæçç*Áç [Á|çã^áÁ|çÁÉÍ ÈÉÉ ÈÖÉ^!Á|æç*Á
ç@Á @Ö^!^Á à^Áæ^Á æç@Á^!Áæçç|æ^Áçç•ççæçç!áÉ(ASM-JD tube bracket)



PARTS TEMPORARILY
REMOVED FROM
TRACTOR EXHAUST

When removing heat shield parts from the tractor exhaust, save all hardware to re-install the heat shield after the John Deere tube bracket has been replaced



John Deere bracket to be replaced



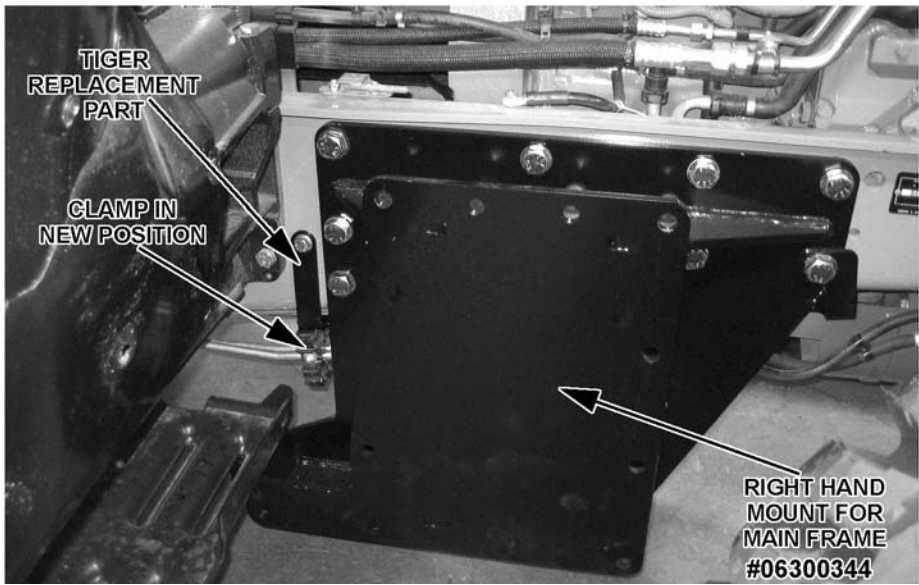
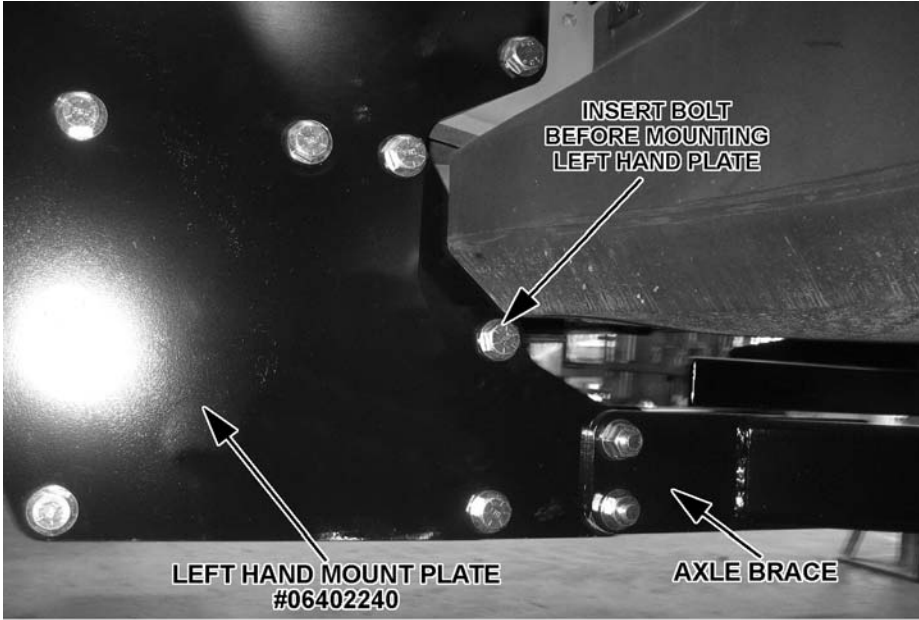
Tiger replacement bracket



ASSEMBLY

MOUNTING PLATE INSTALLATION

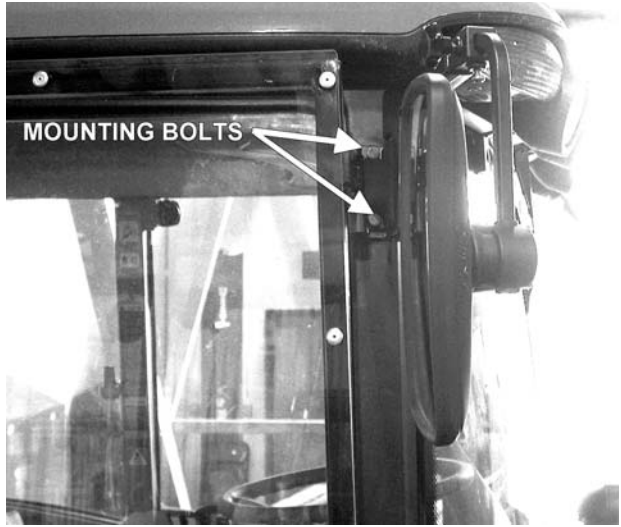
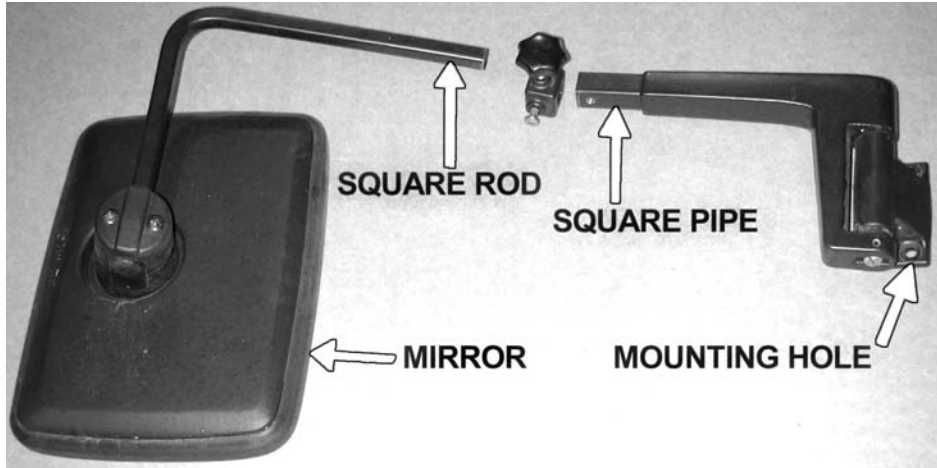
Ó^f|^Á•æð * Á@Áã @Á@ã áÁ [~ } ó|æ È| &æ Á@Á-Á@ã áÁ [~ } ó|æ Áã áÁ •æ|Á| |óÁ
ÀÉÍ HECHÍ Èã æ @!•ÁHHÍ Ì Èã áÁ ~ ÁÉÍ HFÉÍ Á@Á@ |^Á @, } Á@Á @ ç Á^| |, ÁÓÓÜÜÒÁ
{ [~ } ç * Á@Á|æ Á } Á@Áã&ç |ÈV@ } Á •æ|Á@Áã @Á@ã áÁ|æ Á ~óÁ [••à^æ ÈÁV@Á@ |^Á
à^ç ^^ } Á@Á-Á@ã áÁ|æ Áã á@Á&| ••à^æ Á @ ~ |áÁ æ&ç á@Á|^È •æ|^áÁ| |óÁ @ ~ |áÁ [Á
ó@ [~ * @Á@Á&| ••à^æ Á @ } Á@Á æ@Á^Á | ~ * @Á ~^@ |ÈV ~óÁ [@ |æ Á Á |æ Á •æ|Á@Á
|^ { æ á * Á | |óÁ æ @!•Áã áÁ ~ • ÈÁ (ASM-JD mount plate)



ASSEMBLY

SIDE MIRROR MOUNTING

Öã æ•^ { à|^Á@Áã @Áã^Áã ài[|Áãæ^ÉÖ~ ó@Á~ æ^Á[áÁã áÁã^Áã @, } ÁÁãç|^Áã
 à^|, DÁ ÉÉÉ-ÉÖÉ•^ { à|^Á@ { Áã *^@|ÉÉ [~] ó@Áã @Áã ài[|Áãæ^Áã áÁãã, æ^Á } Á@Á
 ~]|^Áã @Áã |} |^Á -Á@Áãæç |ÁãæÁ @, } ÁÁãç|^Áã^|, ÉÜ^~|^Á@Áãó Á^&ç } ÉÉ
 •æ^ç Á&^^ } ÉÁãÁ |Áãã, æ^Áã^ç ÉÁ (ASM-JD7220-0001)



MAINFRAME INSTALLATION

Y áóã Á ç^| @ãÁç á óã áÁã |Áãæ É çã á ÉÁã^Á } ^Áã^Á -Á@Áã ^Á] Áã @Áã ||^&ç^ Á
 { æ&ç * Á [~] ç * Áç|^ÉÖ•ç|Áã&•&^, •Áã áÁ @|^Áãã, æ^Á Á&|^Á@Áã^ Á -Á@Á
 { æã~æ ^Á Á@Áãæç |Áã ç * ÉÁã @, } Á } Á@Áãæç |Á [~] Ó çã æ^Á Á@Áãó Á^&ç } ÉÁ
 ÖÜÁUVÁã @ } Áã@Áã ^ÉÜ^ { |ç^Á@Áã&•&^, •Á } ^ÁãóÁã ^Áã áÁã ||^Áã@ÁãÁ & ç * Á
 æ^ } ÉÜ^ã •|^Á@Áã&•&^, •Áã áÁ @ } Áã |~^Á Áãæ^ Á [ç^Á@Áã|^Áã@Áã |~^Áã@Áã & ç áÁ
 @Áã ç } æ & Á^&ç } Á -Á@Á ç } æÉ (ASM-C-0003)



ASSEMBLY

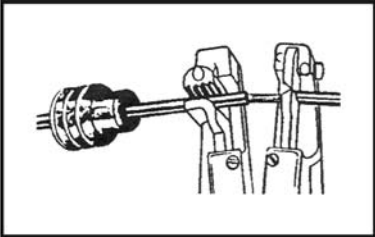
SWITCHBOX WIRING

Ú[, ^!Á:Á@Á, æ&@ [cÁ Á&&••^á@~ * @Á@Á [:cÁ &æ^áÁ } Á@Á@ Á^æÁ Á@ Á&áÁÁ
OÁ [@ Á^Á^Á | * Á Á•^áÁ æÁ { à!ÁÜÖÍÍÍ FÉÁÜÁ UVÁ } } ^&@Á | * Á Á@ Á&áÁ [:cÁ
~ } cÁ@Á áá * Á Á [] | ^cÁÉV@Á á•Á Á@Á | * Á Á [| :^áÜÖÉÁÖÁÁ áÁÜÖÉÁÖÁ
V@ÁÜÖÁ áÁ áÁ, æ•Á^ÁQ cÁ [Á Á^á•Á Á Á^Á } ^áÉÁ&@ } } ^&Á Á Á Á } áÁ
[-ÁÜÖÁ áÁ áÁ ^Á áÁ Á Á } Á Á -ÉV@ÁÖÁÁ áÁÜÖÉÁÖÁ áÁ Á^ÁQ cÁ @ } Á
cæÁ Á Á Á } ^áÁ Á Á } } ^&@ ÁÖÁÁ áÁ Á@Á | * Á Á@ ÁÖÁÁ áÁ Á [{ Á@Á
•, æ&@ [cÁV@ } Á } } ^&@ ÁÜÖÉÁÖÁ áÁ Á@Á | * Á Á@ ÁÜÖÁ áÁ Á [{ Á@Á, æ&@ [cÁ
IMPORTANT: In some cases the red and orange wires may be switched. **DO NOT** connect
cables to the wrong terminals. **DO NOT** connect
V@Á [ÁÜÖÉÁ áÁ Á •cÁÁ } } ^&@ Á Á Á^ cÁÁ æcÁ áÁ Á Á cÁ * Á Á^ cÁÁ
•æcÁ áÁ áÁ } } ^&@ * Á } ^ÁÜÖÉÁ áÁ Á } } áÁ áÁ@Á } } áÜÖÉÁ áÁ Á@Á
[cÁÁ^Á Á Á, æ&@ [cÁ&@ { æÁ áá * Á áÁ } } Á Á } } É
V@Á^ cÁÁ æcÁ áÁ Á [, } Á Á } } áÁ Á^ * Á | } } ÉÁ Á [cÁ Á@Á
á @Á áÁ Á } } } Á Á&&••ÉÁ ÖÁÜÁVÁ Á cÁ cÁ * Á á•É
cÁ Á } } ^&@ * Á@Á [, ^!Á Á@Á, æ&@ [cÁ | cÁ@Á @Á áÁ } * Á@ Á^Á Á
•, áÁ Á@Á [|] [áÁ cÁ Á (ASM-JD-0245)

WEATHER-PACK / METRI-PACK ASSEMBLY

V@•^Á•d~ &Á } •Á } | ^ Á Á [cÁ ^æ@:ÉÁ Á áÁ ^d Á Á } } ^&Á!•É

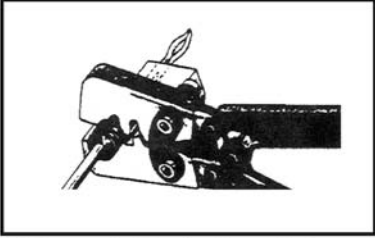
NOTE: Use the specific tool for the type of connector you are assembling.
(ASM-C-0009)



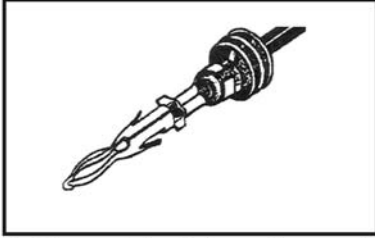
1. Apply seal to cable, before stripping insulation.



2. Align seal with cable insulation.



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



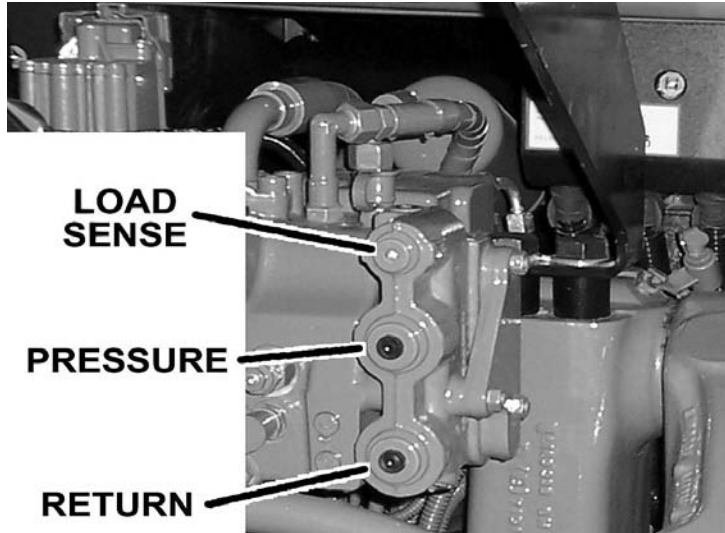
4. Crimp and visually inspect for a good crimp before installing in connector body.



ASSEMBLY

HYDRAULIC PORTS

V@•^Á[!o Ás^Á[&e^áÁs@ÁsÁ ÁoÁs&[!É] á^!ÁoÁsÁs^É @!^ÁoÁsÁs^Á
{ [\] q * Á!sá^Ás&@•Á[ÁoÁs&[!ÉV@Á[sáÁ^)•^Á[!oÁsÁ[Á[Éo} ÁoÁ[!••!^Ás áÁ
-q sá^ ÁoÁs^!} Á[!oÁsÁ @, } ÁsÁoÁs s^Ás^[[, ÉÁU^Á!Á[ÁoÁsÁoÁs^Ás&[} Á[!Ásááá} sÁ
q {!{ sáá} ÉÁ(ASM-JD60-7030-0004)



PRESSURE LINE INSTALLATION

V@Áoá!sá sÁ[!••!^Ás^Á[q!Ás^Á[{ àáÁs q ÁoÁsÁs^Á ÁoÁs&[!Á^ [c^Ás&[!É] &e^Á
oÁ[!••!^Á[!oÁ[ÁoÁsÁs^Á [c^Ás áÁ^ [c^ÁoÁ[! * Á^Á!Á[ÁoÁs^Ásá sÁU[!oÁ
q!•d sáá} Ás áÁoÁsÁoÁs^Ás&[} Ás^Ás^Á[!oÁ[!••!^Á[!oÁ[!É] c^ÁsÁ[! * ÁsÁ
!^ [c^ÁsÁs^Á[{ { Ásáá c^Á[!Á] } } ^&ÁsÁsÁ[!oÁ[!Á^ [c^Ás&[!Á[ÁoÁ
Vá^!Ás&[!É (ASM-27mmPRESSURE-0001)

RETURN LINE INSTALLATION

V@Ás^!} Ás^Á[q!Ás^Á[{ àáÁs^Á[ÁoÁ[!••!^Ás^Á[} ÁoÁs&[!Á^ [c^Ás&[!É] &e^Á
oÁs^!} Á[!oÁ[sáÁ^ [c^ÁoÁ[! * Á^Á!Á[ÁoÁs^Ásá sÁU[!oÁ[q!•d sáá} Ás áÁoÁsÁoÁs^Ás&[} Á
-!ÁoÁ[!••!^Á[!oÁ[!É] c^ÁsÁ[! * ÁsÁ^ [c^ÁsÁs^Á[{ { Ásáá c^Á[!Á] } } ÉÁ
P^Ás&[!É] } ^&ÁsÁsÁ[!oÁ[!Á^ [c^Ás&[!Á[ÁoÁVá^!Ás&[!É (ASM-27mmRETURN-0001)

LOAD SENSE LINE INSTALLATION

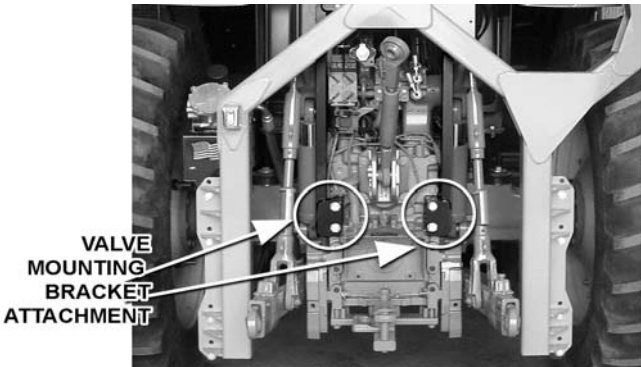
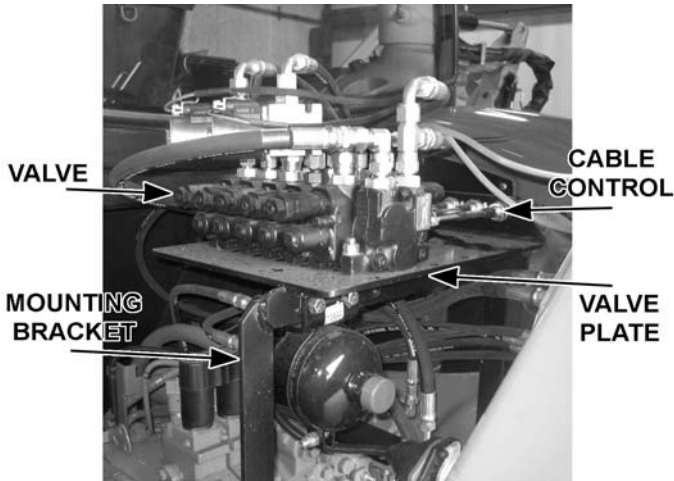
V@Á[sáÁ^)•^Ás^Á[q!Ás^Á[{ àáÁs q ÁoÁ[!oÁ[{ Á ÁoÁs&[!Á^ [c^Ás&[!É] ÁoÁ
P^Ásá sÁU[!oÁ[q!•d sáá} Ás áÁoÁsÁoÁs^Ás&[} Ás^Ás^Á[!oÁ[!••!^Á[!oÁ[!É] c^ÁsÁ[! * ÁsÁ
S[&e^ÁoÁ[! * Á[ÁoÁs&[!ÁsÁ^ [c^Á[!ÁoÁ[sáÁ^)•^Á[!oÁ[!É] c^ÁsÁ[! * ÉÁ[c^ÁsÁ
F! { { Ásáá c^Á[!Á] } } ÁsÁ^ ÁsÁ^Á[!oÁ[!Á^ [c^Á[!ÁoÁ[Vá^!Ás&[!É] ÉÁU^Á!Á[ÁoÁ
ÚsÁoÁs^Ás&[} Ás^Ás^Á[!oÁ[!É] [ááÁsáá sáá Á ÁoÁs&[!Á^ [c^Ás&[!É] [\] É
(ASM-14mmLOAD SENSE-0001)



ASSEMBLY

VALVE MOUNTING

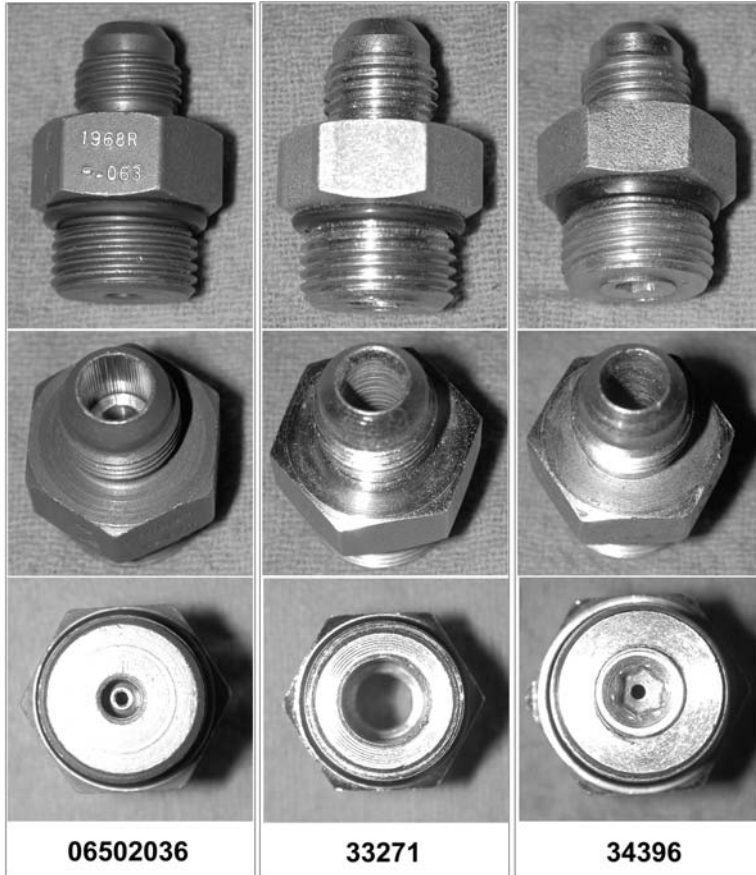
V@Á [~ } ç * Áiæá ^Á; ÁÖÁ cccÜÁ ^i á • Áææ d | • Áææ | ^ • Áç [Á] * Á * • Á @Á ^áÁ d Á ^ Áææ @ áÁ Á @ , } Á Á @ Á @ d Á ^ | , ÉÁ ^ & | ^ Á @ Áiæá ^Á Á @ Áiæá d | Á áÁ @áá æ ^ Á @ , } Á Á @ Áæ Á ^ & ç } Á Á @ Á æ ~ æ ÉÁ Á } Á @ Á @ | • Á ; Á @ Áæ | • Á } Á @ Á P • & Á [] d [| Á ç ^ Á Á á Á } c ^ Á @ Á @ ÷ • Á ç ^ Á } Á @ Á ç ^ Á | æ ÉÁ @ } Á ç } Á @ Á @ | • Á } Á @ Á ç ^ Á áÁ @ Á | æ Á @ | • Á á Á & | ^ Á @ Á ç ç ^ Á } Á [] Á Á @ Á [~ } ç * Á] | æ ÉÁ [~ c ^ Á @ Á @ áiæ | Á Á ^ • Á [{ Á @ Á ç ç ^ Á Á @ Á @ áiæ | Á & | á | • Á Á [c ^ Á } Á @ Á ç ç ^ Á æ ^ Á Á @ Áæ Á ^ & ç } ÉÁ • ç | Á @ Á [] d [| Áæ | • Á Á @ Á ç ç ^ Á áÁ @ Á { [~ } ç * Á | æ Á } Á @ Á P • & Á ç ^ Á ÉÁ } Á @ Á @ ÷ • Á ç ^ Á Áææ @ Á ^ & ç } d [| Á &æ | • Á (ASM-JD7X30-0001 JD6140R)



ASSEMBLY

NOTE ON HUSCO CONTROL VALVES

T æ ~ æ Æ æ \ ^ & } d [| | ^ a P ~ • & } & } d [| æ ç ^ D æ [{ { Á [, ^ i • Á ^ ~ a ^ & @ & } æ ç ^ • Á , æ ç ç ^ • i æ Á ^ • d æ ç ^ • Á i æ æ \ ^ & í € G H D æ • æ \ ^ a æ Á @ & } d [| æ ç ^ Á [| \ Á [| o Á @ æ Á æ ^ & } } ^ & ç a Á æ Á @ Á } æ a Á } a • Á - Á @ Á æ æ æ a Á ^ & } a æ ^ Á [{ { & } j a a ^ i • É Á @ & @ & Á ç æ ç ^ Á æ [, • Á æ Á Á ^ Á [, Á ç Á @ Á } æ a Á } a • Á - Á @ Á æ æ æ a Á ^ & } a æ ^ Á [{ { & } j a a ^ i • É Á @ & @ & Á a ~ o Á ^ • d æ ç Á [, Á ~ o Á - Á @ & } j a a ^ i • É @ \ ^ a Á [ç æ ç ^ • Á [| | ^ i Á [{ { & } } d [| É Á @ & @ & Á ç æ ç ^ É Á í € G H Á ^ } a [| Á F J I i Ü É É H D Á æ æ æ Á } ^ æ æ & Á Á @ • Á æ æ ç ç ^ Á Á H G F Á } a Á æ ç ç ^ i Á H H U i É æ ç ç ^ Á i æ æ É Á @ • Á & } { } [] ^ } o Á æ Á ^ Á ^ } ç a a Á æ Á { | | , • É æ a Á æ Á Á ^ Á æ • æ \ ^ a Á ^ i Á æ ç ç ^ Á & ç } Á [| Á @ Á æ ç ç ^ É Á (ASM-HUSCO-0001)

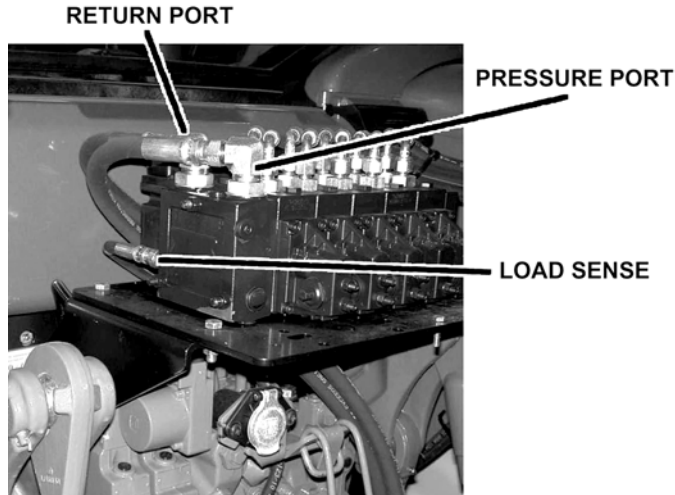


ASSEMBLY

ELECTRONIC LIFT VALVE PORTS

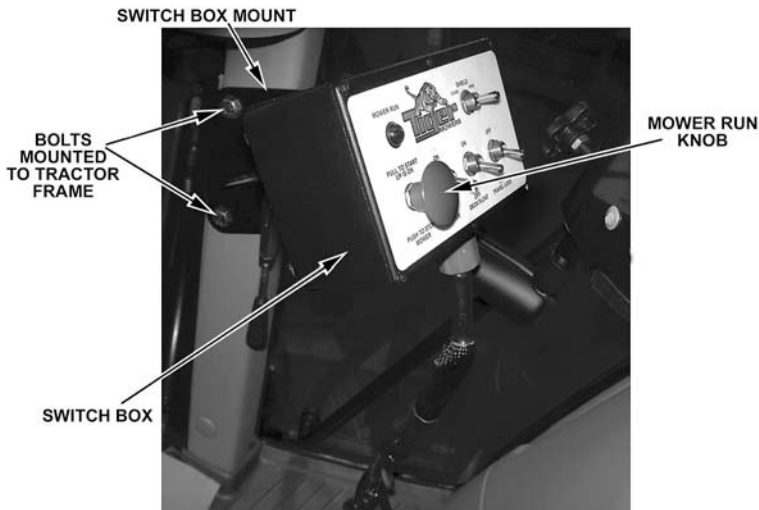
(ASM-C-0089)

DANFOSS VALVE



JOYSTICK SWITCHBOX MOUNTING

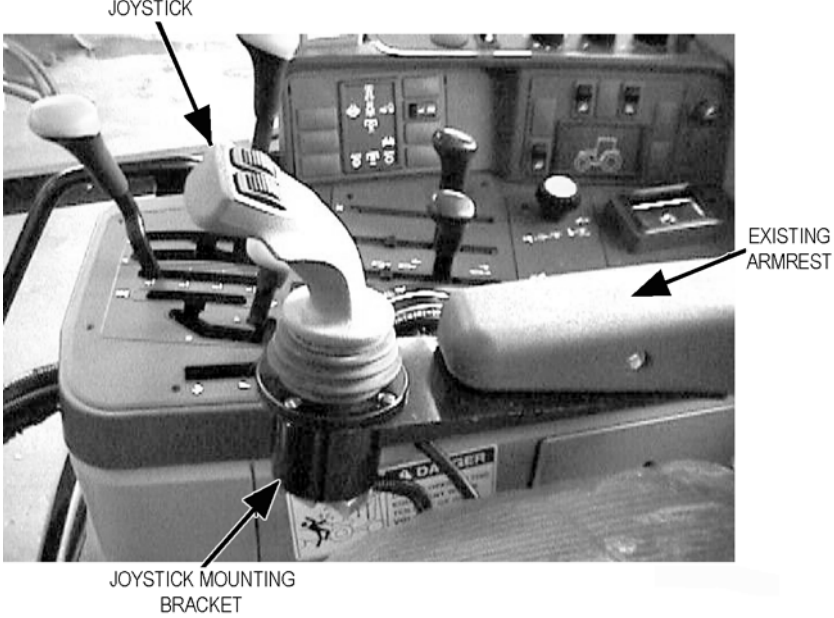
Š [é^A@Á; [Á@ |^•A@ Á@Áã @Á|] o& ;)^|^ Á-@ Á&ã Á;æ ^EÁV@•^Á q|Á^A@Á [^ } ç* Á
 @|^•Á;|Á@Á; [Á [^ } ç* Á[|o^ Á-@Á, &ã@ [çÁ;æ| ^EÁV^Á æç !^Á^| , EÁV [^ } o@Á
 à|æ| ^Á•q * Á@Áçã, æ^Á ^]] ã àEÁ [çãÁ @Áo Á^ &ç } E (ASM-JD-0081)



ASSEMBLY

JOYSTICK CONTROL MOUNTING

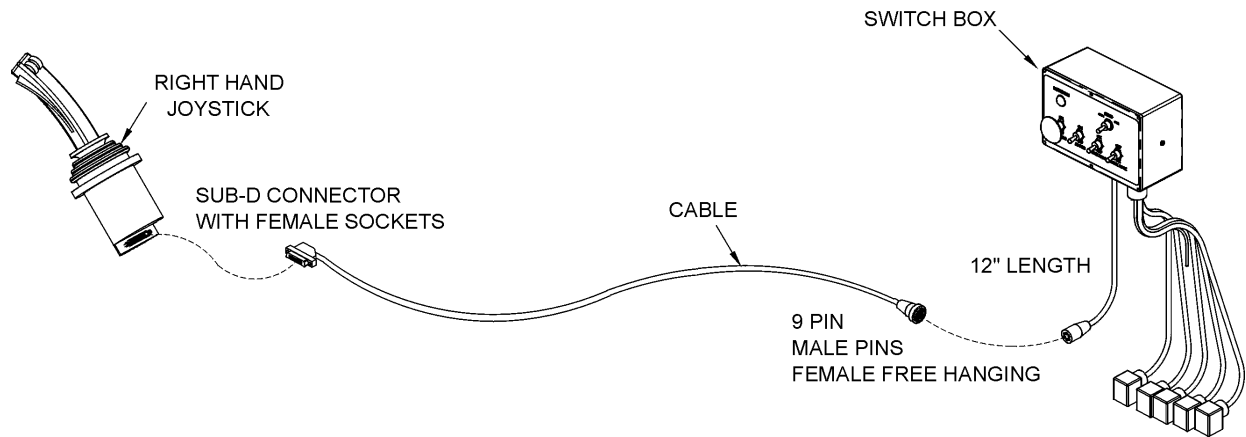
T [~ } cā * Ác@Áþ ~ cā Á& } d [|Á! ~ a ~ Ác@Áþ @ Áþ @Áþ { ! ~ cā ^ Á { [áāā áÁā } áÁā }
 āāāāā } āÁ!āā ^ Áāāā @ āÁ Áāā { { [āāā Ác@Áþ ~ cā ÁV@Áþ { ! ~ cā ~ ÁÁÁ { [çááÁ
 • |āā * Á ~ Ác@Áþ cā Á ç!Áā } áÁ { [çā * Ác@Áþ & Á, Á { { Ác@Áþ, ^!Áā @ÁāāÁ Ác@ÁāāÉ
 V@Á } āÁāā ^ Ác@Áþ { ! ~ cā [ÁÁÁ ÁÁÁ { [çááÁV } & Ác@Áþ { ! ~ cā ÁÁ { [çááÁV } āā
 c@Áþ ~ cā ÁQ |ā!Á } ā!Ác@Áþ { ! ~ cā [Ác@Áþ ā } āā } Á } Ác@Áþ ~ cā ÁÁ Ác@Áþ { ! ~ cā
 |ā!ÁÁ } Á āāāÁQ |ÁÁ Ác@Áþ { ! ~ cā!āā ^ cā @Ác@Áþ & Á, Á āÁāāāÁ Á āāÁc@Áþ ~ cā
 U } & Ác@Áþ ^ Áā } ÉÁ ā Ác@Áþ { ! ~ cā @!Ác@Áþ |Áā āāÁc@Áþ ~ cā Ác@Áþ { ! ~ cā
 ā!āā ^ ÉÁVÁV +ÁQ |ÁÁ ~ cā!Á! ā!āāc@Áþ ~ cā Ác@Áþ { ! ~ cā [Ác@Ác@Á!āā ^ Áā Á
 • ^ & !āāÉÁc@Áþ Ác@Áþ āāāVÁQ |ÁÁ Á! ā!āÉ } Ác@Áþ āāÁ Ác@Áþ { ! ~ cā Ác@Áþ |ÁÁ ~ cā
 & ÁÁ Áāā * ^!Áāā ^ c!Á } Á Ác@Áþ ^ cāÁ āā Ác@Áþ { ! ~ cā [Ác@Ác@Á } āÁ!āā áÁc@Áþ c
 & āÁāāā ^ áÁÁ Ác@Áþ & Á, Á @Áāā āÁā ^ Ác@Á!āā ^ ÉÁVÁV cāÁc@Áþ { ! ~ cā!āā ^ c
 [] Ác@Áþ { ! ~ cā āāāÁāā, āÁÁQ, } ÁÁ Ác@ÁþcÁÁ & cā } ÉÁV } & Ác@Á!āā ^ cā ÁāāāÉ
 ! ^ Éāāāc@Áþ { ! ~ cā Ác@Áāāā * ā * Ác@Áāāā * Áāā, āÁ! ^ cā ~ |ÁÁ { [çááÁV@ }
 ā * cāÁc@Áþ ~ cā ÁÁ Ác@Á!āā ^ cā āāāÁāā āāāÁāā āāā ^ Á & Á, ÁÁQ, } ÁÁ Ác@ÁþcÁÁ & cā } É
 Ü ~ cÁc@ÁāāācāçÁā āÁÁ { { Ác@Áþ, āāā [cÁc@Áþ ~ cā Ác@Áāāāāā āÁ ~ cÁc@Áāāā Á āā, É
 Ô [ç!ÁÁ āāā } āāāāā ^ ÁÁ āāāÁÁ!Áāā } • ÁÁ ^ Á & • āā É (ASM-JD-0082)



ASSEMBLY

BOOM JOYSTICK CONTROL CALIBRATION (FOR SABER)

SUB-D



V@Ä0æ { ••ÁÚXÖHG& } d| |çæç^Áã Á [, Á ~ ä] ^áÁ ã0Ä @:É^•[| çä] Áæç æ | • Á } ÁT æ
 Ó[[{ ÉU^& } áæ^ ÁÓ [[{ ÉÖ^& ÁÚ [||Éæ äÁÚ, æ^Á^ } &çä } • ÉÁV@ • ^Áæç æ | • Áçæ^Áæç^Áæ | c
 { [] æ | ä * +ÉÁV@ÄÖ^& ÁÚ@ | äÁ^ &çä } Áá [^•Á [^çæ^Áæç^Áæ | çä [] æ | ä * +ÉÁV@ÄÚ ^• çä Áá
 ~ } &çä ^ááæ äÁ | | çä ^• Áæçæ É ^ d æçä [çæ^Áä } æÉÁV@Ä^ d æçä } æçä [çæ^Á Áçæ^Á Á ÉÁ
 [- Áæçä | Á ~] | | Á | | çæ^ÁÉÖÇÍ Á Áä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä äÁ Á
 • ä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä Äç@ÁT æçä ÉU^ & } áæ^ Éæ äÁÚ, æ^ | Äçæç
 • ^ &çä } • ÉÁV@ÄÖ^& ÁÚ [| | Á^ } &çä } Áæç Á Áä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä
 æ äÁæç | Á Áä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä Äç@ÁT æçä ÉU^ & } áæ^ Éæ äÁÚ, æ^ | Äçæç
 • ^ &çä } • ÉÁV@ÄÖ^& ÁÚ [| | Á^ } &çä } Áæç Á Áä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä
 æ äÁæç | Á Áä } æçä [çæ^Á ä | Ä çæçä^Á] [| | Ä Á ||ÁçÉU | | çæçä Äç@ÁT æçä ÉU^ & } áæ^ Éæ äÁÚ, æ^ | Äçæç
 { [] æ | ä * Á^ &çä ^• Áæçä } æçä [| Äç@ÄÚ ^• çä Äçæç^Á • Äçæç Áí Á Á | Á | ^æ^ | Äçæç Áí Á Á | Á ~] | |
 ç [| çæ^Áç@Äæç æçä | Á ä | Áæç | çä ~ ç | Äæ äÁ @ çä [, } ÉÁç | | Áç@ | ^Á Áæç | çä } æçä æç | ^Á Äç@
 æç æçä | Á | Ááç@Ä | [| | Ä | | ~ ää } Áá Á^ ^æ^ | Äçæç Äçæç^Á ^ ää äÁ Áç@Ää } æçä [çæ^Á | [Äç@
 äç æçä | Äç | Á | ä | Áç@Ä | [| | Ä | Á ^ d æçä @ çä [, } ÉÁç | Áæçä^Áæç | çä& } áæçä } Áæç • ^ Äç@
 æç æçä | Äç | Á | ä | Áç@Ä | [| | Ä | Á ^ d æçä @ çä [, } ÉÁç | Áæçä^Áæç | çä& } áæçä } Áæç • ^ Äç@
 æç æçä | Äç | Á | ä | Áç@Ä | [| | Ä | Á ^ d æçä @ çä [, } ÉÁç | Áæçä^Áæç | çä& } áæçä } Áæç • ^ Äç@
 %|P+É Äç@Ä^• Äç@Äæ | çä [] æ | ä * Éæ äÁæç • ^ Äç@ÄçÖÁ } Äç | Á | Äç@Äæç æçä | Áá^Áç | ^ ^ } +
 æ æç É

CAUTION V@ÄÚ ^• çä Á& } d| |çæç^Áã Á [, Á ~ ä] ^áÁ ã0Ää } æçæçä çä } Á [çä] çä { ^ç | • ÉÁ

V@ • ^Á | | çæ^Áç@Äæç æçæç Äç Äç ääæ æç^ Áæç • Äç@Ä | Äç | , Äç Áæç@Ä [[{ Á^ } &çä] ÉÁç@Ä
 ä] | | çæç Äç@Ä | Äç [[{ Á^ } &çä } • Áá | Á | çäæç^Á | Áæç ÉÁç@Ä • ä^Áá [[{ Á^ } ^áÁæç Á^á^ & Äç@
 • çæçæç Ä | Äç@Ä | áæç äÁá&^æ^Á | ^æçä | Á& } d| |É

P [çä^ÁV^ÁáÚ @ | ä | Á & ^ , ä | ä | Áæç äÁá^ | ^ Áç Áæç • Äç@Ä & ^ , • Áæç ~ || ^ÁçÖUÁUVÁç | }
 ç@Ä | çä] çä { ^ç | • Áá^ [] ááç@Ääç] ä * Á | ä çä [çä] çä { ^ç | • Áá^ | ^ Áá | Áæç^Áá^ | } ä * Äç@Äç-
 [| Äç@Ä | | çä] çä { ^ç | • Áá^ | & , ä^Áá&^æ^Á • Äç@Ä | Äç | , Äç Áá&^æ^Áç@Ä | [[{ Á^ } &çä] Á^ äÉ
 æ äÁç | } ä * Äç@Ä { Áá^ } çä | & | & , ä^Áá&^æ^Á • Äç@Ä | Äç | , Äç Áá&^æ^Áç@Ä | [[{ Á^ } &çä] Á^ äÉ
 Ú^Ááç@Ä | äç @Ä | Äç@Ä | Äç@Ä , Áæç • Á | Áç@Ä | Áááç • çä * ÉÁV@ÄÖ^& ÁÚ [| | Á^ } &çä] ÁçÉU | | çæçä



ASSEMBLY

MAIN BOOM: %GEÁU[:dÉÖ[[{ ÁWUK ì È€Á^& } á•

(Note: Extend secondary boom completely; roll deck to be level with ground, and lower main boom until deck is on ground. Now index main boom “up” function and determine the time required for main boom to rise completely.)

%GÁÚ[:dÉÖ[[{ ÁÖ[, } K ì È Á^& } á•

(Note: Extend secondary boom completely, roll deck to be level with ground, and raise the main boom to “full up”. Then index the main boom “down” function to determine the amount of time required for the deck to contact the ground. CAUTION: Stop the boom just as the deck contacts the ground.)

SECONDARY

BOOM: %GEÁU[:dÉÖ[[{ ÁÚ~ dK ì È€Á^& } á•

(Position main boom full up, roll deck out until deck cylinder is fully retracted, and bring secondary boom in completely. Then index the secondary boom “out” function and determine the time required for boom to extend out completely.)

ÁÁ

%GÁÚ[:dÉÖ[[{ ÁQK ì È€Á^& } á•

(Position the main boom full up, roll deck out until deck cylinder is fully retracted, and extend secondary boom completely. Then index the secondary boom “in” function and determine the time required for boom to come in.)

DECK ROLL: %GEÁU[:dÉÖ^& ÁÚ~ dK ì È Á^& } á•

(Raise main boom to vertical, extend secondary boom out slightly so that deck can be articulated without contacting the main boom, and roll deck in until deck cylinder is completely extended. Then index the deck roll “out” function and determine the time required for the deck to roll out.)

%GÁÚ[:dÉÖ^& ÁQK ÁÚ~ dK Á È Á^& } á• ÁÚ~ dÖUÁ~UVÁ•^ÁŠá áÚ&^, D

(Raise main boom to vertical, extend secondary boom out slightly so that deck can be articulated without contacting the main boom, and roll deck out until deck cylinder is completely retracted. Then index the deck roll “in” function and determine the time required for the deck to roll in.)

BOOM

SWIVEL: %GEÁU[:dÉÖ[[{ ÁCEK FFÈHÁ^& } á•

(Extend booms completely; rotate head to be level with ground, lower main boom until deck is just above ground, and swivel boom full forward. Then index the boom swivel “aft” function and determine the time required for the boom to swivel full aft. Use caution when doing this, stop boom before main boom contacts tire.)

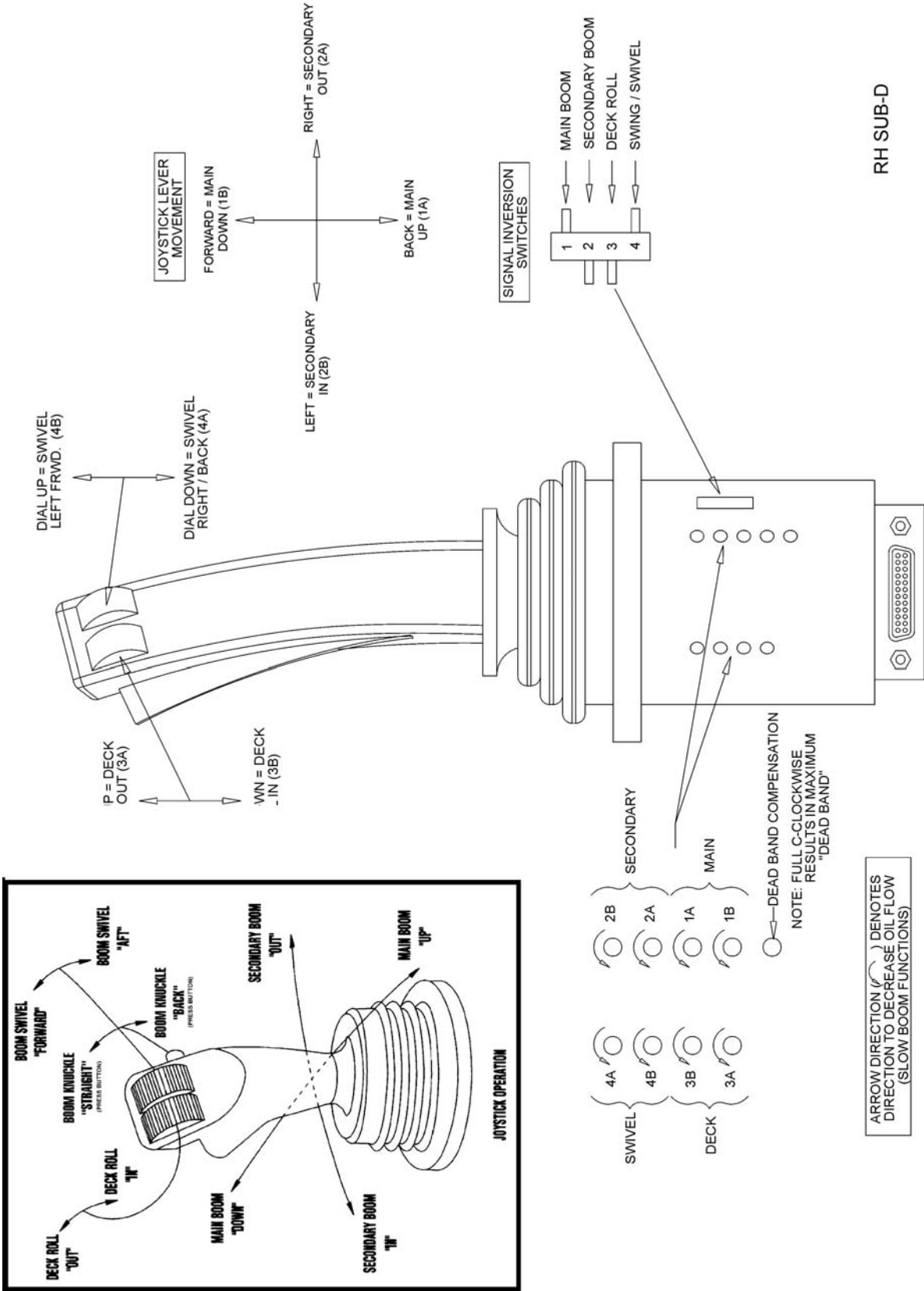
%GÁÚ[:dÉÖ[[{ ÁQ[, ááK FFÈHÁ^& } á• Á

(Extend booms completely, rotate head to be level with ground, lower main boom until deck is just above ground, and swivel boom full aft and until near tire. Then index the boom swivel “forward” function and determine the time required for the boom to swivel full forward.)



ASSEMBLY

(ASM-DF CALIBRATION SBR-0001)



RH SUB-D



ASSEMBLY

SABER SWIVEL BRACKET MOUNTING

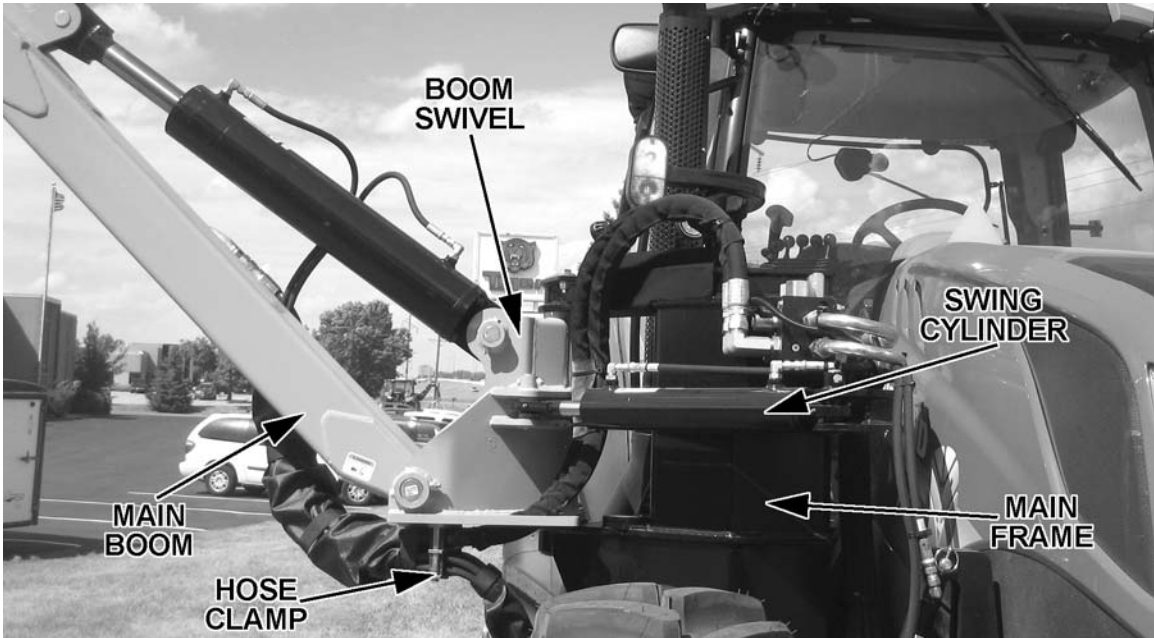
NOTE: The head of the capscrew must be toward the front of the tractor.

1. Attach the swivel bracket to the boom using the provided hardware. Tighten the capscrews to the specified torque.

2. Connect the hydraulic lines to the swivel bracket. Use the provided hose clamps to secure the connections.

3. Verify that the swivel bracket is properly aligned and that the boom can move freely through its full range of motion.

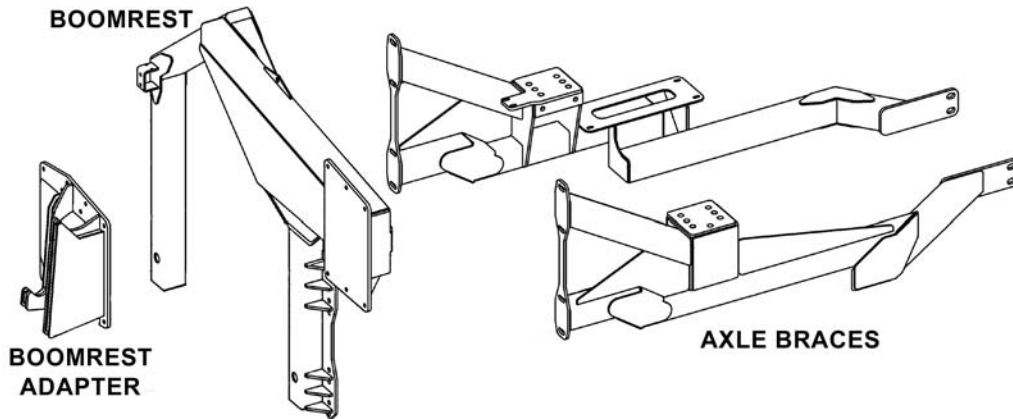
4. Refer to the assembly manual for the specific torque values and safety precautions. (ASM-C-0027 T4 swivel saber)



ASSEMBLY

RS AXLE BRACE MOUNTING

ÁV@Á^æÁç, Áæ|ÁíæÁ^Áæ|Áí Á^Á [~ } çáÁ } á!Á@Á^æÁæ|Áí Á@Áæç |ÉÁV@Á ç@!
^ } áÁ Á@Áæ|ÁíæÁ^Á [~ } çÁ } Á@Á ~ çáÁ Á@Á, ^!Á^æÁç | } ^! Á Á@Á æç +æ ^ÉÁÇ!
ææç@ * Á@Á [[{ !^ çÁ @ ~ |áÁá@ ç| Áæ áÁç|Á } á!Á@Áæç |ÉÁÇæç@ Á@ Áæ|ÁíæÁ^Á ç DÁ
ç@Á æç +æ ^Á æçá, æ^Á ç, } Á@Áæç Á^æç } Áæ áÁç @ } ÉÁÇæç@ Á@ Áæ|ÁíæÁ^Á
ç@Á^æÁæ|Á^ ç * Á@Á [~ } çáÁ ç, æ^Á ç, } Á@Áæç Á^æç } ÉÁ çÁUÁUVA ç } ÉÁ



SABER BOOMREST MOUNTING

Óæ~| Áæ^Á@Áæ|Áí [[{ !^ çÁ áÁç } Á@Áç |^ Á æç@^Á Á@Áæ|ÁíæÁ^Á ÉÁ [,
ç ç|Áæç@ * Áçá, æ^Á ç, } Á@Áæç Á^æç } ÉÁ [!^ ÉÁ Áæ|, Á!Á@Áç } { ^ } ç
, æç@Á^ ç áÁç @ Áæ|ÁíæÁ^Á ç } ÉÁ | ~ ^Áæçá, æ^Á } Á@ ÁíæÁæç áÁ@Á [[{ !^ ç
ç æç ÉÁ áÁ@ Áæç ç!Á Á@Á [[{ !^ ç (ASM-JDBOOM-0001_6145-55 Saber)

DECK ATTACHMENT

V@Á ç| Áæ^ { á! Á Á^áÁ Áæç@Á@ Áæç|Á@Á^æç } áæ Á [[{ ÉÁ ç ç|Á@Á^æç Á ç [ç
& |á á!Á^ ç * Á@Á ç Áæ áÁçá, æ^Á ç çÁ Áæ| ~ çæ áÁ@Á [{ [] Á^æç } É

Ó [] ^æç@Áæç * Áæ áÁç ^Á [[Á@Á ç| Áæ |á á!Á Á@Á { ç|Á^ç | { ^áÁ^ á^Á } Á@
á [[Áæ { ÉÁ }] ^æç@Áæç * Áæ áÁç ^Á [[Á@Á [ç |Á Á@Áæ^Á |^ç | { ^áÁ^ á^Á } Á@
á [[Áæ { ÉÁ }] ^æç|Á { æ ç * Áç ^Á [[Á@Á] ç |Áæç^Á Á@Á ç |á á!Á áÁ |Á |^ç | { ^á
ç á^Á } Á@Á [[Áæ { ÉÁ ^Á |Á Á [{ [] Á^æç } Á!Áæç |æ • É (ASM-C-0018)



ASSEMBLY

MAIN BOOM INSTALLATION

1. Attach the main boom to the support structure using the provided hardware. Ensure the boom is level and secure.

2. Verify that all connections are tight and that the boom is properly supported.

3. Grease the hinge pin zerk on the boom after assembly, once under load with the boom elevated, and again at rest with the boom supported.

GREASE HINGE PIN ZERKS ON BOOM AFTER ASSEMBLY, ONCE UNDER LOAD WITH BOOM ELEVATED, AND AGAIN AT REST WITH BOOM SUPPORTED. ASM-C-0013



ASSEMBLY



OPERATION SECTION

UJ ^!aa } ÁU^&a } ÁE

OPERATION

TIGER BOOM MOWER OPERATING INSTRUCTIONS

OPERATION

Va^i^A^O[[{ •Ae^A^ e^ ~ eac^ i^a^A^ a^A^ a^c^ A^ ae^ i^ae^A^ A^ a^i^a^A^ [[i^i^•EAV@A^O[[{ A^ A^•a^ }^a^A^ A^aeae^O^ A^e
d^ae^d^ i^A^ a^A^]^i^ae^A^ca^a^ ~•A^@ae^•A^ i^A^e^ a^i^A^ a^*^A^ A^c^*^A^ae^A^ ae^ e^ }^ e^ &^A^e^]^|ae^e^ }•EAV@A^[[{ A^e^ a^
@ae^•A^e^A^~ }^ a^i^a^A^ a^O^ ae^c^ A^ ae^ }^ a^*^A^&e^ E^]^| e^&e^A^A^ i^&e^ i^•E^ @^|a^•E^e^ a^A^ @^|A^ ae^c^ A^ ae^ i^•A^c^
]]^| c^ae^A^]^i^ae^ i^A^ a^A^ ae^•i^a^ A^ i^| e^&e^ }^ E^Q, ^c^i^E^]^ A^ @^|a^a^ *^ A^ FEEA^ A^e^&^ i^ae^ E^OESSA^ ae^c^ A^~ }^ { ^ }^ o^e^ a^
•ae^c^ A^ ae^ }^ a^*^A^&e^ A^ ~•o^A^ ae^ ae^ a^a^A^ }^ A^@A^ }^ a^A^ A^[[a^A^]^i^ae^ }^ ae^&^]^ a^a^ }^ A^e^e^|A^ A^•E

Q^A^ A^c^@A^]^i^ae^ i^q^A^•]]^•a^ae^ A^c^ A^A^]]^,]^a^*^ae^|A^ A^c^|A^]^ e^ }^ ae^A^]^i^ae^ *^A^e^ ae^a^•A^e^ a^A^ A^c^ ae^ A^c^i^
i^ae^]^ }^ ae^|A^ i^&e^ e^ }^ A^c^ A^ }^ i^A^ }^•i^•E^ c^o^|•E^e^ a^ ae^ E^e^ a^A^]]^ i^c^ A^e^A^]^ o^e^ b^ i^a^A^ i^A^ae^ ae^ a^A^ A^ A^c^
a^[[{ A^ }^ a^E^ ae^d^ i^A^ i^A^e^O^]]^ }^ A^ a^b^&e^ E^O^ A^]^ o^e^]^i^ae^ A^@A^[[{ A^e^ a^A^ae^&@a^A^@ae^A^ A^•ae^ a^i^•E^ ae^•i^•a^E
]]^ o^A^ i^A^c^•d^ &^ A^e^A^ a^O^ A^EEA^•o^ A^@A^ }^ a^E

V@A^A^&e^ }^ A^ A^@A^]^i^ae^ i^q^A^ e^ }^ ae^ A^ A^•a^ }^ a^A^ A^e^ a^ae^a^ E^e^•d^ &e^e^ a^A^ a^ ae^A^]^i^ae^ i^•A^ A^@A^ ae^A^ a^
]]^]]^ i^A^•A^ A^c^@A^[[{ A^e^ a^A^ae^&@a^A^@ae^E^U^e^c^ i^•A^&^ }^ ae^ a^a^ A^ A^c^ A^&e^ }^ A^e^ A^e^ e^ }^ a^a^A^ A^ A^•A^ A^e^ A^e
c^a^~ ae^A^ae^ A^e^•a^ o^e^ A^c^]^ ae^ a^*^A^@A^]^i^ae^ }^ A^ A^e^O^[[{ A^e^ a^A^e^A^]^ o^e^]^i^ae^ A^e^O^[[{ E^U^]^ { ^ }^ A^c^ i^•A^ ae^
•Q, A^ @^|a^•A^ }^ [c^A^A^ A^ }^ @e^ &^A^e^~ ae^&^ae^ E^A^ OXOU^]^i^ae^ A^@A^[[{ A^ }^ a^A^ a^Q~ o^e^|A^ ae^c^ A^~ }^ { ^ }^ o^e^
]]^ ae^ A^e^ a^A^ A^]]^ a^A^]^i^ae^ }^ ae^ A^ &^]^ a^a^ }^ EAV@A^]^i^ae^ i^A^ ~•o^A^A^ ae^ a^ae^ A^ a^O^@A^[[{ A^ }^ a^A^ ae^ a^A^ae^d^ i^
]]^i^ae^ }^ A^e^ a^A^|A^ ae^c^ A^ i^ae^ae^•A^ i^|A^ A^*^a^ }^ a^*^A^]^i^ae^ }^ E^U^]]^ i^A^]^i^ae^ }^ E^e^ A^e^ ae^ a^A^ A^c^ A^ e^ }^ ae^E^ a^
@^]]^ A^ }^•i^A^ ae^•A^ A^ ae^ A^e^ a^A^ ae^ ae^d^ i^•A^•A^ A^c^@A^[[{

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. Q^A^]^•A^ i^A^]^ o^e^ }^ a^i^•ae^ a^A^e^ }^ A^ A^c^|A^•d^ &e^e^ }^ E^e^]^ ae^o^A^]^ i^A^ ae^•A^e^ o^e^ @^|a^ a^A^ A^ ae^ i^A^ i^A^e
~]]^ A^c^]^ ae^ ae^ }^ E^U^ ae^ A^e^]^•A^ae^ }^ e^ }^ A^c^ A^e^|A^ ae^c^ A^ a^ }^•A^e^ a^A^ ae^c^ A^ A^•ae^ A^•A^e^ }^ ae^ a^a^ A^ A^c^ A^ e^ }^ ae^A^ a^
c^Q^•A^e^ a^A^ A^c^|A^]]^ { ^ }^ o^e^ a^A^ ae^d^ i^E^A^OPS-U-0001)

ÜÖCÖEAVPÖÖUUVCPÖE^e^ a^A^UŠŠUY A^c^|A^]]^, a^*^A^ae^c^ A^ A^•ae^•E^U^ i^a^~•A^ b^ i^ A^ i^
a^ae^O^ ae^ A^ &e^ i^A^]]^••A^e^ A^ A^e^ }^ A^c^]]^, A^c^|A^ ae^ }^•A^e^ a^A^•d^ &e^ }^•A^e^ a^A^ A^c^
Üae^c^ A^ A^•ae^•E^U^, ae^•A^•A^[[a^A^]]^ { []^ A^ }^•A^c^ A^e^]^ a^A^e^ ae^a^ E^U^OESSA^

SAFETY INSTRUCTIONS



PELIGRO

Ua^]^ A^ A^•A^]^•E^ a^ae^ a^ae^e^~ a^ }^ A^ A^c^|A^ A^ ae^ ae^ A^ A^c^ ae^ : &e^e^
{ ^ a^ae^ A^ A^•A^~ i^ae^ E^U^OESSA^

LEA EL INSTRUCTIVO!



Ö[[{ U]^i^ae^ }^ A^ A^&e^ }^ A^ E^G

OPERATION

1. OPERATOR REQUIREMENTS

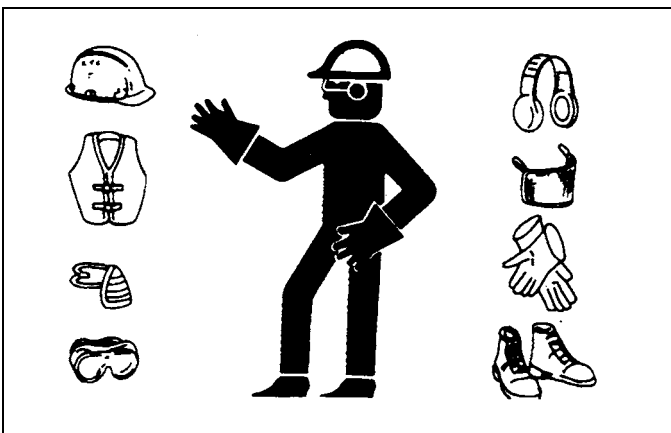
Ùæ^Á] ^ìææ } Á-Á@Á } ãÁ Á@Á |^•[] • ãáá Á-Áæ~ æáá áÁ] ^ìææ |ÉÁÓÁ~ æáá áÁ] ^ìææ |Á@Á ^æáá á
 ~ } á^•æ } á-Á@Á] |{ ^ } óæ } áÁææç |ÁU] ^ìææ |çÁÆ æ } æ Áæ } áÁæ Áæ |{ } & áÁæ Áæ] |{ ^ } óæ } áÁææç |
 [] ^ìææ } Áæ } áÁæ |Áæ • [&ææ áÁææç Á |æææ • ÉÁÓÁæááá } Áç Á@Áææç Á ^••æ ^•Áæ } æáá áÁæ Á@Á æ } æ
 •ææç Áæ } • Áæ^ÁæææáÁç Á@Áæ] |{ ^ } óæ } áÁææç |ÉÁÓÁæ } Áæ çÁç Á@Á] ^ìææ } Áæ } áÁææÁ •^Á-Á@Á
 ^~ á { ^ } óæ Á | óæ { | ^ç | Á } á^•ç [áÉæ] • | óæ } áæ ç | á áÁæææáÁæ | Áææ { | ^ç | Á } æææ } É

ÇÁ@Á] ^ìææ |Áæ } [óÁæá@Á æ } æ Á | Á@Á { •^ç^•Á | Á | Á | óæ { | ^ç | Á } á^•æ } áÁ@Á] ^ìææ } Á-Á@Á
 ^~ á { ^ } óæ Á Á@Á • [] • ãáá Á-Áæ~ ^ìçá [|Áç Á^æááá } áÁæ] æ Á@Á æ } æ Éææç Á |æææ • Éæ } á
 [] ^ìææ } Á • ç &ç } • Áç Á@Á] ^ìææ | É

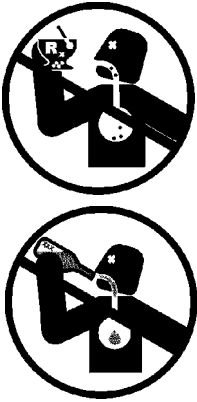
Ùæ^Á] ^ìææ } Á-Á~ á { ^ } óÁ~ á^•Á@Á@Á] ^ìææ |Á ^æáá } | çáÁÁ^• [] æÁU | ç&ç^ÁÖ~ á { ^ } óçUÓÜ
 ç | Á@Áæ áÁæ } • Á @ } Áææç@ * É] ^ìææ } É | ç&ç * Éæ } áÁæ } æáá * Á@Á~ á { ^ } óÁUÜÖÁæ Áæ } áÁæ
] | ç&ç^Á] ^ìææ | Á | ç&ç } Áæ } áÁæ & } á^•Á@Á] | , á * Áææç Á ^æK

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- ~ Çæ æ^Á ^æÁææç ÁÖ | æ • •
- ~ PæáÁææ
- ~ Ùç^Á | Á | ÁUææç Áç | ç ^æ
- ~ Ö | ç^•
- ~ P^æáá * ÁU | ç&ç }
- ~ Ö | •^Áæáá * ÁÖ | çæ *
- ~ Ù^•] áææ | Á | ÁÖç | Áæ \ Áç^ ^ } á^• Á } Á
 [] ^ìææ } Áæ } ááá } • DÁ (OPS-U-0002)



ΠΟΧΟΥΑ^•Áæì^••Á | Áææç @ | Áæ { ^áææ | Áæç | ^Á | Á @^Á] ^ìææ } Á@Á
 V | æç | Áæ } áÁæ] |{ ^ } óÁÖì^••Áæ } áÁæ ææç @ | Áæ | Áææ^&ç } Á] ^ìææ | ç
 æ^ç ^••Áæ } áÁæ [| ááæææ } Áæ } áÁæ | ^ç | Áææ&ç@Á] ^ìææ | ç Áæááá Áæ
 [] ^ìææ Á@Á~ á { ^ } óÁææ | ÉÁÖç | ^Á] ^ìææ } Á@Á | æç | Á | ÁQ] |{ ^ } óæ
 æ } Á] ^ìææ | Á } Á | ^• & á ç } Á | Á ç | Éç @ Éæ } ç | Á ^ááæææ } Á ~ óæ } • | ç
 æáá áááæç | | ^••á } æÁ^• æááá * Áæ } Áæ^Áæ&ç Á-Á@Á ^ááæææ } Á@Á
 , [^ | áÁ@Á á^•Á@Á çáááá Áæ Á] ^ìææ Á@ÁÖ~ á { ^ } óÁææ | ÉÁΠÓΧÓÜ
 \ } , á * | Áæ | , Áæ ^ | ^Áæ Á] ^ìææ Á@Á~ á { ^ } óÁ @ } Á@Áæç | ç^••Á |
 & [| ááæææ } Áæ Á] æáááááá } • Áæ | ^Á | Áæææç Á@Á] ^ìææ | Á | Á ç |
 & } | áÁæ~ | óÁ@Á] ^ìææ | Áæ } áÁæ@Áæç ^ } & Áæì^••Á | Áæç @ | ÉÁÖÈÈ D

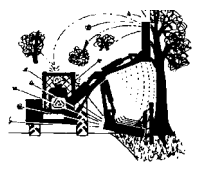


OPERATION

OPERATION



P^ç^!A] ^!æ^A@AV!ædq |Aæ) àAT [, ^!AV) àA) àQ ~^æ) AUUUQU] ^!æ] |
 Ú! [ç^&ç^AÚd ~&c |^DÁ |ÁOææÁç |Á |^ç^) ç) b | ^Á [{ Á àb &ç^ Áç [, } Á [{
 * | [^) àÁ |Á [{ Á ç^ | @ææÁç { ç * ÉUç] Á [, ç * ÁÁ [| \ ^ . Á | Á æ . ^ | . à
 æ^ Á àç) ÁÉÉÁ^ ç) ÉÉÉÉÉÉ



2.3 Tractor Lighting and SMV Emblem

Q^@^Áædq |Á ç|Á^Á] ^!æ^àÁ^æÁ |Áæ^ |Á^) Áæ
] ~ à|Á [æ, æ ÁæÁ ~ . ç^Á^ ~ ç] ^áÁ àç) | [^!
 , æ) ç * Áá ç) * Áæ) àÁæU [, Á [ç) * Á^ ç) Á^ ÇUT XD
 ^ ç à | { Á ç) ç) Á^æ | Áç) à | Á [{ Áç) Á^æÁ ~
 ç) Á) àÁ [. ç) ædq | ç) Áç) Áæ^Á^) ç^ ç) * Á |
 [] ^!ææ) * Áæ) àÁç) . [| ç) * Áá ç) * ÉÁ^ ^ Á | Á ç)
 dædq | Á [] ^!æ | ç) ç) ç) Á | Á . ç) * Áç) Áçdq | ç)
 | ç) ç) , àç) ç) àÁ] ^!ææ) * Áç) Á | Á ç) ç) É

OPS-B-0017



OPERATION

Ó [{

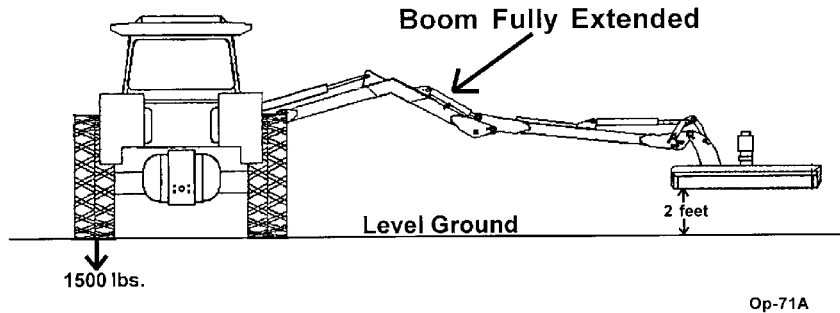
U] ^!ææ) Á^&ç) ÁÉ

OPERATION

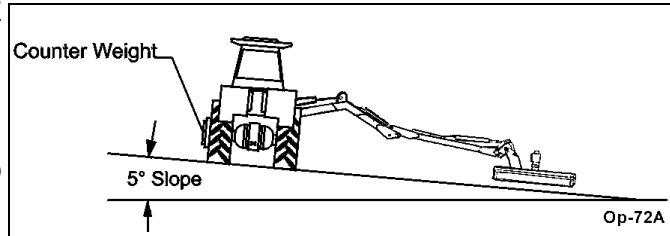
2.4 Tractor Ballast

When operating the tractor with the boom fully extended, the counterweight must be properly adjusted to maintain stability. The counterweight should be set to 1500 lbs. on level ground. On a 5-degree slope, the counterweight should be adjusted to compensate for the weight of the tractor on the incline. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope.

