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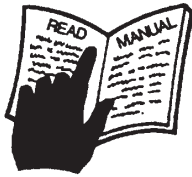
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DANGER

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

1.



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.



1. Study and understand Operator's Manuals, Safety Decals, and Instructional Decals for tractor and implement to prevent misuse, abuse, and accidents. Practice before operating in a confined area or near passersby.

● Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children

2. Allow no children on or near folding mower or tractor. Allow no riders on tractor or implement. Falling off may cause serious injury or death from being run over by tractor or mower or contact with rotating blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seat belt securely fastened to prevent injury and possible death from falling off or tractor overturn.

● Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, & Ear Plugs are recommended.

4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain area is clear before lowering or folding

5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding mowers. Put Booms securely in Transport Rest.

● Folding and Boom Mowers have raised center of gravity. Slow down when turning and on hillsides.

6. Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.

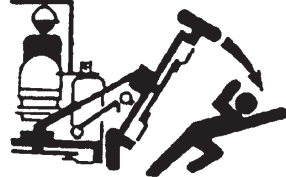
7. Never operate with Cutting Head or Folding Section raised if passersby, bystanders, or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Guards or mower structure.

8. Before dismounting, secure implement in transport position or lower to ground.

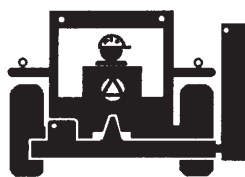
● Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent crushing by entanglement in rotating parts which could cause injury or death.

● Never mount or dismount a moving vehicle. Crushing from rollover may cause serious injury or death.

5. TRANSPORT SAFELY, LOCK UP.



6. USE SMV, LIGHTS, & REFLECTORS.



7. DO NOT OPERATE WITH CUTTER OR WING RAISED.



8. DO NOT MOUNT OR DISMOUNT WHILE MOVING.



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FORWARD

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

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

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

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

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

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

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

MANUFACTURED BY:

Tiger Corporation

3301 N. Louise Ave.

Sioux Falls, SD 57107

1-800-843-6849

1-605-336-7900

www.tiger-mowers.com

DISTRIBUTED BY:

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1012

This symbol means:

CAUTION – YOUR SAFETY IS AT RISK!

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

Tiger is a registered trademark.



SAFETY SECTION

SAFETY

A safe and 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 mower. 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 safely and 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 when operating this equipment.

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



This is the Safety Alert Symbol. When you see this symbol on your machine or in these instructions, be alert to the potential for personal injury.

CAUTION!



The lowest level of Safety Message; warns of possible injury. Decals located on the equipment with this signal word are Black and Yellow.

WARNING!



Serious injury or possible death! Decals are Black and Orange.

DANGER!



Imminent death / critical injury. Decals are Red and White.

READ, UNDERSTAND, and FOLLOW the following Safety Messages. Serious injury or death may occur unless care is taken to follow the warnings and instructions stated in the Safety Messages. Always use good common sense to avoid hazards. (SG-2)


SAFETY INSTRUCTIONS



SAFETY

PELIGRO!




Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad.  /5+



¡ LEA EL INSTRUCTIVO!

DANGER!




Never operate the Tractor or Implement until you have read and completely understand this Manual, the Tractor Operator's Manual, and each of the Safety Messages found in the Manual or on the Tractor and Implement. Learn how to stop the tractor engine suddenly in an emergency! Never allow inexperienced or untrained personnel to operate the Tractor and Implement without supervision. Make sure the operator has fully read and understood the manuals prior to operation.  /6+




WARNING!



Always maintain the safety decals in good readable condition. If the decals are missing, damaged, or unreadable, obtain and install replacement decals immediately.  /7+

WARNING!




Make certain that the "Slow Moving Vehicle" (SMV) sign is installed in such a way as to be clearly visible and legible. When transporting the Equipment use the Tractor flashing warning lights and follow all local traffic regulations.  /8+



WARNING!




Operate this Equipment only with a Tractor equipped with an approved roll-over-protective system (ROPS). Always wear seat belts. Serious injury or even death could result from falling off the tractor--particularly during a turnover when the operator could be pinned under the ROPS.  /9+




WARNING!

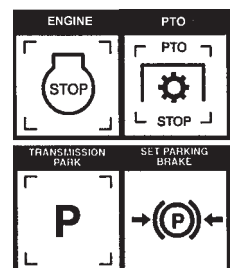


Do not modify or alter this Implement. Do not permit anyone to modify or alter this Implement, any of its components or any Implement function.  /: +

DANGER!



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



SAFETY

DANGER!



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

***** / 32+



DANGER!



