

BENGAL ASSEMBLIES

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Tiger Corporation

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1-800-843-6849

1-605-336-7900

www.tiger-mowers.com

TO THE OWNER / OPERATOR / DEALER

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BEFORE YOU START!! Ü^æåÁs@Áaæ^ĉÁ; ^••æ*^•Á;}Ás@Áa[]|^{ ^}oÁæ;åÁa@;}ÁAjÁs@áÁ;æ)*æ\È Uà•^¦ç^Ás@Á`|^•Á;Æ^ĉÁæ}åÁ•^Á&[{ { [}Á^}•^Â

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



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



2. NO RIDERS, NO CHILDREN OPERATORS.



3. USE SAFETY SHOES. HARD HAT, SAFETY GLASSES, SEAT BELTS, **ROPS & OPS**

4. BLOCK UP SECURELY **BEFORE WORKING** UNDER



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



6. USE SMV. LIGHTS. & REFLECTORS.



7. DO NOT OPERATE WITH CUTTER OR WING RAISED.



8. DO NOT MOUNT OR **DISMOUNT WHILE** MOVING

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 lo	cal Tiger D	ealer at	fter
	gathering:				
	 Machine model 				

• 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:	DISTRIBUTED BY:
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This symbol means: CAUTION – YOUR SAFETY IS AT RISK!

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

Tiger is a registered trademark.





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 <u>YOU</u>. Only <u>YOU</u> can prevent serious injury or death from unsafe practices.

A DANGER

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

AWARNING

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

A CAUTION

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

Important

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

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

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



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

Operator Safety



▲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:

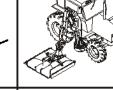
- DO NOT EXCEED IMPLEMENT RATED PTO SPEED
- AVOID exceeding rated PTO speeds that may result in broken drivelines or blade failures.

SAFETY SIGNS:

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

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.

AWARNING

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

CONNECTING OR DISCONNECTING IMPLEMENT SAFETY







Crushing Hazard Do Not get under boom when connecting mower head to boom



Stability Hazard Ensure 20% of tractor weight is on front wheels



Stability Hazard
Ensure 1500lbs down
force on left tire with
boom extended



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.

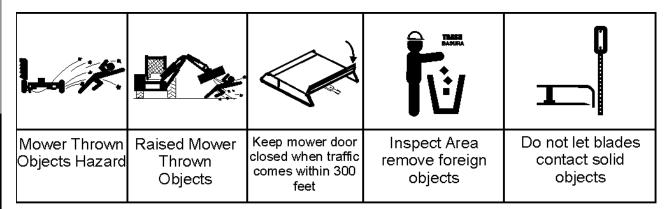
TO AVOID broken driveline during operations:

- 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

THROWN OBJECTS HAZARDS





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.

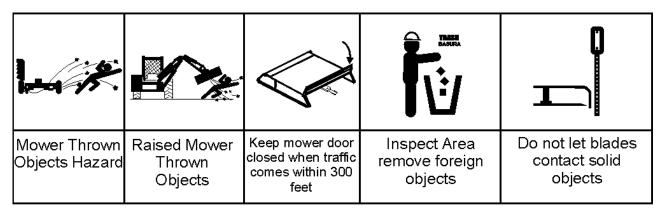
MOWER THROWN OBJECT SHIELDING:

- **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*

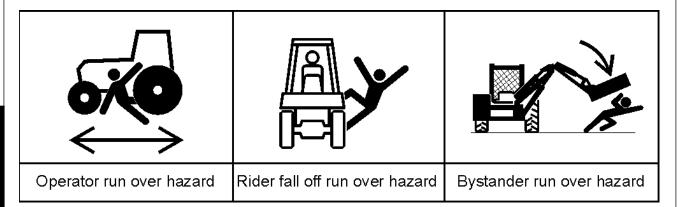
THROWN OBJECTS HAZARDS (Continued)



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.
 - 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.
 - INSPECT mower for vibration source.
 - 3. REPLACE any damage parts and bent or damaged BLADES. PN TOBM-02

RUN OVER HAZARDS





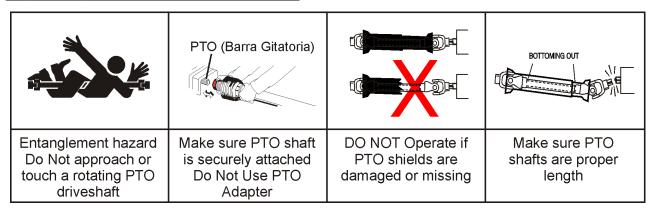
TO AVOID SERIOUS INJURY OR DEATH FROM FALLING OFF TRACTOR OR EQUIPMENT RUN OVER:

- 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

PTO ENTANGLEMENT HAZARDS





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:

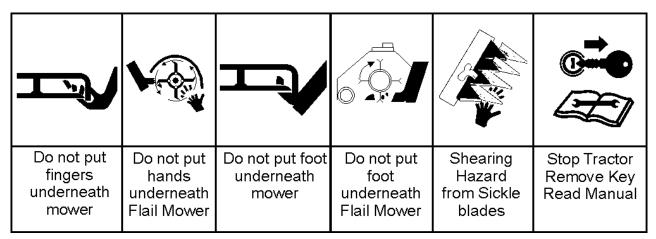
- CHECK driveline for proper length between PTO shaft and implement gearbox shaft. (Refer to Instructions in Operation Section)
- Drivelines too short can pull apart or disengage.
- Drivelines too long can bottom out.
 - Bottoming driveline telescoping assembly will stop sliding and become solid.
- Driveline 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 PEO1

MOWER BLADE CONTACT HAZARDS





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

HIGH PRESSURE OIL LEAK HAZARD



High pressure oil penetrating skin



High pressure oil eroding skin



Using cardboard to check for oil leaks



Tank contents under pressure. Allow oil to cool before slowly removing cap



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

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

HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE.

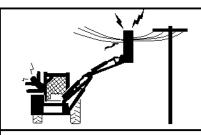
WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:

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

Use caution when removing Hydraulic Tank cap.

- Tank 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

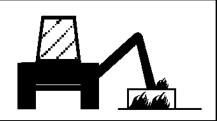
ELECTRICAL & FIRE HAZARDS



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



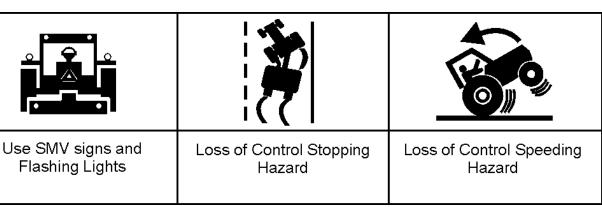
TO AVOID SERIOUS INJURY OR DEATH FROM ELECTRICAL CONTACT WHEN WORKING AROUND ELECTRICAL POWER LINES, GAS LINES AND UTILITY LINES:

- **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

TRANSPORTING HAZARDS



AWARNING

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 TURING 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:

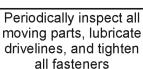
- Always WEAR SEAT BELT when operating or transporting mower.
- USE low speeds to avoid overturn with raised wings.
- USE low speeds and gradual steering on curves, hills, rough or uneven surfaces and on wet roads.
- TURN ON tractor FLASHING WARNING LIGHTS.
- ALLOW clearance for implement swing while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

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

воом

HAZARDS WITH MAINTENANCE OF IMPLEMENT







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*

BOOM

Safety Section 1-14

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

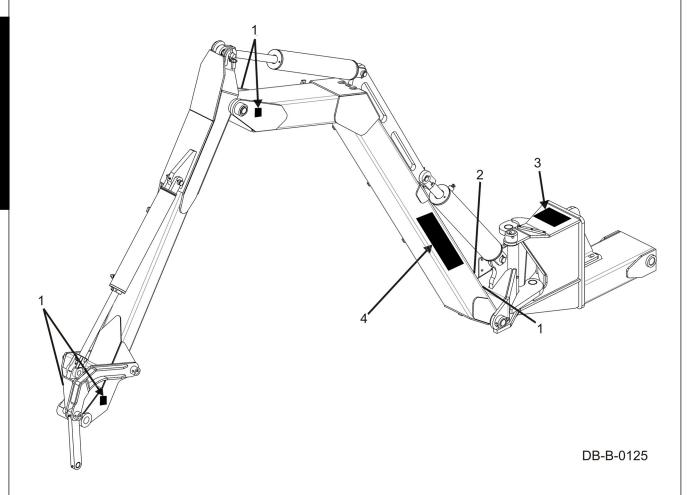


www.algqr.com/tpm

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.

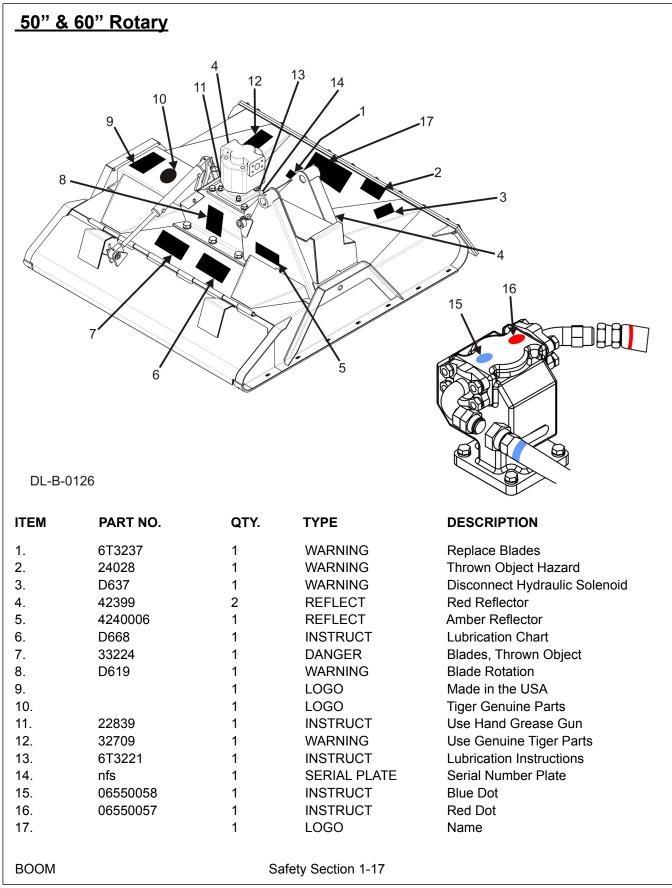
Boom Arm

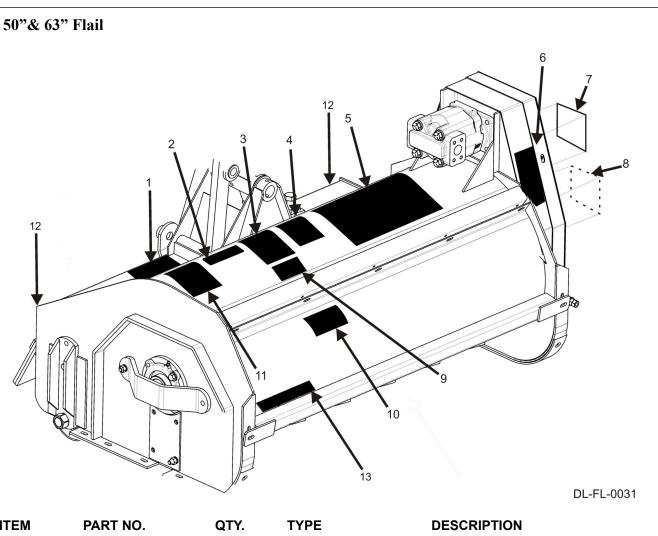


ITEM	PART NO.	QTY.	TYPE	DESCRIPTION
1.	02962764	5	WARNING	Pinch Points
2.	02965262	1	WARNING	Hydraulic Oil Hazard
3.	02962765	1	DANGER	Crushing Hazard
4.		1	LOGO	Name

BOOM

Safety Section 1-16





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		Sa	afety Section 1-18	



AWARNING





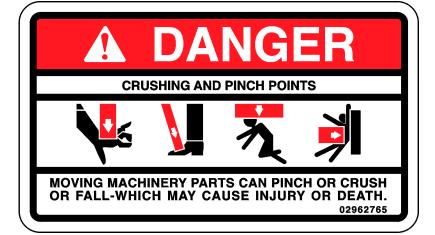


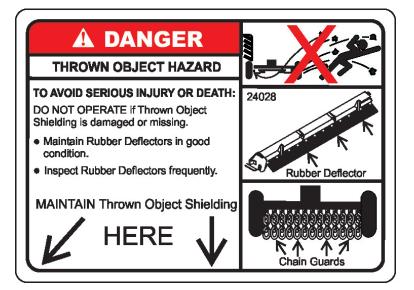
TO AVOID SERIOUS INJURY OR DEATH FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENETRATING SKIN:

- 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:

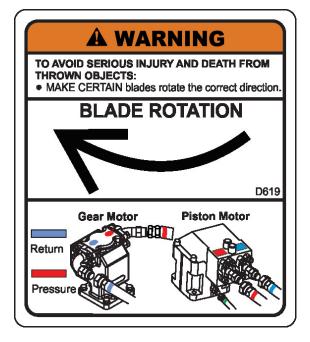
- DO NOT use hands to check for leaks.
- ALWAYS WEAR safety glasses and impenetrable gloves.
- USE paper or cardboard to search for leaks.
- KEEP hands and body AWAY from pin holes and nozzles ejecting hydraulic fluid.
- Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor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









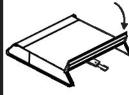


BOOM

Safety Section 1-20









THROWN OBJECTS HAZARD

Mower can throw objects up to 300 feet. TO AVOID SERIOUS INJURY OR DEATH to operator or bystanders:

- 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



- 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.

A 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

Practices for Mowers.

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.alggr.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

32709 2



AWARNING

PINCH POINT HAZARD

TO AVOID SERIOUS INJURY:

 DO NOT OPERATE with Belt Shield removed. 00758194





A DANGER

THROWN OBJECTS HAZARD

Mower can throw objects up to 300 feet. TO AVOID SERIOUS INJURY OR DEATH to operator or bystanders:

- DO NOT operate with Shield removed.
- KEEP Shield in place and in good condition during operation.

Tb1011

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.

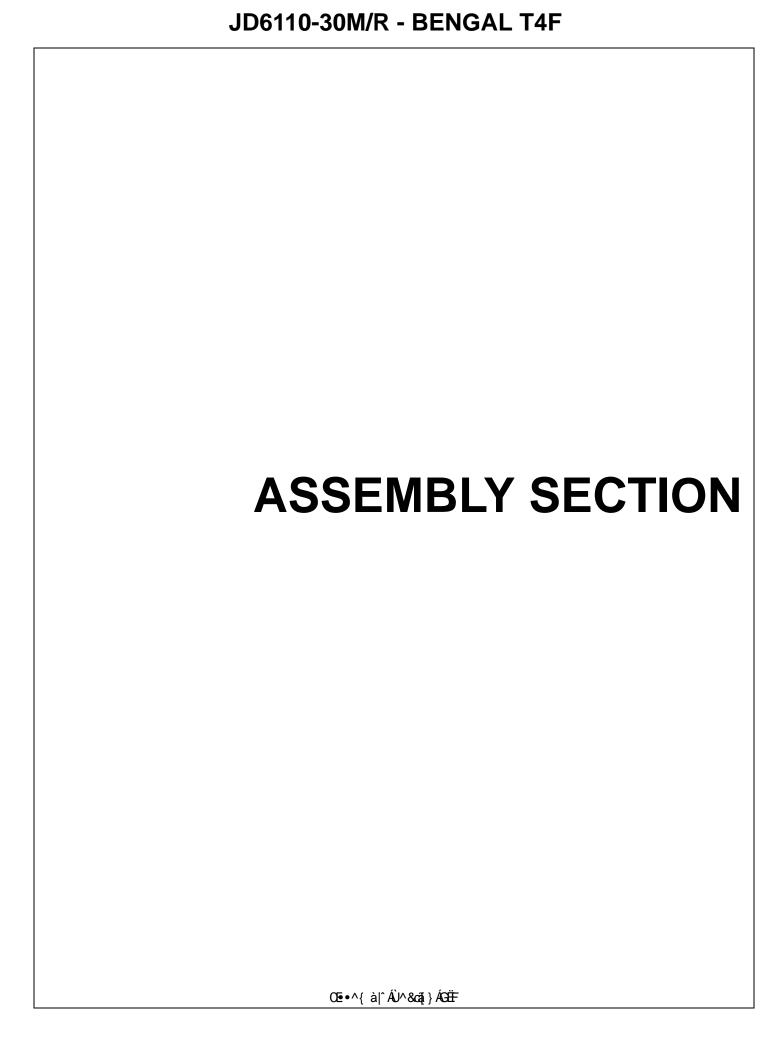
Employer Responsibilities:

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.)



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.

≜WARNING

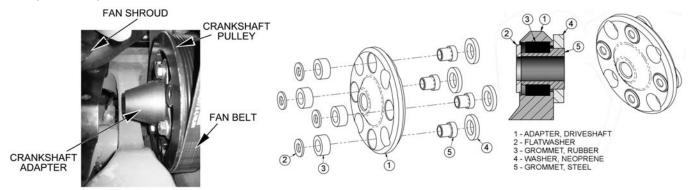
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TRACTOR PREPARATION

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CRANKSHAFT ADAPTER



FRONT CRANKSHAFT PULLEY

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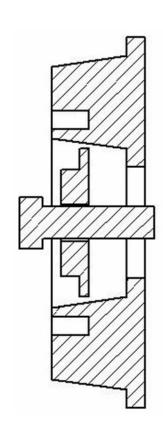
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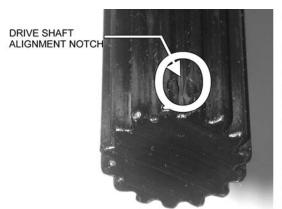
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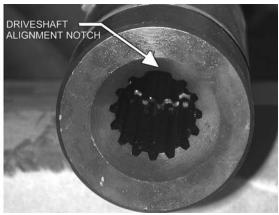
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(ASM-JD-0080)

DRIVESHAFT AND FRONT PUMP MOUNTING

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

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POLYCARBONATE SAFETY WINDOW



MAINFRAME INSTALLATION

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SWITCHBOX WIRING

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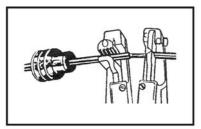
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WEATHER-PACK / METRI-PACK ASSEMBLY

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

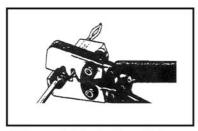
(ASM-C-0009)



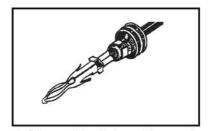
1. Apply seal to cable, before stripping insulation



2. Align seal with cable insulation.

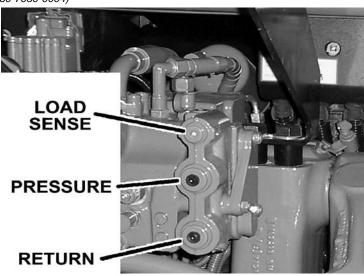


3. Put terminal in crimping tool, then position wire and seal in place.



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

HYDRAULIC PORTS



PRESSURE LINE INSTALLATION

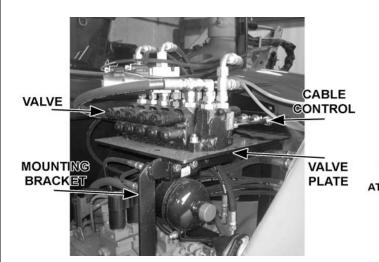
RETURN LINE INSTALLATION

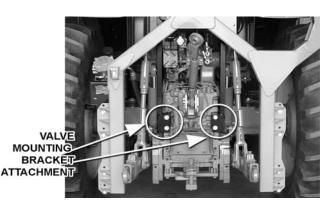
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LOAD SENSE LINE INSTALLATION

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VALVE MOUNTING





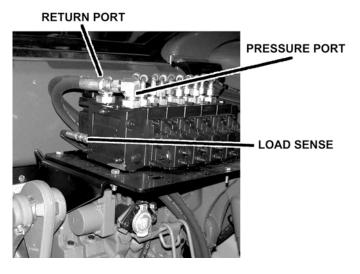
NOTE ON HUSCO CONTROL VALVES



ELECTRONIC LIFT VALVE PORTS

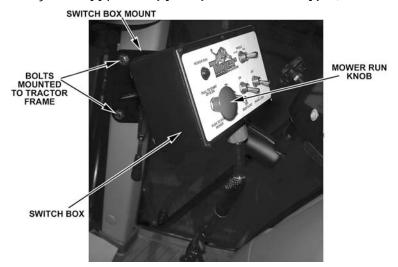
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DANFOSS VALVE



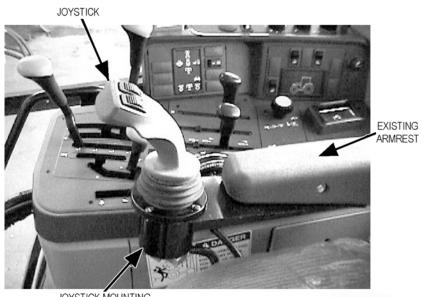
JOYSTICK SWITCHBOX MOUNTING

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JOYSTICK CONTROL MOUNTING

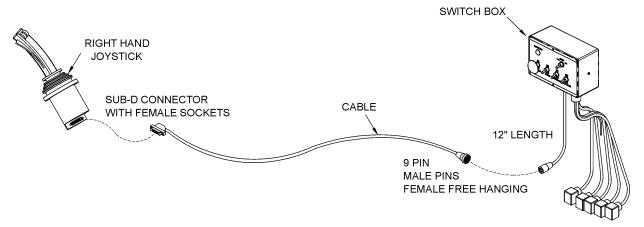
T[`} cal * Ác@ Ábs^• cab\ Á&s} d[|Á¦^``ā^• Ác@aank@ Á¦ā* @xÁæk{ ¦^• ck\ ^ Á{ [åãað\åÁæk}åÁæk}åÁæk æååããã} æÁ妿&\^oÁæææ&@åÁq Áæ&&[{ [åææ^Ás@Áp^•oæ&\ÈÁV@Áæd{¦^•oÁ; *•oÁs^Á^{[ç^åÁs^ • |aãa] * Á, --Ás@ Á, |aæ cað Ás[ç^! Áse) å Á^{ [çā] * Ás@ Ásae] • &!^ Á![{ Ás@ Á| ^!Áa @ Á aã^Á Áo Án -Ás@ Á. V@āÁ,ālÁn/æcn^Ás@ Áæd{ ¦n•oÁn[•nÁn[ÁãoÁsæ) ÁánÁn{[çnå ĒÁN]}&nÁs@ Áæd{ ¦n•oÁã Án{[çnå ĒÁ|æ&n c@ Áti ^ • cast Áq | å ^ | Á } å ^ | Ác@ Áæ { | ^ • cfé [Ác@ Áā å ^ } cæat } Át } Ác@ Át ~ ó aå ^ Át ~ Ác@ Áæ { | ^ • cfé | |ā^åÁ]Áã@Á@Á@Á@|^ÁB;Ás@Áæ{ \^•OÁs\æ&\^oÁ@&@Ásæ4•&\^,Áã|Á^^åÁfÁæ•Ás@[**@È U} &^ Ác@^ Áæ\^Ájā ^åÁ`] ÉÁÁ; æ\ Ác@ Áæ{ !^• cÁ, @ !^Ác@ Á@ |^Áj æ•^• Ác@[`* @Ác@ Áæ{ !^• c à | æ&\ ^ c£ÁÓDAFEG +Á@ | ^Á\ * • cÁà^Á& | a|\^åÁo@ | * * @Ác@ Áæ\ | ^ • cÁ | Á c@æÁc@ Áæ\ æ&\ ^ cÁ&æ) Áæ^ •^&`\^åÈÁOEe^\Áo@Áā, ãããæÁFBOÁQ |^Áā, Áå| āl|^åÊÁ\} Áo@Áā, •ãå^Á, Áo@Áæ{ \^•oÁo@ÁQ |^Á, `•oÁà^ &`cÁg ÁæÁad*^¦Ábãæé ^c^¦Á]Ág Áo@Á, ^cæÁj læe^Ág Áo@Áæ{ ¦^•dÊA[Áo@æÁæÁ]æ&^¦Áæð åÁ@¢Á,`c &æ}Áà^Áæec^}^åÁfÁœAæd•&l^_Á @&@Áad; allÁ^&* \^Áo@Áà;æ&\^dÉMQ•æd|Áo@Áæd{ \^•oÁà;æ&\^c [} Ás@ Ásel{ |^• cÁ, ãc@Ás@ Á@elå, æl^Á, @]} Ásp Ás@ ÁÚæle• ÁÚ^8cā[} ÈÁÚ} &^ Ás@ Ás! æs\ ^ c⁄sp Ásp• æl|^åÊ ¦^Ëæncæ&@Áœ@Áæd{¦^•oÁn;Ác@∕Á•^ædÁ•ã;*Ác@Á^¢ã;cã;*Áœdå;æd^Á;¦^çã;ĭ•|^Á/^{[ç^å ÉÁÁV@}} ā • cællÁc@ Áti ^ • cæll Ás@ Ási Ás@ Ási læsl ^ cÁ ão@Ác@ Á æsl@a ^ Á • sl^ . • Á @ . } Ási Ás@ Áúætc • Áù^scái } È Ü[ĭc^Ác@^Á|ãoÁcætc^Á, āl^•Á+]{ Ás@^Á•, ãn&@a[¢Ác@[ĭ*@Ác@^Á&æàAæ)åA[ĭoÁc@^Áàæ&\Á;ājå[¸È Ô[c^¦Á ão@Á&[}å ãoÁse}åÁ^&:\^Á ão@Ásã\•Á;\Á&|æ{]•ÁseÁ,^&^••æ\ÊÁ\ASM-JD-0082)



JOYSTICK MOUNTING BRACKET

BOOM JOYSTICK CONTROL CALIBRATION

SUB-D



▲ CAUTION V@ Áŋ ˆ• câ& Á&[} d[|Áē Ánˇ ǎ] ^ å Á¸ ãc@Á ã } æþÁæåæj cāj } Áj[♂ } cāj { ^ ♂ ¦• ÈÁ

 $V@ \bullet ^ \acute{A}] \mid [çãa ^ \acute{A}c@ \acute{A}sa] aà ā āāc \acute{A}c \acute{A} å ā ā āāc ā \acute{A}c \acute{A}a å ā ā ā ā ā \acute{A}c \acute{A}c @ \acute{A}c @$

BOOM JOYSTICK CONTROL CALIBRATION (CONTINUED)

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Set the dead band compensation potentiometer first.

Ù^oÁo@ Á&^æå Áàæ) å Á&[{]^}•ææā[}Á][ơ}ơā[{^ơ¦Áææ/Í.€Ã ĐÁ;¦Á@æ∳¸æîÁà^ç,^^}Áˇ||Á&|[&\¸ã*^Áæ) å ~`||Á&[ˇ}ơ¦&|[&\¸ã*^È

Setting Signal Adaptation Potentiometers:

\(\text{O}\) \(\text{8}\) \\(\text{8}\) \(\text{0}\) \(\



BOOM JOYSTICK CONTROL CALIBRATION (CONTINUED)

MAIN BOOM: %0\(\hat{\O}\)(\|\left(\frac{\O}{\O}\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\O}\)\)(\|\left(\frac{\O}{\

(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.)

%D+ÁÚ[¦dÉÓ[[{ÁÖ[]}K ÎËLÁÙ^&[}å•

(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

BOOMKÁÁÁ %GEÁÚ[¦ŒÁÓ[[{ÁÚ ČK ÌËF€ÂÛ^&[}å•

(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.) \upMathbb{M}

%Ó +ÁÚ[¦dÊÓ[[{ÁQìK ÌËF€ÁÙ^&[}å•

(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: %Q₹ÁÚ[¦dÉÖ^&\ÁÚ*dK Ï ЁJÂÛ^&[}å•

(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.)

"MOHÁU[¦ ŒÖ^&\ ÁQ KÁWWWWWWWWWWW a* ^ OÁ ĒJ ÁÙ^&[} å• ÁQa ` OÖU Á¤UVÁ• ^ Æã ãÁÙ&\ ^, 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: %GEÁÚ[¦dÊÓ[[{ÁOEdÁWWWWW.FIËFÎÁÙ^&[}å•Á[¦ÁHÚÙÊÁHUÙÊÂÛÙ

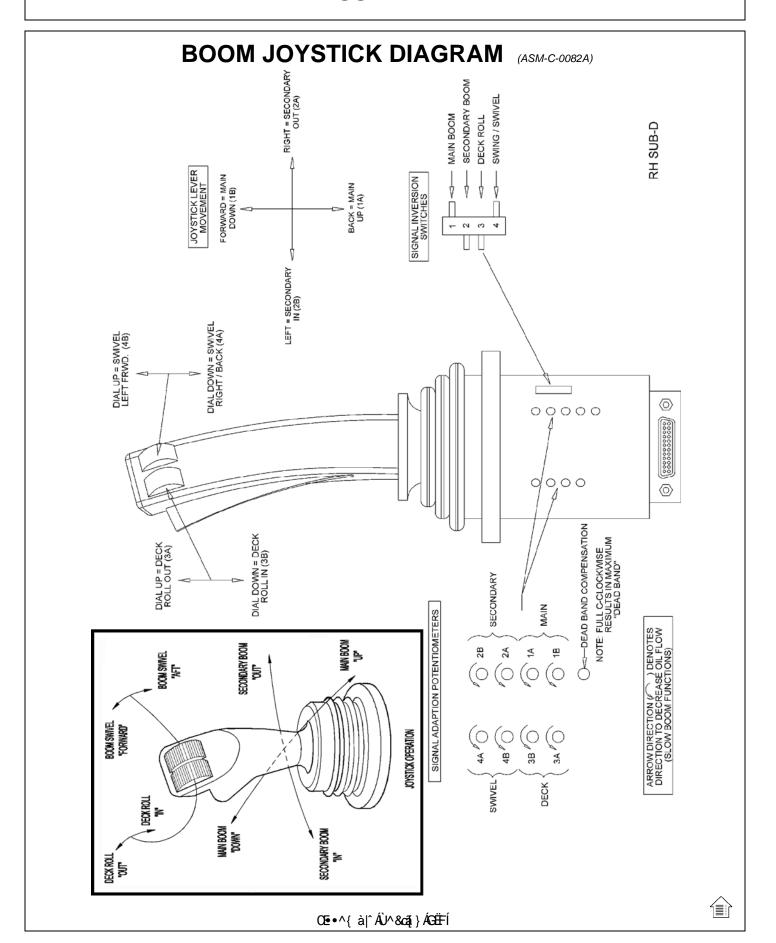
(Extend booms completely; rotate head to be level with ground, lower main boom until deck is just above ground, and swivel boom full forward. Then index the boom swivel "aft" function and determine the time required for the boom to swivel full aft. Use caution when doing this, stop boom before main boom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

 $\label{eq:condition} $$ \hat{A}_{0}^{-1}(\cdot) = \hat{A}_{$

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

(ASM-C-0082)





REAR STOW BENGAL HOSE ROUTING

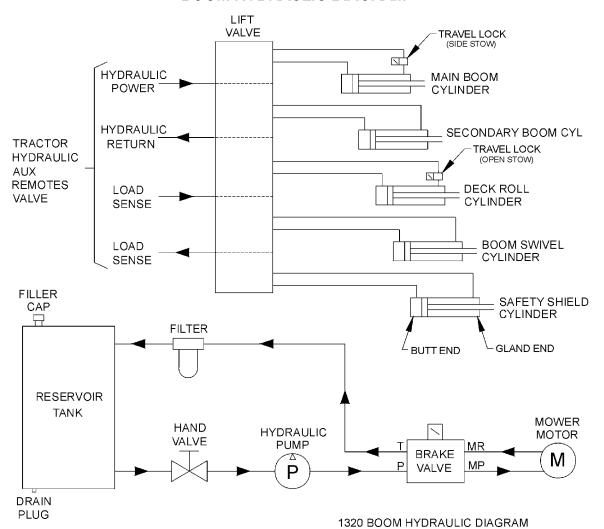
WARNING NOTE:ÁV@Á•ˇåå^}Á¦^|^æ•^Á;Á@妿ĕ|æ&Á]¦^••ˇ¦^Á&[ˇ|åÁ&æĕ•^Ás@Á*ˇåå^}
{ [ç^{ ^} ơḥ శ•̞^\^Â@æ•̞^Á;æd•ĒÁŒ;^[}^Áş Ás@∮æÁ;Áæ••^Á;æ•o-Á;æd•Æ[ˇ|åÆa^Á•o-ç^\^|^Á@¦ơḥ!Áā|\^åÈ
ÖUÁÞUVÁŒŠŠUY Ás@•^Á@妿ĕ|æÁ@•^•Áţ ÁÓÜÒŒSÁ;¦ÁÓWÜÙVĒÁŢÁ;¦^ç^}ơÁ@妿ĕ|æÁæājˇ¦^Á;æà^
•ˇ¦^Ác@Á@•^•Æ[Á;[ơḥā;&@Á;¦Árd^c&@Áæ•Áà[[{Á;[ç^•ĒÁT^æ•ˇ|^ÁVY đÔÒĒ&@&\ÁVY đÔÒÁc@}]
];[&^^åÁ;ãæÆææ cā;}È





(ASM-C-0023)

BOOM HYDRAULIC DIAGRAM



WHEEL WELL HYDRAULIC TANK INSTALLATION

 $Q \bullet cad|Aad|Aacaa_* \bullet Aad) a^*Aa^* \bullet Aad) a^*Aacaa_* Aadaa_* Aadaaa_* Aadaa_* Aadaa_$

Ú | æ& ^ Ás@ Ásæ) \Á\$, Ás@ Á; [ˇ} cā) * Ás | æ& \ ^ cÁ; } Ás@ Ásæ; | ^ Ás | æ& ^ Ásæ Á; @; } Á\$, Ás@ ÁÚæ; o ÁÚ ^ & cā; } ÈÁ\ Ù ^ & ` | ^ Ás@ Ásæ) \Á, ãs@ Ásæ; à æ ^ Á; | [çãs ^ å È

WHEEL SPACERS

FILLING HYDRAULIC RESERVOIR

Ü^~\Á(Ás@ ÁT æā, c^) æ) &^ÁÙ^&cā(} Á(¦Áā||ā, *Á) ^&ã&ææā(} •Áæ, åÁ@ 妿 |æ, åÁ^~~ ã^{ ^} æ` |æ

NOTE: Starting or running your Tiger mower before filling reservoir will cause serious damage to the hydraulic pump.

(ASM-C-0004hydro resrv)

INSTALLING O-RING FITTINGS

Q.• cæ|ā, * Á dæā @ÉÁ Í óÁæ; åÁJ€ÓÁUËā, * •Á^` ā^•Ás@æÁs@ÁUËā, * Áæ; åÁ, æ @ ¦Áæ^Á] Áæť æā, • oÁœ • ¸ãç^|Áa[å ÈÁQ)• ^ loÁs@Á ¸ãç^|Áæ; åÁš ¦} Áāj Á } cāļÁs@Á ¸ãç^|Æa; Á; [ā, c^åÁāj Ás@Áa^•ã^åÁaā^8cāj, }Áæ; åÁUË |ā, *Á&[} cæ&óÁæ Á; æå^ÈÁRP[|åÁ ¸ãç^ |Áāj Áa^oÁa āa^8cāj, }Á¸ãc@ÁæÁ; |^} &@Áæ; åÁč |} Ác@ÁUËā, *Á; ŏÁæ; æê -↓[{ Ás@Á ¸ãc^|Áa[å Áæ; åÁ&æò^~ ||^Áāf @^}} ÈÁ(ASM-C-0056)

INSTALLING NATIONAL PIPE FITTINGS

PREFORMED TUBE INSTALLATION

 $\tilde{S} \stackrel{\triangle}{a} = \tilde{A}_{1} \left[\left\{ \begin{array}{c} \hat{A}_{1} \right\} \stackrel{\triangle}{A} \left[\left[\left\{ \begin{array}{c} \hat{A}_{2} \right\} \stackrel{\triangle}{A} \right] \stackrel{\triangle}{a} \stackrel{\triangle}{a}$

GENERAL HOSE INSTALLATION

HOSE COVERING

U} Å; [} ËBæàÁ} ão ÉKo@Á; |^••• |^Áæ} åÁ^c; |} Á@•^•ÀÍ; [{ Áxo@Á&[} d[|Áçæ|ç^Á; ā|Áæ† [Á; ^^åÁ; Áà^ |[` c^åÁ§•ão^Áxo@Á; |[c^8cāç^ÁÁQ•^Á; |æ] ĚÁÔ[ç^|Áxo@Áçæ|ç^Áæ) åÁşæ|ç^Áãæ; *•Á; ãxo@ko@ÁQ•^Á&[ç^| æ) åÁ^8; |^Á ãxo@ko@Ádā*Á; |[cãa^åĚÁASM-C-0058)

ACCUMULATOR INSTALLATION

SOLENOID BRAKE VALVE

TEMPERATURE GAUGE MOUNTING QUÚVOU ÞOSĎD

 $T[`] \circ \acute{h} @ \acute{h} \land [] \land [ae] \land \acute{h} = * \land \acute{h} @ \land \acute{h} = * \land \acute{h} @ \land \acute{h} \land [Ae] \land [Ae]$

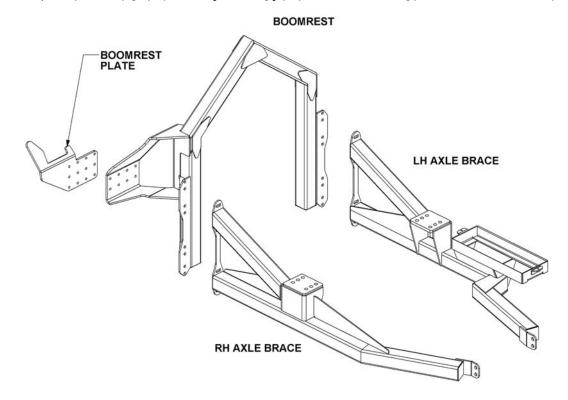
WHEEL WEIGHT MOUNTING

②[|Áæ|Ádæ&æ[|•Á•ā]*ÁæÁa[[{Á, [¸^|ĒæÁ, @^|Á,^ā @Á, ā|Áa^Á^``ā^åÁ[|ÁœÁ^æÁ^-æÁāa^Á ¸@^|ĒÁæÁ, ā|Áa^Á,^&^•æÁa Á, á| [`}œÁœÁ, ^ā æÁa ÁœÁ, @^|Á•ā]*ÁæÁ, å|Áa^Á,^&^•æÁa é&A, •ĒÁ [[&\, æ@!•ĒÁ|ææ;æ@!•ĒÁ]æ&^!•ÁæÁæ]]|æææ|^DĒæà)åÁ@¢Á,`œÁ,^kæÆåäæť|æÆÁa,ÁæÆÁæÅbæð ÁUæd¢Á
U^&æ]}È

Q• cæ|ææā] ÁārÁ; [• cÁ\æ• âî Áå[} ^ Á¸ āc@ÁæÁ; |\ ÁācĒÁB¸ • ^ l cā] * ÁæÁ; |\ ÁB, Ás@ Á&^} c^ l Á|[cÁ; Ás@ Á¸ @^ |Á ¸ ^ā @ĒÁV@ Á@ æåÁ, Ás@ Á&æ] • &l ^¸ • ÆrÁ; Ás/Á; ¸ æå Ás@ ÁU WWÙOÖÒÁ, Ás@ Á¸ ^ā @ĒÁ¸ āc@Áļæç, æ• @ l• Á [} Áā[c@Ás@ ÁB¸ • ãā^Áæ} åÁ; ° ōã^Á; Ás@ Áæ• • ^{ à|^ È

\(\text{\@}\frac{\phi}\rangle \frac{\phi}{\phi}\rangle \frac{\phi}{\phi

OS AXLE BRACE MOUNTING



OS BOOMREST MOUNTING

 $\hat{O}_{ab} \wedge \hat{A}_{ab} \wedge \hat{A$

DECK ATTACHMENT

 $V@A_{1}\tilde{a}c[adae \bullet \land \{a|^A_{2}A_{3}\bullet \land \bullet \land aA_{4}A_{4}\bullet \land aA_{4}A_{4}\bullet \land aA_{4}\bullet \land$