OPERATION



When operating the tractor on a 5-degree slope, the counterweight must be adjusted to maintain stability. The counterweight should be set to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope. The counterweight should be adjusted to 1500 lbs. on level ground and 1500 lbs. on a 5-degree slope.



3. GETTING ON AND OFF THE TRACTOR

When getting on and off the tractor, the operator should use proper technique to avoid injury. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely.

WARNING

When operating the tractor, the operator should use proper technique to avoid injury. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely. The operator should use the steps provided on the tractor to get on and off safely.



Op-71A

Op-72A

OPERATION

OPERATION

4. STARTING THE TRACTOR

V@Á] ^iæ |Á ~ • Á@æ^Áæ [] | ^Á } á^i • æ ää * Á -Á@Á |æ { ^ } &ç } Èæ äÁ] ^iææ } æÁ • ^Á -Áæ |
dæç |Á [] d | • Á^ | ^Á æç * Á@Áæç | ÈÁ^ç ä, Á@Áæç |Á] ^iæ | çÁ æ ~ æÁæ äÁ [] • | çæ Áæ ç | ä^á
á^æ^Á |Á |Áæç |Á] ^iææ } / • d ~ &ç } • Á^ ^á^áÈ

Ö • ^ } æÁ |æç |Á [] d | • K

- " S | æ Á@Á } ä } Á^ È, æ&@
- " S | æ Á@Á } * ä^Á @ ç -Á [] d |
- " S | æ Á@Á @ ä |æ |æ [] d | |Á^ç^i • Á
- " S | æ Á@Á @ Á } d | |Á^ç^i
- " S | æ Á@Á |æ^Á^áæ ç äÁ } &ç
- " S | æ Á@Á VUÁ [] d | |Á
- " S | æ Á@Á | [ä^Áæç] d | |Á^ç^i
- " S | æ Á@Á [[Á] ^iææ * Á [] d | |Á^ç^i • æ Á |Áæç^Áæ } \ D

Ö - | ^Áæç * Á@Áæç |Á } • | ^Á@Á [] , ä * Á

- " Ö [] ä ~ &ç |Á |ÁÈ çç | ^iææ } / • ^ &ç } Á äÁ |çæ^Áæç | ää * Á Á@Áæç |Á] ^iæ | çÁ æ ~ æÁ
- " T æ^Á ~ | ^Á | ^Á æ ç ä • È @ | ä • Èæ äÁ @ |Á æ ç Á^çæ • Á^Á^ & | ^ | / Á |æ È
- " V@Á æ ä ä * Á |æ^Á } È
- " V@Áæç |Áæ } { ä • ä } Á^ç^i • Á^Á |æ |Á^ dæÈ
- " V@Á [[Á] ^iææ * Á [] d | |Á^ç^i Á@Á^ dææ äÁ -Á [• ä } È
- " V@Á VUÁ [] d | |Á^ç^i Á^á^ } * æ^áÈ
- " V@Á @ ä |æ |æ [Á [] d | |Á^ç^i • Á^Á Á@Á^ dæÁ [• ä } È

Ü^ - |Á Á@Áæç |Á , } ^i çÁ æ ~ æÁ |Áæç |Áæç * Á [&á^ | ^ • ÈÁ] | ^Á çç Á@Áæç |Á @Á^Áæ^áæ ä
á | ç^á Á@Áæç |Á] ^iæ | çÁ^æÈ^ç^i Á^ } æ • Á@Á } ä } Á, æ&@ Á @ | ç&æ ää * Á@Áæç |Á [] [äÈ
Öç |Á@Áæç |Á } * ä^Á^ } } ä * Èæ [äÁæ&á^ } çç } çç, ä@Á@Áæç |Áæ } { ä • ä } Á |Á^ç^i ç^ áá^ }
æ äÁ^ ç^ ^ &ç^ áÁæç |Á [ç^ { ^ } È OPS-B- 0003



Á^ç^i Á^ } Á@Áæç |Á } * ä^Áæ Áæ [• Á^á^ ää * Á |Á æ ç ~ çæ^ ~ æ^Á^ } çææ } ÈÁV @
^ çç • Á^ { ^ • Áæ Á^Áæ çç ä [~ • Á |Á^ |Áæç^Áæ



Ü çç Áæç |Á] | ^ Á @ } Á [] | ^ | Á^æ^áæ Á@Áæç |Á^æÈÁæç * Áæ
dæç |Á Á^æÁæ^Á^ • | çæ Á |Á |Á^æÈÁ^æÁ@Áæç |Á] ^iæ |
{ æ ~ æÁ |Á [] ^iææç * / • d ~ &ç } • È



Ö [{ U] ^iææ } Á^ &ç } ÁÈ

OPERATION

OPERATION

5. CONNECTING ATTACHING HEADS TO THE BOOM

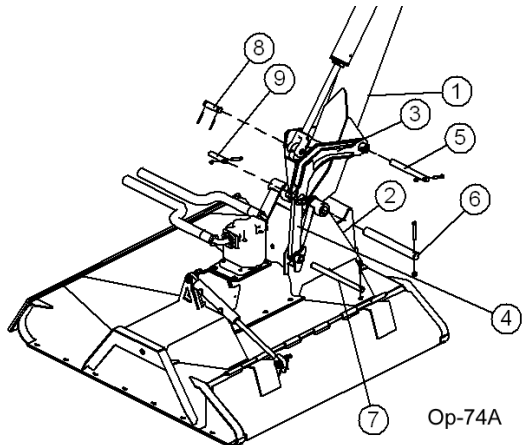
FEÄÜ çæóÀ` Áææ&@ * Á@Á æç | óÀ:æ& ^ ÇDÄ Á@ÁÀ [{ ÇD
 ~ • ä * Ä ä Ç Dæ äÁ@æá, æ^ÉÄ^ çææ&@@& | ä á^Ä Á@
] æç | óÀ:æ& ^ ÇDÄ • ä * Ä ä Ç Dæ äÁ | | Ä ä • É

ÇÄV@ } Áææ&@@Á | * | * Ç DÄ Á@Á [, ^ ÇDÄ • ä * Ä ä Ç D
 æ äÁ@æá, æ^É

HÄV^ ÁæÄ@ ä Ä Ä | ^ Á@ÁÀ [{ ÇDÄ [} Ä Á@Á [, ^ ÇDÉ
 Ç • Á@ÁÀ]] ^ Ä ä Ç Dæ [~ @Á@Á) ä Á Á@ÁÀ [{ Ä ä Á@
 { [, ^ Á@ÁÀ@, æ@æá, æ^É

I ÄV@ } Ä ä Ä | Á@ÁÀ | * | * Ç Dæ ä Á@Á æç | óÀ:æ& ^ ÇDÄ@æ&@
 , æ@ ä Ç Dæ ä Á@æá, æ^É

Í Äæ æ Ä æ Á ^ Á@ÁÀ | | Ç É ~ Ç É ä Ä ä • Áæ^Ä @ } ^ Ä Ä
 | ^ & { { ^ } ä Ä Ä | ~ ^ ÉOPS-B- 0004_D



Op-74A



ÇÉ [æ& } çæóÀ æ@Ç Ä ^ Áæ^ Ä ä * Ä ä * Ä ä æ | æ Ä ä Ä ^ Ä | • É [Ç | É ç æ ^ Áæ ä
 Ç • ^ Ä } ^ & ç } ÉÜ | æ Ç Á@ ä æ | æ Ä | • • ^ Áæ^ | ^ Ä | ^ | { ä * Ä æ ç } æ & Ä | Ä ^ } æ • É
 W^ Ä [Ç • Ä ä ä ^ Ä | | Ç & ç } Ä @ } Á | ç æ ä * Ä ç Ä { | | } ^ Ç É [} çæóÀ æ@Ä Ç Ä ^ Áæ
 | Ä | æ Ä æ Áæ • ^ Á | ä ~ • Ä b | Ä | { Ä | } • Ä | Ä & ç ä ä * ÉÜ É D



Ö | Ä [Ä | ^ Áæ Ä@ Ä ~ ä { ^ } Ä æ@ ä æ | æ Ä ä | Ä ^ | Ä æ ä * ÉÜ ä
 æ ä Á ^ | Ä ^ Ä ç | | • æ^ Ä ä Ä@ ä Ä | • ^ } & Ä | | ä Ä | • ^ } çæóÀ æ@Ä [Ç |
 } [Ä @ & Ä | Ä ^ æ • Ä æ@ | ^ Áæ ä Ä Ä ä @ | | • • ^ Áæ^ | Ä | ä d æ • Ä | {
 ä | æ • Ä Ä@ Ä ä ^ Ä | | ä Ä | ^ d æ Ä@ Ä | ä Ä ä æ • ^ Ä • ^ Ä æ æ ^
 ä ä * Ä ä * Ä ä * Ä | ^ ÉÄ | & @ & Ä | | æ@ • ^ Ä æ ÉÜPWÄ@Ä } æ Ö P Ö Ç Ö
 U Ç Ä æ ä Ä | [Ç Ä | Ä@ ä æ | æ Ä | • • ^ Áæ^ | ^ Ä | ^ ä ä ä | ^ } ^ d æ | Ä | | Ç • É
 • æ ç Ä | æ • ^ Ä ä Ä ^ Á@ ä ä ä | æ ä Ä | & @ & Ä | Ä ç æ ^ } & Ä | Ä ä ä • ÉÜ
 ^ | ^ •] ^ Áæ^ æ ÉÜ Ö T U X Ö Ä@ Ä P U Ü Ö ä Ä@ æ ^ Ä • ç ä Ä æ Ä ç | É
 Ç Ä ä Ä | • ^ Ä | ^ d æ Ä@ Ä | ä É Ç Ä@ Ä b | Ä | Ä æ ä Ä | { ^ ä æ | Ä Ä æ
 | @ • æ ä Ä } [, | ä ^ ä æ | Ä ä Ä | ä | ä Ä Ä | | & ä ^ Áæ^ ÉÜ É D



6. PRE-OPERATION INSPECTION AND SERVICE

Ö | ^ | ^ Áæ Ä@ Ä ^ ÉÄ | Ä | æ æ } Ä ä • | ^ & ç } Ä ä ä Ä | ç æ Ä | Ä@ Ä | | ^ | ^ } óÄ ä Ä æ ç | Ä | • óÄ Ä | ^ | | { ^ ä É
 V Ç Ä ä | ä • Ä | ~ ç ^ Ä æ ç } æ & Ä ä ä Ä & @ ä | ä Ä | ä | æ æ } ÉÜ • | ^ & ç * Á@æ Ä | Ä æ ç Ä | ç æ Ä • Áæ^ Ä ~ ä | ä
 æ ä Á ~ } & ç } æ É æ ä Ä | ^ | | { ä * Ä ^ ä ä Ä | } æ • ÉÜ Ö Ä P U V Ä | ^ | æ Ä@ Ä } ä Ä@ Ä | Ä | Ä | ^ | æ æ } Ä ä • | ^ & ç }
 | ^ ç æ ^ Ä ä | Ä | ä ä } Áæ^ Ä ç * Ä æ Ä | ^ | æ æ } ÉÜ | ^ | | { Ä | } æ • Ä ä Ä | æ | ^ } Ä | Ä æ æ ä Ä ä ä Ä | ä • ä *
] æ • Ä Ä | | } Ä Ä | ç æ ä ÉÜ Ä | ^ | | { ä * Ä ä | | ~ * @ | Ä | ^ | æ æ } Ä ä • | ^ & ç } Ä ä ä Ä | ç æ Ä ä æ æ | Ä | , } Ä ä ^
 æ ä Ä | } æ Ä | • ÉÜ Ä | Ä æ [ä ä ÉOPS-U-0029

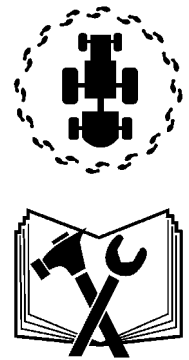
Ö | { U | ^ | æ æ } Ä | ^ & ç } Ä | É

OPERATION

OPERATION

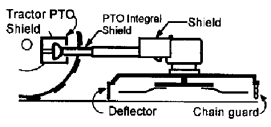
WARNING

U^i q a a e q A a q . ^ & A a q A [c a * A] a e o A f i A , ^ a a a q a A i ^ | a e A , @ } ^ & . . a e A a o a e o q i a ^ a A i c a e A a e o E a S [i A i A [i . ^ A a e o } ^ i . E a [i] [i A a i \ ^ } A] a e o E a q a A a e ^ A i A [i . ^ A a e q * E a T a e ^ A ^ i A a q A q . A o e A a a e o * A o a a , a e E a U i q . ^ a b i ^ A e a A & i A i { A [o i a e a q a * A o e { a e o ^ a q A [i a A [i \ a * A i a ^ i E a U O E F E D



DANGER

O q i U a e c A U o i a . E a O ^ a a . A a q a A U a e c A a ^ c a e . A q & i a q * A q ^ o y [c q a e a A q D E a o A O ^ i & q i . E a O a a A O ^ a a . E a U e ^ i A O ^ a a . E a O ^ a a i c U o i a . E a U U A q o i a e A o i a . E a q a a U i c a e a e ^ A O [i A U o i a . A q ^ i a a ^ . ^ a a e q a A q a e a a A q A [i a A [i \ a q * A q } a a q } E a O q i A a e c A a ^ c a e . A q ^ i a A a q .] ^ & o a A e a e ^ i | a e a e o a e a e A i A a . q * A i A i \ ^ } & { [] ^ } o E a T a . q * E a i \ ^ } E [i A a [i] A e { . A ^ . o a e A a } | a e a a e a } & A q A a a ^ & A o A [. . a a q A a b i ^ A i A e a e o + [{ A o [, } A a b o E a } a e * i ^ ^ } e A i A i a e a A q } a e e A U O T E D



6.1 Tractor Pre-Operation Inspection/Service

U ^ a i A q A o A c a e q i A] ^ i a e q i q A q a e a q A . ^ i A e e q [] i ^ e A i ^ E i ^ i a e q } A q . ^ & q } A e q a A e & @ a ^ i a . ^ i c a e A a e A i ^ i { i a A a e q i a q * A q i a o { a e ^ a e c i ^ i . A i ^ e q { { ^ } a e a e } . E a V @ A t i i i , q * a e A i { ^ A A o A e { . A o e A a ^ a e a e A i c a e A a e q a q .] ^ & q } K



- V a ^ A q } a a q } E a A i . ^ . ^ i ^
- Y @ ^ i A ^ * A i | o A
- U e ^ i q * A q \ a e ^
- U V U A o i a A
- U T X A a } A e A i a e q A e a A c a e i ^
- V i a e q i q A a o A e ^ A i a e q A e a A ^ } & q } a e
- V i a e q i A U a e a i o e A q A [i a A q } a a q } A
- V i a e q i A U U U U A e A q A [i a A q } a a q }
- U U U U A e A q A o A a e a a A [. a a q }
- E [A i a e q i A q A e a . A
- U a a e q i A i ^ A A A a i a A
- O) * q ^ A q A c ^ i A e q a A q } a a q }
- O) * q ^ A q [i a e o A c ^ i A e q a A q } a a q } A
- U [, ^ i A i a e a A q a e A c ^ i A
- U [, ^ i A e ^ i q * A q a e A c ^ i A
- O ^ A q } a a q } A e a A c ^ i A
- U ^ a e } o i a i a e a e } A e a e A i a A [q o
- O e A c ^ i A q } a a q } A O P S - U - 0 0 3 0

Op-13

O i { U] ^ i a e q } A i ^ & q } A i E e

OPERATION

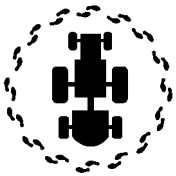
OPERATION

6.2 Boom Unit Pre-Operation Inspection and Service

☞] ^&0& } áá^içæ^Ác@Áà[[{ Áæ{ Áæ áÁ@æáÁ] á Á Á] ^iææ } ÉÁÓæ æ ^áÁæ ááÁ: [\ ^ } Á æ 0 Á @ ~ | áÁà ^ i ^ } æá^áÁæ ááÁ^ | æá^áÁæ { ^áææ^i ÉÁÁV [Á } ~ i ^ Ác@Á^ } æá^ Á^æá^ Á^ i Á] ^iææ } ÉÁ } á ~ &Ác@Á^ | | , á * K OPS-B- 0020Á



U^iá ááææ^ Áá • ^&0&æ^Á [çá * A] æ 0 Á^i Á, ^æÁæ áÁ^i | æá^ Á, @ } ^&0&ææ Á æ 0 Áæ c@ | á^áÁ^içæ^Á æ 0 ÉÁ } [\ Á^ i Á] [. ^ Áæ 0 } ^i ÉÁ [] [i Á: [\ ^ } Á] æ 0 ÉÁ } áÁ^æ Á^ i Á [[. ^ Áæá * ÉÁÁ æ ^ Á ~ i ^ Áæ^Á] á • Ác@æ^ æææ@ * Ác@á, æ^ÉÁ^iá ~ Áá B i ^ Á æ Á & Á^ i Á [{ Á [0^ ææ á * Ác@ { æ@ / Á Á [[áÁ [\ á * Á i á^i ÉÁ } 0 ÉF 00



V@Á] ^iææ i ç Á æ ~ æÁæ áÁæ^c Á á } • Áæ-æ^áÁ } c@Á^ } æÁ } ææ Áá] [iææ 0á • d ~ &æ } • Á } Ác@Áæ æ áÁ^i [] ^i Á^ • ^ Á^ - Ác@Á^ ~ á { ^ } ÉÁÁ ææ ææ Ác@ • ^ á] [iææ 0áæ^c Áæ^i • Á } Ác@Áá] [\ ^ } 0á Á [[á & } ááæ } Á^ Á } • i ^ Ác@Áá^ i { ææ } Áá Áæææá^ Á^ c@Á^] ^iææ | Áæá^Áá^ Á • É



Op-14

~ 0) • i ^ Áá^Áæ^c Á á } • Áæ^Áá] æá^ Áá áÁ^ áÁ^ ÉÁ Á^i | æá^ Á á • á * ÉÁææ æ ^áÉÁæ áÁ^i áÁ^ áÁ^ áÁææ ÉÁ OPS-U- 0011_A

0Ü0É 0ÁÉÜ0Ó 0ŠŸ

- " ☞] ^&0& } ááæ } Á Á [~ } çá * Á^æ ^ Á^ i á { ^ } É
- " ☞] ^&0& } ááæ } Á Á, æ^ÁÁÉ • ^É
- " 0) • i ^ Áá^Áá [0 Áá áÁ&^, • Áæ^Áá] [• áá } Áá áÁ æ^Á^i [] ^i Á^ i ~ ^áÉ
- " 0) • i ^ Áá^Áá • Áæ^Áá] æá^ Áá ááæ c } ^áÁ æ 0 Á • &^ • É
- " 0) • i ^ Ááæ ^ Á Á [] ^i Á^ [~ } c áÁ^ Ááæç | Áá æ áÁæá, æ^Áá^ Á [] ^i Á^ • çá^áÁá áÁ c@Á^ ^áÉ OPS-B- 0021_D



0 [{

U] ^iææ } Á^ & ç } Á É F

OPERATION

WARNING

Ü|aç^A@áiæ|æÁ|!^•~|^Á|q|!Á|Á| q * Áæ ^ Á ææ c) æ & Á|Á^| æá [| \ Á } Á@AQ] | ^ { ^ } dÉ
 Ú|æ^Á@Á [, | Á^ææÁ } Á@Á| [~ } áÁ|Á^&~|Á^Á~] [| c áÁ } Á [& • Á|Áæ á • Éáá^ } * æ^
 c@ÁUVUÉæ áÁ: } Á -Á@Á } * q ^ ÉÁ~ • @æ áÁ~ | Á@Á } d [| Á^ç^Á • Á|Á^ • æÁ^ç^ÁæÁ^ Á •
 ç Á|aç^Á|!^•~|^Á|q|!Á|Á| Áææç * Áæ ^ Á ææ c) æ & Á|Á^| æá [| \ ÉÁ^UOT È D

WARNING

Þ^ç^ÁÁ^æ^Á@Á [, | Á^ } ææ } á^áÁ @^Á@Á@æáÁ Á Ác@Áæ^á
 [| • æá } ÉÁV@Á [, | ÁÁ~ | áÁæ|Áæ • q * Á^Áq ~ Áq b| Á^ Áæ ^ [] Á^ @
 { á @Á æç^c) ç Á^Á } á^Á@Á [, | Á. Á^UOT È D



OPERATION

OUUT AEJT AEJUOT OSY

- " Q • | ^ & Á } ááá } Á - Áææç { Á^&ç } Á^ | á { ^ } c
- " O) • | ^ Áæ|Á q • Áæ^Á q | æáÉ
- " O) • | ^ Áæ|Á [| c Á^ • Áæ áÁ []] q • Áæ^Á | [] | Á^ Á
q • æ^áÉ
- " O @ & Á } ááá } Á - Á^ • @ * • Áæá [[{ Á q [c
] [q • Áæ áÁ@áiæ | æ & | q á^ | Áæ } * É
- " O) • | ^ Áæ@áiæ | æ & | q á^ | Á q • æ^ááá áÁ
| ^ æá áÁ | | ^ & ç ÉÁO) • | ^ Á@Á | [] | Á^ á^ Á q • Á
æ^Á • áÁ | Á^ æá Á@Á | q á^ | Á q | æá Áæ áÁ^ Á
• ^ & | ^ áÁ | [] | Á^ ÉÁOPS-B- 0022_D

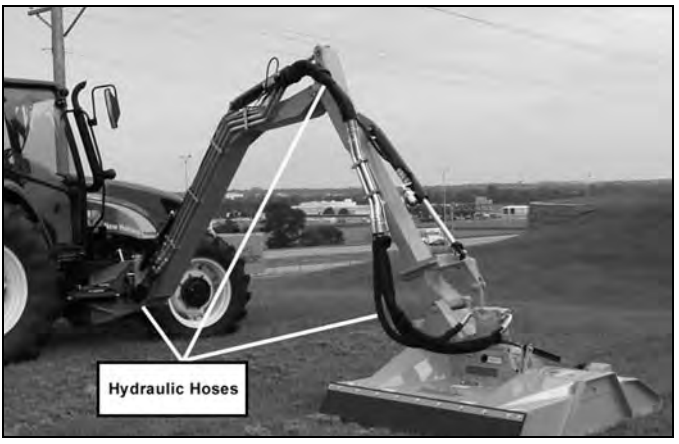


WARNING

Þ^ç^ÁÁæç { } cÁ Á^ | áææ Éæá b • É | Á^ | [ç^Á æ^ááÁ [{ Ác@AQ] | ^ { ^ } cÁ @^ÁÁÁ Á
 { [ç } Á|Á @^Áæç | Á^ } q ^ Á^ Á^ } } q * ÉÁ^UOT È D

PYOUÇVSOASÇ OAD UJOOVQJP

- " O @ & Á | Á@áiæ | æÁ^ æ • Áæ } * Áq • Á • ÉÁ
& | q á^ | Áæ áÁáá } * É **IMPORTANT!** ÁOUÁUVÁ
~ • Á^ [~ | Ácá á • Áæ & Á | Á q | Á q • ÉÁV^ ÁÁ
] æ & Á - Á@æ^ Á q | Á | Áæáá | æáÁæ & Á | Á
@áiæ | æÁ q | Á q • ÉÁ
- " Q • | ^ & Á@Á } ááá } Á - Á@Áæç^ Á [~ } ç } É
- " O) • | ^ Ááá } * Áæ^Á | [] | Á^ Á } } ^ & ç áÉ
OPS-B- 0023_D



Ó [{ U | ^ æá } Á^ & ç } Á^ É G

OPERATION

OPERATION

OPERATION

- Q. The operator should always wear safety glasses and work clothes. Do not drink alcohol or use drugs before operating the machine. Do not operate the machine if you are under the influence of alcohol or drugs.
- Q. Do not touch moving parts of the machine. Do not reach into the machine to clear a jam or for any other reason while the machine is running.
- Q. Do not touch the hot parts of the machine. The machine will get hot during operation. Do not touch the machine until it has cooled down.
- Q. Do not touch the electrical parts of the machine. Do not touch the machine if you are not qualified to work with electricity.
- Q. Do not touch the machine if you are not trained to operate it. Do not touch the machine if you are not qualified to maintain it.
- Q. Do not touch the machine if you are not qualified to use it. Do not touch the machine if you are not qualified to repair it.
- Q. Do not touch the machine if you are not qualified to use it. Do not touch the machine if you are not qualified to repair it.
- Q. Do not touch the machine if you are not qualified to use it. Do not touch the machine if you are not qualified to repair it.



Op-80_A



Op-82_A



Read and understand all instructions, warnings, and safety labels before operating the machine. Do not touch moving parts of the machine while it is running. Do not touch the machine if you are not qualified to use it.



Read and understand all instructions, warnings, and safety labels before operating the machine. Do not touch moving parts of the machine while it is running. Do not touch the machine if you are not qualified to use it.

Op-80_A

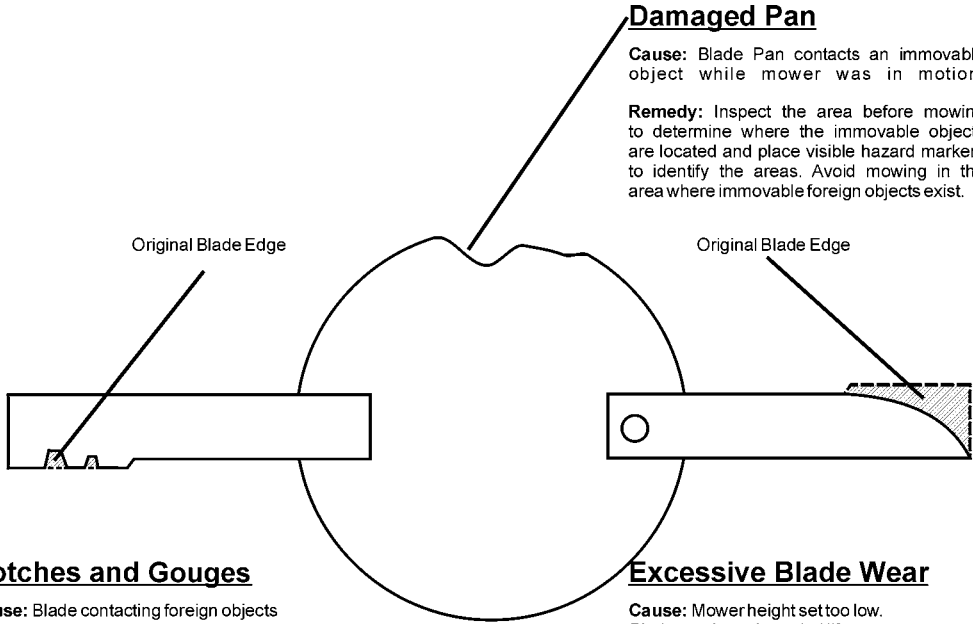
Op-82_A

OPERATION

OPERATION

6.3 Cutting Component Inspection

OPS-U-0031



Damaged Pan
Cause: Blade Pan contacts an immovable object while mower was in motion.
Remedy: Inspect the area before mowing to determine where the immovable objects are located and place visible hazard markers to identify the areas. Avoid mowing in the area where immovable foreign objects exist.

Notches and Gouges

Cause: Blade contacting foreign objects
Remedy: Inspect the area to be mowed and remove foreign objects that could cause damage to the blades

Excessive Blade Wear

Cause: Mower height set too low. Blade used past intended life.
Remedy: Replace blades more often. Adjust mower height for mowing Conditions to eliminate blade-to-ground contact

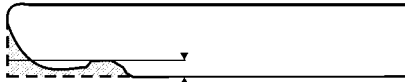
Op-22



OPS-U-0032

- 1. Inspect blade for nicks and gouges.
- 2. Replace blade if damaged.
- 3. Inspect blade for excessive wear.
- 4. Replace blade if worn.
- 5. Replace blades in pairs.

OPS-U-0032



1/2" MAXIMUM
(12.7mm)

Original Blade Edge

NOTE:
 Replace Blades in pairs after no more than 1/2" (12.7mm) wear

Op-23

OPS-U-0031

OPS-U-0032

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

V@AQ•^&ç}AQ|{ Á æ Á^Á^Á^ Á~|Bæ^áÁ!Áccá&|á•È

Ó[{|

U] ^!æç}Á^&ç}ÁÈï

OPERATION

Boom 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.

Table 1:

| Item | Condition at Start of Shift | Specific Comments if not O.K. |
|---|-----------------------------|-------------------------------|
| The Operator's Manual is in the tractor | | |
| All safety decals are in place and legible | | |
| The mounting frame bolts are in place and tight | | |
| The boom connection bolts & pins are tight | | |
| There are no cracks in boom | | |
| The hydraulic cylinders pins are tight | | |
| The hydraulic pump 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 boom shields are in place and in good condition | | |
| The skid shoes are in good condition and tight | | |
| There are no cracks or holes in boom deck | | |
| The hydraulic motor mounting bolts are tight | | |
| The boom head spindle housing is tight and lubricated | | |

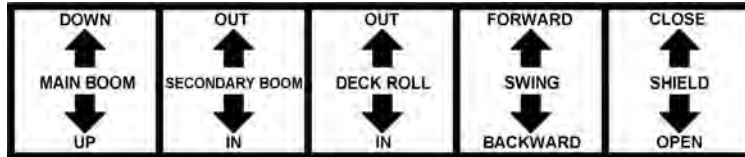
Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

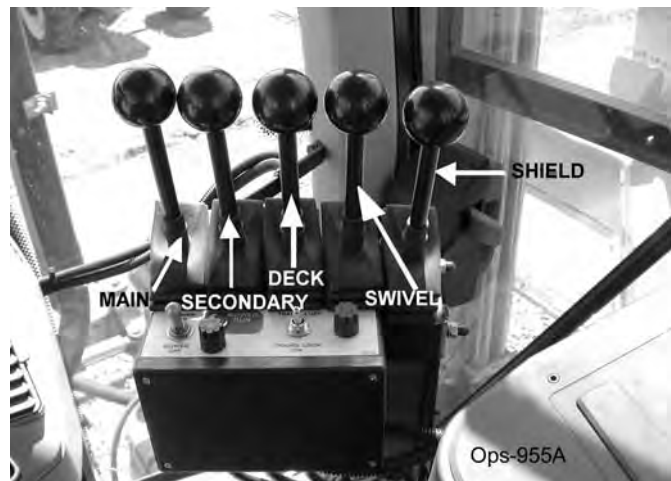
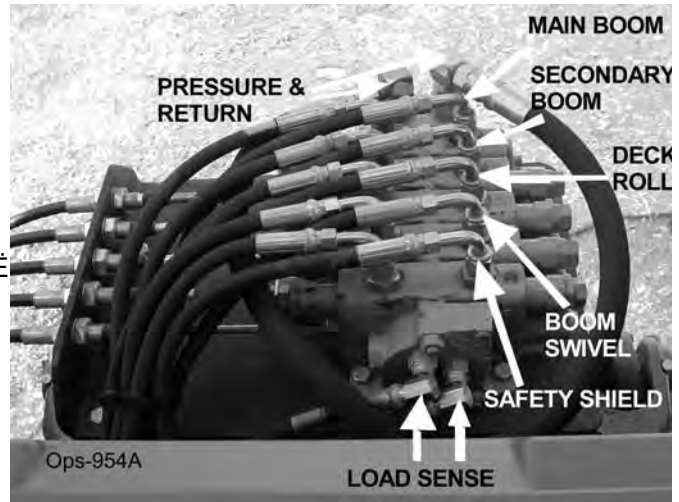
OPERATION

Cable Controlled Mowers

OPERATION



OPERATION

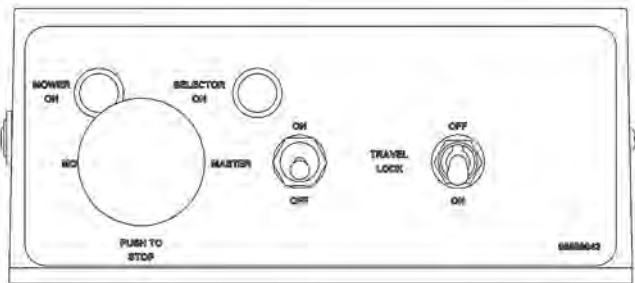


OPERATION

OPERATION

6.4 Switchbox

V@ÁÛæ^c ÁÛ@|áÁç^iÁ] ^} • Áæ á&| [• ^ • Á@Á @|á
 || &æ^áÁ} Á@Á[] ð Á@Á&^ ð! Á@æÉY @) Á [çá *
 æÁ! Á ^æÁ@Á! [~ } áÉæ, æ • Á@ç^Á@Á @|áÁá Á@
 &| • ^áÁ] [• æá } ÉY @) Á [, á * Áá Á@Á! ~ • @|! Áá
 d^ • Áæ [ç^Á! [~ } áÁç^iÁ@Á @|áÁ æ Á^Á] ^} ^á
 †! Áæ á! Á&^ çá * ÉÛ^æáÁæ áÁ] || , Á@Á æ} á * Á }
 c@Á^ &ç^ @ , } Á^ || , ÉÖ [Á [ç^ } Á@Á&^ ð! Á@æ
 á ç Á æ! æáÁæ * ^! Á@ç^ Á ^áæ ^ç! É



OPERATION

DANGER

SAFETY SHIELD & DEFLECTOR OPERATION

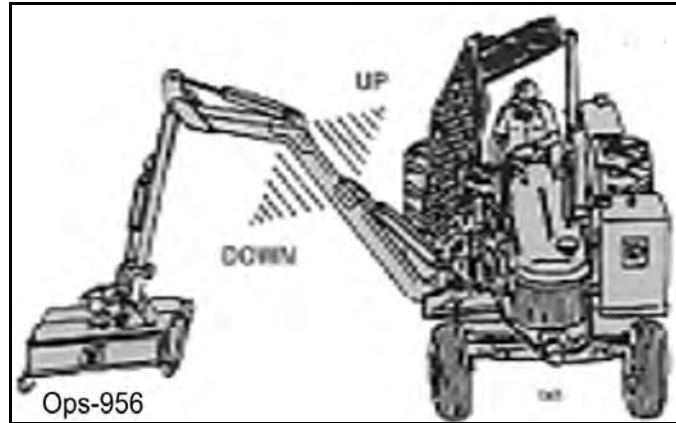
| | |
|---|--|
| <p style="text-align: center; font-weight: bold;">SAFETY SHIELD</p> <p style="text-align: center; font-weight: bold;">DEFLECTOR</p> | <ul style="list-style-type: none"> • Failure to close Safety Shield and Deflector may allow objects to be thrown outward with great force which can cause property damage, bodily injury, or death. <ol style="list-style-type: none"> 1. Keep Safety Shield and Deflector fully closed when cutting grass and weeds to reduce possibility of objects being thrown outward by the Blades if persons are in the area. 2. Before Cutting brush, trimming limbs, or other such operations, raise the Deflector and Safety Shield fully to allow the blades to contact the material if area is clear of passerby. Operator must stop cutting and close shield if passerby enters the thrown objects area or blade contact area. 3. Repair or replace Safety Shield and Deflectors as needed. 4. Always transport with Safety Shield and Deflector closed. |
|---|--|

02967867

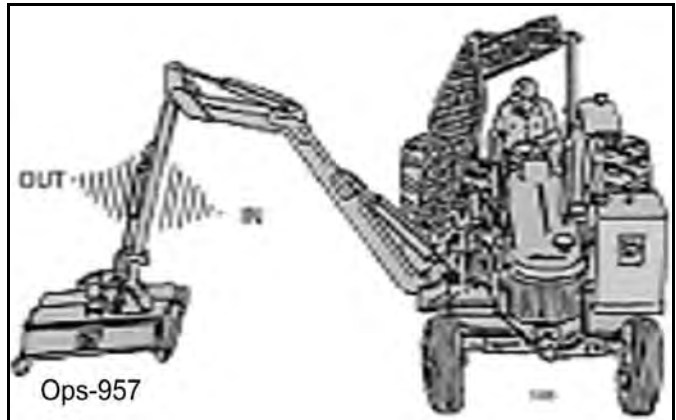
OPERATION

OPERATION

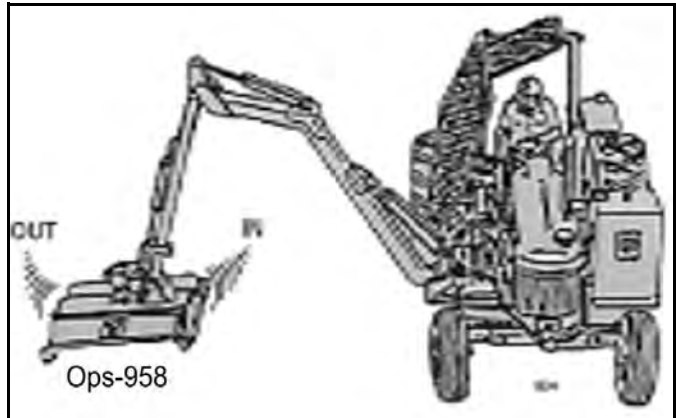
ΣΧΟΔΙΑΣΜΟΣ ΑΝΟΙΧΤΗΣ



ΣΧΟΔΙΑΣΜΟΣ ΟΡΟΦΕΥΣΗΣ



ΣΧΟΔΙΑΣΜΟΣ ΟΡΟΦΕΥΣΗΣ



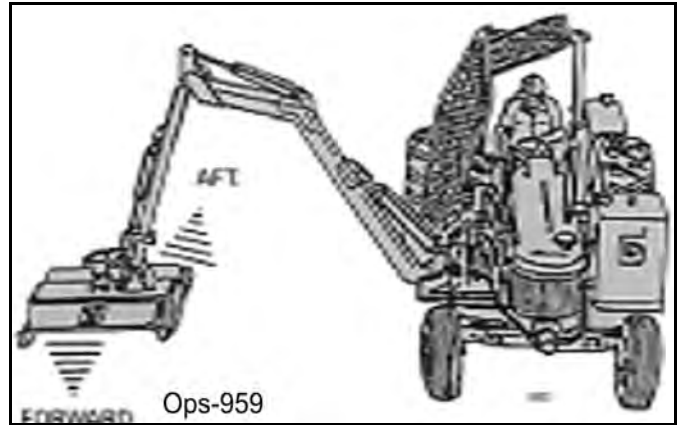
Όλες οι

επιχειρήσεις είναι διαθέσιμες

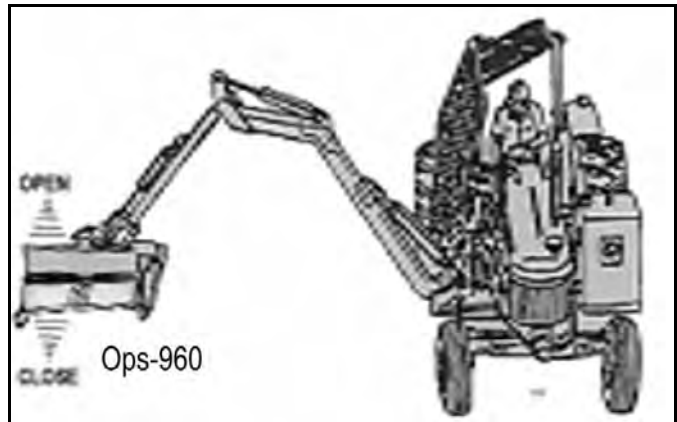
OPERATION

OPERATION

ΣΧΟΛΙΑ ΑΝΤΙΣΤΡΟΦΗΣ



ΣΧΟΛΙΑ ΑΝΤΙΣΤΡΟΦΗΣ



Όλες οι πληροφορίες

υπάρχουν στην εγχειρίδια

OPERATION

7. Joystick Controlled Mowers

WARNING

DO NOT touch the controls when the engine is running. The controls are energized when the engine is running. Touching the controls while the engine is running can result in injury or death.

When the engine is running, the controls are energized. Touching the controls while the engine is running can result in injury or death. Always use caution when operating the controls.

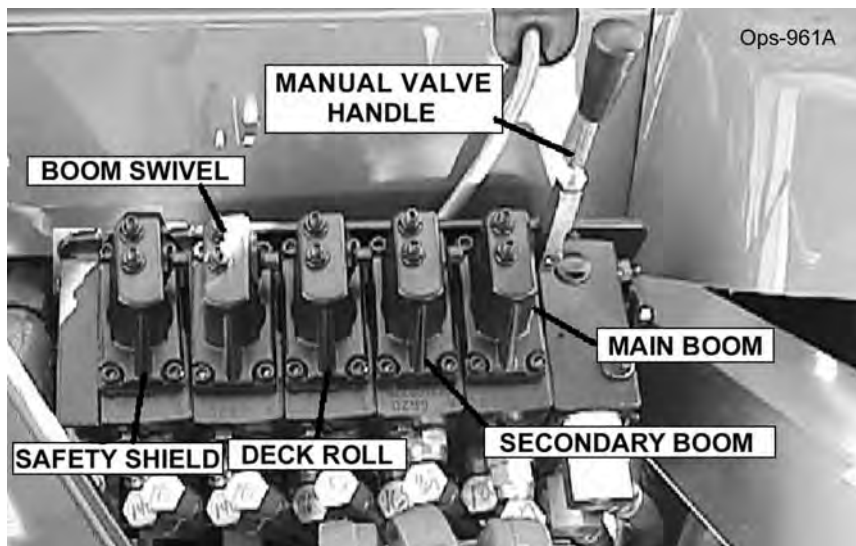
CAUTION

Always use caution when operating the controls. The controls are energized when the engine is running. Touching the controls while the engine is running can result in injury or death. Always use caution when operating the controls.

CAUTION

DO NOT touch the controls when the engine is running.

When the engine is running, the controls are energized. Touching the controls while the engine is running can result in injury or death. Always use caution when operating the controls.

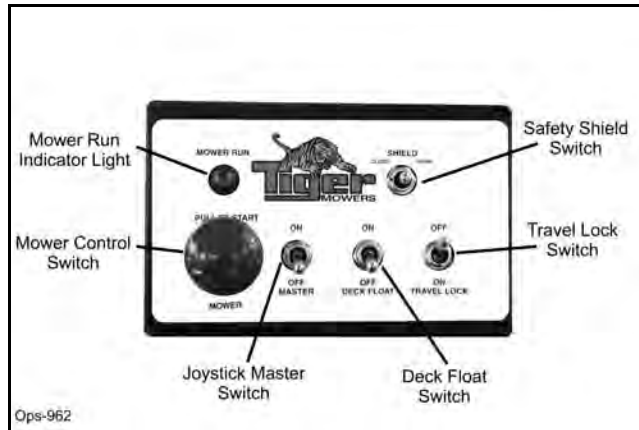


OPERATION

OPERATION

7.1 Switch Box and Joystick Control

V@Áäæ!æ •Áà^[[, Áæ}áÁ] }Á@Á^ææ^Á @, Á@Á }&ç} •Á@æÁ^Á^!-!{ ^áÁ@[~* @Á@Á •^Á Á@ ð^ •æÁ&[}d[||^!É



V@ÁæcÁ@|áÁ ä&ç] ^} •Áæ}áÁ[•^Á@Á @|áÁ &æ^áÁ }Á@Á[} çÁ Á@&æ!Á@æÉV @} Á [çá * Áæ [!Á^æÁ@Á^!| ~} áÉæ, æ •Á@æ^Á@Á @|áÁ Á@Á&[•^áÁ [•æ] ÉV @} Á [çá * Áæ Áá! •ç!Á Á^Á@Á[ç^ *!| ~} áÁ^ç^Á@Á @|áÁ æÁ^Á] ^}^áÁ!Áæá!&æ çá * ÉV^æÁæ}áÁ ||, Á@Á æ} á * Á }Á@Á^&çÁ @, } á^[[, **Do not run the cutter into material larger than 6" diameter.**

! DANGER

SAFETY SHIELD OPERATION

• Failure to close Safety Shield may allow objects to be thrown outward with great force which can cause property damage, bodily injury, or death.

1. Keep Safety Shield fully closed when cutting grass and weeds to reduce possibility of objects being thrown outward by the Blades and to prevent contact with the Blades if persons are in the area.
2. Before cutting brush, trimming limbs, or other such operations, raise Safety Shield fully to allow the blades to contact the material if area is clear of passersby. Operator must stop cutting and close shield if passerby enters the thrown objects area or blade contact area.
3. Repair or replace Safety Shield as needed.
4. Always transport with Safety Shield closed. Ops-963

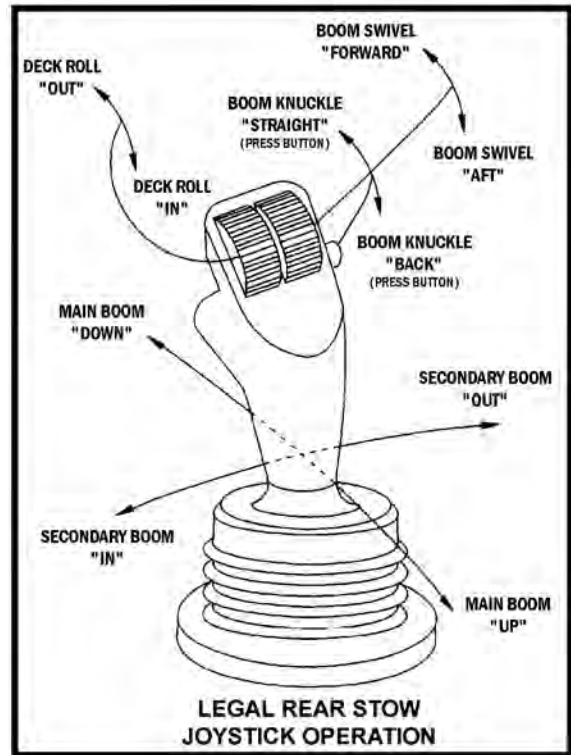
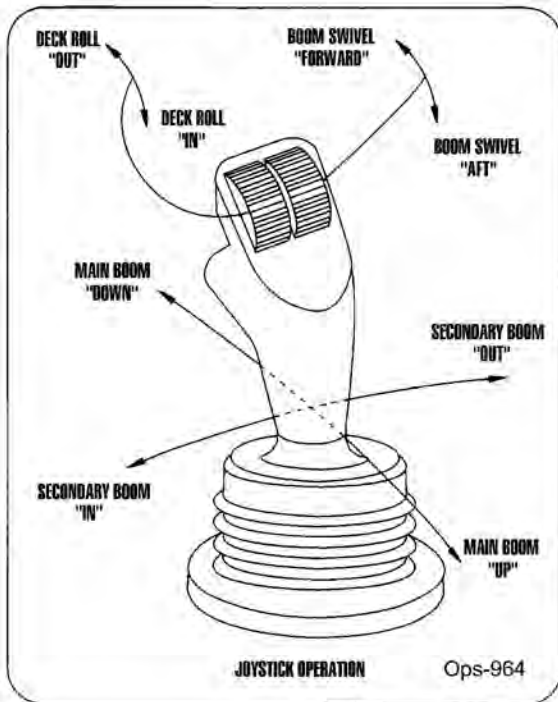
Ó[{

U] ^!æ] }Á^&ç} ÁÉ

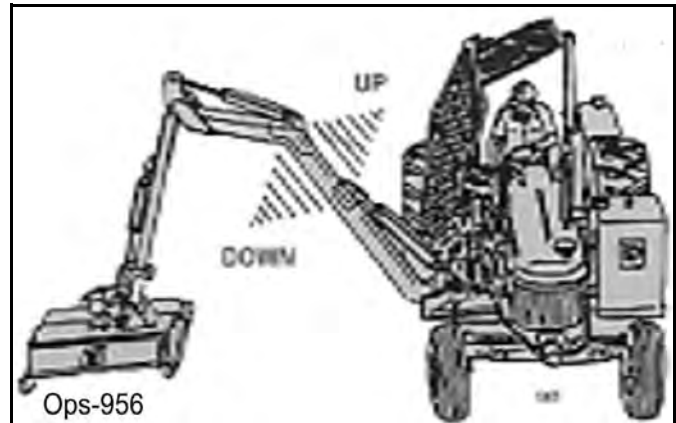
OPERATION

OPERATION

Joystick Control



RUÿÙVÔSÁÏ ÖÖÔSÁ UXÒÚÁ ÖPÁÓUT



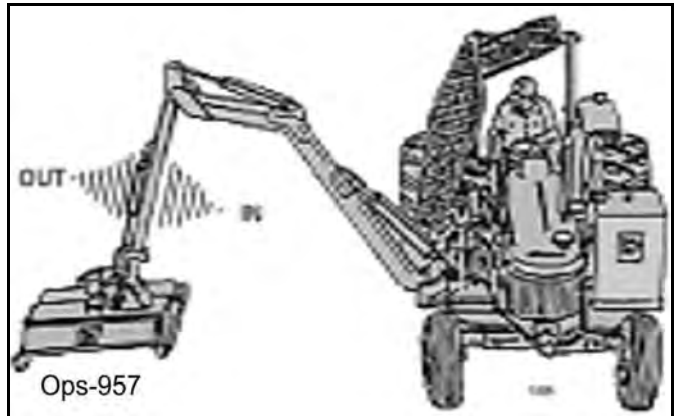
Ó[[{

U] ^! aã } Á^ &ã } ÁÉÉ

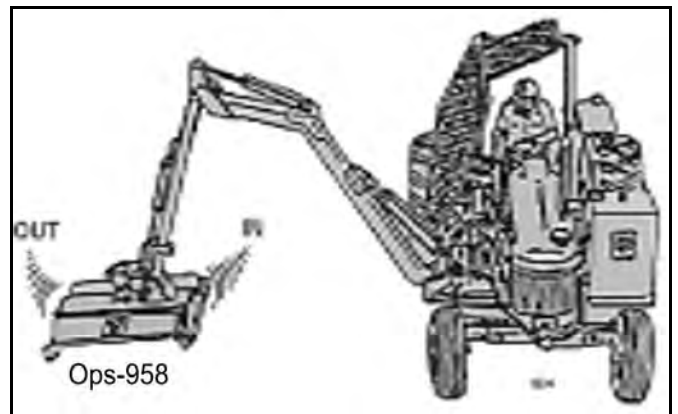
OPERATION

OPERATION

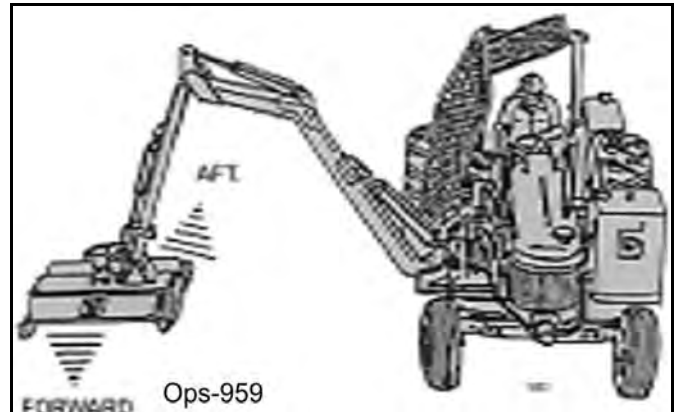
RU'YUV@SASOZVWU@PVAT UXOU'AU'OUPOEY'OUUT



S@ZV'RU'YUV@S'JU'S@U'AT UXOU'AU'OU'S'JU'S



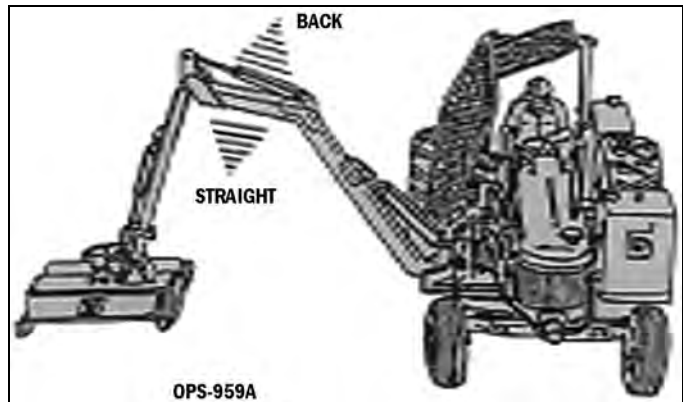
U@PV'RU'YUV@S'JU'S@U'AT UXOU' AU'OUUT
UY'XOS



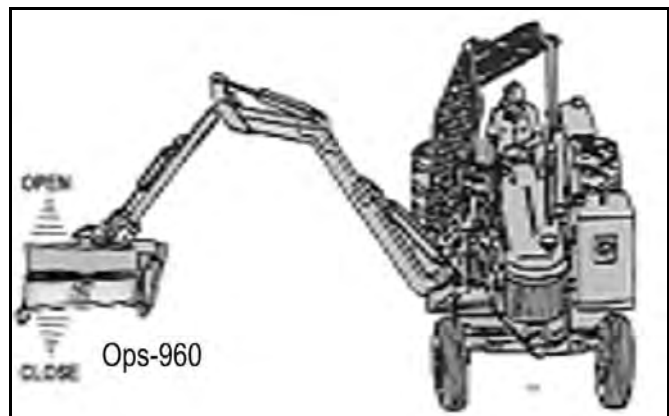
OPERATION

OPERATION

ÜÖPVARJYÜVÖSÄÜSŠÖ ÜÄY PŠÖÁÜÖ ÜÜÖÖ
 ÓVVUÞÁT UXÖUÁÓUUT ÁÞWÖSSÖÁÞPÁÖŠÖÖÖŠ
 ÜÖÖÜÁVUY ÁÓUUT



ÜPÖŠÖÁ ÜY ÖÖPÖ } Á•, ä&@ à[ÖDÁ UÜÖÜÖVÖÜ
 ÜÖÖÖVYÁPÖŠÖ



8. DRIVING THE TRACTOR AND IMPLEMENT

Üæ^Átæd [Átæ•] [!Á^~ ä•Á@Á] ^!æ!Át Á [••••ÁÁ@! [~ * @Á] [|á^Á -Á@Á [á^Áá * Á] ^!æá
 æ áÁ ^ææ ç } •Át Áæ^Á @^Ááá * Á á@æ Áææ&@áÁ] |{ ^} ÖÖ) • ^Á@Átæd !Á@ Á@Áææ ææc Át
 @æ á^Á@Á ^á @Á -Á@Á [{ Áæ áÁ@Átæd !Á] ^!æá * Á&] d [|Áæ^Á^Át !Áæ^Átæ•] [ÖÖÁ Á] • ^Áæc
 , @^Ááá * Á@Átæd !Á á@æ [{ ÉÁçá, Á@Átæ, á * É

Ü^æÁtæc Áæc Áæ•d &ç } •ÉÖ^æç Áæ@Á [{ Á æ} Á [Á Á ææ |ææ áÁ ~ |ç |Áææá •ÉÜ [{ ^Áá&ç
 æ^Áææ&@áÁ& [^Át Á] æc [-Á@ ÁÖ [{ Á @^Á@^Áá Áæ [•æ|Áææ ááÉÜ^ææ Áæ áÁ æ^Á ^Á [~
 ~ } á! •ææ áÁ@Áæc Á(^•æ^Áá^! ^Á [Á] ^!æÁ@Átæ] |{ ^} ÖÖÁÁ^ Áæ|Áá&ç Á&|ææ Áæ áÁ^ææ|É
 Ü^ |æ^Átæ •Át Áææ æ^Áá&ç ÉÁ^Átæ Áæc Á&ç } Át Á [^Átæ] É

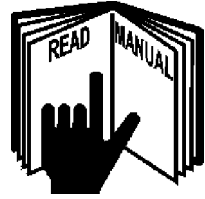
S^Á Átæ^! • [] ÖÁ ^|ÁááÁ -Á [, ^Áá &Ááæá Áæç Á@ , Á á&ç Á á@^Áá^! &ç Át Áá&ç } •æ^!æá
 áá ç & ÁÖÖÜÁÖÖÖÜÁÖPS-B- 0005

Ö [{ U] ^!ææ } Á^&ç } ÁÉ

OPERATION

⚠ DANGER

Read the manual before operating the machine. Failure to read the manual may result in injury or death. The operator must be trained and certified to operate this machine. Always use proper safety techniques. Do not drink alcohol or use drugs before operating the machine. Always wear your seat belt. Do not operate the machine if you are tired or under the influence of alcohol or drugs. Always use proper safety techniques. Do not drink alcohol or use drugs before operating the machine. Always wear your seat belt. Do not operate the machine if you are tired or under the influence of alcohol or drugs.

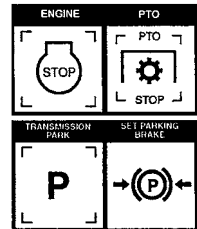


⚠ WARNING

Be aware of the location of the PTO and other moving parts. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running.

⚠ DANGER

Do not touch the PTO or other moving parts while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running. Do not touch or adjust the PTO while the engine is running.



OPERATION

OPERATION

8.3 Driving the Tractor and Boom

Use the following information to help you understand the correct way to operate the tractor and boom. The information is provided for your reference only. It is not intended to be a substitute for the operator's manual. For more information, see the operator's manual.

Use the following information to help you understand the correct way to operate the tractor and boom. The information is provided for your reference only. It is not intended to be a substitute for the operator's manual. For more information, see the operator's manual.



Use the following information to help you understand the correct way to operate the tractor and boom. The information is provided for your reference only. It is not intended to be a substitute for the operator's manual. For more information, see the operator's manual.

OPS-B- 0006

OPERATION

U] [{

U] [{ } Á & } Á F

OPERATION

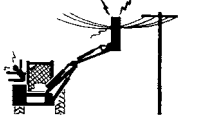
WARNING

Before operating the tractor, the operator must read and understand the operator's manual and the safety manual for the mower deck. Failure to do so could result in injury or death.



DANGER

When operating the tractor, the operator must be alert and watch for people and obstacles. The operator must also be aware of the tractor's stability and avoid sudden movements that could cause a loss of control.



OPERATION

9. OPERATING THE BOOM UNIT AND ATTACHED HEAD

THE OPERATOR MUST COMPLETELY UNDERSTAND HOW TO OPERATE THE TRACTOR AND MOWER AND ALL CONTROLS BEFORE ATTEMPTING TO MOW.

Before operating the tractor, the operator must read and understand the operator's manual and the safety manual for the mower deck. Failure to do so could result in injury or death.

When operating the tractor, the operator must be alert and watch for people and obstacles. The operator must also be aware of the tractor's stability and avoid sudden movements that could cause a loss of control.

The operator must also be aware of the tractor's stability and avoid sudden movements that could cause a loss of control.

Failure to do so could result in injury or death.

WARNING

When operating the tractor, the operator must be alert and watch for people and obstacles. The operator must also be aware of the tractor's stability and avoid sudden movements that could cause a loss of control.

WARNING

When operating the tractor, the operator must be alert and watch for people and obstacles. The operator must also be aware of the tractor's stability and avoid sudden movements that could cause a loss of control.

OPERATION



T[, AæAc@A~^^äAc@æA[~ A8æj Aææ^| A] |^ææAæj äA&| } d[|Ac@Acææd |Aæj äA [, ^|EAV@ &| |^æ&A [, ä *Ä] ^^äA^ ^) ä *Ä } Ä :||ææ &| } äæj } Äæ äA |æ • Ä } ^Eæ^) • æ Eæ äA@ ä @Ä ~ & dæ| |{ æÄ |{ } äÄ ^^äAæ *^Ä Ä |{ { ÄÄ Ä Ä } @-E Ä } @EæM • ^Ä |, Ä [, ä *Ä] ^^ä • , @ } Ä |^ææ *Ä } Ä |Ä ^æÄ c^Ä Ä | | ^ • Eææ&@ • Eæ | | E ~ EÄ ç | @æÄ ä • d ~ &ç } • EÄ [, ^ | ä ^ • EÄ | Ä @ } Ä ä | ä Äæ äÄ | ^ä } Ä ä b &æ Ä Ä Ä Äæ | Ä Ä Äæ | ä ä EæOT Eæ D

OPERATION

9.2 Operating Speed and Ground Speed

Ö | [~ } äÄ] ^^äÄ | Ä [, ä *Ä ä | Ä ^ ^) äÄ] | } Äc@Äc@ ä | Eæ | ^ Eæ äÄ ^) • æ Ä Äc^ ^ææ } ÄÄ Ä Äæ dæ| | Ä | Ä c ^æ^äÄ Ä ÜPÄ @Ä | |^ææ * EÜ |^ææ Äc@Ä [, ^ | ÄæÄ Ä | | Äææ äÄÜVUÄ] ^^äÄ | Ä ææ Ä | äæÄ] ^^äÄ | Äæ & | äæ Ä dæ | Ä ^ | Ä Äc@Ä | Ä |^ææ | Ä æj æÄ | Äc@Ä | Ä • d { ^) öÄ | Ä | Äc@Ä } * ä Ä] ^^äÄæ äÄ ^æ d Ä | | çæÄ Äc@Ä ~ ä ä Ä | |^ææ * Äæ äÄ • ä ä Ä | | } äÄ ^^äEÄ æ Ä ^ | Äc@Äc@Ä [, ^ | ÄÄ | |^ææ * ÄæÄ Ä | | äæ äÄ] ^^äÄ ^ | Ä ^) c | ä * Äc@Äc^ ^ææ } ÄÄ Ä Äæ dæ| | Äæ æÄ | ÄæÄ • Ä æc@Ä } * ä Ä ^æ äÄ | Äæ |

Ö | [~ } äÄ] ^^äÄ Äæc@Ä ç ä Ä Äcæj • { ä • ä } Ä ^æÄ ^ | ^ææ } Äæ äÄ | öÄ Äc@Ä } * ä Ä | |^ææ * Ä] ^^äEÄV@ [] |^ææ | Ä æÄ Ä ^ ~ ä ä Ä | Ä c | | ä ^) öÄ æc@Äc^ | äæÄæÄæ * ^ Ä | { ä ä ææ } • ÄÄ Äc@Ä | } ä Äc@Ä Ä ^ cÄ æÄæ ä | äæ * Ä Ä @Ä | | çæÄ • Äc@Ä [| • cæÄæÄ | | | } æ & Ä | { Äc@Ä | | ^ ^) öÄ äÄ | • cÄ ææ) öÄæd | Ä | |^ææ } Eæc@Ä Äc^ | ä Ä Äæ æÄ * Ä | } äæj } • Äæ & äæ Ä Eæ | | } äÄ] ^^äÄ @ ~ | äÄ Ä Ä & ^æ ^ ä EOPS-B- 0009



T[, AæAc@A~^^äAc@æA[~ A8æj Aææ^| A] |^ææAæj äA&| } d[|Ac@Acææd |Aæj äA [, ^|EAV@ &| |^æ&A [, ä *Ä] ^^äA^ ^) ä *Ä } Ä :||ææ &| } äæj } Äæ äA |æ • Ä } ^Eæ^) • æ Eæ äA@ ä @Ä ~ & dæ| |{ æÄ |{ } äÄ ^^äAæ *^Ä Ä |{ { ÄÄ Ä Ä } @-E Ä } @EæM • ^Ä |, Ä [, ä *Ä] ^^ä • , @ } Ä |^ææ *Ä } Ä |Ä ^æÄ c^Ä Ä | | ^ • Eææ&@ • Eæ | | E ~ EÄ ç | @æÄ ä • d ~ &ç } • EÄ [, ^ | ä ^ • EÄ | Ä @ } Ä ä | ä Äæ äÄ | ^ä } Ä ä b &æ Ä Ä Ä Äæ | Ä Ä Äæ | ä ä EæOT Eæ D

9.3 Operating the Attached Mower Heads

V@Ä | | { Äæj Äææ&Ä | Äæ äÄ | |^ææÄ | | ç | ^Äc@æÄ } ^ ÄæÄÄÄ ÄÄ | ÄæÄ äÄ Äæj * ÄÄ Äc^ ^ææ } Ä&| d | | æj | äææ } • EÄV@ Äææ&@ äÄc@æÄ ÄæÄ ÄæÄ ä ^ äÄ | | ÄæÄ ^) öÄj | äææ } • EÄV@ Äc@æÄ @ ~ | äÄ Ä Ä ^ | ^ææ äÄæ äÄ | | Äc@Ä [, ä *Äæj | äææ } Äæ äÄc@Ä | äææ } Äc@Äc@Ä } äÄ ÄæÄ * Ä | |^ææ äE

Ü ^ | ÄÄ Äc@Ä • ^ { ä | ÄÄ &ç } Ä Äc@Ä æj æÄ | Ä) • ^ Äc@Äc@æÄ Ä | | | | Äææ&@ äÄ Äc@Ä | | { Äæ&Äæ ä @ ä | äæ | äÄ Ä ^ ÄæÄ | | | | Ä&| } ^æc@Ä EOPS-B- 0010



V@Ä ÄÄÄ äçä ~ • Äæ äÄc@æÄ) Ä | c } æÄc@æ æä • Äæ Äc@Ä | |^ææ } Ä Äc@ T[, ^ | EÄÜÖT ÖT ÖÖÜÄV@Ä Äææ ^ ÄÄ ÄcÄ) Ä | |^ææ äÄ Äc@æÄ Ä | | • @ æj äÄ Äc@æÄ ^^ä • EÄV@Äc@æÄ ÄÄ Äc@Ä ÄT[, ^ | Äææ Äc@Ä |, Ä ä b &æ Ä Ä • c@ | ä ÄæÄÄ | öÄ | | | | | | Äææ äÄæ äÄ æææ äÄÜÄ | ä ~ Äæ b | Ä | Äc^) äÄæÄæ æÄ & & | Ä | | • • ÄæÄ ÄæÄ) ÄÄ ÄÄ) • ^ Äc@ÄæcÄ Ä Äc@Ä | |^ææ | E ä • ææ äÄ | EÄ | Ä æ • Ä | ä Ä Äc@ÄææÄÄ | Ä | öÄ | |^ææ Äc@Ä ÄææÄ Äææ ÄÄ æ@ æj ^ | } ^ Ä Äc@Ä | | ^ äæÄ ÄæÄæÄÜd | Ä [, ä * Äææ ^ | } ^ ÄÄ ææ Ä EÄÄÄc [- Ä [, ^ | EÄÜÖT EæcD



Ö | { U | |^ææ } ÄÄ &ç } Ä EÄ

OPERATION

9.4 Mower Operation

When the engine is started, the PTO shaft will rotate. To engage the PTO, the tractor must be in gear and the PTO lever must be moved to the "ON" position. The PTO shaft will then rotate and the mower deck will begin to cut. The mower deck should be adjusted to the desired cutting height. The mower should be driven at a steady pace, and the operator should maintain a safe distance from the edge of the cutting area.

When the PTO lever is moved to the "OFF" position, the PTO shaft will stop rotating and the mower deck will stop cutting. The operator should always use caution when operating the mower, and should never reach into the mower deck while it is running.

The mower deck should be inspected regularly for wear and tear. The blades should be sharpened as needed, and the deck should be cleaned after each use. The operator should also check the oil level and the air filter regularly.

When the mower is not in use, the PTO lever should be moved to the "OFF" position, and the tractor should be parked on a level surface. The operator should always use caution when operating the tractor, and should never drink and drive.



When the tractor is operating, the PTO shaft will rotate at a speed of 300 feet per minute. The operator should never reach into the PTO shaft while it is rotating. The operator should also never touch the PTO shaft while the tractor is running.

9.5 50" & 60" Boom Rotary

When the engine is started, the PTO shaft will rotate. To engage the boom rotary, the tractor must be in gear and the boom rotary lever must be moved to the "ON" position. The boom rotary shaft will then rotate and the boom rotary will begin to cut. The boom rotary should be adjusted to the desired cutting height. The boom rotary should be driven at a steady pace, and the operator should maintain a safe distance from the edge of the cutting area.