Never allow children to operate or ride on the Tractor or Implement.

***** / 33+



WARNING!



Do not mount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped.

34+

***** /



DANGER!



Start tractor only when properly seated in the Tractor seat. Starting a tractor in gear can result in injury or death. Read the Tractor operators manual for proper starting instructions. * / 35+



DANGER!



Never work under the Implement, the framework, or any lifted component unless the Implement is securely supported or blocked up to prevent sudden or inadvertent falling which could cause serious injury or even death. *** / 36+



DANGER!



Do not operate this Equipment with hydraulic oil leaking. Oil is expensive and its presence could present a hazard. Do not check for leaks with your hand! Use a piece of heavy paper or cardboard. High-pressure oil streams from breaks in the line could penetrate the skin and cause tissue damage including gangrene. If oil does penetrate the skin, have the injury treated immediately by a physician knowledgeable and skilled in this procedure. *** / 37+



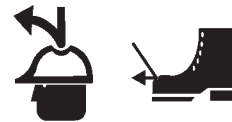
SAFETY

WARNING!



The operator and all support personnel should wear hard hats, safety shoes, safety glasses, and proper hearing protection at all times for protection from injury including injury from items thrown by the equipment.

*U / 38+



CAUTION!



PROLONGED EXPOSURE TO LOUD NOISE MAY CAUSE PERMANENT HEARING LOSS! Tractors with or without an Implement attached can often be noisy enough to cause permanent hearing loss. We recommend that you always wear hearing protection if the noise in the Operator's position exceeds 80db. Noise over 85db over an extended period of time will cause severe hearing loss. Noise over 90db adjacent to the Operator over an extended period of time will cause permanent or total hearing loss. *Note:* Hearing loss from loud noise [from tractors, chain saws, radios, and other such sources close to the ear] is cumulative over a lifetime without hope of natural recovery. *U / 19+



WARNING!



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

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

1. Test the tractor at a slow speed and increase the speed slowly. Apply the Brakes smoothly to determine the stopping characteristics of the Tractor and Implement. As you increase the speed of the Tractor the stopping distance increases. Determine the maximum safe transport speed for you and this Equipment.
2. Test the equipment at a slow speed in turns. Increase the speed through the turn only after you determine that it is safe to operate at a higher speed. Use extreme care and reduce your speed when turning sharply to prevent the tractor and implement from turning over. Determine the maximum safe turning speed for you and this equipment before operating on roads or uneven ground.
3. Only transport the Tractor and Implement at the speeds that you have determined are safe and which allow you to properly control the equipment.



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

SAFETY

WARNING!



Never attempt to lubricate, adjust, or remove material from the Implement while it is in motion or while tractor engine is running. Make sure the tractor engine is off before working on the Implement.

*****UI /42+

WARNING!



Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Make sure all pins are properly secured. Serious injury may occur from not maintaining this machine in good working order. *UI /43+



WARNING!



Always read carefully and comply fully with the manufacturers instructions when handling oil, solvents, cleansers, and any other chemical agent. *UI /44+



DANGER!



Never run the tractor engine in a closed building or without adequate ventilation. The exhaust fumes can be hazardous to your health.

*UI /45+

DANGER!



KEEP AWAY FROM ROTATING ELEMENTS to prevent entanglement and possible serious injury or death.

*****UI /46+



DANGER!



Never allow children to play on or around Tractor or Implement. Children can slip or fall off the Equipment and be injured or killed. Children can cause the Implement to shift or fall crushing themselves or others. *UI /47+

SAFETY

DANGER!



NEVER use drugs or alcohol immediately before or while operating the Tractor and Implement. Drugs and alcohol will affect an operator's alertness and coordination and therefore affect the operator's ability to operate the equipment safely. Before operating the Tractor or Implement, an operator on prescription or over-the-counter medication must consult a medical professional regarding any side effects of the medication that would hinder their ability to operate the Equipment safely. **NEVER** knowingly allow anyone to operate this equipment when their alertness or coordination is impaired.* Serious injury or death to the operator or others could result if the operator is under the influence of drugs or alcohol. *UI /49+



DANGER!



Operate the Tractor and/or Implement controls only while properly seated in the Tractor seat with the seat belt securely fastened around you. Inadvertent movement of the Tractor or Implement may cause serious injury or death. *UI /4; +

WARNING!



Mow only in conditions where you have clear visibility in daylight or with adequate artificial lighting. Never mow in darkness or foggy conditions where you cannot clearly see at least 100 yards in front and to the sides of the tractor and mower. Make sure that you can clearly see and identify passersby, steep slopes, ditches, drop-offs, overhead obstructions, power lines, debris and foreign objects. If you are unable to clearly see this type of items discontinue mowing. *UI 0/3+

DANGER!