MAIN BOOM INSTALLATION

 $\begin{array}{c} \textbf{Channels} @ \textbf{A} @ \textbf{A} & \textbf$

 $\mathbb{Q} \bullet \text{cad} | \text{Asc} \land \text{A$

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



FINAL PREPARATION FOR OPERATION

≜WARNING

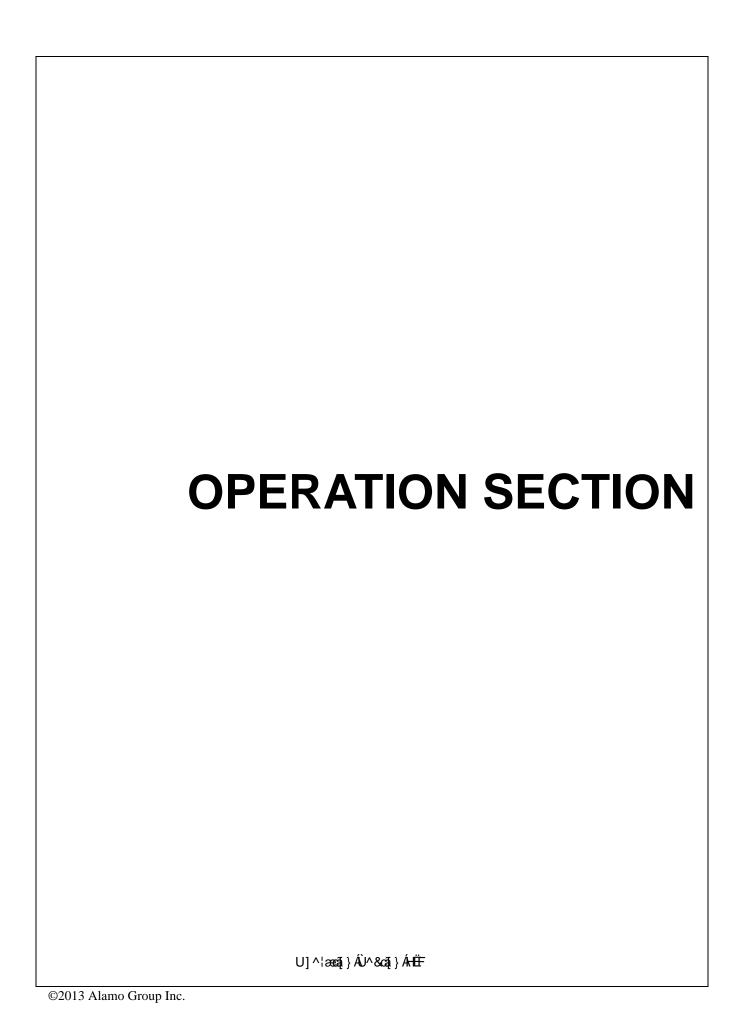
ÓÒ 20 UÜÒ Á cælcā; * Á; lÁ;] ^ lææā; * Ás@ Ádæ&c[lÁ[ˇÁ; ˇ• cÁ ^æå Áæ); å Á; è cæ); å Ás@ Á Ùæ ^ c` Áæ); å ÁU] ^ lææā; } ÁÙ ^ &cā; } • Á; -Ás@ã Á; æ); ǎæþ Æ[{] | ^ c^ | È

 $Q\hat{h}_{\overline{b}}\hat{h} \wedge a\hat{h}_{\overline{b}}\hat{h} \wedge a\hat{h}_{\overline{b}}\hat{h$

MOWER TESTING

 $\label{eq:label_label} $$ \end{cases} $$ $$ \end{cases} $$ \end{cases} $$ $$ \end{cases} $$ \end{cases} $$ $$ \end{cases} $$$

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



TIGER BOOM MOWER OPERATING INSTRUCTIONS

 $\begin{array}{l} \text{Q\'e} \hat{\textbf{A}} \hat{\textbf{A}}} \hat{\textbf{A}} \hat{\textbf{A}$

 $V@ \acute{A} \wedge \& \acute{a} \} \acute{A}_{i} - \& @ \acute{A}_{i}] \wedge |ae[| e / \acute{A}_{i} \Rightarrow a / \acute{a}_{i} \wedge e / å] \wedge \& \acute{a}_{i} \wedge e / \& \& ee / \acute{A}_{i}] \wedge |ae[| e / \acute{A}_{i} \wedge e / \& e$

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. $Q\hat{A} = A\hat{A} = A$

\(\tilde{



A PELIGRO

UãA) [A/^A§ * |^• EB) ãã æAscê ઁåæAscAsce * ã^} A ઁ^A ãA[A/æA] æbæA ઁ^A/A æå č : &æAæ { ^å ãã æe Áå^Á^* č ¦ãã æå Èciōë⇔



 $O[[\{U]^{k}aaa_{i}\}A\hat{U}^{k}aa_{i}\}A\hat{H}^{E}G$

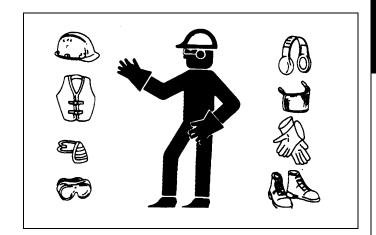
1.OPERATOR REQUIREMENTS

 $\begin{array}{l} Q\hat{h}@A[]^{+}ae[|A\&a]\}[o\hat{A}^{-}aa\hat{h}a@A[]^{+}ae[|A\&a]\}[o\hat{A}^{-}aa\hat{h}a@A[]^{+}aea[]A[A@A[]^{-}aea[]A[A@A[]^{+}aea[]A[A@A[]^{+}aea[]A[A@A[]^{+}aea[]A[A@A[]^{+}aea[]A[A[A]^{-}aaA[Aa]^{+}aea[]A[A[A]^{-}aaA[Aa]^{+}aea[]A[A[A]^{-}aaA[Aa]^{+}aea[]A[A[A]^{-}aaA[Aa]^{+}aea[]A[A[A]^{-}aaA[Aa]^{+}aea[A[A]^{-}aea[]A[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[]^{+}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[]^{+}aea[A[A]^{-}aea[]^{+}aea[]^{+}aea[]^{+}aea[A[A]^{-}aea[]^{+}a$

Ùæ^Á;]^¦æā;}Á;Á^``ā;{ ^} œÁ^``ā] { ^} œÁœæÁœÆÁ;]^¦æē;¦Á; ^æÁæð;]¦[ç^åÁÚ^!•[}æþÁÚ|[ơ\&æā;^ÁÒ``ā] { ^} œÁÇÚÚÒ[--{¦Ác@ÁşàÁs[}åāā;}•Á; @}Áæææ&@;*ÉÄ;]^¦ææ;;*ÉÄ-^¦çã&ā;*ÉÆ-à;åÁ^]æā;ā;*Ác@Á\``ā] { ^} œÉÁÚÚÒÆ-Áà^•ā*}^åÁq]¦[çãå^Á;]^¦æē[¦Á;|[ơ\&cā;}Áæ)åÁş&|å°-Ác@Á[||[¸ā;*Áæ-ô;Á;^æK

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- " Off, æê•ÁY^æ\ÂÛæ^ĉ ÁÕ|æ•^•
- ″ PælåÆPænc
- ″ Ùc^^|Á/[^ÁÛæ^c^ÁØ[[ç^æl
- ″ Õ∥ç^•
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2.TRACTOR REQUIREMENTS

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Tractor Requirements and Capabilities

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AWARNING





2.2 Operator Thrown Object Protection

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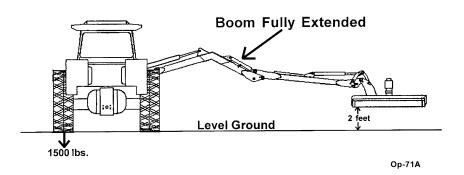
2.3 Tractor Lighting and SMV Emblem

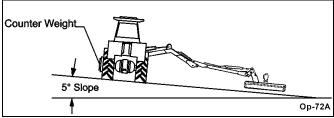
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2.4 Tractor Ballast





3.GETTING ON AND OFF THE TRACTOR

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3.1 Boarding the Tractor

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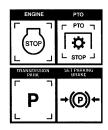
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3.2 Dismounting the Tractor



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4.STARTING THE TRACTOR

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5.CONNECTING ATTACHING HEADS TO THE BOOM

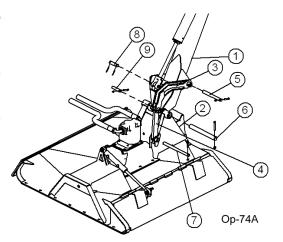
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6.PRE-OPERATION INSPECTION AND SERVICE

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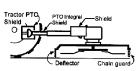
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6.1 Tractor Pre-Operation Inspection/Service

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6.2 Boom Unit Pre-Operation Inspection and Service

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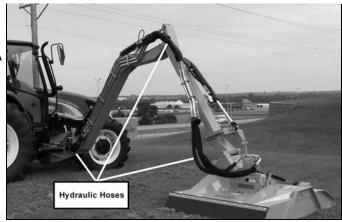
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AWARNING



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AWARNING

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AWARNING

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AWARNING

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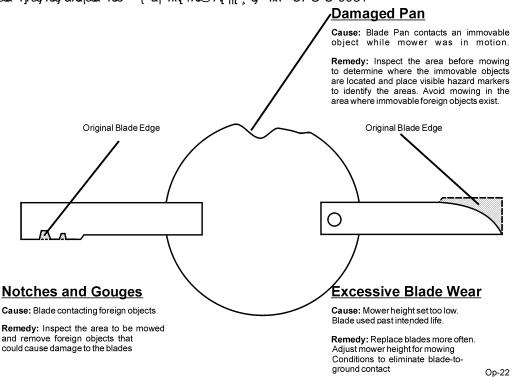
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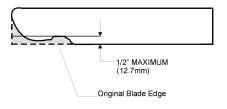
6.3 Cutting Component Inspection

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- ″ V@^Á, æc^¦ãæ4Á;}Ás@~Á^æåā;*Án°å*^Á@æ•Ás^^}Á;[¦}Ásę æ°Ás^Á;[¦^Ás@æ;ÁrEDQFGÈi{{D-



NOTE: Replace Blades in pairs after no more than 1/2" (12.7mm) wear $$O\,p\mbox{-}23$$

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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.

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		

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

Operator's Signature:

Boom PRE-OPERATION	ON Inspection	
Mower ID#	Make	
Date:	Shift	
Before conducting the inspection, make stopped and the tractor is in park with mower is resting on the ground or secur been relieved.	n the parking brake	engaged. Make sure t
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

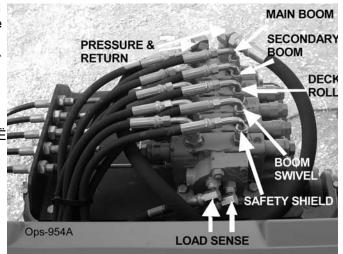
Cable Controlled Mowers

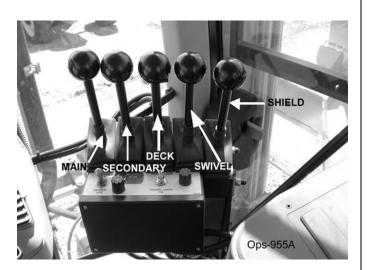
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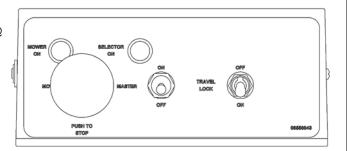
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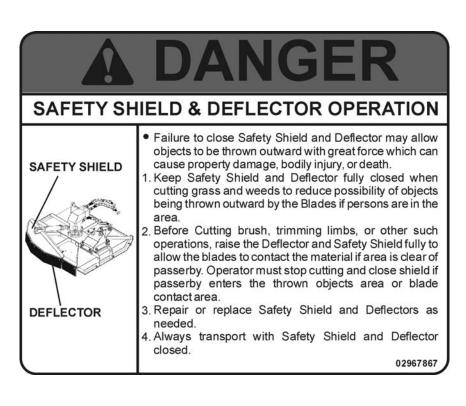




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6.4 Switchbox

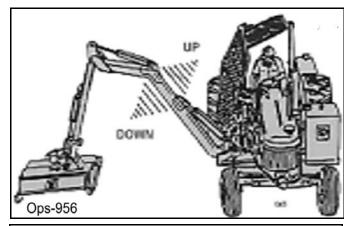


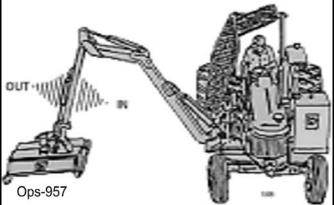


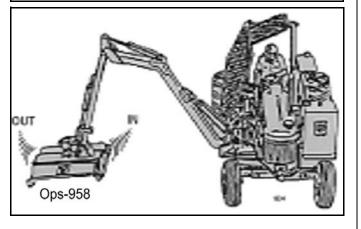
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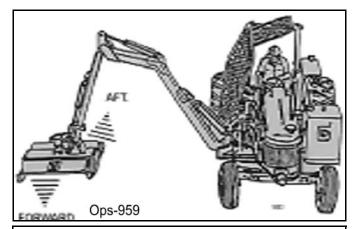
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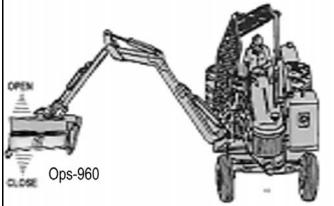
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7. Joystick Controlled Mowers

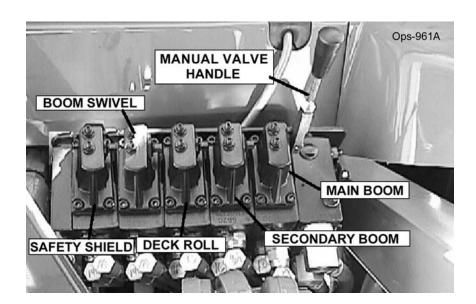
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A CAUTION

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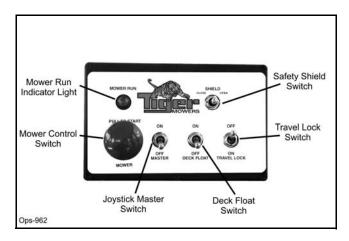
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7.1 Switch Box and Joystick Control

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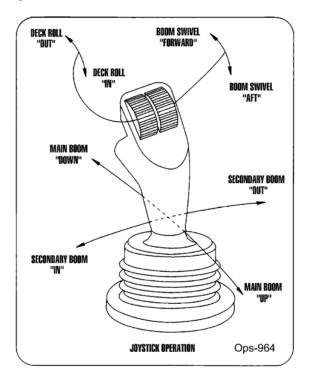


V@ÁÜæ^cÂÜ@A\åÁ; ã&@Á;]^}•Áæ; åÁ&[•^•ÁœÁ @A\åÁ[&æc^åÁ;}ÁœA;]}óÁ; AÓ@Á&`cc^\Á@æåÈÁY @}Á; [çã;*Áæc [¦Á;^æ;Ác@ Á*¦[ˇ} åĒÁæ; æð•Áœæ;^Ác@ Ár@æ)¦åÁē; Ác@ Ásl[•^^åÁ;[•āæī;}ÈÁY æ⁄} Á; [çā;*Áē;Áe; •@4;¦Áē;Ád^^•Áæá;[ç^ *¦[`}åÁ|^ç^|Án@ Án@An|åÁ|æêÁà^Á;]^}^åÁ{¦ÁnæeāN¦Á&`ccā}*ÈÄÜ^æåÁæ)åÁ{||[_Án@ Á,æb}ā;*•Á(}Án@ Áå^&æ4Án@ ()_} à^|[ŬDo not run the cutter into material larger than 6" diameter.

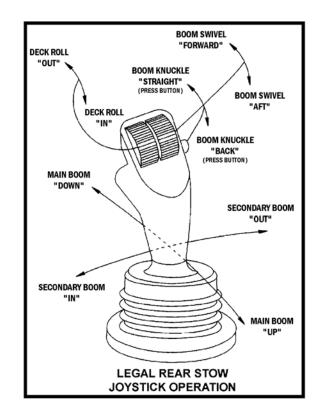
- · Failure to close Safety Shield may allow objects to be thrown outward with great force which can cause property damage, bodily injury, or death.
- 1.Keep Safety Shield fully closed when cutting grass and weeds to reduce possibility of objects being thrown outward by the Blades and to prevent contact with the Blades if persons are in the area.
- 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

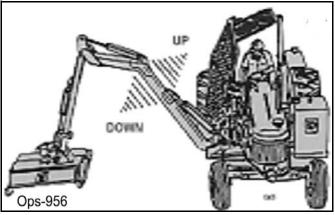
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Joystick Control



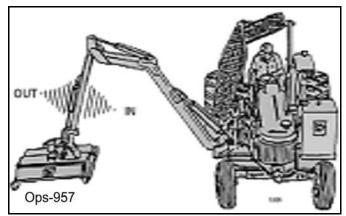
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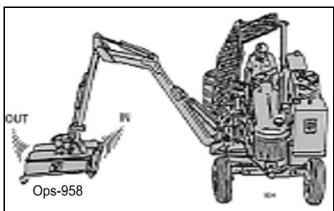


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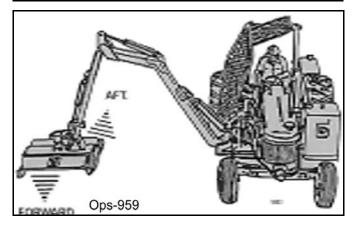
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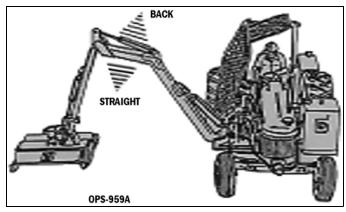
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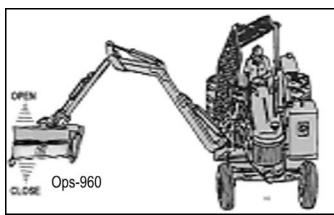
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ÜÕPVÁRUŸÙVÔSÁÜUŠŠÒ ÜÁY POŠÒÁÚÜÒ ÙÙOÞÕ ÓWVVUÞÁT UXÒÙÁÓUUT ÁSÞWÔSŠÒÁUÞÁŒŠÒÕŒŠ ÜÒŒÜÁÙVUY ÁÓUUT



ÙPOÒŠÖÁ ÙY QYÔPQ }Á•, ãã&@Áà[¢DÁ UÚÒÜŒVÒÙ ÙŒVÒVŸÁÜPOÒŠÖ



8.DRIVING THE TRACTOR AND IMPLEMENT

Ùæ^Ádæ&q[¦Ádæ)•][¦ơÁ^ˇã^•ÁœÁ]^¦æq[¦Átá][••^••ÁæÁœQ¦[ێ*@Á];[¸|^å*^Á;Áœ^Á[åa\Áà^ã;*Á]]^¦ææ^å
æ)åÁj¦^&æĕæ¶]•Át[Áææ^Á @\$p^Áå¦āçā;*Á ãœÁæ)Áæææ&@åÁā[]|^{ ^}œĎ}•ˇ¦^Ác@Ádæ&q¦Áææ-ÁœÆæ}æ&ãcÁt[
œe)å|^Áæ@Á; Åæ @Á; ÁœÆá[[{ Áæ; åÁœÆdæ&q¦Á;]^!ææā;*Á&[}d[|•Áæ;^Ár^oÁ;¦Áæ;Aáæ)•][¦dĚÁv[Ár}•ˇ¦^Áæ*^c
@\$p^Áå¦āçā;*ÁœÆdæ&q¦Á;ãc@ÁæÁa[[{ ÉÃ^çãr,ÁæÆf][[;ā;*È

 $S^{-}] \stackrel{\text{det}}{A} \stackrel{\text{de}}{A} \stackrel{\text{de}}$

U]^{aeai} AÛ^&aai} ÁHËGÏ

A DANGER

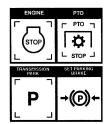
$$\begin{split} & \text{P^c,} A[] ^{|} \text{arch} A \text{com} A \text{V}| \text{arch} A \text{com} A \text$$



AWARNING

 $Cf_{i} = \bullet \cdot A_{i} = \bullet \cdot A_{i} = \bullet \cdot A_{i} = \bullet \cdot A_{i} + \bullet \cdot A_{i} + \bullet \cdot A_{i} + \bullet \cdot A_{i} = \bullet \cdot A_{$

A DANGER



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Vlaa)•][¦oÁ[}|^ÁæeÁ•]^^å•Á, @¦^Á^[`Á&æa)Á{ æaaj æaaj Á&[}d[|Á[-Áo@ AWARNING

\[\frac{1}{4} \ \fr ^~~a[{ ^}oÁæcÁ@ã@Ár]^^å•ÉÁW}å^!•œa}åÁc@^ÁV!æ&c[¦Áæ)åÁQ[]|^{ ^}oÁæ)å



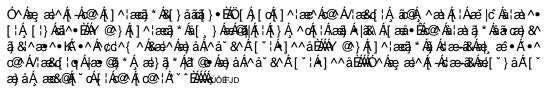
@Q_ ÁānÁ@ea)å|^•Áa^-{¦^Áa(æ)•][¦cā]*Áa}}Áa(d^^orÁse)åÁ@#@@æô•EĂTæà^Áa`'|^Áa@AÁ/¦æ&q'¦Áac^^¦ā]* æ) å Ána læ) ^• Ánæ ^ Ána Án [[å Ána] } å ãna] Àna à Án] ^ læe ^ Án l [] ^ l | È

Ó^{;^^Ád;æ}•][;d³*Áo@ÁV;æ&d;;Áæ;åÁQ;]|^{^}oÉåå^c^;{ã,^Áo@Á;;[]^;Ád;æ;•][;óÁ•]^^å•Á[; ^[`Ása}åÁs@^Án``ā]{^}dÈÁTas\^Án`¦^Á:[`Ásaàãa^Ás^Ás@^Á;||[_ā,*Á`|^∙K

\^• oÁc@ Ád æ&d; ¦ÁædÁæÁ |[Á] ^^åÁæ) åÁg &l^æ• ^Ác@ Á] ^^åÁ|[| ÈÁOE] | ^Ác@ ÁÓ¦æè ^• Á{ [[o@? d[Áå^<<\{ā}^Áx@Árd[]]ā]*Á&@ede&&<\ãac&Ard[]Ard@Áv!æ&d[!Áæ)åÁQ]|^{^}{^}d@Áv! c@Á•]^^åÁ[-Ác@ÁV|æ&d[¦Ác@Á•d[]]ā]*Áåãææ}&^Áāj&!^æ•^•ÈÁÁÖ^c^!{āj^Ác@Á;ææãi*{ daa)•][¦oÁ]^^åÁ,[oÁ[Án¢&^^åÁO€Á,]@ÁQHÉÁ]@DÁ(¦Ádaa)•][¦oã,*Ás@áÁ~~ã,{ ^}oÈ

\^• oÁs@ Á`` a] { ^} oÁsœÁsæÁ|[Á] ^^ åÁsp Ác' |} • ÈÁQQ &| ^ æ• ^ Ás@ Á| ^^ åÁs@[` * @Ás@ Ác' |} Á; } |^ Ásee^\ | ^[`Áå^c^\{ā]^Ácœeós@^Á^``ā]{^}oá8æ)Áà^Á[]^\æc^åÁæóÆ@#@\Æ-]^^åÈÁN^^A`¢d^{^A\$æ4^ æ}åÁ\^å &\Á`[\ \Á•] ^^å\ @} Ac \} ā; * Á• @æ| | ^ Aq Aj \^ç^} oAc@ Ad æ&q \ Aæ; åAā;] |^{ ^} oA+[{ c'|} ā, * Á[ç^|ÉHÖ^c^|{ ā, ^Ác@ Á(æ¢ā[`{ Ác'|}ā, * Á•] ^^å Á[| Á^[` Áæ) å Ác@á Á* ` `ā, { ^} cÁà^-[| ^ []^¦ææã;*Áş}Á[æå•Áş¦Á;}^ç^}Á*;[ˇ}åÈ

U}|^Ástæ}•][¦oÁs@^Á/læ&d;|Ásæ}åÁQ]|^{^},^}oÁsæðó@Án]^^å•Á,@B&@Ásæ|[,Á[`ÁsfÁ;!]^\|^Æs[}d[| c@\Á\``ā|{ ^}cÈ





8.1 Starting the Tractor

V@Á, | [&^å` |^Áq ÁrœeloÁs@Ádæ&q | Áæ Á; [å^|Ár]^&ãæ&È Ü^_^|Áq Án@ Ádæ&q |Á|] ^|æg | q Á(æ) ~ æ) ~ æ|Á| |Á• ææ|æ] *] | [&^a` | ^• Á{ | Á` [` | Á] æb@&` |æbÁdæ&d; | ÞÉÁÓ[} • ` |oÁæ) æ c@ | a^ å Á å^ æ ^ | Á ã Á @ Á • æ dā * Á] | [& ^ å ` | ^ Á ã • ˇ}&|^æbÀÁÒ}•ˇ¦^Áo@^ÁHË;[ã;αÁ&[}d:[|Áļ^ç^¦Áã;Áā;Ác@^ |[^\^åÁı[•ãtā[}Áse]åÁs@AÚVUÁseÁsã^^} *æ*^åÁs^^{\^ • czełcą * Ás@ Ás ześc | ÉŹÁOPS-U-0033



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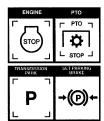
8.2 Brake and Differential Lock Setting

Ct, æ•Áåã*^} * æ*^Ác@^Át;æ&c[¦Áåã-^¦^} cãædÁ[&\Á, @} c';}ā; * ÈÁY @}Áv} * æ*^åÁc@ ^Áåã-^¦^} cãædÁ[&\Á, ā]]'^ç^} cÁ[¦Ájā; ãcÁc@^Ádæ&c[¦Á+][{Ác';}ā; * ÈÁÖ';ā; * }[¦{ædÁ&* ccā; * Á&[}åãaā;}•ÊÁ|[&\ā; * Ác@Áåã-^!^} cãæd]¦[çãå^•Á;[Ás^}^ãcÁs] åÁ;@* |åÁ;[cÁs^Á•^åÈÁ

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8.3 Driving the Tractor and Boom

Ú^!-[!{ Áč |} • Á āc@Ác@Ádæ&q | Áæ) åÁ([, ^!ÁæzÁ•][, •] ^^å•Áq Æå^c! { ā, ^6@ Ádæ&q | Á, āc@Áæ) å æcææ&@åÁā[] |^{ ^} cÁ@, åc@Ádæ&q | Á, āc@Áæ) å æcææ&@åÁā[] |^{ ^} cÁ@• å|, •ÆÖ^c! { ā, ^Ác@• æcæ} Á;![] ^!Á&[} d[|Æ; -Ác@Adæ&q | Æ, æ&q | A;![] ^!Á&[} d[|Æ; -Ác@Adæ&q | A; æ&q | A; | [] ^!Á&[} d[|Æ; -Ác@Adæ&q | & æ&q | A; | [] ^!A&[} d[|Æ; -Ác@Adæ&q | & æ&q | A; | [] ^!A&[} d[|Æ; -Ác@Adæ&q | & æ&q | A; | [] ^!A&[] * Á] * ác@Á æ&q | & æ&q | A; āc@Á æ&q | & æ&q | &

\[Áææç[æåÁ;ç^\c`\}•Éå\æç^Ác@Ádæ&d;\Á¸æc@&æd^Áæ)å
ææÁ•æ^Á;]^^ å•ÉA^•]^&æd|^Á,@}Á[]^\ææð*Á[ç^\\
\[`*@Á*\[`}åÊÁ&\[••ā;*Áåã&@•Á[\Á•\[]^^•ÉAæ)å
c`\}ā;*Á &[\}^\•ÉA \\•^A ^oc^\{^A &æ`æi}}Á,@}
[]^\ææā;*Á;}Á•c^\]Á\[]^•É\$S^^]Á@Ádæ&d;\Á;Ææ\[;*AæA\[]**æð;*Á;}Á•c^\]Á\[]]^•ÉSS^\]Á©Æ\ææ\[;\Á;Ææ\[;*Aæ\[];*æð;*Á;}Aæ\[];*æ\[A;Ææ\[];*æ\[A;Ææ\[];*æ\[A;Ææ\[];*æ\[A;Ææ\[];*æ\[A;Ææ\[];*æ\[A;Aæ\[];*æ

OPS-B- 0006





AWARNING

Þ^ç^¦ÁŠ^æç^Ác@Á([¸^¦Á'}ææc'}å^åÁ¸@Ā/Ác@Á@æåÁæiƸÁc@Á!ææn^å][•ãαā[}ÈÁÁv@^Á([¸^¦ÁS[`|åÁæ|ÁSæč•ā]*Án^¦ā[`•Áā]b`¦^Áq[Áæ)^[}^Á,@[{ā'@Á\$jæåç^¦c'}d^Áà^Á'}å^¦Ác@Á[[¸^¦Æpòr#ɒ



A DANGER



9. OPERATING THE BOOM UNIT AND ATTACHED HEAD

 $\begin{array}{l} V[A^*] \bullet^* |^A A \otimes A^* \wedge A^* \otimes A^* |^A \otimes A^* |^A \otimes A^* \wedge A^* \otimes A^* \wedge A^* |^A \otimes A^* \wedge A^* \otimes A^* \wedge A^* |^A \otimes A^*$

 $\begin{array}{l} U \} | \hat{A}[] \wedge | \operatorname{age} \hat{A} \otimes \hat{A}[] \wedge | \hat{A} \otimes \hat$

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O[A,[o4,[, A, ac@Ac, [A, ac@Ac@Ac, A, ac@Ac, A, ac, A, ac,

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U]^¦ædai}ÂÛ^&dai}ÁHËHG

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9.1 Foreign Debris Hazards/Overhead Obstructions

CJ, Ách~æÁ[Ás^Á&` cÁ; *• cÁã• cÁà• Ás; •] ^&c* åÁ[¦Á; àb &o• Ác@æó&[` |å Áà~Ác@[¸ } Å; !Ác@æó&[` |å Áàæ; æ‡ ^Ác@ Á; æ&@] ^È
Yæ| Ác@[** @Ác@ Áæ4~æÁ|[[\ā * Á-[¦Á^} & ^• ÊÁa[` |å^! • ÊÁ! [& \• ÊÁ&` |ç^! • ÊÁ• č {]• Á[¦Á(^cæ‡Á[àb &o• ÈÁT æ}\ Ác@

a]•] ^&c* åÁæ4~æÁ; āc@Áæ* • ĒÁcÁœ Áæ* æÁs Áå^} • ^Áæ} åÁ&æ} } [cÁa^ Á; æ] ^ EÁ& |ç^! • ÊÁ* (; * @; ÁscÁ; æ Áà^ Á; ^& * • • æ† Ás[Ás] •] ^&c

æé• { æ||^!Áæ4~æÁæ• Á; ^ ||Áæ• Á] [•• āà|^ÊÁc@} Ácā Áæ; æ Ác@ Á] æ†cÁc@æóÆæ• Áà^^} Áā; •] ^&c* åÁæ) å Á&æ} Á; æ/ ^ Áà^

!^{ [ç^å ÈÁ* æ| Á*æ&@á; ^, Áæ+^æÁæ• Æá; Áæ) åÁ^] ^æÁc@ Ás] •] ^&cã; Áæ; ½Á; / † '^Á&` cæ] * Á; [!^Áæ; æ ÈÚÛ^] ^æÁæ• Á; Æ*) Áæ•
} ^&^• • æ† Á\$ @Áæ* Ææ† Æá; Áæ] ^Áæ† Æá* Æá; Áæ; åÐ !Ææ*) * ^![*• Ás[Á; [!\ Ác@ Æ* cơ'! Ás] Áæ; Áæ† Ææ† ææÉæ¢Ææ
} [cÁa^^} Ásē * æ| Ás] •] ^&c* å ÈÁ

AWARNING



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Ó[[{ U]^\\ \aaaa_{\bar{q}}\} \hat{A\bar{U}^\&a_{\bar{q}}}\} \hat{A\bar{U}^\&a_{\bar{q}}}

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9.2 Operating Speed and Ground Speed

Õ¦[`}åÁ•]^^åÁæ̃kæðs@ðç^åÁà^Ádæ)•{ã•ā}Á*^æÁ•^|^&æā}ÁÞ[oÁà^Ác@Á*}*ā¸^Á[]^\ææā;*Á•]^^åÈÁV@
[]^\ææ[¦Á;æíÁa^Áa^íÁa²,Áa^íÁg[Á*¢]^\a;ā,Aá@Áa^oÁ*,Aá\æá,Aæjå*^Á&[{àā;ææā;}•Á[Áa^c\¦{ā¸^Ác@Áa^•oÁ*^æÁæ}å
\æa;*^Á;@ðk@Á;¦[çãå^•Áo@Á;[•ơÁa~æÁj^\i-[¦{æ;å*^Á;[•óÁa~æÁā])^Á;[•oÁa~æðæ];óÁ;ææá[¦Á;]^\ææā;}ÈÁOE
c@Á*^ç^\ãcÁ;—Á&`œā;*Á&[}åãá]}•Áÿ&\^æ•^ÉAc@Á‡;[`}åÁa]^^åÁa@(`|åÁa^Áa^&\oæ)^æ^åÈOPS-B-0009

AWARNING

 $T[, AaaAc@Ae]^{^{}} Ac@aeAc[, Ae] Ae aeA[, Ae] Ae aeA[, Ae] aeA[$

9.3 Operating the Attached Mower Heads

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Ü^-^¦Áq[Ác@ÁCE•^{à|^ÁÙ^&cā[}Á, Ác@áÁ, æ) ĕæþÁq[Ár}•`¦^Ác@éÁ@æåÁánÁ,¦[]^¦|^Áæncæ&@åÁq[Ác@Áa[[{ Ác@á&@Áæ)å @妿ĕ|æ&Áa}^•Áæ¦^Á,¦[]^¦|^Á&[}}^&cåÈÁÁOPS-B-0010

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9.4 Mower Operation

V@Á[œæā,*Á;æto•Áā,Ás@āÁ;æ&@ā,^Á@æç^Áà^^},Áå^•ã;}^åÁç•àåÁç•¢^åÁf;¦Á***^åÁ;•^ÈŘP[_^ç^¦ÉÃc@^Á&[*|åÁæā; ˇ][}Áā[]æ&oÁ,ão@Á@ æç^Á+[|ãåÁ;àb^&o•Ë*&@Áæ•Á+&^|Á**æbåÁæāp•ÉÆ[}&¦^&^Áæà*d;^}œÊœÉÉÆæě•ā;*Áo@{ÁdfÁs^ c@[; } ÁæaÁæáç^¦^ Á@ã @Áç^|[8ãc ÈÁÞ^ç^¦Áæ|[;Á&`œ^¦Á@`æåÁ[Á&[}ææ\$cÁ*`&@Á;àb^8æ•ÈÁQ•]^&æj*Áœ@Á&`œāj*Áæ}^æá{;¦ • X@A à b' 80 Ác) å A^{ [çā * Ác@ { Á | ā | Á Á [ā * Ása) Á@]] A |ā ā æ Ac@ • ^Á [cā } cāc) cāc) cac) Ace æ à • È

U} &^Á;} Áf &ææð;} ÊÁr; ^¦Ás@Á; [, ^¦Ás,^&\Á|ð @d^Áæð;ç^Ás@Á; æe^¦ãæþÁf Ás,^Á&`dÊA; Ás@Á; [, ^¦Ás,^AÁ; oÁ@æç^Áf • œekoÁ}å^¦ÁæÁ[æeåÈÁYão@Áo@Ádæ&d;¦ÁæeÁæ)Ásã|^ÊÁ>}*æ*^Á;[¸^¦ÈÁÓ¦ā;*Ádæ&d;¦ÁÜÈÚÈTEÁ]Á(JÁFJ€€Ë⊙€€ÁÜÈÚÈTÈÁæ)å

OZÁJæZÁÁ, [_^\ÁŠà^&\Á`@``|åÁs^Á&æd¦ð?åÁ;[Áo@æxÁœÁA;ædoÁ;Áo@Ás^&\Á;^ã @ÆzÁæd}ð?åÁs^Áó@Ás[[{ Áse}åÁ;ædó&æd}ð?å -{||[.•Ás@-Á&[}d[`¦Án-Ás@-Át¦[`}åÁn[¦^Án æ-ān^Áa`¦ā,*Án[.ā,*Án]^¦ææān]•È

V@Á[œc^Á;[¸^¦Ás^&\Á;@,`|åÁse,æ°•Ás^Ásæc¦ā°åÁæc@¦Ásœè,Ás¦æ**^åÁ;}Ás@Á\ãaÁ;@,^•Á;@}Á;[¸ā;*Á;}Ás@ *¦[ˇ}åÈÖ¦æŧ*ą̄*Ác@Á[œá^Á[gæ^Á;[¸^¦Áå^&,Áq&,Áq&,Aæ^•Ác@Á•ãå^Á[æå•Á;}Ác@Áà[[{ÊÁå^&;^æ•^•Ác@Á@;•^][¸^¦ ægæajææi/^Áf Ás@ Á&` cc^¦Á@ æåiÊæn) åÁ^å` &^• Ás@ Ásæàjããĉ Áj Ás@ Ásæ&&` { ` |æg | Ás@ Ásæb¦^Áj æb Ój Ásæb¦^Áj æb Ój Ás@ Á ®Á Ås@ Ás[[{ å `¦ā, *Á, [ā, *Á,] ^¦æeāi} •È

AWARNING

Y @ } Á [cæaā] * Á j æðo Áæb ^ Áāj Á [cāī] ÉÁn ^ ¦āī * Áāj bǐ ¦ Á æ Á k& š ¦ Áā-Ásæ cāī } Áān Á [cÁ • ^ å Á ¦ Áåæ) * ^ ¦ Áān }[oÁ\^&[*}ã^åĚ\Þ^ç^¦Áæ||[, Áà^•œa)å^¦•Á, ão@a, Á300 feetÁ[-Ás@-Á(æ&&@a,^Á, @}}Áā,Á[]^¦ææā[}È Ò¢d^{ ^Á&æd^Á•@,`|åÁà^Áæd:^}Á; @^}Á;]^¦ææāj*Á;^ædÁ[[•^Á;àb^&o•Ē*&@ÁæeÁ*¦æç^|ÉÁ[&\•ÉÆe}å å^à¦ãa ÈÁV@∿•^Á&{}}åããã{}•Á∗@|`|åÁsà^Ásæç[ãå^åÈ

9.5 50" & 60" Boom Rotary

V@^ÁÍ €+ÁBÁÎ €+Áà[[{ Á¦[œd^Áà| *•@Á{ [_^¦Á_æ• å^• āt} ^åÁ-{ ¦Á& cca} * Áঠ*• @Áæ} åÁ-{ |ãæ* ^Á*] Áḍ ÁÎ ā & @ • Áā Áå ãæ (^ c^ \ Á; \ Á; ~ | cā | | ^ Áa | æ) & @ • Ác@æ Á@æ (^ Áa e d cædÁ&¦[••Á•^&cãt} Áæd^æÁ^~ ãçæb^} cÁd Á[}^AÎ Áð; &@ à¦æ}&@È

Ö`¦ā;*Á;[,^¦Á;]^¦ææā;}ÊÁo@\Á@æd;åÁo@;[od^Á; *•oÁà^ ઁ•^åÁq Áq æang œang Án}*āj^Án]^^åÁsæÁrJ€€ËGG€€ÁÜÈÚÈTÈ V@āÁ]¦^ç^}o•Á¦æåå&æфÁ&@æ)*^•ÁājÁ[[^¦Á•]ājå|^• •]^^åÊ\^å`&aj*Áx@^Á;[••ãàājācîÁ[-Á&`cc^\Áæ••^{ à|^ åæ{æ*^È

 $V@\dot{A}@\dot{a}[\capA][\bullet \tilde{a}\tilde{a}] A * \dot{A} \approx \tilde{a}\tilde{a} A A * \dot{a} \approx \tilde{a}\tilde{a}$ å^•āt}^åÁq[Áµ[•ãαã[}Áx@ Á& coā]*Á@ æåÁæ)åÁμ¦[çãå^Áæ $|\tilde{a}| \tilde{a} \tilde{c}^{\hat{a}} \hat{A} | \wedge \bullet \bullet^* | \wedge \hat{A} \wedge |\tilde{a} \wedge \hat{A}| \otimes \hat{A} \otimes \hat{A} | \wedge \bullet \bullet^* | \wedge \hat{A} \otimes \hat{A} \otimes$ aa]]|aðåÁ[Ác@Áa[[{ EÁÖ[Á][cÁ[¦&^Ác@Áscca]*Á@æå ãid Á@ anc^Ána¦aa) & @ • Án¦Án č {] • ÉAÖ and and Án∮Án@ Á }ãnÁ an Án• ĭ loÈ

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Y @ } Á • ā * Ás@ Á [cæ f ^ Ás * cca * Á@ æ á Á [¦ Ás a { ā * Ás ^ • Ás à Ás @ * à • Éf ^ o Ás@ Ás [_ ^ | Ás æ / Ás d f Ás@ { È Ö[Á}[oÁ[¸^¦Ác@^Á([¸^¦Á@^æåÁå[¸}Áåãl^&d^Áðjd[ÁæÁd^^Á[¦Á+č{]EÁV@^Á([¸^¦Áà|æå^+Áæb^ å^• å } ^ å Áq Á& oÁ, ão@Ác@ Ár } å ÉÁæ) å Áq ãr • ^ Á&æ) Á&æĕ • ^ Áåæq æt ^ Áq Ác@ Áa |æå ^ Áæ) å ÁæÁ@æ æt å [` • • ãc ǎæaã[}Á[¦Áo@^Á[]^¦æe[¦È

A CAUTION

Ú[` ^¦ā] * Ác@ Áà[[{ Áå[` } ÉÁ; | &ā] * Á; [` ^¦Áå^&\Á; ð[Á*\[` } åÁ; æ Áåæ; æ * ^Á; [` ^¦Áå^&\Áæ) åÁæ;

V[ÁY}•`¦^ÁœÁ&|^æ}Á&`dÊY}*āj^Á;]^^åÁ;@`|åÁà^Á|æājæāj^åÁæÁæj;]¦[¢ājæe^|ÁFJ€€ËG€€ÁÜÉÚÈ ÈÉQÁ© Ádæ&d;¦ •|[¸•ÁqÁ^••Áx@a)Árì €€ÄÜÈÜÈ ÈÉA @aÁqÁx@Á,^¢A([¸^¦Á*^æÈÖUÁ>UVÁaa^Áx@Ák]ˇc&@Éx@aÁ¸ä|Á&æ*•^Á;¦^{æč¦^ & 🌣 🛠 🕮 🕆 본The engine should not be operated at any time at more than 2400 R.P.M. on the tractor tachometer.