The boom rotary should be inspected regularly for wear and tear. The blades should be sharpened as needed, and the boom rotary should be cleaned after each use. The operator should also check the oil level and the air filter regularly.

When the boom rotary is not in use, the boom rotary lever should be moved to the "OFF" position, and the tractor should be parked on a level surface. The operator should always use caution when operating the tractor, and should never drink and drive.



When the boom rotary is operating, the PTO shaft will rotate at a speed of 300 feet per minute. The operator should never reach into the PTO shaft while it is rotating. The operator should also never touch the PTO shaft while the tractor is running.



The boom rotary should be used at a maximum speed of 2400 R.P.M. The operator should never operate the boom rotary at a speed greater than 2400 R.P.M.

The engine should not be operated at any time at more than 2400 R.P.M. on the tractor tachometer. The operator should always use caution when operating the tractor, and should never drink and drive.

U []

U []

OPERATION

9.8 Shutting Down the Attached Head- For Standard Equipment

1. Turn the ignition key to the "OFF" position.
 2. Turn the PTO lever to the "STOP" position.
 3. Turn the transmission lever to the "P" position.
 4. Turn the parking brake lever to the "ON" position.
 5. Turn the engine stop switch to the "STOP" position.
 6. Turn the tractor off.



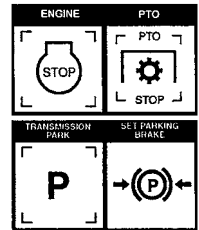
7. Turn the tractor off.



OPERATION



1. Turn the tractor off.
 2. Turn the PTO lever to the "STOP" position.
 3. Turn the transmission lever to the "P" position.
 4. Turn the parking brake lever to the "ON" position.
 5. Turn the engine stop switch to the "STOP" position.
 6. Turn the tractor off.



OPERATION

11.1 Placing Boom Arm on Boom Arm Rest - For Standard Equipment

Ó^f |^ÁÍæ •] [í ç * Á d æ ç | Á ^ ç ^ ^ } Á [& æ ç] • É Æ | Á
 c @ Á d æ ç | Á } * ç ^ É Æ á ^ } * æ ^ Á c @ Á c æ æ @ á Á @ æ æ É
 æ á Á æ æ Á | Á æ | Á @ æ æ Á [ç] Á [Á [{ ^ Á | Á æ [{] | Á ç
 • ç] É Á Ú | æ ^ Á c @ Á á [[{ Á ç Á c • Á ç | æ ^ Á æ | Á ^ Á • c
 • ~]] [| Á æ á Á c @ Á } Á c @ Á ç ^ • æ Á ç æ ç | Á , æ & @ Á ç
 c @ Á Ú Ø Á [• æ ç] É Á



“ Ü^ d æ ç Ó^ & Á Ú [| Á ç | ç á Á | Á [{] | Á ç | É
 “ Ü • @ Ü ^ ç } á æ ^ & ç | ç á Á | Á } [[ç æ | Á É Á
 , æ Á ^ É
 “ Ü æ æ Á Á æ æ Á [[{ Á ç] | [ç æ | Á Á É É
 “ Ü , ç * Á [[{ Á æ Á | , | Á } ç Á ç Á d æ ç @ Á
 á æ É
 “ Ç | Á æ É | ç ç [[{ | Á • ç | Á ç á * | Á [| } } Á
 à [[{ | Á • ç [• æ] Á c @ Á ^ ç } á æ ^ Á c @ Á
 & æ | Á É Ó æ ^ | Á ç ç | Á ç ç & ç * ç ^ Á ç • Á É
 “ Ç | Á ç | ^ } Á ç , Á c | Á [[{ | Á • ç | , | Á c @ Á
 T æ Á [[{ Á } ç Á • ç æ á Á | ç * Á c @ Á ^ ç } á æ ^ Á
 à [[{ Á ç } ç Á ç Á æ ç * Á } Á c @ Á [[{ | Á • ç
 “ Ç | Á ç ^ * ç Á ç , Á c | Á [[{ | Á • ç | Á d æ ç c @ Á
 • ^ ç } á æ ^ Á } & | Á ç ç | ç á Á | Á [{] | Á ç | É Á
 Š , | Á c @ Á Á æ Á [[{ Á } ç Á • ç | Á | , | Á
 ^ ç } á Á c @ Á ^ ç } á æ ^ Á ç á Á | Á ç Á c @ Á
 • ^ ç } á æ ^ Á [[{ Á | } d æ ç Á c @ Á æ Á Á c @ Á [[{ | Á • ç æ á Á É É
 c @ Á ^ ç } á æ ^ Á c @ Á } Á c @ Á ç [ç Á ç ç Á c @ Á [[{ | Á • ç æ á Á É É

V @ Á [[{ Á Á | , Á Á c @ Á ç } [| ç | • æ] É Á | } } Á } Á ^ Á | & ç [} æ Á ç | Á | & • Á c @ Á , æ & @ [ç É
 V | Á [[ç ^ Á c @ Á [[{ Á | } Á c @ Á [[{ Á ^ • ç Á • ç } } Á - Á ç ^ Á | & ç [} æ Á ç | Á | & • Á c @ Á , æ & @ [ç c @ } Á d æ ç
 c @ Á } & | Á ç ç | ç á Á | Á } | æ æ | Á c @ Á , ç * Á c @ Á ^ ç } á æ ^ Á [[{ Á ^ ç | Á c @ Á Á æ Á [[{ Á } | [ç æ | Á
 ç & @ • É Á , ç | Á c @ Á [[{ Á | , æ á Á c @ Á • á á [• æ] É Á OPS-B- 0013_D

OPERATION

OPERATION

OPERATION

Y @}A []^!ææ *A []A` à|æA ![ææ·ÈA @æ^ & }·æ^!ææ } Aí !Á @!Aí ææÁ·^!·ÈÛ` ||Aí Á@Áæ^ [-Á@Áí ææÁ &&æ æ } æí Aí Áæ||, Áæ|Aí ||, æ *Áíæ-æ d Á æ·ÈÖ[Á [O`æ&^áÁ@Á^ æÁ] ^^áÁá æÁ^æ ~[~!Áææ Áí Áí } ææ ææ Áí !Áæ !æ`|c |æÁdææd !·È OÈ æ·Áææ Áæ^!O } Áíæ } [|ç *Á@Áíææd !ææ á { |, ^!Áí } Áí` à|æA[ææ·ÈÖ] ^ææí Áæ Áæ`·Á&ææ·È @Áæ [{ Áææ } á·Áí Áá @Áææ@!Á@ } Á@Áíææd !·æææ [Áæ^ææ~ |Á@!Áæ^Áí Áæ`ææ á^!·È [|·È |æ^Áí à·d` &æ }·Áí Áææ` Áæ^ææ·ÁææÁ æ Áæ^Á } ææÁ ÁæÁ [, ^!Áææ Áí Áæ [{ ÈÁ^Áææ æ } Áæ á !á` &Áí ^^áÁæ@!Áæ^ææ·Áí Áí áá·dææ·Áæ^Áæ @Áæ^æ OPS-B-0016



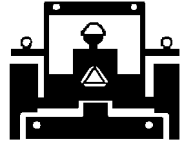
Op-104



DANGER: Do not operate the tractor on a public road. The tractor is designed for use on private property only. Operating on public roads is illegal and dangerous.



WARNING: Do not operate the tractor with a load. The tractor is designed for use without a load. Operating with a load is dangerous and may cause injury or death.



Use the tractor only on private property. Do not operate the tractor on a public road. The tractor is designed for use on private property only. Operating on public roads is illegal and dangerous.



Op-25

Uí { U } ^!ææ } Áí &æ } Áí È H

OPERATION

11.3 Hauling the Tractor and Implement

1. Before towing, ensure the tractor is in Park and the parking brake is set.

2. Attach the tow bar to the tractor's hitch.

3. Connect the safety chains to the tow bar.

4. Attach the tow rope to the tractor's front.

5. Attach the tow rope to the implement's front.

6. Attach the tow rope to the implement's rear.

7. Attach the tow rope to the implement's front.

8. Attach the tow rope to the implement's rear.

9. Attach the tow rope to the implement's front.

10. Attach the tow rope to the implement's rear.

OPS-U-0024



⚠ DANGER

1. Before towing, ensure the tractor is in Park and the parking brake is set.

2. Attach the tow bar to the tractor's hitch.

3. Connect the safety chains to the tow bar.

4. Attach the tow rope to the tractor's front.

5. Attach the tow rope to the implement's front.

6. Attach the tow rope to the implement's rear.

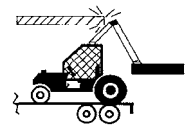
7. Attach the tow rope to the implement's front.

8. Attach the tow rope to the implement's rear.

9. Attach the tow rope to the implement's front.

10. Attach the tow rope to the implement's rear.

OPS-U-0024



1. Before towing, ensure the tractor is in Park and the parking brake is set.

2. Attach the tow bar to the tractor's hitch.

3. Connect the safety chains to the tow bar.

4. Attach the tow rope to the tractor's front.

5. Attach the tow rope to the implement's front.

6. Attach the tow rope to the implement's rear.

7. Attach the tow rope to the implement's front.

8. Attach the tow rope to the implement's rear.

9. Attach the tow rope to the implement's front.

10. Attach the tow rope to the implement's rear.

OPS-U-0025



OPS-U-0024

OPS-U-0025

OPERATION

0E!æ *^Ác@Á&@æ•Á•[Ác@æÁ, @}Áæ @^}^áÆÁc@
 &@æ•Á æ^Á~||æ *Á[], æáÁ æ áÁ æ ææ•c
 c@{•^|ç^•ÆÁæ^~||^Áæ @^}Ác@Á^&|æ *Á&@æ•Á!
 [c@!Áææ^}^Á•Á•æ *Áæ[[{^Á•Á!Áææ á^Á•Áç] |
 {ææ~{Á^}•æ}ÆÁ^Á^Áçd^ {^Á&æ^Á, @}
 æææ@ *Áæ áÁ^ { çæ *Ác@Á^&|æ *Áæçæ^Áæ Ác@
 ^çd^ {^Ác^}•æ}Áæ ç|ç^áÁ, @}Á^|ææ^áÁæ Ác@
] [ç] æææ æ çæ^Á!æ~•Áæ b!^É



Op - 48

Y @^Áæ |æ *Ác@Áçæç!Áæ áÁæ]|^ (^) ç{ æ^
 [ææææ] æ^Á•ç]•Áç Á&@& Ác@æÁc@Áçæç!Áæ á
 æ]|^ (^) ç^æ^Á [ç^áÁ!Á çæ^áæ áÁc@æÁc@
 •^&|æ *Á&@æ•Áçæ^Á æææ^áÁ^}•æ}ÆÁ^Á!æ *
 çæ•][çæææáÁ!æææ *Áæ çæ] Á!}æ *Á!Á, ^|çæ *
 æææ] Á æ^Á!ç|{^áÆÁç] Áææ@Á^çææ^Á çæææ]
 ç Áæ•] ^&Ác@Á^&|æ Á^Áçæ^Á çææOPS-U- 0026

CAUTION

Çææ^Á!Á [ç^Á!^&ç^Áç^Áçæ@Á[[{Á ç!Á} áÁÁ, æá•Ác@Á, ^Áæ^Æææ^Ác@!
]^Á•[}]^Áææ^Á Á[ç] d|ÁÁ, æ *æ *Á [ç] Á @}Á&|æ áÁ!Á ç Á^Á^ { ç^áÆÁ æ^Á!^Ác@
]^Á•[}]^Áæ^Á [çææ]•ææ} Á^Áçæ^Á!Á~•@áÁ^Á, æ *æ *Á[[{Æ

Ü^çææ, æ^Á!æ |æ áÁ!æ áÁ&|Áæ Áæ Áæ^ÆÁç[ç{Á!, æáÁ Ác@Á} ç!Á Áææ^áÆ, ^Á&Á! ç
 c@Áææ^Á^áÆæ áÁ @ç -Ác@Áçæç |ÆV@Áçæç!Áæ áÁc@Á [, ^Ác@æÁ ç^|áÁ [, Á^Á&@æ^áÁ [, }Á^&|Á^
 ç Ác@Áææ^Á^áÆ

CAUTION

Çææ^Á æç^Ác@Á] ^|ææ *Á^&ç}Æ!Áæ^Á c@!Á^&ç}Á^Ác@Á æ~æ^Á [ç{]|^ç!
 ~}á^Á•ç [áÆ] çææ^Á [^ÁVá!Áææ^Á!Á!Ác@Áæá!•Á] Ác@Áçç^Á!Á^Ác@Á æ~æ^Á!
 æ•ææ&^Á

Ç [{ U] ^|ææ } Á^&ç } ÁÆ í

OPERATION

OPERATION

Ó[{

U] ^! aã } Á^ &ã } ÁÈ î

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 end of grease gun and zerks 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 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)



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**

MAINTENANCE

MAINTENANCE

whenever a wheel is removed and reinstalled.



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)



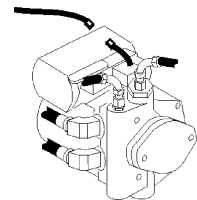
Do not modify or alter this Implement. Do not permit anyone to modify or alter this Implement, any of its components or any Implement function. (SG-8)



Relieve hydraulic pressure prior to doing any maintenance or repair work on the Implement. Place the Mower Head on the ground or securely supported on blocks or stands, disengage the PTO, and turn off the engine. Push and pull the control Levers or Joystick several times to relieve pressure prior to starting any maintenance or repair work. (SBM-6)



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)



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 maintenance section |
| Pump Drive Shaft Coupler | Check and Lube | Insure drive shaft end play |
| Pivot Points | Lubricate | Inject grease until it appears at end |
| Hydraulic Fittings | Check for leaks | Tighten when needed. Do Not use hands to check for leaks, see maintenance precautions |

Saber

Maintenance Section 4-3

MAINTENANCE

MAINTENANCE

| ITEM | SERVICE | COMMENTS |
|---|--------------|--|
| Knives | Check | Inspect for missing or damaged knives, change as needed or sharpen as needed. |
| Spindle mounting bolts (spindle to deck) | Check | 3/4" x 2" torque or 3/4" x 2-1/2" bolts to 331ft. lbs. |
| Knife mounting bolts (knife to disk or blade bar) | Check | Pre-lubricate threads, then torque: 1-1/8" bolts to 800 ft. lbs. 1-3/4" bolts to 2,000 ft. lbs. |
| Disk or blade bar mntg bolts (disk or blade bar to spindle) | Check | Retorque bolts 3/4" bolts to 500 dry or 330 oiled ft. lbs. 5/8" bolts to 204 dry or 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 |

WEEKLY OR EVERY 40 HOURS

| ITEM | SERVICE | COMMENTS |
|-----------------------|-----------|--|
| Rotary Spindle | 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 hrs. yearly or if indicated by the restriction indicator. |

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 480/85R34 16.9-38 | Max P.S.I. 26 29 | |

YEARLY OR EVERY 500 HOURS

| ITEM | SERVICE | COMMENTS |
|--|---------|----------|
| Spindle Grease | Change | |
| Hyd. Tank Fluid | Change | |
| In Tank Hyd. Fluid Filter (10 micron filter) | Change | |
| Hyd. Tank Breather | Change | |

MAINTENANCE

MAINTENANCE

TROUBLESHOOTING

| SYMPTOMS | CAUSE | REMEDY |
|------------------------------------|---|---|
| Vibration | <ol style="list-style-type: none"> 1. Loose Bolts 2. Cutter assembly Unbalanced | <ol style="list-style-type: none"> 1. Check all bolts and tighten to recommended torque specifications 2a. Check for damage blades, disc or cutter shaft. Replace if needed. 2b. Check for wire, rope, etc. entangled in the cutter assembly |
| Mower will not lift | <ol style="list-style-type: none"> 1. Hyd. Fluid Low 2. Leaks in line 3. Faulty relief valve 4. Kinked or blocked 5. Faulty cylinder | <ol style="list-style-type: none"> 1. Check and refill Hyd Fluid 2. Tighten or replace fittings and hoses 3. Check pressure in line. Line pressure in Control Valve should be at least 2500 P.S.I. 4. Clean or replace lines 5. Inspect, repair or replace cylinder |
| Mower will not start or run | <ol style="list-style-type: none"> 1. Blown fuse 2. Ball valves closed 3. Low oil level 4. Line leak 5. Electronic solenoid faulty | <ol style="list-style-type: none"> 1. Check fuse between mower switch and ignition/replace 2. Make sure valves are open 3. Check Hyd. tank and fill 4. Check all fittings and lines, re-tighten or replace 5a. Without the tractor running, turn the mower switch to on. A low audible click is not heard if the solenoid is engaging the solenoid spool. If click is not heard, leave switch in on position and with a screwdriver 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. 5b. 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. 5c. Remove large nut on side of large valve block. Remove spring, and use needle nose vise grip to pull spool from block. Check block for contaminates and scratches. Clean parts or replace if scratched. |

MAINTENANCE

Motor runs but will not cut.

1. Belts
2. Tensioner

1. Inspect belts and pulleys. Replace belts and repair as needed.
2. Adjust tensioner nut flat washer washer is flush with top of guide.

Mower turns slowly or not at all.

1. Contaminants restricting spool movement in valve body.
2. Suction lines obstructed
3. Low oil level

1. 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.
2. Check for kinks or obstruction in suction hose.
3. Check Hyd. tank level and fill.

Pump will not work

1. Excessive wear on internal parts

1. Disassemble and repair.

Motor will not work

1. Excessive wear on internal parts

1. 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

LUBRICATION RECOMMENDATIONS





| Description | Application | General Specification | Recommended Mobil Lubricant |
|---|-------------|--|---|
| Tractor Hydraulics | Reservoir | JD-20C | Mobilfluid® 424 |
| Mower Hydraulics Cold Temperatures 0° F Start-Up | Reservoir | ISO 46 Anti-Wear-Low Temp | Mobil DTE® 15M |
| Normal Temperatures 15° F Start-Up | | ISO 46 Anti-Wear | Nuto®H46, Mobil DTE®25 |
| Cutter Shaft & Ground Roller Shaft(Flail) | Grease Gun | Lithium-Complex NLGI 2-ISO 320 | Mobil Delvac® Xtreme Grease Mobilgrease CM-S |
| Drive Shaft Coupler (Flail and Rotary) | Grease Gun | Lithium-Complex NLGI 2-ISO 320 | Mobil Delvac® Xtreme Grease Mobilgrease CM-S |
| Drive Shaft Yoke, U-joint & Stub Shaft | Grease Gun | Lithium-Complex NLGI 2-ISO 320 | Mobil Delvac® Xtreme Grease Mobilgrease CM-S |
| Boom Swivel Boom Cylinder Pivots (Rotary & Flail Boom) | Grease Gun | Lithium Complex NLGI 2-ISO 320 | Mobil Delvac® Xtreme Grease Mobilgrease CM-S |
| Deck Boom Pivot & Deck Stop Adjustment (Rotary & Flail) | Grease Gun | Lithium Complex NLGI 2-ISO 320 | Mobil Delvac® Xtreme Grease Mobilgrease CM-S |
| Deck Spindle(Rotary) | Grease Gun | Lithium Complex NLGI 2-ISO 220, PAO Synthetic Grease | Mobilith SHC 220, Tiger Part #06540000 |

MAINTENANCE





MAINTENANCE

MAINTENANCE

TORQUE SPECIFICATIONS

| 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 | 126 | 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 | 836 | 966 | 1288 | 1132 | 1283 | 1510 |
| 1 1/4 | 7 | 375 | 450 | 500 | 840 | 952 | 1121 | 1163 | 1363 | 1545 | 1817 | 1597 | 2130 |
| 1 1/2 | 6 | 652 | 783 | 869 | 1462 | 1657 | 1950 | 2031 | 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 D = Nominal Diameter
 K = 0.20 for plain and dry conditions F = Clamp Load

| 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

*These are general specifications. Check your tractor operators or service manual for exact specifications.

MAINTENANCE

POLYCARBONATE CARE & MAINTENANCE

The proprietary 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(1) | Top Job(2) | Joy(2) | Mr Clean(2) |
| Fantastik(3) | Formula 409(4) | 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 lint removal tools work 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.

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

MAINTENANCE

MAINTENANCE

RECOMMENDED FILLING INSTRUCTIONS FOR HYDRAULIC RESERVOIRS

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

The reservoir should be filled to the middle of the sight glass on the side of the tank. Do not over-fill. The reservoir has been over-filled when oil completely covers sight glass. If tank has too much oil, the excess may be expelled through the pressurized breather.



DETAILED MAINTENANCE

REPLACING IN-TANK HYDRAULIC FILTER:

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



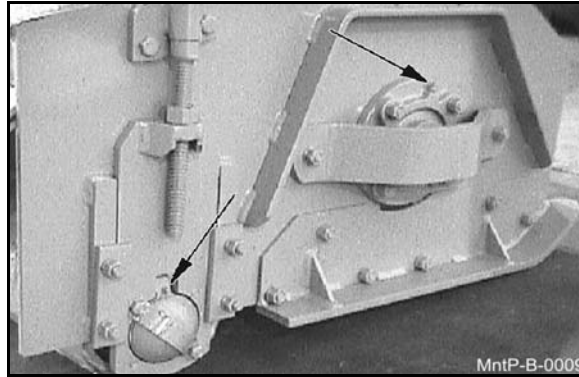
MAINTENANCE

MAINTENANCE

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 pump in each bearing, using Lithium-Complex Extreme Pressure grease confirming 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

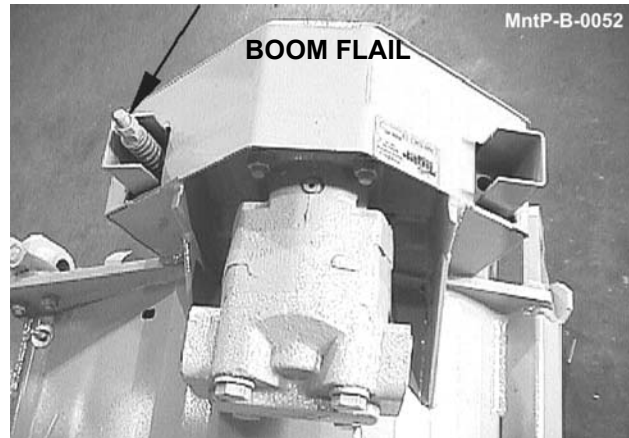
Locate grease zerks on each end of roller tube at lower end of head. Normal conditions require one or two pump in each bearing, using Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications. This is to be done with a standard grease gun daily or at **8 hour intervals**. **CAUTION: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



MAINTENANCE

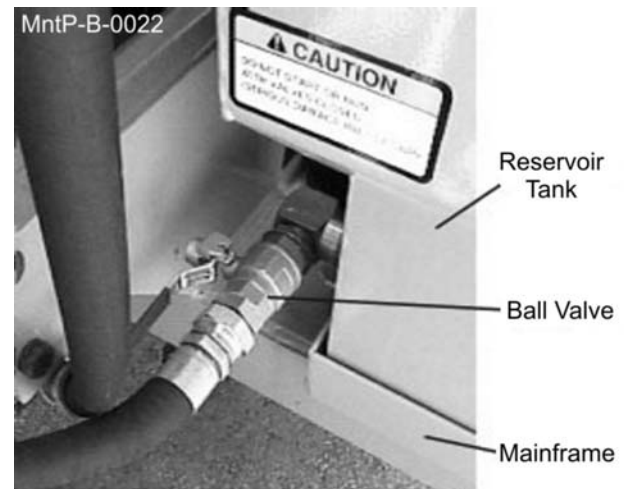
ADJUSTING/CHECKING BELT TENSION

To adjust belt tension or replace belts on flail cutter head, remove four bolts that secure belt to cover and remove cover. The hex nuts shown below can be adjusted to increase/decrease the belt tension as needed. **(NOTE: Location of adjustment nuts may vary on flail cutter heads.) Be sure to replace the belt cover BEFORE operating mower!**



BALL VALVES

The ball valve at the hydraulic reservoir may need to be closed during certain maintenance or repair procedures. **THE BALL VALVES 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!



MAINTENANCE

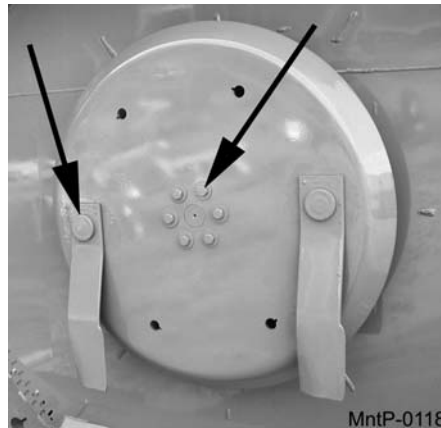
MAINTENANCE

TIGHTENING KNIFE BOLTS AND DISK BOLTS:

BOOM ROTARY - After every 8 hours of operation or daily, the Knife Bolts and Disk Bolts should be tightened as follows:

Knife mounting bolts (2ea.) torque to 1070 ft. lbs. dry.

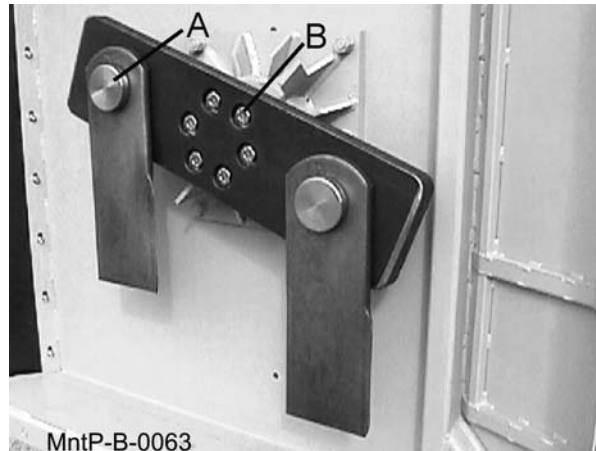
Disk mounting bolts (6ea.) torque to 204 ft. lbs. dry.



BOOM ROTARY

SABER ROTARY - Knife mounting bolts (A): Torque to 2000 ft. lbs., recheck daily

Disk mounting bolts (B): Torque to 330-360 ft. lbs. lubed (Locktite® 271) or 500 ft. lbs. dry (plated bolts), recheck daily



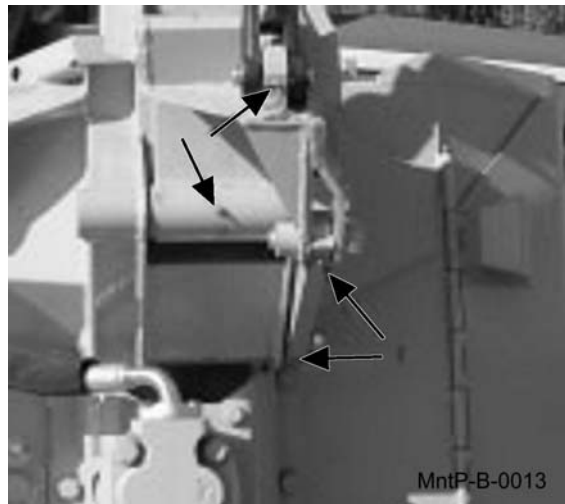
SABER ROTARY

MAINTENANCE

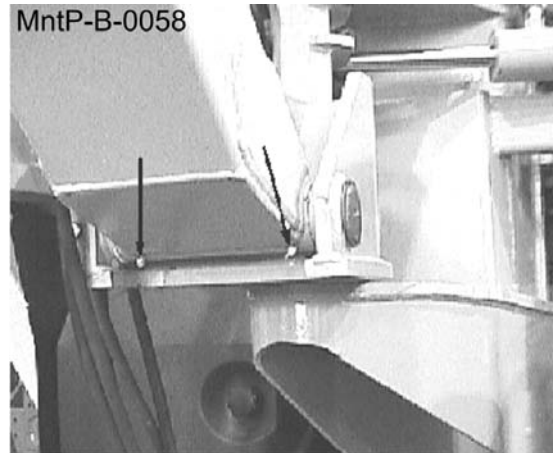
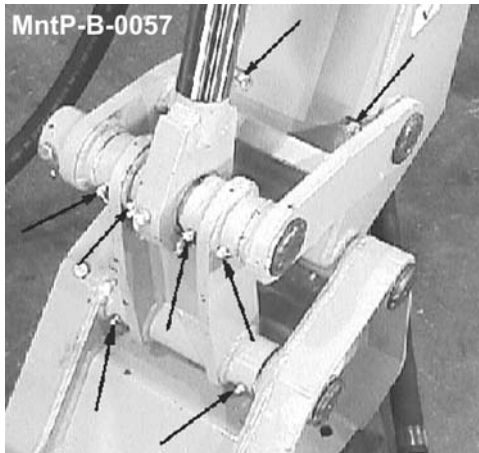
MAINTENANCE

GREASING POINTS ON BOOM AND PIVOT

Locate grease zerks (8) on deck pivot assembly, (2) on the deck end of secondary boom, (2) at main/secondary boom joint, and (2) at swivel end of main boom. Inject Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications until grease begins to protrude from ends.



BOOM / CHEETAH

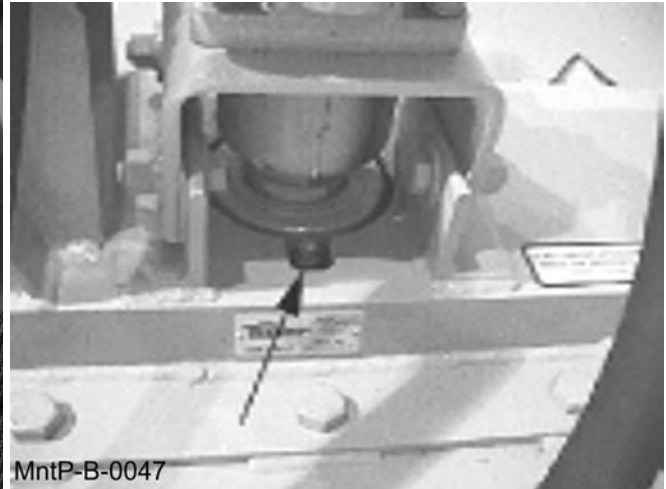


MAINTENANCE

MAINTENANCE

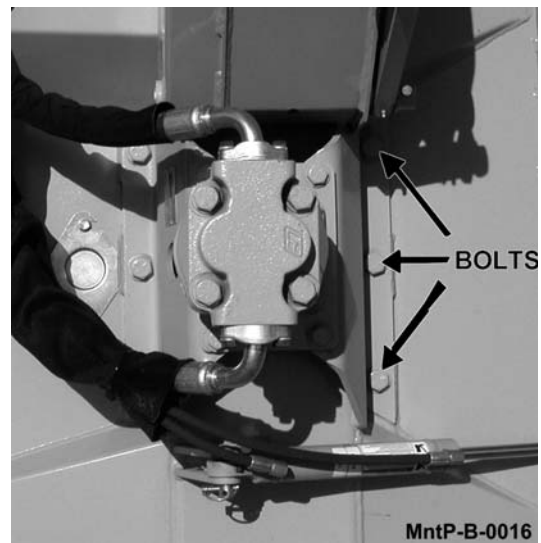
GREASING SPINDLE

Locate grease fitting on inside of deck housing. Inject Tiger Spindle Lubricant, part number 06540000 into spindle housing. Fill with lubricant until lubricant weeps out of top spindle seal. Lubricate spindle weekly or every 40 hours of use.



TIGHTENING SPINDLE BOLTS

The spindle mounting bolts should be checked and retorqued daily or every 10 hours of service. Torque the (6) bolts shown below to 331 ft. lbs.

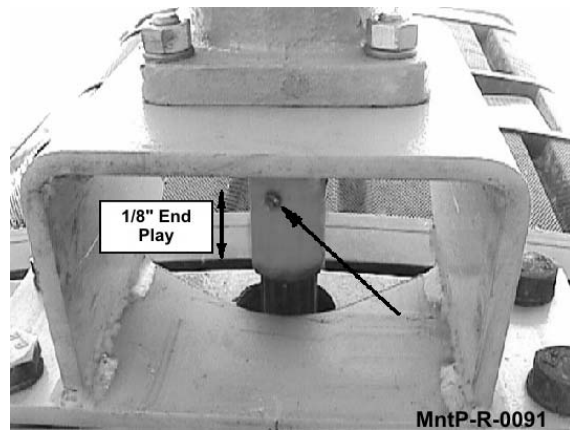


MAINTENANCE

MAINTENANCE

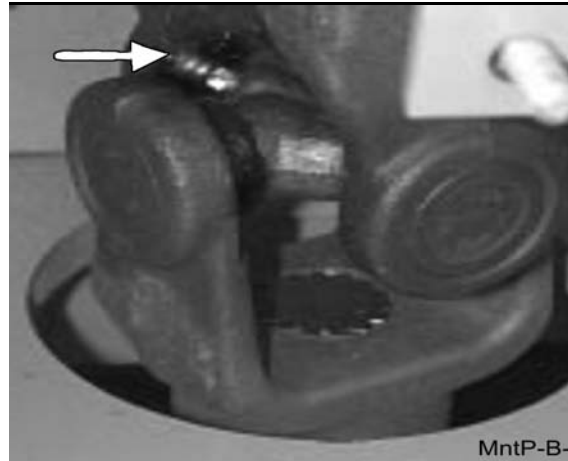
GREASING PUMP DRIVE SHAFT COUPLER

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.



DRIVE SHAFT YOKE, U-JOINT 7STUB SHAFT

With engine stopped, inject Lithium -Complex extreme pressure grease conforming to NLGI2-ISO 320 specifications into universal joints and slip yoke until grease appears at the seal. Grease them daily or every 8 hours.

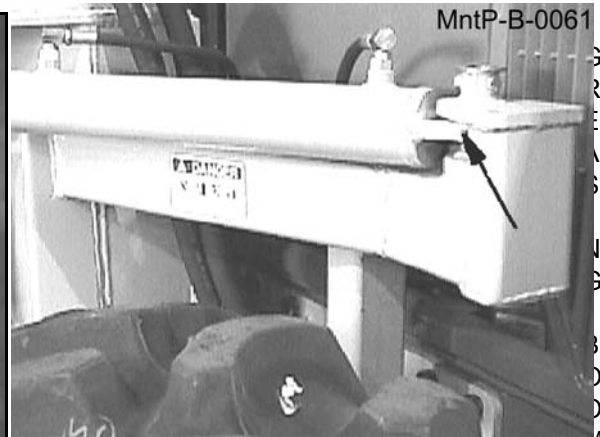
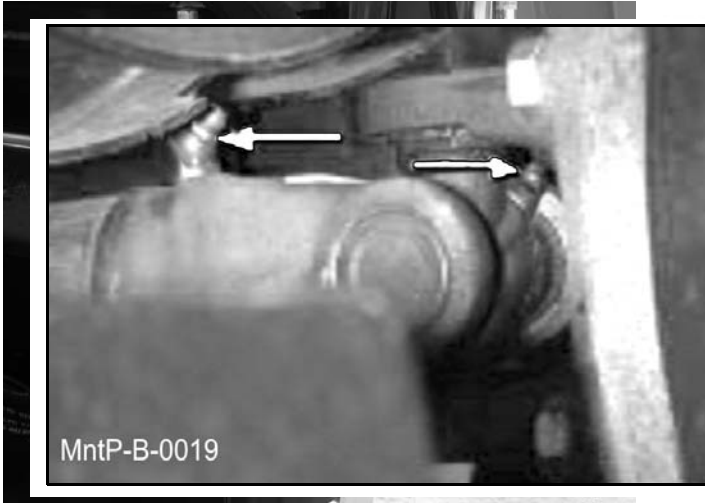


MAINTENANC

MAINTENANCE

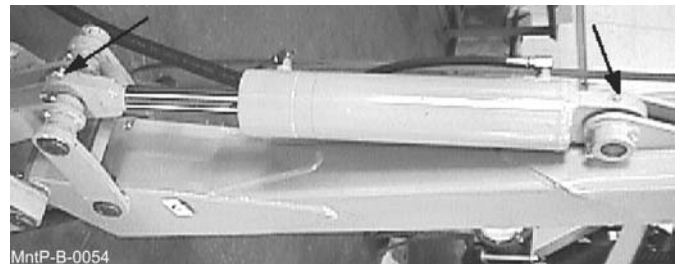
GREASING THE BOOM SWIVEL

Locate the zerks on the main swivel boss (2) (see next page), main boom pivot boss (2) and on both ends of the boom swivel cylinder. Inject Lithium-Complex Extreme Pressure grease conforming to NLGI2-ISO 320 specifications until grease begins to protrude from ends.



GREASING BOOM CYLINDER(S) PIVOT POINTS

Locate the zerk on the butt end tang of cylinder and on rod end tang. Inject Lithium-Complex Extreme Pressure grease conforming to NLGI2- ISO 320 specifications until grease begins to protrude from ends. This procedure is to be used on the main boom cylinder, secondary boom cylinder, deck pivot, and swivel cylinders daily or at 8 hour intervals.



MAINTENANCE

MAINTENANCE

Blades

Check the Blades for cracks and wear and Blade Bolts for tightness, daily. Blades should be replaced when they are worn excessively, bent, deformed, or out of balance.

CAUTION

Blades should always be replaced in pairs. Blades of different weights can cause serious imbalance and damage to the machine and personnel. When replacing blades, take care to replace the blade bolts, nuts, and washers.

Important




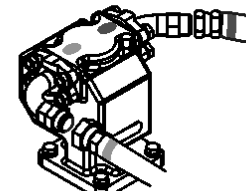
Make sure the mower blades are turning clockwise when looking down from the top of the mower. Follow the color coding on the hydraulic hoses and fittings to make sure the motor and hydraulics hoses are assembled properly. Connect the red hose connection only to red fitting. Connect the blue hose connection only to the blue fitting. The blade rotation on the leading edge of the mower should discharge the cut material away from the tractor and operator.

WARNING

If the leading edge of the mower blades are rotating backwards they can discharge material toward the operator. If this occurs discontinue mowing immediately and reverse the direction of the motor rotation by correctly installing the motor pressure and return hoses. Contact your dealer or Alamo Industrial for specific information on the hose routing. (MNT-B-0001)



1.

| | |
|---|--|
| ⚠ WARNING | ⚠ ADVERTENCIA |
| TO AVOID SERIOUS INJURY AND DEATH FROM THROWN OBJECTS: <ul style="list-style-type: none"> • MAKE CERTAIN blades rotate the correct direction. | PARA EVITAR LESION SERIA O MUERTE POR OBJETOS LANZADOS: <ul style="list-style-type: none"> • ASEGURE que las cuchillas giran en la dirección correcta. |
| BLADE ROTATION  ROTACIÓN DE CUCHILLAS | |
|  Return Retorno BLUE |  Pressure Presión RED |
|  | |
| D619 | |

MAINTENANCE

ROTARY KNIFE REPLACEMENT

1. Be sure you have a complete matching set of new knives for replacement.
2. Remove knives and inspect holes for damage. Also watch for cracks in the disk around the holes.
3. Lube threads with anti-seize, motor oil or grease. Install bolts through knife and disk from bottom side of disk. Install new self-locking nuts and torque them to 800 ft. lbs.
4. The knives should swing freely to absorb shocks from impact when striking objects.



WHEN CUTTING HEAVY BRUSH, KNIFE BOLTS SHOULD BE INSPECTED HOURLY AND RETORQUED TO 1070 DRY OR 800 OILED FT. LBS.

REPLACEMENT OF ROTARY DISK



Failure to follow the following warnings and instructions may result in serious injury or damage to the equipment or property!

1. The bolts that attach the disk to the spindle must be grade 8. These 5/8 inch bolts are to be torqued to 204 dry or 184 oiled ft. lbs.
2. A thread locking agent may be applied to threads of all mounting bolts before they are installed.
3. **Disks must be inspected daily for hairline cracks between spindle mounting bolts or around the knife mounting bolts. These cracks indicate metal fatigue caused by severe abuse. If cracks are present the disk must be replaced.**
4. Inspect the disk mounting bolts daily when checking tightness of knife mounting bolts. If a disk mounting bolt is loose, it must be removed, threads cleaned, fresh thread locking agent applied, and tightened to proper torque value.
5. If a knife mounting bolt is loose, the self locking nut must be replaced as a safety precaution. Lubricate threads with anti-seize, grease or motor oil. Install bolts through knife and disk from bottom side of disk. Install self locking nuts and torque them to 800 ft. lbs.

MAINTENANCE

Flail Blades Inspection

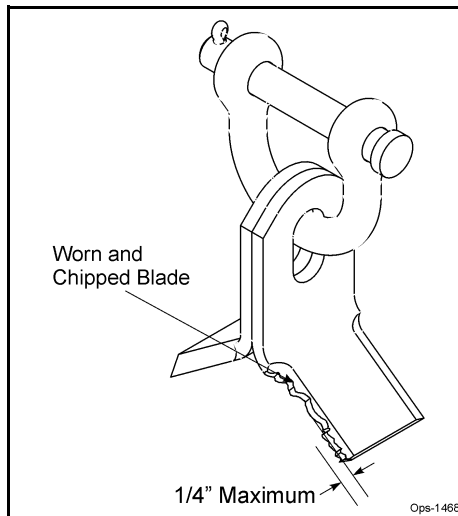


Inspect the Blades daily for abnormal wear. REPLACE ALL BLADES on the carrier IMMEDIATELY if any blades have:

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

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

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



Always replace blades in sets

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

Important

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



Never attempt to sharpen blades. OPS-U-0044

MAINTENANCE

Blade Pins and D-Ring Inspection

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

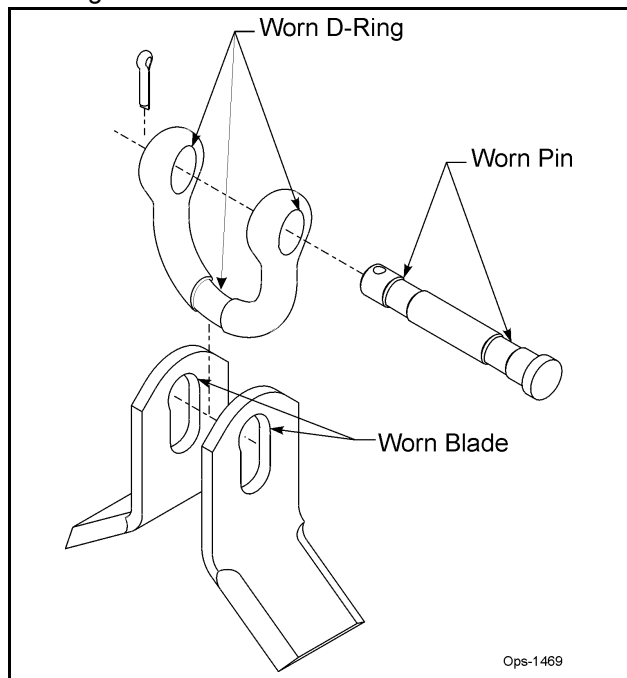


Inspect the Blade pins and D-Rings daily for abnormal wear. Make sure the cotter pins are in place and properly spread. REPLACE BLADE Pins and D-Rings IMMEDIATELY if they have:

- 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

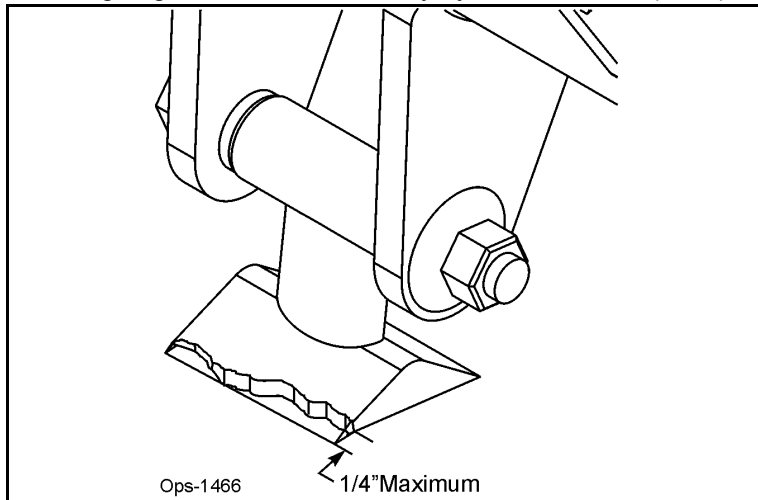
MAINTENANCE

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:

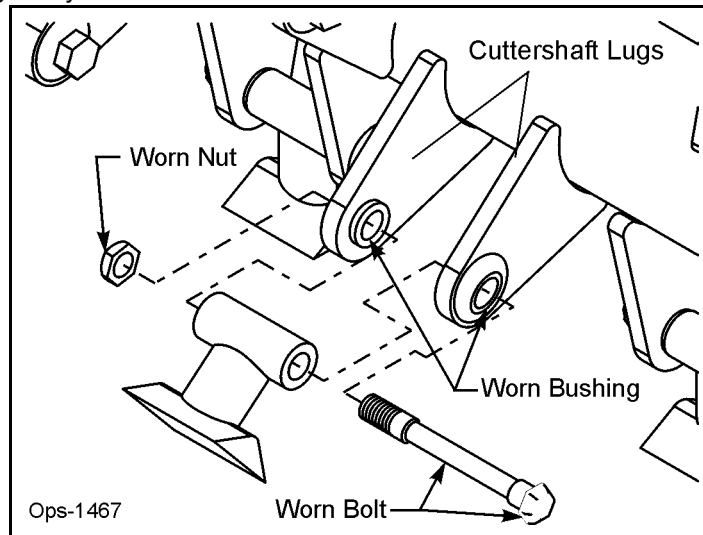


Inspect the Blade Bolt daily for abnormal wear. REPLACE ALL BLADE BOLTS on the carrier IMMEDIATELY if any bolts have:

- 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



50" FLAIL KNIFE BLADE 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. The knife should not be welded on for any reason.
2. Always replace the knife bolts when replacing the knives. DO NOT REUSE THE KNIFE BOLTS OR NUTS.
3. Assemble knives, bushings, bolts and nuts as shown in part section of the manual.
4. Install the locking hex nut so that the flat face of the nut is towards the knife.
5. Apply Loctite® "271" or equivalent to threads.
6. 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 becomes loose, or required removal for knife replacement or any other reason, they must be discarded and replaced with new nuts.

MAINTENANCE



Knives should not be welded on for any reason.

50" FLAIL KNIFE BLADE REPLACEMENT (Light Brush Grass)

7. 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. The knife should not be welded on for any reason.
8. Always replace the knife bolts when replacing the knives. DO NOT REUSE THE KNIFE BOLTS OR NUTS.
9. Assemble knives, bushings, bolts and nuts as shown in Parts Section of the manual.
10. Install the locking hex nut so that the flat face of the nut is towards the knife.
11. Apply Loctite 271 or equivalent to threads.
12. Torque nut to 50 ft. lbs. Knife must swing freely.



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

50" FLAIL KNIFE BLADE REPLACEMENT (Medium Brush Grass)

13. 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. The knife should not be welded on for any reason.
14. Always replace the knife bolts when replacing the knives. DO NOT REUSE THE KNIFE BOLTS OR NUTS.
15. Assemble knives, bushings, bolts and nuts as shown in Parts Section of the manual.
16. Install the locking hex nut so that the flat face of the nut is towards the knife.
17. Apply Loctite 271 or equivalent to threads.
18. Torque nut to 120 ft. lbs. Knife must swing freely.



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

50" FLAIL KNIFE BLADE REPLACEMENT (Heavy Duty Brush)

19. 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. The knife should not be welded on for any reason.
20. Always replace the knife bolts when replacing the knives. DO NOT REUSE THE KNIFE BOLTS OR NUTS.
21. Assemble knives, bushings, bolts and nuts as shown in Parts Section of the manual.
22. Install the locking hex nut so that the flat face of the nut is towards the knife.
23. Apply Loctite 271 or equivalent to threads.
24. Torque nut to 176 ft. lbs. Knife must swing freely.



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

MAINTENANCE

63" BOOM 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 part section of 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.

FLAIL AXE KNIFE REPLACEMENT

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. The knives should not be welded on for any reason. When replacing knives, replace bushings, bolts and locknuts.

Apply Loctite® "271" or equivalent to threads and install the locking hex nuts so that the flat face of the nut is towards the knife. Torque the hex nut to 159 ft. lbs.



DO NOT re-use the locking hex nuts for mounting the knives. If hex nut becomes 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.

MAINTENANCE

HEAVY DUTY SPINDLE ASSEMBLY INSTALLATION AND BEARING ADJUSTMENT



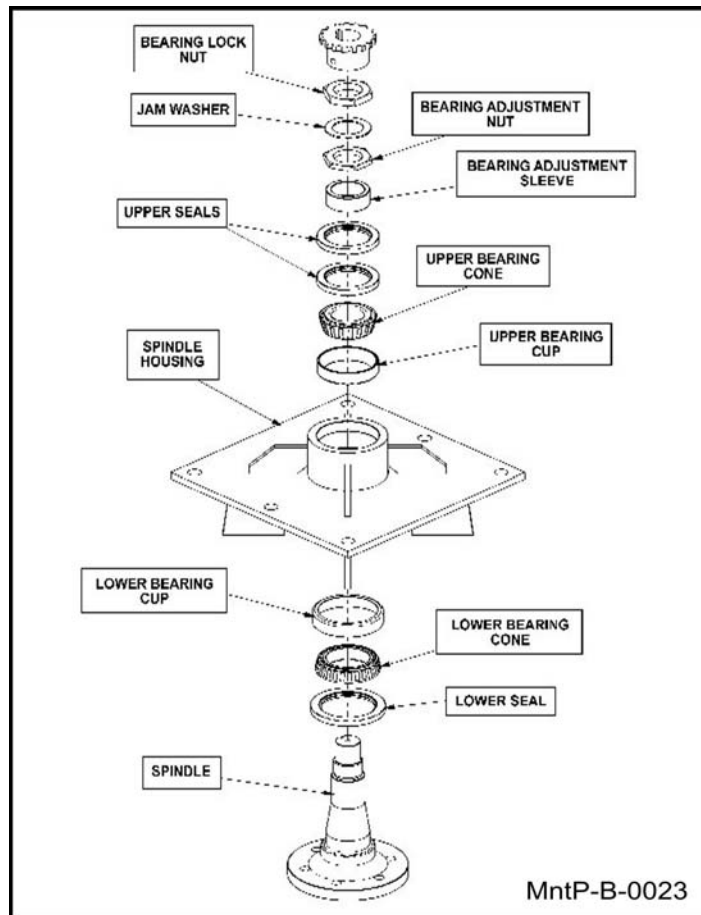
A press MUST be used to install bearing cups, bearing cones, and seals. DO NOT use a hammer to install races, bearings, or seals. The parts of assembly may be damaged.

NOTE: The grease zerk and gussets are located on the top side of the spindle housing. Be sure the spindle is assembled correctly.

Be sure to wear eye protection and other protective equipment as needed when working on spindle assembly.

THE SPINDLE ASSEMBLY

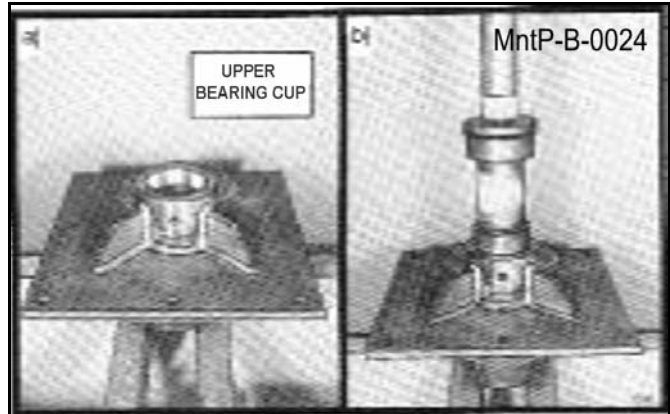
See the diagram below for identification of spindle parts, while servicing.



MAINTENANCE

SWIVEL BEARING INSTALLATION

1. Press upper bearing cup in to the spindle housing
2. Turn the spindle housing over and press in the lower bearing cup.
3. Place the lower bearing cone in the bearing cup. Next press the seal into the spindle housing. The inner lip of the seal must be DOWN, towards the bearing, so lubricant is sealed inside the housing.
4. Install the spindle in the housing. Lightly tap the end of the spindle with a soft faced hammer to seat the spindle against the bearing inner race.
5. Turn the spindle housing over (up position) and fill with Tiger Spindle Lubricant (part number 06540000) to the top edge of the upper bearing cup.
6. Support the bottom of the spindle and press the upper bearing cone and bearing adjustment sleeve onto the spindle.

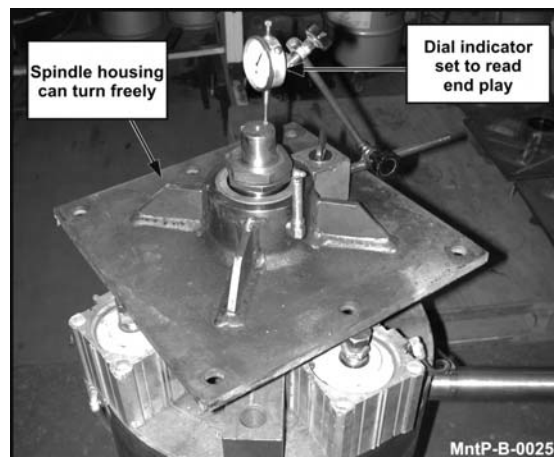


NOTE: The spindle housing must turn freely when seating the bearing cone and sleeve.

7. Press the two upper seals into the spindle housing. The inner lip of the seals must be UP, away from the bearing, so excess lubricant can escape.
8. Install the bearing adjustment nut (thin nut) so there is 1-1/6" clearance between the nut and the sleeve. Install the jam washer, placing the tab into the key-way. Install the bearing locknut (thin nut) and hand tighten against jam washer and adjustment nut. See the following section for bearing adjustment.

SWIVEL BEARING ADJUSTMENT

1. Clamp the bottom end of the spindle securely in a vise so the spindle housing turns freely.
2. Position a magnetic base dial indicator on the outer diameter of the spindle housing. Locate the end of the dial indicator against the flat end of the spindle shaft. The dial indicator will now measure accurately bearing end play.
3. Tighten the bearing adjustment nut until there is .012 inch movement when the spindle housing is pried upward away from the vise jaws.
4. When there is .012 inch free play between the spindle and housing, install the bearing lock nut (thick nut). Hold the adjusting nut securely and tighten the lock nut to 300 ft. lbs. of torque.
5. After the lock nut is tightened, there must be .001 inch to .003 inch of free play when lightly prying up on the spindle housing.



If the end play is correct, .001 inch to .003 inch, bend tabs up on jam washer to prevent the locknut from loosening.

If the end play is NOT correct, loosen the lock nut and turn the adjustment nut as required and re-tighten the locknut. Repeat first part of step 5.

MAINTENANCE

Boom Cylinder Removal and Replacement Instructions

1. Clear the area of all personnel before lowering the boom mower head.
2. From the tractor seat with your seat belt fastened around you, Lower the boom mower head to the ground. Extend the boom to the furthest reach and lower the mower head flat on the ground. DO NOT attempt to replace the cylinders with the boom in the raised or transport position.
3. Shut off the tractor, engage the parking brake, place the tractor transmission in the park position, and remove the key before dismounting.
4. Allow the system to cool to room temperature before removing any hydraulic components
5. Wear Safety glasses and impenetrable gloves when working with hydraulic hoses and fittings.
6. Release all oil pressure from the hydraulic circuit by manually stroking each valve section with the tractor engine off. Utilize the Manual Override function if the unit is equipped with an electric over hydraulic valve.
7. Utilize blocks, jack stands or a suitable overhead hoist to support the weight of the boom section and remove pressure from the cylinder mounting pins.
8. Check to see that the cylinder to be replaced is not under pressure by moving the cylinder pins by hand. The pins should be loose and should slide from the pin bore easily. If the pins are tight and cannot be moved, the cylinder may be under pressure. Make sure the boom components are properly supported and that the pressure is relieved from the circuit.
9. Cylinder assemblies are heavy and can fall when the pins are removed. Support the hydraulic cylinder with a suitable hoist or jack.
10. Slowly loosen the hydraulic connections to the cylinder. Carefully unscrew hose fitting and allow any remaining pressure to bleed off. Use Extreme Care. Oil must be cool, and the technician should stand to the side to prevent exposure to any hydraulic oil. Always consult the Material Safety Data Sheet and wear any required Personal Protective Equipment. A catch pan may be required to retain any spilled oil.
11. Cap both ends of the fitting with suitably sized metal caps.
12. Remove the cylinder pins starting with the ROD end cylinder pin. Make sure the cylinder is properly supported, and remove the base end cylinder pin. The cylinder may be heavy, use proper lifting techniques to lift and handle the cylinder. If needed, get assistance from another person to safely lift the cylinder from the machine.
13. Measure the distance between the cylinder pin holes and extend the new cylinder the correct length prior to attempting an installation.
14. Install the new cylinder in place and install both cylinder pins and retaining hardware.
15. Remove the metal caps, and re-install the hydraulic hoses.
16. Check the hydraulic reservoir of the boom mower to ensure there is sufficient oil. Follow the manufacturer's recommendations for proper oil type and filtering techniques and requirements to add oil to the system.
17. Clear the area of all persons prior to starting the tractor.
18. Consult the Operator's Manual for instruction in regard to the proper operating procedure.
19. From the tractor seat, with the seat belt fastened, operate the boom to ensure proper operation of the boom function.
20. From the tractor seat, with the seat belt fastened, operate the boom controls to fully extend and retract the new cylinder several times to purge any trapped air from the system.
21. From the tractor seat, with the seat belt fastened, look for signs of and oil leak. If an oil leak is observed, shut the tractor down and follow the steps to remove pressure from the hydraulic circuit. Identify the source of the leak, and resolve the issue.
22. Upon completion of the required repairs, return to Step # 16 to recheck the cylinder for proper operation. (MNT-B-0002)

MAINTENANCE

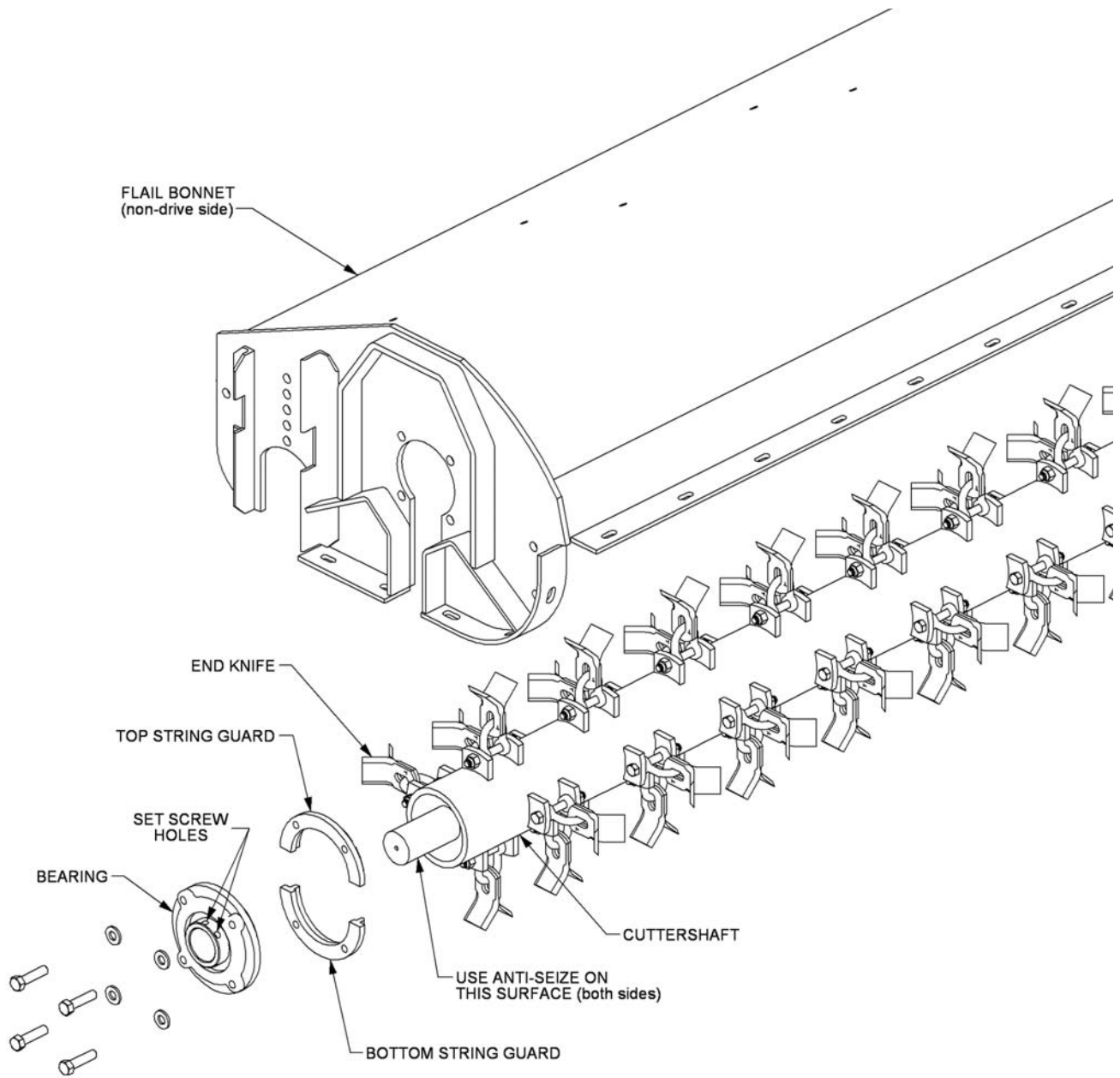
CUTTERSHAFT BEARING REPLACEMENT

1. Remove existing cuttershaft, bearings and string guards.
2. Make sure that the end knives on each end of the cuttershaft are orientated 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 proc edure (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



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: If required with drive shaft/coupler check for end play 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.
- _____ Knife Bolts (SABER 1-3/4"): Check/Torque to 2,000 ft. lb.
- _____ Bolts - Disk/Spindle (SABER 3/4" x 2"): Check/Torque to 331 ft. lb.
- _____ Belts: Check/Tighten/Replace belts as needed.
- _____ Main Frame/Deck: Unless otherwise specified retorqued 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: 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

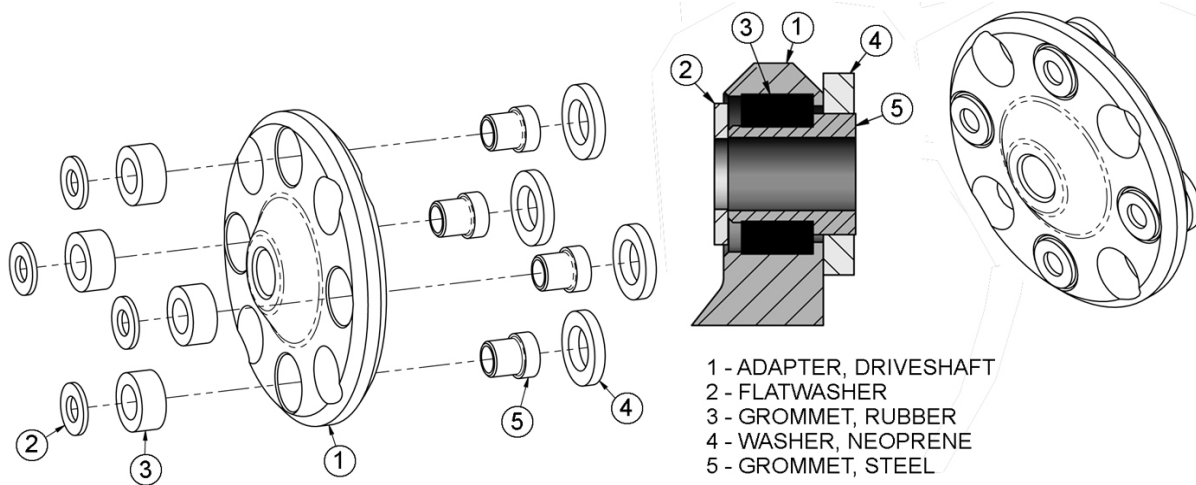
**This page may be copied and used as part of the daily maintenance routine.

MAINTENANCE

MAINTENANCE OF CRANKSHAFT ADAPTER ASSEMBLY (RIGID ENGINE MOUNT TRACTORS ONLY)

If replacement of components of the crankshaft adapter assembly is required, follow the assembly procedures shown below. Seat rubber grommet completely into counterbore, then seat steel grommet completely into rubber grommet while rubber grommet is supported.

(ASM-JD-0051 CRANKSHAFT ADAPTER MAINTENANCE)



MAINTENANCE

MAINTENANCE

MAINTENANCE

PARTS SECTION

PART NAME INDEX

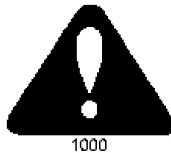
| | |
|---|----|
| PARTS ORDERING GUIDE..... | 3 |
| TRACTOR MOUNT KIT..... | 4 |
| TRACTOR MOUNT KIT - HYDRAULICS..... | 6 |
| SABER BOOM MOUNT..... | 8 |
| ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT..... | 10 |
| JOYSTICK AND SWITCHBOX MOUNT..... | 12 |
| AXLE STABILIZER - VERSION ONE..... | 14 |
| AXLE STABILIZER - VERSION TWO..... | 16 |
| SABER BOOMREST..... | 18 |
| POLYCARBONATE SAFETY WINDOW..... | 19 |
| WHEEL SPACER..... | 20 |
| WHEEL WEIGHT - SABER..... | 21 |
| WHEEL WEIGHT - SABER BAR AXLE..... | 22 |
| WHEEL WEIGHT - SABER XB..... | 23 |
| WHEEL WEIGHT - SABER XB BAR AXLE..... | 24 |

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.