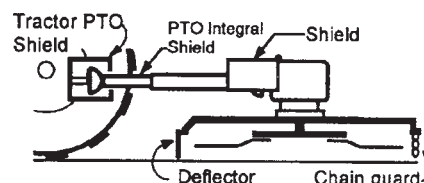
There are obvious and hidden potential hazards in the operation of this Mower. REMEMBER! This machine is often operated in heavy brush and in heavy weeds. The Blades of this Mower can throw objects if shields are not properly installed and maintained. Serious injury or even death may occur unless care is taken to insure the safety of the operator, bystanders, or passersby in the area. Do not operate this machine with anyone in the immediate area. Stop mowing if anyone is within 100 yards of mower. *UI 0/4+



DANGER!



All Safety Shields, Guards and Safety devices including (but not limited to) - the Deflectors, Chain Guards, Steel Guards, Gearbox Shields, PTO integral shields, and Retractable Door Shields should be used and maintained in good working condition. All safety devices should be inspected carefully at least daily for missing or broken components. Missing, broken, or worn items must be replaced at once to reduce the possibility of injury or death from thrown objects, entanglement, or blade contact. *UI 0/5+



SAFETY

DANGER!



The rotating parts of this machine have been designed and tested for rugged use. However, the blades could fail upon impact with heavy, solid objects such as metal guard rails and concrete structures. Such impact could cause the broken objects to be thrown outward at very high velocities. To reduce the possibility of property damage, serious injury, or even death, never allow the cutting blades to contact such obstacles. 0/6+

WARNING!



Extreme care should be taken when operating near loose objects such as gravel, rocks, wire, and other debris. Inspect the area before mowing. Foreign objects should be removed from the site to prevent machine damage and/or bodily injury or even death. Any objects that cannot be removed must be clearly marked and carefully avoided by the operator. Stop mowing immediately if blades strike a foreign object. Repair all damage and make certain rotor or blade carrier is balanced before resuming mowing. 0/7+



WARNING!



Many varied objects, such as wire, cable, rope, or chains, can become entangled in the operating parts of the mower head. These items could then swing outside the housing at greater velocities than the blades. Such a situation is extremely hazardous and could result in serious injury or even death. Inspect the cutting area for such objects before mowing. Remove any like object from the site. Never allow the cutting blades to contact such items. 0/8+

WARNING!



Mow at the speed that you can safely operate and control the tractor and mower. Safe mowing speed depends on terrain condition and grass type, density, and height of cut. Normal ground speed range is from 0 to 5 mph. Use slow mowing speeds when operating on or near steep slopes, ditches, drop-offs, overhead obstructions, power lines, or when debris and foreign objects are to be avoided. 0/9+

WARNING!



Avoid mowing in reverse direction when possible. Check to make sure there are no persons behind the mower and use extreme care when mowing in reverse. Mow only at a slow ground speed where you can safely operate and control the tractor and mower. Never mow an area that you have not inspected and removed debris or foreign material. 0/+

WARNING!



Do not put hands or feet under mower decks. Blade Contact can result in serious injury or even death. Stay away until all motion has stopped and the decks are securely blocked up. 0/+



DANGER!



Replace bent or broken blade with new blades. NEVER ATTEMPT TO STRAIGHTEN OR WELD ON BLADES SINCE THIS WILL LIKELY CRACK OR OTHERWISE DAMAGE THE BLADE WITH SUBSEQUENT FAILURE AND POSSIBLE SERIOUS INJURY FROM THROWN BLADES. 0/32+

SAFETY

WARNING!



Do not mow with two machines in the same area except with Cab tractors with the windows closed. *U O /33+

DANGER!



Rotary and Flail Mowers are capable under adverse conditions of throwing objects for great distances (100 yards or more) and causing serious injury or death. Follow safety messages carefully. **STOP MOWING IF PASSERSBY ARE WITHIN 100 YARDS UNLESS:**

- Front and Rear Deflectors are installed and in good, working condition;
- Mower Head is running close to and parallel to the ground without exposed Blades;
- Passersby are outside the existing thrown-object zone;
- All areas have been thoroughly inspected and all foreign material such as rocks, cans, glass, and general debris has been removed.



NOTE: Where there are grass and weeds high enough to hide debris that could be struck by the blades, the area should be: inspected and large debris removed, mowed at an intermediate height, inspected closely with any remaining debris being removed, and mowed again at desired final height. *UDO /3+



DANGER!