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A CAUTION

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A CAUTION

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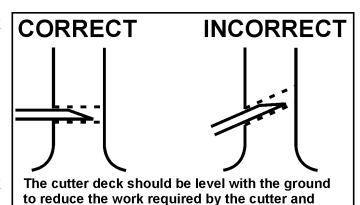
Ó^* āļ Áædļ æ• Áædko@ Á[] Á ãã^Á; Áo@ Ád^^• Áæ) åÁ [!\Áå[¸} Á ão@Á æ&@Á&[}•^&` cãç^Áj æ• ÈÁ @} Á&` ccā; * Ád^^• Áæ) å • @`à• ÊÁ • ^Áædļ _^!Ái]^^å Ág Áæ|[¸Áo@ Á} ãç^• Áæ] ^ Ág Á&` cÁæ Á, ^||Áæ Á; '|&@Áo@ Á; |ãæ‡ ^ È

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Y @^}Á&`ccāj*Ác!^^•Áad;åÁa;|`•@Áad;];[æa&@Á;æac^¦ãad; q Áà^Á& oÁ, ão@Áo@ Á@ æåÁ,^¦]^} åã& |æÁ Áj Á; ææ\¦ãæþÈ V@^Á&`ccāj*Á^å*^Á[-Ác@^Áà|æå^•Á•@[`|åÁà^Ác@ [}|^Án|^{ ^} @^Áa; Á&; } cæ&oÁ; ão@Á; æe^¦ãædÉÁV@^Áa;|æå^ àækÁn @[`|åÁn [oÁ&[} cæ&oÁ, ão@Án ææ^¦ãæþÉÁV @ Án [, ^¦]^{]^}å&&`|æd|^Áqaq (Ác@)Á(æe^\; &edA.æc@\; Á[, ^; ā; * $c@A[[^{\dot{}}A@aaaA[]A[]A[]A[aac^{\dot{}}aac^{\dot{}}Bacc^{\dot{}}A@Aa]aaa^{\dot{}}$ àælÁ\å*^•Áæl^Át[`*^ålÁ;\Á[`}å^åÁ\[{ Á, ^ælÊÁc@ æà`•ãç^Á(æ)}^¦ÈÁV@^Áà|æå^Áàæ;ÁãrÁ,[oÁā;c^}å^åÁ[&`oÁ, æe^¦ãæþÁ;¦Áq;Áà^ÁæÁ, ^ædÁãe^{ Áðã^Ác@^Áà|æå^•È Ö[ÁÞ[ơÁæ|[Ác@ Áà|æå^•Á; Áà|æå^ÁàæÁ; Á&[}æ&c $c@A^*|[`]$ å EA[&] • A[A] [A[A] à A[A] à A[A] à A[A] à A[A] à A[A] à A[A] A[A]c@\A*;[`} åA&a) A^•`|oA; A| &\•Aa) åA•[|ãaA; àb\&o @\$&@\$&æ)Á&æě•^Á•^¦ā[*•Áā]bŏ¦āN•Á[Ác@^Á;]^¦æe[¦ æ) åÁà^•œe) å^¦•ÊÁV@ãÁĉ]^Á[-Á[]^¦æeã[}Á&æ) Á∫^æå q[Áà^} qÁ; lÁà; [\^} Áà|æå^Áàæ• ÉÆà; [\^} Áà|æå^Áà[|σ• æ) å Áà¦[\^} Áà|æå^ Áàæ Áæ•^{ à|^ Áà[|o• Á, @ã&@Á&æ) à^Áåæ)*^¦[ˇ•ÁqíÁs@^Áq]^¦æe[¦Ásæ)åÁà^•œe)å^¦•È



tractor to minimize equipment wear and damage.

(OPS-R-220)

9.6 50" Boom Flail



AWARNING

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AWARNING

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@^|•Áå`¦ā;*Á[¦,æååÁæç^|DÉAN ever operate the cutter shaft in reverse rotation.ÁU]^|ææā];*
c@áÁ;[,^|ÁajÁ^ç^|•^Á[œæā]}Á;æÁ&æ•^Á;àb^&e-Á;àb^&e-Á;Àab^&e-Á;Aab^&e-Á;Aab^&e-Á;Aab^&e-Á;Aab^&e-Á;Aab^&e-A

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AWARNING

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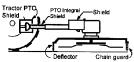
9.7 63" Boom Flail



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A DANGER

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AWARNING

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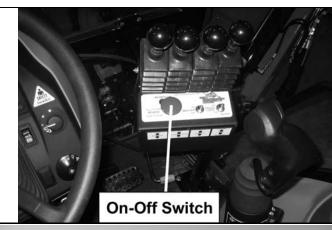
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9.8 Shutting Down the Attached Head- For Standard Equipment

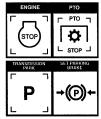
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10.TRACTOR, BOOM, AND ATTACHED HEAD STORAGE

- "Vât@^}ÁæḍÆa[|o•ÁqtÁœÆA;|[]^¦Áqt|``^ÈÁÓ}•`¦^Á æḍÁjā•ÁæèåÅjóœ¦Áœæå,æb^ÁæAjÁ;|æ&^È
- "Ùq[\^\As@\A`] \(\text{a}\A\) \(\text{As}\A\) \(\text{As}\
- W♣^Áa] ¦æ Áa[ˇ&@Ë] ÁA} æ (^|Á, @ |^Á,^&^••æ^Á [} Áaæh^Á; ^œdÁ ˇ | æ&^•Áa[Á, |^ç^} óÁˇ•óÁæ) å Áa[Á { æāj œaāj Áa@ Áæ]] ^ææ) &^Á; Áa@ Á; [¸ ^|È OPS-B-0012_C

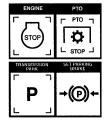


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 $\begin{array}{l} \text{P}^c_{\hat{A}} = \frac{1}{4} \left[\hat{A} \otimes \hat{A} \right] & \text{P}^c_{\hat{A}} = \hat{A} & \text{P}^c_{\hat{A}} & \text{P}$

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AWARNING

11.TRANSPORTING THE TRACTOR AND IMPLEMENT

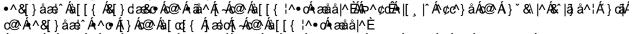
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11.1 Placing Boom Arm on Boom Arm Rest - For Standard Equipment



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 æêÁj* cÈ
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- ″Üaa≨i^ÁTaa§Áa[[{Áad}]¦[¢ā[aae^)|^Áa[Á1€×È
- " Ù, ā, * Áa[[{ Áa æ&\Áa[], |^Á} cāļ/āa/āa Áa dæāt@A à æ&\È
- Ø[¦ÁseÁnH][ā]oÁs[[{ ¦^•oÁ;|ÁseÁnā]*|^ÁsQ[]*{}Á
 à[[{ ¦^•oÊÁ;[•ãoā]}Ás@Án^&[}åæâ^ÁsJÁs@Á
 &iæå|^ÉÁÓæó^~i||^Ásæç[ãoÁjā,&æ3]*Áse)^Áq0,•^•È



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11.2 Transporting on Public Roadways



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Ü^å*&^Å]^^åÅa^-{¦^Àč'}}ā,* Å; Åæj]|^ā,* ÅœAå; æà^•È Ò}•`;^Ác@æÁa[c@Áa; æà^Áj^åæa;•Àæ\^Á[&\^åÁa[*^c@; , @}Á,]^;ææā;*Á;}Á,`à|æ&Á[æå•ÈOPS-U-0023



11.3 Hauling the Tractor and Implement



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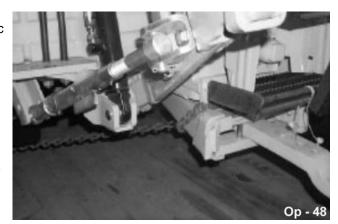




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OE; a) * ^ Ác@ Á&@aa] • Á• [Ác@aaÁ, @} Ácat @^} ^ å ÉÁc@ &@eda•Á ad-^Á,*||ā,*Áå[} ælåÁ ælåÁ ætæaal•c c@{ •^|ç^• EÁÔæ}^~`||^ Áæt@^} Ás@^Á^&`¦āj* Ás@æāj•Á;¦ [c@\Áæec^}^\•Á*•ā,*Áà[[{ ^\•Á[\Áàā,å^\•Áq Áæ]]|^ $\{aacai^* \{ Ac^* \} \bullet ai \} EAAM \bullet \land Acc^* \}$ ægææ&@a * Áæ) åÁ^{ [çā * Ác@\Á\^&` |ā * Áå^çã&^• Áæ• Ác@\][c^}c@adeÁqfÁspi-|a8koÁs^¦afi~eÁspib'¦^È

Y@A^Á@eĕ|ā]*Ác@eÁdæ&d;¦Áæ)åÁā[]|^{^}dÊÁ{æ\^ [&&æ• ã] } æþÁ• d[]•Ád Á&@ &\ Áo@æAcAc@ Ádæ&d ¦Áæ) å ā[] |^{ ^} oÁ@ec;^Á; [oÁ([ç^åÁ[¦Á•@ác^åÁæ;)åÁc@ecÁc@ •^&`|ā|*Á&@eda]•Á@eqc^Á(æda]cæda]^åÁc^}•ā|}ÈÁÁQÁå`|ā|* daa)•][¦oÁaaÁ@adåÁaladaā)*ÉÁr@ad]Ác`¦}ā)*ÉÁ(¦Ár¸^¦çā)* æ&cai} Å æ Á ^ | { ^ å Ê d] ÁærÁc@ Á ^ ¢ có æ ^ Á [&ærai} d Á\$ •] ^ & A\$ @ Á ^ & ` ¦ ãC Á À Â\$ @ Á | æå ÞÁ OPS-U- 0026



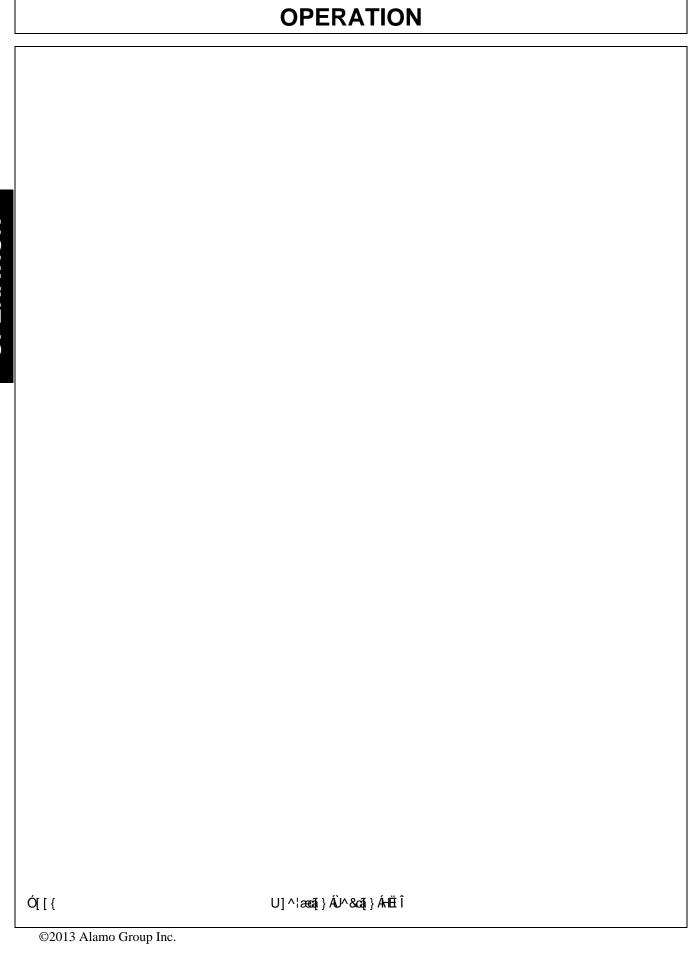
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Ü^dæ&oÁ, ãç^|Á&`|ãjå^¦Áæg)åÁn^&`¦^Áq[Á;æāg]Á¦æq!^ÈÁÚãç[oÁa[[{Á[¦,ædåÁq[Áo@Á&^}c^¦Áq-Á-∤ææÁa^åÈÁS[,^¦Áa^&\Áq)}d[c@ Át æilt \ Ás ^ å Ébet å Á @ of, ~Ác@ Át æ&t | EV @ Át æ&t | Ket å å fc@ Á, [_ ^ \ Á@ æå Á @ ` | å Á, [_ Ás ^ Ás@æil ^ å Ås[_ } Á ^ & ` \ ^ \ ^ of Áso@ Áslæaān\¦ÁnanàÈ

A CAUTION

QÁra)^Á, zabóÁ, Áro@rÁj^\!zezā;*Ár^&cāj}ÉÄ;¦Ára}^Á;c@;¦Ár^&cāj}Á;ÁræðrÁ;cæ;ÁrzaþÆrá,[cÁs[{]|^c^\^ ``}å^\•q[[åÊÁ&[}œæ&oÁ^[``|ÁVã*^¦Áå^æф^¦Á[¦Áo@Áæåå¦^••Á[}Ác@Á&[ç^¦Á[Æko@áÁ; æ}`æþÁ{¦ æ•ãæ}&^Â

U]^\aea[} \(\hat{A}\hat{U}^\&ca[} \) \(\hat{A}\hat{H} \)





General Instructions

Vã^¦ÁT [¸^|•Áæ}^Áå^•āt}^åÁ[¦Á@āt@Á,^|-|¦{ æ; &^Áæ}åÁ`**^åÁā`¦æàāãcÊ`É\^cÁ¸ãc@Á;ā;][ãað\åÁ;æā;c^}æ; &^ÈÆV@]`|][•^Á; Ás@àÁ•^&cā;}Á; Ás@Á; æ; æ; æ; æ; Ág Á@ |]Ás@Á;]^¦ææ[¦Áā;Ác@Á^*`|æbÁ*^|çã&ā;*Á; Ás@Á; [¸^¦EŒ\^*`|æb {æā;c^}æ; &^ÁæAæ,Á@Á;c^¦ç懕Á;^}cā;}^åá;ā|Á^•`|cÁs;Ás@Á;æçā;`{Á^~ã&^}&.Áæ;åÁ[}*Á;Ás@Á/ā^¦Á*G.A°;|c¸^¦È

Y @} Á[´Á, ` |&@œ•^ÁæÁ/ð ^|ÁT[¸ ^|Á[`Áæ]•[Áæ&` ða^Áæ)[o@|Áçæ| ææ]/Áæ••^oÆÁ/ð ^|e,Á]æd•Á; |*æ)ãææã;}ÆÚŬ `| |æajaãÁæ}åÁv~æð^}œ^^\c\$&^Áœæ•Á* æææ;o^åÁo@Á&*•({ { ^|Árææã~æ&cã;}Á[|Á;æ)^Á^æ+ÈÁ/ð ^|Á]æd•Á^^]Á]Á¸ão@ |c@Á&^{ æ}å•Á||Áv~æðæ)}&^ÉAæ^ôÁæ}åÁ\}å`|æ}&^Á¢]^8&o*ÁÁ;Á@Á/ða^lÁT[¸ ^|È

Maintenance Precautions

- ″်`Ó^Án`¦^Án}åÁn,-Án¦^æ•^Án`}Ásæ)åÁn^¦\•Ásæ}^Ás⊌/æ)Ásn^-{¦^Á.•āj*ÈÄÖ^à¦ãrÁsjb^&c^åÁsjo[Ásn^æ-ð;4*•ÊÁnc&ÈÁ,ão@Án¦^æ-^Á ;ãlÁ&æ*•^Ás[{ ^åãæe^^Ásaæ{æ*^Éaæ; æ*^È
- ÖUÁPUVÁ ^ ÁsaÁy [¸ ^ lÁt l^æ• ^ Átˇ } Áq Áyˇ à l 38ææ ^ Ás ^ ædað * ĒÐV @ ^ Ánˇ ˇ ãn Áş ^ l ^ Áq ædþÁæð å Án ¢ææðæðæð [ˇ } œ Áp Áp |ˇ à l 38ææðað } ÈÐÜ ^ ~ lÁg Ás@ Ás ^ ææðan å Áp æðað æðað æðað * ÈÐÜ ÚÞÐU VÁp ç ^ l Ë * l^æ• ^ Ás ^ æðað * È

- \[\frac{\text{U}\paragraphi \frac{\text{A}}{\text{A}} \rightarrow \frac{\text{A}}{\text{A}} \rightarrow

AWARNING

Break in Period

QuÁxœååããā) ÁqíÁq∥[¸ā) *Áx@Ás¦^æàËajÁsj•d`&cāq}•Áq;¦Ár[ĭ¦Ánjædcã&ĭ|æbÁsjæ&cq¦Éxs@ÁsjĒzæ)\Á@妿ĕ|æbÁj°ãáÁaj¢º¦Ár@çĭ|å
à^Á^]|æ&&åÁxæe°¦Áx@Áāj•oÁi€Á@çĭ|•Áqi-Áx^¦çã&\ÈÁv@;¦∞æe°¦Áx@Áaje¢¦Ár@çĭ|åÁà∧Á∧]|æ&&åÁrç∧¦^Á퀀Á@;ï|•É4qi; ^^æ¦îÉA @&&@Áxc∧¦Ásqi{^•Áāj•oÈ

Ü^Ë[['``^Á, @^|Á|`*•Áæe^!Áã•óÁãç^ÁQ;'!•Á[-Á]]^!æaā[}Áæ)åÁ]^!ā[åã&æ|^Ác@|^æe^!ĚÙ^^Á[!``^Á•]^&ãã&æaā[}• |ãec^åÁā]Ác@Ádæ&c[!qÁ•^!çã&^Á(æ)`æ|Á[!Á^[`!Á]æbæ&`|æ!Á([å^|ÈWheel lugs must always be re-torqued whenever a wheel is removed and reinstalled.

A DANGER

$$\begin{split} &\text{P^c}^{\dot{A}}_{\dot{A}} = \hat{A} \cdot \hat{$$



Tænājo^}æaj&^Áù/^&onāj}ÁnÉG

Ó[[{

AWARNING

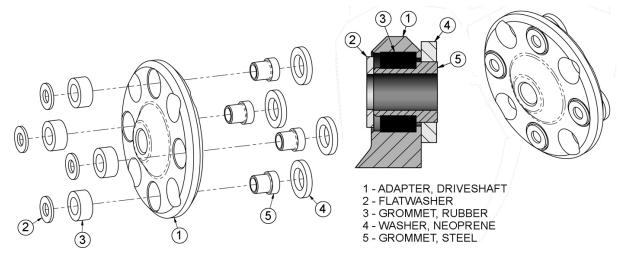
Ö[Á;] cÁ; [åã;Á;!Áæ;c^!Ác@á;ÁQ]]^{ ^} dĒÁÁÖ[Á;[cÁ]^!{ ãóÁæ;^[;}^Áq;Áæ;c^!Ác@á;Q]]^{ ^} dĒÁá;^å; Áæ;c^!Ác@á;Q]]^{ ^} cÁ; Áæ;c^!Ác@á;Q]]^{ ^} cÁ; Áæ;cå; Àæ;cå; Aæ;cå; Àæ;cå; Aæ;cå; A

AWARNING



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

\(\hat{\mathca}^\) | \(\alpha \cdot \cdot



Regular Maintenance

V@Áşjc^lçæp•ÁæcÁj @B&@Á^**|ædÁ^lçæðaj*Ár@|*|åÁà^Áå[}^Áæd^Áàæe-^åÁi}}Á@|*|•Ái-Ái]^¦ææāj}ÈÁW•^Ás@Ádæ&d[¦•Á@*¦{^c\Ái_Æko^c\{aj^Á, @}Á^**|ædÁ^lçæðaj*ÁæÁ^**ān^åÈ

 $\ddot{U}^{-A} \dot{A} (\dot{A} \otimes \dot{A}) \circ \dot{A} = \dot{A} \otimes \dot{A} \circ \dot{A} \otimes \dot{$

Daily or Every 8 Hours

Q/ÒT Á	ÙÒÜΧΦ̈́Ò	ÔUTTÒÞVÙ				
Ölãg^ÁÛ@eedŸ[\^ÊÄWËR[ã]c BÁÛc`àÁÛ@eec	Õ¦^æ^	Õ¦^æ•^Áæ•Áaj•d`&c^åÁaj å^œanf^åÁ(æanjc^}æ)&^Á-^&can[}				
Ú {] ÁÖ¦ãç^ÂÛ@æÁÔ[ˇ] ^ ¦	Ô@&\Á sa) åÆŠ`à^	Q• `¦^Áå¦ãç^•@eeA^}åÁj æê				
Ô¦æ}\•@æóÁŒåæ}o^¦Á	Ô@&\Á`àà^\Á\[{{ ^•	Ü^] æ&^Át¦[{{ ^⊙Á§Á åæ{æ*^åÁ¦¦Á;ã••ã*				
Úặc đú jệ đ	Š`à¦ã&æe^	Oµb^&cA*¦^æ•^Á;}dāļÁāc æāj]^æb•ÁæænÁr}å				
P^妿ĕ ã&ÁØãīcã}*∙ Á	Ô@&\Á{¦Á\\æ•	Vã @^}Á, @^}Á,^^å^åĎÁÖ[Á¤[cÁ • ^Á@a)å• qíÁ&.@ &\Á[¦Án^æò•Én^^Á;æā)dĎÁ;¦^&æčqã;}•				
S}ãç^∙Á Á	Ô@&\Á	Q.•]^&oÁ[¦Á;ã•ā;*Á;¦Ásae(æ*^åÁi}ãç^•Ê &@æ)*^ÁÁæeÁ;^^å^åÈ				
Ù] ājå ^Á; [ˇcāj*Áà[o• •] ājå ^Á; Áá^&\D	Ô@&\	V[¦˘ˇ^Áq[ÁnHFÍÁdÈA)à•ÈÁŢà¦&&æec^å V[¦˘ˇ^Áq[ÁnHÍÏÁdÈA)à•ÈÁå¦^				
S}ã^Á;[ˇ}α∄*Áa[o• Ç}ã^Á;Áaã*\Á;!Áa æå^ÁaæbD	Ô@&\	Ú¦^Ë;`à¦ã&æe^Ás@v^æå∙Á,ão@Áæ);caËe^ã.^ q¦```^ÁqíÁi,€€ÁcÈÁjà•È				
Öã \ ĐÓ æå ^ ÁÓ æð Á; [ˇ } cð, * Áà[o• Çãã \ Đà æå ^ Áà æð Á; Á•] ð, å ^ D	Ô@&\	V[¦˘ˇ^Áq[ÁFÌ€ÁdÈĄà•ÈÁ,ʿà¦ã&æec^å V[¦˘ˇ^Áq[ÁG€IÁdÈĄà•ÈÁå¦^				
Ó^ @	Ô@&\+ D Zäbŏ•c	Ô@ &\ Á5AÁ; [\^}ÊAcãt@^}Áxe•Á^~~ã^å				
Tæ\$jÁx01æ(^Áæ)åÁ Ö^&\	Ô@&\Á	Ü^q[¦~~^Áa[o•Áq Áq[;~~^ •]^&ãã&æaā[}•ÁajÁc@aÁ^&cā[}				
P^妿ĕ ã&ÁØ *ãåÁŠ^ç^	Ô@&\	ŒååÁ\$Á^~~ã^åÁ,^¦Á, ~ãåÁ,^&[{{^}}åææā,]•				
Ü^ækÁØ æ#ÁÖ æ;^ÇæÁæ;] &Bææ; ^D Ó^ækÁØ æ;*^Áæ;åÁÚ@æóÁÔ[`] ^;	Š`à¦ã&æe∿	Õ¦^æ•^Áse•Ásj•d`&c^åÆsj å^œæ§1^åÁ;æājc^}æ)&^Á-^&ca[;}				
Ô°œ^¦ÁÙ@æoÁse) åÁ	Š`à¦ã&æe^\	Õ¦^æ•^Áæ•Á§•d`&c^åÁ§				
Ó[[{	Tæājo^}æ)&^Áû^&dā[}	ÁË				

Õ¦[ˇ } åÁÜ[^¦		å^cæailp^å.Á(æail)c^}æ)&^Á(^&cai[}
	WEEKLY OR EVER	RY 40 HOURS
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		₩₩₩₩Û
Ü[æ\$^ÂÛ] ājå ^	Š`à¦&&æe^\	Òç^¦^Án,€ÁQ(~¦•Án,¦Á, ^^\ ^
	WEEKLY OR EVER	RY 50 HOURS
ΦΌ	ÙÒÜXၹÔ	ÔUTTÒÞVÙ
O∖Á/æ)∖ÁP^åÈÁØ ĭãå Øā¢^¦ 10 micron filterD	Ô@a}*^	Ô@a}*^Ásee^¦Áai•ơÃi€Á @~`¦•Á;} ^ÊÁs@}Án°ç^¦^ Í€€Á@~;•Á;¦Á^æb ^
QËŠāj^ÁPā*@ÁÚ¦^••ˇ¦^ Øād^¦ Ç10 micron filterD	Ô@) *^	Ô@a)*^Áaee^¦Áai•oÁi€ @`¦•Ái} ^Éáo@}Án;o^¦^Á Í€€Á@`¦•Ái¦Á^æ
	MONTHLY OR EVER	RY 150 HOURS
ITEM	SERVICE	COMMENTS
P^妿ĕ ã&ÁØ `ãåÁŠ^ç^ Á	Ô@&\	ŒååÁæ∙Á,^^å^å
P^åEXXa)\ÁÓ\^æ@%¦	Ô ^æ} HÔ@^&\ HÜ^] æ&^	Ô ^æ}/Á;¦Á^] æ&^ ^ ^{ ^} œÁæ-Á^~~ã^å
Ü^æ¦Á/ā^Á/^]^ IÌ⊕ĐÌ€ÜHÌ FÌÈËH FÌÈËHÌ	TæçÁJÈÚÌÈÈ ÁWWGÎ ÁWWGÎ	
	YEARLY OR EVER	Y 500 HOURS
ITEM	SERVICE	COMMENTS
Ù] āj å ^ÁÕ¦^æ•^ P^åÈÁæ)\ÁØ `ãå Q\Áæ)\ÁP^åÈÁØ `ãåÁØājc^¦ Ç 10 micron filter D	Ô@#)*^ Ô@#)*^ Ô@#)*^	
QËŠ∦^ÁPÚÁØ¥c^¦ Ç10 micron filterD	Ô@;*^ ##\	Ô@a}*^Á;@^}Á§jåä&æae^å à^Á∧•dä&cā[}Á§jåä&æa[¦È
P^å ÈÁ /æ) ∖ÁÓ¦^æc@\¦	Ô@a}*^	
Ó[[{	Tæajo^}æ)&^Áû/^&o	Σą̃}ÁΗ̈́

TROUBLESHOOTING								
ÙŸT ÚVUT Ù	ÔŒWÒ	ÜÒT ÒÖŸ						
Vibration	FEĞĞ[[•^Áa[@	FÈÁ KÔ @ &\ Áæ Áa[o-Áæ) å Áæî @^}Á[Á W M^&[{ { ^} å^å Ág!; ``^Áa]^&+È						
	GÉÁÔ`cc^¦Áae••^{à î ÁWÁT}àaa‡aa}&^å	CædÉÁÔ@ &\Á[¦Ááaa; æt^åÁá ætå^•ÉÉáāa & ÁWWWA;!Á&`co^¦•@eedÉÜ^] æ&^ÁáA}^^å^åÈ CàdÉÔ@ &\Á[¦Ájā^ÉÁ[]^ÉÉ^c&È ÁWWWA}cæ)* ^åÁājÁo@ Á&`co^¦Áæ••^{à ^						
Mower will not lift	FĔAP^åBĞØ `ãåÁĞ[¸	FBÁNÁÔ@~&\Ása) åÁ^~ā Á@ åÁ ~ãa						
	ŒĂŠ^æà•ÁŞÁĀ}^ ÜUW HEÄØæĕ ĉÁ^ ā³-Áşæ‡ç^	CHÉÁÁVÉT @^}Á,¦Á^] æ&^Ááūcāj*•ÁæjåÁQ;•^• HEÉÁÁÔ@&\Áj¦^••`¦^ÁgÁAj^ÈÉŠāj^Á ÁÁÁÁÁ¦^••`¦^ÁgÁ&j}d[Áçædç^ÁrQ]` åÁa^						
_	ÍEÁØæĕ cîÁ&î ā]å^¦	Í ÈÁÁÁQ.•]^&dÉÁ^]æãiÁ[¦ÁÁ^] æ&^Á&^[ā]å^¦						
Mower will not start or run	FEĞÓ [, } Á* • ^ CEĞÓæ Áşædç^ • Á& [• ^ å HEĞŞ , Á, ĀÅ* ç^ LEĞŞ ^ Áræ ÉĞÖ ^ &d [} æ ÁÁÁ* [^ } [æ Áæĕ c	FEXMÓ @ &\ Á* • ^ kā^ ç ^^ } Á; [, ^ Á*] āī&@Á AXXXXIII & A Á* A É A Ç ^ ^ } Á É A É A É A É A É A É A É A É A É A É						
Ó[[{	Tæ≨j¢^}æ)&^ Á Ù^&	Á‱ (¦Á&[}cæ(ā)æ)o•Áæ)åÁn&læ&&@•È &dā[}ÁnÉÍ						

	TROUBLESHOOTING (CONTINUED)						
ὺΫΤ ÚVUT Ù	ÔŒVÙÒ	ÜÒT ÒÖŸ					
Motor runs but will not cutÈ	FĚÓ^ œ	FEXMOQ•]^&o^\$a^ o•Ása)åÁ,` ^^•EXÜ^] æ&^ XXXXXIII (o•Ása)åÁ^]æaãÆse Á,^^å^å^åÈ					
	ŒŽV^}• ā }^¦	CĐĂ₩WCĐĀÌĎ•OÁ¢^}•A[*}^¦Á,*ÓÁ¦æac;æ•@`¦ ※₩₩₩Á;æ•@;¦Æa;Á¦*•@Á;ão@Ás[]Á;-Á**ãā^È					

FÈXXXÖãæ•^{ à |^Áxx) åÁ^]æãÈ

Mower turns slowly or not at allÈ	FEÁÔ[}cæ{ ā]æ}o•Á Á₩Á^•da8cā]*Á][[Á₩Á[çx^{ ^}oÁ§Á Á₩Áçæ‡ç^Áa[å°ÉÁ	FEXXXVV { [ç^Áæ+*^Á, * ơÁ; } Ám ám ^Á; -Áæ+*^ AXXXXX æ æ ç ^Ám [& Àm ŽV { [ç^Án] ¦ ā; * Émæ+ å Á* • ^ AXXXXX ^ ^ å ^ Á; [• ^ Áp ã* ^ Á; ¦ā Á; Á; Á* Á*] [[AXXXXX [{ Ám 8 \ ÈÔ @ & Ám 8 \ Ám å å Á*] [[AXXXXX [Ám 8 \ ÈÔ @ & Ám & Ám & æ & @ • È AXXXXX [Am Am Am Am Am Am Am Am Am Am Am Am Am Am
	CEÁÙ '&cā[}Á[ā]^• Á∰(à•d`&c^åÁ HÈÁŠ[,Á[āÁ(^ç^	#####################################
Pump will not work	FĚÓ¢&^••ãç^Á, ^æ÷ Á∰(}Á§j c^¦}æpÁjæd••	FÉÁ MÁÖãaæ••^{à ^Áæ)åÁ^]æãiÈ

 $\begin{array}{l} & \text{PUVO}(\hat{A} \otimes \hat{A}) \\ & \text{PUVO}(\hat{A$ $Q\hat{h}(\hat{a}_{1})^{2} = \hat{A}(\hat{A}_{1})^{2} + \hat{A}(\hat{A}_{1})^{2} = \hat{A}(\hat{A}_{1})^{2} + \hat{A}(\hat{A}_{1})^{2} = \hat{A}(\hat$ } { a^|A @ , } A A @ A|[} o & ç^|A A @ A| a) a = E

FĚÓ¢&^••ãç^Á, ^æ

Á (Å) A (Å)

Tæāje^}æj&^ÁÛ^&cāj}ÁjË

Motor will not work

	Torque for Standard Fasteners												
Nominal Dia.			\rangle	Grade 2		>	Grade 5			Grade 8			Grade 9
Dia.	per inch	Tig	htening Tor	que	Tig	htening To	rque		htening Tor	que	Tig	htening Tor	que
	111011	Lubed	Dry Plated	Dry plain	Lubed	Dry Plated		Lubed	Dry Plated	Dry plain	Lubed	Dry Plated	Dry plain
(in.)		K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20
					Unit	fied Coa	rse Threa	ad Series					
1/4	20	49 in-lbs	59 in-lbs	66 in-lbs	76 in-lbs	86 in-lbs	101 in-lbs	107 in-lbs	122 in-lbs	143 in-lbs	126 in-lbs	143 in-lbs	168 in-lbs
5/16	18	101	122	135	157	178	209	221	251	295	259	294	346
3/8	16	15 ft-lbs	18 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	31 ft-lbs	33 ft-lbs	37 ft-lbs	44 ft-lbs	38 ft-lbs	43 ft-lbs	51 ft-lbs
7/16	14	24	29	32	37	42	49	52	59	70	61	70	82
1/2	13	37	44	49	57	64	75	80	90	106	94	106	125
9/16	12	53	63	70	82	92	109	115	130	154	135	153	180
5/8	11	73	87	97	113	128	150	159	180	212	186	211	248
3/4	10	129	155	172	200	227	267	282	320	376	331	375	441
7/8	9	125	150	167	322	365	429	455	515	606	533	604	710
1	8	187	225	250	483	547	644	681	772	909	799	905	1065
1 1/8	7	266	319	354	596	675	794	966	1095	1288	1132	1283	1510
1 1/4	7	375	450	500	840	952	1121	1363	1545	1817	1597	1810	2130
1 1/2	6	652	783	869	1462	1657	1950	2371	2688	3162	2779	3150	3706
						Fine TI	nread Se	ries					
1/4	28	56 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	
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 = 0.20 for plain and dry conditions

K = 0.20 for plain and dry conditions

D = Nominal Diameter F = Clamp Load

			Torqu	e-Tens	ion Re	lations	hip for	Metric	: Faste	ners		
			Class 4.6			Class 8.8			Class 10.9	9	Clas	s 12.9
											<i>F</i>	\neg
	_	· (4.6)		8.8)		10.9)	∢	12.9
		'	\searrow	′						,	/	_/
Nominal	Pitch	Tigl	ntening To	rque	Tig	htening Tor	que	Tig	htening To	Tightening Torque		
		Lubed	Dry Plated	Dry plain	Lubed	Dry Plated	Dry plain	Lubed	Dry Plated	Dry plain	Lubed	Dry plain
Dia.		K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.20
(mm)		(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)
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	8.0	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 lo	ad calc	culated as	75% of th	ne proof lo	ad for spe	cified bolts.	K = 0.15 f	or "lubric	ated" cond	itions	D = Nomir	nal Diameter
All torqu	e value	es are list	ed in foot-	pounds			K = 0.17 f	or zinc pl	ated, dry c	onditions	F = Clamp	Load
Forque v	alues	calculated	from form	nula T=KDI	F, where		K = 0.20 f	or plain a	nd dry con	ditions		

Tængi e^}ængi &^ÁÛ^&cna[}ÁiÉ

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Description	Application	General Specification	Recomended Mobil Lubricant
Vlæ&k[lÁR^ålæĕ a&∙Á	Ü^∙^¦ç[ã	RÖËG€Ô TØÁTFFHÍÐ FFIF ØÞPTGÔFHIÖÁØÞPG€FD	T[àã∔¦ĭããÁiGi
T[,^¦ÁP^妿ĕ &&•Á‱ Ô[åÁv^{]^¦æeč¦^•Á√e∞Án ÙæddËW]		OÙUÁIÎÁO ÇGËY^æEŠ[¸Á^{]	T[à ā/Ö VÒÆÍT
Þ[¦{æ∳Á^{]^¦æĕ¦^•Á F€»ÁØÁÙædÖNJÁ‱	‱\ ₩\	RÖËG€Ô TØÁTFFHÍÐ FFIF ØÞPÁTGÔFHIÖÇØÞPG€FD	T[àã∔¦ ããÁn GIÁ
Þ[¦{æ‡ÁV^{]^¦æc`¦^∙Á FÍ»ÁØÁÙæ⇔kóÁV]		Où∪ÁiÎÁOE;caËY^æ	T[à ā/Ö VÒÆÍ
Pâr@ÁU]^¦æeāj*Á/^{]È O5a[ç^ÁJ€»ÁØ		QÙUÁF€€ÁQE, caËY^æ;	T[àãÁÖVÒÁFÌT
Ø æ j ÁÜ^ælÁÕ^ælà[¢Á‱	₩Õ¦^æ^	ÚŒIJÂÛ^}ơ@ơæÁÔ¢d^{^ Ú¦^••ˇ¦^ÁÕ^æJÁЎà^	T[àāļÁÙPÔÁÍÍYËÜ€ T[àãļÁFÁÙ^}c@cô&ÁŐ^æ
Ô` cc^{AÛ @ee4BAŐ;[`}}å# Ü[^{AÛ @ee42Ae#D	₩Ю́¦^æ•^ Õ*}	Šão@ã{ EÖ[{] ^¢ Ò¢d^{ ^ÁÚ¦^••`¦^ ÞŠÕOBÖÜJUÁHG€	T[àấ‡*¦^æ•^ÁÔTĒÙ
Ö¦ãç^ÁÙ@ecÁÔ[ˇ] ^¦ ÇZ æã[Áse) åÁÜ[œef^D	Õ{^æ^ Õ`}	Šão@ā{ ËÖ[{] ^¢ Ò¢d^{ ^ÁÚ¦^••`¦^ ÞŠÕODÄÜÙUÁHG€	T[àā[*¦^æ•^ÁÔTĒÙ
Ölãç^ÁÙ@ecóŸ[\^Ê WÉTÇ ãJoÁBÁÙC àÁÙ@ec	Õ{^æ^ Õ`}	Šão@ā{ ËÖ[{] ^¢ Ò¢d^{ ^ÁÚ¦^••`¦^ ÞŠÕODËÜÙUÁHG€	T[àā[*¦^æ•^ÁÔTĒÙ
Ó[[{ ÁÛ, ãç^ Ó[[{ ÁÔ^ ājå^¦ÁÚãç[o• ÇÜ[cæa^ÁSÁØ æãAŐ[[{ D	Õ¦^æ^Á Õ`}	Šão@ã{ ÁÔ[{] ^¢ Ò¢d^{^Á¦.'^••`¦^ ÞŠÕODÄÜÜUÁHG€Á	T[àā[*¦^æ•^ÁÔTĒÙ
Ö^&\ÁÓ[[{ÁÚãç[cÁB Ö^&\ÁÙq[]ÁÓEāb'∙d;^}c Ü[cæ}^ÆbÁd æãaD	Õ¦^æ^ Õ`}	Šão@ā{ ÁÔ[{] ^¢ Ò¢d^{ ^ÁÚ¦^••`¦^ ÞŠÕOŠÈÙ)UÁHG€Á	T[àā[*¦^æ•^ÁÔTĒÙ
Ö^&\ÁÙ] āj å ^ÇÜ[æ&^ D	Õ¦^æ^ Õ`}	Vãt^¦ÁÛ]ājå ^ÁŠ`à¦a&æ)c]æsoÁ,`{à^¦ÁGÎÍI €€€€	T[àãjão@ÁÙPÔÁGG€

Tænāje^}ænj&^ÁÛ^&cnāj}ÁniËJ

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POLYCARBONATE CARE AND MAINTENANCE

 $V@^{\dot{A}}_{1}^{1}_{1}^{1} = A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}} A^{\dot{A}}_{1}^{1$

ԊҌ DO ŐÁ/P ÒÁU WÚ ÒÜ ÔU Œ VÁP Œ ÜÖ ËÔU Œ V

FÈ Yæ @Á ãc@ÁæÁ đảÁ[| 'cā} \dot{A} = \dot{A} [æ] \dot{A} | \dot{A} |

IÈ Cōç[aã Ás@ Á • ^ Á; -Ásaà | æ•ãç ^ Ásu|^æ) ^ ; • ÉÁs ˇ ^^ * ^ • Ása) å Đ; | Á; c@ | Ásu|^æ) ā; * Ás[] | ^ { ^ } o•Ás@æcÁ; æð Á; æð Á; lÁ * [ˇ * ^Ás@ Ás[ææā] * È