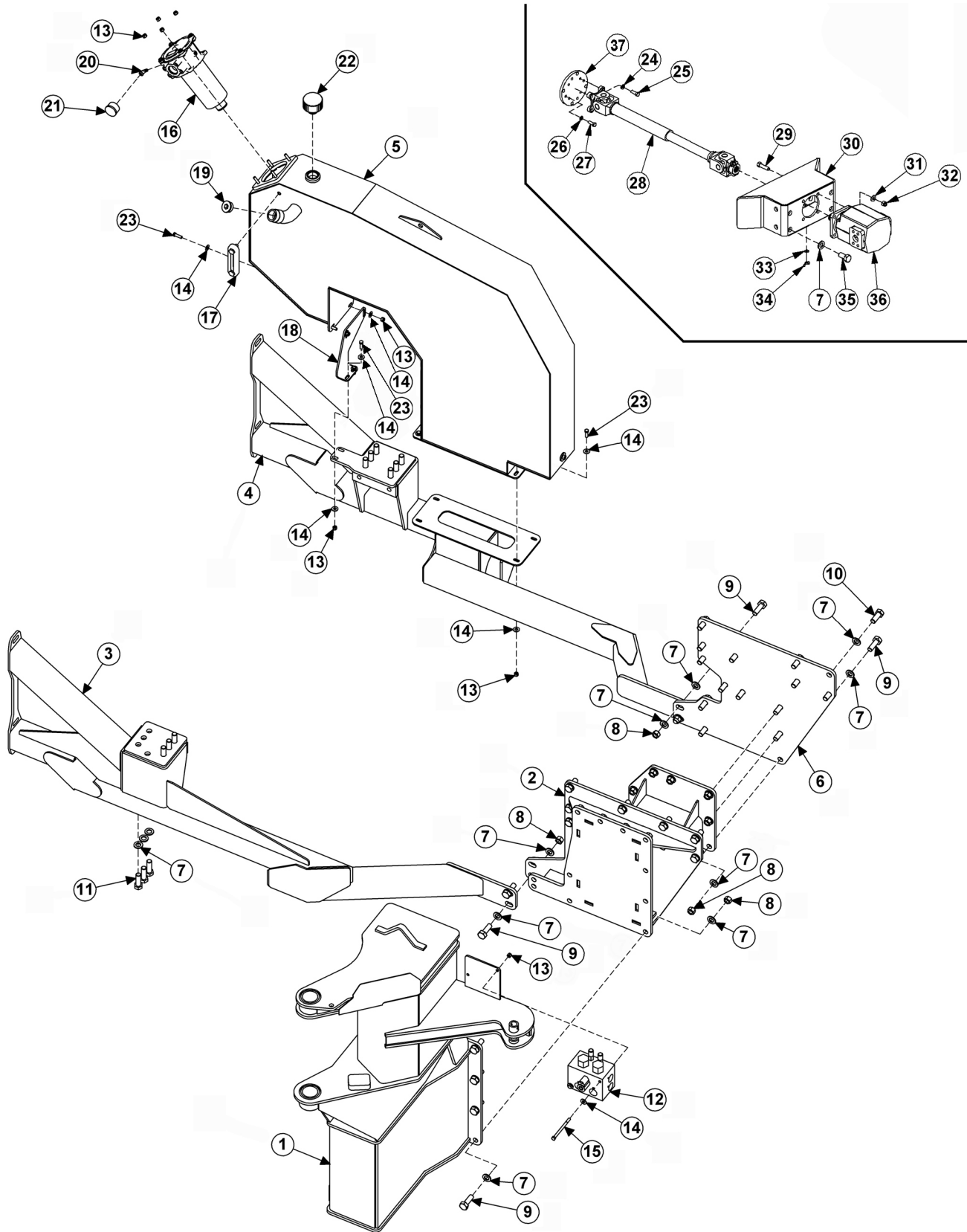


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

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



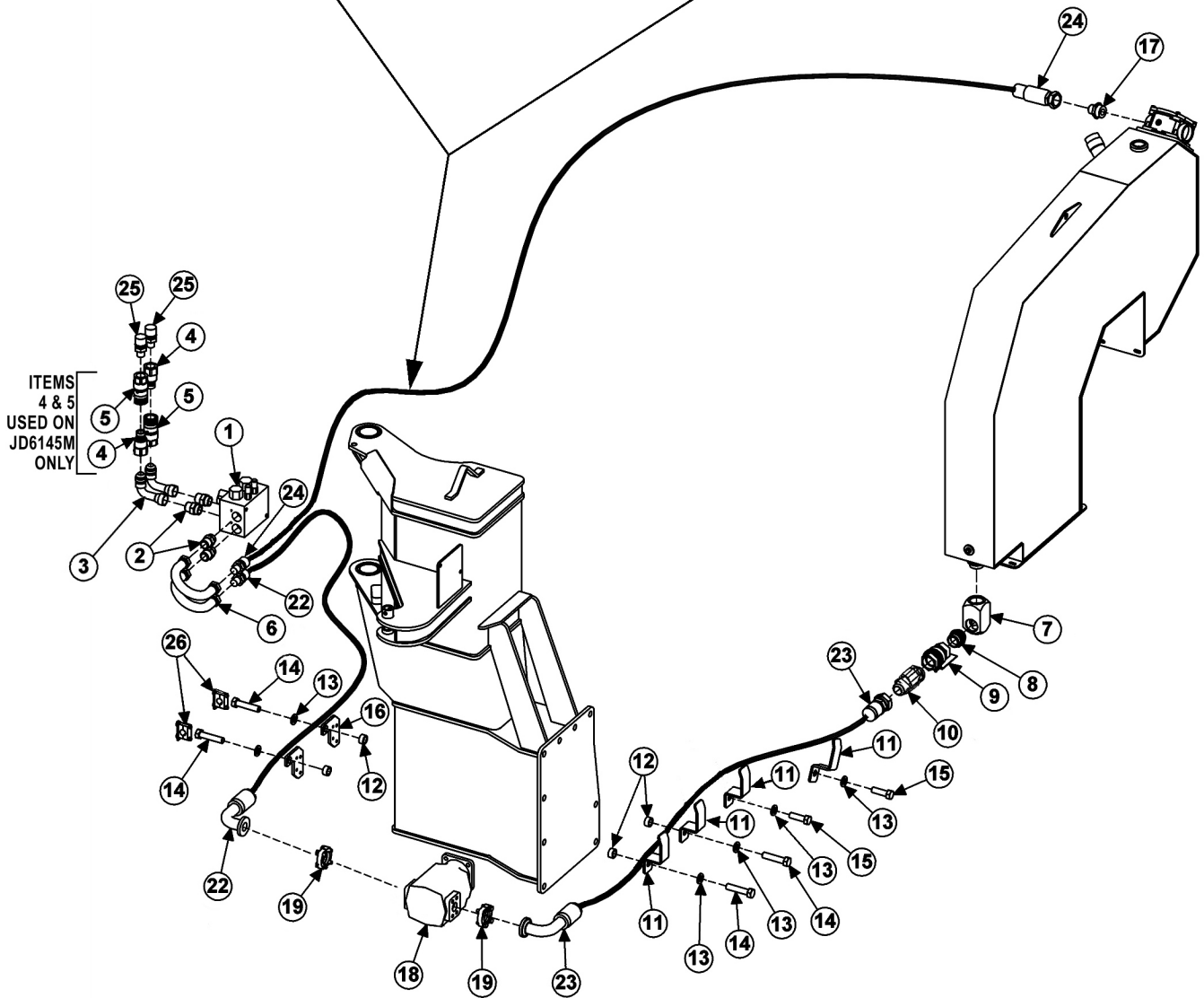
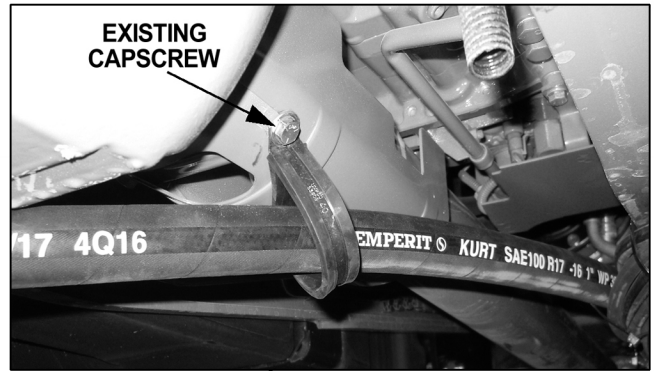
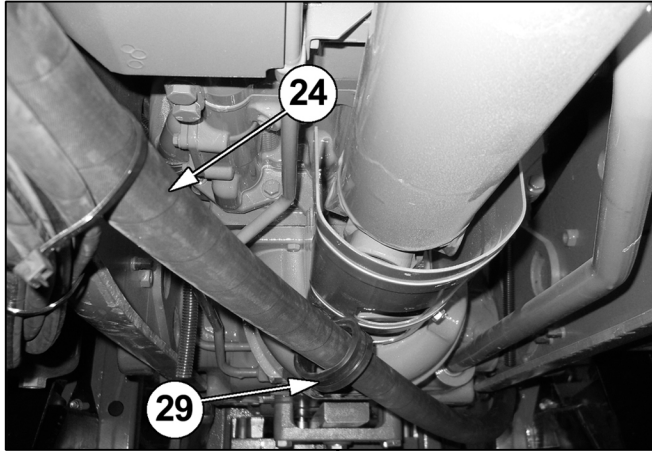
TRACTOR MOUNT KIT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|-------------------------------------|
| 1 | 06300348 | 1 | MAINFRAME, TB, JD6145-55M/R T4F |
| 2 | 06300344 | 1 | MAINFRAME MNT, JD6145-55M/R |
| 3 | 06300345 | 1 | AXLE BRACE, RH, JD6145M |
| --- | 06300356 | 1 | AXLE BRACE, RH JD6155M, JD6145-55R |
| 4 | 06300346 | 1 | AXLE BRACE, LH, JD6145M |
| ---- | 06300357 | 1 | AXLE BRACE, LH, JD6155M, JD6145-55R |
| 5 | 06380084 | 1 | TANK, RES, JD6M, T4F |
| 6 | 06402240 | 1 | UPRIGHT, LH, JD6150R |
| 7 | 33880 | 68 | FLATWASHER, 3/4" GR8, SAE |
| 8 | 21825 | 20 | HEX NUT, 3/4" NC |
| 9 | 21833 | 20 | CAPSCREW, 3/4" X 2-1/4" NC |
| 10 | 31731 | 16 | CAPSCREW, 20MM X 50MM (2.5 PITCH) |
| 11 | 27281 | 12 | CAPSCREW, 20MM X 60MM (2.5 PITCH) |
| 12 | 06510083 | 1 | VALVE, BRAKE, SOL, 3000PSI |
| 13 | 21627 | 14 | NYLOCK NUT, 3/8" NC |
| 14 | 22016 | 18 | FLATWASHER, 3/8" GR8 |
| 15 | 21644 | 2 | CAPSCREW, 3/8" X 5" NC |
| 16 | 06505044 | 1 | FILTER ASSY, IN-TANK, CPLT, SAE 10 |
| 17 | 06505067 | 1 | SIGHT GAUGE |
| 18 | 06412418 | 1 | SUPPORT, TANK, JD6145M |
| --- | 06411929 | 1 | SUPPORT, TANK JD6155M, JD6145-55R |
| 19 | 06505127 | 1 | PLUG, SAE #20 |
| 20 | TF4888 | 1 | STREET ELBOW, 1/8" |
| 21 | 6T0649 | 1 | FILTER GAUGE |
| 22 | 06505077 | 1 | CAP, BREATHER, 1-5/8MB |
| 23 | 21631 | 8 | CAPSCREW, 3/8" X 1-1/4" NC, GR8 |
| 24 | 21989 | 4 | LOCKWASHER, 7/16" |
| 25 | 21680 | 4 | CAPSCREW, 7/16" X 1-1/4" NC |
| 26 | 32691 | 4 | LOCKWASHER, 10MM |
| 27 | 23113 | 4 | CAPSCREW, 10MM X 30MM 1.5P |
| 28 | 34999 | 1 | DRIVESHAFT, U-JOINT |
| 29 | 21733 | 4 | CAPSCREW, 1/2" X 2" NC |
| 30 | 34993 | 1 | PUMP MOUNT |
| 31 | 06533004 | 4 | FLATWASHER, 1/2" SAE |
| 32 | 21727 | 4 | NYLOCK NUT, 1/2" NC |
| 33 | 22014 | 1 | FLATWASHER, 1/4" |
| 34 | 32519 | 1 | WING NUT, 1/4" |
| 35 | 24860 | 4 | CAPSCREW, 20MM X 40MM 2.5P |
| 36 | 23152 | 1 | PUMP |
| 37 | 34998 | 1 | SPACER, DRIVESHAFT |

JD6145-55M-R SABER

TRACTOR MOUNT KIT - HYDRAULICS

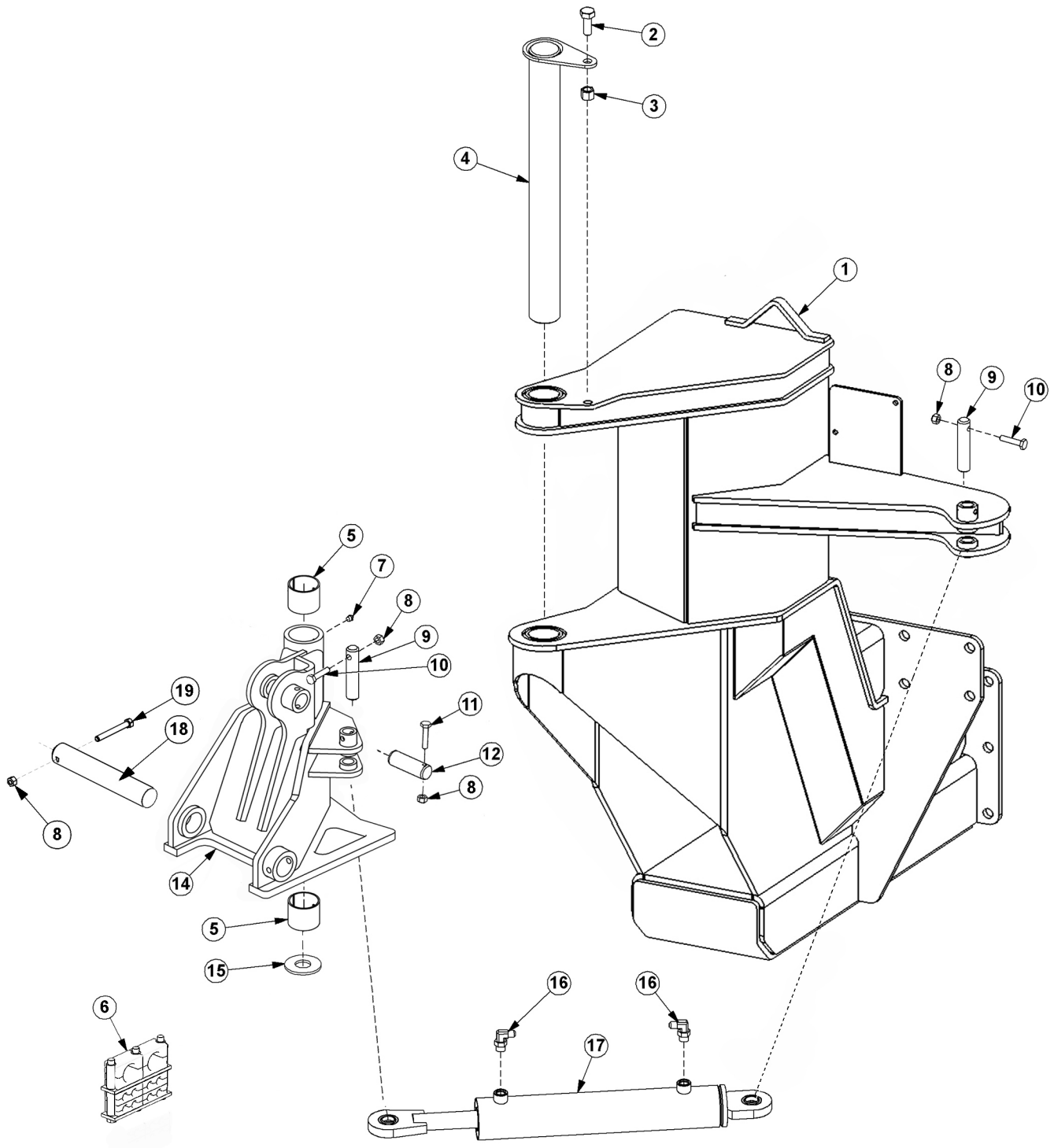


TRACTOR MOUNT KIT - HYDRAULICS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06510084 | 1 | BRAKE VALVE |
| 2 | 33555 | 4 | ADAPTER, 1MB X 1MJ |
| 3 | 06503200 | 2 | ELBOW, 16MJ X 16FJX, BT90 |
| 4 | 06503028 | 2 | QUICK COUPLER 1" SAE, MALE, FLAT (JD6145M ONLY) |
| 5 | 06503027 | 2 | QUICK COUPLER, 1" SAE, FEM, FLAT (JD6145M ONLY) |
| 6 | 06506012 | 2 | PREFORMED TUBES |
| 7 | 06503084 | 1 | ELBOW, 1-1/2FOR X 1-1/2FOR |
| 8 | 06503083 | 1 | ADAPTER, 1-1/2ORB X 1-1/2ORB |
| 9 | 34309 | 1 | BALL VALVE, 1-1/2" |
| 10 | 34710 | 1 | ADAPTER, 1-1/2ORB X 1-1/2MJ |
| 11 | 32382 | 4 | BRACKET, HOSE |
| 12 | 24849 | 4 | SPACER |
| 13 | 33880 | 6 | FLATWASHER, 3/4" GR8, SAE |
| 14 | 30708 | 4 | CAPSCREW, 20MM X 90MM (2.5 PITCH) |
| 15 | 21834 | 2 | CAPSCREW, 3/4" X 2-1/2" NC |
| 16 | 34626 | 2 | CLAMP BRACKET |
| 17 | 34064 | 1 | ADAPTER, 1-1/4MOR X 1 MJ |
| 18 | 23152 | 1 | PUMP, P350-1-3/4 GEAR |
| 19 | TF4852 | 2 | FLANGE KIT #20 |
| 22 | 06500827 | 1 | HOSE, 1" X 97" |
| 23 | 06500701 | 1 | HOSE, 1-1/2" X 126" |
| 24 | 06500960 | 1 | HOSE, 1" X 203" |
| 25 | 33546 | 2 | HOSE, 1" X 94" |
| 26 | 34076 | 1 | CLAMP KIT |
| 29 | 06520536 | 1 | CLAMP, HOSE 2-1/2" INS |

SABER BOOM MOUNT

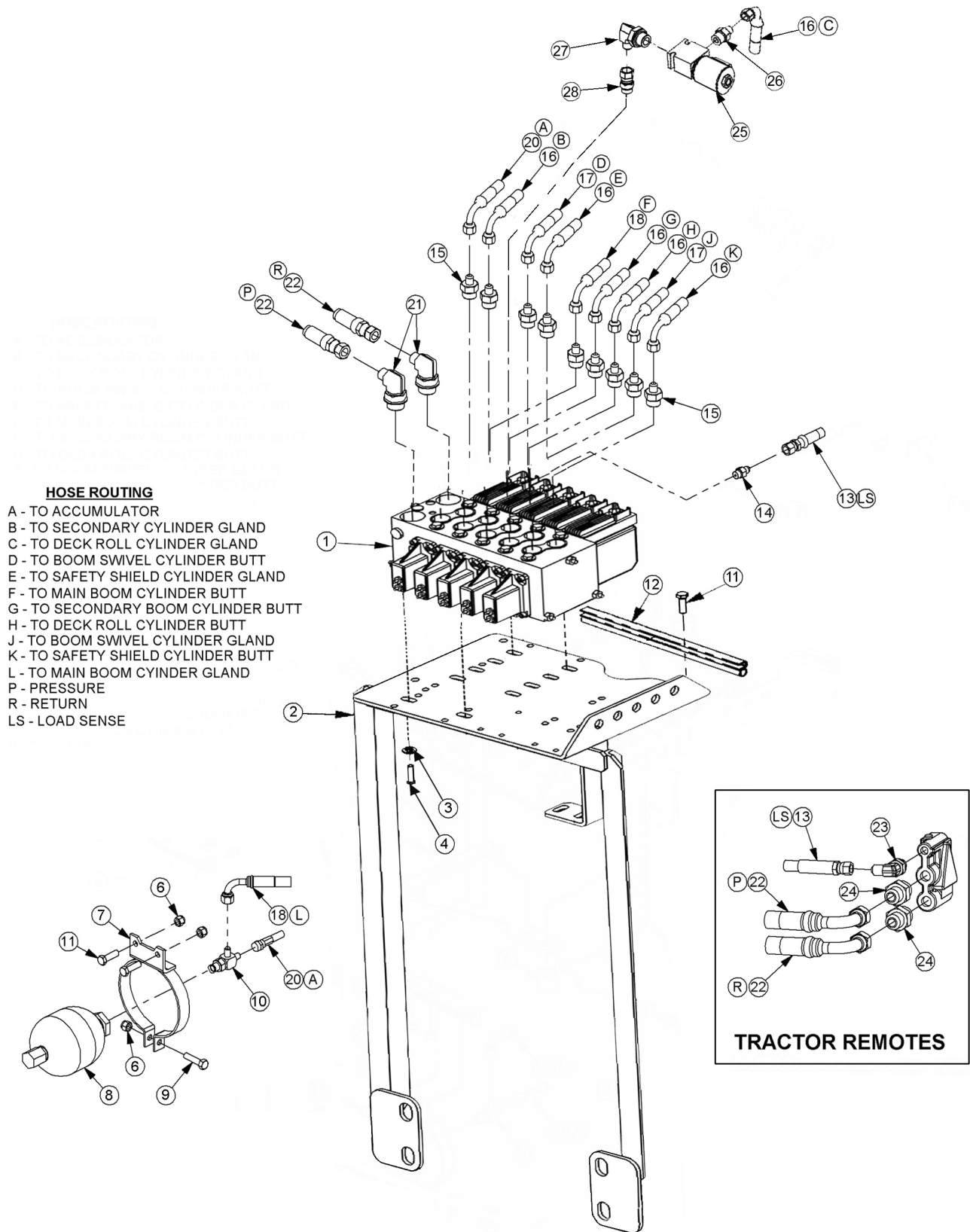


SABER BOOM MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| 1 | ---- | - | MAINFRAME *REFER TO TRACTOR MOUNT KIT |
| 2 | 21782 | 1 | CAPSCREW, 5/8" X 1-3/4" NC |
| 3 | 21777 | 1 | NYLOCK NUT, 5/8" NC |
| 4 | 32381 | 1 | PIN, 2/5" X 24.75", CAP |
| 5 | 32322 | 2 | BUSHING |
| 6 | 06505193 | 1 | CLAMP KIT |
| 7 | 6T3211 | 2 | GREASE ZERK, 1/8" NPT |
| 8 | 21677 | 4 | NYLOCK NUT, 7/16" |
| 9 | 32380 | 2 | PIN, 1" |
| 10 | 21683 | 2 | CAPSCREW, 7/16" X 2" NC |
| 11 | 21687 | 1 | CAPSCREW, 7/16" X 3" NC |
| 12 | 32372 | 1 | PIN, 1-1/2" |
| 13 | --- | - | SPHERICAL BEARING *NOT FOR SALE |
| 14 | 06700222 | 1 | SWIVEL, T4F, SABER |
| 15 | 06520250 | 1 | BEARING, WASHER, SWING, SBR |
| 16 | 33259 | 2 | ELBOW |
| 17 | 06501029 | 1 | CYLINDER, 3" X 13.88" |
| 18 | 32378 | 1 | PIN, 2" X 12.97" |
| 19 | 21688 | 1 | CAPSCREW, 7/16" X 3-1/4" |

ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT

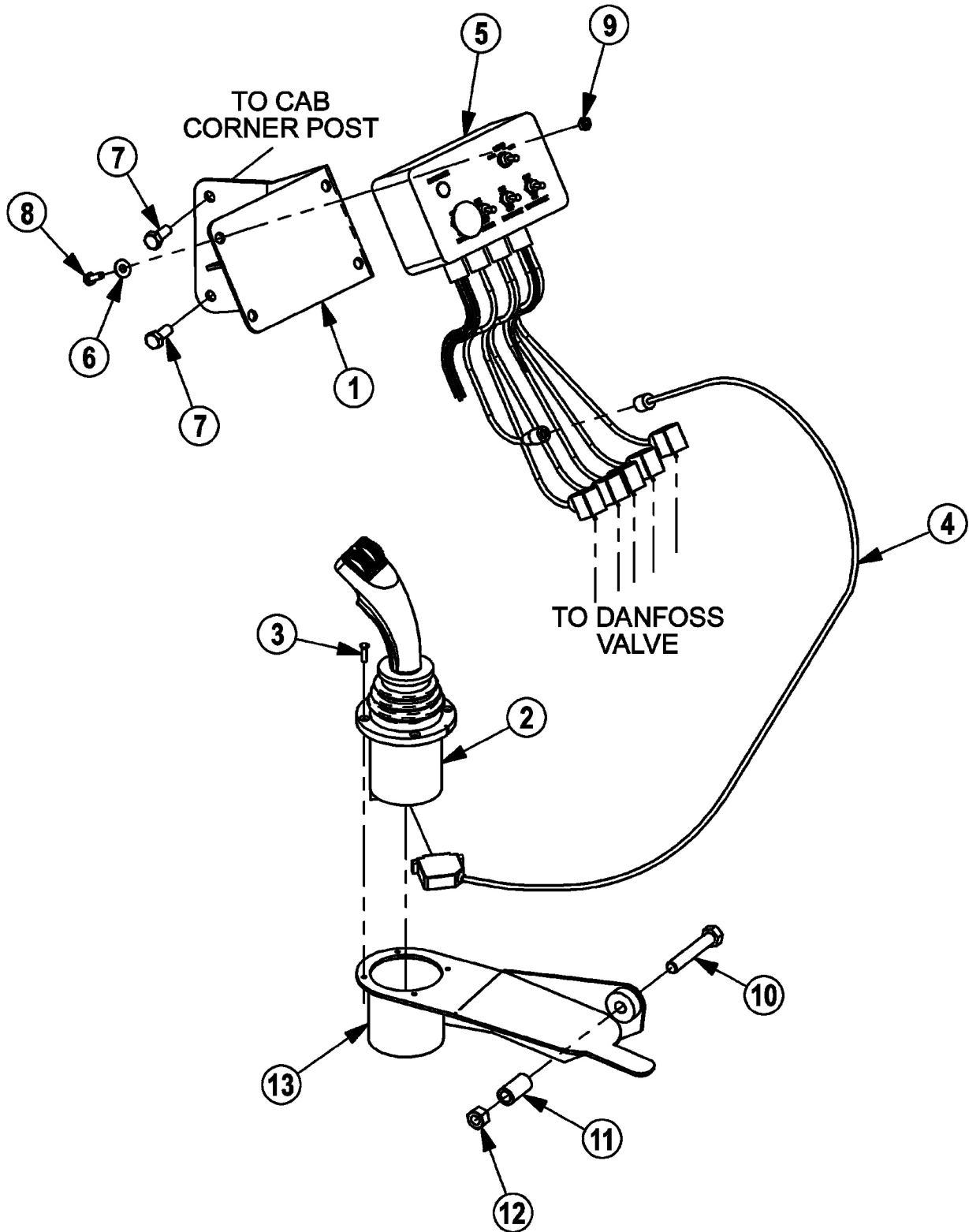


ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------|
| 1 | 06502146 | 1 | ELECTRONIC LIFT VALVE |
| 2 | 06340048 | 1 | PLATE, VALVE, JD6XXXR |
| 3 | 21987 | 4 | LOCKWASHER, 5/16" |
| 4 | 21579 | 4 | CAPSCREW, 5/16" X 3/4", NC |
| 6 | 21627 | 5 | NYLOCK NUT, 3/8", NC |
| 7 | 23888 | 1 | BRKT, ACCUMULATOR |
| 8 | 24300 | 1 | ACCUMULATOR |
| 9 | 21632 | 1 | CAPSCREW, 3/8" X 1-1/2", NC |
| 10 | 06503029 | 1 | TEE, RUN |
| 11 | 21631 | 4 | CAPSCREW, 3/8" X 1-1/4", NC |
| 13 | 06500400 | 1 | HOSE, 1/4" X 30" |
| 14 | 33392 | 1 | ADAPTER |
| 15 | 32807 | 9 | ADAPTER |
| 16 | 06500914 | 6 | HOSE, 1/4" X 282" |
| 17 | 06500697 | 2 | HOSE, 1/4" X 210" |
| 18 | 06500915 | 2 | HOSE, 1/4" X 296" |
| 20 | 33744 | 1 | HOSE, 1/4" X 34" |
| 21 | 33294 | 2 | ELBOW |
| 22 | 06500171 | 2 | HOSE, 1/2" X 36" |
| 23 | 06503013 | 1 | ELBOW, 14MM MOR X 5/16" MJ |
| 24 | 33463 | 2 | ADAPTER, 22MM MOR X 1/2" MJ |
| 25 | 06510050 | 1 | TRAVEL LOCK, METRIPACK COIL |
| 26 | 33271 | 1 | ADAPTER, 1/2" MOR X 3/8" MJ |
| 27 | 33382 | 1 | ELBOW, 1/2" MB X 1/2" MJ |
| 28 | 06503041 | 1 | ADAPTER, 5/8" ORB X 1/2" FJX |

JOYSTICK AND SWITCHBOX MOUNT

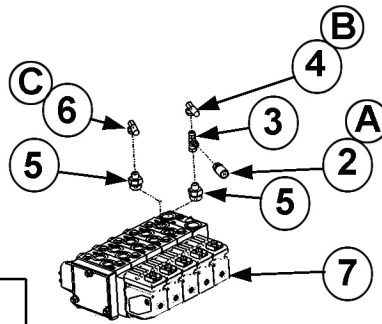


JOYSTICK AND SWITCHBOX MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 33355 | 1 | MNT,BRKT,SWITCH BOX |
| 2 | 06510046 | 1 | JOYST,4AXIS,RH,DF |
| 3 | 32829 | 4 | SCREW,MACHINE,10-32 X 3/4",FLTHD |
| 4 | 33693 | 1 | CBL,EXT,4FT,JOYST |
| 5 | 06510195 | 1 | SWITCH BOX |
| 6 | 22014 | 4 | FLATWASHER, 1/4" |
| 7 | 27513 | 2 | CAPSCREW, 10MMX25MM (1.5 PITCH) |
| 8 | 21529 | 4 | CAPSCREW, 1/4" X 3/4" NC |
| 9 | 21527 | 4 | NYLOCK NUT, 1/4" NC |
| 10 | 21737 | 1 | CAPSCREW,1/2" X 3",NC |
| 11 | 33359 | 1 | TUBE,SPACER |
| 12 | 21727 | 1 | NYLOCK NUT,1/2",NC |
| 13 | 33356 | 1 | ARMREST,JOYSTICK |

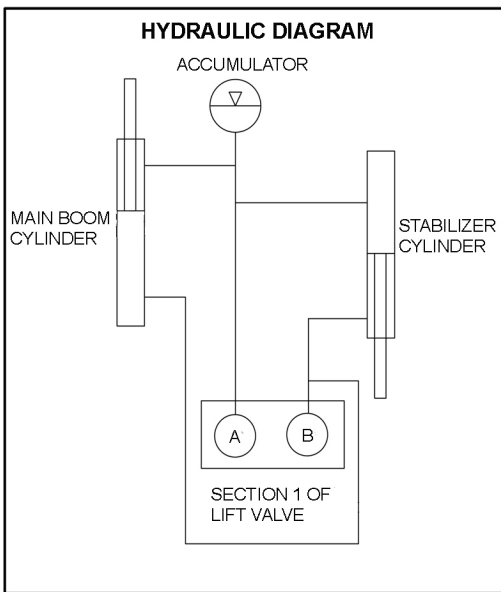
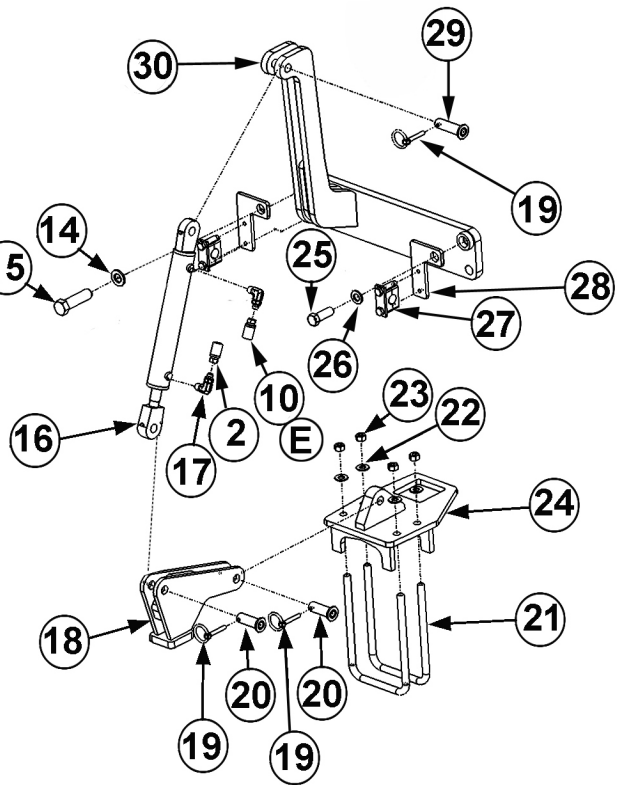
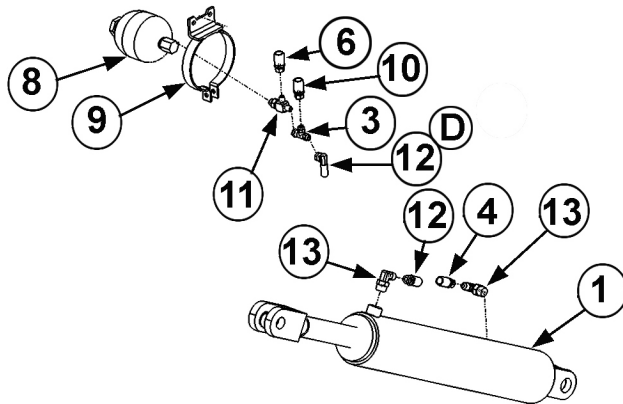
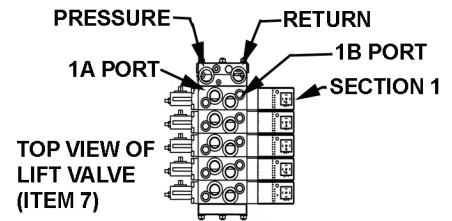
AXLE STABILIZER - VERSION ONE



HOSE ROUTING KEY

- A- FROM 1B PORT ON LIFT VALVE TO STABILIZER CYLINDER GLAND
- B- FROM 1B PORT ON LIFT VALVE TO MAIN BOOM CYLINDER BUTT
- C- FROM 1A PORT ON LIFT VALVE TO ACCUMULATOR
- D- FROM ACCUMULATOR TO MAIN BOOM CYLINDER GLAND
- E- FROM STABILIZER CYLINDER BUTT TO ACCUMULATOR

NOTE: THIS INFORMATION REFERS TO JD6145-55M TRACTORS WITH SERIAL NUMBERS OF 866615 OR LOWER OR JD6145-55R TRACTORS WITH SERIAL NUMBERS OF 027000 OR LOWER.



LOCATE HOLE IN ITEM 24 AROUND AXLE STOP ON RIGHT FRONT AXLE.

USE ITEMS 21, 22, & 23 TO CLAMP ITEM 24 TO AXLE.

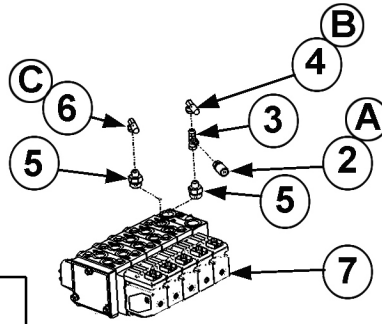
AFTER INSTALLATION, ARTICULATE FRONT AXLE FROM STOP TO STOP AND EXTEND AND RETRACT CYLINDER FULLY TO ENSURE A PROPER FIT.

AXLE STABILIZER - VERSION ONE

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | ----- | - | BOOM CYLINDER *REFER TO COMMON SECTION |
| 2 | 06500730 | 1 | HOSE,3/8" X 227" |
| 3 | 06503048 | 2 | RUN TEE,3/8"MJ X 3/8"FJX X 3/8"MJ |
| 4 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 5 | ----- | - | ADAPTER *REFER TO LIFT VALVE PAGE |
| 6 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 7 | ----- | - | LIFT VALVE *REFER TO LIFT VALVE PAGE |
| 8 | ----- | - | ACCUMULATOR *REFER TO LIFT VALVE PAGE |
| 9 | ----- | - | ACCUMULATOR BRKT *REFER TO LIFT VALVE PAGE |
| 10 | 06500731 | 1 | HOSE,3/8" X 234" |
| 11 | ----- | - | RUN TEE *REFER TO LIFT VALVE PAGE |
| 12 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 13 | ----- | - | ELBOW *REFER TO LIFT VALVE PAGE |
| 14 | 33880 | 2 | FLATWASHER,3/4",SAE |
| 15 | 32703 | 1 | CAPSCREW,20MM X 100MM,2.5P |
| 16 | 33785 | 1 | CYLINDER,1-1/2" X 8" |
| 17 | 06503055 | 2 | ELBOW,1/4"MOR X 3/8"MJ |
| 18 | 06310132 | 1 | LINK,PIVOT,STABILIZER |
| 19 | RD1032 | 3 | LYNCH PIN |
| 20 | 33984 | 2 | PIN,3/4" X 2-7/16" |
| 21 | 06420164 | 2 | U-BOLT |
| 22 | 06533004 | 4 | FLATWASHER,1/2",SAE |
| 23 | 21700 | 4 | HEX NUT,1/2",UNC |
| 24 | 06310133 | 1 | MOUNT,AXLE |
| 25 | ----- | - | CAPSCREW *REFER TO LIFT VALVE PAGE |
| 26 | ----- | - | FLATWASHER *REFER TO LIFT VALVE PAGE |
| 27 | ----- | - | CLAMP KIT *REFER TO LIFT VALVE PAGE |
| 28 | ----- | - | BRACKET *REFER TO LIFT VALVE PAGE |
| 29 | 34799 | 1 | PIN,3/4" X 2-15/16" |
| 30 | 06310177 | 1 | STABILIZER,AXLE,CYL MNT |

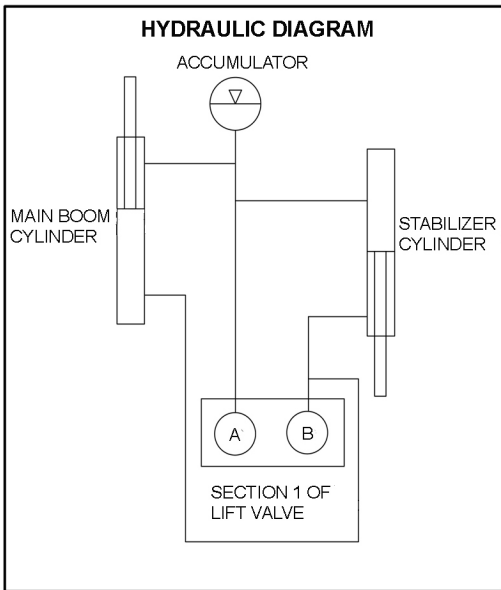
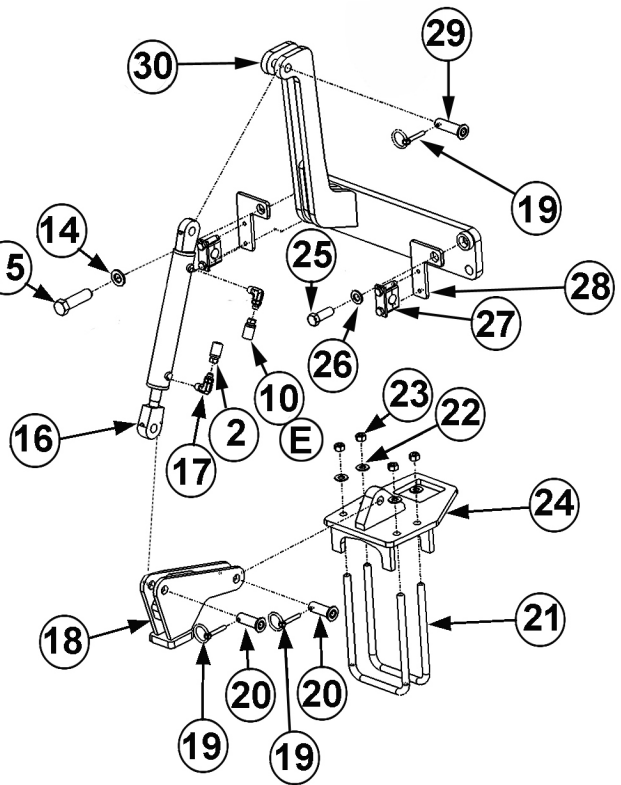
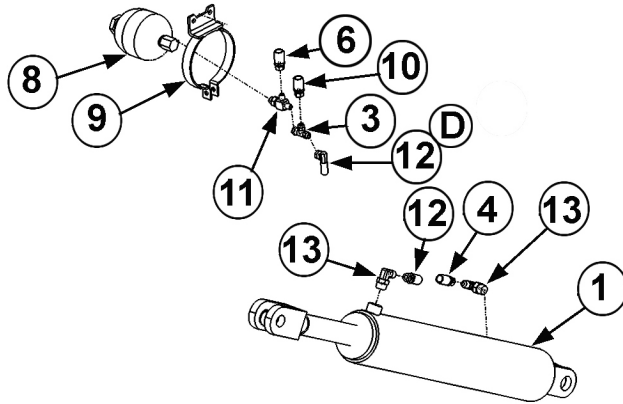
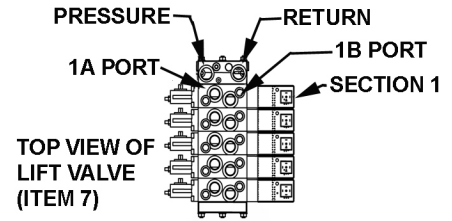
AXLE STABILIZER - VERSION TWO



HOSE ROUTING KEY

- A- FROM 1B PORT ON LIFT VALVE TO STABILIZER CYLINDER GLAND
- B- FROM 1B PORT ON LIFT VALVE TO MAIN BOOM CYLINDER BUTT
- C- FROM 1A PORT ON LIFT VALVE TO ACCUMULATOR
- D- FROM ACCUMULATOR TO MAIN BOOM CYLINDER GLAND
- E- FROM STABILIZER CYLINDER BUTT TO ACCUMULATOR

NOTE: THIS INFORMATION REFERS TO JD6145-55M TRACTORS WITH SERIAL NUMBERS OF 866616 AND HIGHER OR JD6145-55R TRACTORS WITH SERIAL NUMBERS OF 027001 OR HIGHER.



LOCATE HOLE IN ITEM 24 AROUND AXLE STOP ON RIGHT FRONT AXLE.

USE ITEMS 21, 22, & 23 TO CLAMP ITEM 24 TO AXLE.

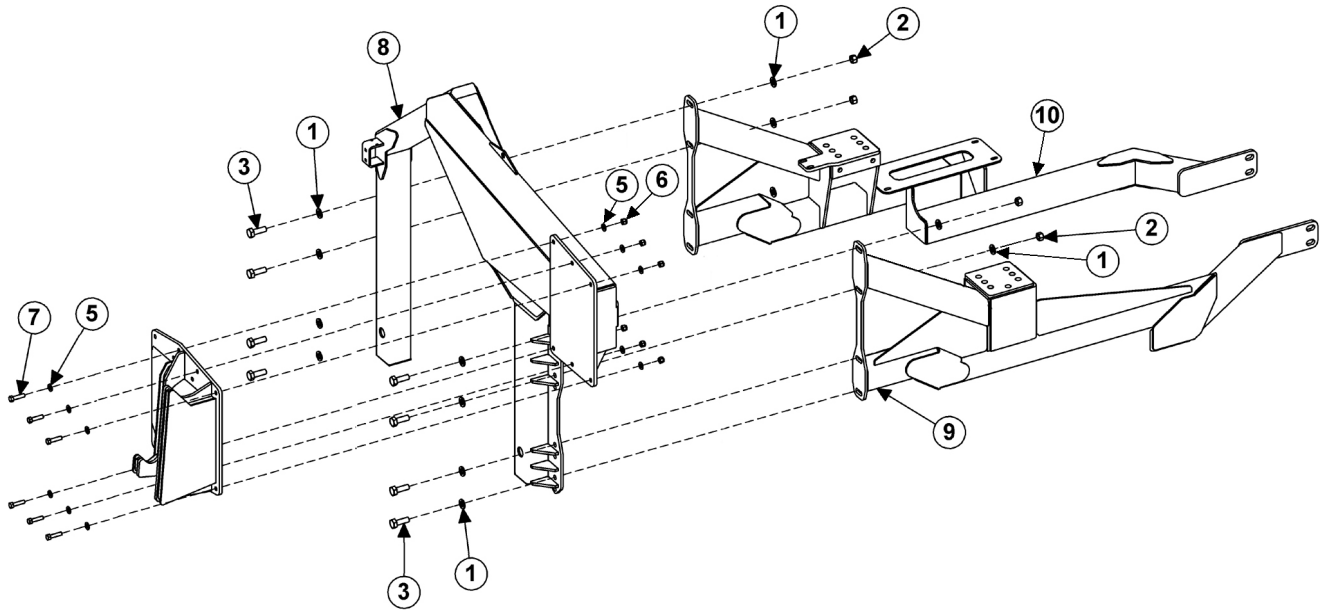
AFTER INSTALLATION, ARTICULATE FRONT AXLE FROM STOP TO STOP AND EXTEND AND RETRACT CYLINDER FULLY TO ENSURE A PROPER FIT.

AXLE STABILIZER - VERSION TWO

Continued...

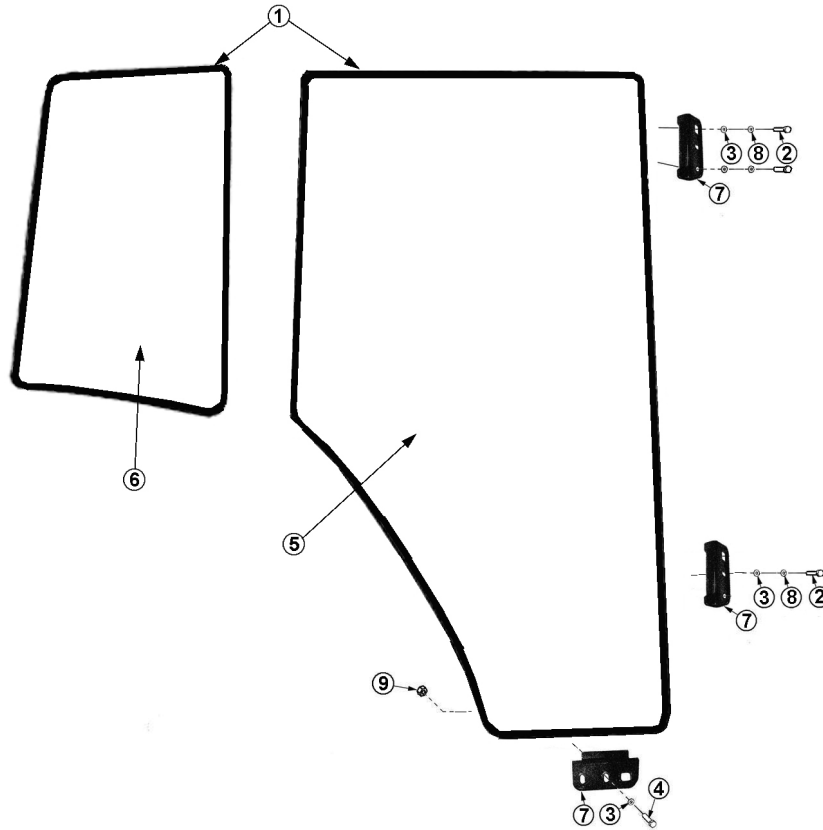
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | ----- | - | BOOM CYLINDER *REFER TO COMMON SECTION |
| 2 | 06500730 | 1 | HOSE,3/8" X 227" |
| 3 | 06503048 | 2 | RUN TEE,3/8"MJ X 3/8"FJX X 3/8"MJ |
| 4 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 5 | ----- | - | ADAPTER *REFER TO LIFT VALVE PAGE |
| 6 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 7 | ----- | - | LIFT VALVE *REFER TO LIFT VALVE PAGE |
| 8 | ----- | - | ACCUMULATOR *REFER TO LIFT VALVE PAGE |
| 9 | ----- | - | ACCUMULATOR BRKT *REFER TO LIFT VALVE PAGE |
| 10 | 06500731 | 1 | HOSE,3/8" X 234" |
| 11 | ----- | - | RUN TEE *REFER TO LIFT VALVE PAGE |
| 12 | ----- | - | HOSE *REFER TO LIFT VALVE PAGE |
| 13 | ----- | - | ELBOW *REFER TO LIFT VALVE PAGE |
| 14 | 33880 | 2 | FLATWASHER,3/4",SAE |
| 15 | 32703 | 2 | CAPSCREW,20MM X 100MM,2.5P |
| 16 | 33785 | 1 | CYLINDER,1-1/2" X 8" |
| 17 | 06503055 | 2 | ELBOW,1/4"MOR X 3/8"MJ |
| 18 | 06310204 | 1 | LINK,PIVOT,STABILIZER |
| 19 | RD1032 | 3 | LYNCH PIN |
| 20 | 33984 | 2 | PIN,3/4" X 2-7/16" |
| 21 | 06420164 | 2 | U-BOLT |
| 22 | 06533004 | 4 | FLATWASHER,1/2",SAE |
| 23 | 21700 | 4 | HEX NUT,1/2",UNC |
| 24 | 06310203 | 1 | MOUNT,AXLE |
| 25 | ----- | - | CAPSCREW *REFER TO LIFT VALVE PAGE |
| 26 | ----- | - | FLATWASHER *REFER TO LIFT VALVE PAGE |
| 27 | ----- | - | CLAMP KIT *REFER TO LIFT VALVE PAGE |
| 28 | ----- | - | BRACKET *REFER TO LIFT VALVE PAGE |
| 29 | 34799 | 1 | PIN,3/4" X 2-15/16" |
| 30 | 06310177 | 1 | STABILIZER,AXLE,CYL MNT |

SABER BOOMREST



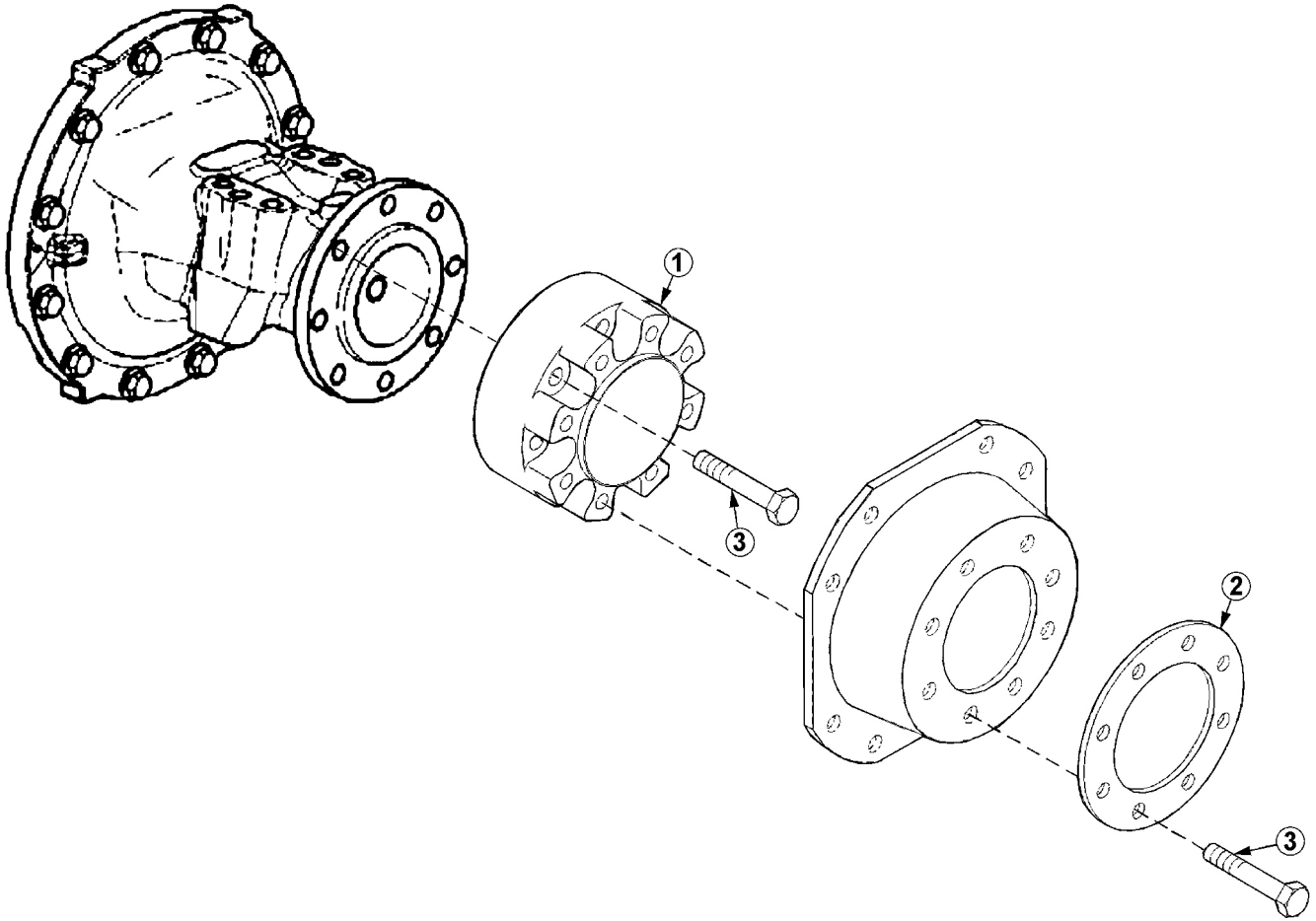
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 33880 | 16 | FLATWASHER, 3/4" GR8, SAE |
| 2 | 21825 | 8 | HEX NUT, 3/4" NC |
| 3 | 06530237 | 8 | CAPSCREW, 3/4" X 2-1/4" NC GR8 |
| 4 | 06310192 | 1 | ADAPTER, BOOMREST, SABER, T4F |
| 5 | 06533004 | 12 | FLATWASHER, 1/2" GR8, SAE |
| 6 | 21727 | 6 | NYLOCK NUT, 1/2" NC |
| 7 | 21733 | 6 | CAPSCREW, 1/2" X 2 NC |
| 8 | 06310158 | 1 | BOOMREST, SABER, T4 |
| 9 | 06300345 | 1 | AXLE BRACE, RH, JD6145M, T4F, RS |
| 10 | 06300346 | 1 | AXLE BRACE, LH, JD6145M, T4F, RS |

POLYCARBONATE SAFETY WINDOW



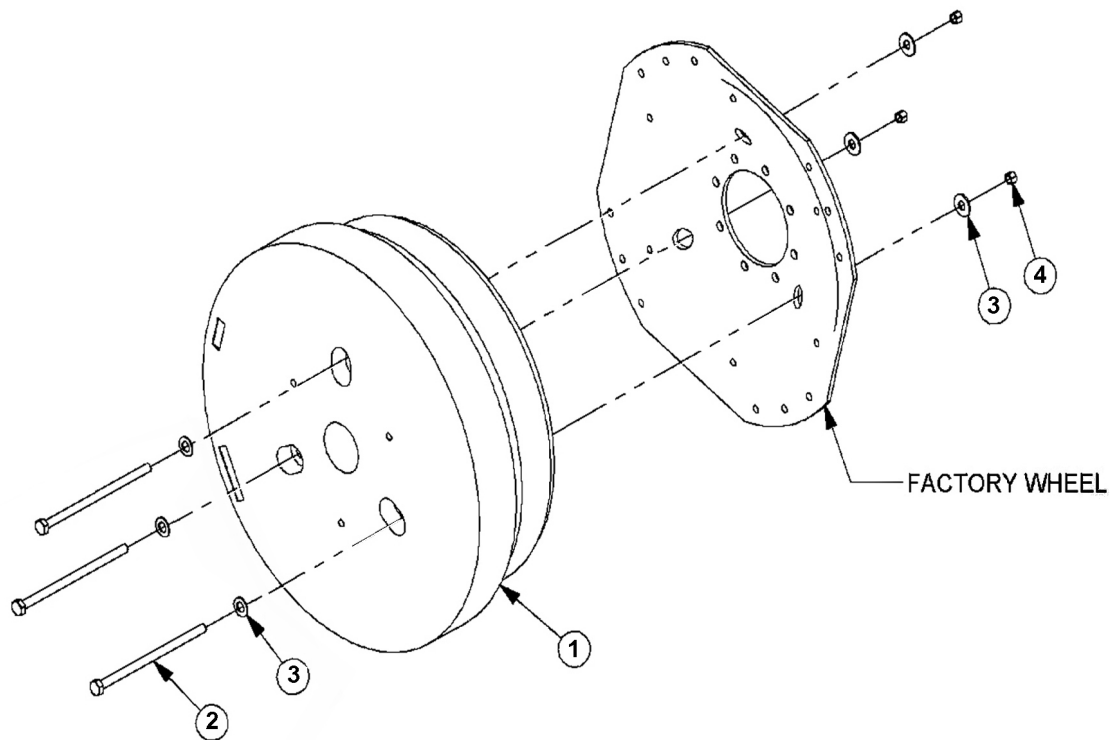
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 1 | 31965 | 22 | TRIM SEAL,3/8" CLIP X 3/4"OD (FEET) |
| 2 | 27508 | 3 | CAPSCREW,8MM X 20MM,1.25P |
| 3 | 22015 | 4 | FLATWASHER,5/16" |
| 4 | 21581 | 1 | CAPSCREW,5/16" X 1-1/4",NC |
| 5 | 06490005 | 1 | POLYCARB,FRMD,DOOR,RH |
| 6 | 06490027 | 1 | POLYCARB,FRMD,REAR,RH |
| 7 | 06520040 | 3 | BRKT,JD,POLY,RETAIN |
| 8 | 6T2619 | 3 | LOCKWASHER,8MM |
| 9 | 21577 | 1 | NYLOCK NUT,5/16",NC |

WHEEL SPACER



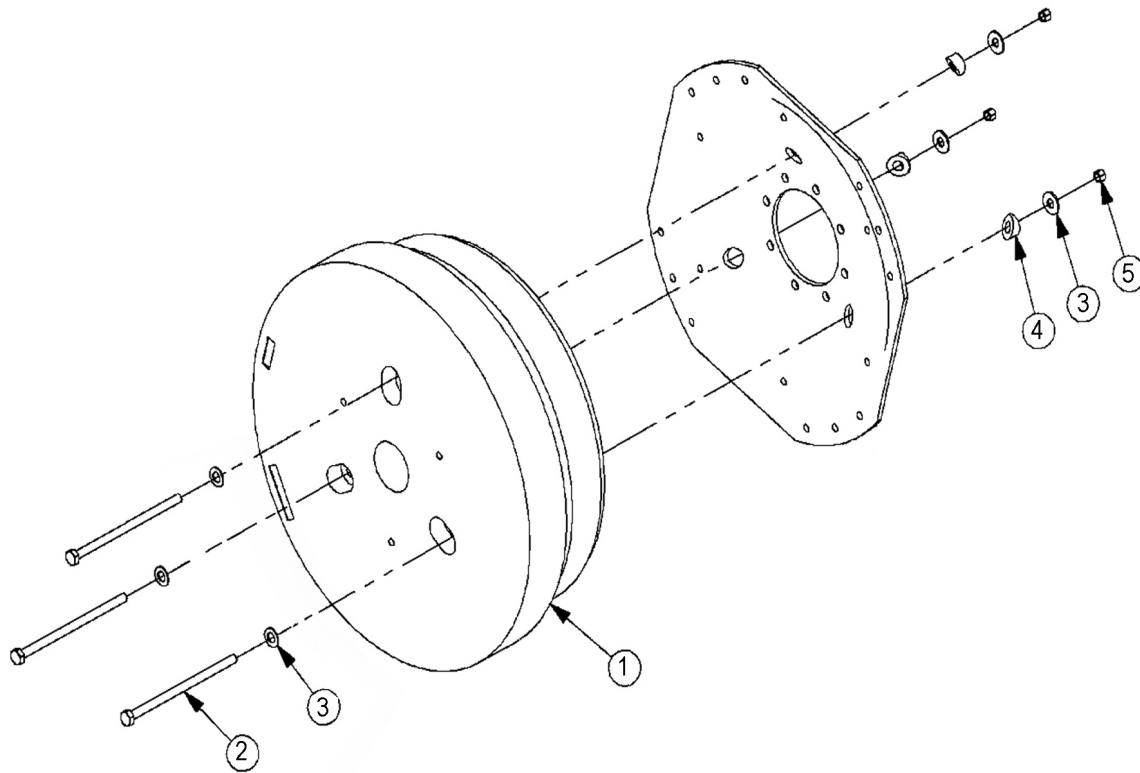
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------|
| 1 | AL156779 | 1 | SPACER, WHEEL, JD, 1.732 |
| 2 | 06400919 | 1 | RING, SPACER, WHEEL, JD |
| 3 | 6T2548 | 16 | CAPSCREW, 20MM X 60MM |

WHEEL WEIGHT - SABER



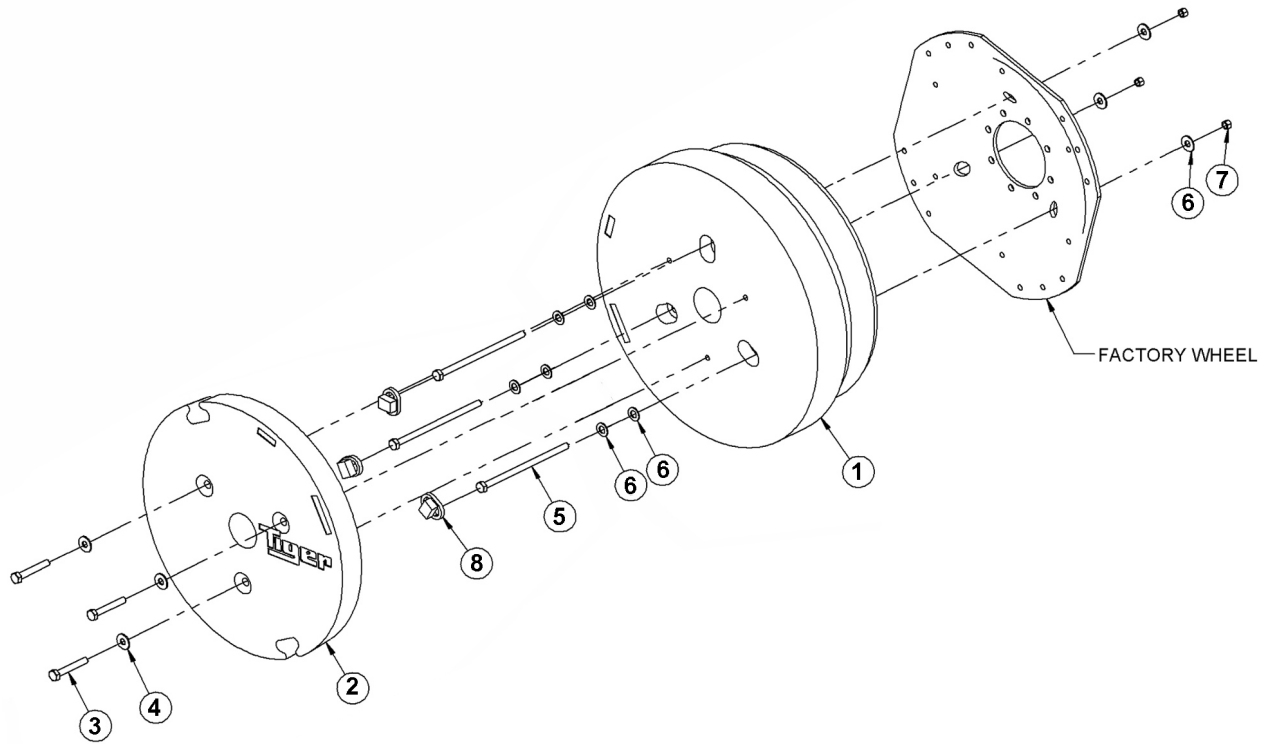
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------|
| 1 | 06700108 | 1 | 3400# WEIGHT, TAPPED |
| 2 | 06530227 | 3 | CAPSCREW, 1" X 20",NC |
| 3 | 06533007 | 6 | FLATWASHER, 1" |
| 4 | 31581 | 3 | HEX NUT, 1",NC |

WHEEL WEIGHT - SABER BAR AXLE



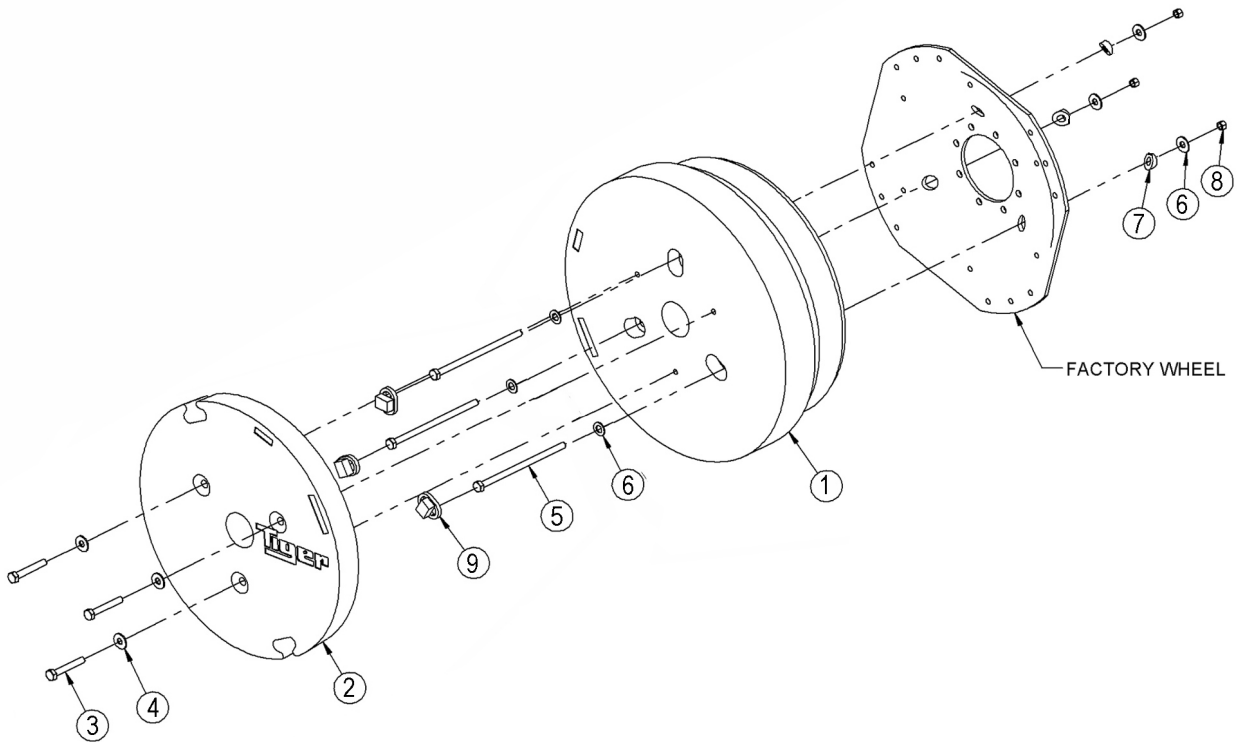
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 06700108 | 1 | 3400# WEIGHT, TAPPED |
| 2 | 06530227 | 3 | CAPSCREW, 1" X 20",NC |
| 3 | 06533007 | 6 | FLATWASHER, 1" |
| 4 | 06430183 | 3 | SPACER, WHEEL WEIGHT, BAR AXLE |
| 5 | 31581 | 3 | HEX NUT, 1",NC |

WHEEL WEIGHT - SABER XB



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------|
| 1 | 06700108 | 1 | 3400# WEIGHT,TAPPED |
| 2 | 32518 | 1 | 850# WEIGHT |
| 3 | 21842 | 3 | CAPSCREW,3/4" X 5",NC |
| 4 | 33626 | 3 | FLATWASHER,3/4",USS |
| 5 | 06530227 | 3 | CAPSCREW,1" X 19-1/2",NC |
| 6 | 06533007 | 6 | FLATWASHER,1" |
| 7 | 31581 | 3 | HEX NUT, 1",NC |
| 8 | 06370223 | 3 | SPACER,WHEEL WEIGHT |

WHEEL WEIGHT - SABER XB BAR AXLE



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------|
| 1 | 06700108 | 1 | 3400# WEIGHT,TAPPED |
| 2 | 32518 | 1 | 850# WEIGHT |
| 3 | 21842 | 3 | CAPSCREW,3/4" X 5",NC |
| 4 | 33626 | 3 | FLATWASHER,3/4",USS |
| 5 | 06530227 | 3 | CAPSCREW,1" X 20",NC |
| 6 | 06533007 | 6 | FLATWASHER,1" |
| 7 | 06430183 | 3 | SPACER, BAR AXLE |
| 8 | 31581 | 3 | HEX NUT, 1",NC |
| 9 | 06370223 | 3 | SPACER,WHEEL WEIGHT |

COMMON SABER BOOM'H

PARTS SECTION

PART NAME INDEX

| | |
|---|----|
| P QVGLU | 6 |
| RCTVU'QTF GT&P I 'I W&E G | 7 |
| DQQO 'UY K&G'N'C'UUGO DN[| 8 |
| S W&E ME QWRNGT U | : |
| UCDGT'DQQO 'C'UUGO DN[| 32 |
| UCDGT'O D'DQQO 'C'UUGO DN[| 34 |
| UCDGT'ZD'DQQO 'C'UUGO DN[| 36 |
| 72R 'HNCN'C'UUGO DN[| 38 |
| 72R 'HNCN'C'UUGO DN[.RCUU/VJ TQW J 'MP K&GU | 3: |
| 72R 'HNCN'F T&G'C'UUGO DN[| 42 |
| UCDGT'F K'GEV'F T&G'HNCN'C'UU[| 44 |
| UCDGT'F K'GEV'F T&G'C'UUGO DN[| 46 |
| 85R 'HNCN'C'UUGO DN[| 48 |
| 85R 'HNCN'F T&G'C'UUGO DN[| 4: |
| 72R 'UCDGT'TQVCT['O QY GT | 52 |
| 72R 'UCDGT'O D'TQVCT['O QY GT | 54 |
| 72R 'UCDGT'ZD'TQVCT['O QY GT | 56 |
| 82R 'UCDGT'TQVCT['O QY GT | 58 |
| 82R 'TQVCT['MP K&G'CP F 'F KJ 'QRVQP | 5: |
| UCDGT'URR F NG'C'UUGO DN[| 62 |
| UCDGT'ZD'('82R 'URR F NG'C'UU[| 64 |
| 5R 'Z'39/34R 'Y GNF GF 'E[NR F GT'DTGCMF QY P | 66 |
| 6R 'Z'37R 'Y GNF GF 'E[NR F GT'DTGCMF QY P | 67 |
| 6/34R 'Z'48/34R 'Y GNF GF 'E[NR F GT'DTGCMF QY P | 68 |
| 7R 'Z'47R 'Y GNF GF 'E[NR F GT'DTGCMF QY P | 69 |
| RWO R'CP F 'I T&N'I WCTF 'QRVQP U | 6: |
| TGUGT XQK'VCP M'H&N'VGT'C'UUGO DN[| 6; |
| HTQP V'J [F T C W&E 'RWO R | 72 |
| 72R 'CP F '85R 'HNCN'O QVQT'DTGCMF QY P | 74 |
| 72R 'HNCN'F K'GEV'F T&G'O QVQT'DTGCMF QY P | 76 |
| 72R 'CP F '82R 'TQVCT['O QVQT'DTGCMF QY P | 78 |
| EQQNGT'C'UUGO DN[| 7: |
| ECDNG*O CP WCN+N&H'XCNXG.'6'URQQN/'28724326 | 82 |
| ECDNG*O CP WCN+N&H'XCNXG.'7'URQQN/'28724325 | 84 |
| 7'URQQN'GNGEVTQP K&E'XCNXG/'287242; 8 | 86 |
| DTCMG'XCNXG'C'UUGO DN[| 88 |
| DTCMG'XCNXG'J [F T C W&E 'UEJ GO C V&E | 89 |
| UQNGP Q&E 'UY K&EJ 'DQZ'CP F 'Y K'P I | 8: |
| O CP WCN+N&H'XCNXG'UY K&EJ 'DQZ | 8; |
| O CP WCN+N&H'XCNXG'UEJ GO C V&E | 92 |

COMMON SABER

PART NAME INDEX

GNGEVTQPÆ'NKH'XCNXG'UY K/EJ 'DQZ () 93

GNGEVTQPÆ'NKH'XCNXG'UEJ GO CVÆ() 94

NGHV'J CPF 'LQ[UVÆM'UY K/EJ DQZ'UEJ GO CVÆ() 95

VTQWDNGUJ QQVÆI () 96

VTQWDNGUJ QQVÆI '/'EQP VÆ WGF() 97

J [FTCWNÆ'VTQWDNGUJ QQVÆI 'I WÆ C() 98

GNGEVTÆCN'VTQWDNGUJ QQVÆI 'I WÆ G() 99

PQVGU'3() 9:

ENGCP 'EWWGT'J GCF() 9;

ENGCP 'EWWGT'CUUGO DN[() : 2

ENGCP 'EWWGT'QRGTC VÆQP() : 3

ENGCP 'EWWGT'QRGTC VÆQP '/'EQP VÆ WGF() : 4

ENGCP 'EWWGT'O CÆ VGP CPE() : 5

ENGCP 'EWWGT'DNCF G'CPF 'VGGVJ 'RCTVU() : 6

ECTDÆ G'VÆ'TGRNCEGO GP V() : 7

PQVGU'4() : 8

HKT'G'UWRRTGUIQP 'U[UVGO () : 9

HKT'G'UWRRTGUIQP '5/RQÆ V'O QWP V() : :

HKT'G'UWRRTGUIQP 'HTQP V'O QWP V() ; 2

HKT'G'UWRRTGUIQP 'U[UVGO 'GNGEVTÆCN'UEJ GO CVÆ() ; 4

Y GVEW() ; 5

Y GVEW'72'I CNNQP 'VCP M/'5RP V'O QWP V() ; 6

Y GVEW'322'QT'372'I CNNQP 'VCP M/'5RP V'O QWP V() ; 7

Y GVEW'5RP V'RNWO DÆI '/'72Æ 'O QY GTU() ; 8

Y GVEW'5RP V'RNWO DÆI '/'NCTI G'O QY GTU() ; :

Y GVEW'HTQP V'RNWO DÆI '/'72Æ 'O QY GTU() 322

Y GVEW'HTQP V'RNWO DÆI '/'NCTI GT'O QY GTU() 324

Y GVEW'72Æ 'URTC[GT'J GCF 'CUUGO DN[() 326

Y GVEW'82Æ 'URTC[GT'J GCF 'CUUGO DN[() 328

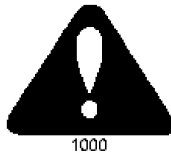
Y GVEW'ECDNGU() 32:

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.

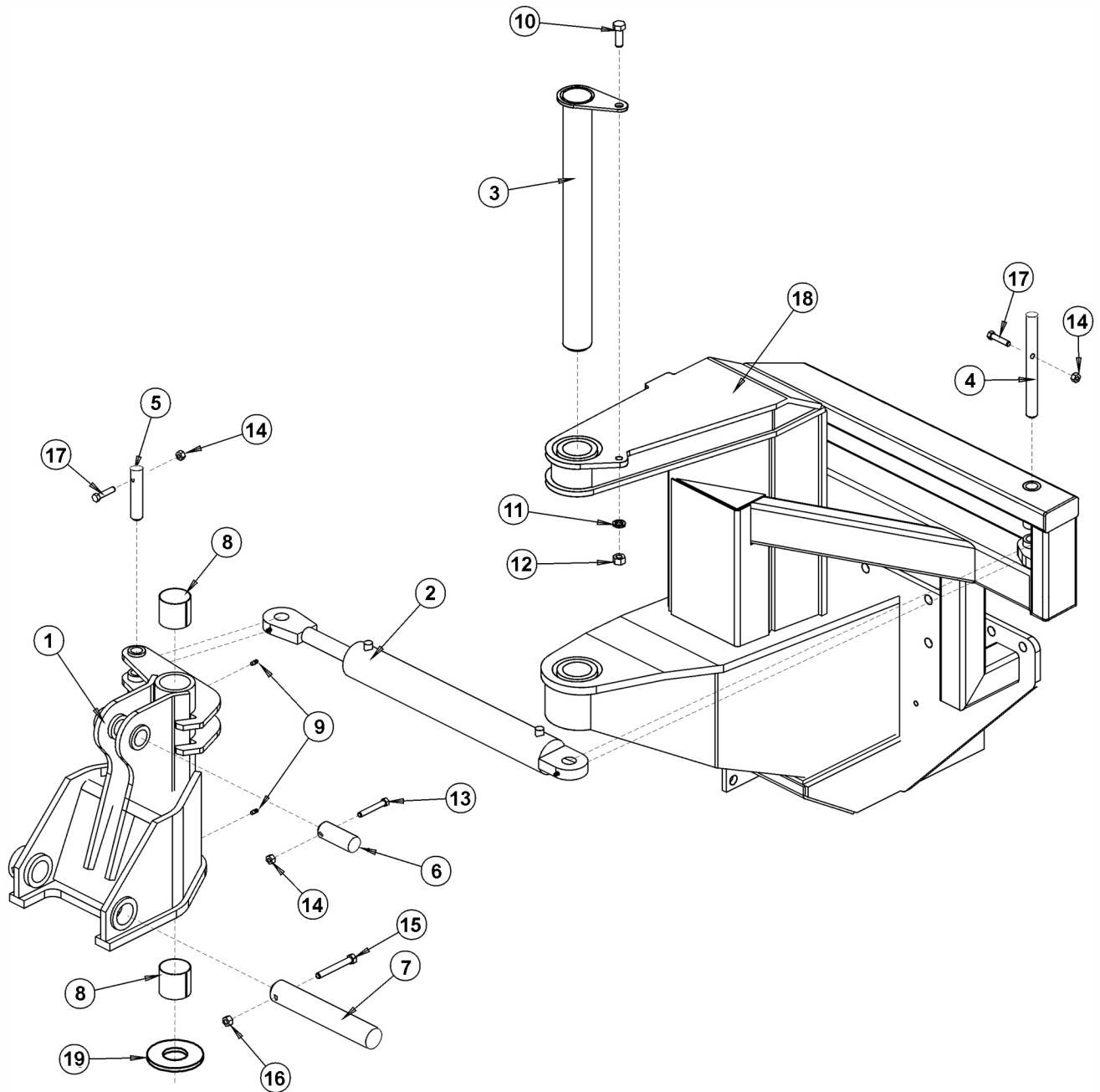
Direct any questions regarding parts to:

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

NOTES

NOTES

BOOM SWIVEL ASSEMBLY

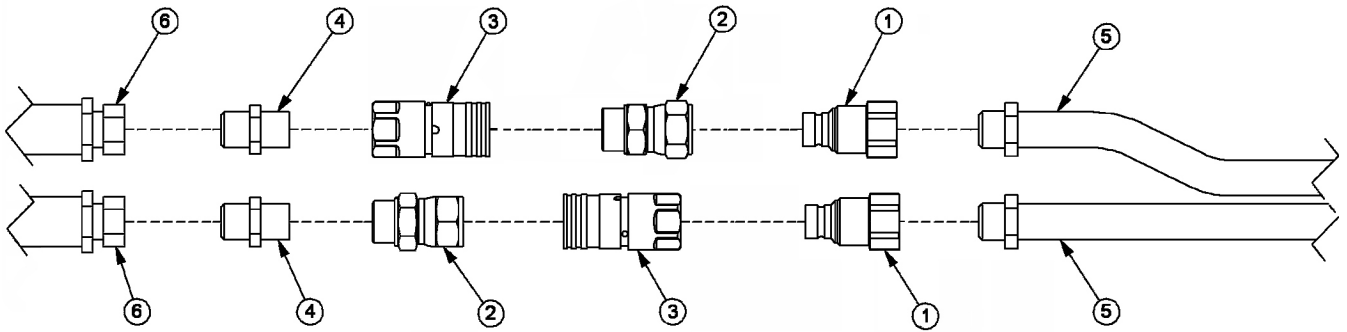


BOOM SWIVEL ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| --- | 32742 | 1 | SWIVEL W/BUSHINGS,BOOM,SABER |
| 1 | 32376 | 1 | SWIVEL,BOOM,SABER,W/O BUSHING |
| 2 | 06501029 | 1 | CYLINDER,3 X 13.88 |
| 3 | 32381 | 1 | PIN,2 1/2,SWIVEL,SABER |
| 4 | 33710 | 1 | PIN,CYLINDER,1,SWIVEL,SABER |
| 5 | 32380 | 1 | PIN,CYL,1,SWIVEL,SABER |
| 6 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 7 | 32378 | 1 | PIN,BOOM TO SWIVEL,SABER |
| 8 | 32322 | 2 | BEARING,DX,2 1/2X2 1/2LONG, |
| 9 | 6T3211 | 2 | GREASE ZERK,1/8 |
| 10 | 21782 | 1 | CAPSCREW,5/8 X 1-3/4 NC |
| 11 | 21992 | 1 | LOCKWASHER,5/8 |
| 12 | 21775 | 1 | HEX NUT,5/8 NC |
| 13 | 21687 | 1 | CAPSCREW,7/16 X 3 NC |
| 14 | 21677 | 3 | NYLOCK NUT,7/16 NC |
| 15 | 21741 | 1 | CAPSCREW,1/2 X 4 NC |
| 16 | 21727 | 1 | NYLOCK NUT,1/2 NC |
| 17 | 21683 | 2 | CAPSCREW,7/16 X 2 NC |
| 18 | ----- | - | MAIN FRAME - REFER TO MAIN FRAME PARTS |
| 19 | 06520250 | 1 | BEARING, WASHER |

QUICK COUPLERS



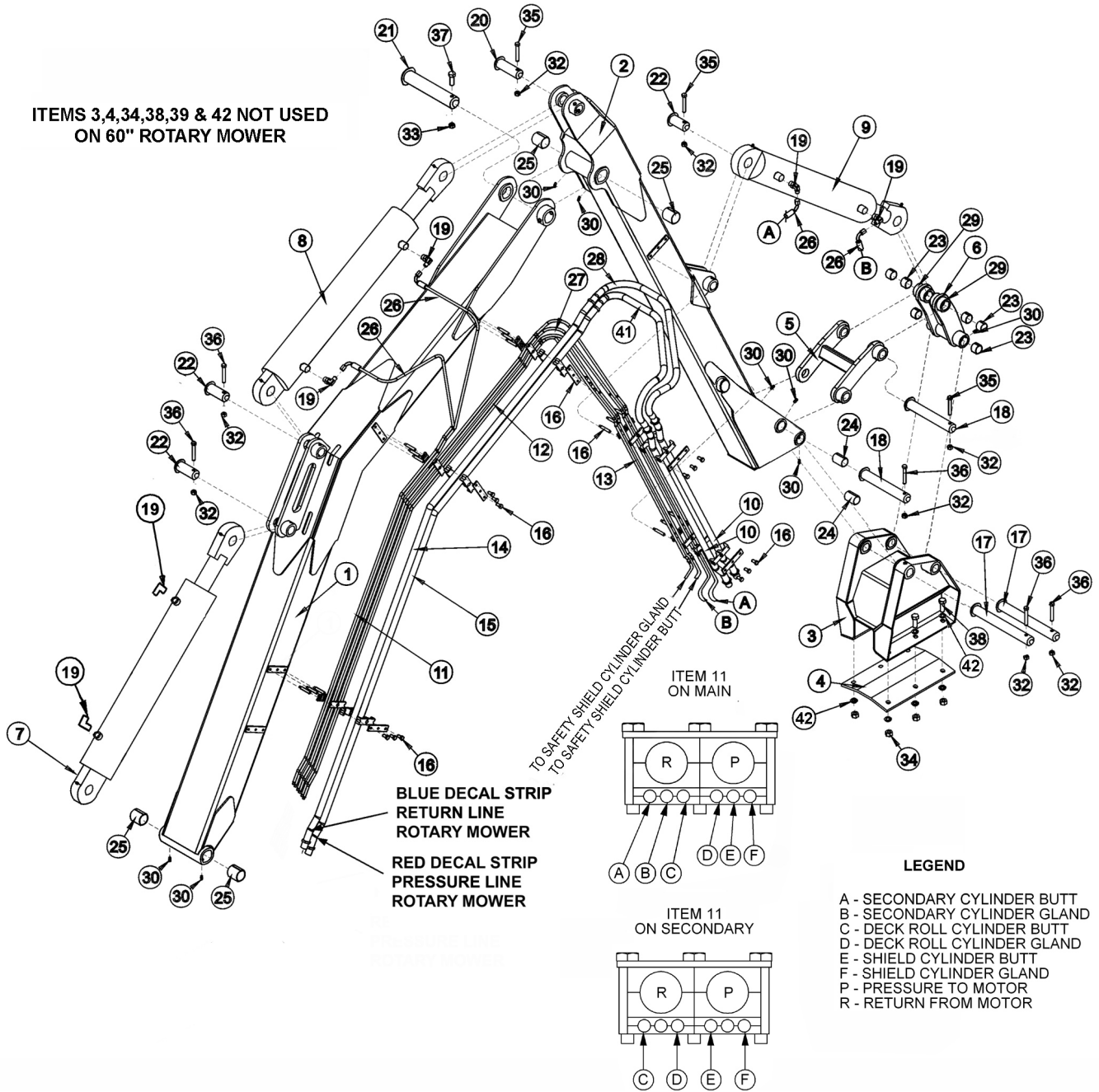
QUICK COUPLERS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 34392 | 2 | ADAPTER,1ORBX1FJX |
| 2 | 06503028 | 2 | QUICK COUPLER,1"SAE,MALE,FLAT |
| 3 | 06503027 | 2 | QUICK COUPLER,1"SAE,FEM,FLAT |
| 4 | 33555 | 2 | ADAPTER,1MORBX1MJIC |
| 5 | ----- | - | PREFORMED TUBES - REFER TO BOOM ARM PARTS |
| 6 | ----- | - | #16 HOSE - REFER TO HYDRAULICS PARTS |

SABER BOOM ASSEMBLY

ITEMS 3,4,34,38,39 & 42 NOT USED
ON 60" ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| 1 | 32743 | 1 | MAIN BOOM W/BEARING |
| 2 | 06310164 | 1 | SECONDARY BOOM, SBR T4 |
| 3 | 32311 | 1 | MOUNT, SWIVEL HEAD |
| 4 | 32309 | 1 | MOUNT HEAD PLATE |
| 5 | 32316 | 1 | LINKAGE, BOOM TO CYLINDER |
| 6 | 32745 | 1 | LINKAGE W/BEARING, CYLINDER TO SWIVEL |

COMMON SABER T4

SABER BOOM ASSEMBLY

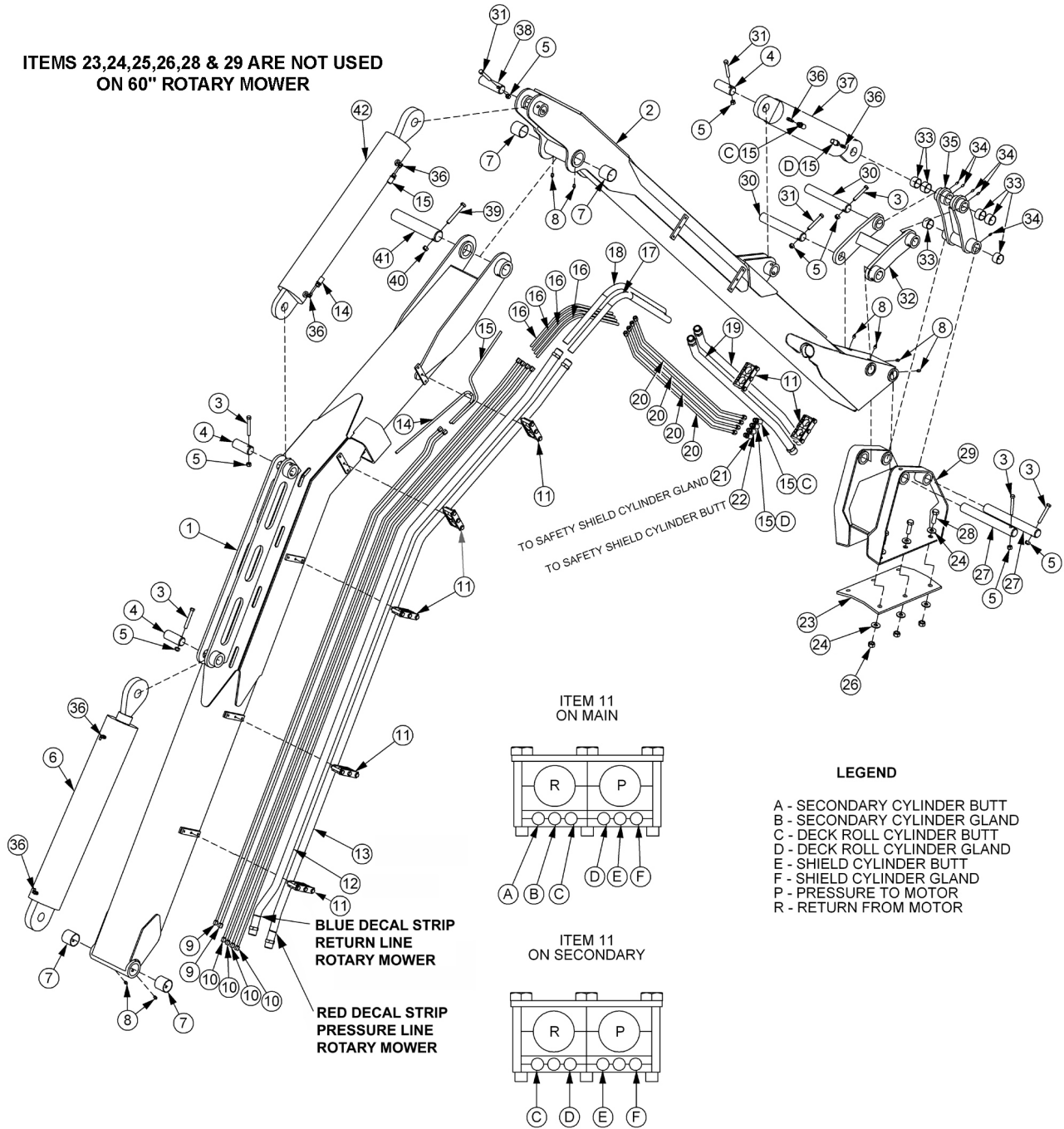
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 7 | 32363 | 1 | CYLINDER,5" X 25" |
| 8 | 32364 | 1 | CYLINDER,4-1/2" X 26-1/2" |
| 9 | 32365 | 1 | CYLINDER,4" X 15" |
| 10 | 33542 | 2 | PREFORMED TUBE,1" |
| 11 | 06506062 | 2 | PREFORMED TUBE,3/8" |
| 12 | 06506063 | 4 | PREFORMED TUBE,3/8" |
| 13 | 32629 | 4 | PREFORMED TUBE,3/8" |
| 14 | 06506060 | 1 | PREFORMED TUBE,1" (ROTARY RETURN) |
| 15 | 06506061 | 1 | PREFORMED TUBE,1" (ROTARY PRESSURE) |
| 16 | 33215 | 6 | TUBE CLAMP KIT |
| 17 | 32313 | 2 | PIN |
| 18 | 32319 | 2 | PIN |
| 19 | 32810 | 6 | ELBOW |
| 20 | 32372 | 1 | PIN |
| 21 | 32374 | 1 | PIN |
| 22 | 32375 | 3 | PIN |
| 23 | 32318 | 6 | BEARING |
| 24 | 32321 | 4 | BEARING |
| 25 | 32362 | 4 | BEARING |
| 26 | 32818 | 4 | HOSE,3/8" X 24" |
| 27 | 32680 | 4 | HOSE,3/8" X 43" |
| 28 | 33544 | 1 | HOSE,1" X 40" |
| 29 | 6T3207 | 6 | GREASE ZERK |
| 30 | 6T3211 | 8 | GREASE ZERK |
| 32 | 21677 | 8 | NYLOCK NUT,7/16",NC |
| 33 | 21727 | 1 | NYLOCK NUT,1/2",NC |
| 34 | 6T2408 | 6 | HEX NUT,5/8",NC |
| 35 | 21687 | 3 | CAPSCREW,7/16" X 3",NC |
| 36 | 21688 | 5 | CAPSCREW,7/16" X 3-1/4",NC |
| 37 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 38 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NC |
| 40 | 35260 | 1 | HOSE COVER (NOT SHOWN) |
| 41 | 33543 | 1 | HOSE,1" X 39" |
| 42 | 25270 | 12 | FLATWASHER,5/8",USS |

COMMON SABER T4

SABER MB BOOM ASSEMBLY

ITEMS 23,24,25,26,28 & 29 ARE NOT USED ON 60" ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 06310075 | 1 | BOOM,MB,PRIMARY,SABER |
| 2 | 06310165 | 1 | BOOM,MB,SECONDARY,SABER MB, T4 |
| 3 | 21688 | 5 | CAPSCREW,7/16" X 3-1/4,NC |
| 4 | 32375 | 3 | PIN,1-1/2" X 3-13/16",W/HOLE |
| 5 | 21677 | 8 | NYLOCK NUT,7/16",NC |
| 6 | 32363 | 1 | CYLINDER,5" X 25" |

COMMON SABER T4

SABER MB BOOM ASSEMBLY

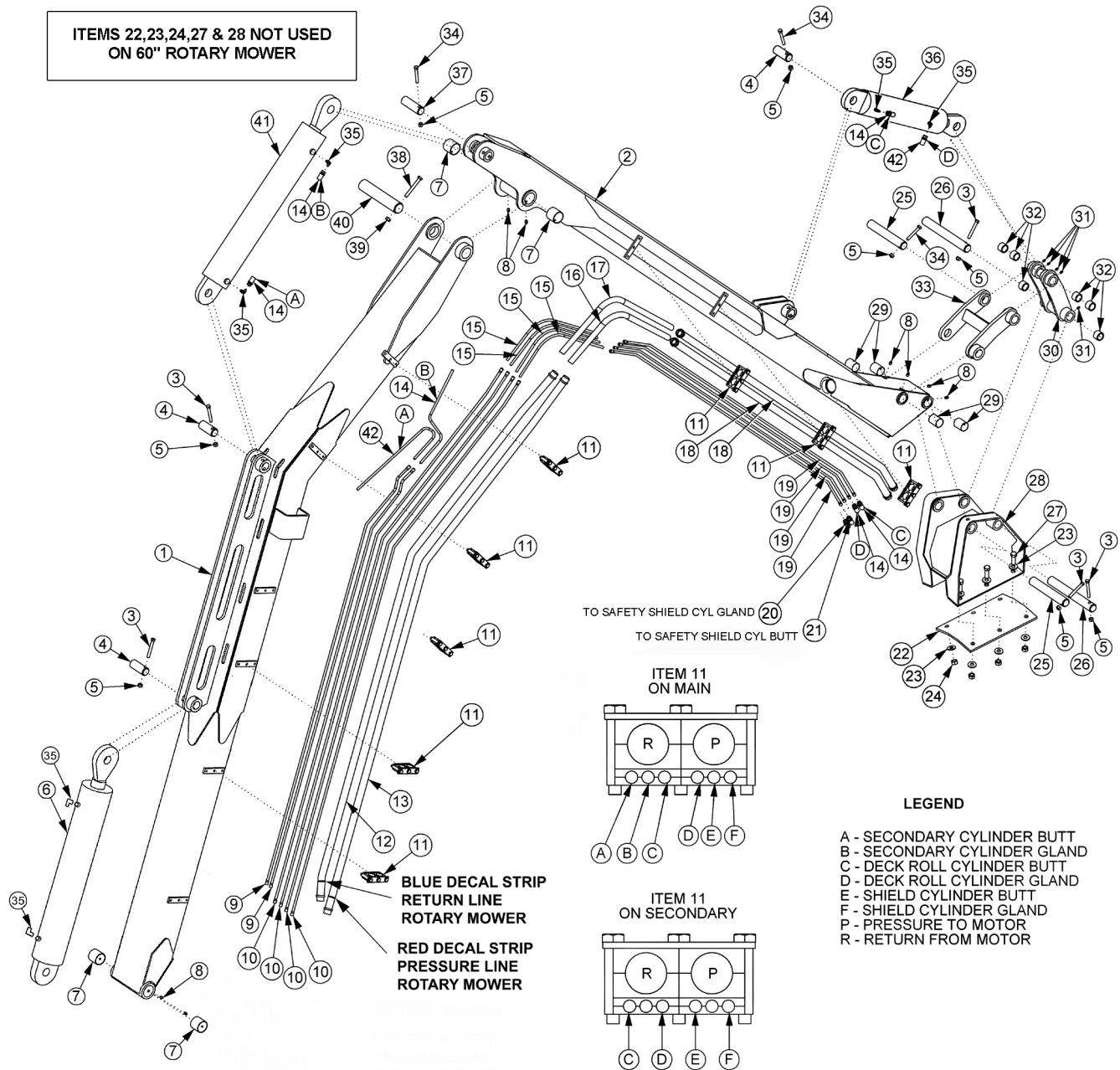
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 7 | 32362 | 4 | BEARING,DX,2" X 2" LONG |
| 8 | 6T3211 | 8 | GREASE ZERK,1/8" X STR |
| 9 | 06506050 | 2 | PRFRMD,1,MAIN,SABER MB T4 |
| 10 | 06506051 | 4 | PRFRMD,2,MAIN,SABER MB T4 |
| 11 | 33215 | 7 | TUBE CLAMP KIT |
| 12 | 06506045 | 1 | PRFRMD,4,MAIN,SABER MB (ROTARY RETURN) |
| 13 | 06506044 | 1 | PRFRMD,3,MAIN,SABER MB (ROTARY PRESSURE) |
| 14 | 06500488 | 1 | HOSE,3/8 X 39" |
| 15 | 32818 | 3 | HOSE,3/8" X 24" |
| 16 | 32680 | 4 | HOSE,3/8" X 43" |
| 17 | 33543 | 1 | HOSE,1" X 39" |
| 18 | 33544 | 1 | HOSE,1" X 40" |
| 19 | 33542 | 2 | PRFRMD,2,SEC,SABER |
| 20 | 32629 | 4 | PRFRMD,1,SEC,SABER |
| 21 | 06500670 | 1 | HOSE,3/8" X 108" |
| 22 | 06500366 | 1 | HOSE,3/8" X 98" |
| 23 | 32309 | 1 | PLATE,MOUNT,HEAD,MOWER |
| 24 | 25270 | 12 | FLATWASHER,5/8",GR 8 |
| 25 | 21992 | 6 | LOCKWASHER,5/8" |
| 26 | 6T2408 | 6 | HEX NUT,5/8",NF |
| 27 | 32313 | 2 | PIN,MOUNT,SWIVEL |
| 28 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 29 | 32311 | 1 | MOUNT,SWIVEL,HEAD,MOWER |
| 30 | 32319 | 2 | PIN,LINKAGE,BOOM |
| 31 | 21687 | 3 | CAPSCREW,7/16" X 3",NC |
| 32 | 32316 | 1 | LINKAGE,BOOM TO CYLINDER,SABER |
| 33 | 32318 | 6 | BEARING,DX,1-1/2" X 1" LONG |
| 34 | 6T3207 | 6 | GREASE ZERK,1/4" |
| 35 | 32745 | 1 | LINKAGE W/BUSHINGS,SABER |
| 36 | 32810 | 6 | ELBOW,1/2ORB X 3/8MJ |
| 37 | 32365 | 1 | CYLINDER,4" X 15" |
| 38 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 39 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 40 | 21727 | 1 | NYLOCK NUT,1/2" |
| 41 | 32374 | 1 | PIN,BOOM,STAGE 1ST TO 2ND |
| 42 | 32364 | 1 | CYLINDER,WELDED,4-1/2" X 26-1/2" |

COMMON SABER T4

SABER XB BOOM ASSEMBLY

ITEMS 22,23,24,27 & 28 NOT USED
ON 60" ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 1 | 06310031 | 1 | BOOM, LONG, PRIMARY, SABER |
| 2 | 06310166 | 1 | BOOM, LONG, SECONDARY, SABER XB, T4 |
| 3 | 21688 | 5 | CAPSCREW, 7/16" X 3-1/4", NC |
| 4 | 32375 | 3 | PIN, 1-1/2" X 3-13/16", W/HOLE |
| 5 | 21677 | 8 | NYLOCK NUT, 7/16", NC |
| 6 | 32363 | 1 | CYLINDER, 5" X 25" |
| 7 | 32362 | 4 | BEARING, DX, 2" X 2" LONG |
| 8 | 6T3211 | 8 | GREASE ZERK, 1/8" X STR |

COMMON SABER T4

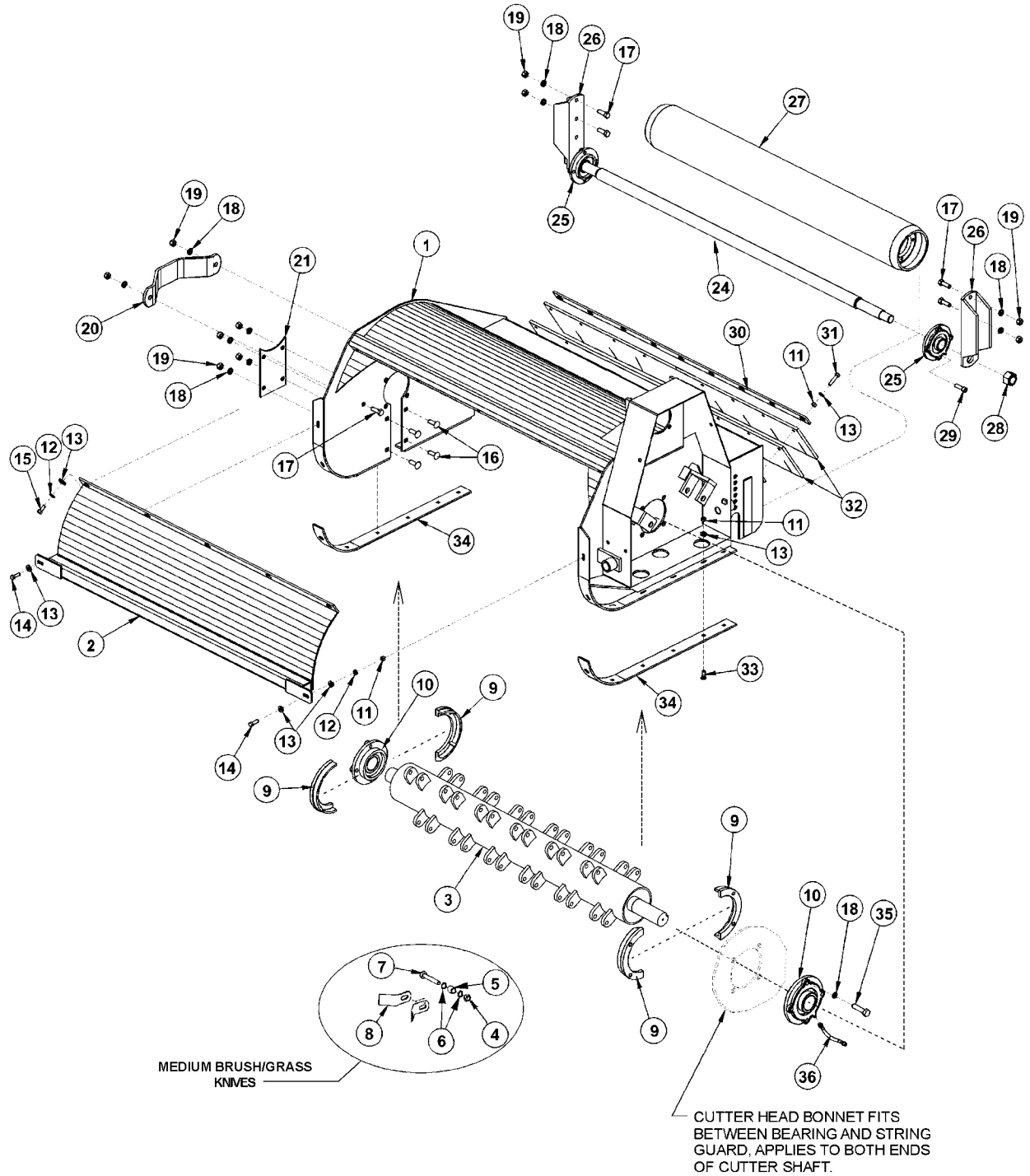
SABER XB BOOM ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 9 | 06506042 | 2 | PRFRMD,1,MAIN,SABER XB |
| 10 | 06506043 | 4 | PRFRMD,2,MAIN,SABER XB |
| 11 | 33215 | 8 | TUBE CLAMP KIT |
| 12 | 06506045 | 1 | PRFRMD,4,MAIN,SABER XB (ROTARY RETURN) |
| 13 | 06506044 | 1 | PRFRMD,3,MAIN,SABER XB (ROTARY PRESSURE) |
| 14 | 32818 | 3 | HOSE,3/8" X 24" |
| 15 | 32680 | 4 | HOSE,3/8" X 43" |
| 16 | 33543 | 1 | HOSE,1" X 39" |
| 17 | 33544 | 1 | HOSE,1" X 40" |
| 18 | 06506034 | 2 | PRFRMD,2,SEC,SABER XB |
| 19 | 06506033 | 4 | PRFRMD,1,SEC,SABER XB |
| 20 | 33223 | 1 | HOSE,3/8" X 70" |
| 21 | 33222 | 1 | HOSE,3/8" X 59" |
| 22 | 32309 | 1 | PLATE,MOUNT,HEAD,MOWER |
| 23 | 25270 | 12 | FLATWASHER,5/8",GR 8 |
| 24 | 6T2408 | 6 | HEX NUT,5/8",NF |
| 25 | 32319 | 2 | PIN,LINKAGE,BOOM |
| 26 | 32313 | 2 | PIN,MOUNT,SWIVEL,HEAD,MOWER |
| 27 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 28 | 32311 | 1 | MOUNT,SWIVEL,HEAD,MOWER |
| 29 | 32321 | 4 | BEARING,DX,1-1/2" X 2" LONG |
| 30 | 32745 | 1 | LINKAGE W/BUSHINGS,SABER |
| 31 | 6T3207 | 6 | GREASE ZERK,1/4" |
| 32 | 32318 | 6 | BEARING,DX,1-1/2" X 1" LONG |
| 33 | 32316 | 1 | LINKAGE,BOOM TO CYLINDER,SABER |
| 34 | 21687 | 3 | CAPSCREW,7/16" X 3", NC |
| 35 | 32810 | 6 | ELBOW,1/2ORB X 3/8MJ |
| 36 | 32365 | 1 | CYLINDER,4" X 15" |
| 37 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 38 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 39 | 21727 | 1 | NYLOCK NUT,1/2" |
| 40 | 32374 | 1 | PIN,BOOM,STAGE 1ST TO 2ND |
| 41 | 32364 | 1 | CYLINDER,WELDED,4-1/2" X 26-1/2" |
| 42 | 06500488 | 1 | HOSE, 3/8" X 39" |

COMMON SABER T4

50IN FLAIL ASSEMBLY



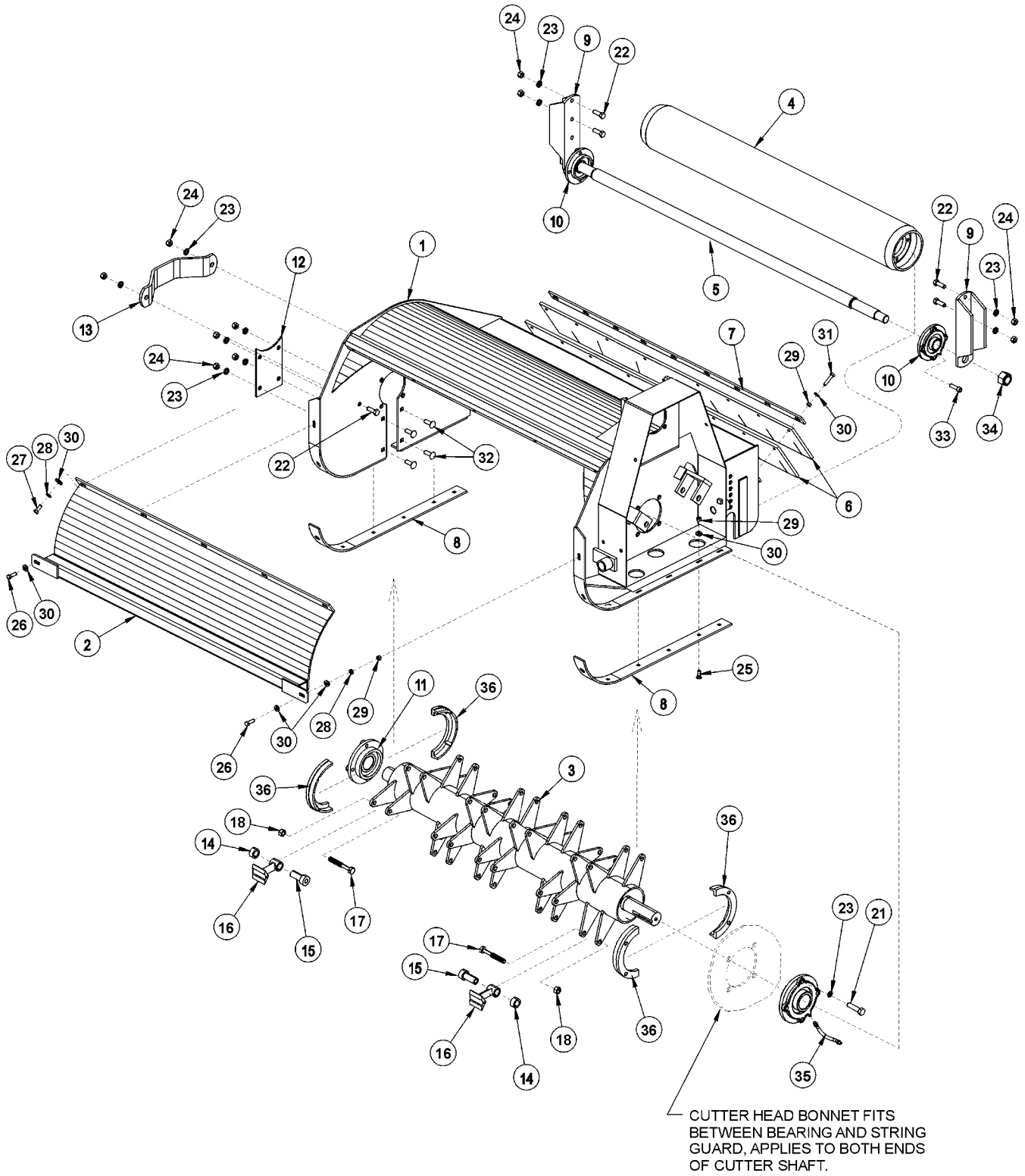
50IN FLAIL ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| ---- | 06742138 | 1 | FLAIL,BOOM,50,MD GRASS,CPLT ASSY (MEDIUM BRUSH/GRASS) |
| 1 | 06320145 | 1 | CUTTER HEAD BONNET |
| 2 | TF3004 | 1 | FRONT SHIELD |
| 3 | 06700115 | 1 | TBF50 (MEDIUM BRUSH/GRASS KNIFE ASSY) |
| 4 | 6T2419 | 24 | HEX NUT,9/16",NC,STOVER |
| 5 | 41725.01 | 24 | BUSHING,1"OD X 5/8"ID |
| 6 | 06430122 | 48 | SPACER (MEDIUM BRUSH/GRASS KNIVES) |
| 7 | 34786 | 24 | CAPSCREW,9/16" X 3-1/2",NC |
| 8 | 06521007 | 48 | KNIFE (MEDIUM BRUSH/GRASS CUTTING) |
| 9 | 31204 | 2 | STRING GUARD SET (2 PIECES PER SET) |
| 10 | TF1018 | 2 | FLANGE BEARING,2-3/16" |
| 11 | 21625 | 23 | HEX NUT,3/8",NC |
| 12 | 21988 | 7 | LOCKWASHER,3/8" |
| 13 | 22016 | 30 | FLATWASHER,3/8" |
| 14 | 21631 | 2 | CAPSCREW,3/8" X 1-1/4",NC |
| 15 | 21630 | 5 | CAPSCREW,3/8" X 1",NC |
| 16 | 6T7031D | 4 | PLOW BOLT,1/2" X 1-1/2",NC |
| 17 | 21731 | 6 | CAPSCREW,1/2" X 1-1/2",NC |
| 18 | 21990 | 18 | LOCKWASHER,1/2" |
| 19 | 21725 | 10 | HEX NUT,1/2",NC |
| 20 | TF1040 | 1 | CUTTER SHAFT GUARD |
| 21 | TF3007A | 1 | COVER PLATE |
| 24 | TF3406 | 1 | GROUND ROLLER TIE ROD |
| 25 | TF1022 | 2 | FLANGE BEARING,1-3/8" |
| 26 | TF3407 | 2 | GROUND ROLLER ADJUSTMENT BRACKET |
| 27 | TF3405 | 1 | GROUND ROLLER |
| 28 | 6T1023R | 2 | NYLOCK NUT,1-1/8",NF |
| 29 | 6T2330 | 8 | CAPSCREW,7/16" X 1-1/2",SOCKET HEAD |
| 30 | TB1008 | 1 | FLAP RETAINING BAR |
| 31 | 21633 | 9 | CAPSCREW,3/8" X 1-3/4",NC |
| 32 | TB1006A | 2 | DEFLECTOR FLAP |
| 33 | 6T2270 | 12 | PLOWBOLT,3/8" X 1",NC |
| 34 | TF3001 | 2 | SKID SHOE |
| 35 | 06530218 | 8 | CAPSCREW,1/2" X 1-3/4",NC |
| 36 | TF1032 | 1 | FLANGE BEARING GREASE HOSE |

COMMON SABER T4

50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES

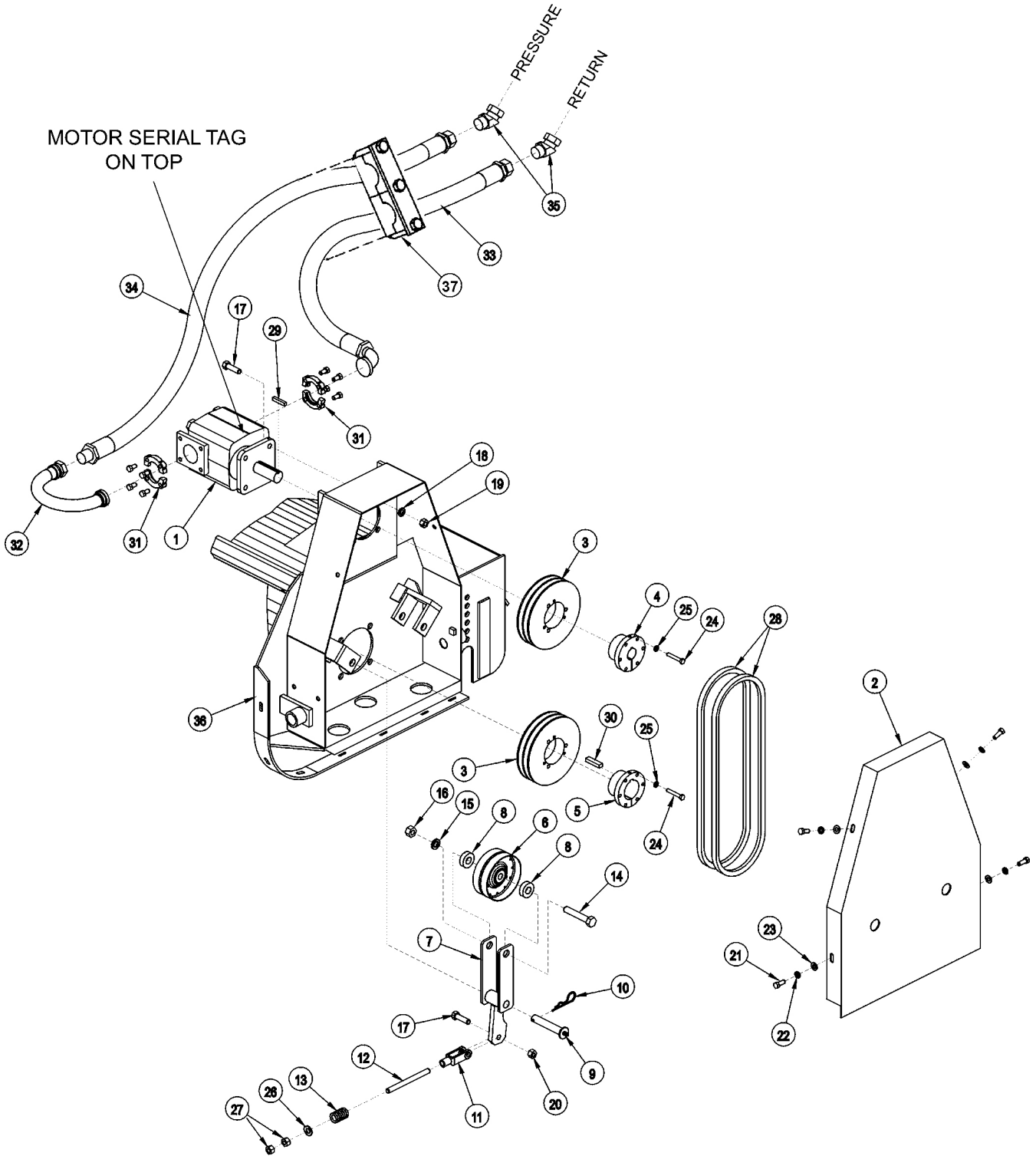


50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| --- | 06742135 | 1 | FLAIL,BOOM,50,CPLT ASSY |
| 1 | 06320145 | 1 | CUTTER HEAD BONNET |
| 2 | TF3004 | 1 | FRONT SHIELD |
| 3 | 33717 | 1 | TBF50,CUTTERSHAFT,PASS THRU KNIVES |
| 4 | TF3405 | 1 | GROUND ROLLER |
| 5 | TF3406 | 1 | GROUND ROLLER TIE ROD |
| 6 | TB1006A | 2 | DEFLECTOR FLAP |
| 7 | TB1008 | 1 | FLAP RETAINING BAR |
| 8 | TF3001 | 2 | SKID SHOE |
| 9 | TF3407 | 2 | GROUND ROLLER ADJUSTMENT BRACKET |
| 10 | TF1022 | 2 | FLANGE BEARING,1-3/8" |
| 11 | TF1018 | 2 | FLANGE BEARING,2-3/16" |
| 12 | TF3007A | 1 | COVER PLATE |
| 13 | TF1040 | 1 | CUTTER SHAFT GUARD |
| 14 | 33858 | 24 | SPACER,COLLAR |
| 15 | 33857 | 24 | SHOULDER,BUSHING |
| 16 | 46399.01 | 24 | KNIFE,FLAIL,FORGED |
| 17 | 33854 | 24 | CAPSCREW,5/8" X 4-1/2",NC |
| 18 | 32674 | 24 | HEX NUT,5/8",NC |
| 21 | 21732 | 8 | CAPSCREW,1/2" X 1-3/4",NC |
| 22 | 21731 | 6 | CAPSCREW,1/2" X 1-1/2",NC |
| 23 | 21990 | 18 | LOCKWASHER,1/2" |
| 24 | 21725 | 10 | HEX NUT,1/2",NC |
| 25 | 6T2270 | 12 | PLOWBOLT,3/8" X 1",NC |
| 26 | 21631 | 2 | CAPSCREW,3/8" X 1-1/4",NC |
| 27 | 21630 | 5 | CAPSCREW,3/8" X 1",NC |
| 28 | 21988 | 7 | LOCKWASHER,3/8" |
| 29 | 21625 | 23 | HEX NUT,3/8",NC |
| 30 | 22016 | 30 | FLATWASHER,3/8" |
| 31 | 21633 | 9 | CAPSCREW,3/8" X 1-3/4",NC |
| 32 | 6T7031D | 4 | PLOW BOLT,1/2" X 1-1/2",NC |
| 33 | 6T2330 | 8 | CAPSCREW,7/16" X 1-1/2",NC,SCKT HD |
| 34 | 6T1023R | 2 | NYLOCK NUT,1-1/8",NF |
| 35 | TF1032 | 1 | FLANGE BEARING GREASE HOSE |
| 36 | 31204 | 2 | STRING GUARD SET (2 PIECES PER SET) |

50IN FLAIL DRIVE ASSEMBLY



50IN FLAIL DRIVE ASSEMBLY

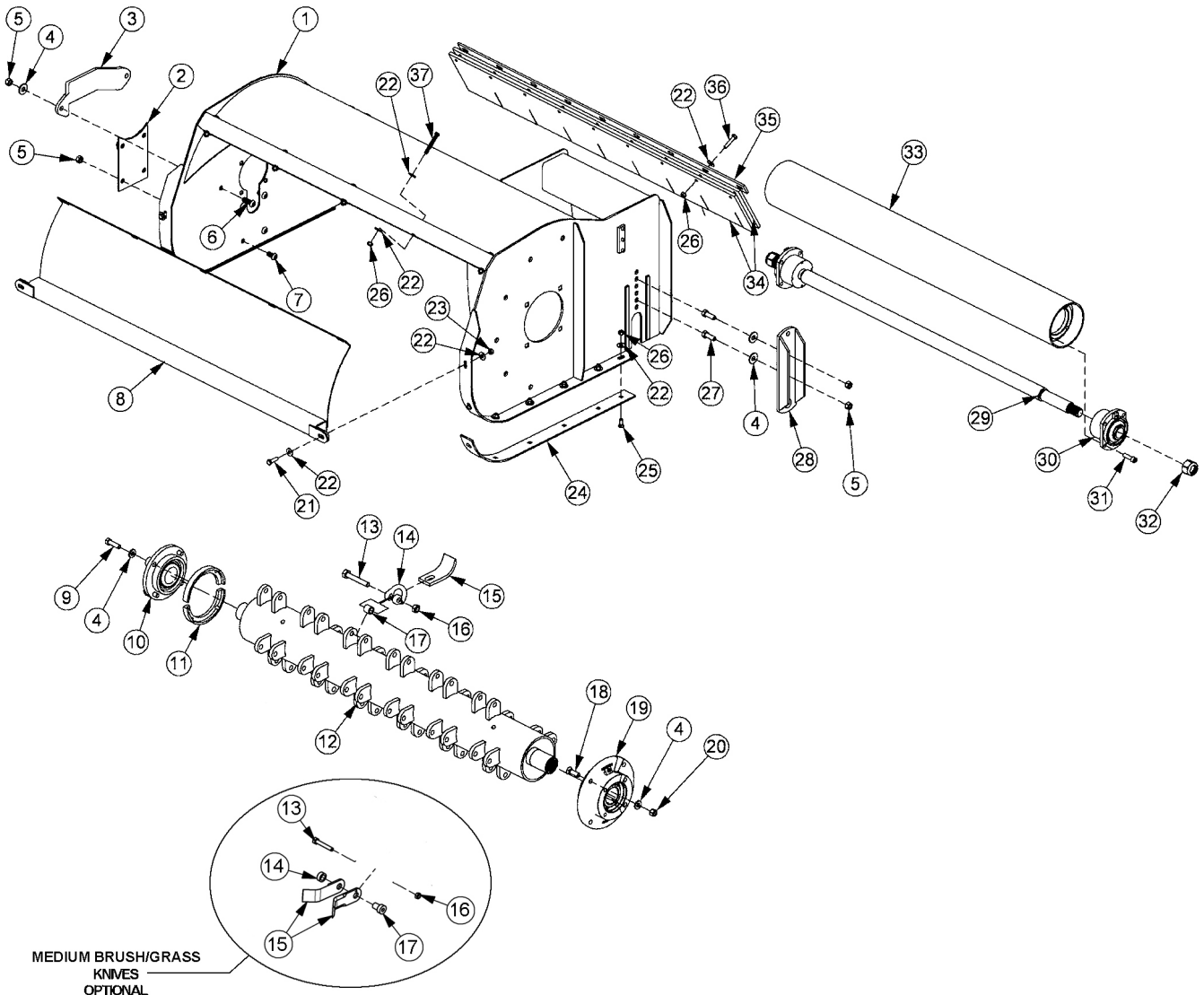
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06504132 | 1 | MOTOR |
| 2 | TF3006 | 1 | BELT GUARD |
| 3 | TF3043 | 2 | SHEAVE |
| 4 | TF3013 | 1 | BUSHING |
| 5 | TF3011 | 1 | BUSHING |
| 6 | TF3034 | 1 | IDLER PULLEY |
| 7 | TF3205 | 1 | IDLER ARM |
| 8 | TF3206 | 2 | IDLER PULLEY SPACER |
| 9 | TF3605 | 1 | IDLER ARM PIN WITH ZERK |
| 10 | 6T3004 | 1 | R - CLIP |
| 11 | PT3611A | 1 | CLEVIS |
| 12 | 32481 | 1 | THREADED ROD |
| 13 | TF3620 | 1 | COMPRESSION SPRING |
| 14 | 21789 | 1 | CAPSCREW,5/8" X 3-1/2",NC |
| 15 | 21992 | 1 | LOCKWASHER,5/8" |
| 16 | 21775 | 1 | HEX NUT,5/8",NC |
| 17 | 21732 | 5 | CAPSCREW,1/2" X 1-3/4",NC |
| 18 | 21990 | 4 | LOCKWASHER,1/2" |
| 19 | 21725 | 4 | HEX NUT,1/2",NC |
| 20 | 6T2418 | 1 | LOCK NUT,1/2" |
| 21 | 21630 | 4 | CAPSCREW,3/8" X 1",NC |
| 22 | 21988 | 4 | LOCKWASHER,3/8" |
| 23 | 22016 | 4 | FLATWASHER,3/8" |
| 24 | 21584 | 6 | CAPSCREW,5/16" X 2",NC |
| 25 | 21987 | 6 | LOCKWASHER,5/16" |
| 26 | 27938 | 1 | FLATWASHER,1/2" |
| 27 | 21700 | 2 | HEX NUT,1/2",NF |
| 28 | TF3021 | 2 | BELT |
| 29 | TF1125 | 1 | SQUARE KEY |
| 30 | TF1025 | 1 | SQUARE KEY MOTOR |
| 31 | TF4852 | 2 | FLANGE KIT |
| 32 | 06506038 | 1 | PREFORMED TUBE |
| 33 | 06500728 | 1 | HOSE,1 X 103 (RETURN) |
| 34 | 06500796 | 1 | HOSE,1 X 111 (PRESSURE) |
| 35 | 24724 | 2 | SWIVEL FITTING |
| 36 | ----- | - | CUTTER HEAD |
| 37 | 06505130 | 1 | CLAMP,HOSE |

COMMON SABER T4

SABER DIRECT DRIVE FLAIL ASSY

Parts of this machine are protected by U.S. Patent number 7,930,872 B2



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| --- | 06742086 | 1 | BONNET,SBF50,DD,ASSY (LIGHT BRUSH) |
| ---- | 06742142 | 1 | BONNET,SBF50,DD,ASSY (MEDIUM BRUSH) |

SABER DIRECT DRIVE FLAIL ASSY

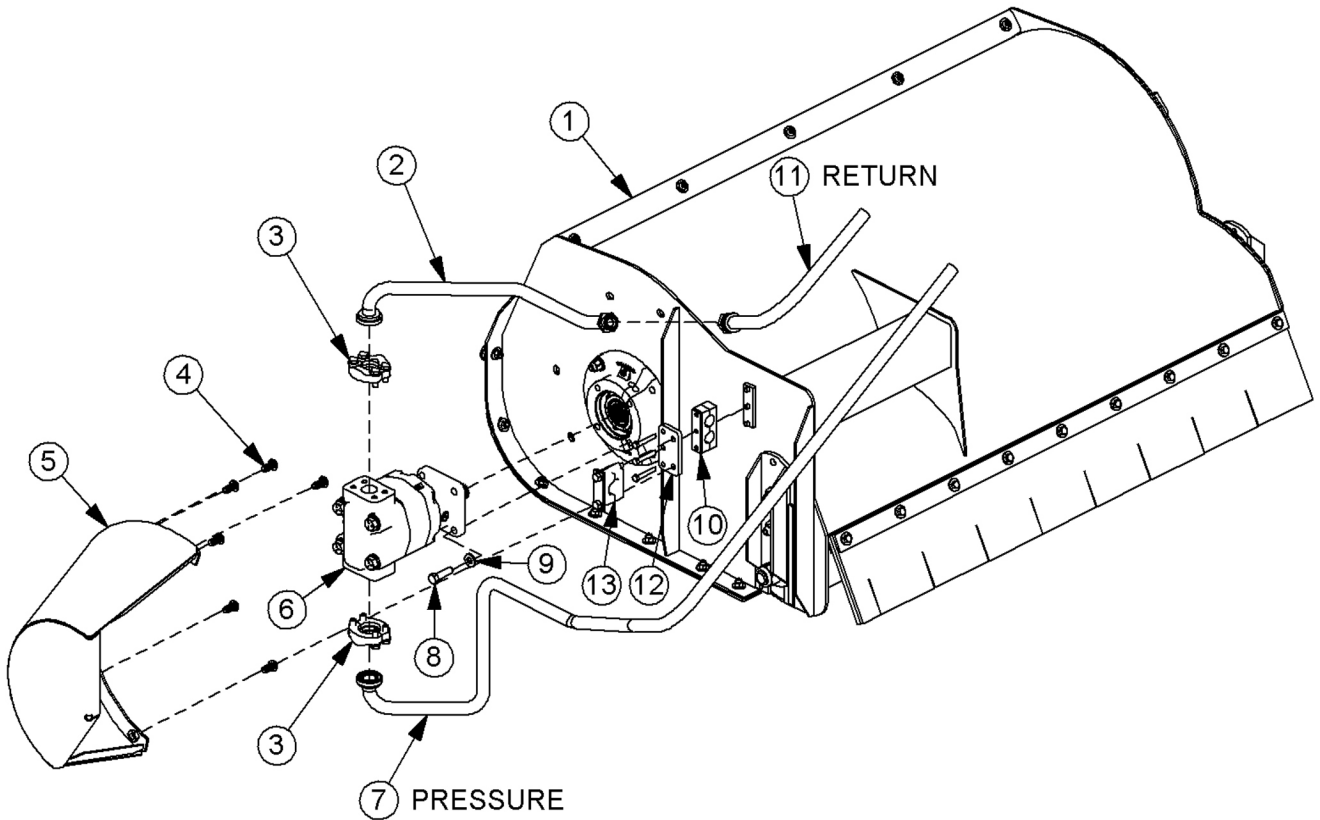
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 06320112 | 1 | BONNET |
| 2 | TF3007A | 1 | COVER PLATE |
| 3 | 06410794 | 1 | GUARD |
| 4 | 06533006 | 14 | FLATWASHER,1/2",GR 9 |
| 5 | 21727 | 10 | NYLOCK NUT,1/2",NC |
| 6 | 06530404 | 2 | CAPSCREW,SKT/BUT HD,1/2" X 1-1/2",NC |
| 7 | 06530401 | 4 | CAPSCREW,SKT/BUT HD,1/2" X 1",NC |
| 8 | 06320127 | 1 | DOOR,SBF50 DD |
| 9 | 06530218 | 4 | CAPSCREW,1/2" X 1-3/4",NC,L9 |
| 10 | 06520211 | 1 | BEARING W/ HOUSING |
| 11 | 31204 | 1 | STRING GUARD |
| --- | 06700123 | 1 | CUTTERSHAFT ASSY (LIGHT BRUSH) |
| ---- | 06700153 | 1 | CUTTERSHAFT ASSY (MEDIUM BRUSH) |
| 12 | 06370124 | 1 | CUTTERSHAFT W/ INSERT |
| 13 | 34786 | 24 | KNIFE MNTG BOLT |
| 14 | 34782 | 24 | KNIFE MNTG CLEVIS (LIGHT BRUSH) |
| --- | 06420183 | 24 | SPACER (MEDIUM BRUSH) |
| 15 | 34780 | 24 | KNIFE (LIGHT BRUSH) |
| --- | 06521007 | 48 | KNIFE (MEDIUM BRUSH) |
| 16 | 6T2419 | 24 | HEX NUT,9/16",STOVER |
| 17 | 06420182 | 24 | BUSHING |
| 18 | 06537030 | 4 | PLOW BOLT,1/2" X 1-3/4",NC,GR8 |
| 19 | 06520190 | 1 | BEARING,DRIVE |
| 20 | 06531005 | 4 | HEX NUT,1/2",NC,L9 |
| 21 | 21631 | 2 | CAPSCREW,3/8" X 1-1/4",NC,GR8 |
| 22 | 22016 | 35 | FLATWASHER,3/8" |
| 23 | 21627 | 2 | NYLOCK NUT,3/8",NC |
| 24 | 06410802 | 2 | SKID SHOE |
| 25 | 6T2270 | 12 | PLOW BOLT,3/8" X 1",NC |
| 26 | 21625 | 26 | HEX NUT,3/8",NC |
| 27 | 21731 | 4 | CAPSCREW,1/2" X 1-1/2",NC |
| 28 | 06320125 | 2 | BRACKET,GROUND ROLLER |
| 29 | 31452 | 1 | AXLE,TIE-ROD |
| 30 | TF1022 | 2 | BEARING,GROUND ROLLER |
| 31 | 6T2330 | 8 | CAPSCREW,SKT HD,7/16" X 1-1/2",NC |
| 32 | 6T1023R | 2 | NYLOCK NUT,1-1/8",NF |
| 33 | TF3405 | 1 | GROUND ROLLER |
| 34 | TB1006A | 2 | FLAP |
| 35 | TB1008 | 1 | FLAP BAR |
| 36 | 21633 | 9 | CAPSCREW,3/8" X 1-3/4",NC,GR8 |
| 37 | 06530402 | 5 | CAPSCREW,SKT/BUT HD,3/8" X 2-3/4",NC |

COMMON SABER T4

SABER DIRECT DRIVE ASSEMBLY

Parts of this machine are
protected by U.S. Patent
number 7,930,872 B2

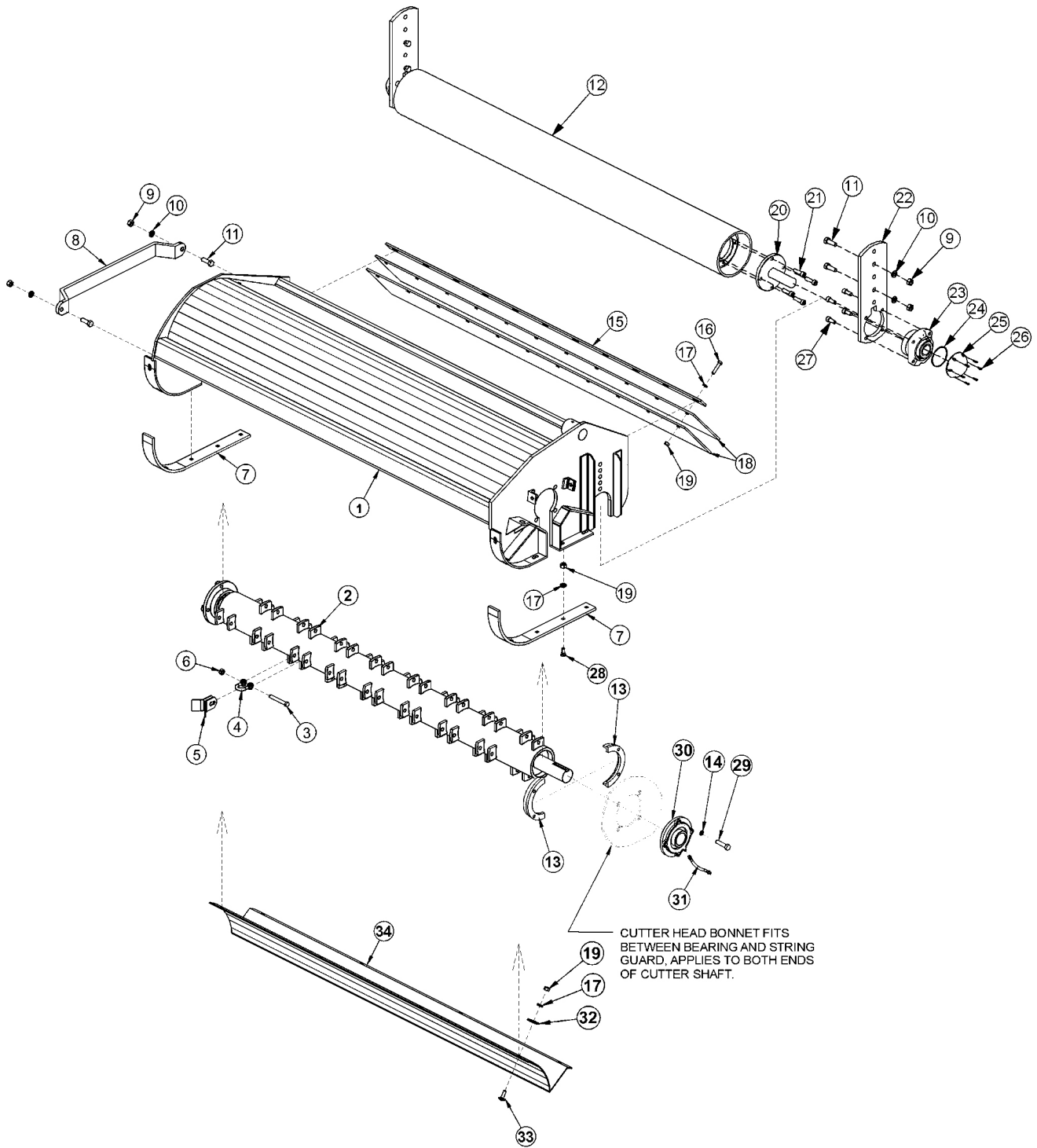


SABER DIRECT DRIVE ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | ----- | - | BONNET *REFER TO BONNET ASSY |
| 2 | 06506040 | 1 | PREFORMED TUBE |
| 3 | TF4852 | 2 | FLANGE KIT |
| 4 | 06530401 | 6 | CAPSCREW,SKT/BUT HD,1/2" X 1",NC |
| 5 | 06320126 | 1 | MOTOR GUARD |
| 6 | 06504003 | 1 | MOTOR,DD |
| 7 | 06500539 | 1 | HOSE,1" X 82" |
| 8 | 06530223 | 4 | CAPSCREW,9/16" X 1-3/4",NC,GR8 |
| 9 | 06533003 | 4 | FLATWASHER,9/16",GR9,SAE |
| 10 | 06505014 | 1 | CLAMP KIT |
| 11 | 06500386 | 1 | HOSE,1" X 52" |
| 12 | 06401418 | 1 | PLATE,CLAMP |
| 13 | 06505017 | 1 | CLAMP KIT,HOSE |

63IN FLAIL ASSEMBLY

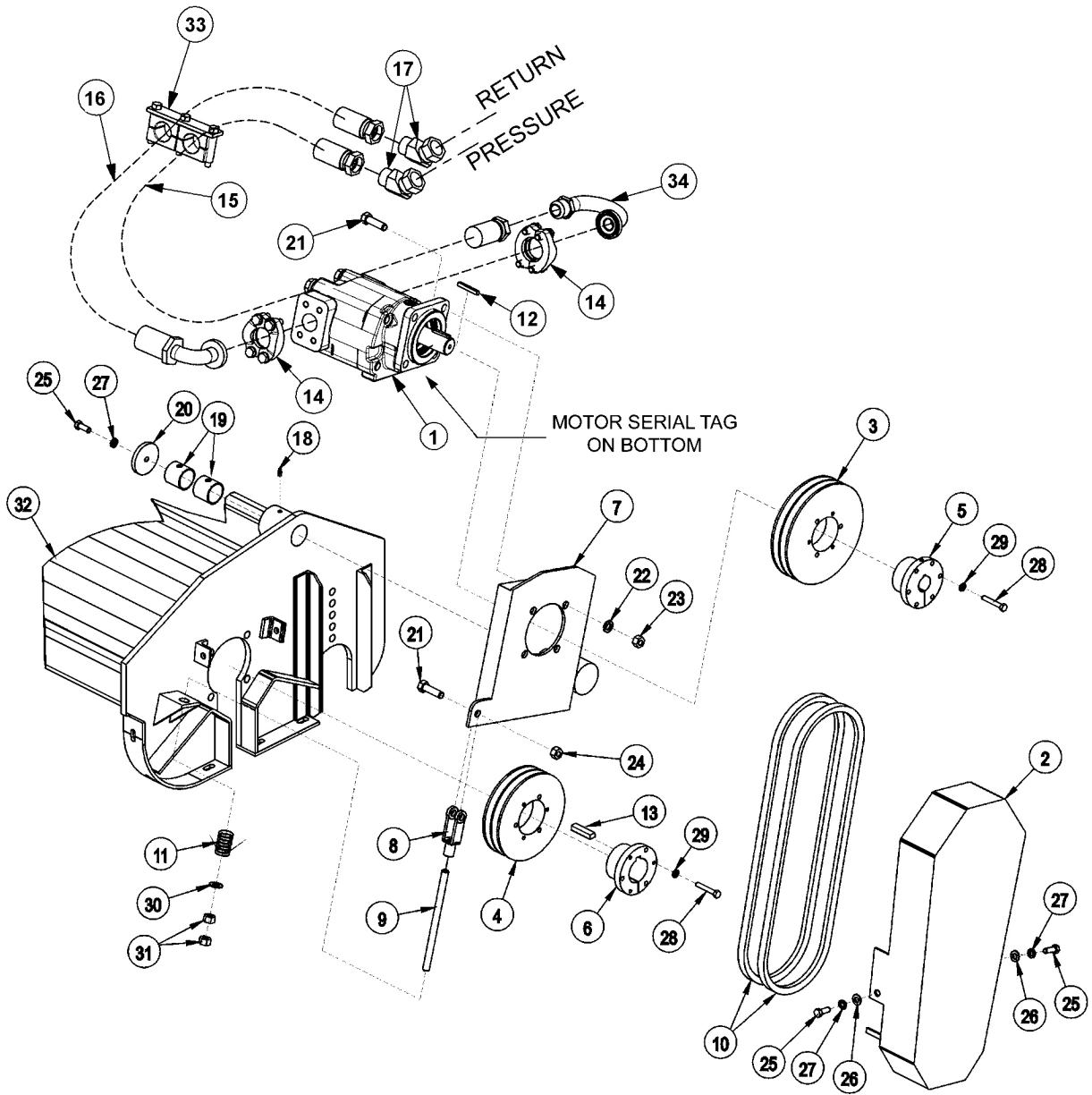


63IN FLAIL ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|---|
| ----- | 06200658 | 1 | FLAIL,BOOM,63",GRASS,CPLT ASSY |
| 1 | 06320110 | 1 | CUTTER HEAD BONNET |
| 2 | 28743 | 1 | CUTTER SHAFT / KNIFE ASSY STANDARD GRASS |
| ----- | 28642C | 1 | CUTTER SHAFT,63",STD |
| 3 | TF1021B | 36 | FLAIL KNIFE MOUNTING BOLT |
| 4 | TF1020 | 36 | FLAIL KNIFE MOUNTING CLEVIS |
| 5 | 33713 | 72 | FLAIL KNIFE - STANDARD |
| 6 | 21677 | 36 | NYLOCK NUT |
| 7 | 28086A | 2 | SKID SHOE |
| 8 | 27975A | 1 | CUTTER SHAFT GUARD |
| 9 | 21725 | 14 | HEX NUT,1/2",NC |
| 10 | 21990 | 14 | LOCKWASHER,1/2" |
| 11 | 21731 | 6 | CAPSCREW,1/2" X 1-1/2",NC |
| 12 | 28650A | 1 | GROUND ROLLER |
| 13 | 21838 | 1 | CAPSCREW,3/4" X 3-1/2",NC |
| 14 | 21825 | 1 | HEX NUT,3/4",NC |
| 15 | 28700 | 1 | FLAP RETAINING BAR |
| 16 | 21633 | 11 | CAPSCREW,3/8" X 1-3/4",NC |
| 17 | 21988 | 28 | LOCKWASHER,3/8" |
| 18 | 28701 | 2 | DEFLECTOR FLAP |
| 19 | 21625 | 28 | HEX NUT,3/8",NC |
| 20 | TF1045B | 2 | GROUND ROLLER STUB SHAFT |
| 21 | 6T2330 | 8 | CAPSCREW,7/16" X 1-1/2",SKT HD,NC |
| 22 | 28735 | 2 | ADJUSTABLE ROLLER BRACKET |
| 23 | 06520028 | 2 | BEARING,FLANGE,1-3/8",GRNDRLLR |
| 24 | 06520029 | 2 | O-RING |
| 25 | 06520027 | 2 | CAP,BEARING,GROUNDROLLER |
| 26 | 06530001 | 12 | CAPSCREW,SKT HD,8-32 X 1/2",SS |
| 27 | 6T2331 | 8 | CAPSCREW,7/16" X 1" SKT HD,NC |
| 28 | 6T2270 | 10 | PLOW BOLT,3/8" X 1-1/4",NC |
| 29 | 21733 | 8 | CAPSCREW,1/2" X 2",NC |
| 30 | 28683 | 2 | FLANGE BEARING |
| 31 | TF1032 | 1 | FLANGE BEARING GREASE HOSE |
| 32 | 6T2615 | 7 | FENDER WASHER,3/8" |
| 33 | 6T2283 | 7 | CARRIAGE BOLT,3/8" X 1",NC |
| 34 | 28665A | 1 | BAFFLE (INSIDE UPPER REAR OF CUTTER HEAD) |