Ô ŠÒ CEĐ CP, Ő Á CEŐ Ò Þ VÙÁY POÔ PÁ POEK Ò Á Ó Ò Ò ÞÁ ØU WÞ Ö Á VU Á Ó Ò Á ÔU TÚCE/COÓ ŠÒ Á WÞÖ Ò Ü Á ŠŒÓU ÜCE/U Ü Ÿ ÔU ÞÖ COYOU ÞÙK

OE `^[`• ÂÛ[| ` cā] }• Á ÂÛ[æ]• Áæ) å ÁÖ^ c^!* ^} o•

Y \hat{a} $\hat{a}^{\circ}\phi$ \hat{Q} FQ \hat{Q} \hat{Q}

U¦*æ) 2&ÁÛ[|ç^} o•

Þ^|^&I ËÚ|æ&^¦ V~¦&I ÁI €I G

O#48 @ |•

T^c@e)[| Q[];[]^|

OHÁ^•ãa atá l*æ; asá [c^} o Á @ | atá As^Á^{ [c^a Á ão sa Así Asi • A E

GRAFFITI REMOVAL

Ó c | Ás\|[•[|ç^Áçq | Á^{ [çæþÁ, -Á, ææ], œ ÉÁ, æd\ā] * Á, ^} Ás | \• ÉÁq] • œ & ÉÁ œ ÈÉ @ Á • ^ Á, -Á, æ• \ā] * Ázæ] ^ Éáæå @ • æç^Ázæ] ^ [| Áp] cÁ^{ [çæþÁ; [|•Á, [|·Á, ^||Á; |Áaæ], * Á, --Á, |å Á, ^æœ @ | ^ å Á, ææ] œ È

V[Á^{ [ç^Áæà^|•ÉÁ cã&\^¦•ÉÁ cã&\^¦•ÉÁ c&ÈÉÁ;@Á•^Á;-Á^¦[•^}^Á; ÁKTBÚÁ;æ}@cæá£á Á*^}^¦æ|^Á*~^&cãç^ÉÁY@}Ás@Á[|ç^}c _ā|Á|cÁ|°^}^dæe^Á cã&\^¦Á;ææ^¦ãæþÉæ}]|^Á@æóÁ@æáÁ&¦^^¦DÁ;Á/æ}&Áæê@•ãç^Áæ}åÁ;¦{ [¢Á^{ [çæ}È

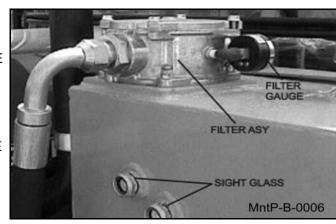
QTÚUÜVOE>MÁQÁnÁ,溦ãndÁs•Á[ˇ}åÁqíÁs^Ás,&[{]ænān|^Ás,ÁæÁ•@¦dĒº¦{Áơ•đÃnÁ,ā|Á·*æ|^Ás^Á[ˇ}åÁqíÁs^ 引 &[{]ænān|^Ás,Áo@Áæ\åeĚV@Ás[}ç^¦•^ÊŒ,^oç^¦ÊÃnÁ,[oÁnd,æ••Átˇ^ÊÉØæç[¦ænà|^Áj^¦-[¦{æ)&^ÆnÁ,[Áˇææè,ơ^ o@neÁnæScˇæÁY}åË•^Ás[}åãn]>•Áæçç^Ás^^}Ás´]|ãSææ^åÊÁV@¦^-[¦^ÊÁs@•^Á^•`|o•Á•@ˇ|åÁs^Á*•^åÁæe ÁæÁˇãnÁ,}|`æ)åÁnÁs**/&[{{^}}åña]>•ÈÁ

Tæafo^}æ)&^AÛ^&aaf}ÂnÉF€

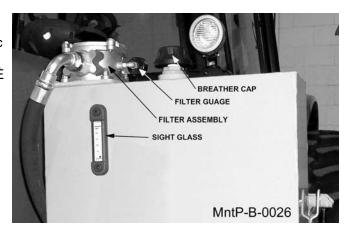
Ó[[{

RECOMMENDED FILLING INSTRUCTIONS FOR HYDRAULIC RESERVIORS

QÁ^[*|Á^•^!ç ā|!Á @æ Á; [Áā @c Á*|æ•^• kÁ Á/@!^• !^• !çā|!Á• @; |åÁà^Áā|^åÁq Ác@ Áq] Á[^Ác@ Á|[^!• a @A*|æ•^i[} Ác@ Á• aā^Á; ~Ác@ Áa) \ ÈÖ[Á; [ơḥ ç^!-ā|È V@ Á^•^!ç[ā Áœ Ása^^] Á; ç^!-ā|^åÁ, @} Á; ā/ās Áṣā ā|^ā Ás@ Á]] ^!Áā @Á æ• ÈŒÆæ) \ Áœ Á[[Á; *&@ḥ āĒÆœ ^¢&^• Á[æ Ása^ Á^¢] ^||^åÁc@[** @Ác@ Á] !^••* !ã ^å à!^æ@!È



QÁ [ˇ lÁ'^•^!çā lÁœ Á; } ^Árā @Á* |æ• Eð^{] ^ læč l^
æ ^KÁÁ @Á'^•^!çā lÁr @ ˇ |åÁà^Áā|^åÁṭ Áœ Á&^} &'
[Áœ Árā œÁ* |æ• Á; } Áœ Árā^Á; Áœ Áæ) \ ÈÖ[Á; [c
[ç^! Ëā|EĂœÁræ) \ Áœ Áç [Á; ¾ &@Á; āÊÁc@Ár¢&^••
{ æÁa^Ár¢] ^||^åÁc@[ˇ æÁæ Á; |^••• ˇ |ā ^åÁa!^ææ]!È



DETAILED MAINTENANCE

ÜÒÚŠŒÔOÞÕÁOÞËZŒÞSÁPŸÖÜŒKŠOÔÁZOŠVÒÜK

Š[[•^}Ác@Á[ˇ¦Áà[|ơ/á[}Ác@Á[]Á&[ç^!Á[-Ác@Áā]c\]
@*•ā]*ÈÁ^¦}Á&[ç^!Ás[ˇ]c\!Ë&|[&\, ā*^Á}cā/Ás[ç^!Ás--4^^ÈÜ^{{ [ç^Áa} åÁ^]|æ&^Áā]c\!ÈÜ^]|æ&^Á[]Ás[ç^! aà åÆ[ç^!Áa]|or/áş/á]]][•āc^á;¦å^!Áæ-Á^{{ [c^åÈ

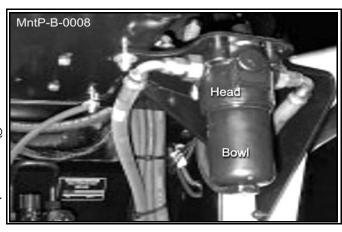


Tænāje^}ænj&^AÛ/&enāj}AiËFF

)] [Ò

DETAILED MAINTENANCE

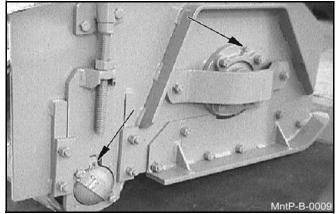
REPLACING HIGH PRESSURE HYDRAULIC FILTER ELEMENT:



•^aqā;*Áqæ•Ác@Áà[¸|Ár@; |åÁr]ā;Á;^^|ÈÁvæàā;*Ásæ;^Á;[cÁt[Áå;[]Ác@Áà[¸|ÊÁā;ār@Ár^{[çā;*Ác@Áà[¸|Á+[{Ác@ @æå:ÈÁWARNING: bowl will be full of oil!Á

GREASING CUTTERSHAFT -- FLAIL MOWERS

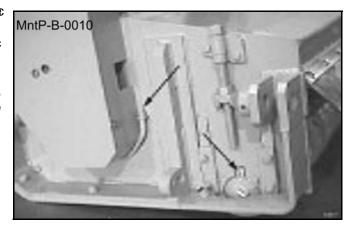
Š[&ær\Ár |^æ•^Á^|\•Á|\•Á|} Áræ&@^N} åÆ| Æx œ^\•@ææ@ DÊ
c@•^Áæ\Á|[&ær\åÁ[} Ár@^Áà^æð]* Á&[ç^|EÁÞ[|{ æ|
&[} åãã] }•Á!^~ ã^Á[}^Á[!Áç [Á] ~{]•Á∄ Á^æ&@
à^æð]* ÉÃ*•∄* ÁŠãœã { EĎ[{] |^¢ÁÒ¢d^{ ^ÁU|^••* |^
* |^æ^Á&[}-ã{ ∄*Á[ÁrŠÕœ⊞Ü)∪ÁrO€Á] ^&ãæææð] }•È
∨œð Æð Ág[}^Á ãæÁæ æð] àæð Ár |^æ^Á* } Áðæðî
[|ÁæÁ8 hour intervals. CAUTION: Over greasing
may cause premature seal failure.



Tænāje^}æn}&^ÁÛ^&cnai}}ÁiËFG

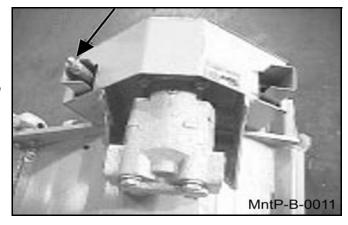
GREASING GROUND ROLLER SHAFT-- FLAIL

Š[&æe* Á* |^æ•^Á ^|\• Á[} Á•æ&\ Á•) å Á[-Á[||^!Áč à^Áæe* || , ^!Á•) å Á[-Á[||^!Áč à^Áæe* || , ^!Á•) å Á[-Á[||^!Áč à^Áæe* || , ^!Á•) å Á[}•Á•^ˇ ã^Á[}•Á•] ^Á[] • Á• Šãæã { ËÔ[{] |^¢ Ò¢d^{ ^ÁJ|^••`!^Á!^æ•^Æ[} -[!{ ā*Á[Å•ŠÕŒĒŪUU HO€Á•] ^&ā&æā] }•ÉA V@ā Áā Á(Áà^Æ[] ^Á, ãoææe• œa) åæbåÁ*!^æ•^Á* } Áåæá§ Á[!Áæe/8 hour intervals. CAUTION: Over greasing may cause premature seal failureÈ



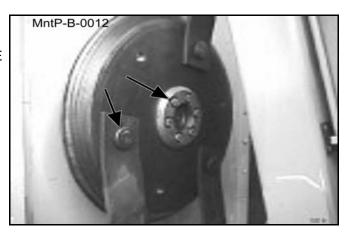
ADJUSTING/CHECKING BELT TENSION

\[ÁsaåĎ • OÁà^|OÁc^} • 頁} Á; |Á^| |æ&^Áà^|oÁ; |Á|æāÁ& cc^| @ æåЁÁ^{ [ç^Á[ˇ | Áà[|o Ác@æÁ^^& ˙ |^Ác@Áà^|CÁ&[ç^| 益\[c^K@ Á@ ¢Á; ˙ o Á @ ¸ } Áà^|[¸ Á&æ) à^ÁæåĎ • c^âÁq Áş &!^æ^Fā^&!^æ^Ac@Áà^|CÁc^} • 頁} æÁ;^^å^åÈÁÇDUVÒKÁŠ[&æã] } Á[ÁæåĎ • c' ^ } cÁ; ˙ o { æÂçæî ¼; Á|æāK& cc^| Á@ æå • ÈÆBe sure to replace the belt cover BEFORE operating mower!



TIGHTENING KNIFE BOLTS AND DISK BOLTS:

 $\begin{array}{l} \text{CEe} \left(\frac{A}{V} \circ \right)^{A} \stackrel{A}{A} \stackrel{A}{Q} \left(\frac{A}{V} \right)^{A} \stackrel{A}{A} \stackrel{$

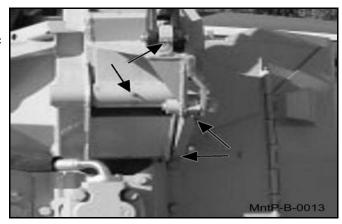


Tæāje^}æ)&^ÁÛ^&cā[}ÁiЁH

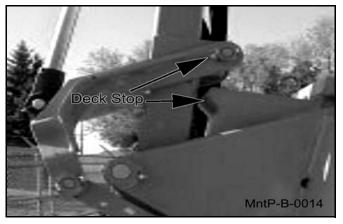
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GREASING POINTS ON BOOM AND PIVOT

Š[&æe^Á*!^æ•^Á^!\•Á;}Áå^&\Á;Āāç[ơ♠•^{ à|^ÊĀ;}Áo@ å^&\Á^}åÁ[-Á•^&[}åæê^Áà[[{ ÊÁæeÁ(æā;Ð^&[}åæê^ à[[{ ÁÁpā;dÊÁæ)åÁææÁ,ãç^|Á^}åÁp.-Á;æājÁà[[{ ÈÁQÞ/&c Šão@ã { ËÔ[{]|^¢Á Ò¢d^{ ^Á Ú!^••`!^Á:|^æ•^ &[}-{¦{ā;*ÁqÆ•ŠÕOSËŪÙUÁHO€Á•]^&ãæ38ææāi}}•Á`}dā; *!^æ•^Áà^*ā•ÁqÁ;Í{ d`å^Á;[{ Á^}å•È



DECK STOP ADJUSTMENT



GREASING SPINDLE

Š[&æe^Á*¦^æ•^Á-āncāj*Áį} Áāj•āā^Á[-Áå^&\ÁQ` •āj*È Qub'&oÁ Vā^¦Á Ù]ājå|^Á Š`à¦ā&æ)dÉÅ]æbóÁ} { à^¦ €ÎÍI€€€€Á3jq[Á]ājå|^ÁQĮ`•āj*ÈÁOāļÁ¸ão@Á|`à¦ā&æ)c `}dāÁ|`à¦ā&æ)oÁ¸^^]•Á[`oÁ[-Áq]]āå|^Á•^æÈ Š`à¦ā&æe^Án]ājå|^Á,^^\|^Á;¦Ánç^¦^Á,€ÁQ`¦•Á;-Á•^È

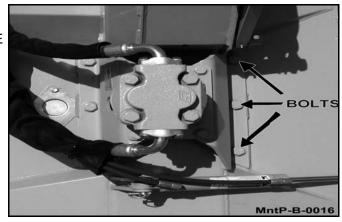


Tænāje^}ænj&^ÁÛ^&can[}ÁiËFl

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TIGHTENING SPINDLE BOLTS

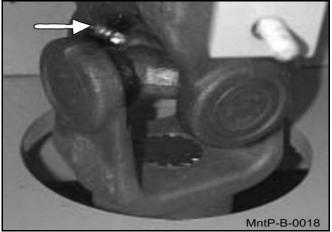
V@Á;]ājā|^Á;[ˇ]cāj*Áa;[o•Á;@¸ˇ]åÁa^Á&@&\^åÁæ)å
!^dː ˙ ^åÁaæaāj´Á;!Árç^\!^Â;Á@¸ˇ!•Á;Ár^!çæR^ÈM;!˙ ` ^
c@ÁÇÎDÁa[|o•Á;@¸}Áa^|[¸Á;ÁHÍÏÁa!^Á;!ÁHFÍÁdEÄ|à•È
|ˇà!æ&æe^åÈ

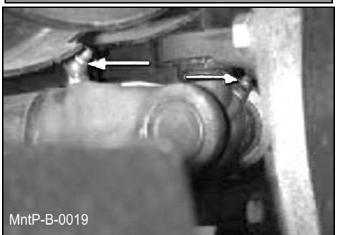


GREASING PUMP DRIVE SHAFT COUPLER

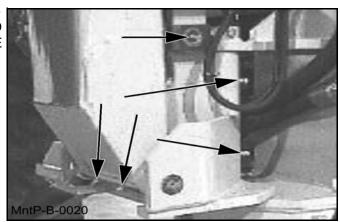


DRIVESHAFT YOKE, U-JOINT STUB SHAFT





GREASING THE BOOM SWIVEL

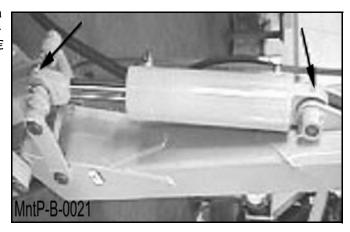


Tænāje^}ænj&^Áû/^&cnāj}ÁniËFÎ

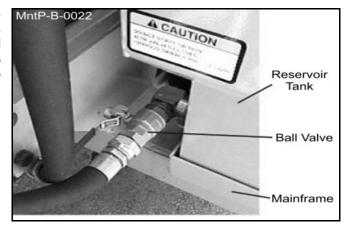
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GREASING BOOM CYLINDER(S) PIVOT POINTS

$$\begin{split} &\tilde{S}[8 \cos^4 \hat{h} @ \hat{A}^1 \backslash \hat{A}_1] \hat{h} \hat{o} @ \hat{A}_1^* \cos^4 \} \hat{a} \hat{h} \cos^4 \hat{A}_1^* \hat{A}_1^* \hat{A}_1^* \hat{A}_2^* \hat{A}_1^* \hat{A}_1^* \hat{A}_2^* \hat{A}_1^* \hat{A$$



BALL VALVES



Blades

Ô@&\Ár@ÁÓ|æå^•Á[¦Á&¦æ&\•Áæ)åÁ¸^ækÁæ)åÁÓ|æå^ÁÓ[|o•Á[¦Árãt@}^•••ĒÅåæāfĒÉÓ|æå^•Á•@`|åÁà^Á^]|æ&^åÁ¸@} c@^Áæd^Á;[¦}Ár¢&^••ãç^|ĒÁà^{dÉá^-{¦{ ^åEÁ; ¼, °óf, Ááææ) &^È

A CAUTION

Important







A WARNING 🕰 ADVERTENCIA TO AVOID SERIOUS INJURY PARA EVITAR LESION SERIA AND DEATH FROM THROWN O MUERTE POR OBJETOS OBJECTS: LANZADOS: MAKE CERTAIN blades · ASEGURE que las cuchillas giran rotate the correct direction. en la dirección correcta. **BLADE ROTATION ROTACIÓN DE CUCHILLAS** Return Pressure Propión I Betamo

ROTARY KNIFE REPLACEMENT

- FÈ Ó^Á' \^Á['Á@æç^Áæá&[{] |^c^Á; ææ&@} *Á^oÁ; Á} ãç^•Á; \Á^] |æ&^{ ^} cÈ
- HÈ Š à ^Ác@^æå•Á, ãc@Áæ) cã ë ^ã ^ÉQ0• cæ|Áå[|ọ•Ác@[* @Á) ã ^Áæ) å Ååã à \Á¦[{ Áà[cq[{ Áàãa ^Á; Æåã \ Eà|æå ^Áàæ ÈÁ Q0• cæ|Á, ^, Á•/-É[&\ã] * Á; *ó Áæ) å Áá[i ` ` ^Ác@{ Át Â.€ÉÁcĒÁ} È
- IÈ V@Á}ãç^•Á@[ĭ|åÁ,ā;*Á¦^^|^Ág Áæà•[¦àÁ@]&\•Á;[{Á[]æ&oÁ;@}Ádãā;*Á;àb/8æ•ÈÁ

≜WARNING

WHEN CUTTING HEAVY BRUSH, KNIFE BOLTS SHOULD BE INSPECTED HOURLY AND RETORQUED TO 800 LUBRICATED FT. LBS.

REPLACEMENT OF ROTARY DISK/BLADE BAR

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

- FÈ V@ Áa[|œ Áa@æÁaææ&@Áa@ Áaã\Áq Áa@ Áa] āj å|^Á; ˇ•oÁa^Át¦æå^Ái ÈÁv@•^Ái ĐÌÁāj &@Áa[|œ Áæ¢^Áq Áà^Áq ¦˘ ˇ^åÁq Gel Áa; Âi, Árì I ÁAdÉqà•Á; àt a&æc*åÁ, āc@Ás[&cæc*ÁG] FÈ
- QÈ OZÁGQ^a&A[8\ā; *Áet^} oÁ; æê Á\A&d] | 3\åÁf ÁGQ^a&A Á; Ásd|Á; [`} cā; *Á\[|• Á\^{; '} cā; *Á\[|• Á\^{; '} A&Q^ Á\; cæ|/åÈ
- HÈ Disks must be inspected daily for hairline cracks between spindle mounting bolts or around the knife knounting bolts. These cracks indicate metal fatigue caused by severe abuse. If cracks are present the disk must be replaced.
- IÈ Q•]^&cÁc@Áåã\Á([ˇ}cāļ*Áà[|o•ÁåæāfÁ, @}Á&@&\ā]*Ácāt@}^••Á[-Á\}ã^Á([ˇ}cā]*Áà[|o•ÉÁQÁæÁåã\{[ˇ}cā]*Áà[|o•ÉÁQÁæÁåã\{[ˇ}cā]*Áà[|o•ÉÉŒÁ, *o•Cá}AÁ\{[ç^åÉÁc@^æå•Á&|^æ)^åÉÁ;^•@Ác@^æåÁ[&\ā]*Áœt^}oÁæa]]|ā\åÉÆæ)å
 cāt@^}^åÁq[Ã;[]^¦Áq[ˇ`^Áçæţ`^È
- ÍÈ QÁĐÁ}ã^Á;[ˇ}ợ¾*Áà[|ơਓ‡Á[[•^ÉÁœ@Á^|Á|8&]‡Á¸ơÁ;ˇ•ơÁs^Á^]|æ&%åÁæ•ÁæÁæ•ĆÁ;¦^&æčợá]ÈÉŠ à¦æðææ° ơ@^æå•Á¸ão@Áæ;çãē-^ã^ÉÒQ•œæ|Áà[|œÁc@[ˇ*@Ák}ã^Áæ;åÁåã\Ðà|æå^Áàæ;Á-¦[{Áà[α[{Á÷ãã^ÉÓQ•œæ|Á•^|~ |[&k]‡Á,ˇœÁæ;åÁq;¦`ˇ^Áœ&{Áq;Á;€ÉÁdÉjà•È

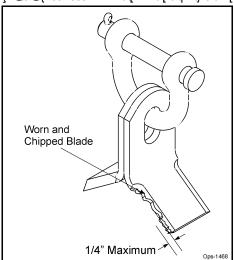
Tænājo^}ænj&^Áù^&onāj}ÁnÜFJ

Flail Blades Inspection

A DANGER

- \tilde{C} \tilde{C}
- "Y^ækÁş, •ãå^Ás@^Ás|æå^Ás[|oÁ@||^ÉÁ;|
- "OE; ^Á&; æ&\ Áæ; ^Áçã; ãã | ^ÉÁ; ¦Á
- Ű^^]Á*[**^•Á§Áo@Áá|æå^qÁ*¦~æ&^Áæ\^Á;¦^•^}d£Á;¦
- ~~ Õ[* ^ Á; ¦Ás@ã]] ^å Áseb ^ æe Á§ Ás@ Ás° ccã, * Á°å* ^ Áseb ^ Ázeb * ^¦Ás@æb, ÁF-Ð +Q`{ { □ΔÂ; ¦Á

DO NOTÁ dæð @^} ÉA @ed] ^} ÉA ^|åÁ ¦Á@edå Ëæ&^Áa|æå^•



OE æ • Á^] |æ&^Áa|æå^• Áā Á^o

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Tænf (°) ænf & ÁÛ^&cnf } Án ÉG€

Blade Pins and D-Ring Inspection

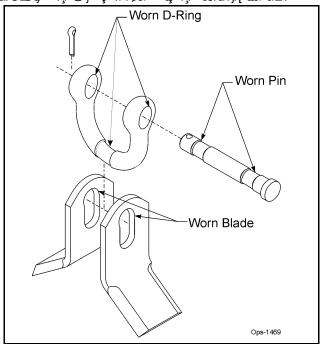
Q•]^80/Ó|æå^ÁÚā,•Áæ) å/ÖËÜā, *•Áåæãf, Á[¦Á, ^æ/Á;¦Áåæ(æ*^Áæ Á[|[, •KÁ

A DANGER

Q.•]^&oh@AÓ|æå^Ájā]•ÁæjåAÖEÜāj*•ÁåæäjîÁ[¦Áæà}[¦{æþÁ^ædETæ\^Ái`¦^Áo@Á&[œ^¦Ájā]•Áæ}^ ājÁj|æ&^ÁæjåÁj¦[]^¦|^Ár]¦^æådEÜÒÚŠOBÔÒÁÓŠOBÖÒÁÚāj•ÁæjåAÖEÜāj*•ÁOTTÒÖOOE/ÒŠŸÁÆÁ@^ @æç^K

- ″ Xãaãa|^Á&¦æ&\•Á\¦

OE, æê•Á^] |æ&^Áx@^Á, ā]•Áæ) åÁÖEÜā, *•Á, @}^ç^¦Ár¢&^••ãç^Á, ^æ;ÁærÁ; [æ&^åÈÁ



Important

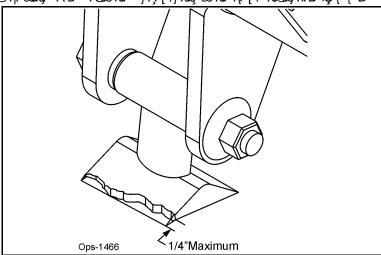
Tægic^}æ) &^ÂÛ^&æji}ÁjËÐF

Flail Axe Blades Inspection

A DANGER

 $Q \bullet] ^ \& \acute{A} \circ \mathring{A} \circ \mathring{A} \otimes \mathring{A$

- \tilde{C} \tilde{C}
- "UçækÁ @æk ^Á, ^ækÁ§ ãã^Ás@ Ás æå ^Ás [| oÁQ | ^ÊÁ; |
- "OF, ÂS, æS, Ás, ã ãa | ^ ÊÁ, ¦ Á
- Ű^^]Á[**^●Á§Ás@Ás|æå^qÁ*¦~æ&^Áæd^Á;¦^•^}dÁ;
- ″Õ[**^•Án;¦Ás@anij^åÁsek^æ•ÁspiÁs@∘Ás*cœaj*Ánå*^Ásek*^¦Ás@æ)ÁFÐÐ+Q}{ DÐÁn;¦Á.



Ott, æê•Á^]|æ&^Áa|æå^•Áa, Á^o•

Important

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A CAUTION

Þ^ç^¦Ásæc^{] CÁ[Á•@ed]^}Ási|æå^• ÉXXXXXOPS-U-0042

Tænag e^}æng &^ÁÛ^&cnag }Á ËGG

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Flail Axe Blade Bolt Inspection

Q•]^&oÁÓ|æå^ÁÓ| [o•Áåæáf Á;¦Á,^æÁ,¦Áåæ; æ*^Áæ Á; ||[...•K

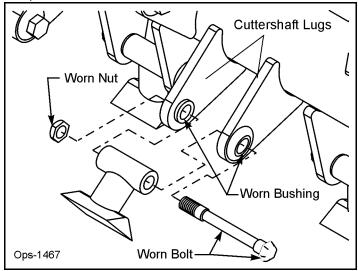
A DANGER

Q.•] ^&oÁc@ ÁÓ|æå^ÁÓ[|oÁsæã] Á; ¦Áæà} [¦{ æÁ, ^æÞÁÜ ÒÚ ŠŒÔ ÒÁŒŠŠÁÓŠ ŒÖ ÒÁÓU ŠVÙÁ[} Ác@

- Xã ãa |^Á&¦æ&\•Á\¦
- QÁs@ Áà|æå^Áà[|ơÁã Á; [¦}Á;!Áæ) ^Á^&^••^åÁæd^æÆā Áçã ãà|^Á;}Ás@ Áà[|dŹá;¦
- QÁÓ | æå^ÁÓ | | oÁææ Á [**^•Á ; Á&æ]] ^å Áæ Aæ ÉÁ; ¦ QÁÓ @] * Áæ Á[[•^Á§ Áæ ÁÜ [₫ ; ÁÙ ææ È

Øædi`¦^Áq[Á,^]|æ&^Áæà}[¦{æ||^Á,[¦}Áà[|•Á;|4à`•@3*•Á;æâÁq Á&æææd[]@3&Áædi`¦^Á[√Áœ)Áà|æå∧•Áæ)å ^b/8cq1} /n - A5@ /n | [\^} /n extor (\) @ 8c@n extor (\) & \(A \) | A \(A \) & \(A \) | A \(A \) & \(A \) | A \(A \) & \(A \) &

Off. æ • Á^] |æ&^ ÁÓ|æå^ÁÓ|æå^ÁÓ| |œ Á, ão@Á,^, Áà[|œ Áæ) å Á,^, Áà * • @ * • Á, @ } ^ ç^¦Á^] |æ&ã, * Á∞ ÁÓ|æå^• ÈÁ/[Áæã @ ^} Áà[|œ Áæ) å Á; |œ Áæ, * Áæ, • [] * Á¦^^|^ Áð åÁ [ÓÁs^} åÁs@ Á&` co^¦• @eoÁ` *• ÉÁQÁ&` co^¦• @eoÁ` *• Ásd^ Ás^} oÁ[*^c@¦ Ás^&eŏ •^Á, Á; ç^¦Ázð @e^}]] * c@ Áà|æå^• Á, ã|Á, [Á, ¾ * Á, ^^|^ÈÁÁÓ OPS-U-0043



Tænfc^}ænf8^ÁÛ^&cnf}ÁnfECH

50" FLAIL KNIFE BLADE REPLACEMENT (Light Brush Grass)

- FÈ QÁ}ãç^•Ásèç^Áåæ{æ‡^å/fi;/Áàæåj^Á;[;}Êfc@^Á;ā|/Á,^^å/fi;Áà^Á;Áà^Á^]|æ&^å,Ææ ÁæA^oŒÂÛ;/]|æ&;ā;*ÁæÁ;ā;*/pÁ}ã^ &æ)Á&æ;◆^Á;^ç^¦^Á;}ã^Á&æ)Á&æ;◆^Á;^çã;¦œá;}Áæã; Açã; æã;}Áæã; Aæ; AÁ; [••ã;|^Áåæ; æ‡^Á; Ác@Á; [¸^¦ÈÑ/@Á;}ã^ • @ `|åÁ<u>[o</u>Áà^Á¸^|å^åÁ¸} Á[¦Áæ) ^Á^æ•[}È
- Œ OF, æ;•Á^] |æ&^Ác@Á} ã^Áa[|•Á, @}Á^] |æ&ã, *Ác@Á} ãç^•ÈÄÖUÁ>UVÁÜÒWÙÒÁ/PÒÁ SÞOZÒÁÓUŠVÙÁUÜ ÞŴWÙÈ
- ΗÈ OĒ•^{à|^Á}āç^•Ē\$ā`•@3;*•Ē\$ā[|o•Á\$a)åÁ;ŏ•Á\$o•Á;@};}Ā\$jÁÚæċo•ÁÛ^&@ā;}Á;Ā@@Á;æ)±æ¢Ē
- ۱È Q • czellÁc@ ÁI &\ ā * Á@ ¢Á * cÁ [Ác@æcÁ@ ÁlæcÁæ&^ Á -Ác@ Á * cÁā ÁI . zelå • Ác@ Á } ã^ È
- ĺÈ OE[]|^ÁŠ[&cãe^ÁGÏFÁ\¦Á^~~ãcæl^}cÁs[Ác@^æå•È
- îÈ V[¦~~Á, oÁ;Á, €ÁdÈÁà•ÈÁS}ã∧Á, ~•oÁ, ā, *Á¦^^|^È

AWARNING

ÖUÁÞUVÁ^Ë•^Ác@Á[&\ā*Á@¢Á;~œÁ;¦Á;[`}cā;*Ác@Á;}ã;^•ÉQÁ@¢Á;~óÀ^&[{^•Á[[•^É4;] ¦^``ā^åÁ¦^{ [çæþÁ-[¦Ál}ã^Ál^]|æ&^{ ^}oÁ[¦Áæ}^Á|o@¦Á¦^æ•[}ÊÁc@^Á,`•oÁà^Áåã&æååååÁæ}å ¦^]|æ&^åÁ,ão@Á,^,Á,˘o•È

50" FLAIL KNIFE BLADE REPLACEMENT (Medium Brush Grass)

- QÁ}ãç^•Áseţ^Áåæţæt^åÁt¦Ásæså|^Á;[¦}ÊÁs@^^Á;āllÁ;^^åÁt[Áscál] |æ&^åÁsæ•Ásæ•Ásæ•Ásæ•Ásæ•Ásæ†*Ó£ÄÜ^] |æ&ā;*Ásæ†*Á;}ã^ &æ;A&æ;•^Á;^ç^¦^Á;}ã^Á&æ;A&æ;A&æ;•^Á;^ç;\^Áçãslæsā;}Åæ;åAj[••ãsl/^Ásæ;æ*A4;Ác@Á;[, ^¦ÈN/@Á;}ã^ ΪÈ • @[`|åÁ<u>| c</u>Áà^Ả ^|å^åÁ| À[¦Áæ) ^Á^æ• [}È
- ÌÈ OE. æê•Á^] |æ&^Ác@Á} ã^Ás[|œÁ, @}Á^] |æ&ā,*Ác@Á} ãç^•ÉÖUÁ>UVÁÜÒWÙÒÁ/PÒÁ SÞØÖÒÁÓUŠVÙÁUÜ ÞŴWÙÈ
- JÈ OĒ•^{à|^Á}āç^•Ē\$ā`•@3;*•Ē\$ā[|o•Á\$a)åÁ;ŏ•Á\$o•Á;@};}Ā\$jÁÚæċo•ÁÛ^&@ā;}Á;Ā@@Á;æ)±æ¢Ē
- F€È Q • cællác@ Áí & ã * Á@ ¢Á * cá [Ác@æác@ ÁlæácÁæ& Á Ác@ Á * cáá Ác . ælå • Ác@ Á } ã^ È
- FFÈ OE[]|^ÁŠ[&cãz^ÁGÏFÁ;¦Án``ãçæţ^}cÁ;Ác@;^æå•È
- FŒ V[¦~~Á, oÁ; ÁFG€ÁdĚÁà•ÈÁS}ã^Á; ~•oÁ; ã, *Á;^^|°È

ÖUÁÞUVÁ,^Ë•^Ác@Á[&\ā;*Á@¢Á;`•Á;¦Á;[`}ďa;*Ác@Á;}ãç^•ÈÁQÁ@¢Á;`óÁà^&[{^•Á[[•^Ê4;¦ ¦^~~ã^åÁ¦^{ [çæþÁ-[¦Ál}ã^Á.^]|æ&^{^}, Ál[Áæ}^Âfc@\¦Á'^æ=[}ÊÃc@^Á(*•cÁà^Áåã*&æbå^åÁæ}å ¦^]|æ&^åÁ,ão@Á,^,Á,ઁo•È

50" FLAIL KNIFE BLADE REPLACEMENT (Heavy Duty Brush)

- FHÈ QÁ}ãç^•Ásèç^Ásaæ(æ‡^å/fi;/Ásæåj^Á;[;}Éfs@^Á;ā|/Á,^^å/fi;Ásò^Á^]|æ&^å,Ææ ÁsæÁ^oŒÄÜ;/]|æ&;ā;*ÁsæÁ;ā;*/Á;}ã^ • @ | áA | óa ^ A ^ | a ^ áA | A | A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A | A A |
- FΙÈ Œ. æê•Á^] |æ&^ÁœÁ } ã^Ás[|œÁ, @}Á^] |æ&ā,*ÁœÁ } ãç^•ĚÖUÁ>UVÁÜÒWÙÒÁ/PÒÁ SÞŒÒÓÁÓUŠVÙÁUÜ ÞŴWÙÈ
- FĺÈ OE•^{ à|^Á}ãr^•Êàà˙•@a*•Êàà[|orÁsa}åÁ˙orÁsæÁs@]}Á\$AÁÚædorÁÛ^&cā}}ÁrÁs@Ásædrá@]
- FÎ È Q • cællác@ Áí & ã * Á@ ¢Á * cá [Ác@æác@ ÁlæácÁæ& Á Ác@ Á * cáá Ác . ælå • Ác@ Á } ã^ È
- FΪÈ OE[]|^ÁŠ[&cãe^ÁGÏFÁ\¦Á^~~ãcæl^}cÁs[Ác@^æå•È
- FÌÈ V[¦~~Á, oÁg ÁFÏÎÁdÈÁà•ÈÁS}ã^Á; •oÁ, ã, *Á¦^^|^È

AWARNING

ÖUÁÞUVÁ,^Ë•^Ác@Á[&\ā;*Á@¢Á;`•Á{¦Á;[`}cā;*Ác@Á\}ãç^•ÈÁGÁ@¢Á;`óÀà^&[{^•Á[[•^Ê4;¦ '\^``ā^åÁ'^{ [çæþÁ-[¦Á\}ã^Á\^]|æ&^{ ^}oÁ[¦Áæ}^Á|c@\¦Á'^æ=[}ÊAc@^^Á|` •oÁà^Áåã&æå^åÁæ}å ¦^]|æ&^åÁ,ãc@Á,^.Á,˘o•È

 $T \text{ add } c^{\wedge} \text{ add } 8^{\wedge} \hat{A} \hat{U}^{\wedge} \text{ add } \hat{A} \hat{E} \hat{G}$

©2015 Alamo Group Inc.

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63" BOOM FLAIL KNIFE REPLACEMENT

- FÈ QÁ}ãç^•Áœ¢^Áåæq æ‡^åÁ¸¦Áàæå|^Á¸[;}ÊÁœç^Á¸Ä¸IÁ¸^^åÁq¸Áæ^Áò^]|æ&¢åÁæé ÁæÁ^dÈÜ^]|æ&å;*ÁæÁ;ā;*|^Á}ã^ &æ;Á&æě•^Ár^ç^;^Áşãa;æã;}Áœ;åŸ[••ãa|^Áåæé;æ‡^Áq¸Á;ÁœÁ;[¸^¦È
- QÈ $\nabla \bullet \wedge \{ a | \land A \} \tilde{a}_{\alpha} \wedge \bullet \tilde{E}_{\alpha} \wedge \hat{e}_{\alpha} \tilde{E}_{\alpha} = \tilde{E}_{\alpha} [| \bullet \land B_{\alpha} \rangle a / \bullet \bullet \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \rangle A / \bullet \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \rangle A / \bullet \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \rangle A / \bullet \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \rangle A / \bullet \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \wedge \hat{e}_{\alpha} \rangle A / \hat{e}_{\alpha} \wedge \hat{$
- IÈ OE[]|^ÁŠ[&cãt^ÁGÏFÁ;¦Á*~~ãçæt^}cÁs[Ác@^æå•È
- ÍÈ VỊ; "^Á, "CÁĘ ÁHÍ ÁZ VỀŚĆ Ú ỀŚS) ú Á, "• CÁ, ¾ * Á; ^^ | È

AWARNING

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.

AWARNING

Knives should not be welded on for any reason.