63IN FLAIL DRIVE ASSEMBLY

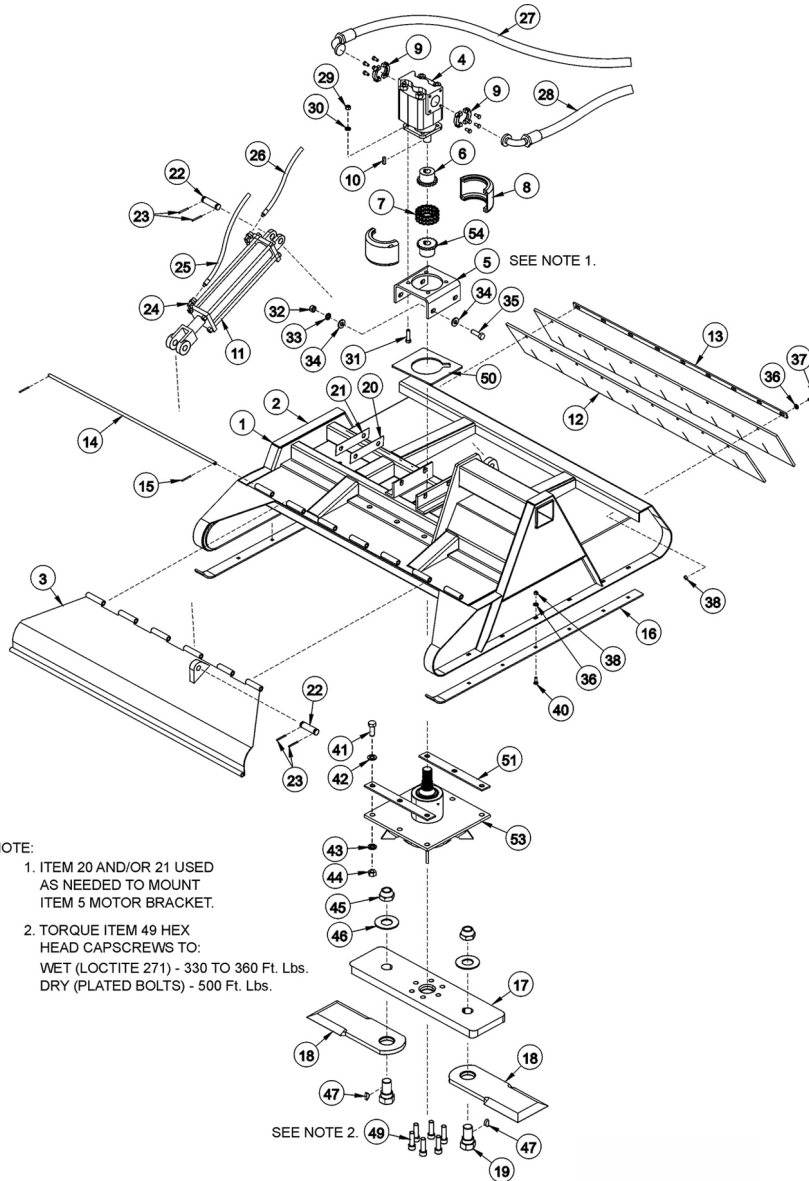


63IN FLAIL DRIVE ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|----------------------------------|
| 1 | 06504132 | 1 | MOTOR (M350-1 3/4 GEAR) |
| 2 | 28703B | 1 | BELT GUARD |
| 3 | TF3044 | 1 | UPPER SHEAVE |
| 4 | TF3040 | 1 | LOWER SHEAVE |
| 5 | TF3013 | 1 | BUSHING |
| 6 | 28723 | 1 | BUSHING |
| 7 | 28679B | 1 | MOTOR CHANNEL |
| 8 | PT3611A | 1 | CLEVIS |
| 9 | 40496 | 1 | THREADED ROD |
| 10 | 28702 | 2 | BELT |
| 11 | TF3620A | 1 | TENSIONER SPRING |
| 12 | 28572 | 1 | SQUARE KEY |
| 13 | TF1025 | 1 | SQUARE KEY |
| 14 | TF4852 | 2 | FLANGE KIT |
| 15 | 30308 | 1 | HOSE,1" X 143" (PRESSURE) |
| 16 | 30309 | 1 | HOSE,1" X 143" (RETURN) |
| 17 | 24724 | 2 | SWIVEL FITTING |
| 18 | TF1033 | 1 | GREASE ZERK |
| 19 | 27580 | 1 | BUSHING |
| 20 | 28682 | 1 | MOTOR CHANNEL WASHER |
| 21 | 21732 | 5 | CAPSCREW,1/2" X 1-3/4",NC |
| 22 | 21990 | 5 | LOCKWASHER,1/2" |
| 23 | 21725 | 4 | HEX NUT,1/2",NC |
| 24 | 21727 | 1 | NYLOCK NUT,1/2",NC |
| 25 | 21630 | 3 | CAPSCREW,3/8" X 1",NC |
| 26 | 22016 | 2 | FLATWASHER,3/8" |
| 27 | 21988 | 3 | LOCKWASHER,3/8" |
| 28 | 21584 | 6 | CAPSCREW,5/16" X 2",NC |
| 29 | 21987 | 6 | LOCKWASHER,5/16" |
| 30 | 27938 | 1 | FLATWASHER,1/2" |
| 31 | 21700 | 2 | HEX NUT,1/2",NF |
| 32 | ----- | - | CUTTER HEAD *REFER TO MOWER ASSY |
| 33 | 35131 | 1 | CLAMP,HOSE |
| 34 | 06506038 | 1 | PREFORMED TUBE |

50IN SABER ROTARY MOWER



NOTE:
 1. ITEM 20 AND/OR 21 USED AS NEEDED TO MOUNT ITEM 5 MOTOR BRACKET.
 2. TORQUE ITEM 49 HEX HEAD CAPSCREWS TO:
 WET (LOCTITE 271) - 330 TO 360 Ft. Lbs.
 DRY (PLATED BOLTS) - 500 Ft. Lbs.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 36979 | - | ROTARY,SABER 50",ASSY |
| 2 | 32914 | 1 | ROTARY,SABER 50",DECK**Y GNFO GP V'QPNI + |
| 3 | 32915 | 1 | SHIELD,50" ROTARY,SABER |
| 4 | 06504012 | 1 | MOTOR |
| 5 | 33198 | 1 | MOTOR MOUNTING BRACKET |
| 6 | 34479 | 1 | SPROCKET,MOTOR |
| 7 | 34482 | 1 | CHAIN COUPLING |
| 8 | 34483 | 1 | COVER COUPLING |
| 9 | TF4852 | 2 | FLANGE KIT |
| 10 | TF1124 | 1 | KEY,WOODRUFF |
| 11 | 33185 | 1 | CYLINDER |

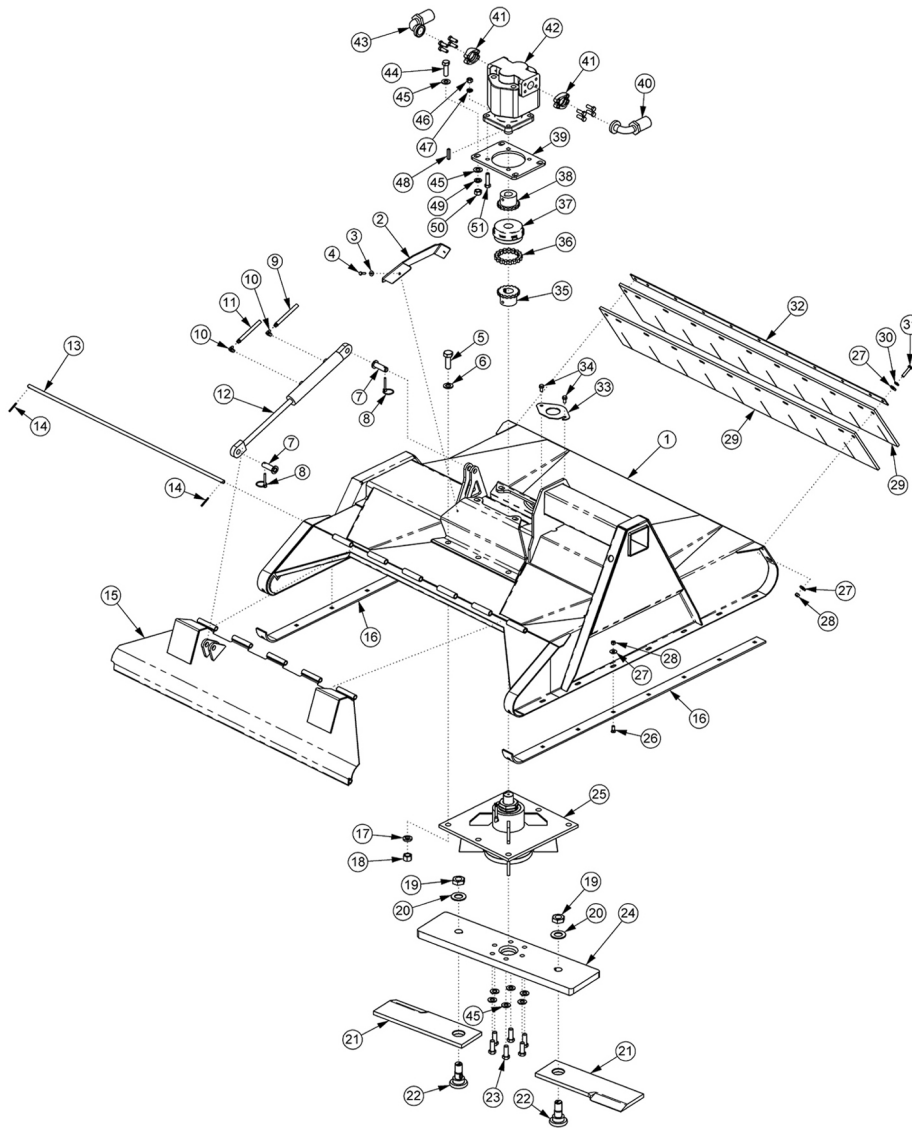
50IN SABER ROTARY MOWER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 12 | 32952 | 2 | DEFLECTOR FLAP |
| 13 | 33211 | 1 | RETAINING BAR,FLAP |
| 14 | 32951 | 1 | HINGE PIN,SHIELD |
| 15 | 33924 | 2 | ROLLPIN,HINGE PIN |
| 16 | 32936 | 2 | SKID SHOE |
| 17 | 34509 | 1 | BAR,KNIVE MOUNTING |
| 18 | 33203 | 1 | KNIVES,SET OF 2,ROTARY,3/4" |
| 19 | 34883 | 2 | BOLT,KNIFE |
| 20 | 6T0822 | 3 | SHIM,MOTOR MOUNT,THIN |
| 21 | 6T0822A | 3 | SHIM,MOTOR MOUNT,THICK |
| 22 | TB1033 | 2 | CLEVIS PIN |
| 23 | 06537021 | 4 | ROLL PIN,CLEVIS |
| 24 | 3334306 | 2 | ELBOW,3/8MP X 3/8MJ90 |
| 25 | 33223 | 1 | HOSE,CYLINDER,3/8" X 70" |
| 26 | 33222 | 1 | HOSE,CYLINDER,3/8" X 59" |
| 27 | 33548 | 1 | HOSE,MOTOR - RETURN (BLUE DECAL STRIP) |
| 28 | 33549 | 1 | HOSE,MOTOR - PRESSRUE (RED DECAL STRIP) |
| 29 | 21725 | 4 | HEX NUT,1/2",NC |
| 30 | 21990 | 4 | LOCK WASHER,1/2" |
| 31 | 21733 | 4 | CAPSCREW,1/2" X 2",NC |
| 32 | 6T2408 | 4 | HEX NUT,5/8",NF |
| 33 | 21992 | 4 | LOCK WASHER,5/8" |
| 34 | 33764 | 8 | FLAT WASHER,5/8" |
| 35 | 6T2290 | 4 | CAPSCREW,5/8" X 2",NF |
| 36 | 22016 | 25 | FLAT WASHER,3/8" |
| 37 | 21633 | 9 | CAPSCREW,3/8" X 1-3/4",NC |
| 38 | 21625 | 25 | HEX NUT,3/8",NC |
| 40 | 6T2270 | 14 | PLOW BOLT,3/8" X 1",NC |
| 41 | 33879 | 6 | CAPSCREW,3/4" X 2-1/2",NF |
| 42 | 33880 | 6 | FLAT WASHER,3/4" |
| 43 | 21993 | 6 | LOCK WASHER,3/4" |
| 44 | 6T2413 | 6 | HEX NUT,3/4",NF |
| 45 | 33860 | 2 | HEX NUT,KNIFE |
| 46 | 33859 | 2 | FLAT WASHER,KNIFE |
| 47 | PT209 | 2 | KEY,WOODRUFF |
| 49 | 34475 | 6 | HEX HD CAPSCREW,3/4" X 2",NF |
| 50 | 33614 | 1 | PLATE,SPINDLE COLLAR |
| 51 | 33617 | 2 | SHIM,STRAP,SPINDLE |
| 53 | 33219 | 1 | SPINDLE |
| 54 | ----- | - | SPROCKET *REFER TO SPINDLE PARTS |
| --- | 33891 | - | KIT,KNIVES (INCLUDES ITEMS 18,19,39,45,46,47) |

COMMON SABER T4

50IN SABER MB ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| --- | 06741036 | - | ROTARY,SABER,ASSY |
| 1 | 06320009 | 1 | ROTARY,SABER,DECK |
| 2 | 06410439 | 1 | COVER,MOTOR MNT |
| 3 | 22014 | 2 | FLATWASHER,1/4" |
| 4 | 21530 | 2 | CAPSCREW,1/4" X 1",NC |
| 5 | 33879 | 6 | CAPSCREW,3/4" X 2-1/4",NF,GR 8 |
| 6 | 33880 | 6 | FLATWASHER,3/4",GR 8,SAE |
| 7 | 33984 | 2 | PIN,SHIELD,50" |
| 8 | RD1032 | 2 | PIN,LYNCH,1/4" X 2" |
| 9 | 06500366 | 1 | HOSE,3/8" X 98" |
| 10 | 32810 | 2 | ELBOW,1/2" X 3/8" |
| 11 | 06500670 | 1 | HOSE,3/8" X 108" |

COMMON SABER T4

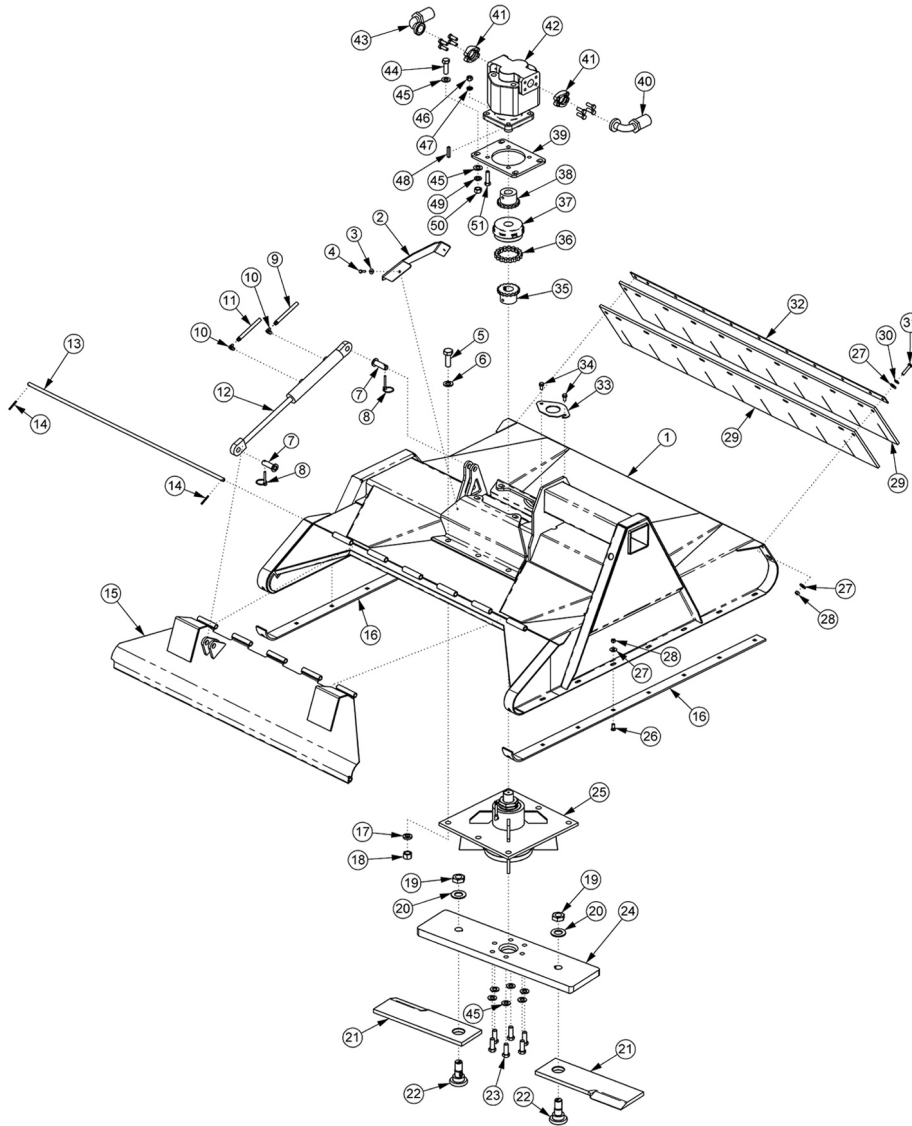
50IN SABER MB ROTARY MOWER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------------|-----------------|-------------|-----------------------------------|
| 12 | 33785 | 1 | CYL,1-1/2 X 8" |
| 13 | 33778 | 1 | HINGE PIN,50" RTRY |
| 14 | 6T3017 | 2 | ROLLPIN,3/16" X 1" |
| 15 | 33754 | 1 | SHIELD,50" RTRY |
| 16 | 33777 | 2 | SKID SHOE,50" RTRY |
| 17 | 21993 | 6 | LOCKWASHER,3/4",GR 8 |
| 18 | 6T2413 | 6 | HEX NUT,3/4",NF,GR 8 |
| 19 | 6T1023R | 2 | KNIFE MTG NUT,1-1/8",NF,GR8 |
| 20 | 06533002 | 2 | FLATWASHER,1-1/8",GR8 |
| 21 | 06521001 | 2 | KNIFE,TRB 50,5/8" |
| 22 | 06538000 | 2 | KNIFE MTG BOLT,5/8",SHOULDER |
| 23 | 6T2259 | 6 | CAPSCREW,5/8" X 1-3/4",NF,GR8 |
| 24 | 06400388 | 1 | BAR,BLADE,TRB |
| 25 | 6T1024H5 | 1 | SPINDLE |
| 26 | 6T2270 | 16 | PLOW BOLT,3/8" X 1",NC,GR5 |
| 27 | 22016 | 29 | FLATWASHER,3/8" |
| 28 | 21625 | 29 | HEX NUT,3/8",NC |
| 29 | 33775 | 2 | FLAP,50" RTRY |
| 30 | 21988 | 13 | LOCKWASHER,3/8" |
| 31 | 21633 | 13 | CAPSCREW,3/8" X 1-3/4",NC |
| 32 | 33774 | 1 | FLAP RETAINER,50" RTRY |
| 33 | 33779 | 1 | PLATE,COVER,KNF HOLE |
| 34 | 33881 | 2 | CAPSCREW,FLG,3/8" X 3/4",NC |
| 35 | ----- | - | SPROCKET *REFER TO SPINDLE PARTS |
| 36 | 6T1029 | 1 | CHAIN,COUPLING (5016) |
| 37 | 6T1033 | 1 | COVER,COUPLING |
| 38 | 21223 | 1 | SPROKET,1-1/4" BORE |
| 39 | 33776 | 1 | MOTOR MOUNT,PLATE,50" RTRY |
| 40 | 06500495 | 1 | HOSE - PRESSURE (RED DECAL STRIP) |
| 41 | TF4852 | 2 | KIT,FLANGE #20 |
| 42 | 06504012 | 1 | MOTOR,(M365-1-1/2" GEAR) |
| 43 | 06500669 | 1 | HOSE - RETURN (BLUE DECAL STRIP) |
| 44 | 6T2290 | 4 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 45 | 33764 | 14 | FLATWASHER,5/8",GR 8,SAE |
| 46 | 21725 | 4 | HEX NUT,1/2" NC |
| 47 | 21990 | 4 | LOCKWASHER,1/2" |
| 48 | TF1124 | 1 | KEY,WOODRUFF |
| 49 | 21992 | 4 | LOCKWASHER,5/8" |
| 50 | 6T2408 | 4 | HEX NUT,5/8",NF |
| 51 | 21733 | 4 | CAPSCREW,1/2" X 2",NC |
| 52 | 6T2259 | 6 | CAPSCREW,5/8" X 1-3/4",NF,GR 8 |

COMMON SABER T4

50IN SABER XB ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| --- | 06741036 | - | ROTARY,SABER XB,ASSY |
| 1 | 06320009 | 1 | ROTARY,SABER XB,DECK |
| 2 | 06410439 | 1 | COVER,MOTOR MNT |
| 3 | 22014 | 2 | FLATWASHER,1/4" |
| 4 | 21530 | 2 | CAPSCREW,1/4" X 1",NC |
| 5 | 33879 | 6 | CAPSCREW,3/4" X 2-1/4",NF,GR 8 |
| 6 | 33880 | 6 | FLATWASHER,3/4",GR 8,SAE |
| 7 | 33984 | 2 | PIN,SHIELD,50" |
| 8 | RD1032 | 2 | PIN,LYNCH,1/4" X 2" |
| 9 | 06500291 | 1 | HOSE,3/8" X 74" |
| 10 | 32810 | 2 | ELBOW,1/2" X 3/8" |
| 11 | 06500292 | 1 | HOSE,3/8" X 85" |

COMMON SABER T4

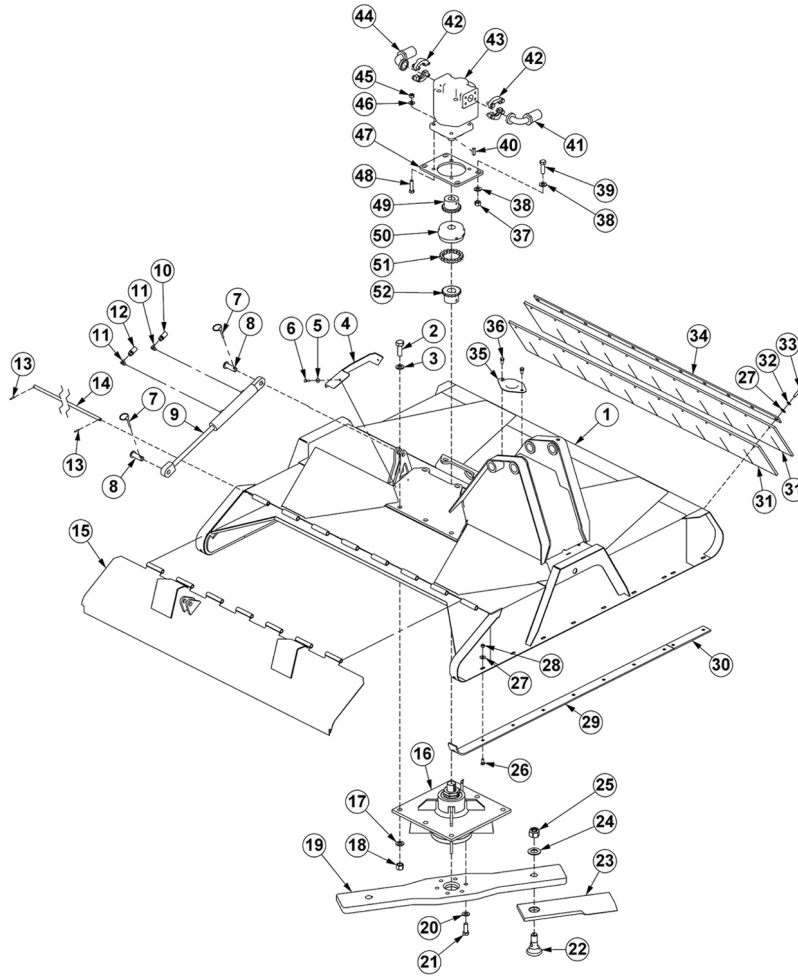
50IN SABER XB ROTARY MOWER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------------|
| 12 | 33785 | 1 | CYL,1-1/2 X 8" |
| 13 | 33778 | 1 | HINGE PIN,50" RTRY |
| 14 | 6T3017 | 2 | ROLLPIN,3/16" X 1" |
| 15 | 33754 | 1 | SHIELD,50" RTRY |
| 16 | 33777 | 2 | SKID SHOE,50" RTRY |
| 17 | 21993 | 6 | LOCKWASHER,3/4",GR 8 |
| 18 | 6T2413 | 6 | HEX NUT,3/4",NF,GR 8 |
| 19 | 6T1023R | 2 | KNIFE MTG NUT,1-1/8",NF,GR8 |
| 20 | 06533002 | 2 | FLATWASHER,1-1/8",GR8 |
| 21 | 06521001 | 2 | KNIFE,TRB 50,5/8" |
| 22 | 06538000 | 2 | KNIFE MTG BOLT,5/8",SHOULDER |
| 23 | 6T2259 | 6 | CAPSCREW,5/8" X 1-3/4",NF,GR8 |
| 24 | 06400388 | 1 | BAR,BLADE,TRB |
| 25 | 6T1024H5 | 1 | SPINDLE |
| 26 | 6T2270 | 16 | PLOW BOLT,3/8" X 1",NC,GR5 |
| 27 | 22016 | 29 | FLATWASHER,3/8" |
| 28 | 21625 | 29 | HEX NUT,3/8",NC |
| 29 | 33775 | 2 | FLAP,50" RTRY |
| 30 | 21988 | 13 | LOCKWASHER,3/8" |
| 31 | 21633 | 13 | CAPSCREW,3/8" X 1-3/4",NC |
| 32 | 33774 | 1 | FLAP RETAINER,50" RTRY |
| 33 | 33779 | 1 | PLATE,COVER,KNF HOLE |
| 34 | 33881 | 2 | CAPSCREW,FLG,3/8" X 3/4",NC |
| 35 | ----- | - | SPROCKET *REFER TO SPINDLE PARTS |
| 36 | 6T1029 | 1 | CHAIN,COUPLING (5016) |
| 37 | 6T1033 | 1 | COVER,COUPLING |
| 38 | 21223 | 1 | SPROKET,1-1/4" BORE |
| 39 | 33776 | 1 | MOTOR MOUNT,PLATE,50" RTRY |
| 40 | 33549 | 1 | HOSE - PRESSURE (RED DECAL STRIP) |
| 41 | TF4852 | 2 | KIT,FLANGE #20 |
| 42 | 06504012 | 1 | MOTOR,(M365-1-1/2" GEAR) |
| 43 | 33548 | 1 | HOSE - RETURN (BLUE DECAL STRIP) |
| 44 | 6T2290 | 4 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 45 | 33764 | 14 | FLATWASHER,5/8",GR 8,SAE |
| 46 | 21725 | 4 | HEX NUT,1/2" NC |
| 47 | 21990 | 4 | LOCKWASHER,1/2" |
| 48 | TF1124 | 1 | KEY,WOODRUFF |
| 49 | 21992 | 4 | LOCKWASHER,5/8" |
| 50 | 6T2408 | 4 | HEX NUT,5/8",NF |
| 51 | 21733 | 4 | CAPSCREW,1/2" X 2",NC |
| 52 | 6T2259 | 6 | CAPSCREW,5/8" X 1-3/4",NF,GR 8 |

COMMON SABER T4

60IN SABER ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------|
| --- | 06741072 | - | ROTARY,SABER 60",ASSY |
| 1 | 06320169 | 1 | ROTARY,SABER 60",DECK |
| 2 | 33879 | 6 | CAPSCREW, 3/4" X 2-1/4",NF GR 8 |
| 3 | 33880 | 6 | FLATWASHER,3/4",GR 8,SAE |
| 4 | 06410439 | 1 | COVER,MOTOR MNT |
| 5 | 22014 | 2 | FLATWASHER,1/4" |
| 6 | 21530 | 2 | CAPSCREW,1/4" X 1",NC |
| 7 | RD1032 | 2 | PIN,LYNCH,1/4" X 2" |
| 8 | 33984 | 2 | PIN,SHIELD |
| 9 | 33785 | 1 | CYL,1-1/2" X 8" |
| 10 | 06500292 | 1 | HOSE,3/8" X 85" |
| --- | 06500389 | 1 | HOSE,3/8" X 88" (SABER MB) |
| 11 | 32810 | 2 | ELBOW,1/2" X 3/8" |
| 12 | 06500384 | 1 | HOSE,3/8" X 94" |
| --- | 06500366 | 1 | HOSE,3/8" X 98" (SABER MB) |
| 13 | 6T3017 | 2 | ROLLPIN,3/16" X 1" |

COMMON SABER T4

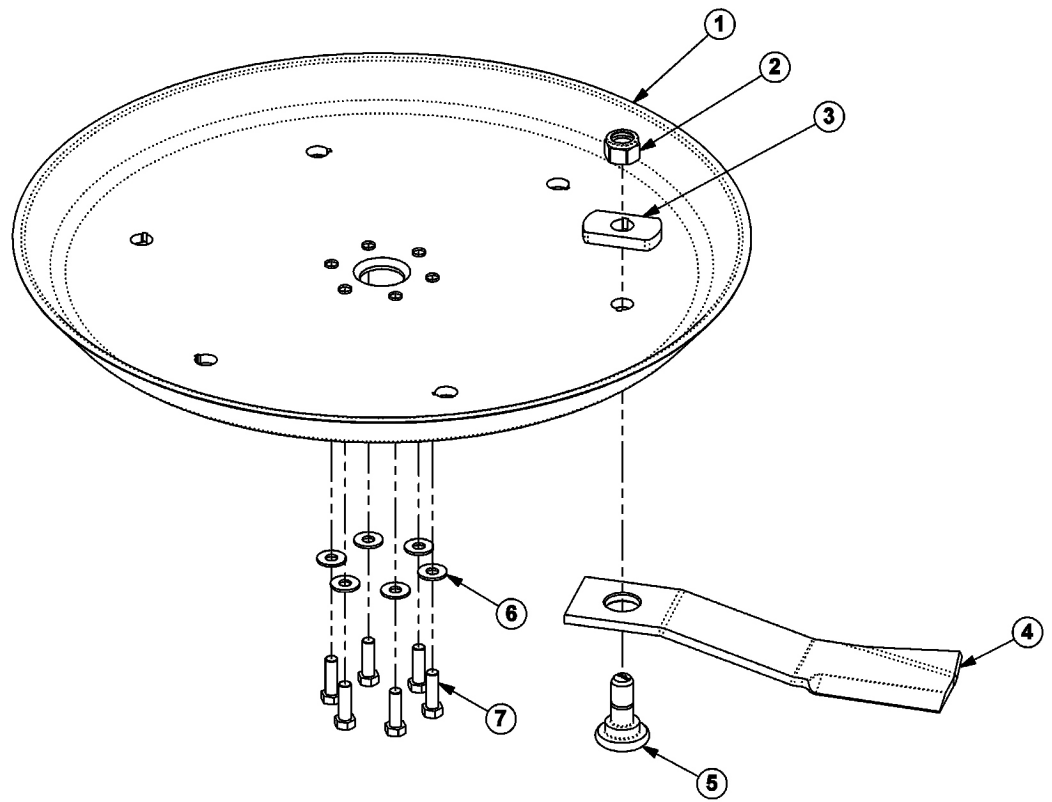
60IN SABER ROTARY MOWER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 14 | 06420139 | 1 | HINGE PIN,60" RTRY |
| 15 | 06320162 | 1 | SHIELD,60" RTRY |
| 16 | 6T1024H5 | 1 | SPINDLE |
| 17 | 21993 | 6 | LOCKWASHER,3/4",GR 8 |
| 18 | 6T2413 | 6 | HEX NUT,3/4",NF,GR 8 |
| 19 | 06400690 | 1 | BAR,BLADE,60" RTRY |
| 20 | 33764 | 6 | FLATWASHER,5/8",GR 8,SAE |
| 21 | 6T2259 | 6 | CAPSCREW,5/8" X 1-3/4",NF,GR 8 |
| 22 | 06538000 | 2 | KNIFE MTG BOLT,5/8" SHOULDER |
| 23 | 06521001 | 2 | KNIFE,TRB50,5/8" |
| 24 | 06533002 | 2 | FLATWASHER,1-1/8",GR 8 |
| 25 | 6T1023R | 2 | KNIFE MTG NUT,1-1/8",NF,GR 8 |
| 26 | 6T2270 | 20 | PLOW BOLT,3/8" X 1",NC,GR5 |
| 27 | 22016 | 31 | FLATWASHER,3/8" |
| 28 | 21625 | 20 | HEX NUT,3/8",NC |
| 29 | 33777 | 2 | SKID SHOE,50" RTRY |
| 30 | 06401245 | 2 | SKID SHOE,60" RTRY |
| 31 | 06520238 | 2 | FLAP,DEFLECTOR,60" RTRY |
| 32 | 21988 | 11 | LOCKWASHER,3/8" |
| 33 | 21633 | 11 | CAPSCREW,3/8" X 1-3/4",NC |
| 34 | 6T0823 | 1 | FLAP RETAINER,60" RTRY |
| 35 | 33779 | 1 | PLATE,COVER,KNF HOLE |
| 36 | 33881 | 2 | CAPSCREW,FLG,3/8" X 3/4",NC |
| 37 | 6T2408 | 4 | HEX NUT,5/8",NF |
| 38 | 33764 | 8 | FLATWASHER,5/8",GR 8,SAE |
| 39 | 6T2290 | 4 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 40 | TF1124 | 1 | KEY,WOODRUFF |
| 41 | 33549 | 1 | HOSE - PRESSURE (RED DECAL STRIP) |
| --- | 33548 | 1 | HOSE - PRESSURE (SABER MB) (RED DECAL STRIP) |
| 42 | TF4852 | 2 | KIT,FLANGE #20 |
| 43 | 06504011 | 1 | MOTOR,(M365-2-1/4" GEAR) |
| 44 | 33548 | 1 | HOSE - RETURN (BLUE DECAL STRIP) |
| --- | 06500495 | 1 | HOSE - RETURN (SABER MB) (BLUE DECAL STRIP) |
| 45 | 21727 | 4 | NYLOCK NUT,1/2",NC |
| 46 | 06533004 | 4 | FLATWASHER,1/2",GR 8,SAE |
| 47 | 33776 | 1 | MOTOR MOUNT,PLATE,50" RTRY |
| 48 | 21733 | 4 | CAPSCREW,1/2" X 2",NC |
| 49 | 21223 | 1 | SPROCKET,1-1/4" BORE |
| 50 | 6T1033 | 1 | COVER,COUPLING |
| 51 | 6T1029 | 1 | CHAIN,COUPLING (5016) |
| 52 | ----- | - | SPROCKET *REFER TO SPINDLE PARTS |

COMMON SABER T4

60IN ROTARY KNIFE AND DISH OPTION



60IN ROTARY KNIFE AND DISH OPTION

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 34876 | 1 | BLADE MOUNTING DISK |
| 2 | 6T1023R | 2 | NYLOCK NUT,1-1/8" |
| 3 | 34878 | 2 | SPACER |
| 4 | 34684 | 2 | GRASS KNIFE |
| 5 | 34497 | 2 | KNIFE MOUNTING BOLT |
| 6 | 33764 | 6 | FLATWASHER |
| 7 | 6T2259 | 6 | CAPSCREW |
| --- | 27167 | 1 | BOLT KIT (INCLUDES ITEMS 6 & 7) |
| ---- | 6T1825 | 1 | LOCTITE - USED ON ALL DISK MOUNTING BOLTS |
| --- | 33893 | 1 | KNIFE KIT (INCLUDES ITEMS 2, 4 & 5) |

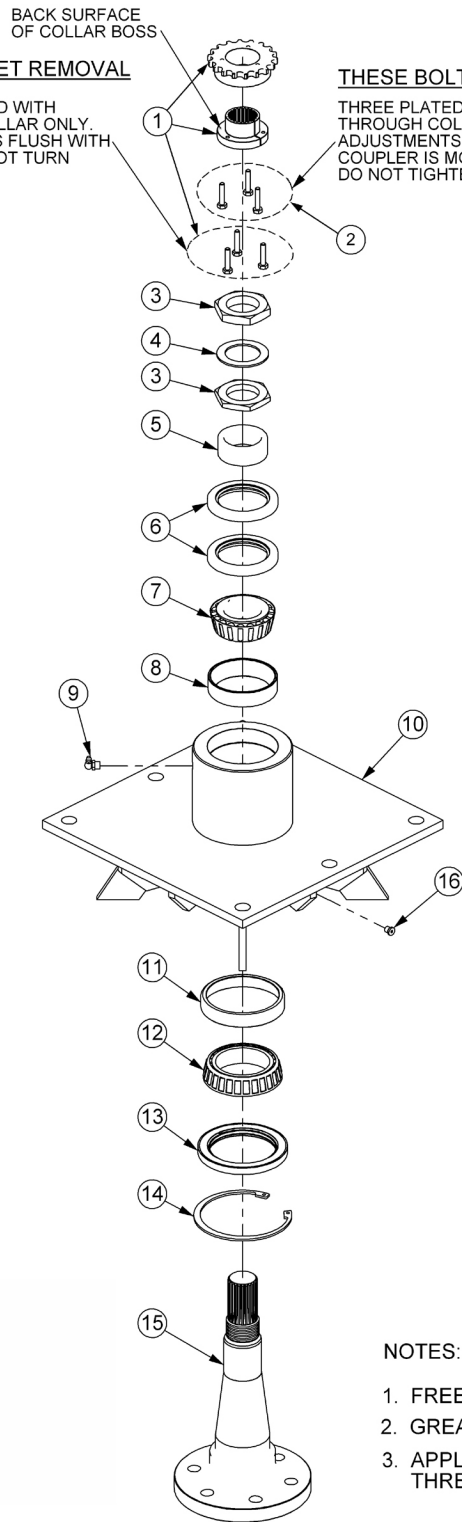
SABER SPINDLE ASSEMBLY

THESE BOLTS ARE FOR SPROCKET REMOVAL

THREE BLACK COLORED BOLTS SUPPLIED WITH TAPERLOCK BEARING. THREAD INTO COLLAR ONLY. TURN BOLTS INTO COLLAR UNTIL BOLT IS FLUSH WITH BACK SURFACE OF COLLAR BOSS. DO NOT TURN IN ANY FURTHER OR TIGHTEN.

THESE BOLTS ARE FOR ASSEMBLY

THREE PLATED BOLTS. THESE BOLTS SLIP THROUGH COLLAR AND THREAD INTO SPROCKET. ADJUSTMENTS ARE REQUIRED WHEN CHAIN COUPLER IS MOUNTED TO SPINDLE ASSEMBLY. DO NOT TIGHTEN BOLTS UNTIL THAT TIME.



NOTES:

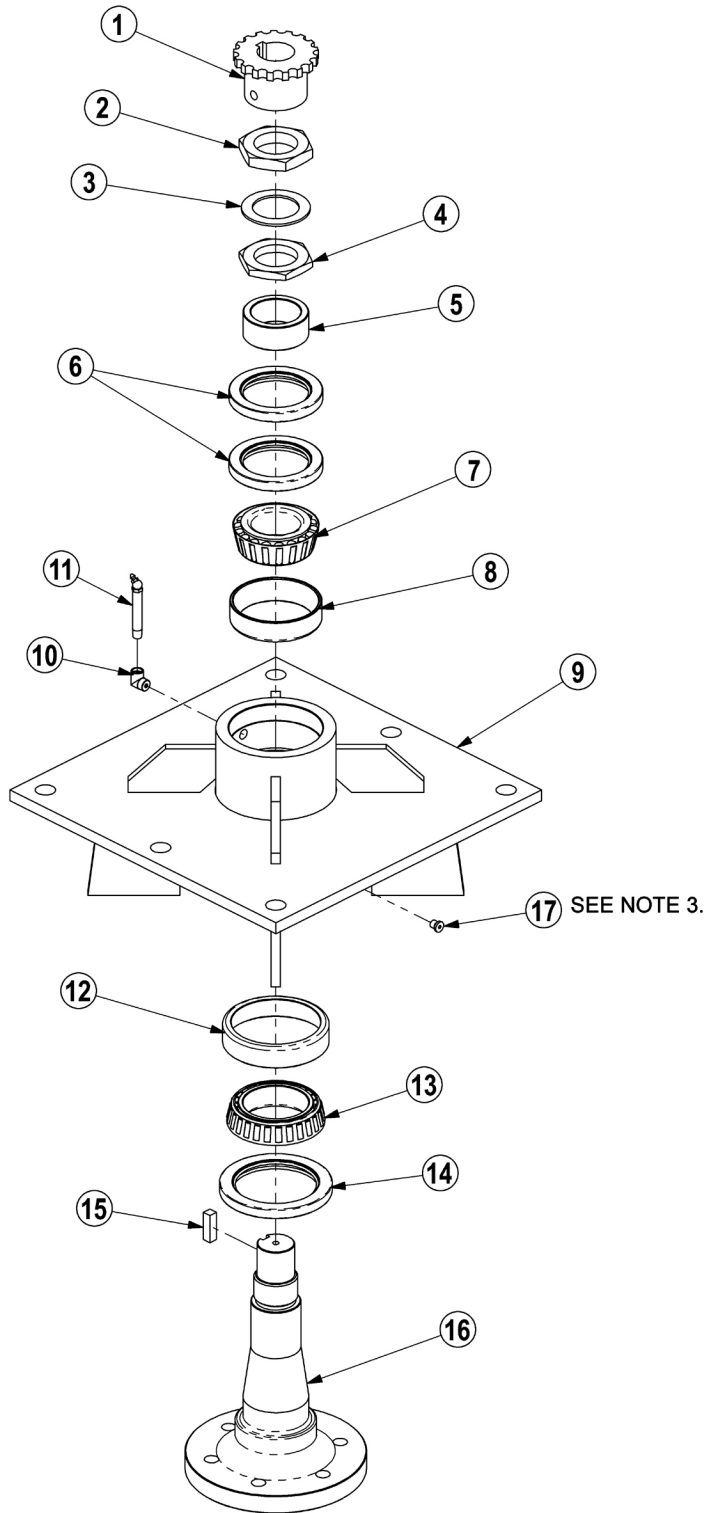
1. FREEPLAY: .001" - .003"
2. GREASE: FILL WITH MOBILITH SHC 220.
3. APPLY LOCKTIGHT "271" TO O-RING PLUG THREADS.

SABER SPINDLE ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------|
| --- | 33219 | - | SPINDLE ASSY,ROTARY |
| 1 | 34480 | 1 | TAPERLOCK SPROCKET |
| 2 | 21530 | 3 | CAPSCREW,1/4" X 1",NC |
| 3 | 6T1015 | 2 | BEARING LOCK NUT,THIN |
| 4 | 22596 | 1 | JAMWASHER |
| 5 | 6T1014 | 1 | BEARING ADJUST SLEEVE |
| 6 | 6T1011 | 2 | UPPER SEAL,SMALL |
| 7 | 6T1012 | 1 | BEARING CONE,SMALL |
| 8 | 6T1013 | 1 | BEARING CUP,SMALL |
| 9 | 6T3210 | 1 | GREASE ZERK |
| 10 | 32953 | 1 | SPINDLE HOUSING,SABER |
| 11 | 33200 | 1 | BEARING CUP,LARGE |
| 12 | 33199 | 1 | BEARING CONE,LARGE |
| 13 | 33201 | 1 | LOWER SEAL,LARGE |
| 14 | 33202 | 1 | SNAP RING |
| 15 | 33186 | 1 | SPINDLE,SABER |
| 16 | 06503064 | 1 | O-RING PLUG,1/8" |

SABER XB & 60IN SPINDLE ASSY



NOTES:

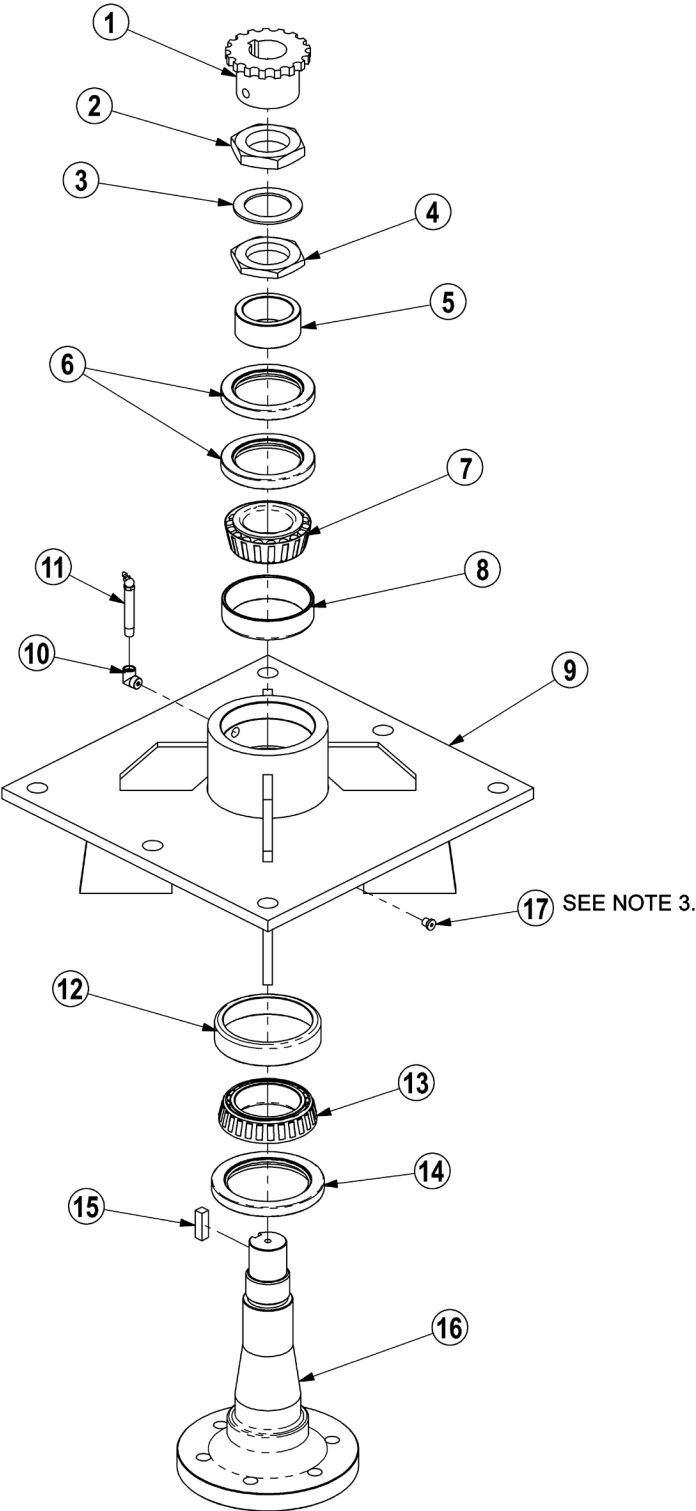
1. FREEPLAY: .001" - .003"
2. GREASE: FILL WITH MOBILITH SHC 220.
3. APPLY LOCTITE "271" TO O-RING PLUG THRDS.

SABER XB & 60IN SPINDLE ASSY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| --- | 6T1024H5 | - | SPINDLE ASSEMBLY |
| 1 | 6T1031 | 1 | SPROCKET |
| 2 | 6T1016 | 1 | BEARING LOCK NUT,THICK |
| 3 | 22596 | 1 | JAM WASHER |
| 4 | 6T1015 | 1 | BEARING ADJUSTMENT NUT,THIN |
| 5 | 6T1014 | 1 | BEARING ADJUSTMENT SLEEVE |
| 6 | 6T1011 | 1 | UPPER SEAL (SET OF 2) |
| 7 | 6T1012 | 1 | BEARING CONE |
| 8 | 6T1013 | 1 | BEARING CUP |
| 9 | 6T1010H | 1 | SPINDLE HOUSING |
| 10 | 30570 | 1 | FITTING,STREET ELBOW |
| 11 | 33990 | 1 | GREASE ZERK |
| 12 | 6T1013H | 1 | BEARING CUP |
| 13 | 6T1012H | 1 | BEARING CONE |
| 14 | 6T1011H | 1 | LOWER SEAL |
| 15 | 6T1019 | 1 | SPINDLE KEY |
| 16 | PT1018H-5 | 1 | SPINDLE |
| 17 | 06503064 | 1 | O-RING PLUG,1/8" |
| --- | 32572 | - | SPINDLE REBUILD KIT (ITEMS 2 THRU 8 & 12 THRU 15) |

ROTARY MOWER SPINDLE ASSEMBLY



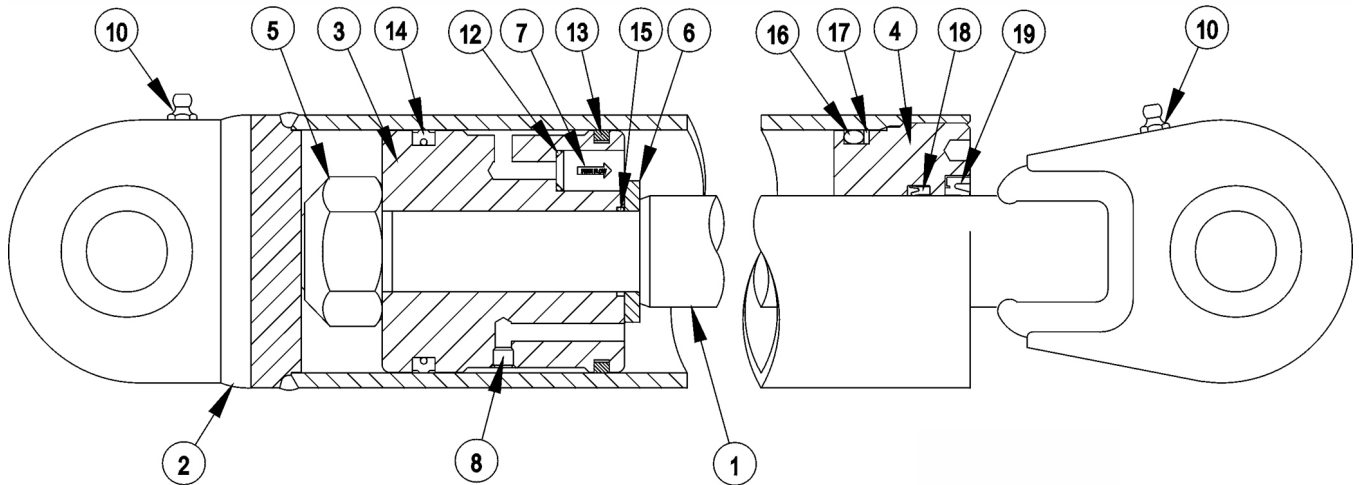
- NOTES:
1. FREEPLAY: .001" - .003"
 2. GREASE: FILL WITH MOBILITH SHC 220.
 3. APPLY LOCTITE "271" TO O-RING PLUG THRDS.

ROTARY MOWER SPINDLE ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|-----------|------|--|
| ----- | 6T1024H5 | - | SPINDLE ASSEMBLY COMPLETE |
| 1 | 6T1031 | 1 | SPROCKET |
| 2 | 6T1016 | 1 | BEARING LOCK NUT - THICK |
| 3 | 22596 | 1 | JAM WASHER |
| 4 | 6T1015 | 1 | BEARING ADJUSTMENT NUT - THIN |
| 5 | 6T1014 | 1 | BEARING ADJUSTMENT SLEEVE |
| 6 | 6T1011 | 1 | UPPER SEAL - SET OF 2 |
| 7 | 6T1012 | 1 | BEARING CONE |
| 8 | 6T1013 | 1 | BEARING CUP |
| 9 | 6T1010H | 1 | SPINDLE HOUSING |
| 10 | 30570 | 1 | FITTING STREET ELBOW |
| 11 | 33990 | 1 | GREASE ZERK |
| 12 | 6T1013H | 1 | BEARING CUP |
| 13 | 6T1012H | 1 | BEARING CONE |
| 14 | 6T1011H | 1 | LOWER SEAL |
| 15 | 6T1019 | 1 | SPINDLE KEY |
| 16 | PT1018H-5 | 1 | SPINDLE |
| 17 | 06503064 | 1 | O-RING PLUG, 1/8" |
| ----- | 31771 | - | SPINDLE REBUILD KIT (INCLUDES ITEMS 2 - 8 AND 12 - 15) |

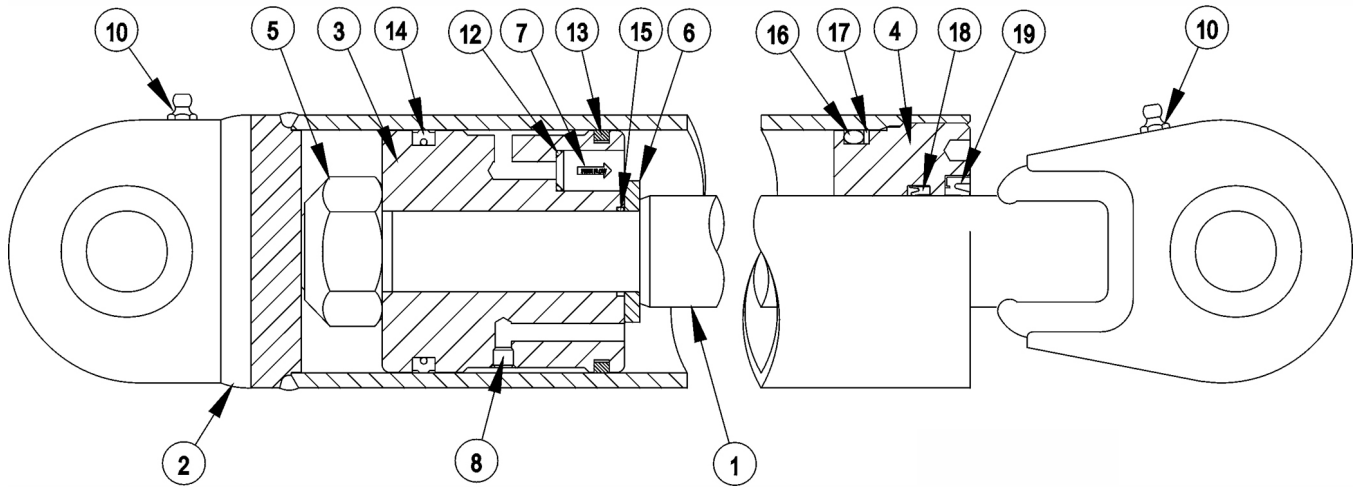
3IN X 17-1/2IN WELDED CYLINDER BREAKDOWN



WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| --- | 33705 | - | CYLINDER,WELDED,3" X 17-1/2" |
| 1 | 34571 | 1 | PISTON ROD ASSY |
| 2 | 34572 | 1 | BUTT & TUBE ASSY |
| 3 | 34573 | 1 | PISTON |
| 4 | 34574 | 1 | GLAND |
| 5 | 34575 | 1 | LOCK NUT,1"-14 UNS (TORQUE TO 315 FT.LB.) |
| 6 | 34576 | 1 | SPACER |
| 7 | 34577 | 1 | CHECK VALVE,KEPNER |
| 8 | 34578 | 1 | ORIFICE |
| 9 | 33761 | 1 | SEAL KIT,PACKING (ITEMS 12 THRU 19) |
| 10 | ----- | 2 | GREASE ZERK |
| 12 | ----- | 1 | O - RING |
| 13 | ----- | 1 | CAST IRON PISTON RING |
| 14 | ----- | 1 | CROWN SEAL |
| 15 | ----- | 1 | O - RING |
| 16 | ----- | 1 | O - RING |
| 17 | ----- | 1 | BACK - UP WASHER |
| 18 | ----- | 1 | U - CUP |
| 19 | ----- | 1 | WIPER |
| 20 | 34334 | - | SPHERICAL BEARING (NOT SHOWN) |

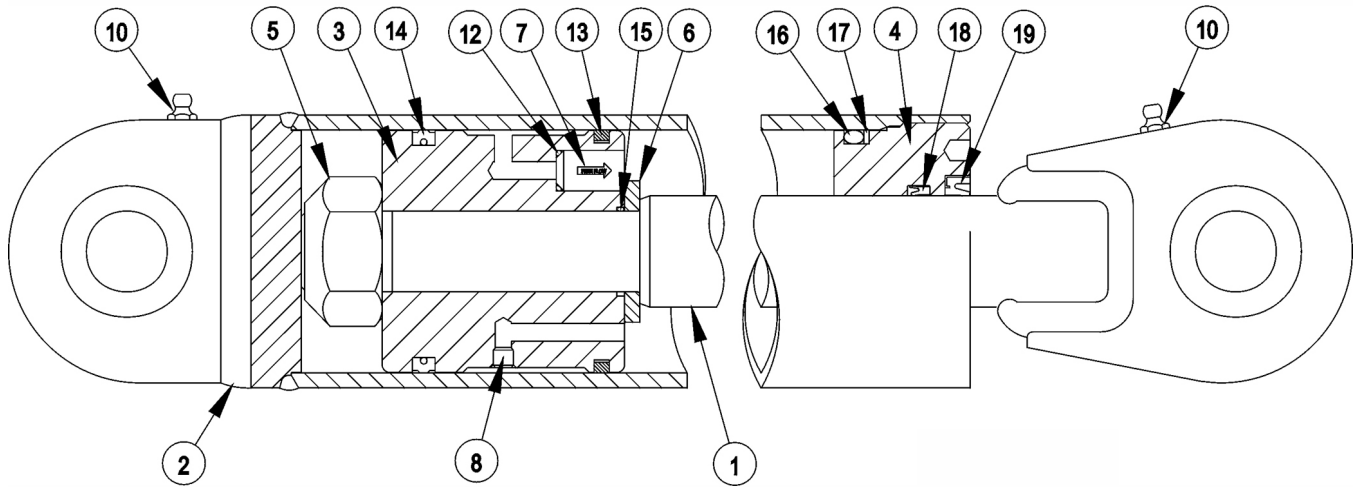
4IN X 15IN WELDED CYLINDER BREAKDOWN



WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| --- | 32365 | - | CYLINDER,WELDED,4" X 15" |
| 1 | 34580 | 1 | PISTON ROD ASSY |
| 2 | 34581 | 1 | BUTT & TUBE ASSY |
| 3 | 34582 | 1 | PISTON |
| 4 | 34583 | 1 | GLAND |
| 5 | 34584 | 1 | LOCK NUT,1-1/4"-12 UNF (TORQUE TO 510 FT.LB.) |
| 9 | 33757 | 1 | SEAL KIT,PACKING (ITEMS 12 THRU 19) |
| 10 | ----- | 2 | GREASE ZERK |
| 12 | ----- | 1 | O - RING |
| 13 | ----- | 1 | CAST IRON PISTON RING |
| 14 | ----- | 1 | CROWN SEAL |
| 15 | ----- | 1 | O - RING |
| 16 | ----- | 1 | O - RING |
| 17 | ----- | 1 | BACK - UP WASHER |
| 18 | ----- | 1 | U - CUP |
| 19 | ----- | 1 | WIPER |
| 20 | 34335 | - | SPHERICAL BEARING (NOT SHOWN) |

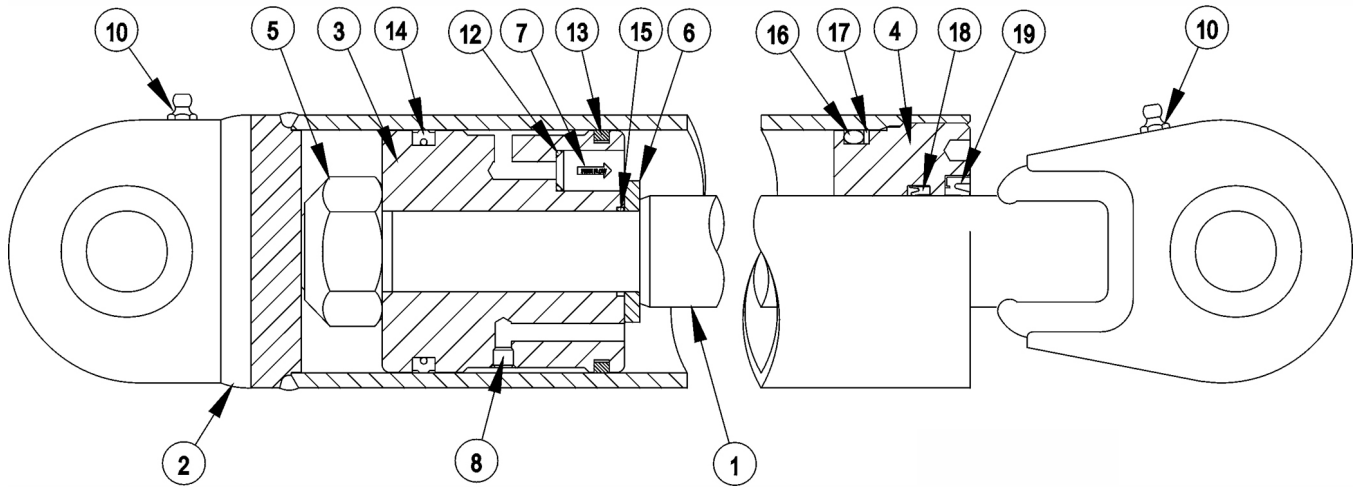
4-1/2IN X 26-1/2IN WELDED CYLINDER BREAKDOWN



WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| --- | 32364 | - | CYLINDER,WELDED,4-1/2" X 26-1/2" |
| 1 | 34586 | 1 | PISTON ROD ASSY |
| 2 | 34587 | 1 | BUTT & TUBE ASSY |
| 3 | 34588 | 1 | PISTON |
| 4 | 34589 | 1 | GLAND |
| 5 | 34590 | 1 | LOCK NUT,1-1/4"-12 UNF (TORQUE TO 510 FT.LB.) |
| 9 | 33758 | 1 | SEAL KIT,PACKING (ITEMS 12 THRU 19) |
| 10 | ----- | 2 | GREASE ZERK |
| 12 | ----- | 1 | O - RING |
| 13 | ----- | 1 | CAST IRON PISTON RING |
| 14 | ----- | 1 | CROWN SEAL |
| 15 | ----- | 1 | O - RING |
| 16 | ----- | 1 | O - RING |
| 17 | ----- | 1 | BACK - UP WASHER |
| 18 | ----- | 1 | U - CUP |
| 19 | ----- | 1 | WIPER |
| 20 | 34335 | - | SPHERICAL BEARING (NOT SHOWN) |

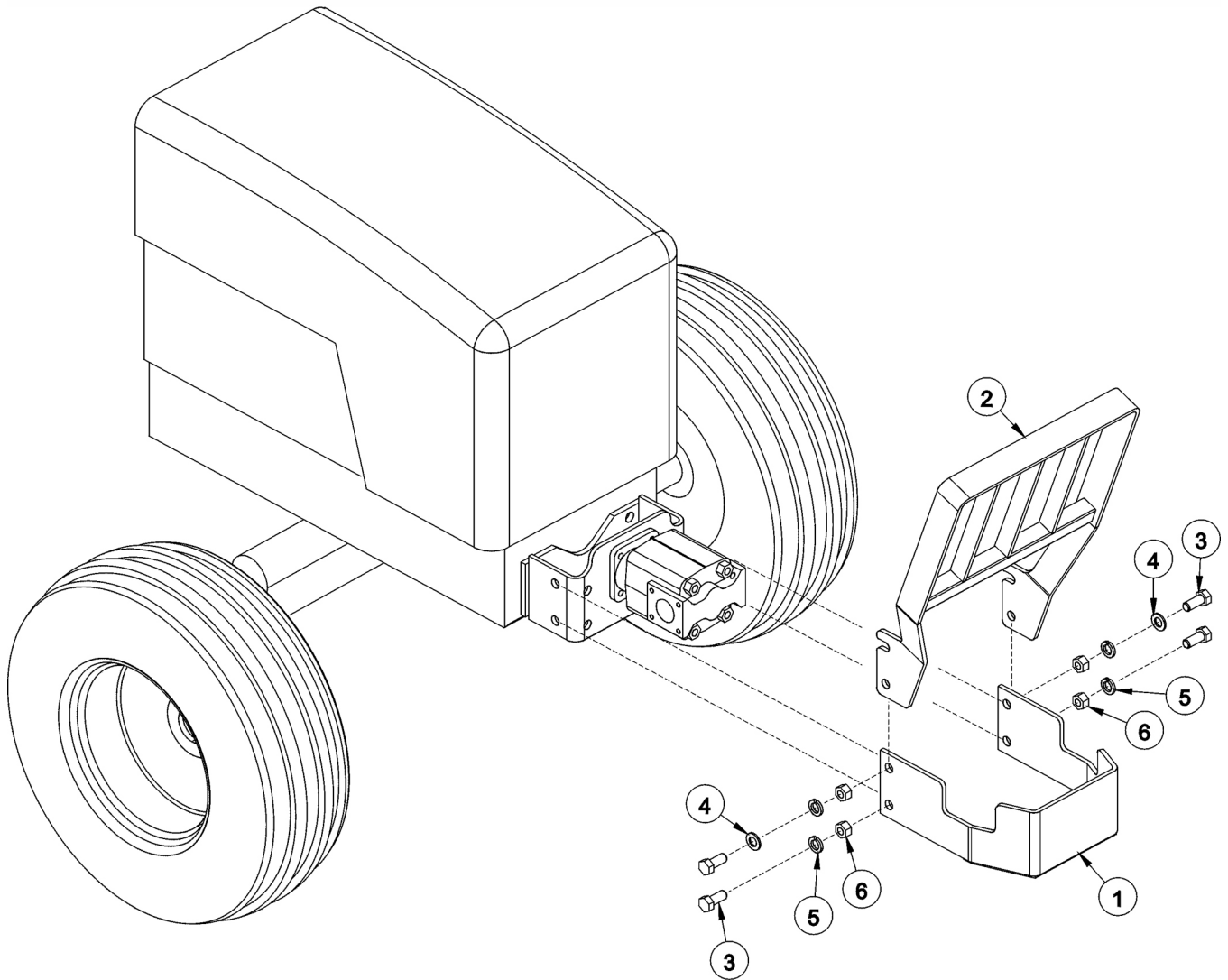
5IN X 25IN WELDED CYLINDER BREAKDOWN



WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

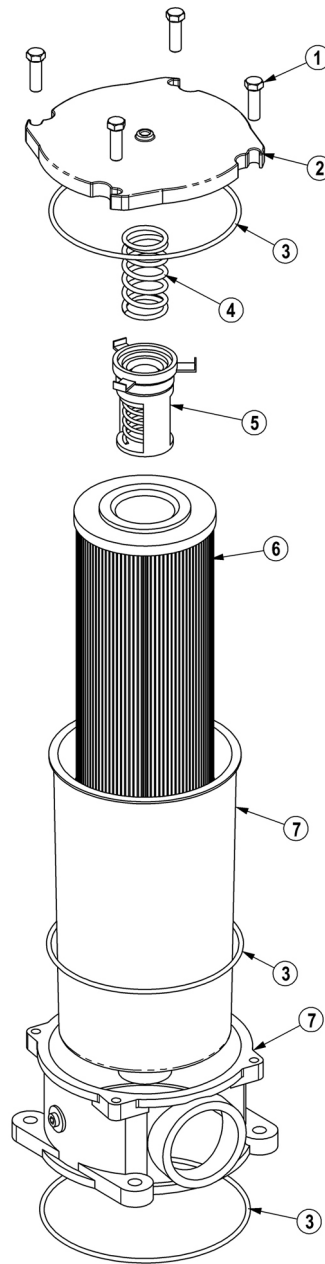
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| --- | 32363 | - | CYLINDER,WELDED,5" X 25" |
| 1 | 34592 | 1 | PISTON ROD ASSY |
| 2 | 34593 | 1 | BUTT & TUBE ASSY |
| 3 | 34594 | 1 | PISTON |
| 4 | 34595 | 1 | GLAND |
| 5 | 34596 | 1 | LOCK NUT,1-3/4"-12 UNF (TORQUE TO 1800 - 2000 FT.LB.) |
| 7 | 34597 | 1 | CHECK VALVE,KEPNER |
| 8 | 34598 | 1 | ORIFICE |
| 9 | 33759 | 1 | SEAL KIT,PACKING (ITEMS 12 THRU 19) |
| 10 | ----- | 2 | GREASE ZERK |
| 12 | ----- | 1 | O - RING |
| 13 | ----- | 1 | CAST IRON PISTON RING |
| 14 | ----- | 1 | CROWN SEAL |
| 15 | ----- | 1 | O - RING |
| 16 | ----- | 1 | O - RING |
| 17 | ----- | 1 | BACK - UP WASHER |
| 18 | ----- | 1 | U - CUP |
| 19 | ----- | 1 | WIPER |
| 20 | 34335 | - | SPHERICAL BEARING (NOT SHOWN) |