HEAVY DUTY SPINDLE ASSEMBLY INSTALLATION AND BEARING ADJUSTMENT

WARNING!ÁŒÁ; \^••ÁT WÙVÁà^Á •^åÁq Á¸\$•œ╡Áà^æá¸*Á&`]•ÉÀà^æá¸*Á&[}^•ÉÀò åÁ·^æфÈÖUÁ>UVÁ •^ÁæÁææ; { ^¦ q Á¸\$•œ╡Áæ&^•Éàà^æå¸*•ÉĀ; Á^^æфÈÓ Ø¸Á;æċ•Á; Áæ••^{ à|`Á; æ Áà^Áàæ; æ *^åÈÁ

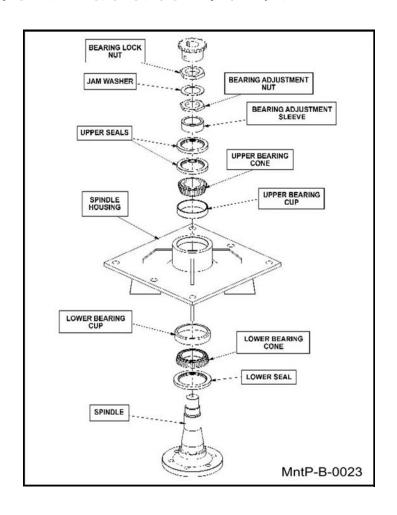
NOTEKÁV@Át¦^æ^Á^¦\Áæ}åÁtˇ••^œÁæ}^Á[8ææ^åÁ[}Ás@Á[]Áaå^Á[-Ás@Á]]ājå|^Á@ˇ•āj*ÈÓ^Á*¦^Ás@Á]ājå|^Áæ æ•^{ à|^åÆ[;!^&dîĚA

Ó^Á`¦^Á[Á,^æÁ^^Á,\frac{A};[c^&ca]}Áæ)åÁ;c@;Á;[c^&caç^Á``a]{^}oÁæA,^^å^åÅ;@}Á;[i\a,*Á;]ā;å|^Áæ•^{{a}^È

Tænag (*) æng & A ÁÚ A & Æng } Án É E Á

THE SPINDLE ASSEMBLY

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MntP-B-0024

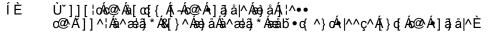
MAINTENANCE

UPPER

BEARING CUP

BEARING INSTALLATION

- FÈ Ú¦^••Áˇ]]^¦Áà^æðā,*Á&ˇ]Æş ([Ác@·Á•]ā,å|^ @)ˇ•ā,*E
- QÈ V°¦}Án@Án]ājå|^ÁQ0°•āj*Án;ç^¦ÁnanjåÁn;¦^••Áāj c@Án[¸^¦Ánà^æbāj*Án°]È
- HÈ Ú|æ&^Áx@Á[, ^¦Á\$^æā;*Á&[}^Æ\$,Áx@Á\$^æā;*
 &`]ĒÞÞ^¢ơ¸Î,Î^••Ác @Á•^æþ\$,ɗ,Ác@Á•]ā;å|^
 @`•ā;*ĒV@Á\$;}^!Áā;Á;-Ác@Á•^æþÁ;
 ÖUYÞĒÆ; æå•Ác@Á\$^æā;*ÉA;[Á;à¦ææ;ơæ;
 •^æ\åÆ;•ãā^Ác@Á@;•ā;*É





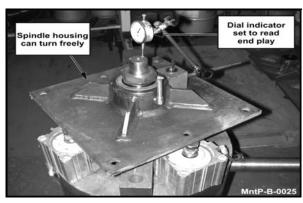
- ĬÈ Ú¦^••Ác@Áç[Á]]^¦Ár^æþÁşdÁgðájðjå|^Á@*•¾*ÉV@Áş}^¦ÁjðjÁ,Ác@Ár^æþÁ; *•óÁs^ÁNÚÉÆæçæÂ;[{ c@Ás^æðð*ÉA[Ár¢&^••Á;àlðæð;óÁsæð,Ar•&æð,^É
- ÌÈ Q•cad|Ác@Áà^ædā*Áæåbŏ•d;^}cÁy`óÁç@āÁy`dDÁ•[Ác@¦^ÁæáfæÉÐÐ+Á&|^ææaj&^Áà^c;^^}Ác@Á,`óÁæàjåÁc@ •|^^ç^ÈÁQ•cad|Ác@Áæd;Á;æ@¦ÊĴ|æ&dā;Á;@ÁæàÁājd;Áæ@Á^^Ë;æêÈQ•cæd|Ác@Áà^æðāj*Á[&\Áj`óÁç@ājÁ;dD æjåÁ@æjåÁçāt@c^}Áætæāj•óÁæd;Á;æe@¦ÁæjåÁæåbŏ•d;^}oÁy`dEÁU^^Ác@Áf;||[¸āj*Á•^&dāj}Áf;¦Áà^æðāj* æåbŏ•d;^}dĒ
- JÈ Ú[•ātā]}Ác@Á•]ā;å|^ÁQ;•ā;*ÁQ;iã[}cæ|^Á, āt@Ác@Áå;æā;ÁQ;|^Á;;ā>}c°åÁ‰]+ÈÁÕ;|^æ•^Ác@[`*@Ác@Á^;\ āc@Áðā^;ÁÙ]ā;å|^ÁŠ`à;ā&æ;dÁQ;a&d,`{à^;ÁÊ]Í|€€€€ÐÁ}cājÁo@Á;!^æ•^Á;';*^•Á;[{Ác@Áå;æā;ÁQ;|^È
- F€È Q• cæ|Ás@Á| * Á§ d Ás@Ás| æ§ Á@|^È

BEARING ADJUSTMENT

- CÈ Ú[•ãá]}ÁæÁ(æ*)^cæRÁàæ•^Áåãæ4Á3;åå8æ€[¦Á[}
 c@Á[*c*]Áåãæ4^c*;Á[-Áo@Á*]3;å|^Á@*•3;*È
 S[&æ*Ác@Á*)åÁ[-Ác@Á*ãæ4Á3;åä8æ€[;Áæ*æ3•°c
 c@Á|ææÁ*)åÁ[-Ác@Á*j]3;å|^Á*@ææÆW@Áåãæ4
 3;åä8æ€[;Á;_3[Á}[_;Á;^æ*`|^Áæ&:&`|ææ*|*
 à*æ43;*Á*)åÁ|æÉ
- HÈ Vã @^}Ác@^Áà^ædā *ÁæåĎ•d(^}cÁ)`cÁ`}dā c@!^ÁãÁÆFGÁā&@A[[ç^{^}cÁ]@}Ác@ •]ājå|^Á@`•āj*ÁāA¸Í!āNåÁ];æbåÁæ;æÂH;[{ c@^Áşã^Áæç,•E
- IÈ Y@}Ác@¦^Ána ÁÈEFCÁTA, &@Á¦^^ÁJ |æÁnà^c, ^^}
 c@Ár] ā] å|^Ána) åÁQQ ˇ•ā] *ÉÄTA•cæ|Ác@Ánà^æðā] *Á[&\Á; ŏÁÇQ®BR\Á; ŏCŒP[|åÁc@Áæåbŏ•cā] *Á; ŏÁr^&č¦^|^Ána) å
 cā @^}Ác@Á[&\Á; ŏÁ[ÁHE€ÁcÉÄ]à•ÉÁ[Á°Č
- ÍÈ CE¢\Á@Á[&\Á,*óÁnÁða*@^}^åÊð@\^Á; *•óÁn^ÁðE€FÁn,&@Án,ÁÈ€€HÁn,&@Án,Á\^^Án,|æÁ, @}Áða*@|^Án,¦^ð,*Á] [}Áx@Á]ða|^Á@;*•ða*ÉÁ

QÁc@Á^}åÁj|æêÁæíÁ&[¦¦^&dÉAE€FÁÐj&@ÁgíÁE€EFÁÐj&®Æðà^}åÁææà•Á´]Á[}ÁææjÁjææi@¦ÁqíÁj¦^ç^}dÁc@AÍ[&\Áj`oÁ√[{ |[[•^}∄j*È





Boom Cylinder Removal and Replacement Instructions

- FÈ Ô|^æ/kā@/kæ/^æ/kj.^kø|Aj.^\•[}}^|Aba^-{\^A[,^\a]*ka@/Ab[[{ Aj.[,^\A@/æb\È
- $$\begin{split} \text{HÈ} \qquad &\text{ `U@ of_i \sim 6.00 A_i$ as $0.1 $| $1.00 A_i$ as $0$$
- IÈ OE[[Ás@Án^•c^{Ás[Ás[[As[[As[[{Ác^{]}}]^{ac'}]^{ac'}]^{As}]^{[çā]*Áse}^{A@a'ae'}asAs[{][}^}o•
- ÍÈ Y^ælÁnæ^cÂt|æ∙•••Áæ)åÆa[]^}^dæà|^Át|[ç^•Á,@^}Á,[¦\ā,*Á,ão@Á@妿ĕ|a&A@(•^•Áæ)åÁãoā)*•È
- ÎÈ Ü^|^æ•^Áæ||ÁţāļÁ;|^••ˇ|^Á+[{Ás@Á@å|æĕ|a3cA&āl&ãoÁa^Á;æ);æ|^Á+d[\ā]*Áræ&@Áçæ‡ç^Ár^&caf}}Ájāc@Ás@Ádæ&Ë d[|Á*]**āj^Aţ~—ĒANcājā^Ás@Á;æ);æ|Áţç^||äā^Á*}&caṭ}ÁsÁ@Á}ãoÆá^Á;ãoÆá;Ár°žāj]^åÁjãoÆás;Ár|^&d;å&A;år@Ás}árja*A;åræås;Ár çæ‡ç^È
- ÏÈ Woājā^Áaj[&\•ÊÁase&\Árcæ)å•Á;¦ÁseÁrǎāaæà|^Á;ç^¦Á@ræåÁ@lāroÁ[Árˇ]][¦οÁs@rÁ;^Áz@rÁa[[{Ár^8cā[}Áse)åÁ |^{[ç^A;|^••ˇ|^Á4;|{Ás@rÁscî[ā;å^¦Á;[ˇ}cā]*Á;ā]•È
- ÌÈ Ô@&\Á[Á^^Á;@eÁ@Á@Á&^|ā]å^¦Á[Áà^Á^]|æ&^å/ásÁ;[cÁ}å^¦Á;|^••*;|^Ás^Á;[çā]*Ás@Á&;]ā]å^¦Ájā]•Ás^Á; @æ)åÈV@Ájā]•Ás@*JåÁs^Áj[[•^Ásæ)åÁs@*]åÁs|@å*Á¦[{Ás@Ajā;Ás[¦^Áræa;ā;ÈQÁs@Ájā]•Ásc}Ásā;@Áse)ë }[cÁs^Áj[ç^åÊás@Ás^Ás;]ā]å^¦Ájæ;Ás^Á}å^¦Áj¦^••*;|^ÈTæs^Á*;|^Ás@Ás[[{Ás[{][}^}o*Ásc}Áj;[]^¦]^;Á*]Ë][¦c*åÁse)åÁs@æÁs@Áj¦^••*;|^ÆsÁ^|āç^åÁ;[{Ás@Ásā&*ãtÁ
- F€È Ù|[, |^Á|[[•^} Ác@ Á@ 妿ĕ |æk&l] } ^ &cal] > ^Áq Ác@ Á&^ |aj å^¦ ÈÓæd^~ ||^Á } &l^, ÁQ ^ Áacaj * Áse) å Áse|[, Áse) ^ Á |^{ æal aj * Á; |^• ` |^Áq Áse| Ase| |, Áse) ^ Á | Ase| |, Áse) ^ Á | Ase| |, Áse| &loo extreme care. ÁJ aj Á; · oás ^ Ás[, | Ése) å Ás@ Ác &@ ase i Áse) Á @ ` |aá Ác æal å Á q Áse ^ Áse Ase ^ Át ál | Ase ^ Áse ^ Ác | Ase ^ Áse | Ase ^ Áse ^ Áse | Ase ^ Áse ^ Áse ^ Áse | Ase ^ Áse ^ Á
- FGÈ Ü^{ [ç^Áx@ Á& [ā] å^lÁ,ā] Árcælcā] * Á āx@Áx@ ÁÜUÖÁ*} å Á& [ā] å^lÁ,ā] ĒĀT æ\^Á* '\Áx@ Á& [ā] å^lÁā Á; [] ^lſÁ

 `]][| c^ å ĒÁæ) å Á^{ [ç^Áx@ Áaæ ^ Á*} å Á& [ā] å^lÁ,ā] ĒÁv@ Æ& [ā] å^lÁ,æ Áæ æç^ĒĒÁ ^Á;![] ^lÁācā] * Ác & ŒË

 } ã `^ Áṭ ÁācÆæ) å Áœæ å |^Áx@ Æ& [ā] å^lĒÁæÁ, ^^å^åĒÁ* ^Óææ ãr cæ) & ^Á![{ Áæ}[c@!Å,^!•[} Áṭ Áræ^|^ÁācÁæ Æ&]Ë

 a å^lÁ;[{ Áx@ Æ; æ&æ]^È
- FHÈ T^æ•` \^Ás@ Ásā cæ) &^Ás^c, ^^} Ás@ Ásî |ā, å^\;Á,ā, ÁQ |^• Ásē, åÁ^¢c^\} åÁs@ Á,^¸ ÁSî |ā, å^\;Ás@ ÁS[\\ 8c4\^} * cæ\
] \all \A[Ásæc^\{] cā, * Ásē, ÁŞ, cæ\|æcā] \\ \E
- FÍÈ Ü^{ [ç^Ás@ Á; ^ cælÁsæ] Ása} å Á^Ë; cælÁs@ Á@ 妿 | 38Á@ ^ È
- $\hat{\mathbf{F}}\hat{\mathbf{E}} = \hat{\mathbf{O}} \otimes \mathbf{A} \hat{\mathbf{A}} \otimes \hat$
- FÏ È Ô|^ækfo@ Áse\^æfi -Áse||Á,^¦•[] Á; ¦ā; kfi Á; æcē; * Ás@ Áslæ&cf; ¦È
- FÌÈ $\hat{O}[\} \bullet \times |O(A) \otimes A = A = A \times A$
- $FJ \dot{E} = \mathcal{O}[\{\dot{A}_{0} \dot{A}_{1}^{\dagger} \dot{A}_{2}^{\dagger} \dot{A}_{1}^{\dagger} \dot{A}_{2}^{\dagger} \dot{A}_{1}^{\dagger} \dot{A}_{2}^{\dagger} \dot{A}_{1}^{\dagger} \dot{A}_{2}^{\dagger} \dot{A}_{1}^{\dagger} \dot{A}_{2}^{\dagger} \dot{A}$

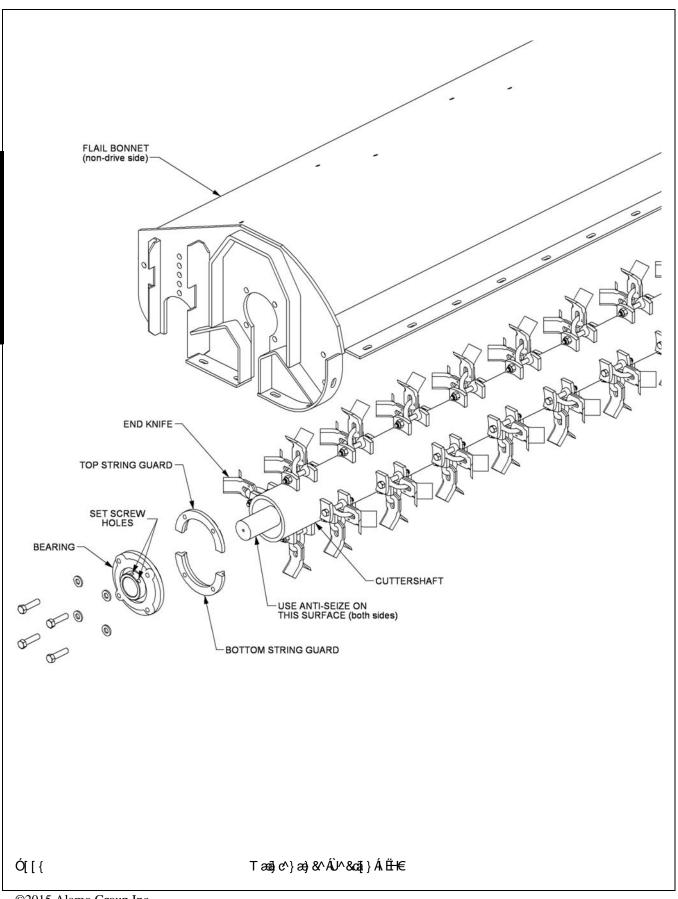
- GOÈ W][}Á&[{]|^ca[}Á;-Ás@Á^~~ã^åÁ^]æa[•Á^c;|}Á[ÁUc^]ÁÀÁFÎÁ[Á^&@&\Ás@Á&^|ā]å^!Á[;Á;![]^!Á[]^!æË ca[}È

CUTTERSHAFT BEARING REPLACEMENT

- FÈ Ü^{ [ç^Á\¢ã cã * Á& cc^!• @eedÉà^ædã *• Áæ} åÁdã * Á* æbå• È
- CÈ Tæ\^Á`¦^Ás@æÁs@Á\}åÁ\}ãç^•Á\}Á\æ&@Á\}åÁ, Ás@Á&`cc^\•@æAæ\^Á\¦ā\}c^åÁæ Á @] }È
- HÈ CI_{1} | $^{\hat{A}}$ $ca^{\hat{B}}$ $^{\hat{a}}$ $^{\hat{A}}$
- IÈ Q• cæ|Á,[} Ëå¦ãç^Á;ãå^Áà^æ;ã;*Áã• cÈ
- ÍÈ Q,•cæ|Ás@Áq[]Á;-Ás@Á;dā;*Á*æåÁ;}Ás@Á,[}Ëå¦ãç^Á;ãå^Áã•cÈÁV,•^ÁĞ[&cãc^Ác∃FÁ;¦Ár°čçæ‡^}cÁæ)åÁ d[¦``^ÁQÍÁdËàÁ;¦Ár€I-dËàÁsÁ[`Á.•^Ása)Ár¢c^}•ā[}DÈ
- ÎÈ Q•cæddá@Aà^ædā,*Áæd,åÁf]Ádā,*Á* ædåÁf}Áo@Aådãç^ÁaåA^È
- ¨Ė Ô^} ♂¦Ás@Á&č ♂¦• @æóÁs^ç ^^}Ás@Ádāj*Á*ædå•ÈÁÁV•^ÁŠ[&cãcÁCÏFÁ;¦Ár`čãçæd^}oÁædjåÁg¦¦`č^Á QJÍ-αЁàÁ;¦Áπ€I-αЁàÁsÁ[čÁ•^ÁædjÁr¢♂}•ã[}DÁs@Ág]Ádāj*Á*ædåÁ;}Ás@Ás¦ãç^Ásãs^È
- ÌÈ Q,•cæ|ÉÁ.•^ÁŠ[&cãæ^ÁG¨FÁ;¦Án``ãçæ‡^}dÉæ)åÁ[;'`^ÁQÍ-cЁàÁ;¦ÁF€I-cЁàÁsÁ[`Á.•^Áæ)Án¢¢^}•ã[}DÁ c@Ás[cɑ[{Á:dā;*Án`æ;åÁ;}Ás[co@Ásãa^•È
- JÈ Tæl^Áı`¦^Ás@ Ás`cc^¦•@eeóÁs Ás^}c^¦^å ÈÁÚJ}Ás@ Á,[}Ëå¦ãç^Á;ãå^ÉÁðå @c^}Á;}^Á;^Á^cóÁsk'^¸Áş Ás@ Ás^æðā;*Á;}q[Á c@ Ás`cc^¦•@eeÈ
- F=È Ü^{ [ç^Ás@Á;c@¦Án^cÁsk'¸Ásè, åÁs¦ā|ÁsÁ;EPÎ+ÁQ|^ÁşiqÁs@Ás`cc^|•@ecÁ+EPÎ+Ás^^]Ás@[`*@Ás@ÁQ|^ÁsiÁs@Á
 à^æið;*ÈÁÓÒÁÔCEÜÒØMŠÁÞUVÁUUÁÖCEFCEŐÒÁ/PÒÁ/PÜÒCEÖÙÁDÞÁ/PÒÁÓCEÜOÞŐÁPUŠÒÈ
- FFÈ Ü^] |æ&^Ác@Á^cÁ\&\^, ÁB,Ác@Áa^ædā,*ÉÁ.•^ÁŠ[&cãc^ÁCÏ FÁ; ¦Ár``ãçæb^} dÁdã @c^} Á; { (Ác@Á&`cc^¦• @æcÁ c@[`* @kc@Á^, ÁQ!|^È
- FŒ Ü^{ [ç^Ás@ Á; c@ ¦Án^oÁs & l^, Áse) åÁn] ^æxÁs@ Áå¦āļā, *Á; |[&^å ` |^ÁÇÙc^] ÆF€DĚÄÜ^] |æ&^Ás@ Án^oÁs & l^, Áse Á • cæc^åÆj ÁÙc^] ÆFFÈ
- FHÈ Ü^]^aæÁc^]•ÁJÁc@[**@ÁFGÁ[}Ác@ Á&¦ãç^Á;ãå^È
- FIÈ Õ¦^æ•^Áa[c@Áa^æ+ā]*•Áj¦[]^¦|^È

See illustration on next page

Tænājo^}ænj&^ÁÜ^&ana[}ÁnlËGJ



´´´´´´ÁÁP^妿ĕ|ã&ÁĄ`ããÁp^ç^|KÁQEååÊÆãÁn^``ã!^åÊÉj,^¦Á√jãåÁn^&[{{^}}åææã[}∙È

´´´´´´ÁÂÔ`œ^\+•©œcóxan)åÁ¹¦[`}åÁ[∥^\KÁÕ\^æ•^Áxe•Áş•d`&c^åÁşiÁx⊙%Áå^œæā∱åÁ;æā;c^}æn;&^Ár^&cā[}È

Ù^|ç&&^Aj^|-{|{ ^aÁa`K´´´´´ÁÖææ^K´´´´Đ´´´´Đ´´´´ÁP[`|

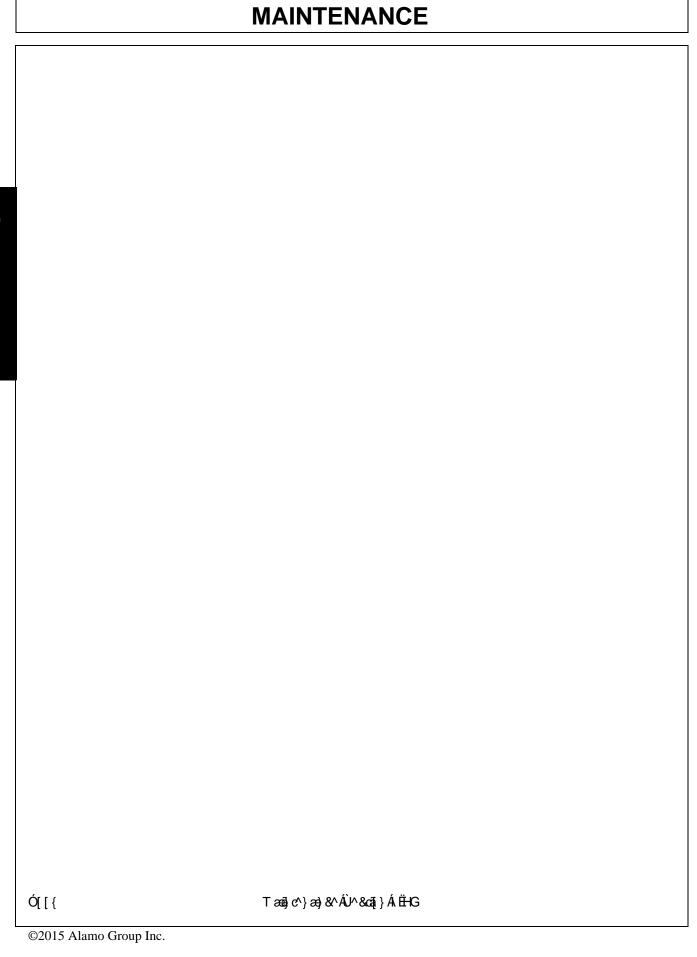
DAILY MAINTENANCE SCHEDULE

T^e^{K'''''

Tædic^}æ)&^ÂÛ^&di}

EEV@a,Ájæt^Á;æiÁa^Á&[]ā\åÁæ)åÁ.•^åÁæ•Ájædó,Áæ/Á;æiá;Á;æiá;Ó;æið,&;Ái;æið,c^}æi,&^Á[`cō]^È

Tænfe^}æn}&^ÁÛ^&anfi}ÁnÉHF



JD * % \$!' \$A#F H(: - 69B; 5@
PARTS SECTION

PART NAME INDEX

PARTS ORDERING GUIDE	3
TRACTOR MOUNT KIT	
TRACTOR MOUNT KIT - HYDRAULICS	6
ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT	
JOYSTICK AND SWITCHBOX MOUNT	
BOOM MOUNT KIT	
BOOMREST - OPEN STOW	
FRONT AXLE STABILIZER OPTION	16
POLYCARBONATE SAFETY WINDOW	
WHEEL SPACER	
WHEEL WEIGHT	20

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 pur chase 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.



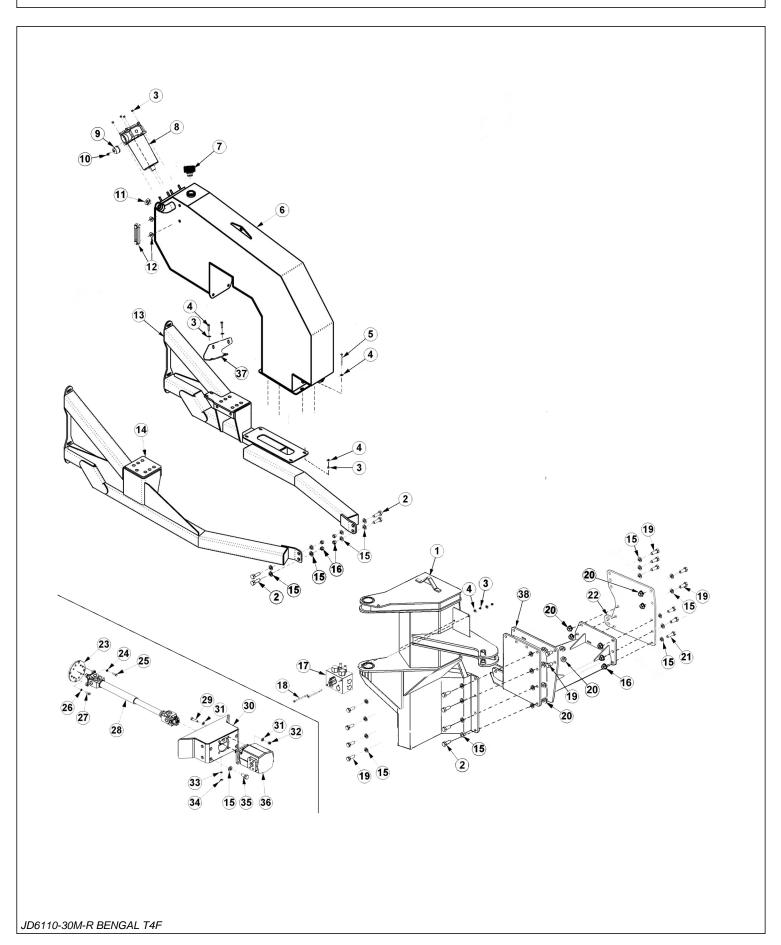
For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

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

JD6110-30M-R BENGAL T4F

TRACTOR MOUNT KIT



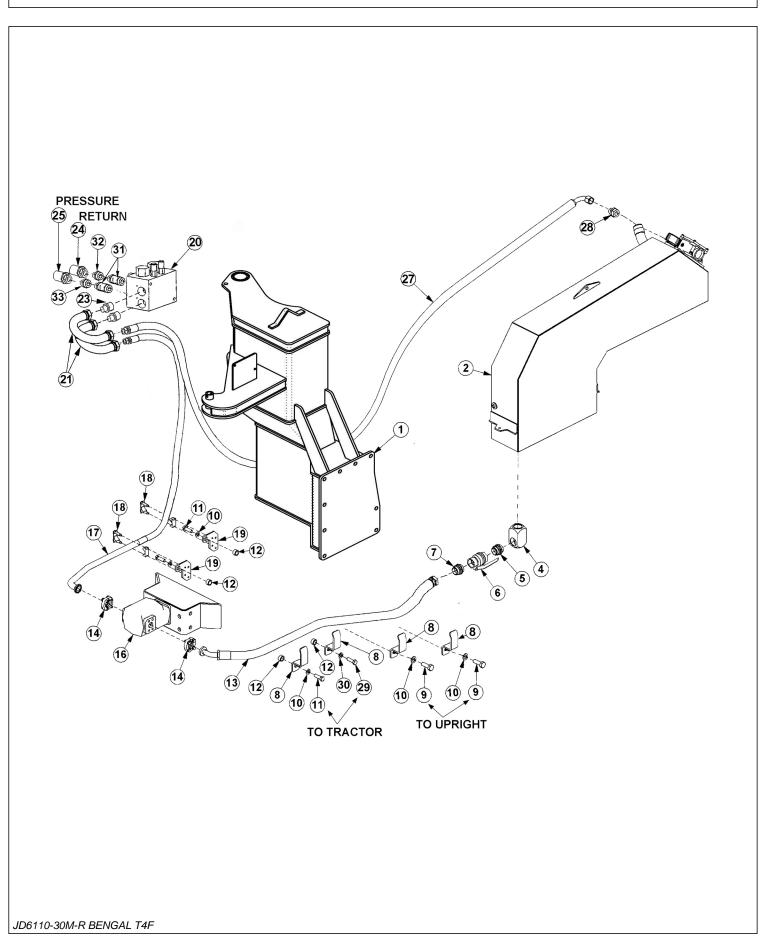
TRACTOR MOUNT KIT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06300381	1	MAIN FRAME
2	21833	8	CAPSCREW,3/4" X 2-1/4",NC
3	21627	8	NYLOCK NUT,3/8",NC
4	22016	8	FLATWASHER,3/8"
5	21632	8	CAPSCREW,3/8" X 1-1/2",NC
6	06700220	1	TANK,WHEEL WELL,JD6M T4F
7	06505077	1	CAP,BREATHER,O-RING
8	06505044	1	FILTER,IN-TANK
9	6T0649	1	FILTER GAUGE
10	TF4888	1	STREET ELBOW,1/8"NPT
11	06505127	1	PLUG,#20 SAE
12	06505067	1	SIGHT GAUGE
13	06300386	1	AXLE BRACE,LH
14	06300384	1	AXLE BRACE,RH
15	33880	55	FLATWASHER,3/4",SAE
16	21825	19	HEX NUT,3/4",NC
17	06510083	1	BRAKE VALVE
18	21644	2	CAPSCREW,3/8" X 5",NC
19	31731	10	CAPSCREW,20MM X 50MM,2.5P
20	31722	4	HEX NUT,20MM,FLNG,2.5P
21	21834	6	CAPSCREW, 3/4" X 2-1/2" NC
22	06402946	1	UPRIGHT,LH
23	34998	1	SPACER, DRIVESHAFT
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	8	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	06412418	1	TANK SUPPORT
38	06300383	1	MNFRM MNT, JD6110M T4F

JD6110-30M-R BENGAL T4F

TRACTOR MOUNT KIT - HYDRAULICS

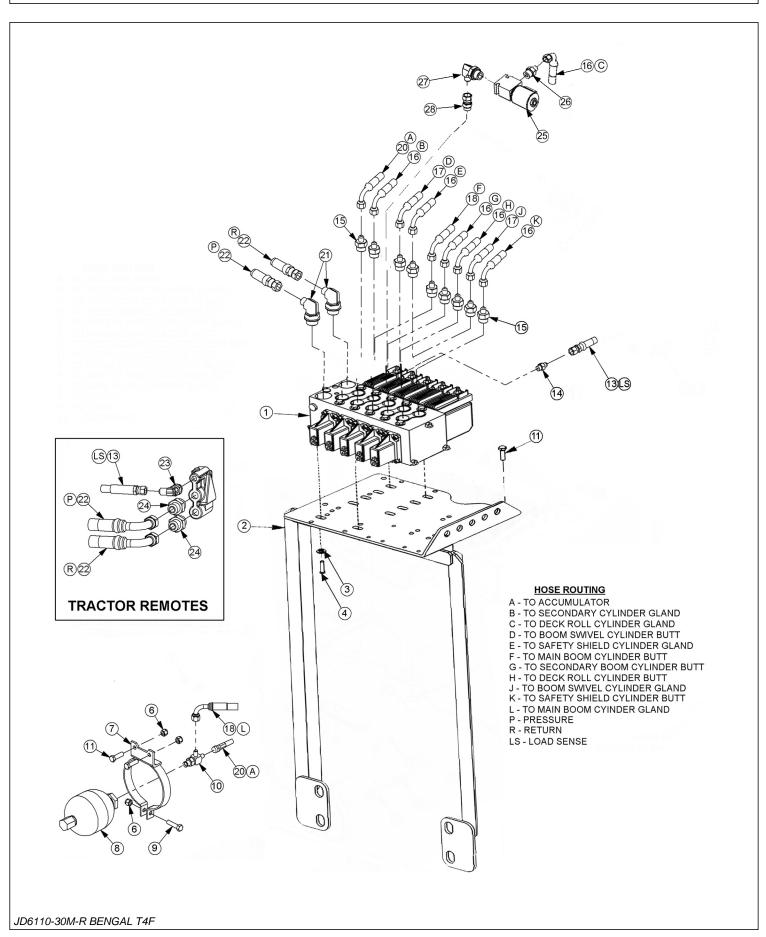


TRACTOR MOUNT KIT - HYDRAULICS

Continued...

	ITEM	PART NO.	QTY.	DESCRIPTION
	1		-	MAIN FRAME *REFER TO TRACTOR MOUNT KIT PAGE
	2		-	HYDRAULIC TANK *REFER TO TRACTOR MOUNT KIT PAGE
	4	06503084	1	ELBOW,1-1/2"FOR X 1-1/2"FOR,MACH
	5	06503083	1	ADAPTER,1-1/2"MOR X 1-1/2"MOR
	6	34309	1	BALL VALVE,1-1/2"FOR
	7	34710	1	ADAPTER,1-1/2"MOR X 1-1/2"MJ
	8	32382	3	BRACKET,HOSE
	9	21834	2	CAPSCREW, 3/4" X 2-1/2" NC
	10	33880	4	FLATWASHER, 3/4", SAE
	11	30708	3	CAPSCREW, 20MM X 90MM,2.5P
	12	24849	2	SPACER
	13	06500692	1	HOSE,1-1/2" X 110"
	14	TF4852	2	FLANGE KIT,#20
	16		1	PUMP *REFER TO TRACTOR MOUNT KIT PAGE
	17	06500549	1	HOSE,1" X 87"
	18	34076	1	CLAMP KIT,1"
	19	34626	1	TUBE/CLAMP BRACKET
	20		1	BRAKE VALVE *REFER TO TRACTOR MOUNT KIT
	21	06506012	2	U-TUBE, PREFORMED
	23	33555	2	ADAPTER, 1MB X1MJ
	24		1	HOSE,HOSE (RETURN) *REFER TO BOOM ASSEMBLY
	25		1	HOSE (PRESSURE) *REFER TO BOOM ASSEMBLY
	27	06500826	1	HOSE, 1" X 188"
	28	34064	1	ADAPTER, 1-1/4" MOR X 1" MJ
	29	06530819	1	CAPSCREW, 12MM X 70MM
	30	22017	1	FLATWASHER, 7/16"
	31	06503074	2	UNION, 1" ORB X 1" ORB
	32	06503027	1	QCK CPLR 1" FEMALE, FLAT
	33	06503028	1	QCK CPLR, 1" MALE, FLAT
١				

ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT



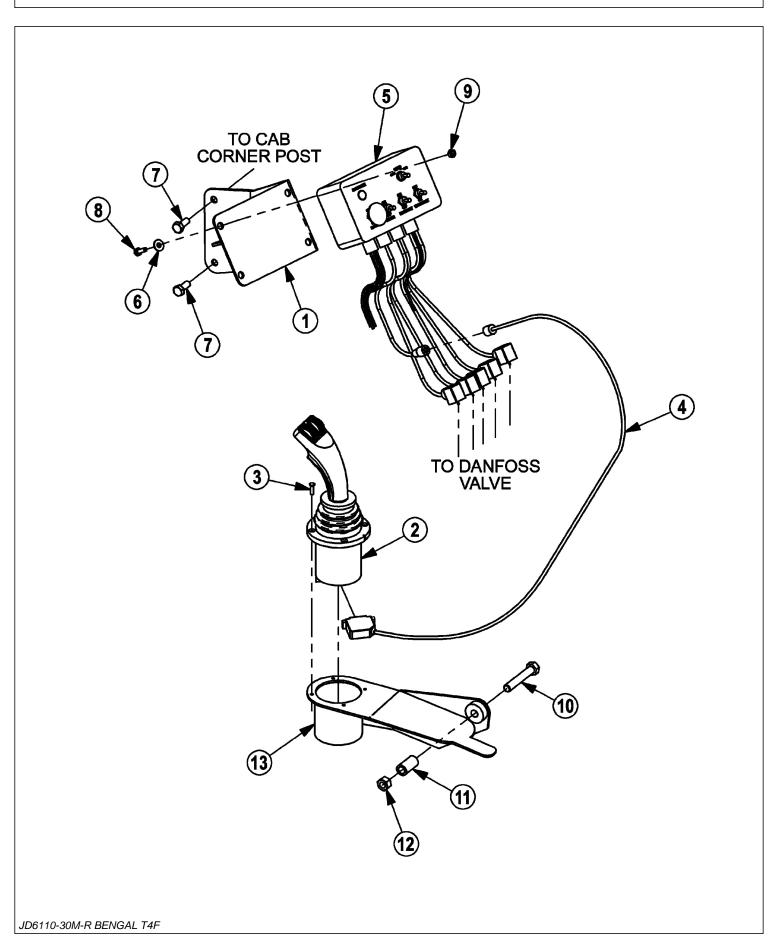
ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06502097	1	ELECTRONIC LIFT VALVE
2	06340063	1	PLATE, VALVE, JD6110-30M/R T4F
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 34"
14	33392	1	ADAPTER
15	32807	9	ADAPTER
16	06500854	6	HOSE,1/4" X 274"
17	06500697	2	HOSE,1/4" X 210"
18	06500855	2	HOSE,1/4" X 294"
20	33744	1	HOSE,1/4" X 34"
21	33294	2	ELBOW
22	34612	2	HOSE,1/2" X 34"
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

JD6110-30M-R BENGAL T4F

JOYSTICK AND SWITCHBOX MOUNT



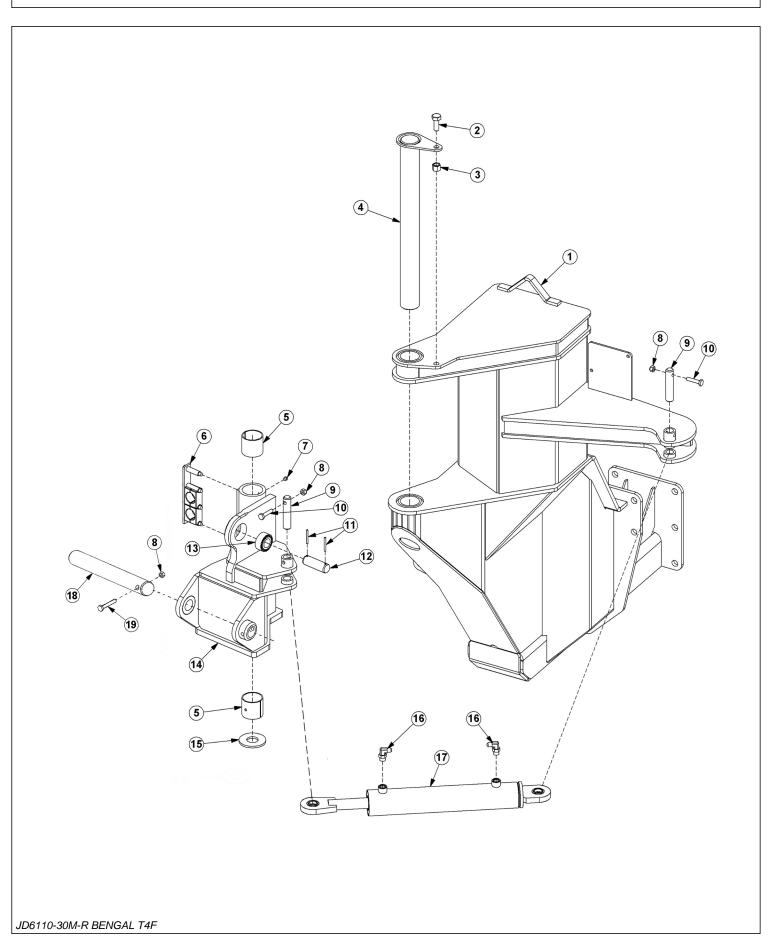
JOYSTICK AND SWITCHBOX MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	33355	1	MNT,BRKT,SWITCH BOX
2	33691	1	JOYST,4AXIS,RH,DF
3	32829	4	SCREW,MACHINE,10-32 X 3/4",FLTHD
4	33693	1	CBL,EXT,4FT,JOYST
5	06510196	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

JD6110-30M-R BENGAL T4F

BOOM MOUNT KIT



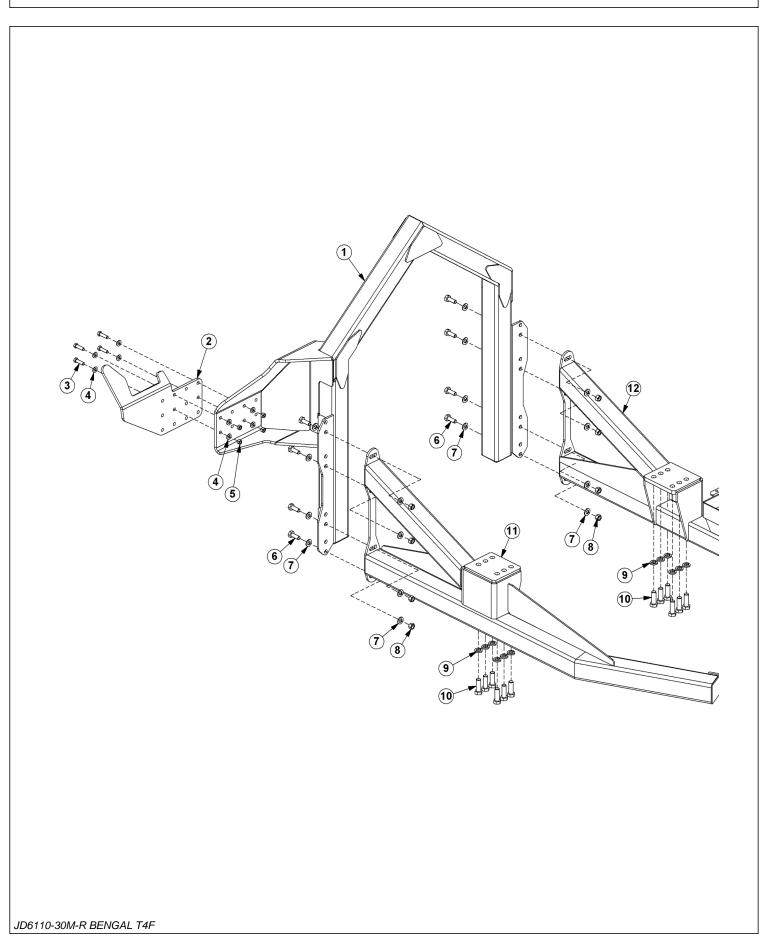
BOOM MOUNT KIT

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,CAPPED
5	32322	2	BUSHING
6	06505186	1	CLAMP KIT
7	6T3211	2	GREASE ZERK,1/8"NPT
8	21677	3	NYLOCK NUT,7/16",NC
9	32380	2	PIN,1"
10	21683	2	CAPSCREW,7/16" X 2",NC
11	TB1023	2	ROLL PIN
12	06420100	1	PIN,1-1/4"
13		-	SPHERICAL BEARING *NOT FOR SALE
14	06700221	1	SWIVEL ASSEMBLY
	06310190	1	SWIVEL WELDMENT
15	06520250	1	BEARING,WASHER
16	32810	2	ADAPTER,ELBOW
17	06501029	1	CYLINDER,3" X 13.88"
18	06420022	1	PIN, 1/5" X 12"
19	21688	1	CAPSCREW, 7/16" X 3-1/4"

JD6110-30M-R BENGAL T4F

BOOMREST - OPEN STOW

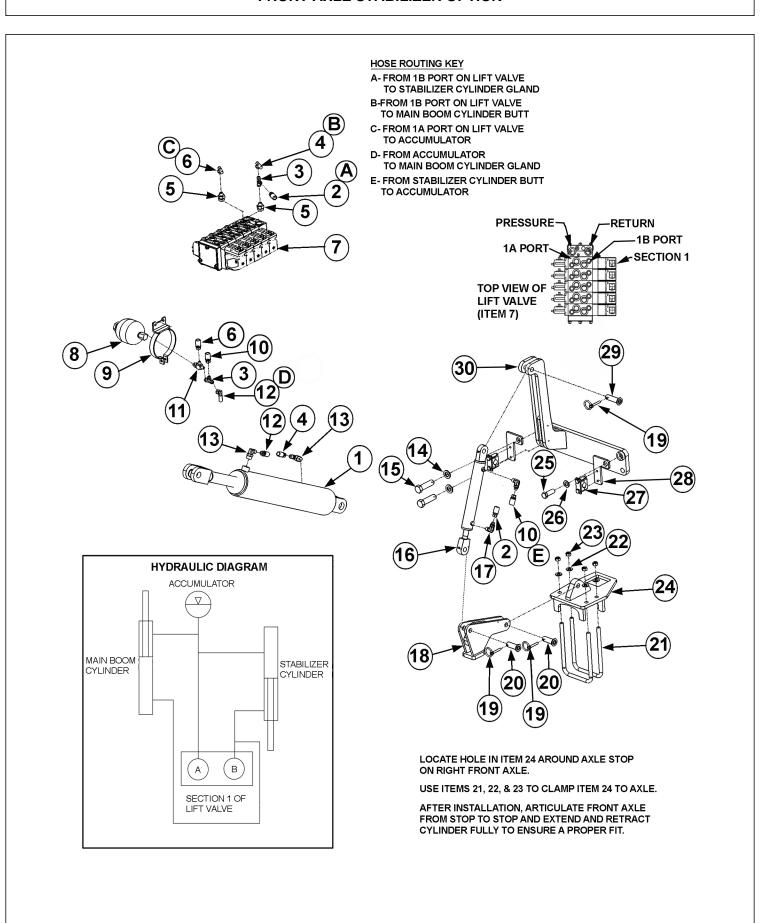


BOOMREST - OPEN STOW

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06310157	1	BOOMREST,OS, T4
2	06310186	1	SADDLE
3	21733	4	CAPSCREW,1/2" X 2",NC
4	06533004	8	FLATWASHER,1/2",SAE
5	21725	4	HEX NUT,1/2",NC
6	21782	8	CAPSCREW,5/8" X 1-3/4",NC
7	33764	16	FLATWASHER,5/8",SAE
8	21775	8	HEX NUT,5/8",NC
9	24881	12	LOCKWASHER,20MM
10	27281	12	CAPSCREW,20MM X 60MM,2.5P
11	06300384	1	AXLE BRACE,RH
12	06300386	1	AXLE BRACE,LH

FRONT AXLE STABILIZER OPTION

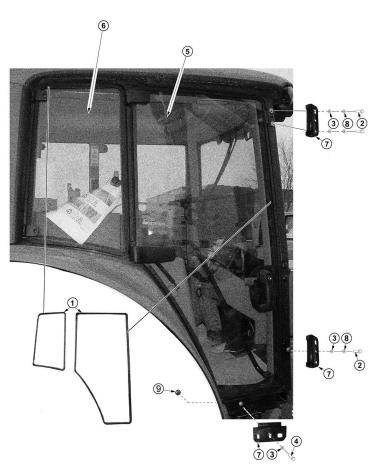


FRONT AXLE STABILIZER OPTION

Continued...

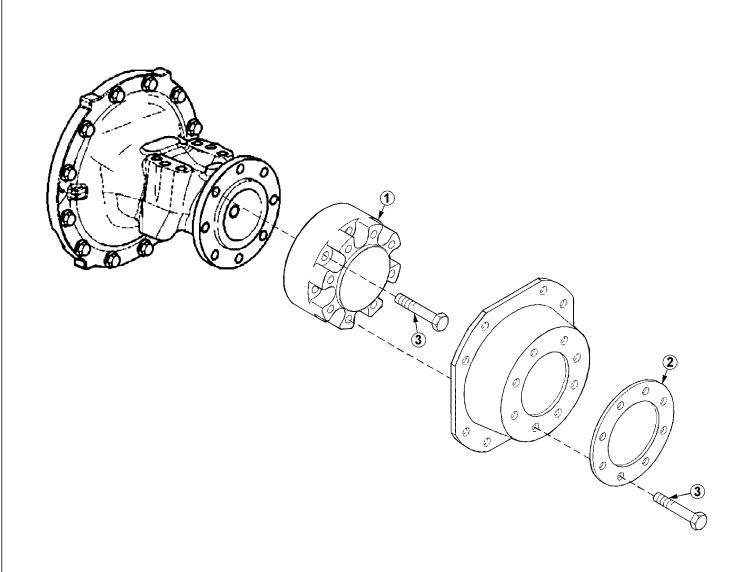
ITEM	PART NO.	QTY.	DESCRIPTION
1		-	BOOM CYLINDER *REFER TO COMMON SECTION
2	06500149	1	HOSE,1/4" X 220"
3	06503048	2	RUN TEE,3/8"MJ X 3/8"FJX X 3/8"MJ
4		-	HOSE *REFER TO LIFT VALVE PAGE
5		-	ADAPTER *REFER TO LIFT VALVE PAGE
6		-	HOSE *REFER TO LIFT VALVE PAGE
7		-	LIFT VALVE *REFER TO LIFT VALVE PAGE
8		-	ACCUMULATOR *REFER TO LIFT VALVE PAGE
9		-	ACCUMULATOR BRKT *REFER TO LIFT VALVE PAGE
10	06500149	1	HOSE,1/4" X 220"
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	06310132	1	LINK,PIVOT,STABILIZER
19	RD1032	3	LYNCH PIN
20	33984	2	PIN,3/4" X 2-7/16"
21	06420140	2	U-BOLT
22	06533004	4	FLATWASHER,1/2",SAE
23	21700	4	HEX NUT,1/2",UNC
24	06310176	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

POLYCARBONATE SAFETY WINDOW



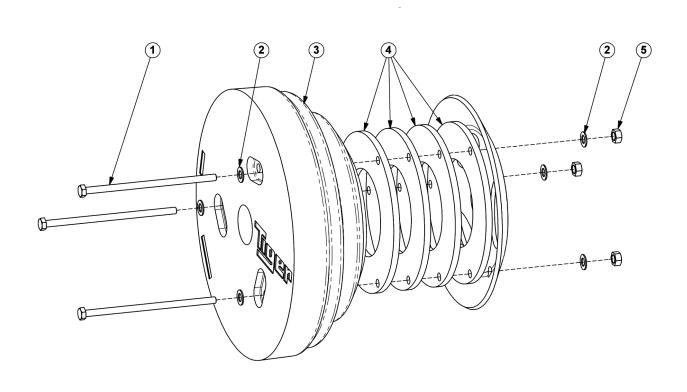
ITEM	PART NO.	QTY.	DESCRIPTION
1	31965	22	TRIM SEAL,3/8" CLIP X 3/4"OD (FEET)
2	27508	3	CAPSCREW,8MM X 20MM,1.25P
3	22015	4	FLATWASHER,5/16"
4	21581	1	CAPSCREW,5/16" X 1-1/4",NC
5	06490005	1	POLYCARB,FRMD,DOOR,RH
6	06490027	1	POLYCARB,FRMD,REAR,RH
7	06520040	3	BRKT,JD,POLY,RETAIN
8	6T2619	3	LOCKWASHER,8MM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

WHEEL SPACER



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

WHEEL WEIGHT



ITEM	PART NO.	QTY.	DESCRIPTION
1	06530213	3	CAPSCREW, 7/8" X 16", NC, GR8
2	06533000	6	FLATWASHER, 7/8", GR8
3	32517	1	WHEEL WEIGHT, 1700#
4	06400410	4	SPACER
5	06531000	3	HEX NUT, 7/8", NC, GR8

COMMON BENGAL BOOM T4 PARTS SECTION



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PARTS ORDERING GUIDE

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

- 1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.
- 2. The Purchase Order must indicate the Name and Address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are being ordered.
- 3. The pur chase 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.

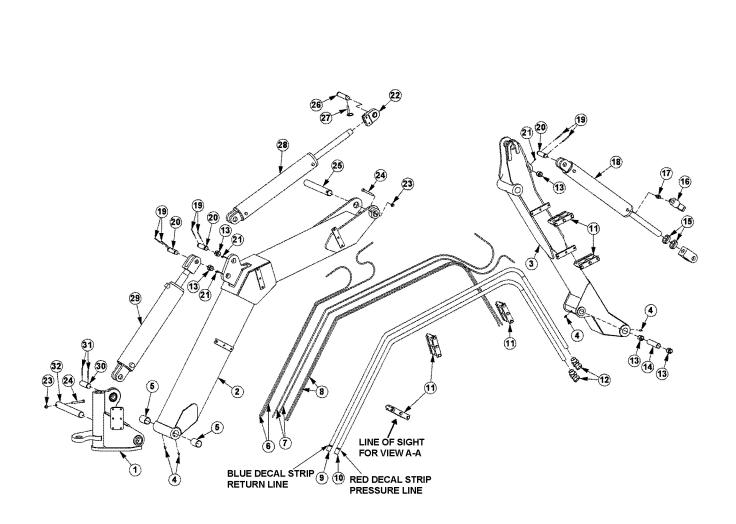


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

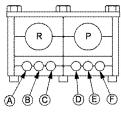
Tiger Corporation 3301 N. Louise Ave. Sioux Falls, SD 57107 1-800-843-6849 1-605-336-7900

BOOM ASSY - BENGAL 18 T4



NOTES:

- 1. IMPORTANT: ALIGN GREASE HOLE OR GAP IN BEARING (ITEMS 5 & 13) WITH GREASE ZERK IN BOOM. MAINTAIN ALIGNMENT DURING BEARING INSTALLATION.
- 2. GREASE HINGE PIN ZERKS (ITEM 4) ON BOOM AFTER ASSEMBLY, ONCE UNDER LOAD WITH BOOM ELEVATED AND AGAIN AT REST WITH BOOM SUPPORTED.
- 3. ONLY ONE SET COLLAR (ITEM 15) NEEDED FOR ROTARY MOWERS.



VIEW A-A

KEY

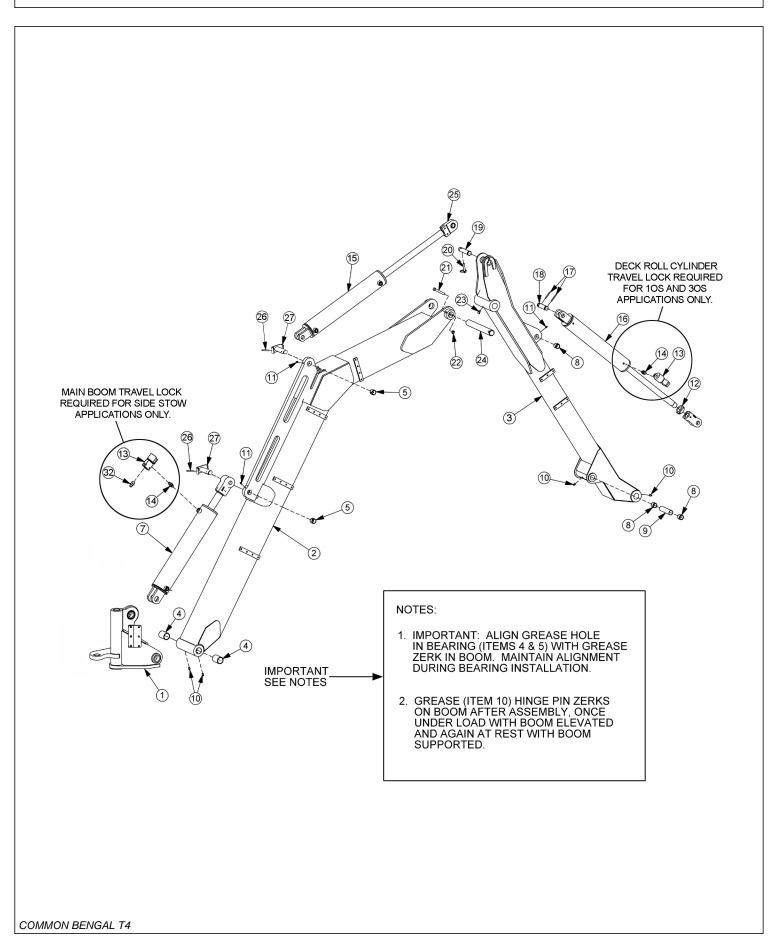
- A SECONDARY BUTT
 B SECONDARY GLAND
 C DECK ROLL BUTT
 D DECK ROLL GLAND
 E SHIELD BUTT
 F SHIELD BUTT
 F SHIELD GLAND
 R RETURN
 P PRESSURE

BOOM ASSY - BENGAL 18 T4

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1		-	REAR STOW SWIVEL ASSY
2	06700167	-	MAIN BOOM ASSY
	06310111	1	MAIN BOOM WELDMENT
3	06700168	-	SECONDARY BOOM ASSY
	06310112	1	SECONDARY BOOM WELDMENT
4	6T3211	4	GREASE ZERK,1/8"
5	32321	2	BEARING, DX, 1-1/2" X 2"
6	06500499	2	HOSE,1/4" X 50"
7	06500500	2	HOSE,1/4" X 108"
8	06500502	2	HOSE,1/4" X 100"
9	06500713	1	HOSE,1" X 163"
10	06500714	1	HOSE,1" X 162"
11	06505116	2	CLAMP KIT
12	24724	2	SWIVEL,1MJ X 1FJX45
13	TB3010	3	BUSHING
14	TB1035	1	BUSHING,SPACER
15	35312	1	SET COLLAR
16	06510050	1	TRAVEL LOCK,METRIPACK COIL
17	31329	1	ADAPTER,1/2ORB X 1/2ORB ADJ
18	06501023	1	DECK ROLL CYLINDER,3" X 18"
19	06537021	6	ROLL PIN,5MM
20	TB1033	4	PIN,1"
21	6T3207	4	GREASE ZERK,1/4"
22	TB3033	1	CLEVIS WITH SPHERICAL BEARING
23	21677	2	NYLOCK NUT,7/16",NC
24	21688	2	CAPSCREW,7/16" X 3-1/4",NC
25	TB1025	1	PIN,1-1/2"
26	TB1036	1	PIN,1"
27	TF1143	1	PIN,LYNCH
28	06501024	1	SECONDARY CYLINDER,3-1/2" X 20"
29	06501022	1	MAIN CYLINDER,4" X 20"
30	06420100	1	PIN,1-1/4"
31	TB1023	2	ROLL PIN,7/32"
32	TB3013C	1	PIN,1-1/2"

BOOM ASSY BENGAL STANDARD 22 T4

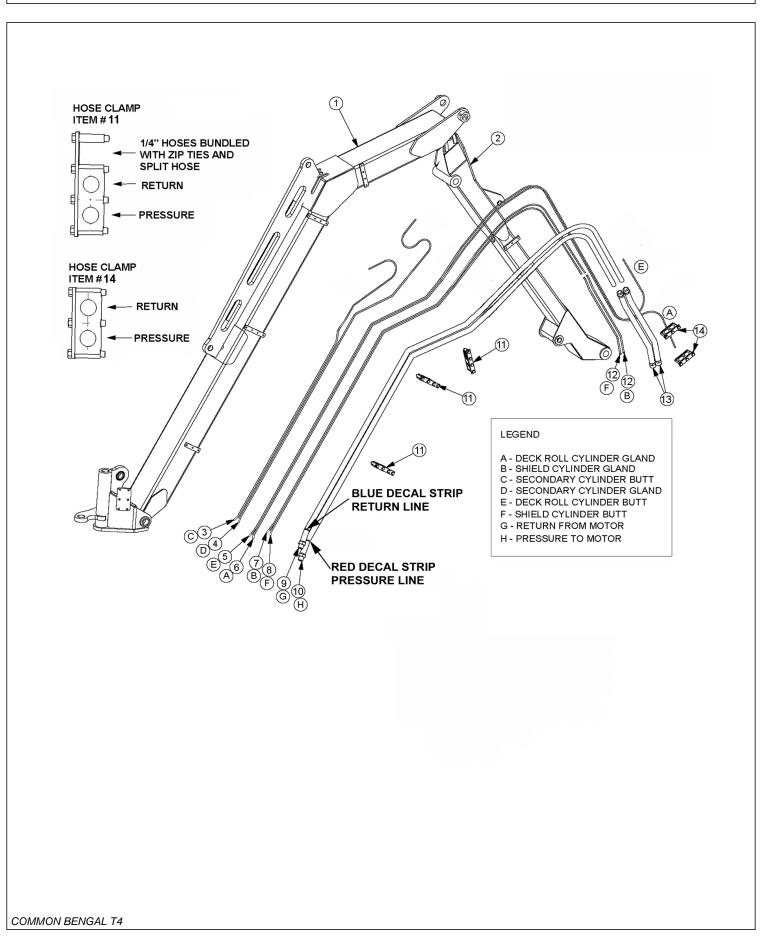


BOOM ASSY BENGAL STANDARD 22 T4

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1		-	SWIVEL ASSY *REFER TO TRACTOR MOUNT KIT
2	06700189	1	MAIN BOOM, T4
3	24517	1	SECONDARY BOOM ARM ASSY
4	32321	2	BEARING, DX, 1-1/2" X 2"
5	TB1044	2	BUSHING, 1-1/4"ID
7	06501020	1	CYLINDER, 5" X 20"
8	TB3010	3	BUSHING, 1"ID
9	TB1035	1	BUSHING,SPACER
10	6T3211	4	GREASE ZERK,1/8"
11	6T3207	3	GREASE ZERK,1/4
12	35312	1	SET COLLAR
13	06510050	1	TRAVEL LOCK,METRIPACK COIL
14	31329	1	ADAPTER,1/2ORB X 1/2ORB ADJ
15	06501022	1	CYLINDER, 4" X 20"
16	06501023	1	CYLINDER,3" X 18"
17	06537021	6	ROLL PIN,5MM
18	TB1033	1	PIN,1" X 4"
19	TB1036	1	PIN,1" X 4-11/16"
20	TF1143	1	PIN,LYNCH
21	21688	2	CAPSCREW,7/16" X 3-1/4",NC
22	21677	2	NYLOCK NUT,7/16",NC
23	6T3210	1	GREASE ZERK,1/8" X 90
24	TB1025	1	PIN,1-1/2" X 12"
25	30172	1	CLEVIS,SPHERICAL
26	6T3014	2	ROLL PIN, 1/4" X 2"
27	TB1045B	2	PIN, PRIMARY CYLINDER

BOOM ASSY HYD BENGAL 22 T4

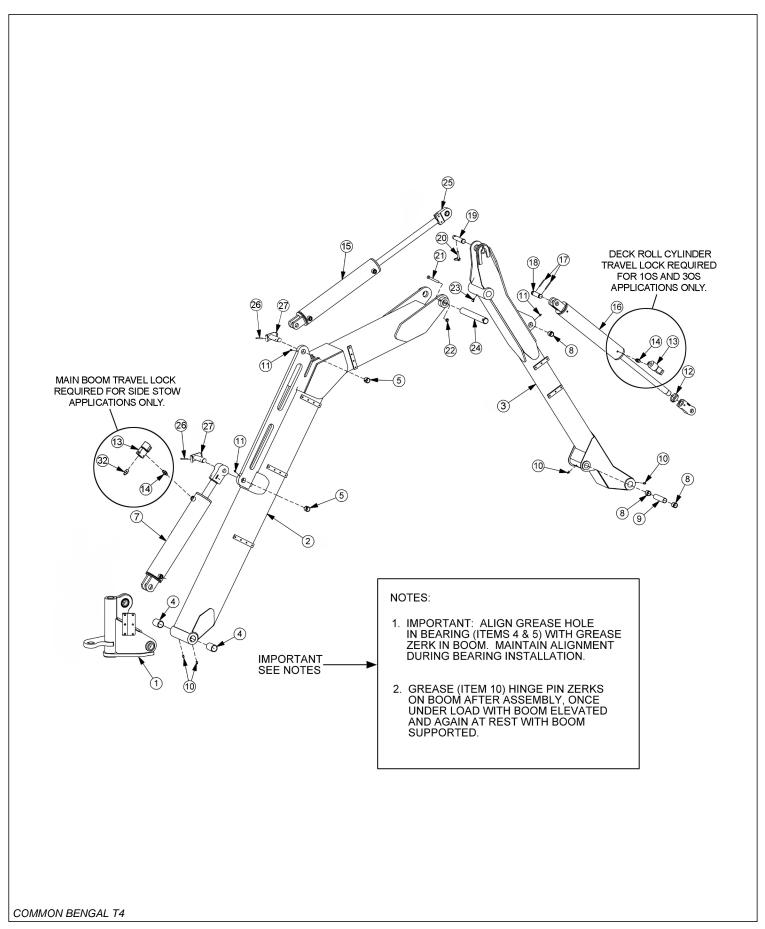


BOOM ASSY HYD BENGAL 22 T4

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1		-	MAIN BOOM *REFER TO BOOM ARM ASSY
2		-	SECONDARY BOOM *REFER TO BOOM ARM ASSY
3	06500694	1	HOSE, 1/4" X 83"
4		1	HOSE, 1/4" X 83"
5	06500695	1	HOSE, 1/4" X 138"
6		1	HOSE, 1/4" X 138"
7	06500696	1	HOSE, 1/4" X 112"
8		1	HOSE, 1/4" X 112"
9	34645	1	HOSE, 1" X 182"
10		1	HOSE, 1" X 182"
11	06505019	3	CLAMP KIT,3 SECTION
12	34102	2	TUBE,PRFRMD,SEC BOOM
13	2403306	2	TUBE,PRFRMD,SEC BOOM,HP
14	30111	2	CLAMP KIT,2 SECTION

BOOM ASSY BENGAL EXT 24 T4

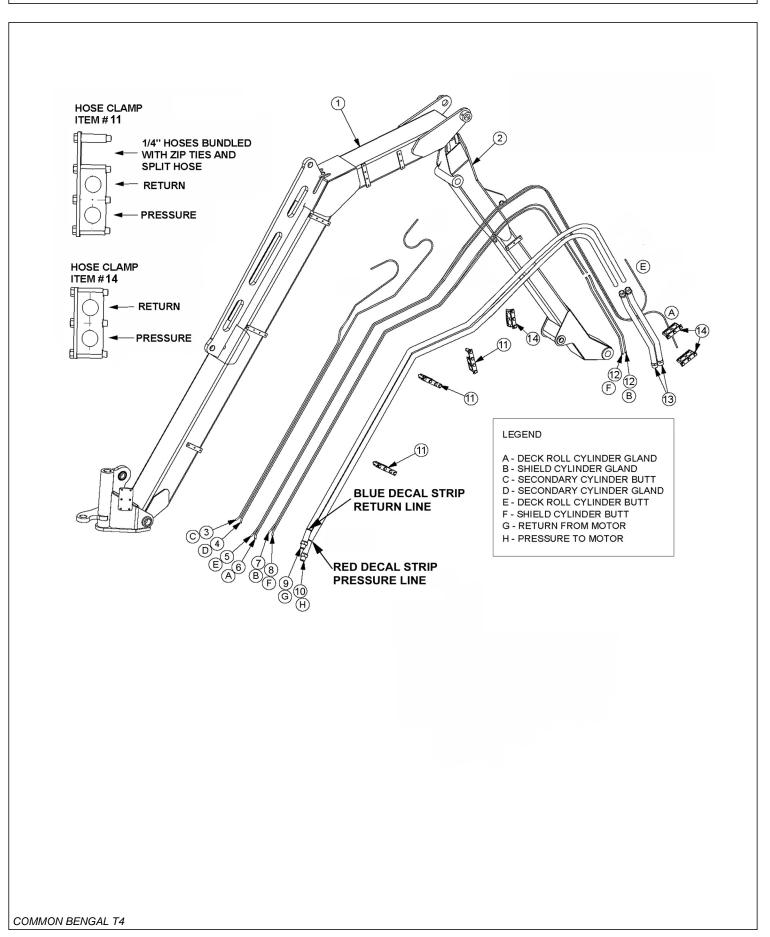


BOOM ASSY BENGAL EXT 24 T4

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1		-	SWIVEL ASSY *REFER TO TRACTOR MOUNT KIT
2	06700191	1	MAIN BOOM, EXT, T4
3	06700094	1	SECONDARY BOOM ARM ASSY, EXT, T4
4	32321	2	BEARING, DX, 1-1/2" X 2"
5	TB1044	2	BUSHING, 1-1/4"ID
7	06501020	1	CYLINDER, 5" X 20"
8	TB3010	3	BUSHING, 1"ID
9	TB1035	1	BUSHING,SPACER
10	6T3211	4	GREASE ZERK,1/8"
11	6T3207	3	GREASE ZERK,1/4
12	35312	1	SET COLLAR
13	06510050	1	TRAVEL LOCK,METRIPACK COIL
14	31329	1	ADAPTER,1/2ORB X 1/2ORB ADJ
15	06501022	1	CYLINDER, 4" X 20"
16	06501023	1	CYLINDER,3" X 18"
17	06537021	6	ROLL PIN,5MM
18	TB1033	1	PIN,1" X 4"
19	TB1036	1	PIN,1" X 4-11/16"
20	TF1143	1	PIN,LYNCH
21	21688	2	CAPSCREW,7/16" X 3-1/4",NC
22	21677	2	NYLOCK NUT,7/16",NC
23	6T3210	1	GREASE ZERK,1/8" X 90
24	TB1025	1	PIN,1-1/2" X 12"
25	30172	1	CLEVIS,SPHERICAL
26	6T3014	2	ROLL PIN, 1/4" X 2"
27	TB1045B	2	PIN, PRIMARY CYLINDER

BOOM ASSY HYD BENGAL 24 T4

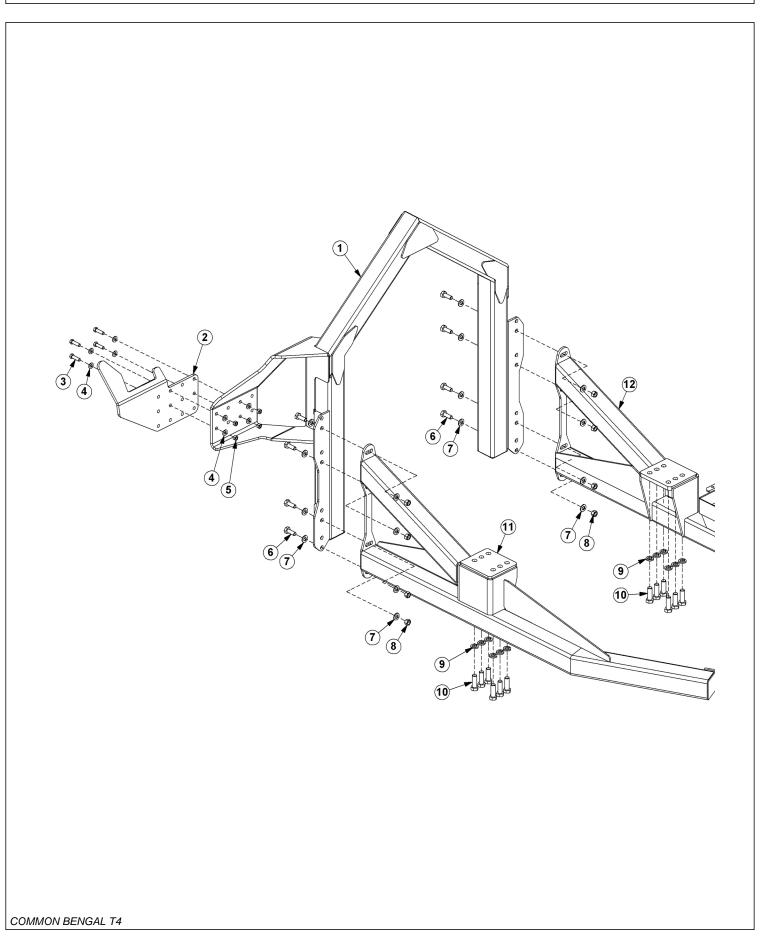


BOOM ASSY HYD BENGAL 24 T4

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1		-	MAIN BOOM *REFER TO BOOM ARM ASSY
2		-	SECONDARY BOOM *REFER TO BOOM ARM ASSY
3	06500716	1	HOSE, 1/4" X 100"
4		1	HOSE, 1/4" X 100 "
5	06500717	1	HOSE, 1/4" X 170"
6		1	HOSE, 1/4" X 170"
7	06500718	1	HOSE, 1/4" X 130"
8		1	HOSE, 1/4" X 130"
9	06500715	1	HOSE, 1" X 198"
10		1	HOSE, 1" X 198"
11	06505019	3	CLAMP KIT,3 SECTION
12	34103	2	TUBE,PRFRMD,SEC BOOM
13	30169	2	TUBE,PRFRMD,SEC BOOM,HP
14	30111	2	CLAMP KIT,2 SECTION

BOOMREST - OPEN STOW

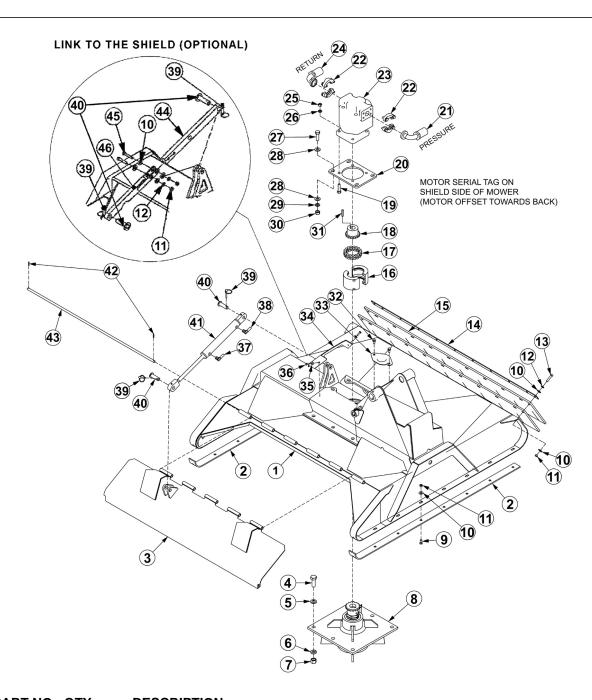


BOOMREST - OPEN STOW

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06310157	1	BOOMREST,OS
2	06410968	1	SADDLE
3	21732	4	CAPSCREW,1/2" X 1-3/4",NC
4	06533004	8	FLATWASHER,1/2",SAE
5	21725	4	HEX NUT,1/2",NC
6	21782	8	CAPSCREW,5/8" X 1-3/4",NC
7	33764	16	FLATWASHER,5/8",SAE
8	21775	8	HEX NUT,5/8",NC
9	24881	12	LOCKWASHER,20MM
10	27281	12	CAPSCREW,20MM X 60MM,2.5P
11		1	AXLE BRACE,RH
12		1	AXLE BRACE,LH

50IN ROTARY MOWER ASSEMBLY



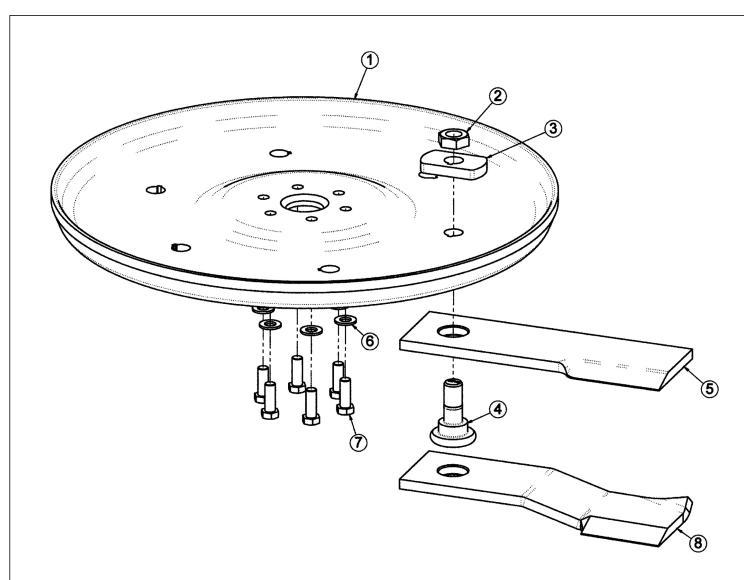
ITEM	PART NO.	QTY.	DESCRIPTION
1	33780	1	DECK,WLDMNT,50" RTRY
2	33777	2	SKID SHOE,50" RTRY
3	33754	1	SHIELD,50"RTRY
4	33879	6	CAPSCREW, 3/4 X 2 1/4,NF GR 8
5	33880	6	FLATWASHER,3/4",GR 8,SAE
6	21993	6	LOCKWASHER,3/4",GR 8
7	6T2413	6	HEX NUT,3/4,NF,GR 8
8	6T1024H5	1	SPINDLE ASSY,CPLT,HD,5/8 HOLES

50IN ROTARY MOWER ASSEMBLY

Continued...

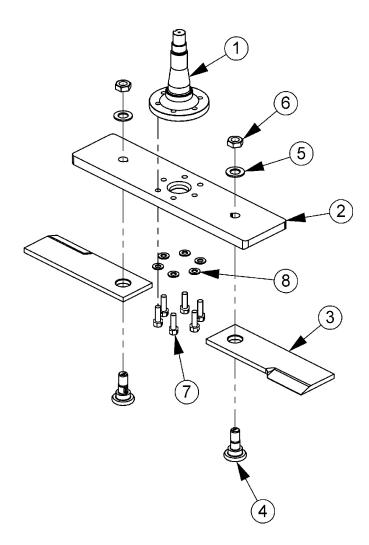
ITEM	PART NO.	QTY.	DESCRIPTION
9	6T2270	16	PLOW BOLT,3/8" X 1" NC
10	22016	33	FLATWASHER,3/8"
11	21625	20	HEX NUT,3/8",NC
12	21988	11	LOCKWASHER, 3/8"
13	21633	11	CAPSCREW, 3/8 X 1 3/4,NC
14	33774	1	FLAP RETAINER,50" RTRY
15	33775	2	FLAP,50" RTRY
16	6T1033	1	COUPLER COVER
17	6T1029	1	COUPLER CHAIN
18	21223	1	SPROCKET
19	21733	4	CAPSCREW, 1/2 X 2,NC
20	33776	1	MOTOR MOUNT,PLATE,50" RTRY
21	24490	1	HOSE - PRESSURE
	06500155	1	HOSE- PRESSURE (LRS ONLY)
22	TF4852	2	FLANGE KIT - #20
23	06504012	1	MOTOR
24	24489	1	HOSE - RETURN
	06500154	1	HOSE-RETURN (LRS ONLY)
25	21725	4	HEX NUT, 1/2" NC
26	06533004	4	FLATWASHER, 1/2"
27	6T2290	4	CAPSCREW,5/8X2,NF GR 8
28	33764	8	FLATWASHER,5/8",GR 8,SAE
29	21992	4	LOCKWASHER, 5/8
30	6T2408	4	HEX NUT, 5/8, NF
31	TF1124	1	SQUARE KEY
32	33881	2	CAPSCREW,FLG, 3/8 X 3/4,NC
33	33779	1	PLATE,COVER,KNF HOLE
34	06410439	1	COVER
35	22014	2	FLATWASHER,1/4
36	21530	2	CAPSCREW,1/4 X 1,NC
37	34187	1	HOSE 1/4" X 75"
38	34186	1	HOSE 1/4" X 66"
39	RD1032	2	LYNCH PIN
40	33984	2	PIN,SHIELD,50"
41	33785	1	1-1/2" X 8", CYLINDER, WELDED
42	6T3017	2	ROLLPIN
43	33778	1	HINGE PIN,50" RTRY
44	33772	1	LINK, SHIELD 50" RTRY
45	21634	2	CAPSCREW, 3/8" X 2, NC
46	33773	1	LINK 2, SHIELD 50" RTRY

50IN ROTARY KNIVES AND DISH



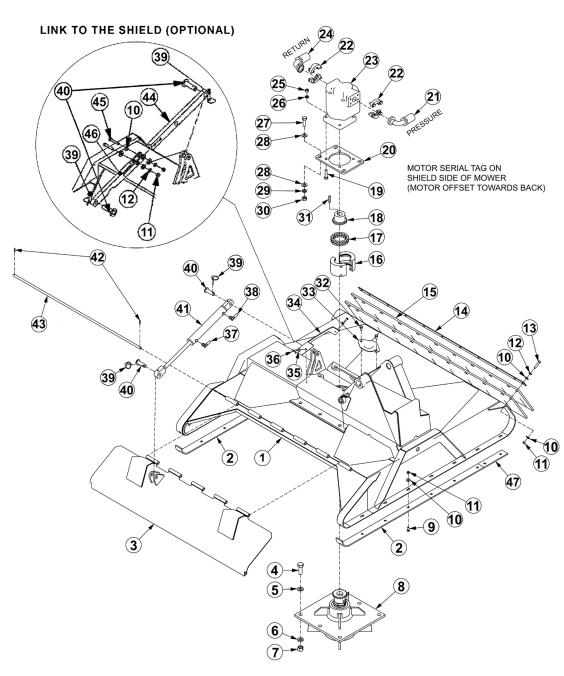
ITEM	PART NO.	QTY.	DESCRIPTION
	06700089	-	KIT,TRB50,DISK,W/BOLT KIT (INCLUDES ITEMS 1,3 & 7)
1	06770003	1	BLADE MOUNTING DISK
2	6T1023R	2	NYLOCK HEX NUT 1 1/8"
3	34878	2	SPACER
4	06538000	2	KNIFE MOUNTING BOLT
5	06521001	2	STANDARD KNIFE
6	33764	6	FLATWASHER
7	6T2259	6	CAPSCREW
	06770012	-	BOLT KIT (INCLUDES ITEMS 6, 7 & LOCTITE)
8	06521002	2	GRASS KNIFE (OPTIONAL)
	6T1825	-	LOCTITE - USED ON ALL DISK MOUNTING BOLTS

50IN ROTARY BLADE BAR AND KNIVES



ITEM	PART NO.	QTY.	DESCRIPTION
1	PT1018H5	1	SPINDLE,5/8HOLES,HD,WO/TABS
2	06400388	1	BAR,BLADE,TRB
3	06521001	2	KNIFE,TRB50,5/8
4	06538000	2	KNIFE MTG BOLT,5/8 SHOULDER
5	06533002	2	FLATWASHER,1 1/8,GR 8
6	6T1023R	2	KNIFE MTG NUT,1 1/8,NF,GR8
7	6T2259	6	CAPSCREW,5/8X1-3/4,NF,GR8
8	33764	6	FLATWASHER,5/8,GR 8,SAE

60IN ROTARY MOWER ASSEMBLY



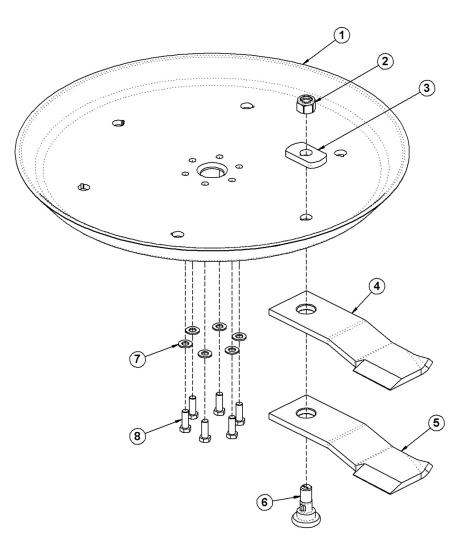
TEM	PART NO.	QTY.	DESCRIPTION
1	06320159	1	DECK,WLDMNT,60" RTRY
2	33777	2	SKID SHOE,RTRY
3	06320162	1	SHIELD,60"RTRY
4	33879	6	CAPSCREW, 3/4 X 2 1/4,NF GR 8
5	33880	6	FLATWASHER,3/4",GR 8,SAE
6	21993	6	LOCKWASHER,3/4",GR 8
7	6T2413	6	HEX NUT,3/4,NF,GR 8
8	6T1024H5	1	SPINDLE ASSY,CPLT,HD,5/8 HOLES

60IN ROTARY MOWER ASSEMBLY

Continued...