PUMP AND GRILL GUARD OPTIONS



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 32430 | 1 | UNIVERSAL PUMP GUARD |
| 2 | 32737 | 1 | UNIVERSAL GRILL GUARD |
| 3 | 21833 | 4 | CAPSCREW,3/4" X 2-1/4",NC |
| 4 | 22021 | 2 | FLATWASHER,3/4" |
| 5 | 21993 | 4 | LOCKWASHER,3/4" |
| 6 | 21825 | 4 | HEX NUT,3/4",NC |

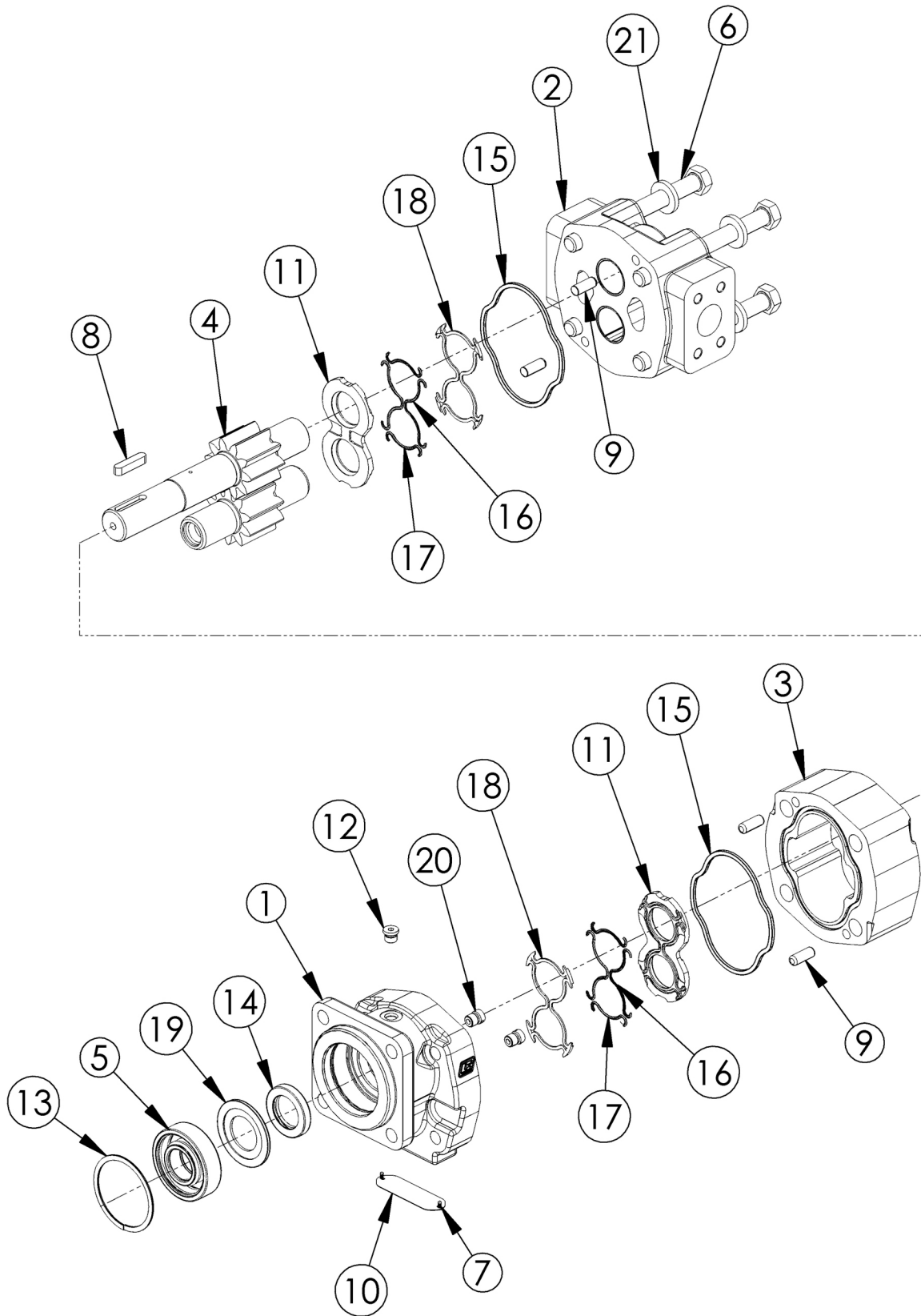
RESERVOIR TANK FILTER ASSEMBLY



| 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 SABER T4

50IN AND 63IN FLAIL MOTOR BREAKDOWN

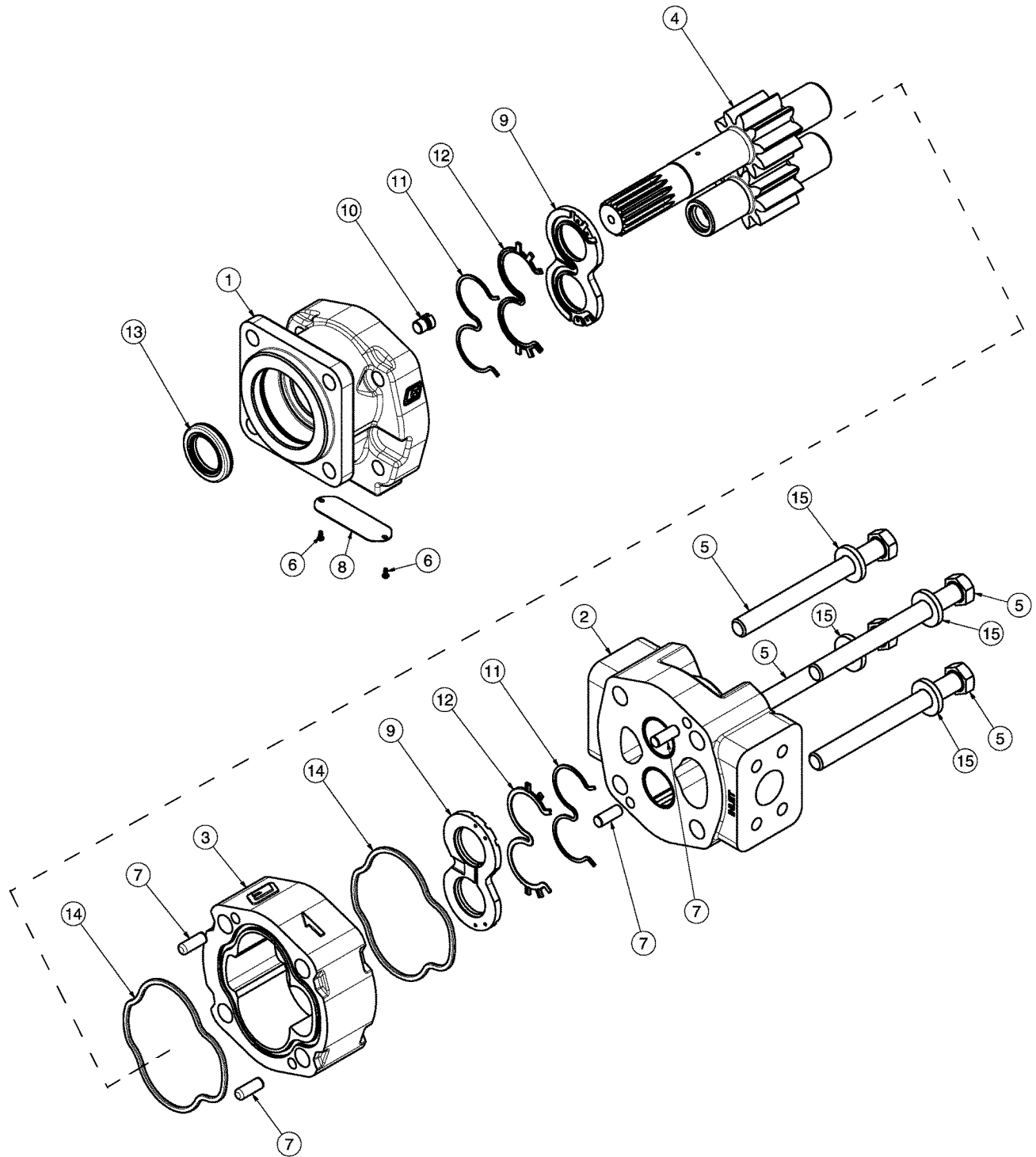


50IN AND 63IN FLAIL MOTOR BREAKDOWN

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|--|
| ----- | 06504132 | - | MOTOR ASSEMBLY 350 |
| 1 | 06504039 | 1 | SHAFT END COVER |
| 2 | 06504040 | 1 | PORT END COVER |
| 3 | 06504041 | 1 | GEAR HOUSING |
| 4 | 06504042 | 1 | MATCHED GEAR SET |
| 5 | TF4402 | 1 | BALL BEARING |
| 6 | 06504043 | 4 | CAP SCREW |
| 7 | 06504044 | 2 | SET SCREW |
| 8 | 06504028 | 1 | KEY |
| 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 |
| 15 | TF4410 | 2 | GASKET SEAL |
| 16 | 06504046 | 4 | SIDE SEAL |
| 17 | 06504047 | 4 | END SEAL |
| 18 | TF4407 | 2 | BACK-UP SEAL |
| 19 | 06504048 | 1 | SEAL RETAINER |
| 20 | 6T5809 | 2 | CHECK ASSEMBLY |
| 21 | 02961917 | 4 | WASHER |
| ----- | 06504116 | - | SEAL KIT (INCLUDES 14, 15, 16, 17, AND 18) |

FRONT HYDRAULIC PUMP

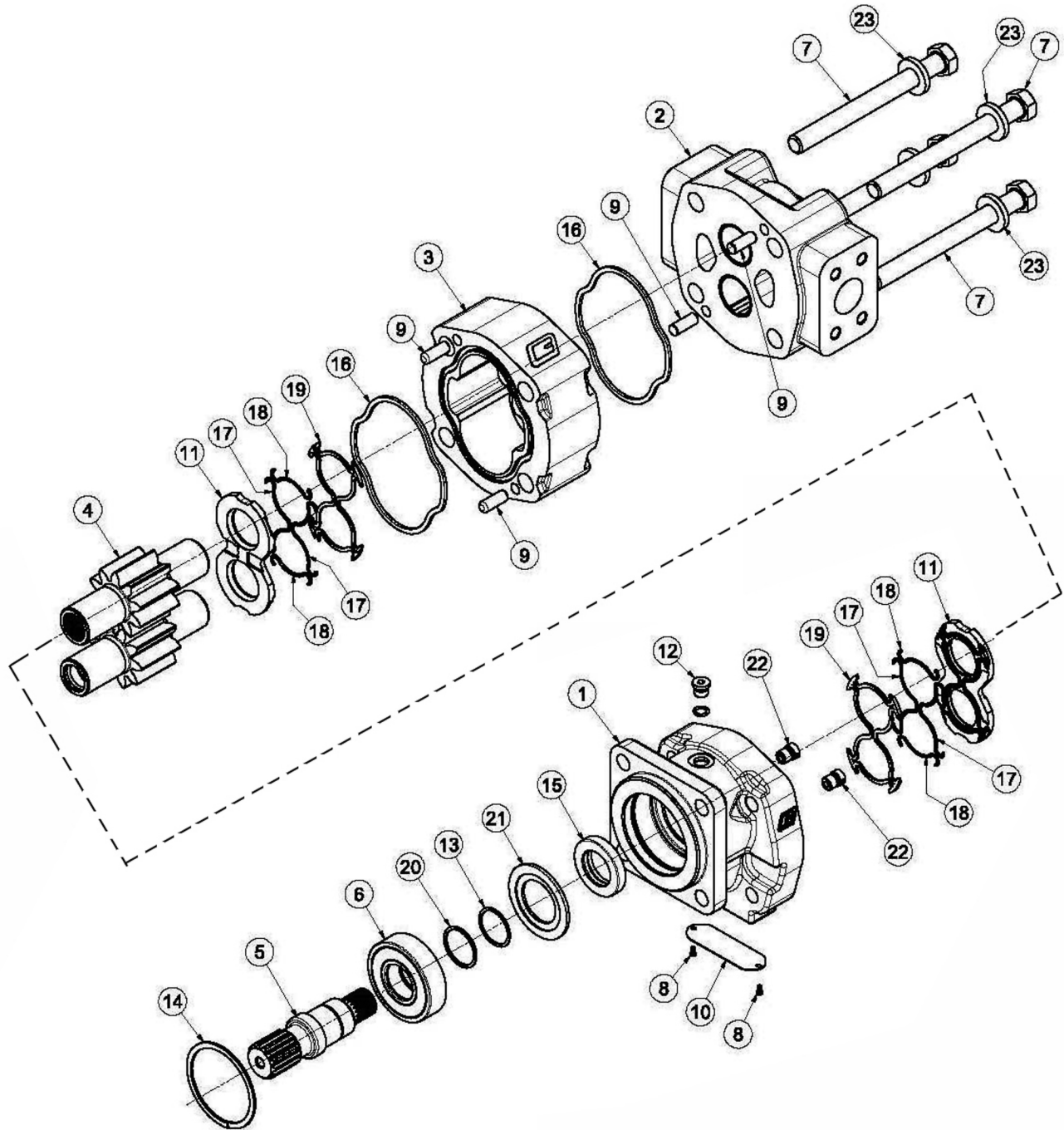


FRONT HYDRAULIC PUMP

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------------------|
| --- | 23152 | 1 | PUMP ASSEMBLY,1-3/4",COMPLETE |
| 1 | 22766 | 1 | SHAFT END COVER |
| 2 | 22779 | 1 | PORT END COVER |
| 3 | 22774 | 1 | GEAR HOUSING,1-3/4" |
| 4 | 22771 | 1 | GEAR SET |
| 5 | 23824 | 4 | CAPSCREW |
| 6 | 06504078 | 2 | SCREW,DRIVE |
| 7 | 22773 | 4 | DOWEL PINS |
| 8 | 06504077 | 1 | NAMEPLATE |
| 9 | 22770 | 2 | THRUST PLATE |
| 10 | 22767 | 1 | PLUG |
| 11 | 06504075 | 2 | SEAL,BK-UP |
| 12 | 06504074 | 2 | SEAL,CHAN |
| 13 | 22765 | 1 | SEAL,LIP |
| 14 | 06504076 | 2 | SEAL,SQ-R |
| 15 | 02961917 | 4 | WASHER |
| --- | 24150 | 1 | SEAL KIT (INCLUDES 11, 12, 13 AND 14) |

50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN

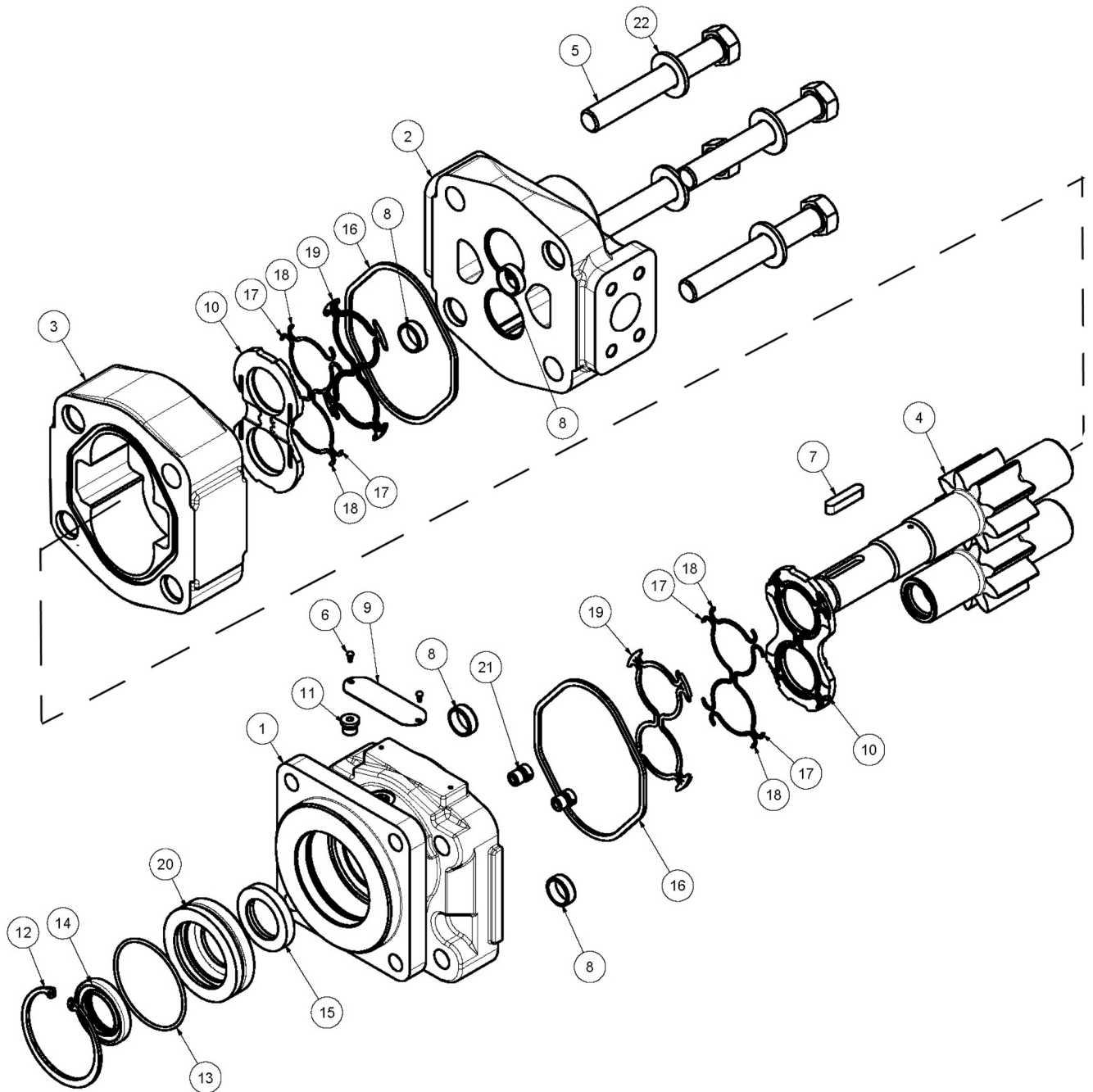


50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| --- | 06504003 | - | MOTOR ASSEMBLY,DIRECT DRIVE |
| 1 | 06504039 | 1 | HOUSING,SEC |
| 2 | 06504040 | 1 | HOUSING,PEC |
| 3 | 06504041 | 1 | HOUSING,GEAR |
| 4 | 06504117 | 1 | GEAR,SET |
| 5 | 06504118 | 1 | SHAFT,CONTINENTAL |
| 6 | TF4402 | 1 | BRG,BALL |
| 7 | 06504043 | 4 | CAPSCREW |
| 8 | 06504044 | 2 | SCREW,DRIVE |
| 9 | 06504045 | 4 | PIN,DOWEL |
| 10 | 06504077 | 1 | NAME PLATE |
| 11 | 763759 | 2 | THRPL |
| 12 | 02961940 | 1 | PLUG,ODT |
| 13 | 06504119 | 1 | RING,SNAP |
| 14 | TF4401 | 1 | RING,SNAP |
| 15 | 06504120 | 1 | SEAL,LIP |
| 16 | TF4410 | 2 | SEAL,SQ-R |
| 17 | 06504046 | 4 | SEAL,SIDE |
| 18 | 06504047 | 4 | SEAL,END |
| 19 | TF4407 | 2 | SEAL,BACK-UP |
| 20 | 06504121 | 1 | SPACER,BRG |
| 21 | 06504122 | 1 | RTNR,SEAL |
| 22 | 6T5809 | 2 | CHECK ASSY |
| 23 | 02961917 | 4 | WASHER |
| --- | 06504116 | 1 | SEAL KIT - ITEMS 14 THRU 19 (NOT SHOWN) |

50IN AND 60IN ROTARY MOTOR BREAKDOWN

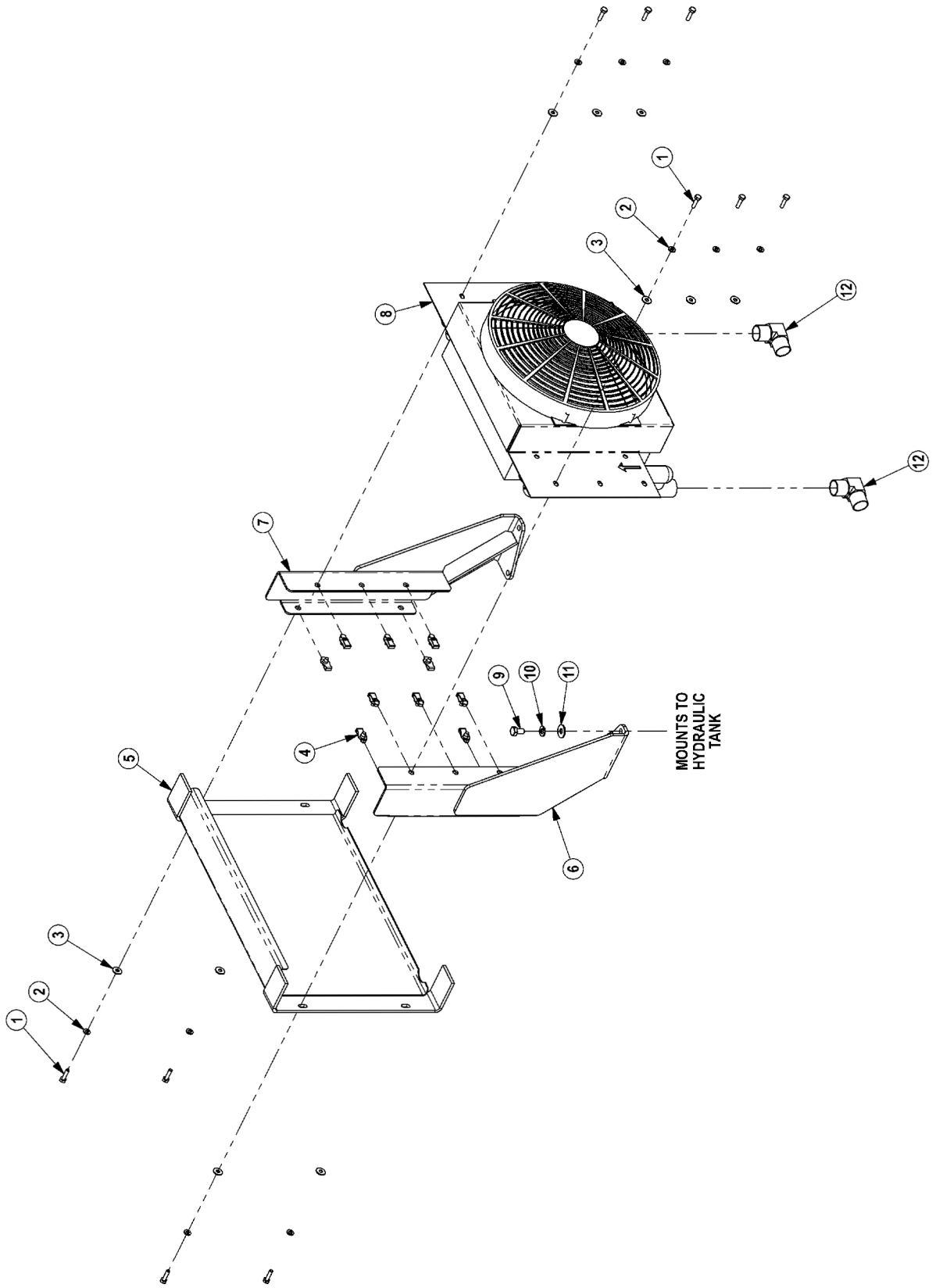


50IN AND 60IN ROTARY MOTOR BREAKDOWN

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|----------------------|
| | 06504011 | - | MOTOR ASSEMBLY,TRB60 |
| | 06504012 | - | MOTOR ASSEMBLY,TRB50 |
| 1 | 22790 | 1 | HOUSING, SEC |
| 2 | 06504088 | 1 | HOUSING, PEC |
| 3 | 06504062 | 1 | HOUSING, GEAR,TRB60 |
| ----- | 06504089 | - | HOUSING, GEAR,TRB50 |
| 4 | 06504090 | 1 | SET, GEAR SHAFT |
| 5 | 06504104 | 4 | CAP SCREW,TRB60 |
| ----- | 06504091 | - | CAP SCREW,TRB50 |
| 6 | 06504078 | 2 | SCREW, DRIVE |
| 7 | 06504092 | 1 | KEY |
| 8 | 06504093 | 4 | PIN, DOWEL |
| 9 | 06504094 | 1 | NAME PLATE |
| 10 | 06504095 | 2 | THRPL |
| 11 | 2961940 | 1 | PLUG, ODT |
| 12 | 2962200 | 1 | RING, SNAP |
| 13 | 06504096 | 1 | O RING |
| 14 | 6T5101 | 1 | SEAL, LIP |
| 15 | 06504097 | 1 | SEAL, LIP |
| 16 | 22797 | 2 | SEAL, SQ-R |
| 17 | 06504098 | 4 | SEAL, SIDE CHAN |
| 18 | 06504099 | 4 | SEAL, END CHAN |
| 19 | 06504100 | 2 | SEAL, BK-UP |
| 20 | 06504101 | 1 | RTNR, SEAL |
| 21 | 6T5809 | 2 | CHECK ASS'Y |
| 22 | 06504102 | 4 | WASHER |
| ----- | 06504103 | - | SEAL KIT |

COOLER ASSEMBLY

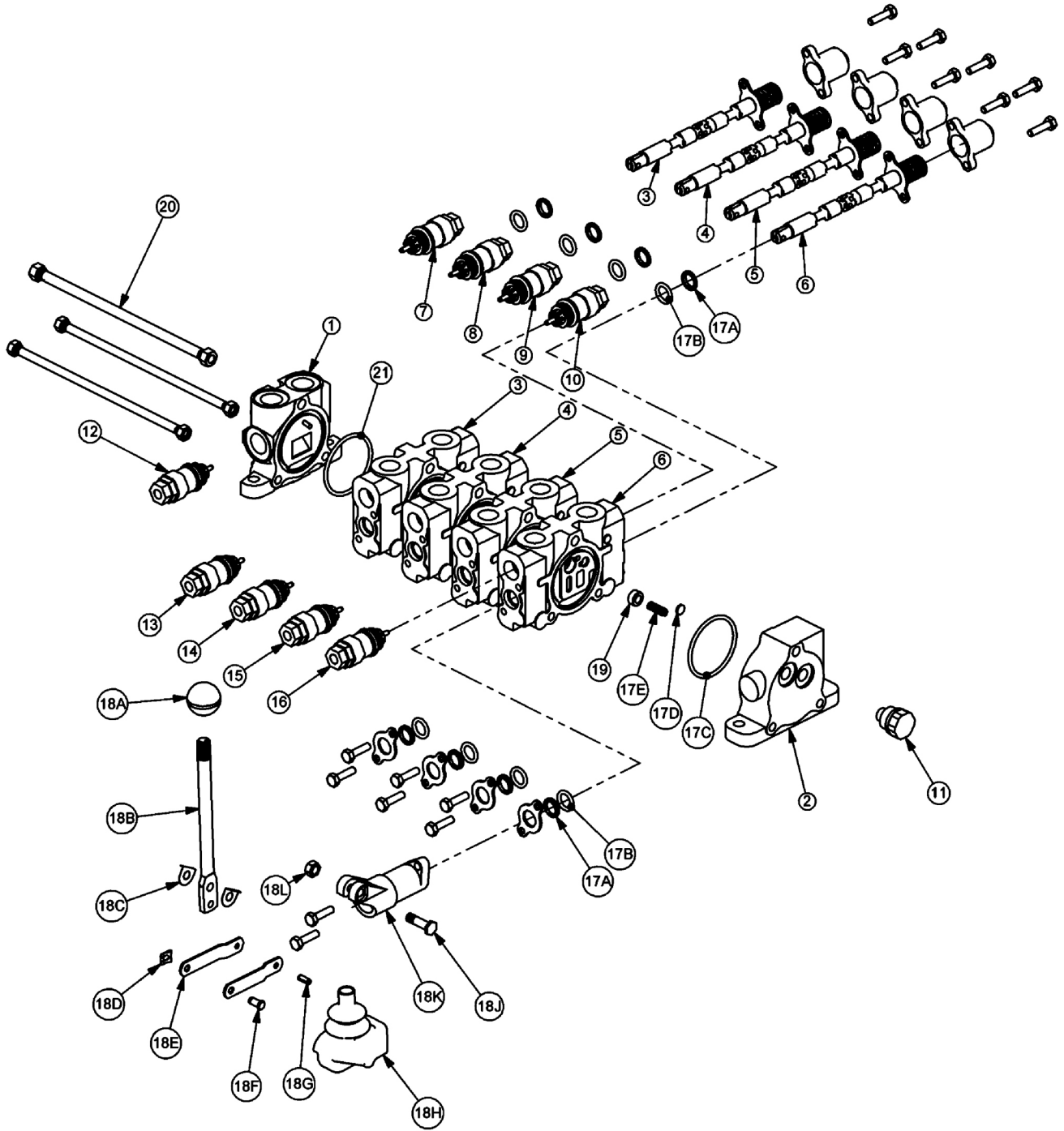


COOLER ASSEMBLY

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 |

CABLE (MANUAL) LIFT VALVE, 4 SPOOL - 06502104



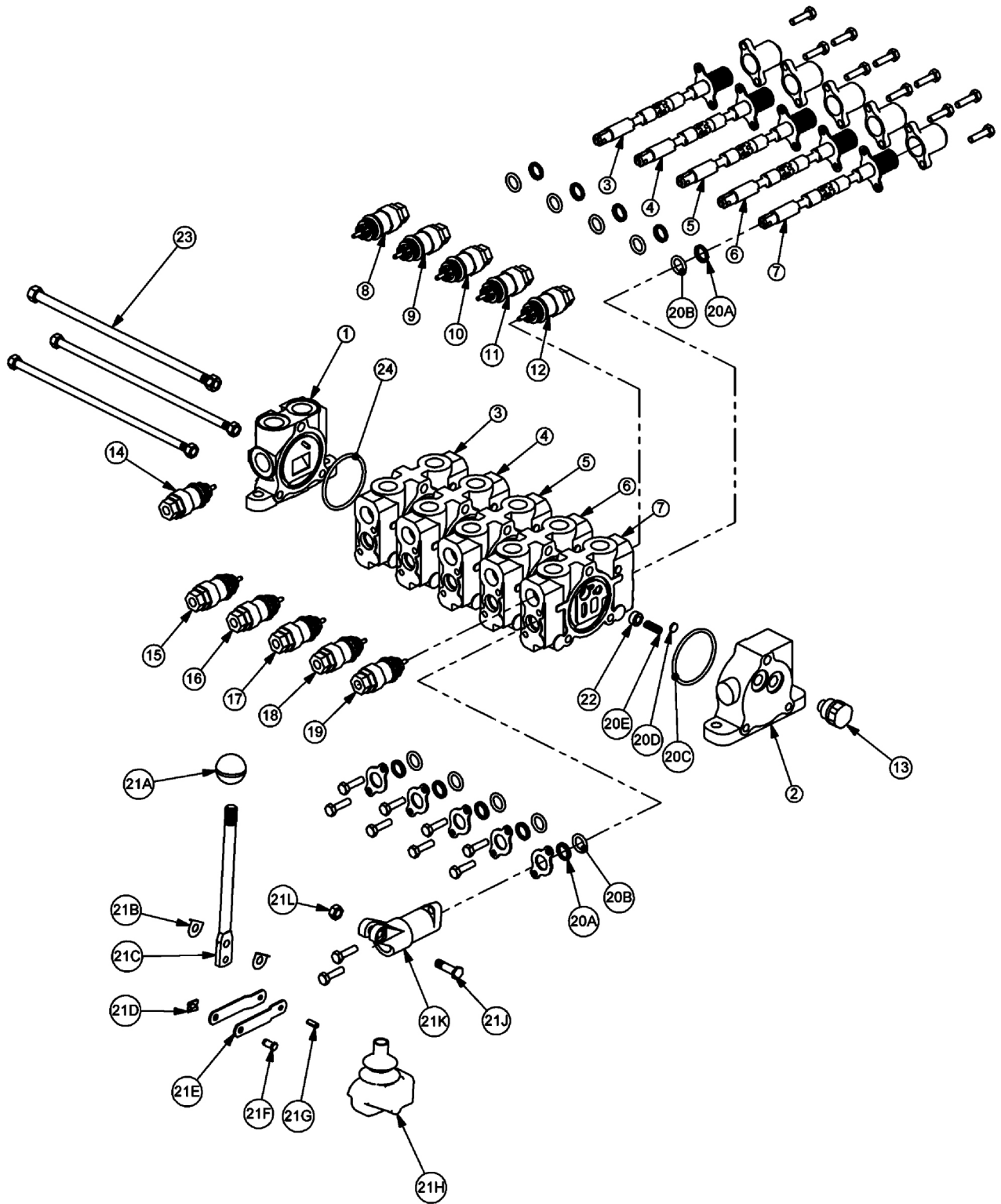
CABLE (MANUAL) LIFT VALVE, 4 SPOOL - 06502104

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 31595 | 1 | INLET END COVER |
| 2 | 31594 | 1 | END COVER, LOAD SENSE |
| 3 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 4 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 5 | 31600 | 1 | VALVE SECTION (DOUBLE ACTING, DETENT-FLOAT) |
| 6 | 31598 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING, METERED) |
| 7 | 06503067 | 1 | #10 O-RING PLUG |
| 8 | 06502003 | 1 | RELIEF VALVE, 2500 PSI |
| 9 | 31862 | 1 | RELIEF VALVE, 2175 PSI |
| 10 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 11 | 06503068 | 1 | #6 O-RING PLUG |
| 12 | 6T4209 | 1 | #10 O-RING PLUG |
| 13 | 06502085 | 1 | RELIEF VALVE, 3000 PSI |
| 14 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 15 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 16 | TB1017H | 1 | RELIEF VALVE, 1750 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 SABER T4

CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103



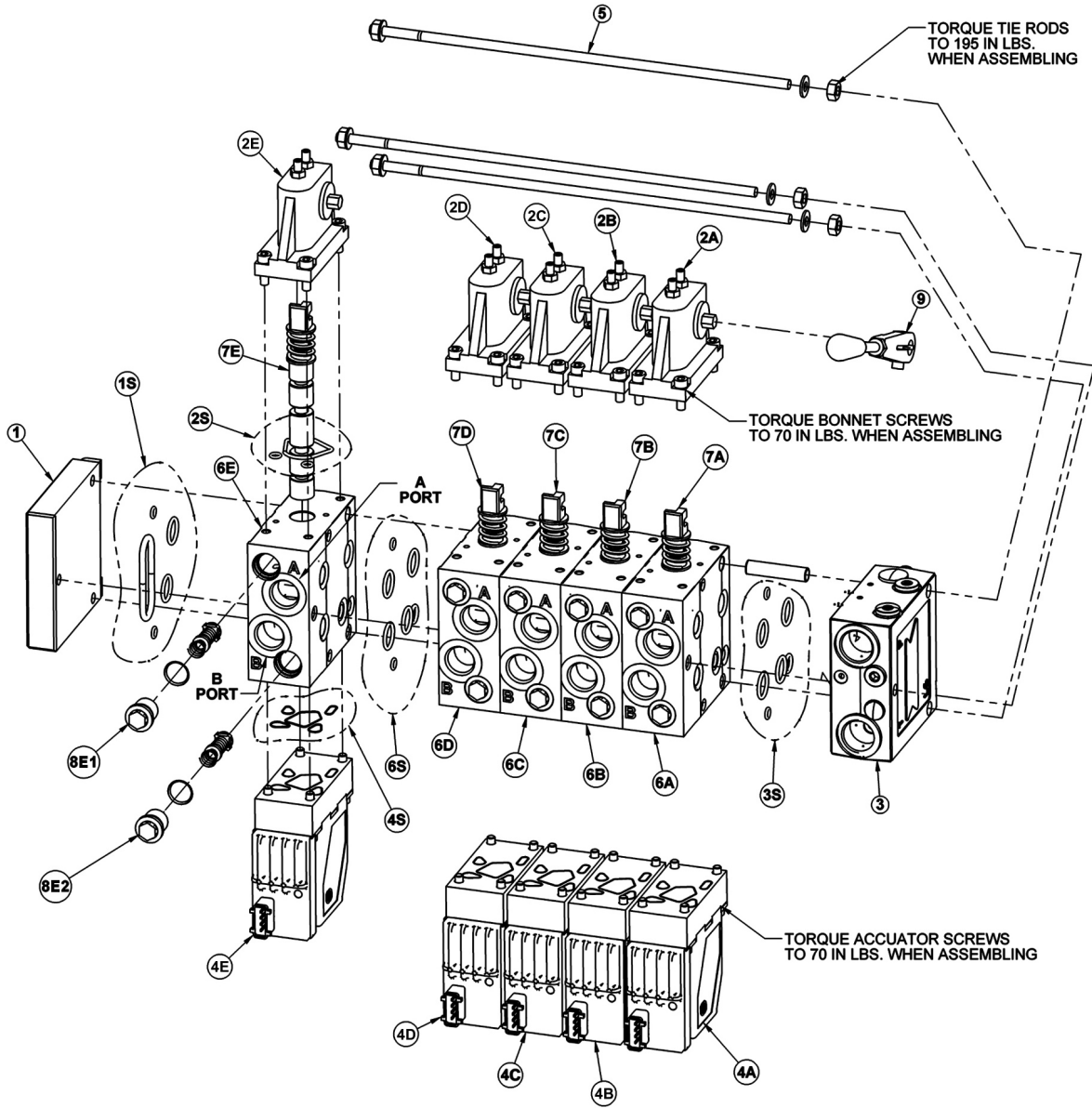
CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 31595 | 1 | INLET END COVER |
| 2 | 31594 | 1 | END COVER, LOAD SENSE |
| 3 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 4 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 5 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 6 | 31598 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING, METERED) |
| 7 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) (REMOVE SHUTTLE DISC) |
| 8 | 06503067 | 1 | RELIEF PLUG, #10 O-RING |
| 9 | TB1017K | 1 | RELIEF VALVE, 2500 PSI |
| 10 | TB1017J | 1 | RELIEF VALVE, 2175 PSI |
| 11 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 12 | 22588 | 1 | RELIEF VALVE, 500 PSI |
| 13 | 06503068 | 1 | RELIEF PLUG, #6 O-RING |
| 14 | 6T4209 | 1 | RELIEF PLUG, #10 O-RING |
| 15 | 06502085 | 1 | RELIEF VALVE, 3000 PSI |
| 16 | TB1017F | 1 | RELIEF VALVE, 1750 PSI |
| 17 | TB1017F | 1 | RELIEF VALVE, 1750 PSI |
| 18 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 19 | 22588 | 1 | RELIEF VALVE, 500 PSI |
| 20 | 31593 | 5 | VALVE SEAL KIT (FOR ONE SECTION) |
| 20A | ----- | 2 | WIPER |
| 20B | ----- | 2 | O-RING SMALL |
| 20C | ----- | 1 | O-RING LARGE |
| 20D | ----- | 1 | SHUTTLE DISC |
| 20E | ----- | 1 | SPRING |
| 21 | TB1017L | 5 | LEVER KIT (FOR ONE SECTION) |
| 21A | ----- | 1 | LEVER KNOB |
| 21B | ----- | 1 | LEVER |
| 21C | ----- | 2 | LEVER WASHER |
| 21D | ----- | 1 | LEVER CLIP |
| 21E | ----- | 2 | LINKAGE |
| 21F | ----- | 1 | LEVER PIN |
| 21G | ----- | 1 | ROLL PIN |
| 21H | ----- | 1 | LEVER BOOT |
| 21J | ----- | 1 | LEVER BOLT |
| 21K | ----- | 1 | LEVER DUST COVER |
| 21L | ----- | 1 | LEVER NUT |
| 22 | 31603 | 5 | COMPENSATOR |
| 23 | TB1017V | 1 | TIE ROD KIT |
| 24 | 24214 | 1 | O-RING, LARGE |

COMMON SABER T4

5 SPOOL ELECTRONIC VALVE - 06502146



| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|-----------------------|
| ----- | 06502146 | - | VLV,5SP,32PVG, SABER |
| 1 | 06502074 | 1 | END PLATE |
| 1S | 06505013 | 1 | END PLATE SEAL KIT |
| 2 | ----- | 5 | BONNET |
| 2S | 06505042 | 1 | BONNET SEAL KIT |
| 2A | 42197 | 1 | MAIN BOOM BONNET |
| 2B | 42197 | 1 | SECONDARY BOOM BONNET |
| 2C | 42197 | 1 | DECK ROLL BONNET |
| 2D | 42197 | 1 | BOOM SWIVEL BONNET |
| 2E | 42197 | 1 | DECK SHIELD BONNET |

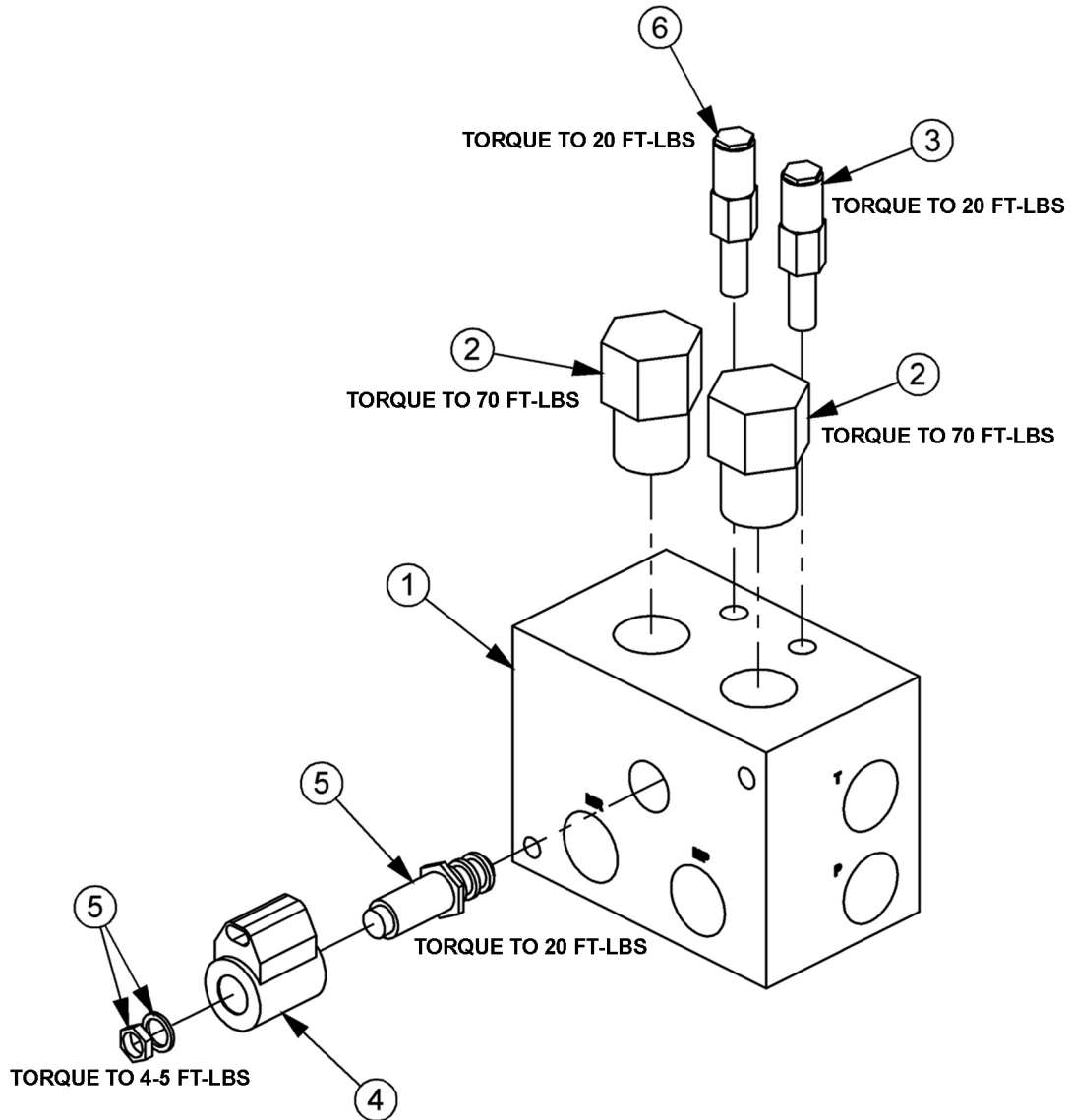
COMMON SABER T4

5 SPOOL ELECTRONIC VALVE - 06502146

Continued...

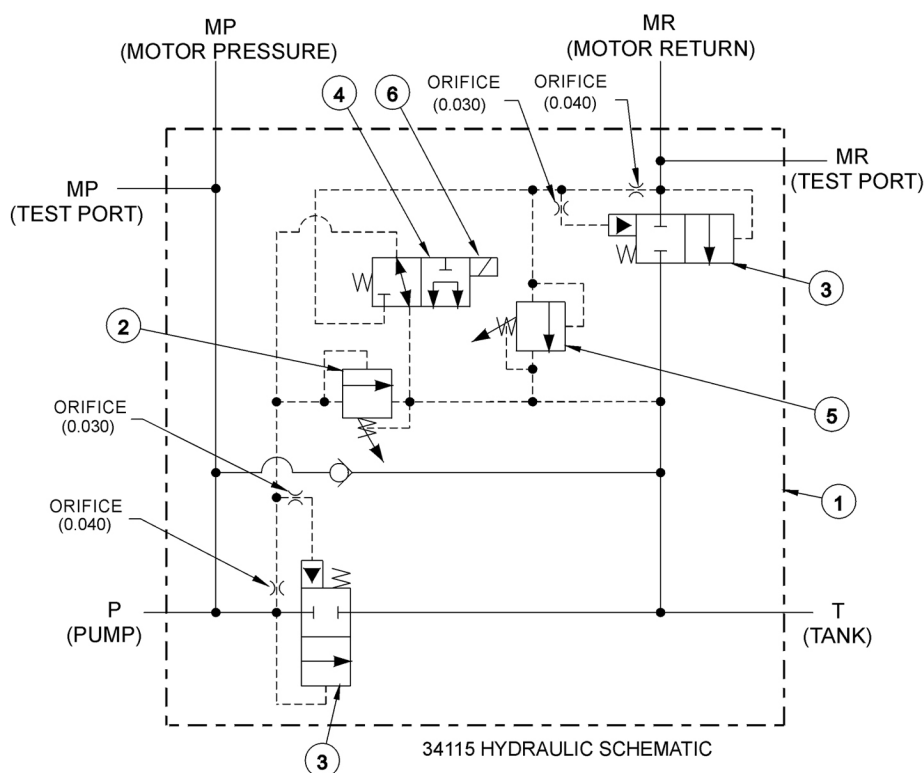
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------------|
| 3 | 34308 | 1 | INLET SECTION |
| 3S | 06505013 | 1 | INLET SECTION SEAL KIT |
| 4 | ----- | 5 | ELECTRONIC ACCUATOR |
| 4A | 06502101 | 1 | MAIN BOOM ELECTRONIC ACCUATOR |
| 4B | 06502101 | 1 | SECONDARY BOOM ELECTRONIC ACCUATOR |
| 4C | 06502100 | 1 | DECK ROLL ELECTRONIC ACCUATOR |
| 4D | 06502101 | 1 | BOOM SWIVEL ELECTRONIC ACCUATOR |
| 4E | 06502099 | 1 | DECK SHIELD ELECTRONIC ACCUATOR |
| 5 | 42202 | 1 | TIE-BOLT KIT |
| 6 | ----- | 5 | SECTION |
| 6S | 06505013 | 1 | SECTION SEAL KIT |
| 6A | 42698 | 1 | MAIN BOOM SECTION |
| 6B | 42698 | 1 | SEC BOOM SECTION |
| 6C | 06502076 | 1 | DECK ROLL SECTION |
| 6D | 42698 | 1 | BOOM SWIVEL SECTION |
| 6E | 06502077 | 1 | SHIELD SECTION |
| 7 | ----- | 5 | SPOOL |
| 7A | 42697 | 1 | MAIN BOOM SPOOL |
| 7B | 42697 | 1 | SEC BOOM SPOOL |
| 7C | 4242106 | 1 | DECK ROLL SPOOL |
| 7D | 06502073 | 1 | BOOM SWIVEL SPOOL |
| 7E | 42201 | 1 | DECK SHIELD SPOOL |
| 8 | ----- | 10 | ANTI CAV/SHOCK RELIEF |
| 8A1 | 42650 | 1 | MAIN BOOM A PORT RELIEF |
| 8A2 | 06502069 | 1 | MAIN BOOM B PORT RELIEF |
| 8B1 | 42650 | 1 | SEC BOOM A PORT RELIEF |
| 8B2 | 42295 | 1 | SEC BOOM B PORT RELIEF |
| 8C1 | 42296 | 1 | DECK ROLL A PORT RELIEF |
| 8C2 | 42295 | 1 | DECK ROLL B PORT RELIEF |
| 8D1 | 42295 | 1 | BOOM SWIVEL A PORT RELIEF |
| 8D2 | 06502083 | 1 | BOOM SWIVEL B PORT RELIEF |
| 8E1 | 06502069 | 1 | DECK SHIELD A PORT RELIEF |
| 8E2 | 06502069 | 1 | DECK SHIELD B PORT RELIEF |
| 9 | 33459 | 1 | HANDLE |

BRAKE VALVE ASSEMBLY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| --- | 06510084 | 1 | BRAKE VALVE, ASSY |
| 1 | 34092 | 1 | BRAKE VALVE, BLANK |
| 2 | 34094 | 2 | LOGIC ELEMENT |
| 3 | 34090 | 1 | RELIEF VALVE, 3500 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 |

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.

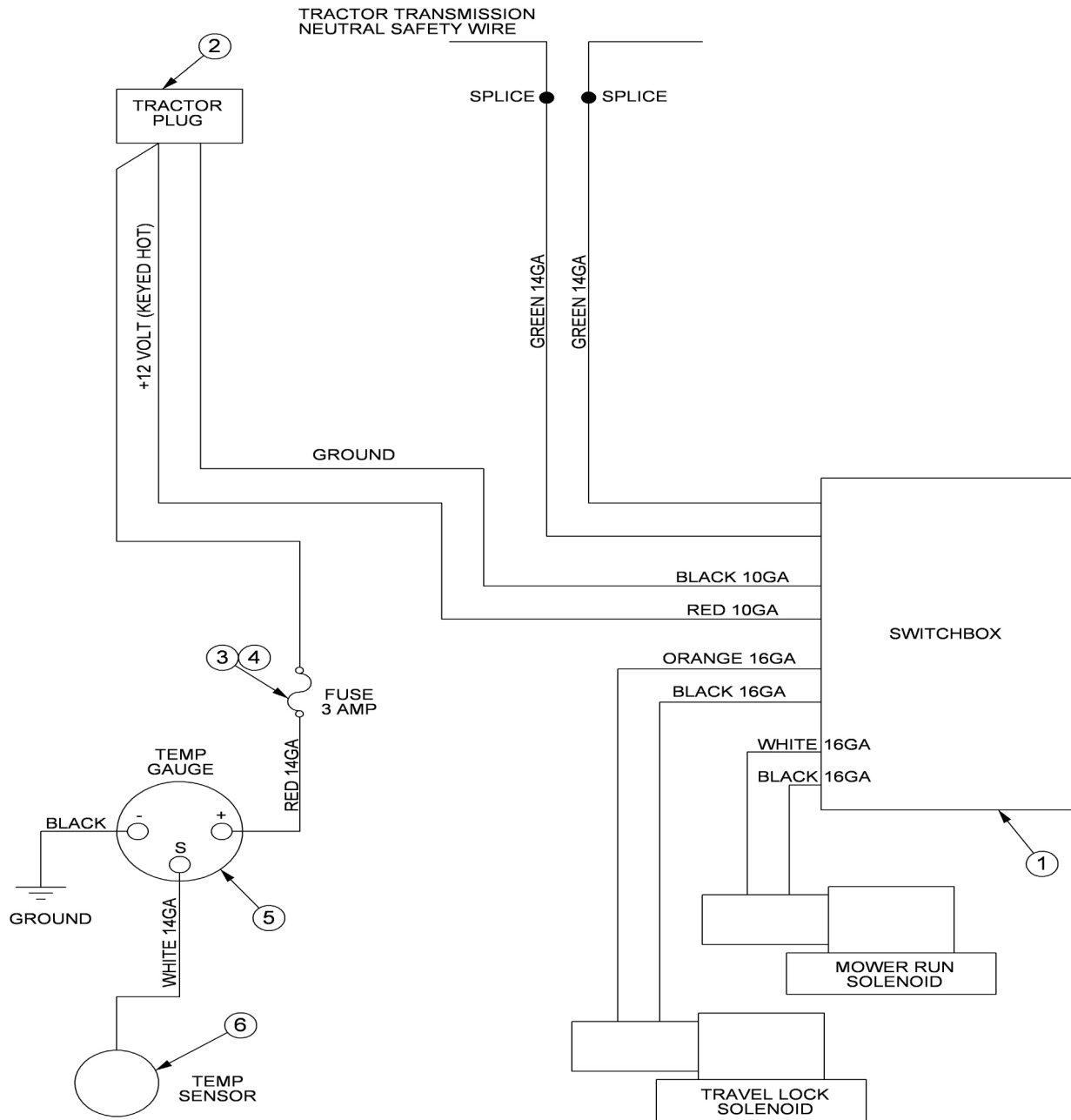
CHECK STEPS

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

CORRECTIVE STEPS:

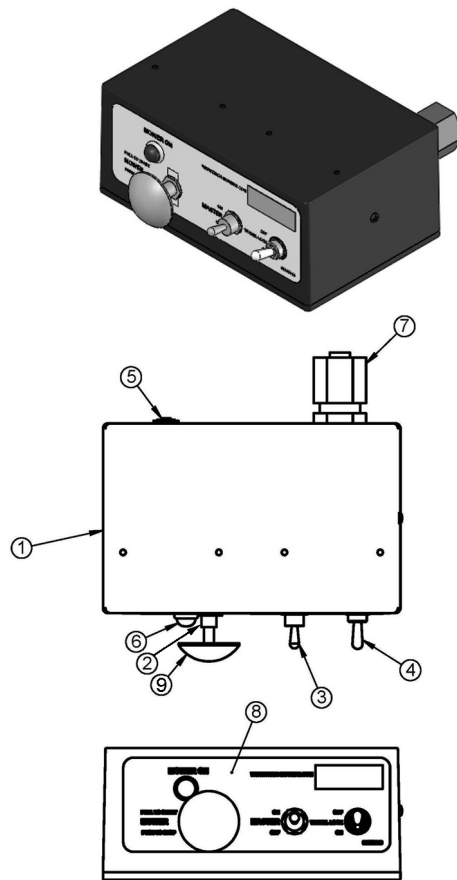
1. Check for voltage at solenoid (item 6), voltage must be between 10.2 volts and 13.8 volts.
2. Remove, inspect solenoid and cartridge (items 4, 6) for wear or contamination.
3. Remove, inspect logic elements near "P" port (item 3) for wear or contamination.
4. Remove, inspect 3000 psi relief valve (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.

SOLENOID SWITCH BOX AND WIRING



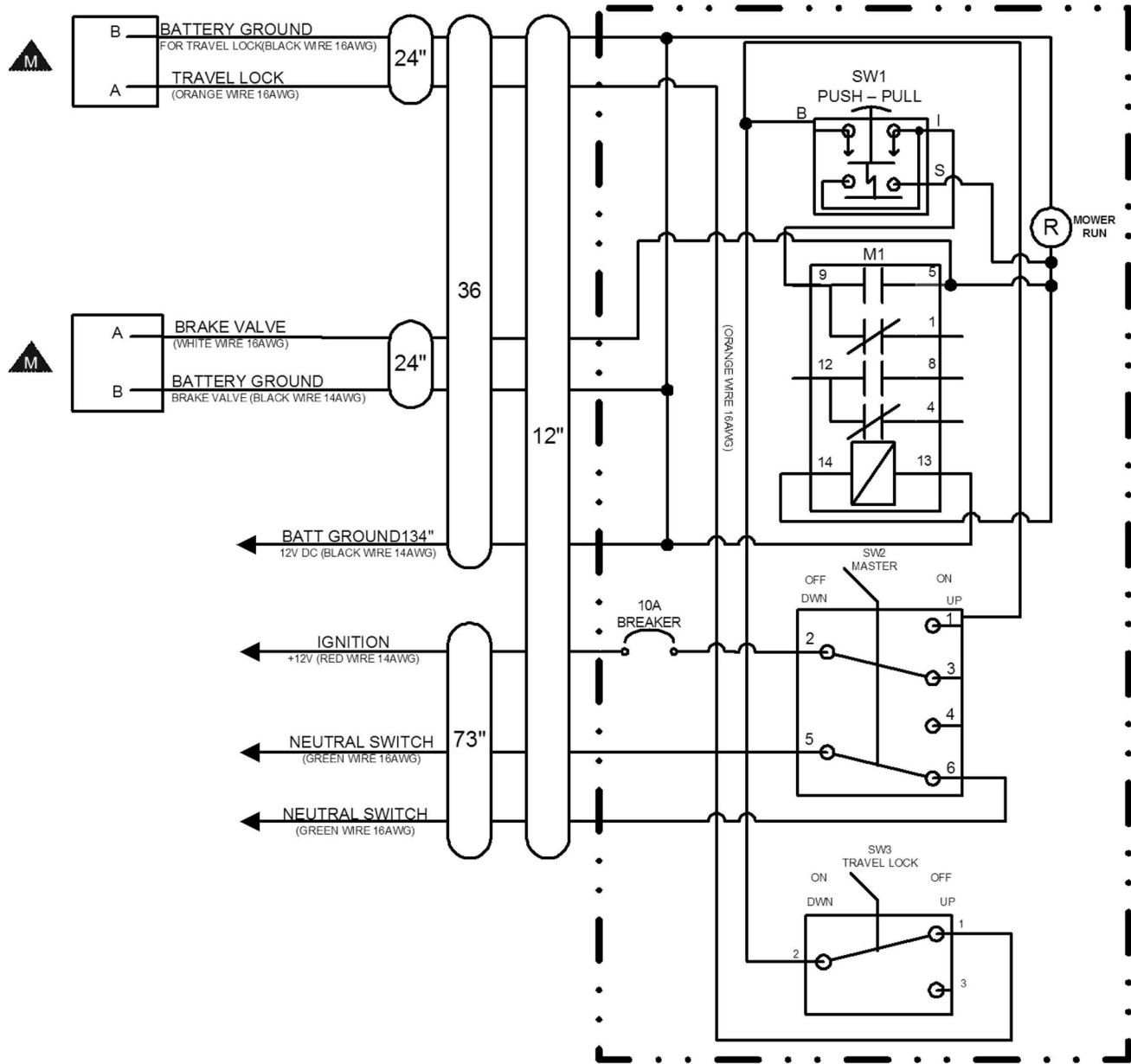
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------|
| 1 | ----- | - | SWITCH BOX |
| 2 | RE37651 | 1 | PLUG,AUX PWR |
| 3 | 24204 | - | FUSE HOLDER,IN-LINE (OPTION) |
| 4 | 6T3965 | - | FUSE,3AMP (OPTION) |
| 5 | 6T3934 | - | TEMPERATURE GAUGE (OPTION) |
| 6 | 6T3931 | - | TEMPERATURE SENSOR (OPTION) |

MANUAL LIFT VALVE SWITCH BOX

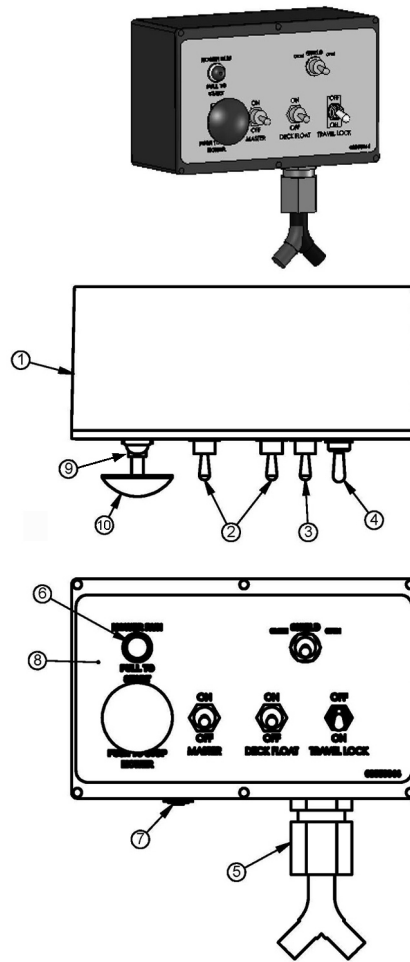


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| 1 | 06514012 | 1 | SWBX,ALUM,BLK,06510100 |
| 2 | 35226 | 1 | SWITCH,MOWER,COLEHERSEE |
| 3 | 33811 | 1 | SWITCH,MASTER/DECK FLOAT |
| 4 | 34532 | 1 | SWITCH,TRVL LCK |
| 5 | 06514014 | 1 | BREAKER,10A,SWBX |
| 6 | 6T3923 | 1 | INDICTATOR LIGHT,ON,RED |
| 7 | 34540 | 1 | STRAIN RELIEF,3/4,BLACK,NYLON |
| 8 | 06550019 | 1 | DECAL,SWTCHBX,BOOM,CG |
| 9 | 02964063 | 1 | KNOB,RED |
| 10 | 35227 | 1 | RELAY,DP,DT,12V,LY2F,35226 |

MANUAL LIFT VALVE SCHEMATIC

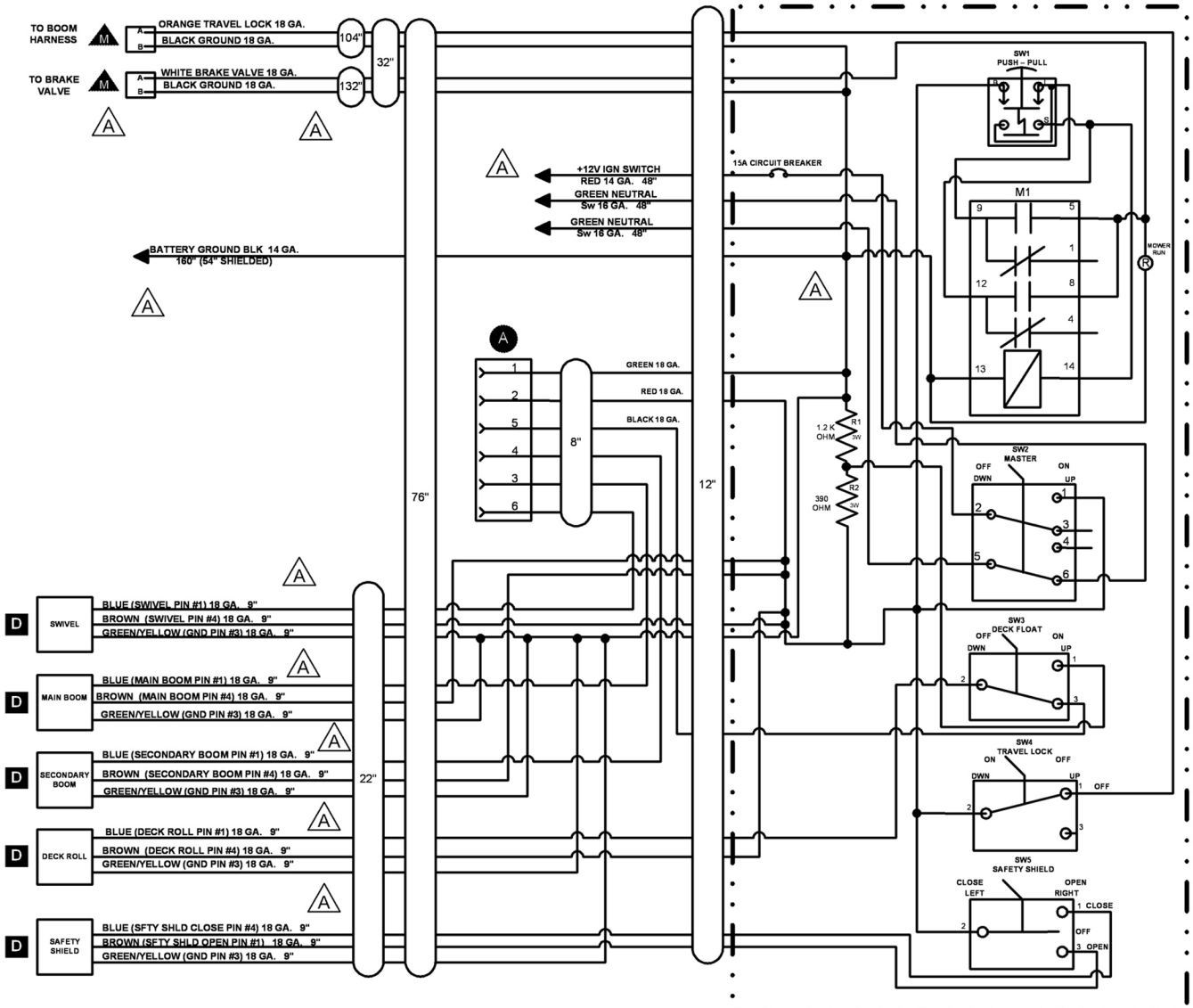


ELECTRONIC LIFT VALVE SWITCH BOX

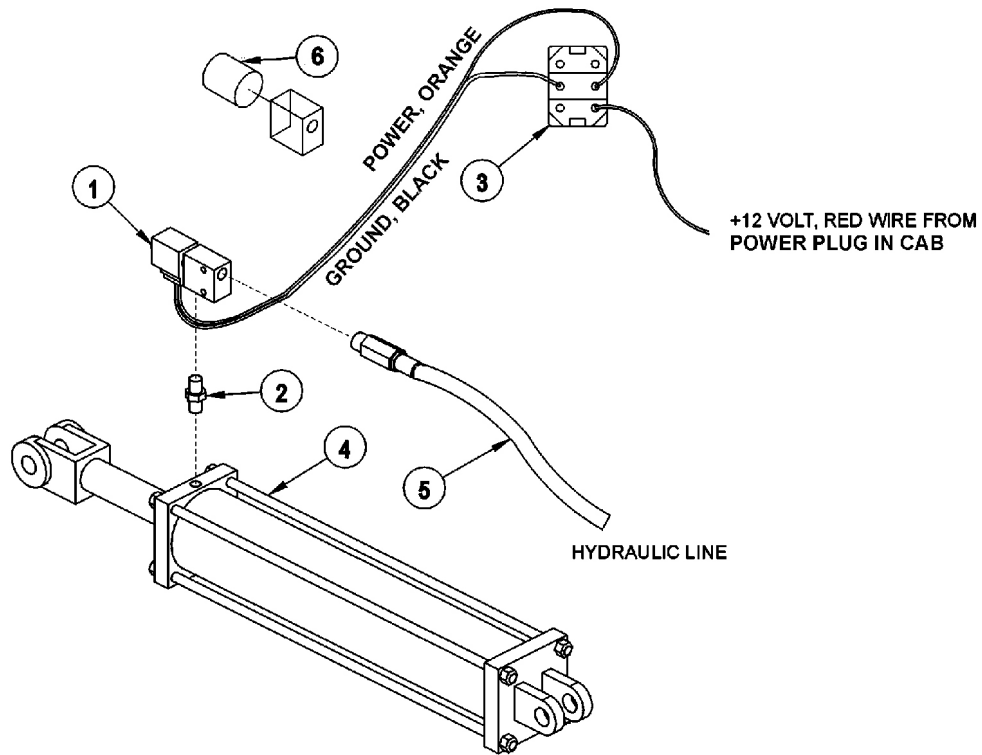


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 06510196 | 1 | SWBX,ASSY |
| 2 | 33811 | 2 | SWITCH,MASTER/DECK FLOAT |
| 3 | 33813 | 1 | SWITCH,SFTY SHIELD |
| 4 | 34532 | 1 | SWITCH,TRVL LCK |
| 5 | 34540 | 1 | STRAIN RELIEF,3/4",BLACK,NYLON |
| 6 | 6T3923 | 1 | INDICTATOR LIGHT,ON,RED |
| 7 | 06514006 | 1 | BREAKER,15A,SWBX |
| 8 | 06550044 | 1 | DECAL,SWBX,06510047 |
| 9 | 35226 | 1 | SWITCH,MOWER,COLEHERSEE |
| 10 | 02964063 | 1 | KNOB,RED |
| 11 | 35227 | 1 | RELAY,DP,DT,12V,LY2F,35226 |

ELECTRONIC LIFT VALVE SCHEMATIC



BOOM TRAVEL LOCK



DANFOSS SWITCH BOX



TRAVEL LOCK SWITCH

HUSCO SWITCH BOX



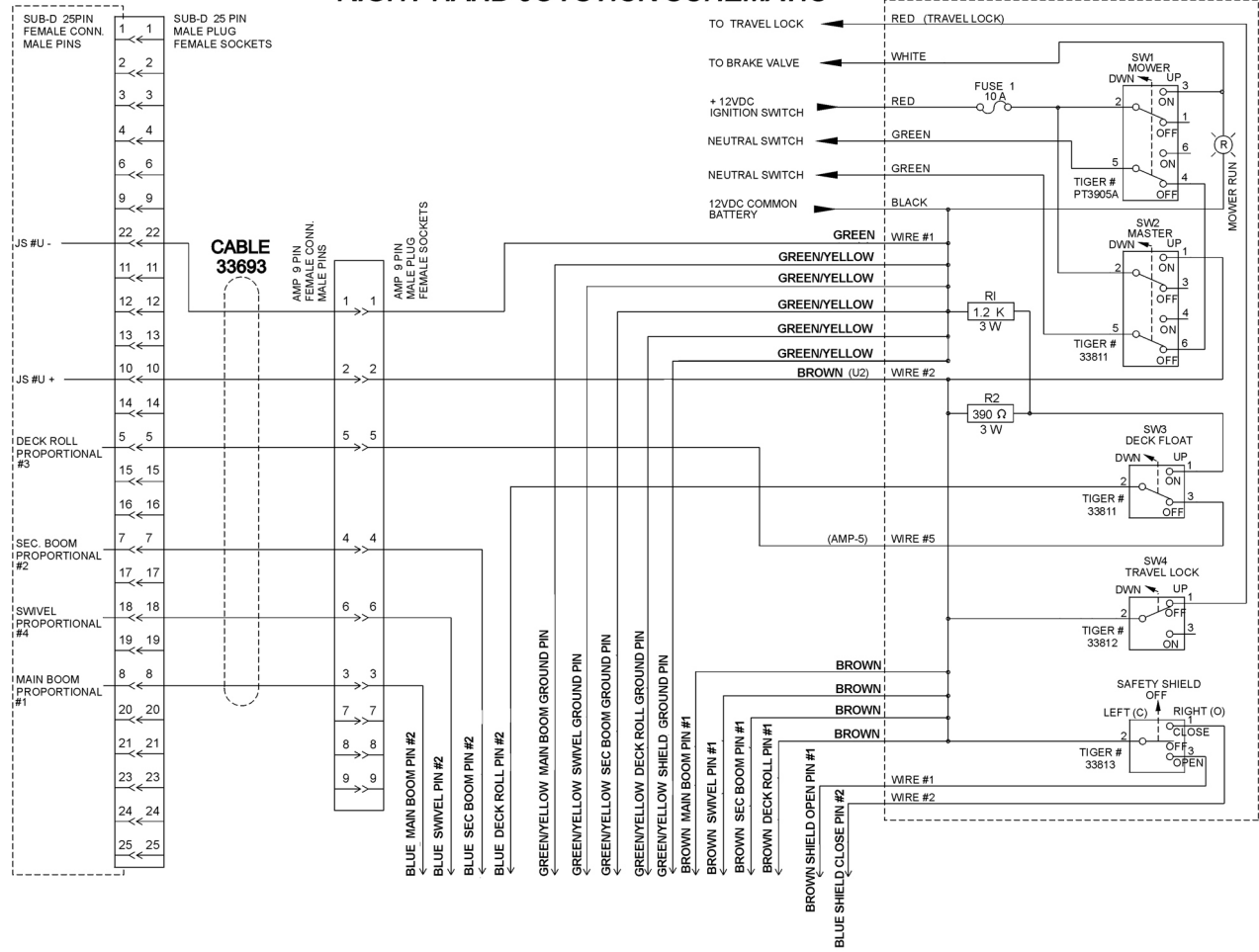
TRAVEL LOCK SWITCH

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 31328 | 1 | HYDRAULIC TRAVEL LOCK VALVE |
| 2 | 31329 | 1 | ADAPTER - STANDARD BOOM |
| 3 | 34532 | 1 | SWITCH,TRAVEL LOCK |
| 4 | ----- | - | MAIN BOOM CYLINDER *REFER TO BOOM ASSY |
| 5 | ----- | - | HOSE / FITTINGS *REFER TO BOOM HYD ASSY |
| 6 | 34796 | 1 | COIL ,TRAVEL LOCK |

JOYSTICK SWITCHBOX SCHEMATIC

RIGHT HAND JOYSTICK # 33691

RIGHT HAND JOYSTICK SCHEMATIC



JOYSTICK TROUBLESHOOTING

Boom operation not responding to joystick movement.