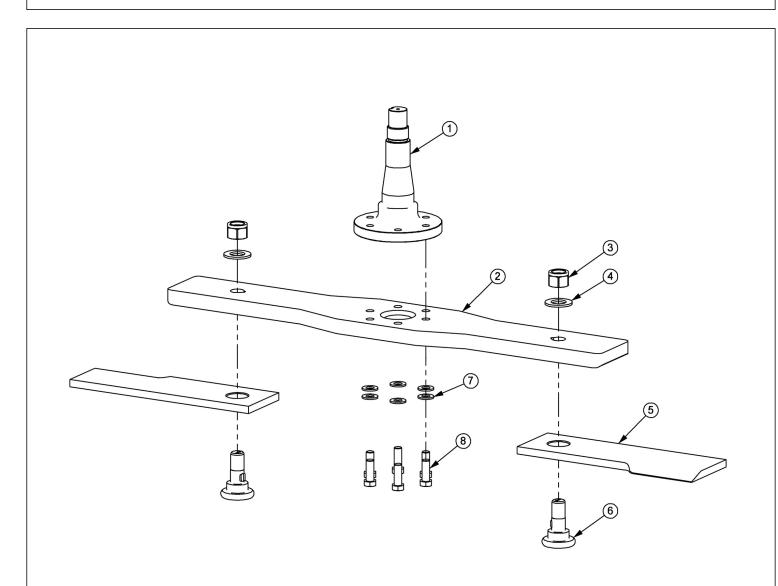
ITEM	PART NO.	QTY.	DESCRIPTION
9	6T2270	16	PLOW BOLT,3/8" X 1" NC
10	22016	33	FLATWASHER,3/8"
11	21625	20	HEX NUT,3/8",NC
12	21988	11	LOCKWASHER, 3/8"
13	21633	11	CAPSCREW, 3/8 X 1 3/4,NC
14	6T0823	1	FLAP RETAINER,60" RTRY
15	06520238	2	FLAP,60" RTRY
16	6T1033	1	COUPLER COVER
17	6T1029	1	COUPLER CHAIN
18	21223	1	SPROCKET
19	21733	4	CAPSCREW, 1/2 X 2,NC
20	33776	1	MOTOR MOUNT,PLATE,RTRY
21	24490	1	HOSE - PRESSURE
	06500155	1	HOSE-PRESSURE (LRS ONLY)
22	TF4852	2	FLANGE KIT - #20
23	6504011	1	MOTOR
24	24489	1	HOSE - RETURN
	06500154	1	HOSE-RETURN (LRS ONLY)
25	21725	4	HEX NUT, 1/2" NC
26	06533004	4	FLATWASHER, 1/2"
27	6T2290	4	CAPSCREW,5/8X2,NF GR 8
28	33764	8	FLATWASHER,5/8",GR 8,SAE
29	21992	4	LOCKWASHER, 5/8
30	6T2408	4	HEX NUT, 5/8, NF
31	TF1124	1	SQUARE KEY
32	33881	2	CAPSCREW,FLG, 3/8 X 3/4,NC
33	33779	1	PLATE,COVER,KNF HOLE
34	06410439	1	COVER
35	22014	2	FLATWASHER,1/4
36	21530	2	CAPSCREW,1/4 X 1,NC
37	34187	1	HOSE 1/4" X 75"
38	34186	1	HOSE 1/4" X 66"
39	RD1032	2	LYNCH PIN
40	33984	2	PIN,SHIELD
41	33785	1	1-1/2" X 8", CYLINDER, WELDED
42	6T3017	2	ROLLPIN
43	06420139	1	HINGE PIN,60" RTRY
44	33772	1	LINK, SHIELD,RTRY
45	21634	2	CAPSCREW, 3/8" X 2, NC
46	33773	1	LINK 2, SHIELD,RTRY
47	06401245	2	SKID SHOE,TRB60

60IN ROTARY KNIVES AND DISH



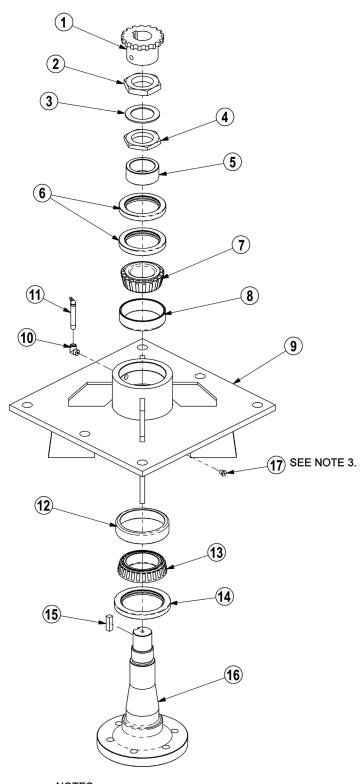
ITEM	PART NO.	QTY.	DESCRIPTION
1	34876	1	BLADE MOUNTING DISH,60"
2	6T1023R	2	NYLOCK NUT,1-1/8",NF
3	34878	2	SPACER
4	34684	2	STANDARD GRASS KNIFE
5	34685	2	HIGH SUCTION GRASS KNIFE (OPTIONAL)
6	34497	2	KNIFE MOUNTING BOLT
7	25270	6	FLATWASHER,5/8",GR8,USS
8	6T2259	6	CAPSCREW,5/8" X 1-3/4",NF,GR8
	6T1825	1	LOCKTITE (USED ON ITEM 8)
	27167	1	BOLT KIT (ITEMS 7 & 8)
	33893	1	KNIFE KIT (ITEMS 2,4 & 6)

60IN ROTARY BLADE BAR AND KNIVES



ITEM	PART NO.	QTY.	DESCRIPTION
1	PT1018H5	1	SPINDLE
2	06400690	1	BAR,BLADE,RTRY60
3	6T1023R	2	KNIFE MTG NUT,1-1/8,NYLOCK,NF
4	06533002	2	FLATWASHER,1-1/8,GR8
5	06521001	2	KNIFE,TRB50,5/8
6	06538000	2	KNIFE MTG BOLT,5/8 SHOULDER
7	33764	6	FLATWASHER,5/8,GR 8,SAE
8	6T2259	6	CAPSCREW,5/8 X 1-3/4,NF,GR8

ROTARY MOWER SPINDLE ASSEMBLY



NOTES:

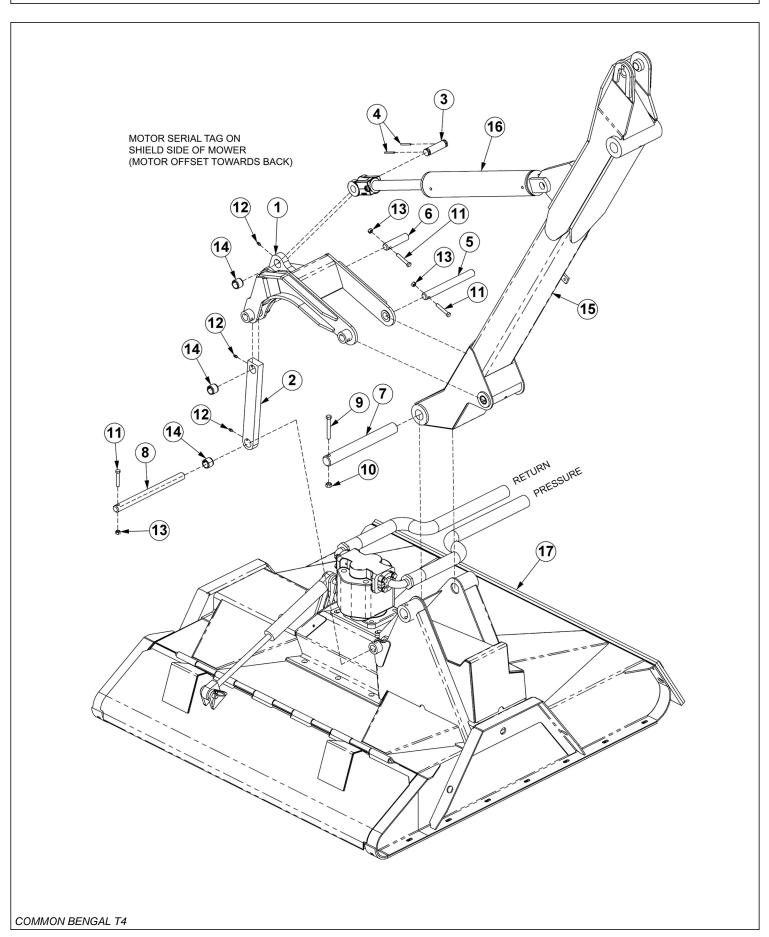
- 3. 1. FREEPLAY: .001" .003" 2. GREASE: FILL WITH MOBILITH SHC 220. 3. APPLY LOCTITE "271" TO O-RING PLUG THRDS.

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	PT1018H5	1	SPINDLE
17	06503064	1	O-RING PLUG, 1/8"
	31771	-	SPINDLE REBUILD KIT (INCLUDES ITEMS 2 - 8 AND 12 - 15)

BOOM ROTARY PIVOT ASSEMBLY

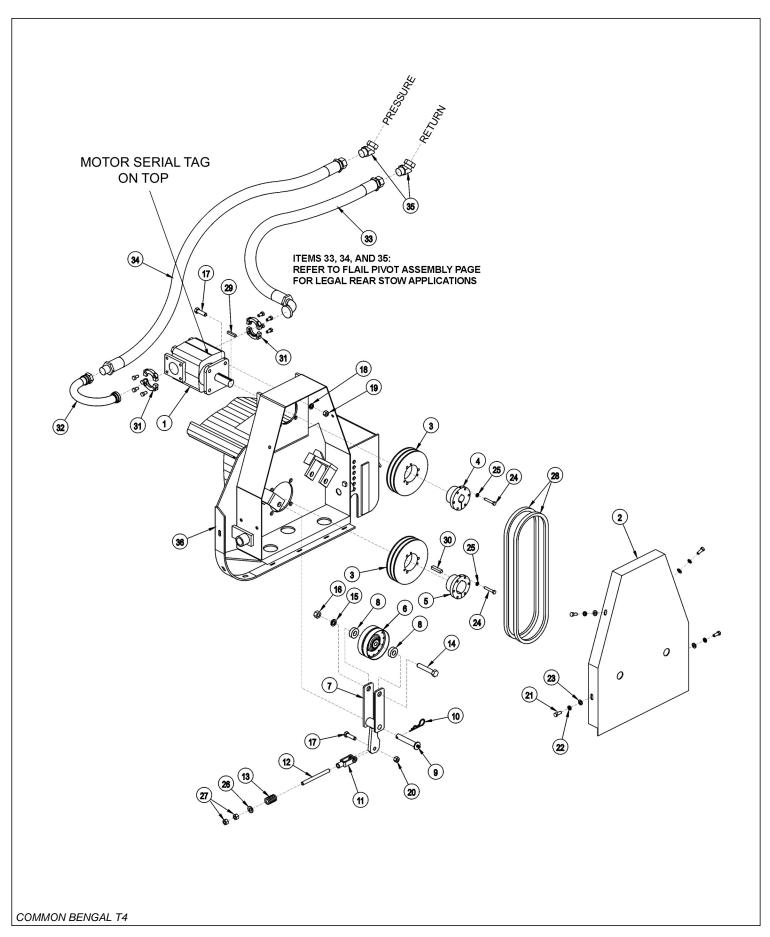


BOOM ROTARY PIVOT ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	TB1032	1	ROTARY PIVOT ASSY
2	TB1028	1	PIVOT ARM ASSY
3	TB1033	1	PIN,CLEVIS
4	06537021	2	ROLL PIN
5	TF3097	1	PIN
6	TB1030	1	PIN
7	33985	1	PIN
8	33986	1	PIN
9	21688	1	CAPSCREW,7/16 X 3-1/4,NC
10	21677	1	NYLOCK NUT,7/16 NC
11	21635	3	CAPSCREW,3/8 X 2-1/4
12	6T3207	3	GREASE ZERK
13	21627	3	NYLOCK NUT,3/8,NC
14	TB3010	3	BUSHING
15		-	SECONDARY BOOM *REFER TO BOOM ARM ASSY
16		-	CYLINDER *REFER TO BOOM ARM ASSY
17		-	ROTARY MOWER HEAD *REFER TO ROTARY DECK

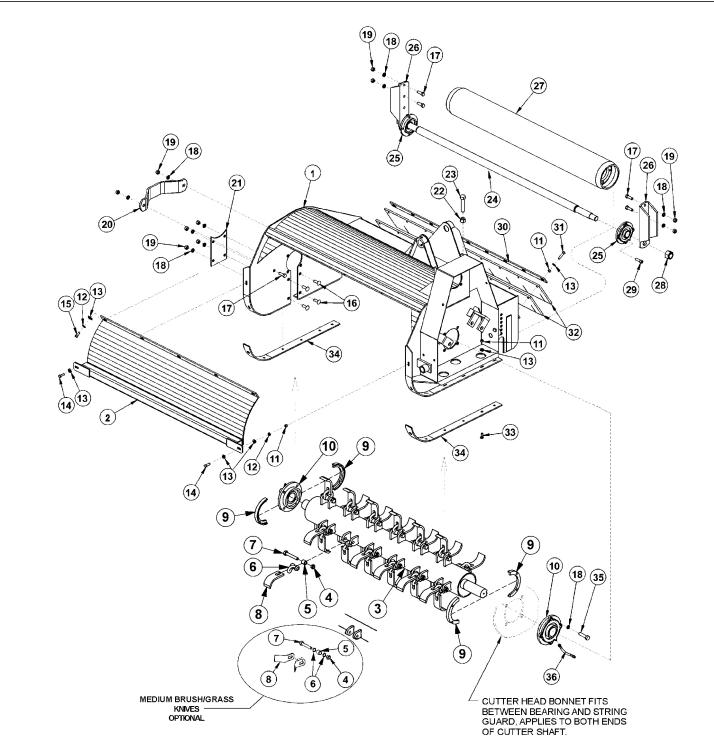
50IN FLAIL DRIVE ASSEMBLY



50IN FLAIL DRIVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	06504132	1	MOTOR (M350-1 3/4" GEAR)
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"
15	21992	1	LOCKWASHER 5/8"
16	21775	1	HEX NUT 5/8"
17	21732	5	CAPSCREW 1/2" X 1 3/4"
18	21990	4	LOCKWASHER 1/2"
19	21725	4	HEX NUT 1/2"
20	6T2418	1	LOCK NUT 1/2"
21	21630	4	CAPSCREW 3/8" X 1"
22	21988	4	LOCKWASHER 3/8"
23	22016	4	FLATWASHER 3/8"
24	21584	6	CAPSCREW 5/16" X 2"
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	34227	1	PREFORMED TUBE
33	31218	1	HOSE - RETURN
34	34331	1	HOSE - PRESSURE
35	24724	2	SWIVEL FITTING
36		-	CUTTER HEAD *REFER TO CUTTER HEAD ASSY

50IN FLAIL MOWER ASSEMBLY

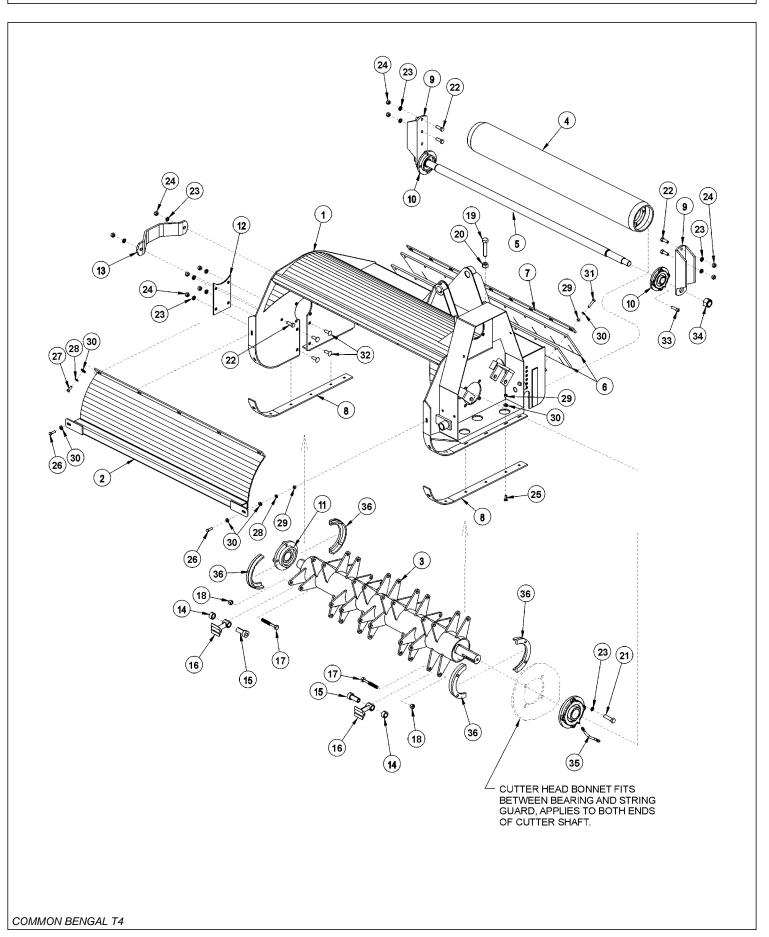


ITEM	PART NO.	QTY.	DESCRIPTION
	34787	1	FLAIL,BOOM,50,BRUSH,CPLT ASSY (LIGHT BRUSH/GRASS)
	06742133	1	$FLAIL, BOOM, 50, MD\ GRASS, CPLT\ ASSY\ (MEDIUM\ BRUSH/GRASS)$
1	TF3003F	1	CUTTER HEAD BONNET
2	TF3004	1	FRONT SHIELD

50IN FLAIL MOWER ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
3	34783	1	TBF50 (LIGHT BRUSH/GRASS KNIFE ASSY)
	06700115	1	TBF50 (MEDIUM BRUSH/GRASS KNIFE ASSY)
4	6T2419	24	HEX NUT,9/16",NC,STOVER
5	41725.01HT	24	BUSHING,1"OD X 5/8"ID
6	34782	24	CLEVIS (LIGHT BRUSH/GRASS KNIVES)
	06430122	48	SPACER (MEDIUM BRUSH/GRASS KNIVES)
7	34786	24	CAPSCREW,9/16" X 3-1/2",NC
8	34780	24	KNIFE (LIGHT BRUSH/GRASS CUTTING)
	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
22	21825	1	HEX NUT,5/8",NC
23	21838	1	CAPSCREW,3/4" X 3-1/2",NC
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

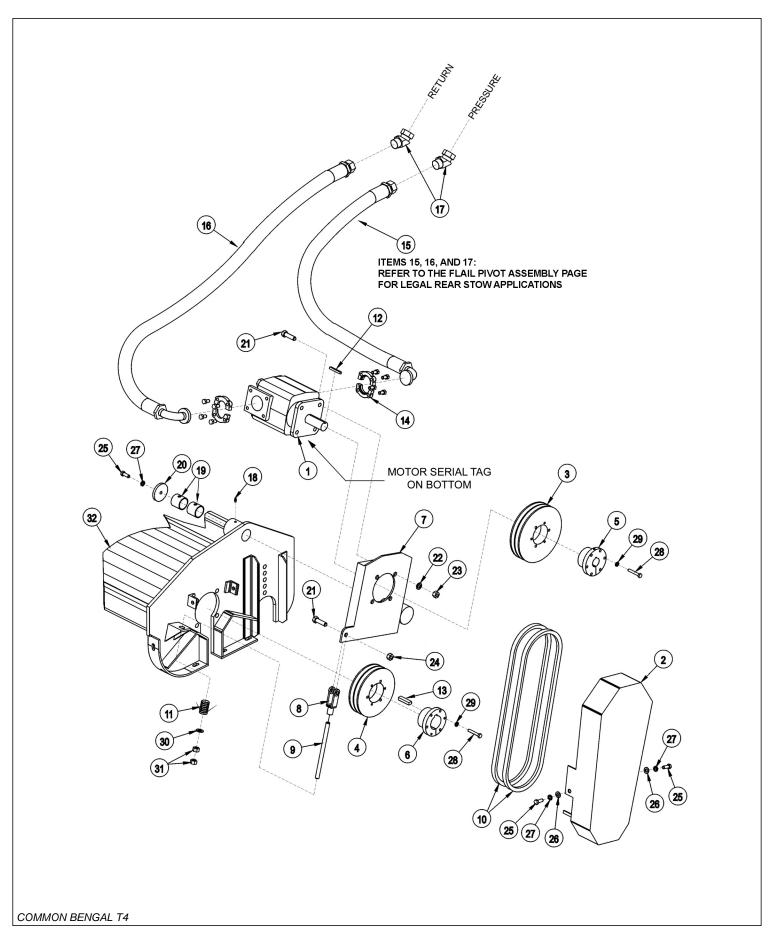
50IN FLAIL MOWER ASSY, PASS-THROUGH KNIVES



50IN FLAIL MOWER ASSY, PASS-THROUGH KNIVES

ı	ITEM	PART NO.	QTY.	DESCRIPTION
-		34172	1	FLAIL,BOOM,50,CPLT ASSY
	1	TF3003F	1	CUTTER HEAD BONNET
2	2	TF3004	1	FRONT SHIELD
3	3	33717	1	TBF50,CUTTERSHAFT,PASS THRU KNIVES
4	4	TF3405	1	GROUND ROLLER
4	5	TF3406	1	GROUND ROLLER TIE ROD
(5	TB1006A	2	DEFLECTOR FLAP
1	7	TB1008	1	FLAP RETAINING BAR
8	3	TF3001	2	SKID SHOE
٥)	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
	19	21838	1	CAPSCREW,3/4" X 3-1/2",NC
2	20	21825	1	HEX NUT,5/8",NC
2	21	21732	8	CAPSCREW,1/2" X 1-3/4",NC
2	22	21731	6	CAPSCREW,1/2" X 1-1/2",NC
2	23	21990	18	LOCKWASHER,1/2"
2	24	21725	10	HEX NUT,1/2",NC
2	25	6T2270	12	PLOWBOLT,3/8" X 1",NC
2	26	21631	2	CAPSCREW,3/8" X 1-1/4",NC
2	27	21630	5	CAPSCREW,3/8" X 1",NC
2	28	21988	7	LOCKWASHER,3/8"
2	29	21625	23	HEX NUT,3/8",NC
3	30	22016	30	FLATWASHER,3/8"
3	31	21633	9	CAPSCREW,3/8" X 1-3/4",NC
3	32	6T7031D	4	PLOW BOLT,1/2" X 1-1/2",NC
3	33	6T2330	8	CAPSCREW,7/16" X 1-1/2",NC,SCKT HD
3	34	6T1023R	2	NYLOCK NUT,1-1/8",NF
3	35	TF1032	1	FLANGE BEARING GREASE HOSE
3	36	31204	2	STRING GUARD SET (2 PIECES PER SET)
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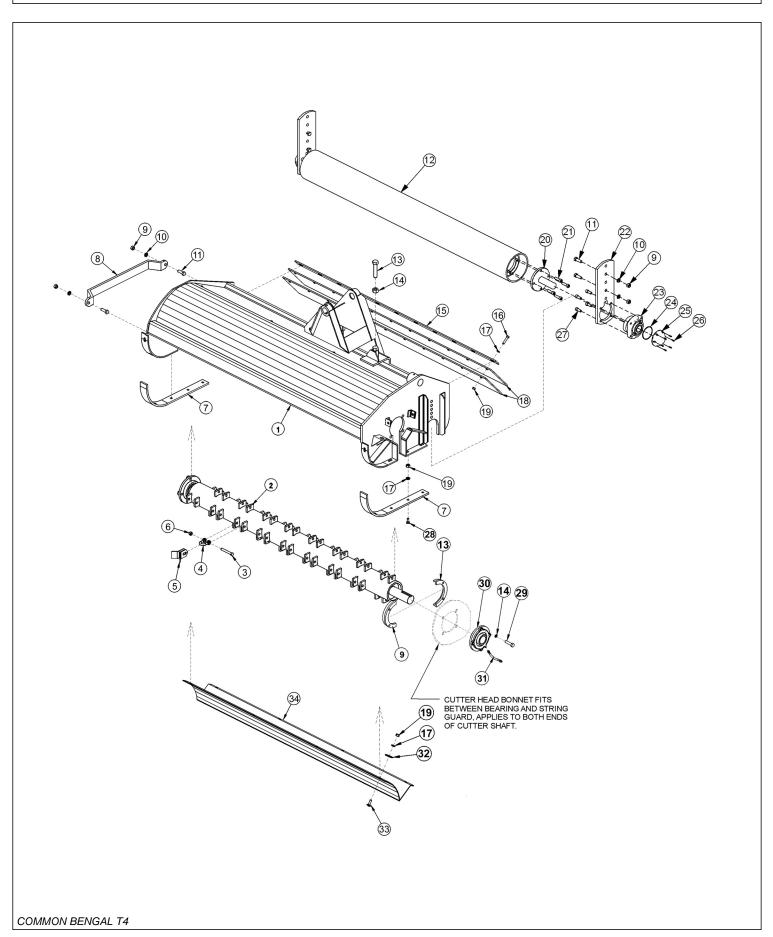
63IN FLAIL DRIVE ASSEMBLY



63IN FLAIL DRIVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	06504132	1	MOTOR (M350-1 3/4 GEAR)
2	32569	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	26142A	1	SQUARE KEY
14	TF4852	2	FLANGE KIT
15	30308	1	HOSE,1 X 69 - PRESSURE
16	30309	1	HOSE,1 X 78 - RETURN
17	24724	2	SWIVEL FITTING
18	TF1033	1	GREASE ZERK
19	27580	2	BUSHING
20	28682	1	MOTOR CHANNEL WASHER
21	21732	5	CAPSCREW 1/2" X 1 3/4"
22	21990	4	LOCKWASHER 1/2"
23	21725	4	HEX NUT 1/2"
24	6T2418	1	STOVER NUT 1/2"
25	21630	3	CAPSCREW 3/8" X 1"
26	22016	2	FLATWASHER 3/8"
27	21988	3	LOCKWASHER 3/8"
28	21584	6	CAPSCREW 5/16" X 2"
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

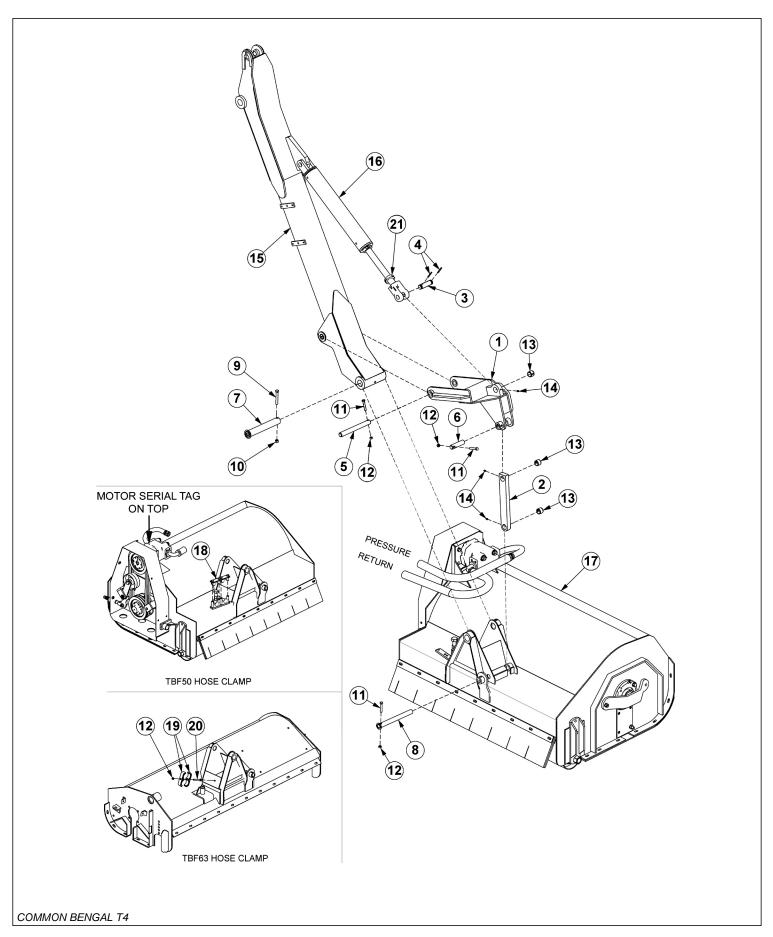
63IN FLAIL MOWER ASSEMBLY



63IN FLAIL MOWER ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
	06200271	-	FLAIL,BOOM,63,GRASS,CPLT ASSY
1	28659H	1	CUTTER HEAD BONNET
2	28743	-	CUTTER SHAFT / KNIFE ASSY STANDARD GRASS
	28642C	1	CUTTER SHAFT,63,STD
3	34011	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"
10	21990	14	LOCKWASHER 1/2"
11	21731	6	CAPSCREW 1/2" X 1 1/2"
12	28650A	1	GROUND ROLLER
13	33863	2	STRING GUARD,STD
14	06533006	8	FLATWASHER,1/2",SAE,L9
15	28700	1	FLAP RETAINING BAR
16	21633	11	CAPSCREW 3/8" X 1 3/4"
17	21988	28	LOCKWASHER 3/8"
18	28701	2	DEFLECTOR FLAP
19	21625	28	HEX NUT 3/8"
20	TF1045B	2	GROUND ROLLER STUB SHAFT
21	6T2330	8	CAPSCREW 7/16" X 1 1/2" SOCKET HEAD
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" SOCKET HEAD
28	6T2270	10	PLOW BOLT 3/8" X 1 1/4"
29	06530217	8	CAPSCREW 1/2" X 2",L9
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"
34	28665A	1	BAFFLE (INSIDE UPPER REAR OF CUTTER HEAD)

BOOM FLAIL PIVOT ASSEMBLY

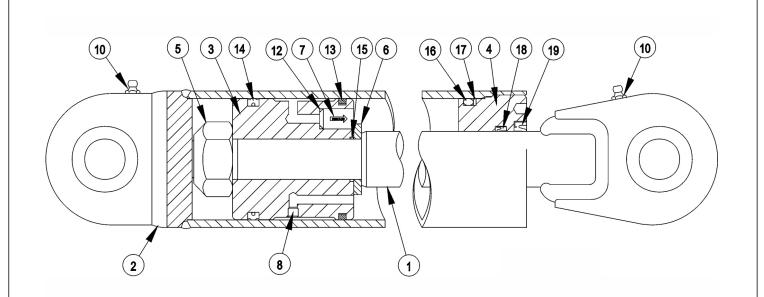


BOOM FLAIL PIVOT ASSEMBLY

Continued...

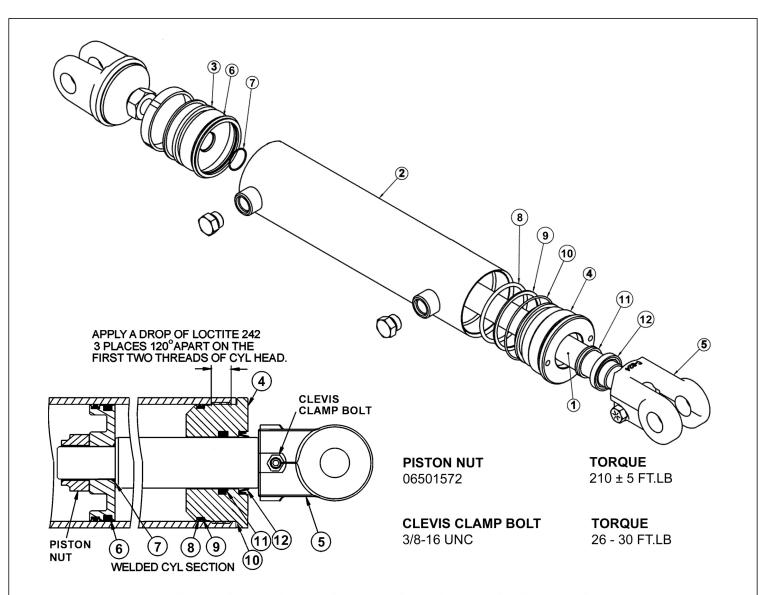
ITEM	PART NO.	QTY.	DESCRIPTION
1	TF3015	1	FLAIL PIVOT ASSY
2	TB1028	1	PIVOT ARM ASSY
3	TB1033	1	PIN CLEVIS
4	06537021	2	ROLL PIN
5	TF3097	1	PIN
6	TF3090	1	PIN
7	TB1024	1	PIN
8	TB1027	1	PIN
9	21688	1	CAPSCREW 7/16" X 3 1/4"
10	21677	1	NYLOCK NUT 7/16"
11	21635	3	CAPSCREW 3/8" X 2 1/4"
12	21627	4	NYLOCK NUT 3/8"
13	TB1030	3	BUSHING
14	6T3207	3	GREASE ZERK
15		-	SECONDARY BOOM *REFER TO BOOM ARM ASSY
16		-	CYLINDER - REFER TO BOOM ARM ASSY
17		-	FLAIL MOWER HEAD *REFER TO FLAIL ASSY
18	31723	1	CLAMP KIT,TBF50 (USED ON 50" FLAIL)
19	TB3031	2	DOUBLE HOSE CLAMP (USED ON THE 63" FLAIL)
20	21638	1	CAPSCREW 3/8" X 3"
21	35312	2	SPLIT COLLAR

3IN X 13-7/8 IN WELDED CYLINDER BREAKDOWN



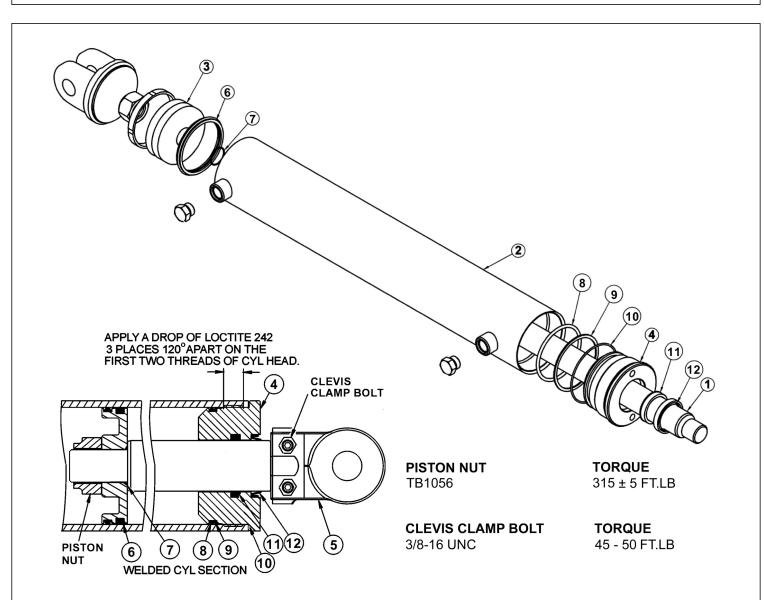
	ITEM	PART NO.	QTY.	DESCRIPTION
l		06501029	-	CYLINDER,WELDED,3" X 13.87"
l	1	06501630	1	PISTON ROD ASSY
l	2	06501631	1	BUTT & TUBE ASSY
l	3	06501632	1	PISTON
l	4	34574	1	GLAND
l	5	34575	1	LOCK NUT,1"-14 UNS (TORQUE TO 315 FT.LB.)
l	6	34576	1	SPACER
l	7	34577	1	CHECK VALVE, KEPNER
l	8	06501633	1	ORIFICE
l	9	33761	1	SEAL KIT, PACKING (ITEMS 12 THRU 19)
l	10		2	GREASE ZERK
l	12		1	O - RING
l	13		1	CAST IRON PISTON RING
l	14		1	CROWN SEAL
l	15		1	O - RING
l	16		1	O - RING
l	17		1	BACK - UP WASHER
l	18		1	U - CUP
l	19		1	WIPER
	20	34334	-	SPHERICAL BEARING (NOT SHOWN)
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3IN X 18IN WELDED CYLINDER BREAKDOWN



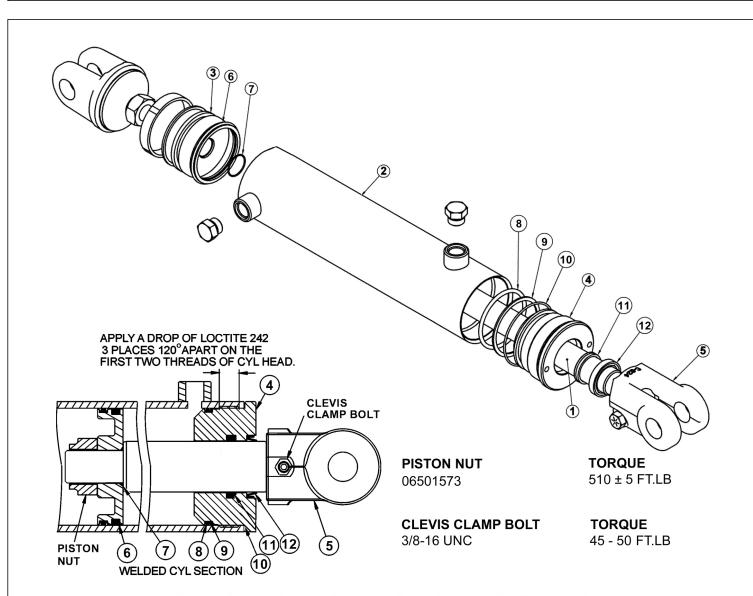
ITEM	PART NO.	QTY.	DESCRIPTION
	06501023	-	HYDRAULIC CYLINDER COMPLETE
1	06501561	1	ROD
2	06501562	1	TUBE WELDMENT
3	06501552	1	PISTON
4	06501563	1	CYLINDER HEAD
5	06501554	1	CLEVIS
	06501564	-	SEAL REPAIR KIT (ITEMS 6 THROUGH 12)
соммо	N BENGAL T4		

3-1/2IN X 20IN WELDED CYLINDER BREAKDOWN



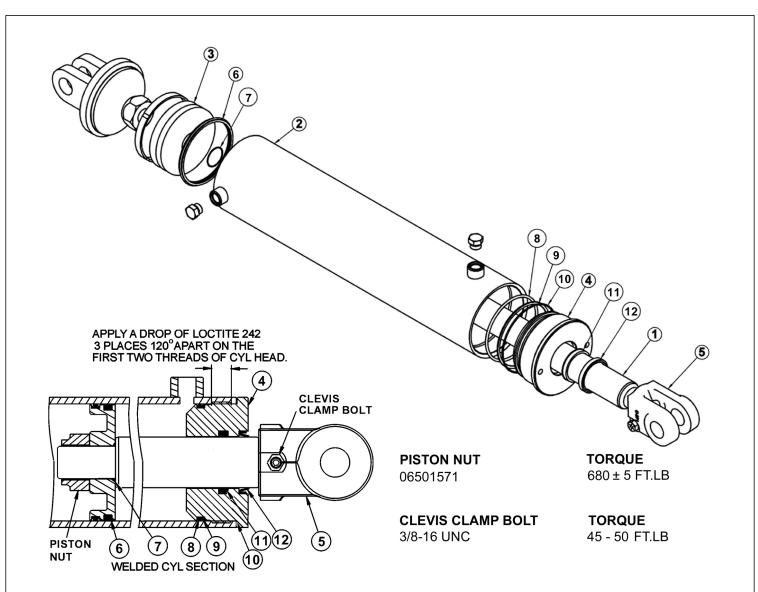
ITEM	PART NO.	QTY.	DESCRIPTION
	06501024	-	HYDRAULIC CYLINDER COMPLETE
1	06501565	1	ROD
2	06501566	1	TUBE WELDMENT
3	06501567	1	PISTON
4	06501568	1	CYLINDER HEAD
5	TB3033	-	CLEVIS
	06501569	-	SEAL REPAIR KIT (ITEMS 6 THROUGH 12)
соммог	I BENGAL T4		

4IN X 20IN WELDED CYLINDER BREAKDOWN



ITEM	PART NO.	QTY.	DESCRIPTION
	06501022	-	HYDRAULIC CYLINDER COMPLETE
1	06501556	1	ROD
2	06501557	1	TUBE WELDMENT
3	06501558	1	PISTON
4	06501559	1	CYLINDER HEAD
5	6T0172	1	CLEVIS
5A	30172	-	CLEVIS (FOR EXTENDED BOOM)
	06501560	-	SEAL REPAIR KIT (ITEMS 6 THROUGH 12)
соммог	N BENGAL T4		

5IN X 20IN WELDED CYLINDER BREAKDOWN

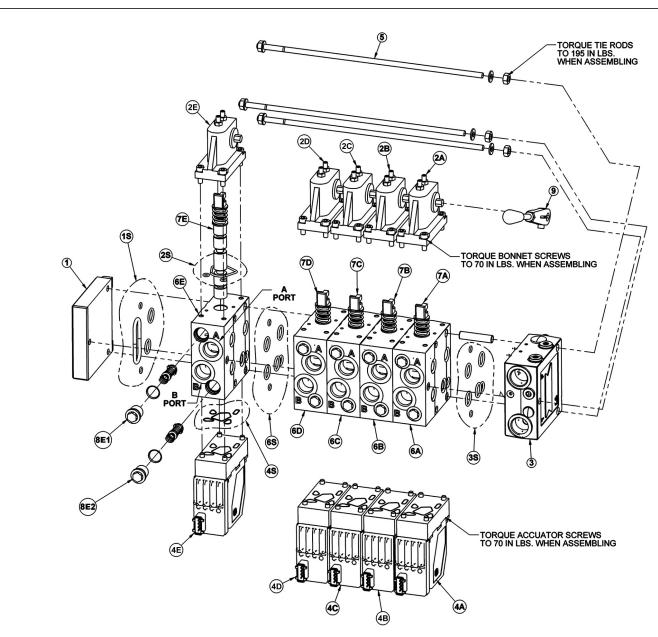


WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

1					
	ITEM	PART NO.	QTY.	DESCRIPTION	
		06501020	-	HYDRAULIC CYLINDER COMPLETE	
	1	06501544	1	ROD	
	2	06501545	1	TUBE WELDMENT	
	3	06501546	1	PISTON	
	4	06501547	1	CYLINDER HEAD	
	5	06501548	1	CLEVIS	
		06501549	-	SEAL REPAIR KIT (ITEMS 6 THROUGH 12)	
١					

NOTES	
NOTES	
COMMON BENGAL T4	

5 SPOOL ELECTRONIC VALVE - OPEN STOW,3PS

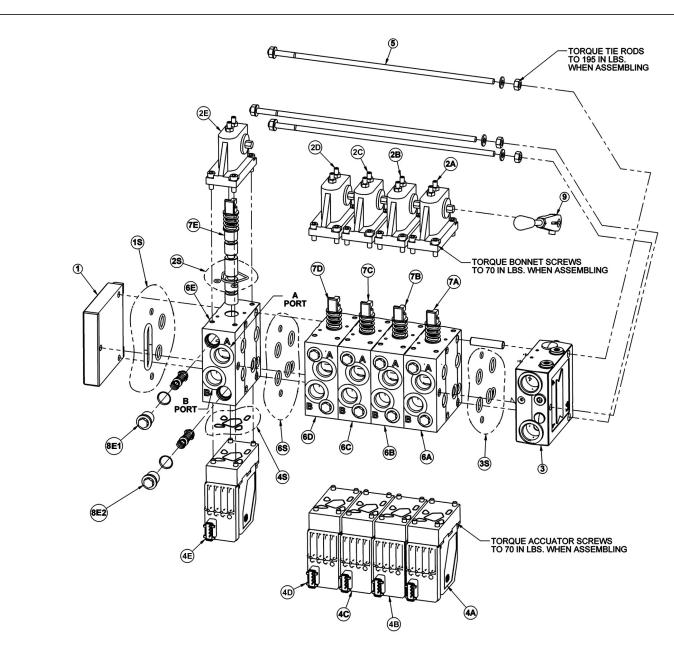


ITEM	PART NO.	QTY.	DESCRIPTION
	06502097	-	VLV,5SP,32PVG,OPEN STOW, 3OS
1	06502074	1	END PLATE
1S	06505013	1	END PLATE SEAL KIT
2		5	BONNET
2S	06505042	1	BONNET SEAL KIT
2A	42197	1	MAIN BOOM BONNET
2B	42197	1	SECONDARY BOOM BONNET
2C	42197	1	DECK ROLL BONNET
2D	42197	1	BOOM SWIVEL BONNET
2E	42197	1	DECK SHIELD BONNET

5 SPOOL ELECTRONIC VALVE - OPEN STOW,3PS

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	06502084	1	MAIN BOOM A PORT RELIEF
8A2	06502081	1	MAIN BOOM B PORT RELIEF
8B1	42296	1	SEC BOOM A PORT RELIEF
8B2	06502082	1	SEC BOOM B PORT RELIEF
8C1	42295	1	DECK ROLL A PORT RELIEF
8C2	06502082	1	DECK ROLL B PORT RELIEF
8D1	06502070	1	BOOM SWIVEL A PORT RELIEF
8D2	06502083	1	BOOM SWIVEL B PORT RELIEF
8E1	06502081	1	DECK SHIELD A PORT RELIEF
8E2	06502081	1	DECK SHIELD B PORT RELIEF
9	33459	1	HANDLE

5 SPOOL ELECTRONIC VALVE - SIDE STOW



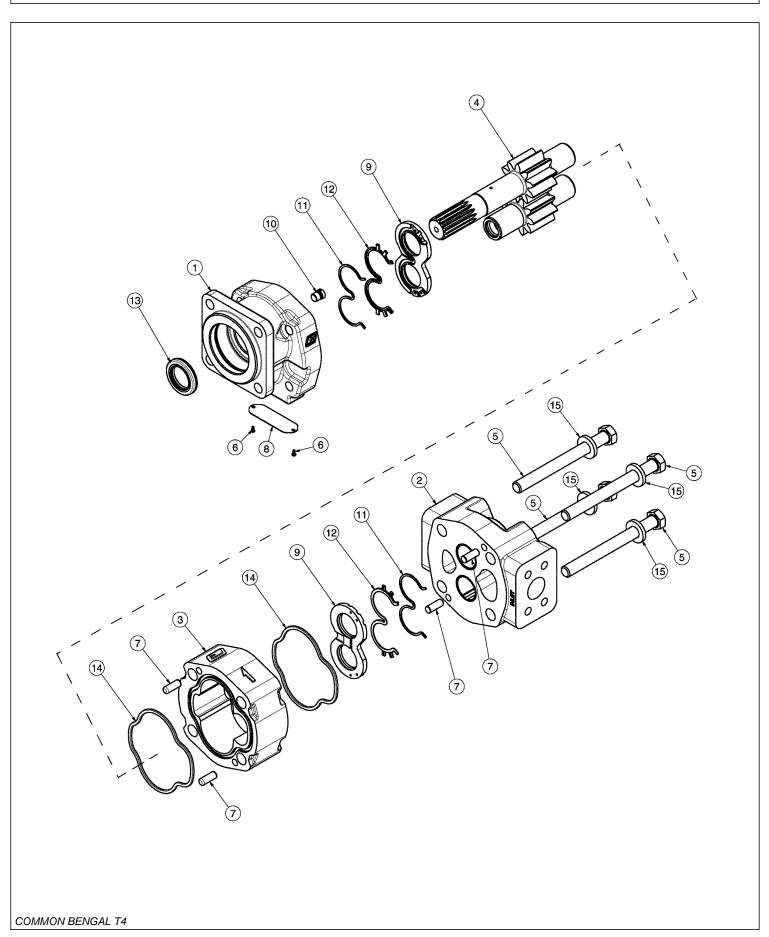
ITEM	PART NO.	QTY.	DESCRIPTION
	06502096	-	VLV,5SP,32PVG,SIDE STOW
1	06502074	1	END PLATE
1S	06505013	1	END PLATE SEAL KIT
2		5	BONNET
2S	06505042	1	BONNET SEAL KIT
2A	42197	1	MAIN BOOM BONNET
2B	42197	1	SECONDARY BOOM BONNET
2C	42197	1	DECK ROLL BONNET
2D	42197	1	BOOM SWIVEL BONNET
2E	42197	1	DECK SHIELD BONNET

5 SPOOL ELECTRONIC VALVE - SIDE STOW

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	42295	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

FRONT HYDRAULIC PUMP

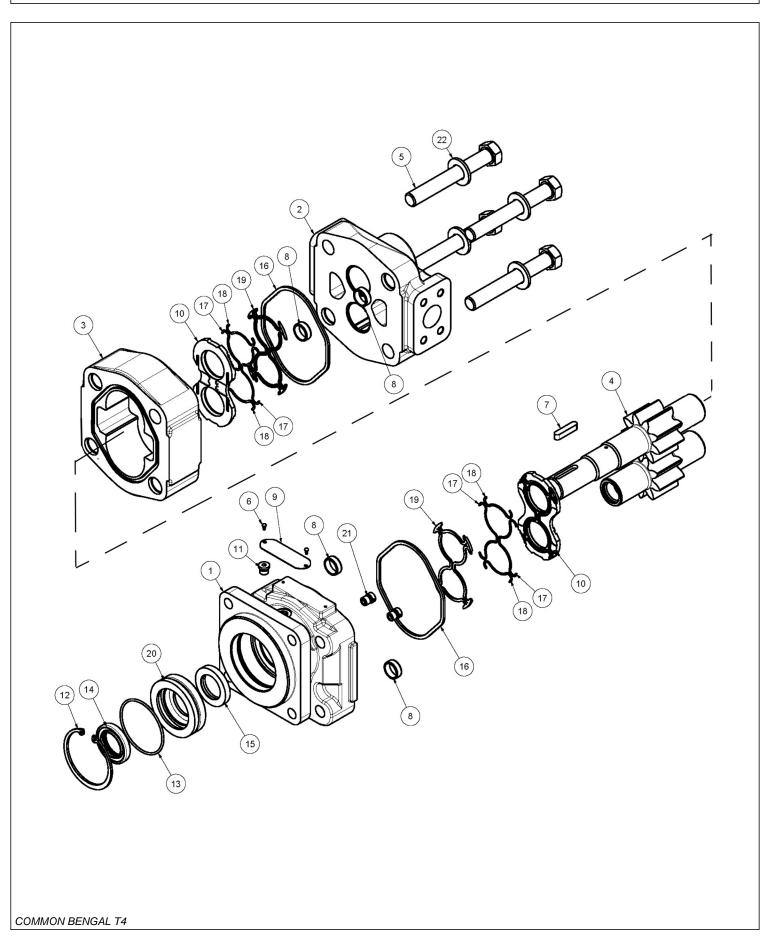


FRONT HYDRAULIC PUMP

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)

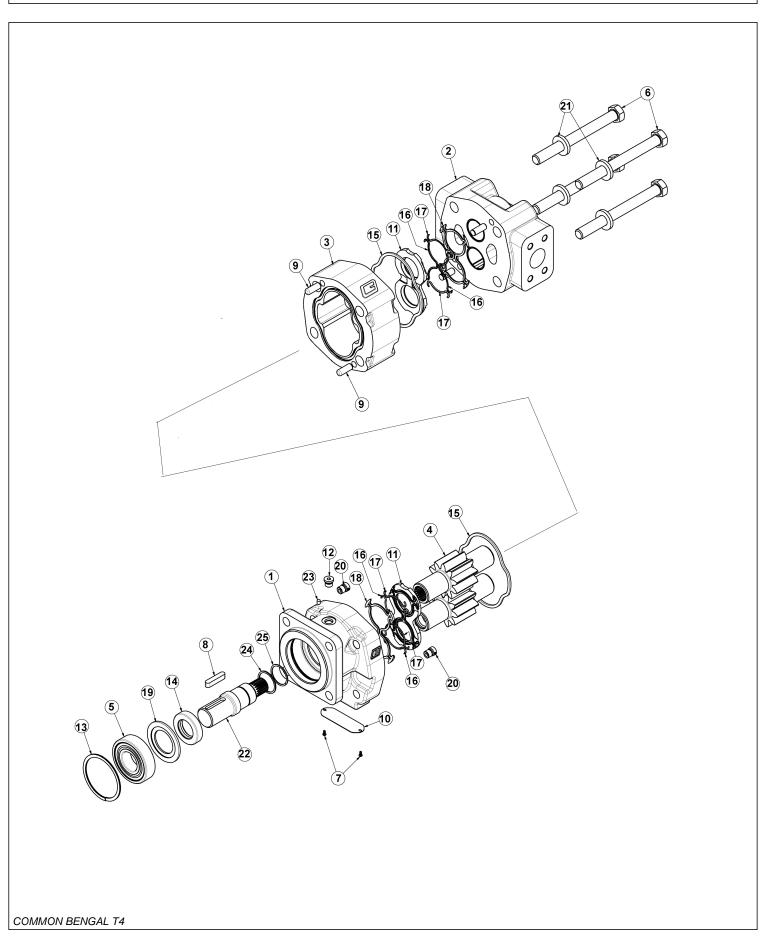
50IN AND 60IN ROTARY MOTOR BREAKDOWN



50IN AND 60IN ROTARY MOTOR BREAKDOWN

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

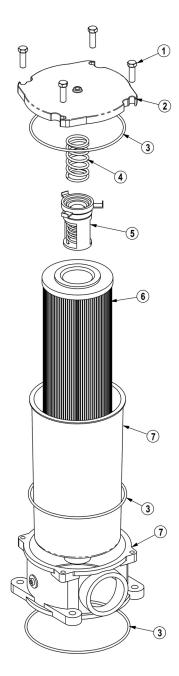
FLAIL MOTOR BREAKDOWN



FLAIL MOTOR BREAKDOWN

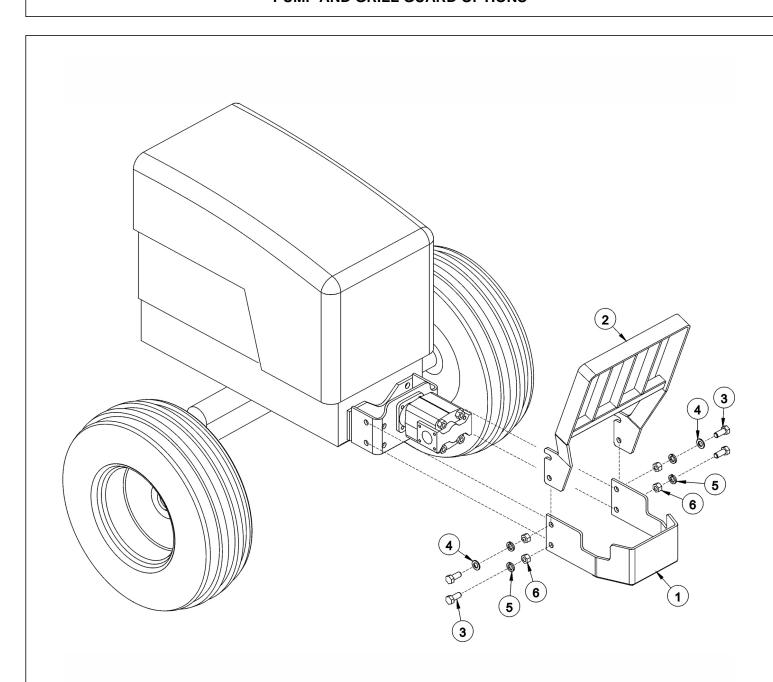
ITEM	PART NO.	QTY.	DESCRIPTION
*	06504132	-	MOTOR ASSEMBLY 350 - TBF50, TBF63
1	06504141	1	SHAFT END COVER
2	06504040	1	PORT END COVER
3	06504041	1	GEAR HOUSING
4	06504117	1	MATCHED GEAR SET
5	TF4402	1	BALL BEARING
6	06504043	4	CAP SCREW
7	06504044	2	SET SCREW
8	06504028	1	KEY
9	06504045	4	DOWEL PIN
10	*	1	NAMEPLATE
11	763759	1	THRUSTPLATE
12	2961940	1	PLUG, ODT (0.25)
13	TF4401	1	SNAP RING
14	06504142	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	06504122	1	SEAL RETAINER
20	6T5809	2	CHECK ASSEMBLY
21	2961917	4	WASHER
22	06504140	1	SHAFT
23	06504139	1	BREATHER
24	06504121	1	SPACER, BRG
25	06504119	1	SNAP RING
*	06504022	-	SEAL KIT

RESERVOIR TANK FILTER ASSEMBLY



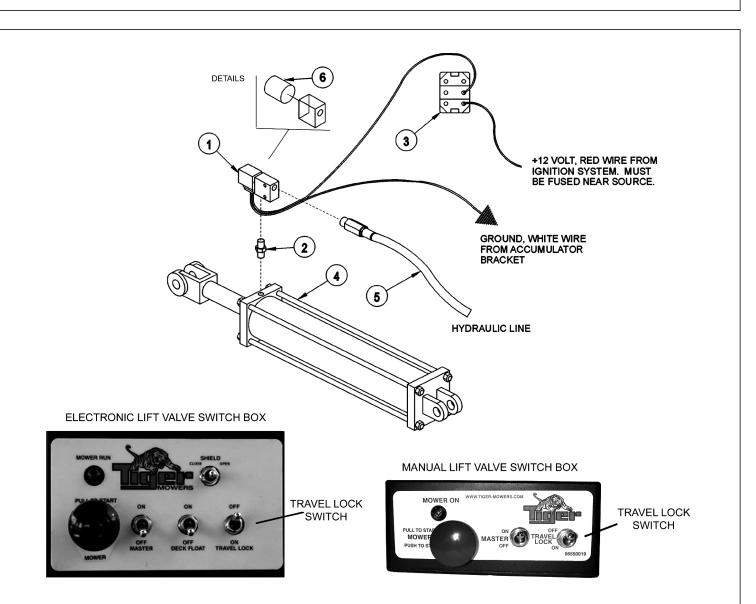
ITEM	PART NO.	QTY.	DESCRIPTION
	06505044	-	FILTER ASSY SAE 10 MICRON
1	28583	4	CAPSCREW,8MM X 25MM(1.25 PITCH)
2	06505045	1	COVER
3	06505046	1	SEAL KIT
4	06505047	1	SPRING
5	06505048	1	BYPASS
6	35259	1	FILTER,10 MIC,RETURN LINE
7	06505049	1	CAN/BODY

PUMP AND GRILL GUARD OPTIONS



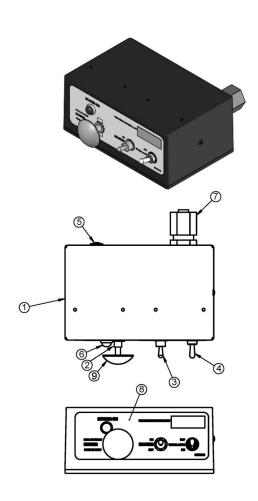
ITEM	PART NO.	QTY.	DESCRIPTION
1	32430	1	UNIVERSAL PUMP GUARD
2	32737	1	UNIVERSAL GRILL GUARD
3	21833	4	CAPSCREW,3/4" X 2-1/4",NC
4	22021	2	FLATWASHER,3/4"
5	21993	4	LOCKWASHER,3/4"
6	21825	4	HEX NUT,3/4",NC

BOOM TRAVEL LOCK



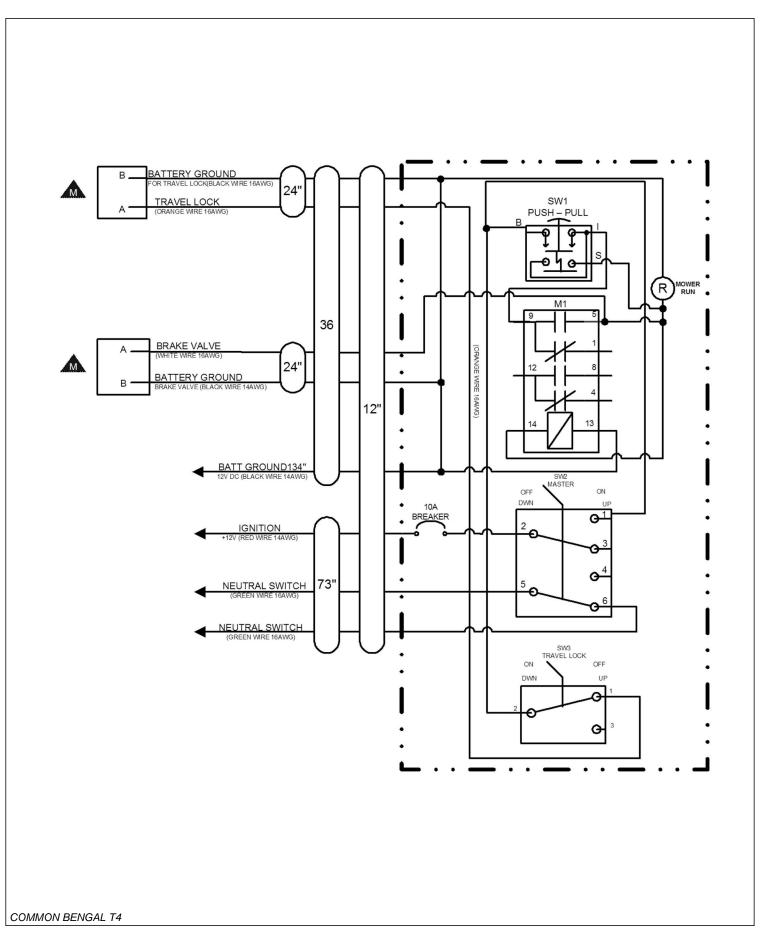
ITEM	PART NO.	QTY.	DESCRIPTION
1	06510050	1	HYDRAULIC TRAVEL LOCK VALVE
2	31329	1	ADAPTER - STANDARD BOOM
	31611	1	ADAPTER - EXTENDED BOOM
3	34532	1	SWITCH,TRAVEL LOCK
4		-	MAIN BOOM CYLINDER *REFER TO BOOM ASSY
5		-	HOSE / FITTINGS *REFER TO BOOM HYD ASSY
6	06510092	1	COIL ,TRAVEL LOCK

MANUAL LIFT VALVE SWITCH BOX

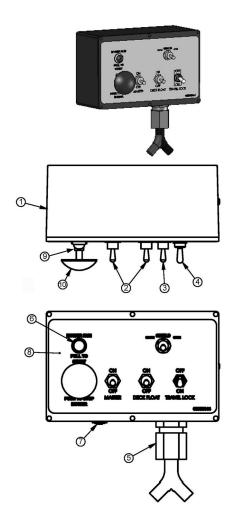


ITEM	PART NO.	QTY.	DESCRIPTION
1	06514012	1	SWBX,ALUM,BLK,06510100
2	35226	1	SWITCH,MOWER,COLEHERSEE
3	33811	1	SWITCH,MASTER/DECK FLOAT
4	34532	1	SWITCH,TRVL LCK
5	06514014	1	BREAKER,10A,SWBX
6	6T3923	1	INDICTATOR LIGHT,ON,RED
7	34540	1	STRAIN RELIEF,3/4,BLACK,NYLON
8	06550019	1	DECAL,SWTCHBX,BOOM,CG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

MANUAL LIFT VALVE SCHEMATIC

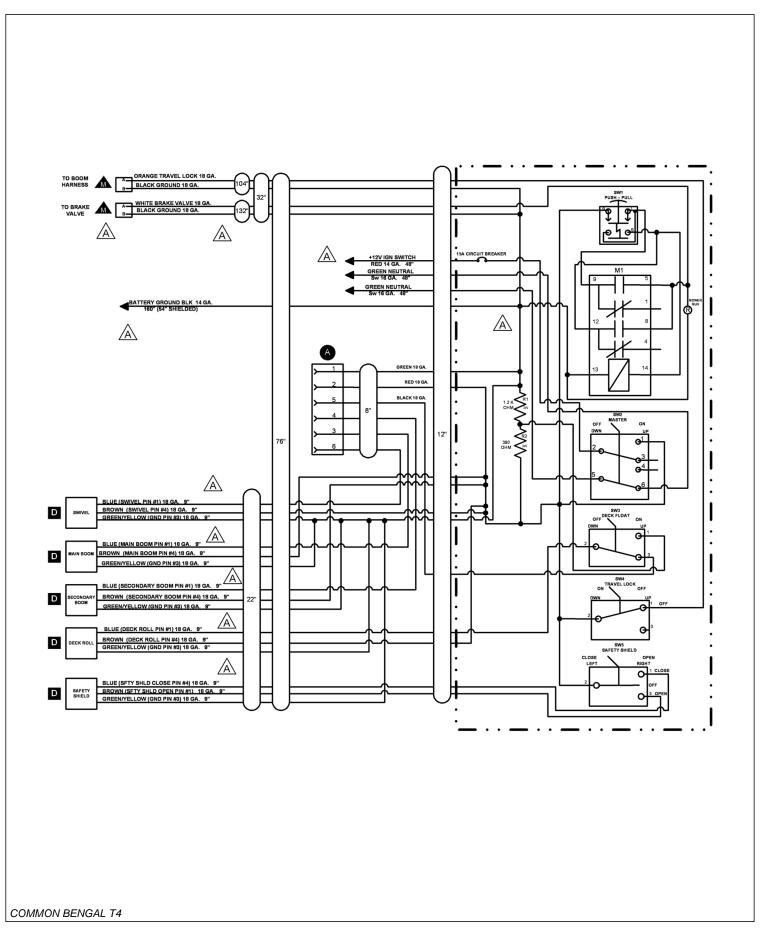


ELECTRONIC LIFT VALVE SWITCH BOX

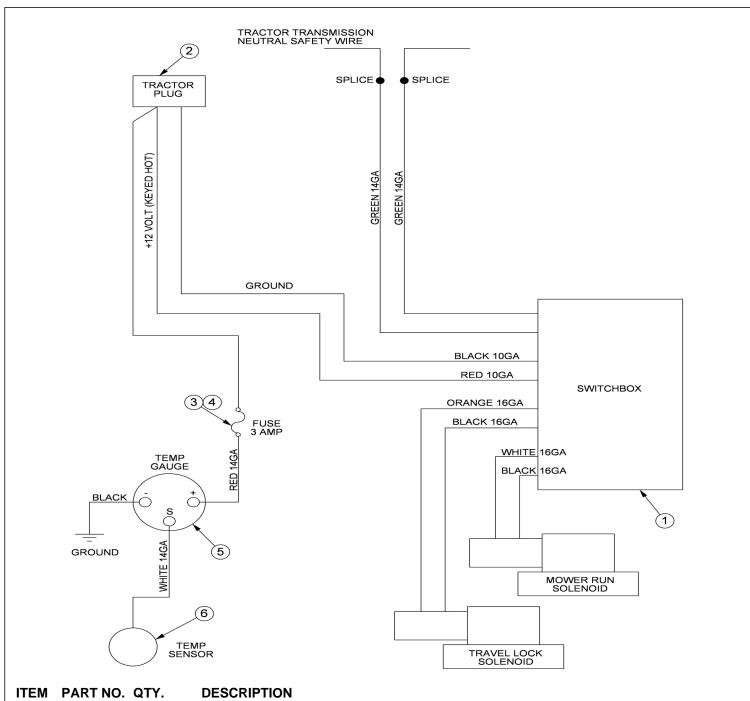


	ITEM	PART NO.	QTY.	DESCRIPTION
	1	06510196	1	SWBX,ASSY
	2	33811	2	SWITCH,MASTER/DECK FLOAT
	3	33813	1	SWITCH,SFTY SHIELD
	4	34532	1	SWITCH,TRVL LCK
	5	34540	1	STRAIN RELIEF,3/4",BLACK,NYLON
	6	6T3923	1	INDICTATOR LIGHT,ON,RED
	7	06514006	1	BREAKER,15A,SWBX
	8	06550044	1	DECAL,SWBX,06510047
	9	35226	1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

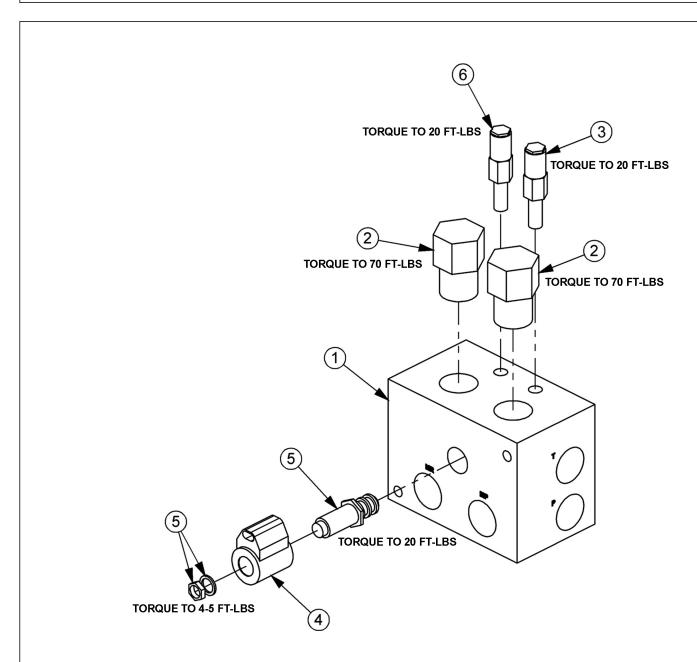


SOLENOID SWITCH BOX AND WIRING



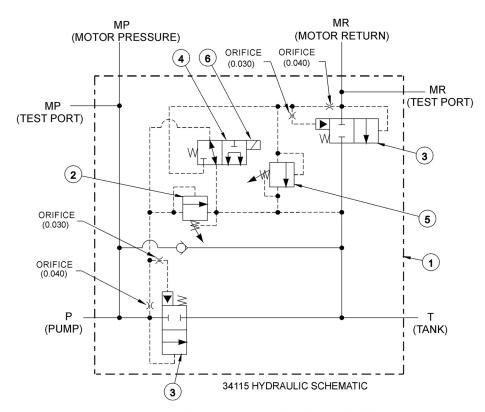
				SOLENOID	
ITEM	PART NO.	QTY.	DESCRIPTION		
1		-	SWITCH BOX		
2	RE37651	1	PLUG,AUX PWR		
3	24204	-	FUSE HOLDER, IN-LINE (OPTION)		
4	6T3965	-	FUSE,3AMP (OPTION)		
5	6T3934	-	TEMPERATURE GAUGE (OPTION)		
6	6T3931	-	TEMPERATURE SENSOR (OPTION)		
COMMON BENGAL T4					

BRAKE VALVE ASSEMBLY



ITEM	PART NO.	QTY.	DESCRIPTION		
	06510083	1	BRAKE VALVE, ASSY		
1	34092	1	BRAKE VALVE, BLANK		
2	34094	2	LOGIC ELEMENT		
3	34095	1	RELIEF VALVE, 3000 PSI		
4	06510095	1	METRI PAK COIL		
5	34093	1	CARTRIDGE, 2 POSITION, 3 WAY (WITH NUT & WASHER)		
6	34091	1	RELIEF VALVE, 2600 PSI		
	34096	2	RELIEF SEAL KIT		
	34097	1	SOLENOID SEAL KIT		
	34098	2	ELEMENT SEAL KIT		
COMMON BENGAL T4					

BRAKE VALVE HYDRAULIC SCHEMATIC



BRAKE VALVE TROUBLESHOOTING

FAILURE MODE:	CHECK STEPS
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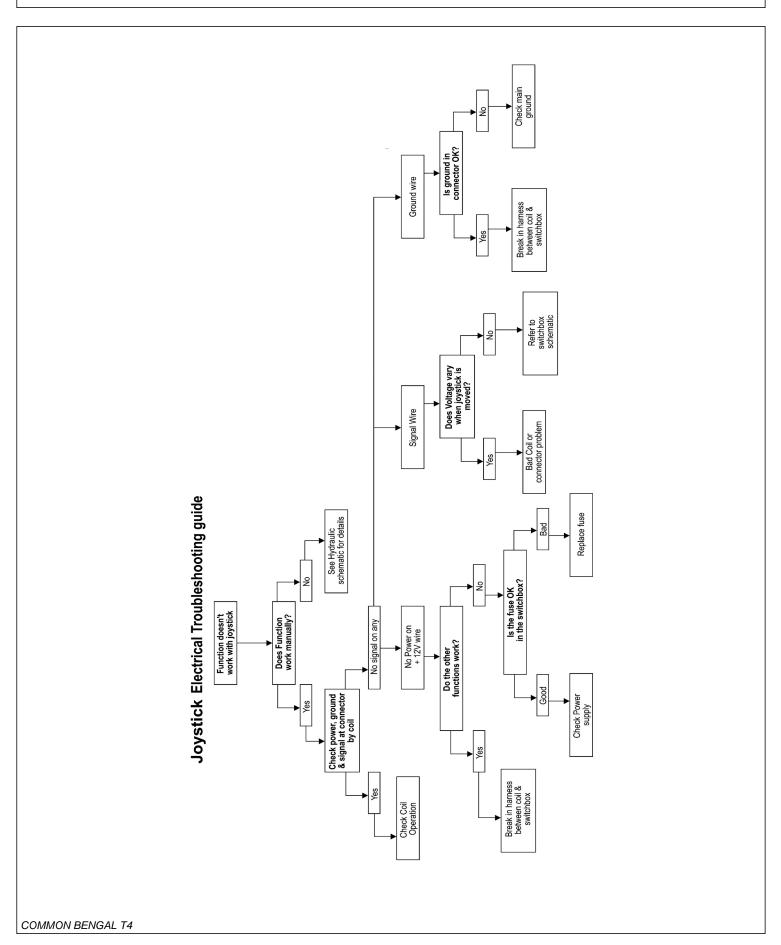
- MOWER WILL NOT START system pressure is low
 (engine not lugging).
 1 thru 6
- MOWER WILL NOT START system pressure is high
 (engine lugging). "MR" port will be high pressure.
- MOWER WILL NOT ROTATE AT FULL SPEED limited power. 3 thru 5
- MOWER BLADE WILL NOT STOP blade will not stop in proper time. 7 thru 9

CORRECTIVE STEPS:

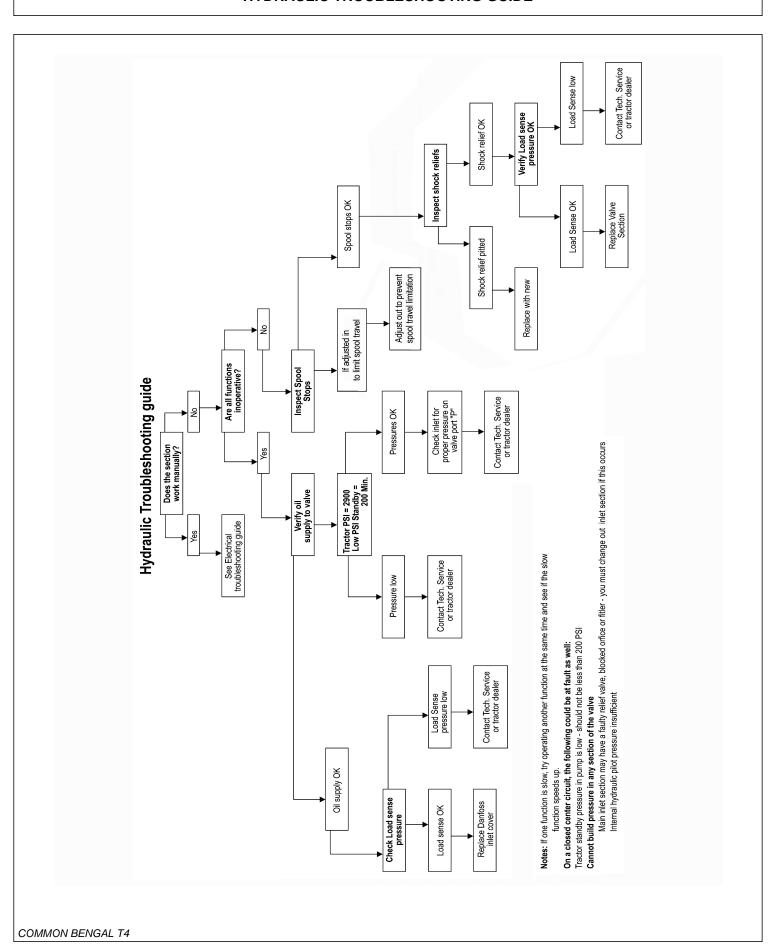
- 1. Check for voltage at solenoid (item 6), voltage must be between 10.2 volts and 13.8 volts.
- 2. Remove, inspect solenoid and cartridge (items 4, 6) for wear or contamination.
- 3. Remove, inspect logic elements near "P" port (item 3) for wear or contamination.
- 4. Remove, inspect 3000 psi relief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

COMMON BENGAL T4

ELECTRICAL TROUBLESHOOTING GUIDE



HYDRAULIC TROUBLESHOOTING GUIDE



TROUBLESHOOTING

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.

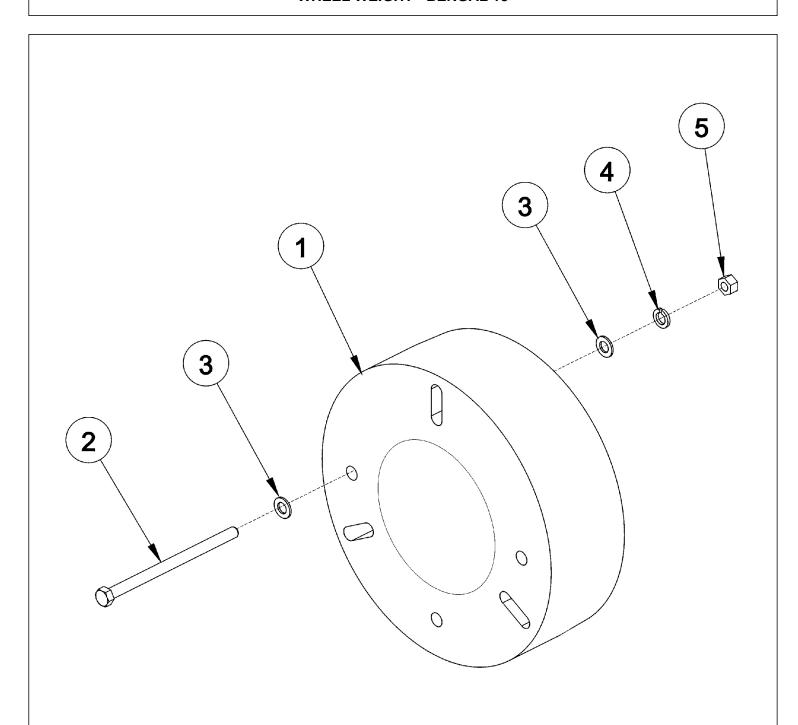
Possible hydraulic problems.

Cylinder leak.

LS signal leaking to tank before reaching pump LS port.

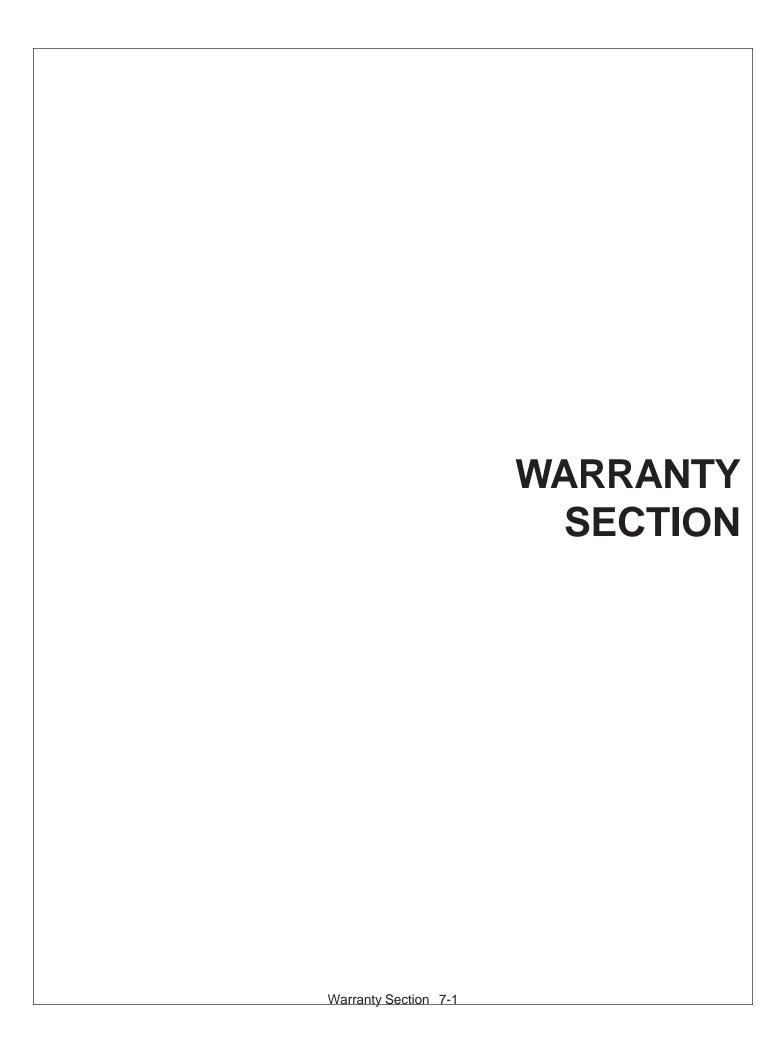
Hydraulic system or pump not supplying flow to valve.

WHEEL WEIGHT - BENGAL 18



ITEM	PART NO.	QTY.	DESCRIPTION
1	30687	1	500# WHEEL WEIGHT
2	21956	4	CAPSCREW,3/4" X 13",NC
3	22021	8	FLATWASHER,3/4"
4	21993	4	LOCKWASHER,3/4"
5	21825	4	HEX NUT,3/4",NC

COMMON BENGAL T4



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!



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 out 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:

- Securely fasten seatbelt it 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