Isolate hydraulic vs. electronic symptom.

Turn off electronic master switch (preventing electronic actuator on valve from attempting to hold spool in neutral position). With tractor engine running, operate the valve section with the manual handle. If function operates normally, continue with electronic inspection. If function does not operate normally, continue with hydraulic inspection.

Electronic inspection.

Connect a voltmeter to the cable connector of the valve section that is not operating. This will allow you to measure supply and signal voltage when the joystick is operated.

Main, Secondary, and Swivel Valves – signal voltage should be 50% of supply voltage with joystick in Neutral position, up to 75% of supply voltage in B direction, down to 25% of supply voltage in A direction. Signal voltage should change smoothly with lever movement.

Pin #1 – Signal Voltage, Pin #4 – Power Voltage, Pin #3 – Ground

Deck Roll Valve or Float Valve – signal voltage should be 50% of supply voltage with joystick in Neutral position, up to 65% of supply voltage in B direction, down to 35% of supply voltage in A direction. Signal voltage should change smoothly with lever movement. Signal voltage should be approximately 75% of supply voltage when float switch is operated.

Pin #1 – Signal Voltage, Pin #4 – Power Voltage, Pin #3 – Ground

Shield Valve or On/Off Valve – Voltage on pin #1 should be equal to supply voltage when switch is operated in A direction. Voltage on pin #4 should be equal to supply voltage when switch is operated in B direction.

Pin #1 – Signal Voltage (Shield Open), Pin #4 – Signal Voltage (Shield Close), Pin #3 – Ground

If none of the valve will operate with electrical signal, verify that there is oil pressure at the valve inlet. Electrical Valves must have pilot supply oil to move the spools.

Possible electronic problems.

Open circuit (broken wire, bad connection or loose connection in switchbox).

Shorted to positive, ground, or other.

Incorrect voltage signal from joystick.

Continued on next sheet

TROUBLESHOOTING - CONTINUED

Hydraulic inspection.

Install 3 pressure gauges, on the valve inlet (use M port, or tee into hose supplying oil from the pump to the inlet), on the workport that is not operating, and on the LS port.

With the spools in Neutral

Gear pump – P should be approximately 200 psi, LS = 0, workport – pressure on cylinder or function.

LS pump – P should equal pump standby pressure, LS = 0, workport – pressure on cylinder or function.

Pressure Comp pump – P should equal pump standby pressure, LS = 0, workport – pressure on cylinder or function.

Gear pump – P should be approximately 200 psi higher than LS, LS should equal workport, workport – pressure on cylinder or function.

LS pump – P should be LS + standby, LS should equal workport, workport – pressure on cylinder or function.

Pressure Comp pump – P should equal pump standby pressure, LS should equal workport, workport – pressure on cylinder or function.

Operate one spool, measure pressures with function at end of travel or stop

Gear pump – P should equal valve relief setting or workport shock valve setting. LS should equal workport. Workport should equal relief setting or workport shock valve setting.

LS pump – P should equal valve relief setting, pump max pressure setting, or workport shock valve setting. LS should equal workport. Workport should equal relief setting, pump max pressure setting, or workport shock valve setting.

Pressure Comp pump – P should equal pump standby pressure, LS should equal workport. Workport should equal pump standby pressure or workport shock valve setting.

Operate more than one spool.

Gear pump – P should approximately 200 psi higher than LS. LS should equal highest workport pressure. Workport – pressure on cylinder or function.

LS pump – P should be LS + standby pressure. LS should equal highest workport pressure. Workport – pressure on cylinder or function.

Pressure Comp pump. P should equal pump standby pressure. LS should equal highest workport pressure. Workport – pressure on cylinder or function.

Possible hydraulic problems.

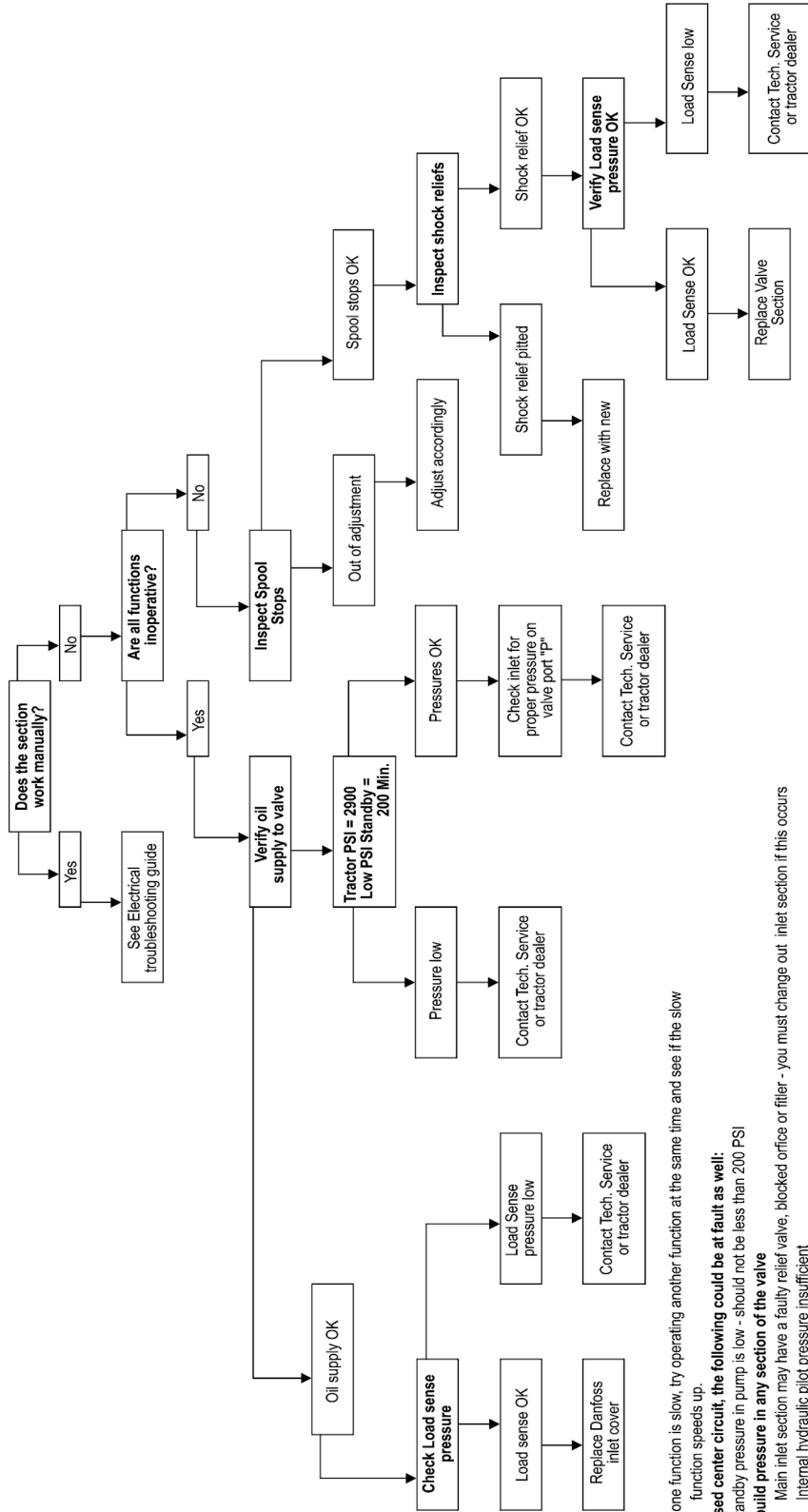
Cylinder leak.

LS signal leaking to tank before reaching pump LS port.

Hydraulic system or pump not supplying flow to valve.

HYDRAULIC TROUBLESHOOTING GUIDE

Hydraulic Troubleshooting guide



Notes: If one function is slow, try operating another function at the same time and see if the slow function speeds up.

On a closed center circuit, the following could be at fault as well:

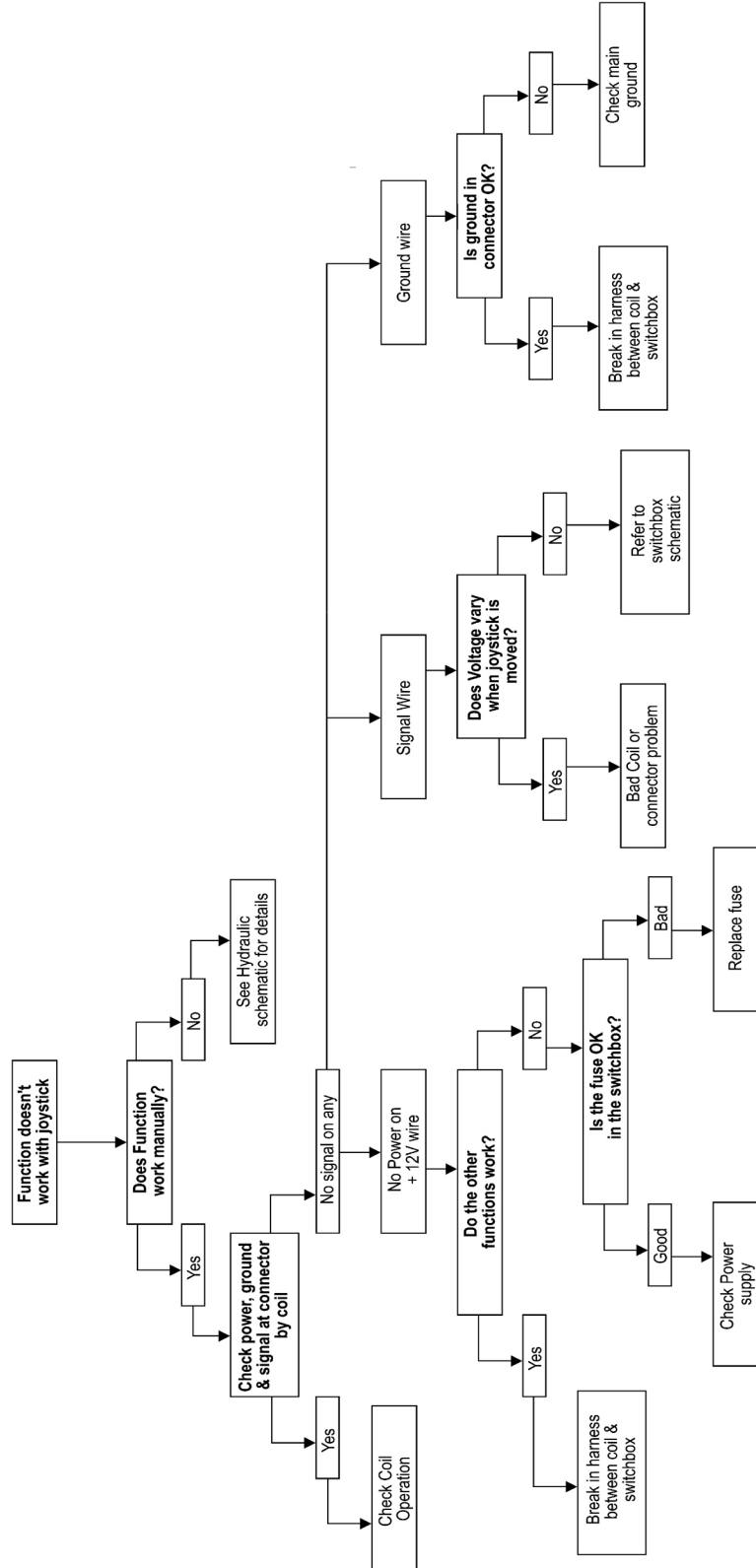
Tractor standby pressure in pump is low - should not be less than 200 PSI

Cannot build pressure in any section of the valve

Main inlet section may have a faulty relief valve, blocked orifice or filter - you must change out inlet section if this occurs
Internal hydraulic pilot pressure insufficient

ELECTRICAL TROUBLESHOOTING GUIDE

Joystick Electrical Troubleshooting guide

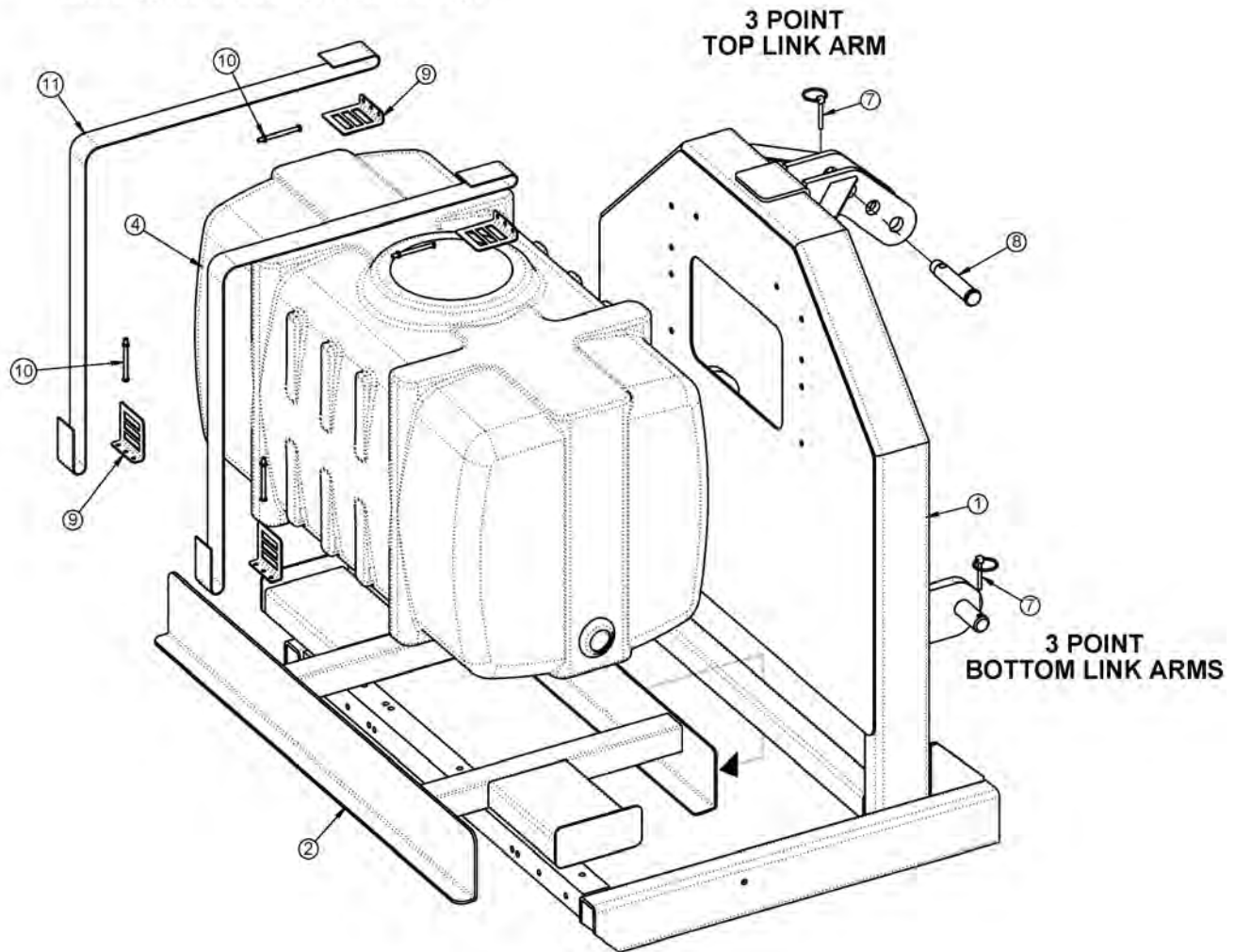


WETCUT

**WETCUT
SECTION**

WETCUT 50 GALLON TANK - 3PNT MOUNT

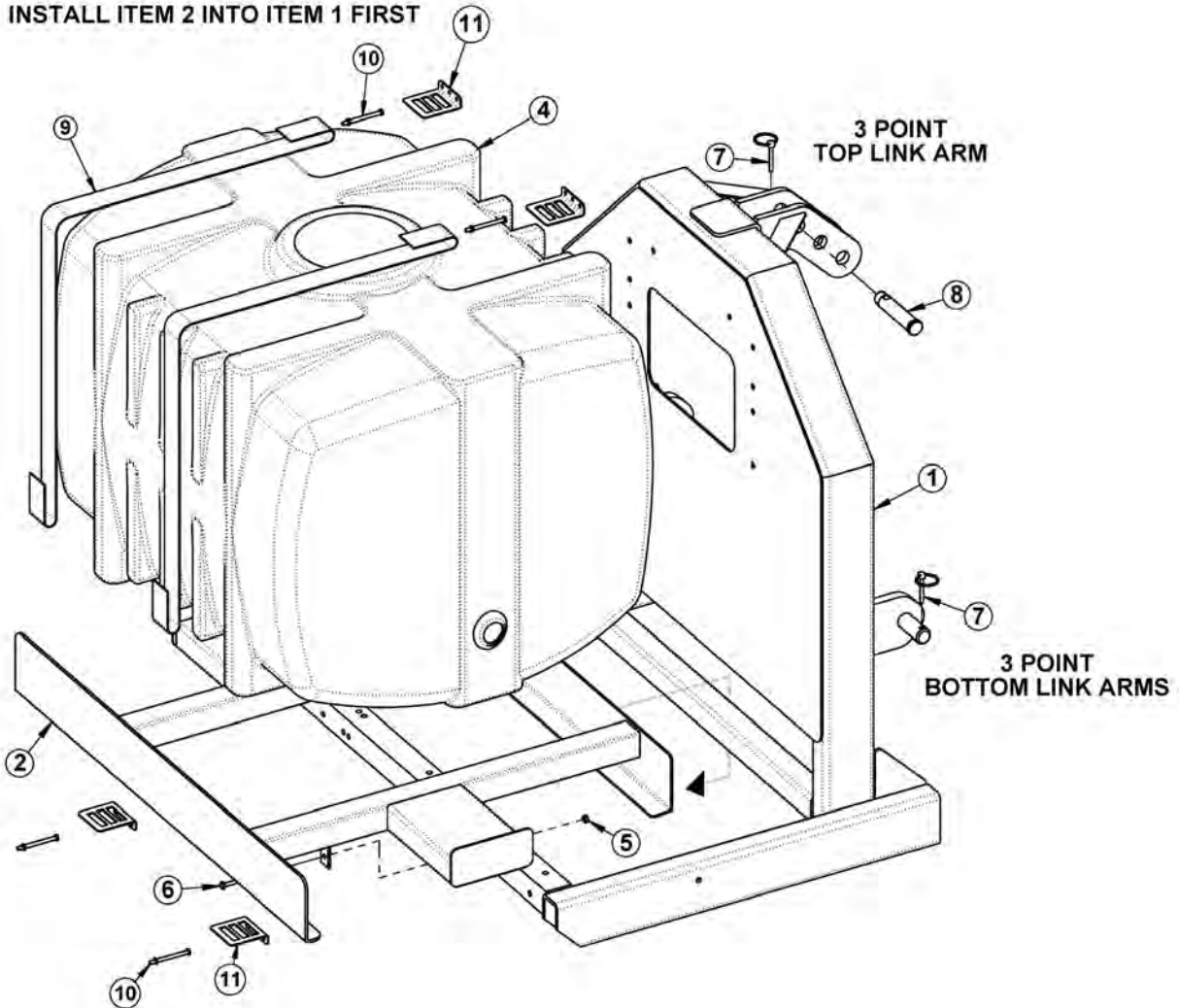
INSTALL ITEM 2 INTO ITEM 1 FIRST



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------|
| 1 | 06370128 | 1 | MNT,3PNT,UNI |
| 2 | 06370136 | 1 | MNT,TANK,50GAL,WETCUT |
| 4 | 06520342 | 1 | TANK,50GA.,WETCUT |
| 7 | RD1032 | 3 | PIN,LYNCH 1/4" X 2" |
| 8 | TB1036 | 1 | PIN,SEC BOOM SWIV 1X4-11/16" |
| 9 | 06520343 | 4 | ANCHOR,STRAP,WETCUT |
| 10 | 06520344 | 4 | BOLT,STRAP,TANK,WETCUT |
| 11 | 06520345 | 2 | STRAP,TANK,WETCUT |

WETCUT 100 OR 150 GALLON TANK - 3PNT MOUNT

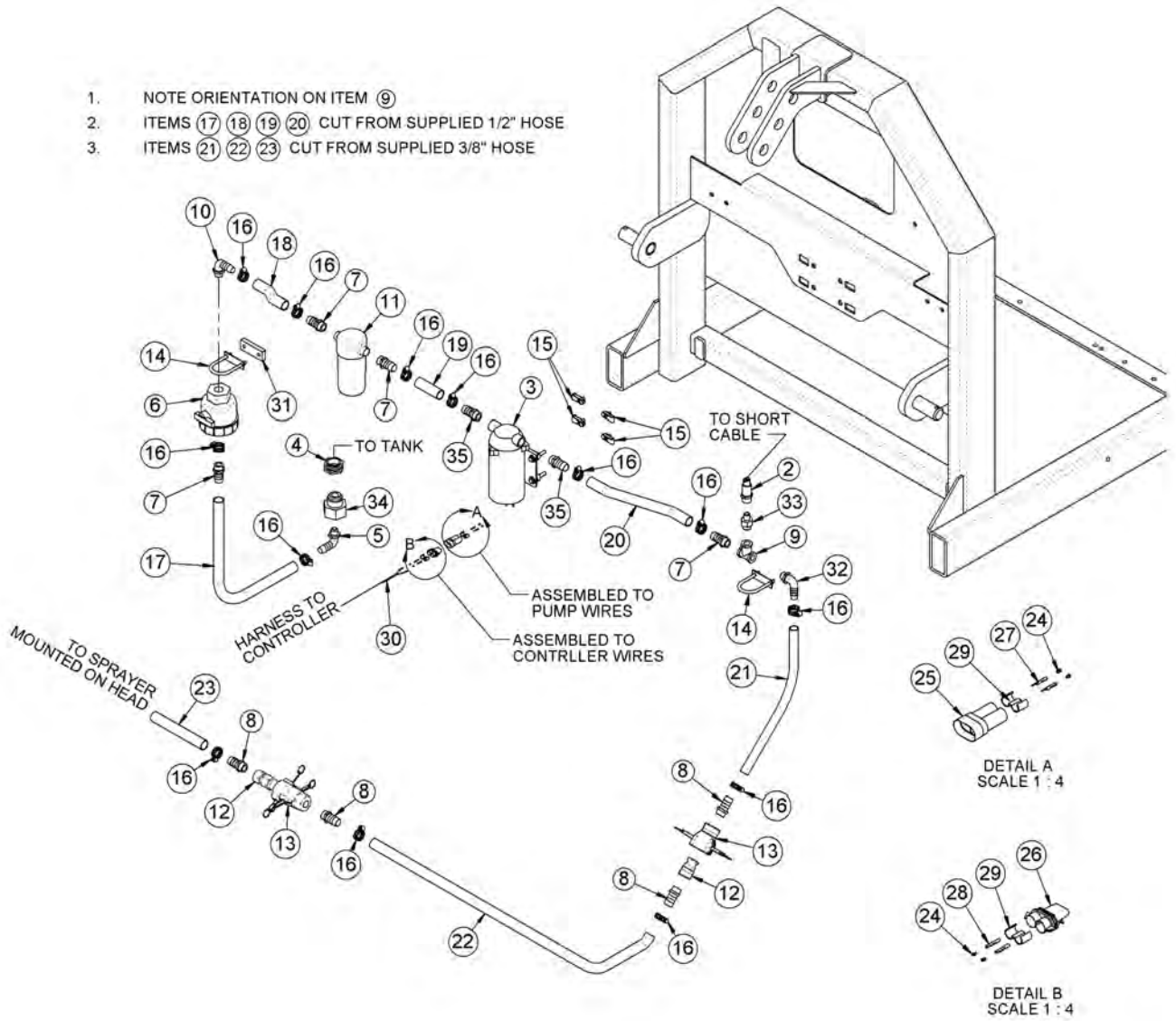
INSTALL ITEM 2 INTO ITEM 1 FIRST



| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|------------------------------|
| 1 | 06370128 | 1 | MNT,3PNT,UNI |
| 2 | 06370138 | 1 | MNT,TANK,100GAL,WETCUT |
| ----- | 06370139 | - | MNT,TANK,150GAL,WETCUT |
| 4 | 06520372 | 1 | TANK,100GA.,WETCUT |
| ----- | 06520373 | - | TANK,150GA.,WETCUT |
| 5 | 21527 | 2 | HEX NUT,NYLOCK,1/4" NC |
| 6 | 21530 | 2 | CAPSCREW,1/4" X 1" NC |
| 7 | RD1032 | 3 | PIN,LYNCH 1/4" X 2" |
| 8 | TB1036 | 1 | PIN,SEC BOOM SWIV 1X4-11/16" |
| 9 | 06520345 | 2 | STRAP,TANK,WETCUT |
| 10 | 06520344 | 4 | BOLT,STRAP,TANK,WETCUT |
| 11 | 06520343 | 4 | ANCHOR,STRAP,WETCUT |

WETCUT 3PNT PLUMBING - 50IN MOWERS

1. NOTE ORIENTATION ON ITEM ⑨
2. ITEMS ⑰ ⑱ ⑲ ⑳ CUT FROM SUPPLIED 1/2" HOSE
3. ITEMS ㉑ ㉒ ㉓ CUT FROM SUPPLIED 3/8" HOSE



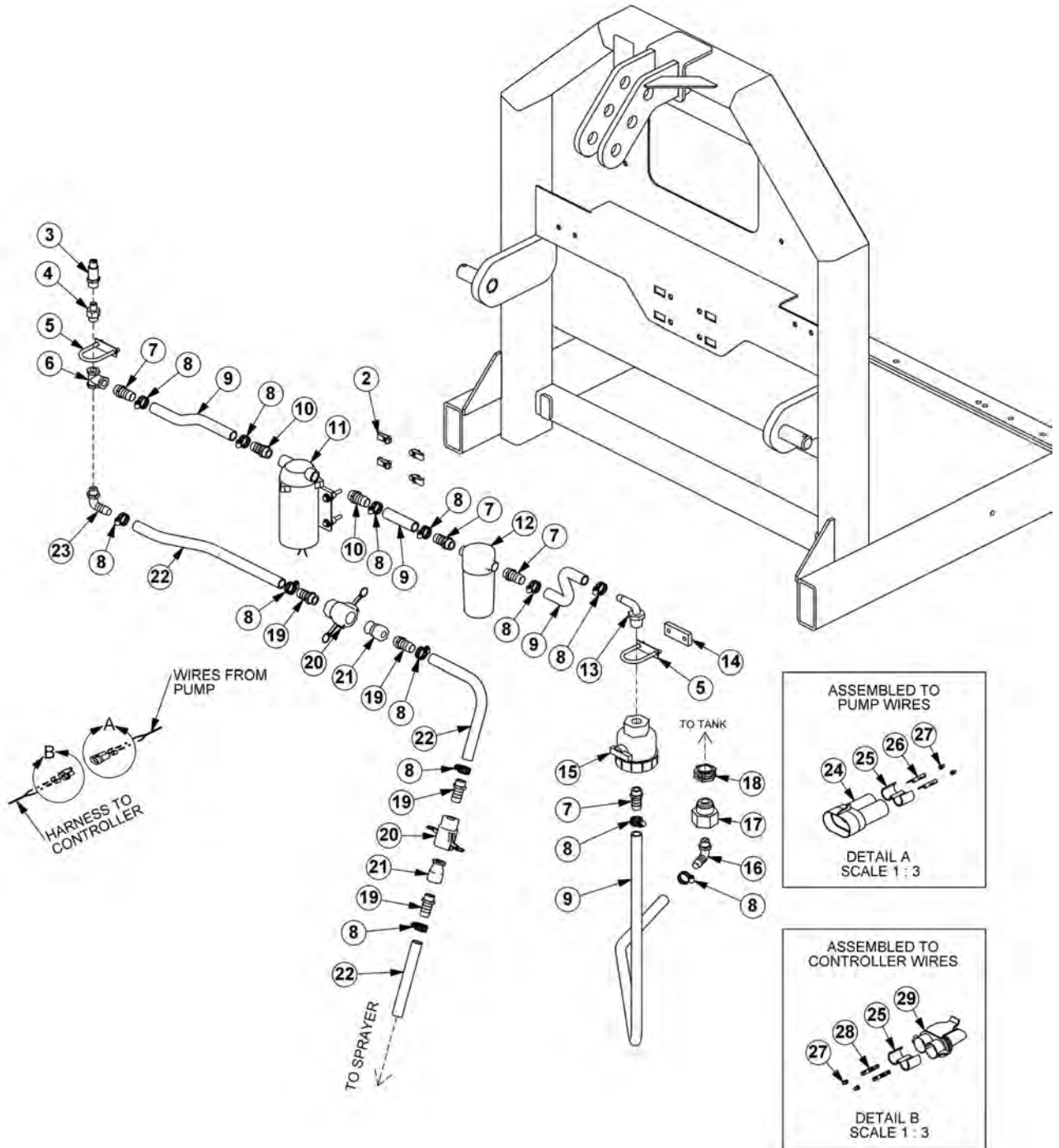
WETCUT 3PNT PLUMBING - 50IN MOWERS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|---|
| 1 | 06370128 | 1 | MNT,3PNT,UNI |
| 2 | 06520336 | 1 | CNTRLR,SENSOR,06520333 |
| 3 | 06520341 | 1 | PUMP,WETCUT |
| 4 | 06520346 | 1 | FITTING,BULKHEAD,WETCUT (50 GALLON TANKS ONLY) |
| 5 | 06520347 | 1 | FITTING,ELBOW,WETCUT |
| 6 | 06520348 | 1 | VLV,BALL,WETCUT |
| 7 | 06520349 | 4 | FITTING,BARB,HOSE,WETCUT |
| 8 | 06503173 | 4 | FITTING,1/2MP X 3/8"BARB |
| 9 | 06520353 | 1 | FITTING,TEE,WETCUT |
| 10 | 06520367 | 1 | ELBOW,1/2" X 1/2"BARB,POLY |
| 11 | 06520361 | 1 | FILTER,FIRE KIT,RAILKUT |
| 12 | 06520400 | 2 | QUIK CPLR,MALE,1/2",WETCUT |
| 13 | 06520401 | 2 | QUIK CPLR,FEM,1/2",WETCUT |
| 14 | 27329 | 2 | U-BOLT,1/4" X 1" X 2" |
| 15 | 35176 | 4 | U-NUT,1/4",3/4" TO CENTER |
| 16 | 35091 | 13 | CLAMP, HOSE #6 |
| 17 - 20 | 06520469 | 5 | 1/2" HOSE (FEET) |
| 21 - 23 | 06520316 | - | 3/8" HOSE (INCLUDED WITH SPRAYER) |
| 24 | 06510051 | 4 | SEAL,16-18GA,METPAK |
| 25 | 06510052 | 1 | CONN.,BODY,MALE,METRIPACK 150 |
| 26 | 06510053 | 1 | CONN.,BODY,FEM,METRIPACK 150 |
| 27 | 06510054 | 2 | TERMINAL,MALE,16/18GA.METPAK |
| 28 | 06510055 | 2 | TERMINAL,FEM,16/18GA.METPAK |
| 29 | 06510056 | 2 | TPA |
| 30 | 06520337 | 1 | INCLUDED WITH CONTROLLER |
| 31 | 06401133 | 1 | SPACER,Ø.31" X 1.75" X .38" |
| 32 | 06503165 | 1 | ELBOW,1/2"MP X 3/8"BARB |
| 33 | 06520354 | 1 | BUSHING,REDUCER,WETCUT |
| 34 | 06503169 | 1 | BUSHING,1"MP X 1/2"FP (100 & 150 GALLON TANKS ONLY) |
| 35 | 06503176 | 2 | FITTING,BARB,3/8"MP X 1/2"BARB |

COMMON SABER

WETCUT 3PNT PLUMBING - LARGE MOWERS



WETCUT 3PNT PLUMBING - LARGE MOWERS

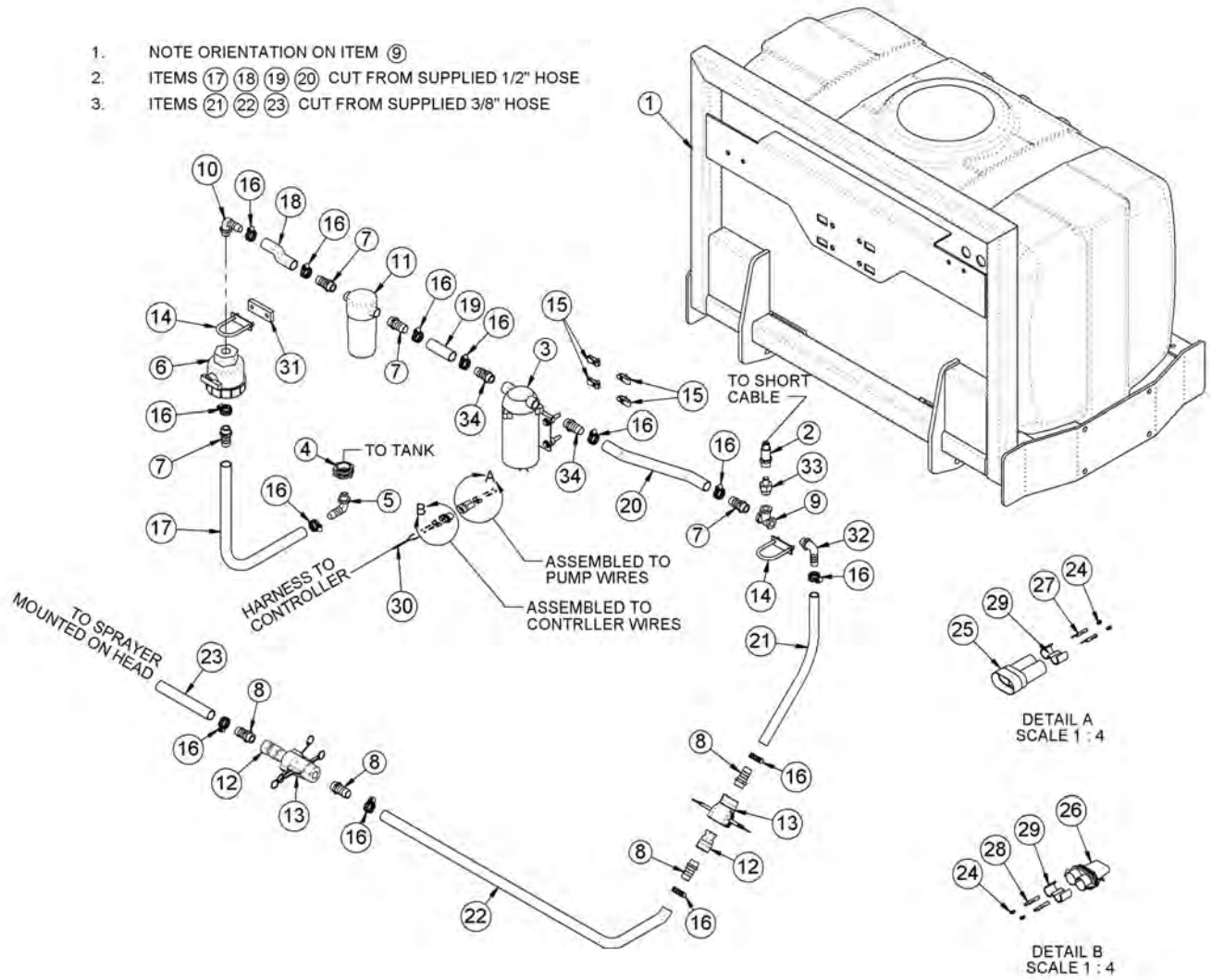
Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06370128 | 1 | MNT,3PNT,UNI |
| 2 | 35176 | 4 | U-NUT,1/4,3/4 TO CENTER |
| 3 | 06520336 | 1 | CNTRLR,SENSOR,06520333 |
| 4 | 06520354 | 1 | BUSHING,REDUCER,WETCUT |
| 5 | 27329 | 2 | U-BOLT,1/4" X 1" X 2" |
| 6 | 06520353 | 1 | FITTING,TEE,WETCUT |
| 7 | 06520349 | 4 | FITTING,BARB,HOSE,WETCUT |
| 8 | 35091 | 13 | CLAMP, HOSE #6 |
| 9 | 06520469 | 5 | 1/2" HOSE (FEET) |
| 10 | 06503168 | 2 | SWIVEL,1/2" STR |
| 11 | 06520359 | 1 | PUMP,LARGE |
| 12 | 06520361 | 1 | FILTER,FIRE KIT,RAILKUT |
| --- | 06520351 | 1 | STRAINER,40MESH |
| 13 | 06520367 | 1 | ELBOW,1/2X1/2BARB,POLY |
| 14 | 06401133 | 1 | SPACER,Ø.31X1.75X.38 |
| 15 | 06520348 | 1 | VLV,BALL,WETCUT |
| 16 | 06520347 | 1 | FITTING,ELBOW,WETCUT |
| 17 | 06503169 | 1 | BUSHING,1MPX1/2FP (100 & 150 GALLON TANKS ONLY) |
| 18 | 06520346 | 1 | FITTING,BULKHEAD,WETCUT (50 GALLON TANKS ONLY) |
| 19 | 06503173 | 4 | FITTING,BARB,1/2X3/8,WETCUT |
| 20 | 06520401 | 2 | QUIK CPLR,FEM,1/2,WETCUT |
| 21 | 06520400 | 2 | QUIK CPLR,MALE,1/2,WETCUT |
| 22 | 06520316 | - | 3/8" HOSE (INCLUDED WITH SPRAYER) |
| 23 | 06503165 | 1 | ELBOW,1/2X3/8BARB,POLY |
| 24 | 06510052 | 1 | CONN.,BODY,MALE,METRIPACK 150 |
| 25 | 06510056 | 2 | TPA |
| 26 | 06510054 | 2 | TERMINAL,MALE,16/18GA.METPAK |
| 27 | 06510051 | 4 | SEAL,16-18GA,METPAK |
| 28 | 06510055 | 2 | TERMINAL,FEM,16/18GA.METPAK |
| 29 | 06510053 | 1 | CONN.,BODY,FEM,METRIPACK 150 |

COMMON SABER

WETCUT FRONT PLUMBING - 50IN MOWERS

1. NOTE ORIENTATION ON ITEM ⑨
2. ITEMS ⑰ ⑱ ⑲ ⑳ CUT FROM SUPPLIED 1/2" HOSE
3. ITEMS ㉑ ㉒ ㉓ CUT FROM SUPPLIED 3/8" HOSE



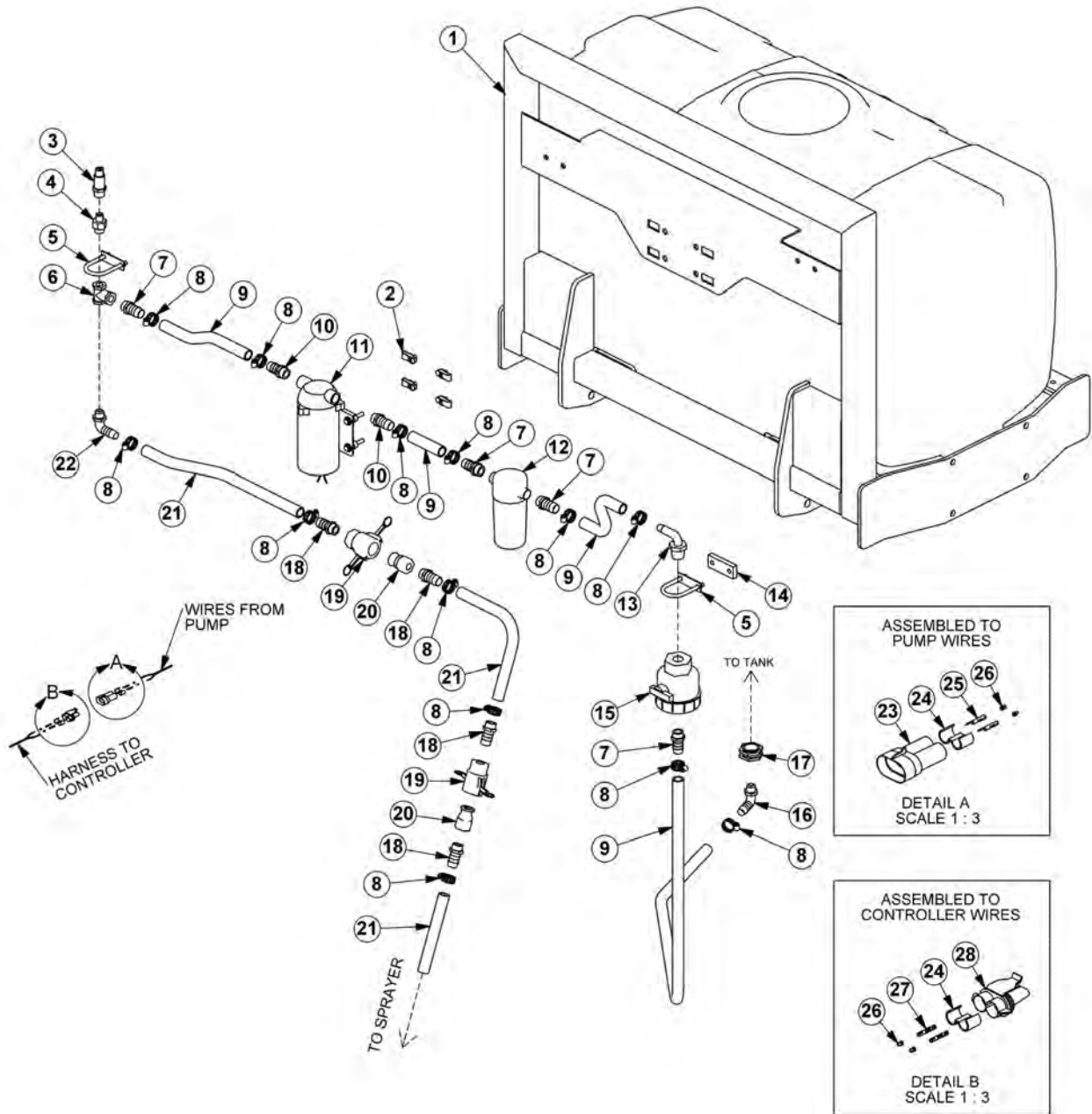
WETCUT FRONT PLUMBING - 50IN MOWERS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|-----------------------------------|
| 1 | 06370204 | 1 | MNT,FRONT,UNI |
| 2 | 06520336 | 1 | CNTRLR,SENSOR,06520333 |
| 3 | 06520341 | 1 | PUMP,WETCUT |
| 4 | 06520346 | 1 | FITTING,BULKHEAD,WETCUT |
| 5 | 06520347 | 1 | FITTING,ELBOW,WETCUT |
| 6 | 06520348 | 1 | VLV,BALL,WETCUT |
| 7 | 06520349 | 4 | FITTING,BARB,HOSE,WETCUT |
| 8 | 06503173 | 4 | FITTING,1/2"MP X 3/8"BARB |
| 9 | 06520353 | 1 | FITTING,TEE,WETCUT |
| 10 | 06520367 | 1 | ELBOW,1/2"MP X 1/2"BARB,POLY |
| 11 | 06520361 | 1 | FILTER,FIRE KIT,RAILKUT |
| --- | 06520351 | 1 | STRAINER,40MESH |
| 12 | 06520400 | 2 | QUIK CPLR,MALE,1/2",WETCUT |
| 13 | 06520401 | 2 | QUIK CPLR,FEM,1/2",WETCUT |
| 14 | 27329 | 2 | U-BOLT,1/4" X 1" X 2" |
| 15 | 35176 | 4 | U-NUT,1/4",3/4" TO CENTER |
| 16 | 35091 | 13 | CLAMP,HOSE #6 |
| 17 - 20 | 06520469 | 5 | 1/2" HOSE (FEET) |
| 21 - 23 | 06520316 | - | 3/8" HOSE (INCLUDED WITH SPRAYER) |
| 24 | 06510051 | 4 | SEAL,16-18GA,METPAK |
| 25 | 06510052 | 1 | CONN.,BODY,MALE,METRIPACK 150 |
| 26 | 06510053 | 1 | CONN.,BODY,FEM,METRIPACK 150 |
| 27 | 06510054 | 2 | TERMINAL,MALE,16/18GA.METPAK |
| 28 | 06510055 | 2 | TERMINAL,FEM,16/18GA.METPAK |
| 29 | 06510056 | 2 | TPA |
| 30 | 06520337 | 1 | INCLUDED WITH CONTROLLER |
| 31 | 06401133 | 1 | SPACER,Ø.31" X 1.75" X .38" |
| 32 | 06503165 | 1 | ELBOW,1/2"MP X 3/8"BARB,POLY |
| 33 | 06520354 | 1 | BUSHING,REDUCER,WETCUT |
| 34 | 06503176 | 2 | FITTING,3/8"MP X 1/2"BARB |

COMMON SABER

WETCUT FRONT PLUMBING - LARGER MOWERS



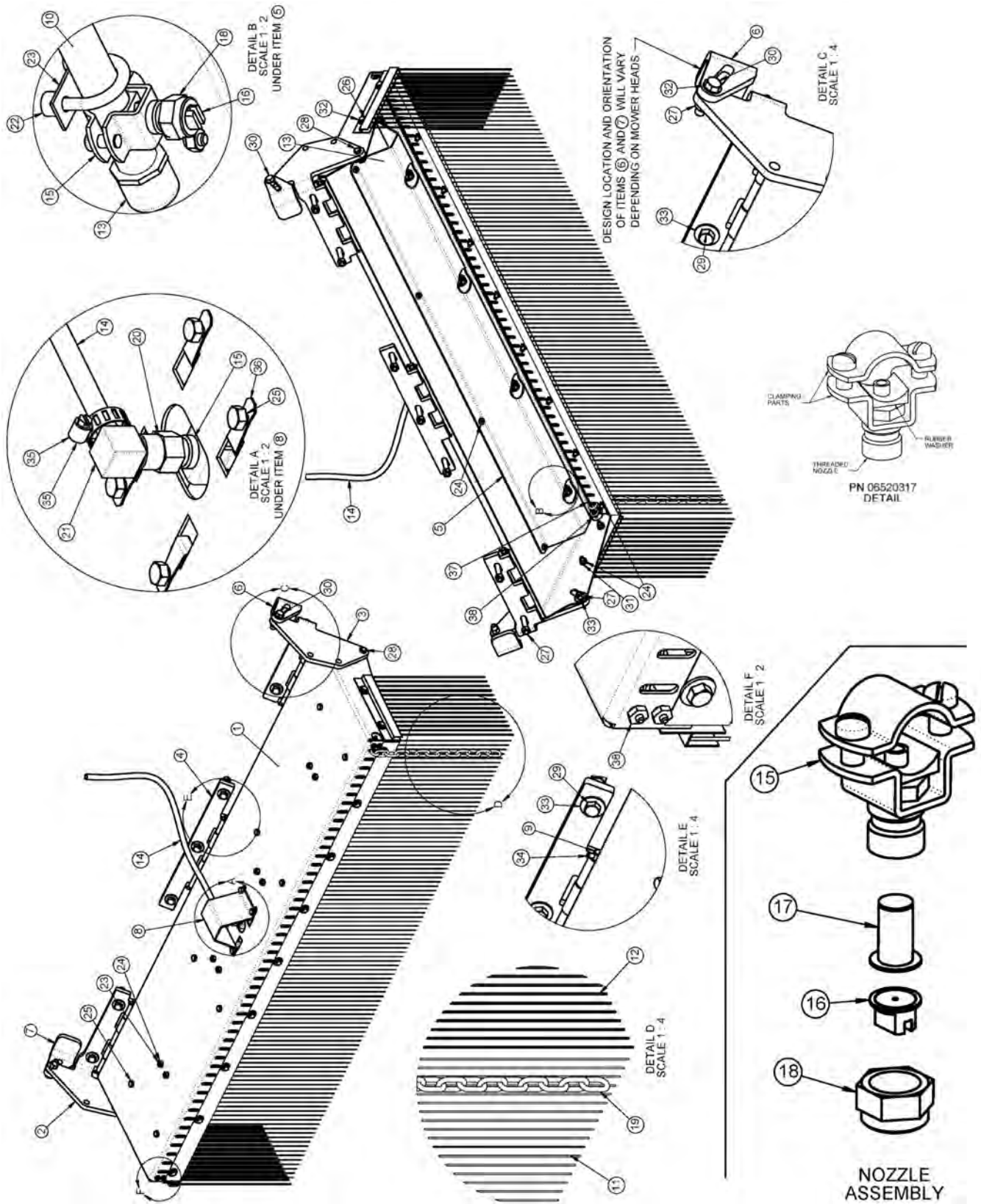
WETCUT FRONT PLUMBING - LARGER MOWERS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------------|
| 1 | 06370204 | 1 | MNT,FRONT,UNIV |
| 2 | 35176 | 4 | U-NUT,1/4,3/4 TO CENTER |
| 3 | 06520336 | 1 | CNTRLR,SENSOR,06520333 |
| 4 | 06520354 | 1 | BUSHING,REDUCER,WETCUT |
| 5 | 27329 | 2 | U-BOLT,1/4" X 1" X 2" |
| 6 | 06520353 | 1 | FITTING,TEE,WETCUT |
| 7 | 06520349 | 4 | FITTING,BARB,HOSE,WETCUT |
| 8 | 35091 | 13 | CLAMP, HOSE #6 |
| 9 | 06520469 | 5 | 1/2" HOSE (FEET) |
| 10 | 06503168 | 2 | SWIVEL,1/2" STR |
| 11 | 06520359 | 1 | PUMP,LARGE |
| 12 | 06520361 | 1 | FILTER,FIRE KIT,RAILKUT |
| --- | 06520351 | 1 | STRAINER,40MESH |
| 13 | 06520367 | 1 | ELBOW,1/2X1/2BARB,POLY |
| 14 | 06401133 | 1 | SPACER,Ø.31X1.75X.38 |
| 15 | 06520348 | 1 | VLV,BALL,WETCUT |
| 16 | 06520347 | 1 | FITTING,ELBOW,WETCUT |
| 17 | 06520346 | 1 | FITTING,BULKHEAD,WETCUT |
| 18 | 06503173 | 4 | FITTING,BARB,1/2X3/8,WETCUT |
| 19 | 06520401 | 2 | QUIK CPLR,FEM,1/2,WETCUT |
| 20 | 06520400 | 2 | QUIK CPLR,MALE,1/2,WETCUT |
| 21 | 06520316 | - | 3/8" HOSE (INCLUDED WITH SPRAYER) |
| 22 | 06503165 | 1 | ELBOW,1/2X3/8BARB,POLY |
| 23 | 06510052 | 1 | CONN.,BODY,MALE,METRIPACK 150 |
| 24 | 06510056 | 2 | TPA |
| 25 | 06510054 | 2 | TERMINAL,MALE,16/18GA.METPAK |
| 26 | 06510051 | 4 | SEAL,16-18GA,METPAK |
| 27 | 06510055 | 2 | TERMINAL,FEM,16/18GA.METPAK |
| 28 | 06510053 | 1 | CONN.,BODY,FEM,METRIPACK 150 |

COMMON SABER

WETCUT 50IN SPRAYER HEAD ASSEMBLY



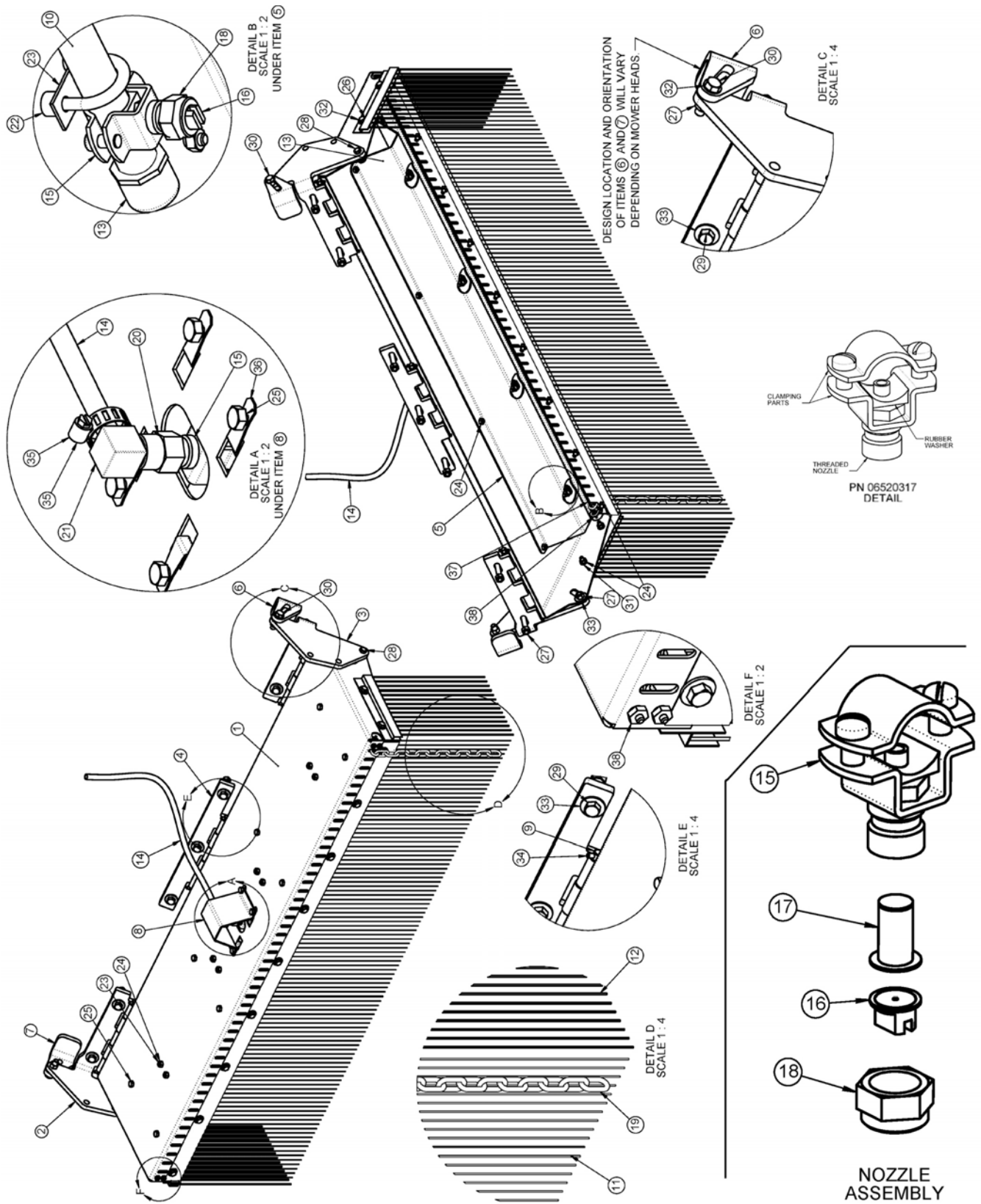
WETCUT 50IN SPRAYER HEAD ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06370105 | 1 | HOOD,SPRAYER |
| 2 | 06370106 | 1 | HINGE,LH,SPRAYER |
| 3 | 06370107 | 1 | HINGE,RH,SPRAYER |
| 4 | 06370108 | 1 | HINGE,CNTR,SPRAYER |
| 5 | 06410668 | 1 | GUARD,SPRAYER,WETCUT |
| 6 | 06410753 | 1 | MNT,RH,WET CUT (FLAIL) |
| --- | 06410942 | 1 | MNT,RH,WET CUT (ROTARY) |
| 7 | 06410754 | 1 | MNT,LH,WET CUT (FLAIL) |
| --- | 06410943 | 1 | MNT,LH,WET CUT (ROTARY) |
| 8 | 06410796 | 1 | GUARD,HOSE,WETCUT |
| 9 | 06420069 | 3 | PIN,HINGE,WET CUT |
| 10 | 06497003 | 1 | TUBE,LG,SPRAYER |
| 11 | 06499012 | 1 | SKIRT,ANTI SPRAY,50 |
| 12 | 06499013 | 2 | SKIRT,ANTI SPRAY,7 |
| 13 | 06520314 | 2 | TUBE,CAP,SPRAYER |
| 14 | 06520316 | 15 | HOSE,SPRAYER (FEET) |
| 15 | 06520317 | 5 | NOZZLE,SPRAYER |
| 16 | 06520319 | 4 | TIP,NOZZLE,SPRAYER |
| 17 | 06520320 | 4 | FILTER,NOZZLE,SPRAYER |
| 18 | 06520321 | 4 | NUT,NOZZLE,SPRAYER |
| 19 | 06520322 | 49 | CHAIN,.18" X 1.31" X 13LINKS |
| 20 | 06520381 | 1 | ADAPTER,1/4"NPT,WETCUT |
| 21 | 06520382 | 1 | ELBOW,BARB,3/8" X 1/4"NPT |
| 22 | 06520383 | 8 | SPACER,.50"O.D. X .252" I.D. X .38",NYLON |
| 23 | 32550 | 4 | U-BOLT,1/4" X 1" X 1" X 1-3/4" |
| 24 | 21527 | 29 | HEX NUT,NYLOCK,1/4",NC |
| 25 | 21528 | 12 | CAPSCREW,1/4" X 1/2",NC |
| 26 | 21529 | 13 | CAPSCREW,1/4" X 3/4",NC |
| 27 | 21625 | 11 | HEX NUT,3/8",NC |
| 28 | 21630 | 2 | CAPSCREW,3/8" X 1",NC |
| 29 | 21634 | 7 | CAPSCREW,3/8" X 2",NC |
| 30 | 21632 | 2 | CAPSCREW,3/8" X 1-1/2",NC |
| 31 | 21986 | 4 | LOCKWASHER,1/4" |
| 32 | 22014 | 15 | FLATWASHER,1/4" |
| 33 | 22016 | 9 | FLATWASHER,3/8",GR8 |
| 34 | 34698 | 6 | ROLL PIN, PLAIN, 3/16" X 7/8" |
| 35 | 35091 | 1 | CLAMP,HOSE #6 |
| 36 | 35176 | 4 | U-NUT,1/4",3/4" TO CENTER |
| 37 | 06520376 | 5 | CABLE,3/16" |
| 38 | 06537022 | 2 | U-BOLT,CABLE,3/16" |

COMMON SABER

WETCUT 60IN SPRAYER HEAD ASSEMBLY



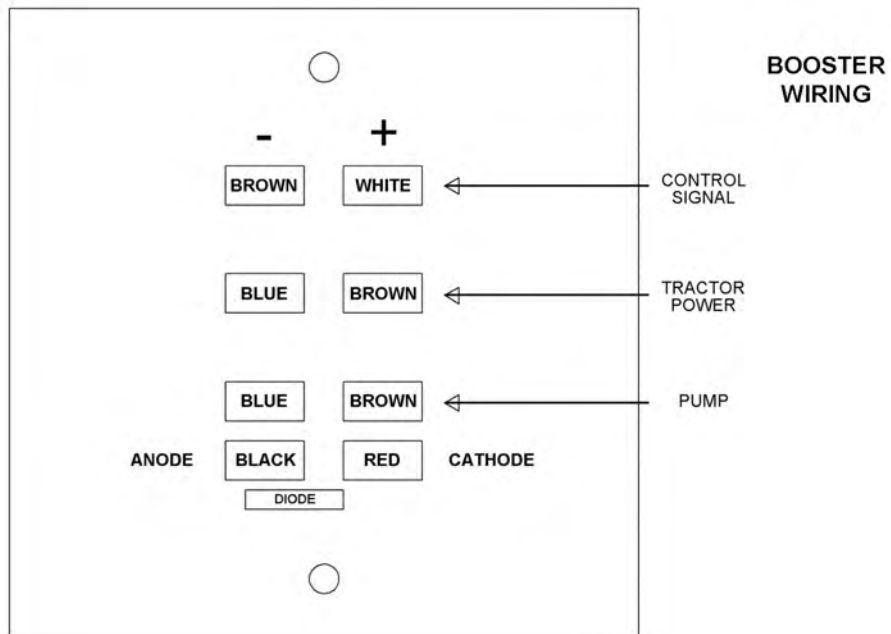
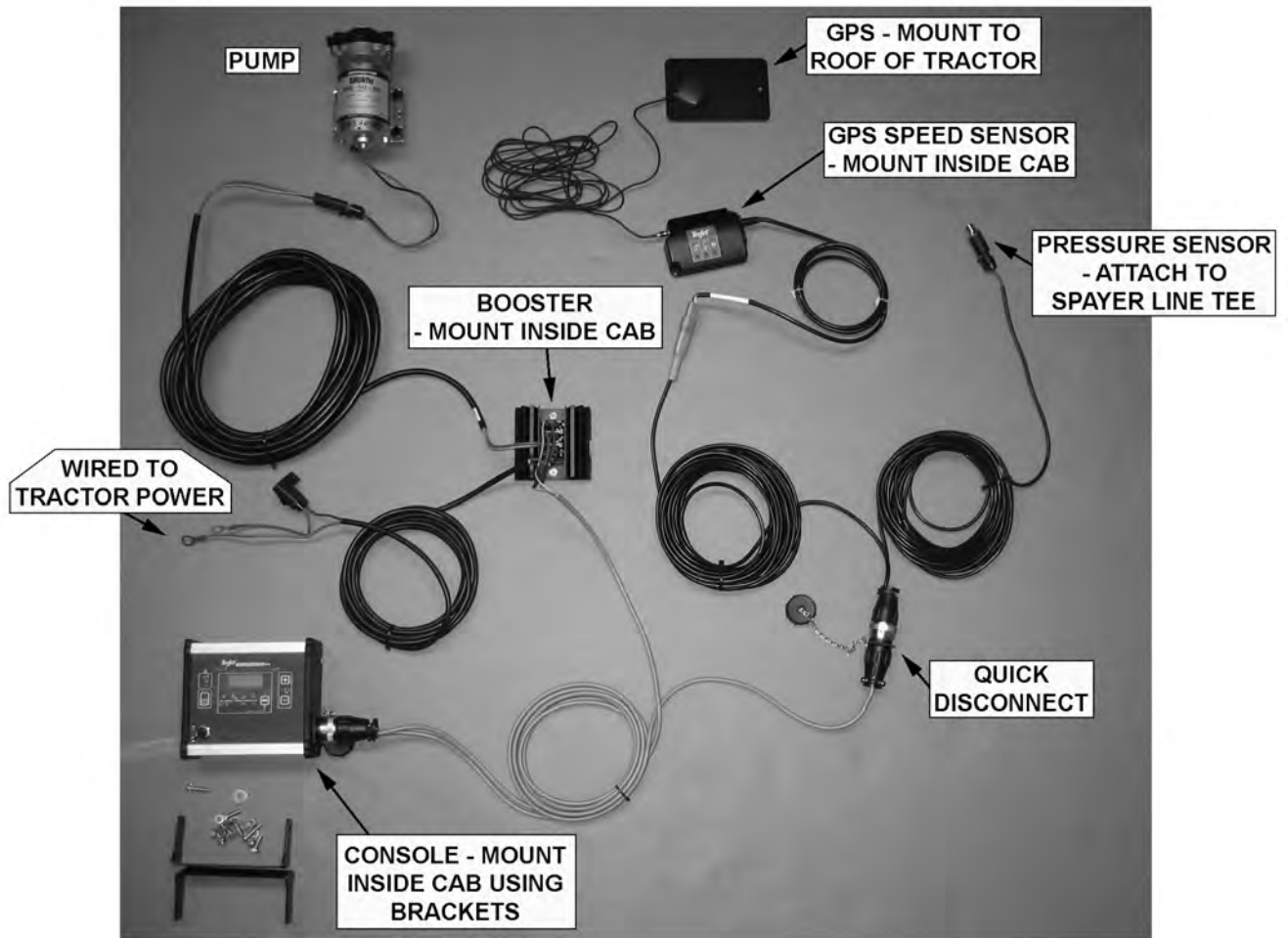
WETCUT 60IN SPRAYER HEAD ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06370210 | 1 | HOOD,SPRAYER |
| 2 | 06370106 | 1 | HINGE,LH,SPRAYER |
| 3 | 06370107 | 1 | HINGE,RH,SPRAYER |
| 4 | 06370108 | 1 | HINGE,CNTR,SPRAYER |
| 5 | 06411234 | 1 | GUARD,SPRAYER,WETCUT |
| 6 | 06410753 | 1 | MNT,RH,WET CUT (FLAIL) |
| --- | 06410942 | 1 | MNT,RH,WET CUT (ROTARY) |
| 7 | 06410754 | 1 | MNT,LH,WET CUT (FLAIL) |
| --- | 06410943 | 1 | MNT,LH,WET CUT (ROTARY) |
| 8 | 06410796 | 1 | GUARD,HOSE,WETCUT |
| 9 | 06420069 | 3 | PIN,HINGE,WET CUT |
| 10 | 06497009 | 1 | TUBE,LG,SPRAYER |
| 11 | 06499018 | 1 | SKIRT,ANTI SPRAY,60 |
| 12 | 06499013 | 2 | SKIRT,ANTI SPRAY,7 |
| 13 | 06520314 | 2 | TUBE,CAP,SPRAYER |
| 14 | 06520316 | 15 | HOSE,SPRAYER (FEET) |
| 15 | 06520317 | 6 | NOZZLE,SPRAYER |
| 16 | 06520319 | 5 | TIP,NOZZLE,SPRAYER |
| 17 | 06520320 | 5 | FILTER,NOZZLE,SPRAYER |
| 18 | 06520321 | 5 | NUT,NOZZLE,SPRAYER |
| 19 | 06520322 | 61 | CHAIN,.18" X 1.31" X 13LINKS |
| 20 | 06520381 | 1 | ADAPTER,1/4"NPT,WETCUT |
| 21 | 06520382 | 1 | ELBOW,BARB,3/8" X 1/4"NPT |
| 22 | 06520383 | 10 | SPACER,.50"O.D. X .252" I.D. X .38",NYLON |
| 23 | 32550 | 5 | U-BOLT,1/4" X 1" X 1" X 1-3/4" |
| 24 | 21527 | 33 | HEX NUT,NYLOCK,1/4",NC |
| 25 | 21528 | 15 | CAPSCREW,1/4" X 1/2",NC |
| 26 | 21529 | 13 | CAPSCREW,1/4" X 3/4",NC |
| 27 | 21625 | 13 | HEX NUT,3/8",NC |
| 28 | 21630 | 2 | CAPSCREW,3/8" X 1",NC |
| 29 | 21634 | 7 | CAPSCREW,3/8" X 2",NC |
| 30 | 21632 | 4 | CAPSCREW,3/8" X 1-1/2",NC |
| 31 | 21986 | 4 | LOCKWASHER,1/4" |
| 32 | 22014 | 33 | FLATWASHER,1/4" |
| 33 | 22016 | 11 | FLATWASHER,3/8",GR8 |
| 34 | 34698 | 6 | ROLL PIN, PLAIN, 3/16" X 7/8" |
| 35 | 35091 | 1 | CLAMP,HOSE #6 |
| 36 | 35176 | 4 | U-NUT,1/4",3/4" TO CENTER |
| 37 | 06520376 | 6 | CABLE,3/16" (FEET) |
| 38 | 06537022 | 2 | U-BOLT,CABLE,3/16" |

COMMON SABER

WETCUT CABLES



WARRANTY SECTION

WARRANTY INFORMATION

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

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

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

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

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

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE EXPRESSED HEREIN.

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

ONE LAST WORD

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



1012

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

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

TO THE OWNER / OPERATOR / DEALER



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

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

OWNER REQUIREMENTS:

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

OPERATOR REQUIREMENTS:

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



Printed in USA
© Tiger Corporation