Use extreme caution when raising the Mower head. Stop the Blades from turning when the Mower Head is raised and passersby are within 100 yards. Raising the Mower head exposes the Cutting Blades which creates a potentially serious hazard and can cause serious injury by objects thrown from the Blades or by contact with the Blades. *****UDO /4+

DANGER!



Be particularly careful in transport. The Mower has raised the center of gravity for the tractor and has increased the possibility of overturn. Turn curves or go up slopes only at low speed and using a gradual turning angle. Slow down on rough or uneven surfaces. *UDO /5+



WARNING!



Never Leave the mower unattended while the head is in the raised position. The mower could fall causing serious injury to anyone who might inadvertently be under the mower. *****UDO /6+



WARNING!



The rotating parts of this machine continue to rotate even after the Tractor has been turned off. The operator should remain in his seat for 60 seconds after the brake has been set, the PTO disengaged, the tractor turned off, and all evidence of rotation has ceased. *UDO /7+

“Wait a minute...Save a life!”

SAFETY

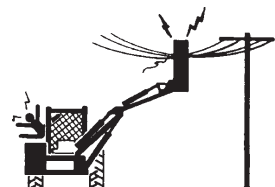


Relieve hydraulic pressure prior to doing any maintenance or repair work on the Implement. Place the Mower Head on the ground or securely supported on blocks or stands, disengage the PTO, and turn off the engine. Push and pull the control Levers or Joystick several times to relieve pressure prior to starting any maintenance or repair work. *UDO /8+

DANGER!



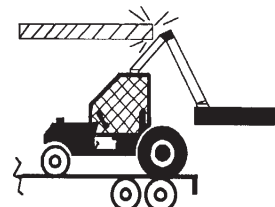
Always keep a careful lookout and use extreme care when working around overhead obstructions. Never allow the Mower head or boom within 10 feet of any power line. When working close to overhead power lines consult your electric company for a safe code of operation. *UDO /9+



DANGER!



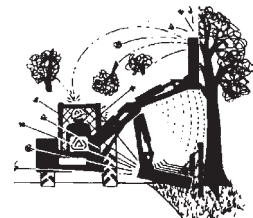
When transporting Boom Mower on a truck or trailer, the height or width may exceed legal limits when the boom is in the transport position. Contact with side or overhead structures or power lines can cause property damage or serious injury or death. If necessary lower boom to reduce height and/or remove mowing head to reduce width to the legal limits. *UDO /; +



DANGER!



Never operate the Tractor and Mower Unit without an OPS (Operators Protective Structure) or Cab to prevent injury from objects thrown from ground or from overhead trimming. Stop mowing if workers or passersby are within 100 yards. *UDO /; +



DANGER!



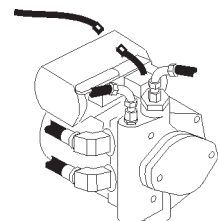
Each Rear Wheel must have a minimum of 1500 pound contact with the surface to prevent lateral instability and possible tip-over which could result in serious bodily injury or even death. Widen the wheel tread and add weights if needed. Refer to the mounting instructions or call Customer Service if you need assistance with Counterweight Procedure. *UDO /33+



DANGER!



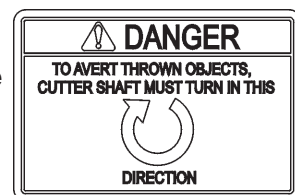
Always disconnect the wire leads from the mower pump solenoid before performing service on the Tractor or Mower. Use caution when working on the Tractor or Mower. Tractor engine must be stopped before working on Mower or Tractor. The Mower Blades could inadvertently be turned on without warning and cause immediate dismemberment, injury or death. ***UDO /34c+



DANGER!



The flail cutter shaft is designed for standard rotation (same rotation as the tractor wheels during forward travel). **Never operate the cutter shaft in the reverse rotation.** Operating this mower in reverse rotation may cause objects to be thrown out the front of the mower head.



SAFETY

WARNING!



Engine Exhaust, some of its constituents, and certain components contain or emit chemicals known to the state of California to cause cancer and birth or other reproductive harm.

WARNING!



Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and birth or other reproductive harm. **Wash hands after handling!**

Tiger mowers use balanced and matched system components for blade carriers, blades, cutter-shafts, knives, knife hangers, rollers, drive-train 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.



In addition to the design and configuration of this Implement, including Safety Signs and Safety Equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of the machine. Refer also to Safety Messages and operation instruction in each of the appropriate sections of the Tractor and Equipment Manuals. Pay close attention to the Safety Signs affixed to the Tractor and Equipment. (SG-18)

SAFETY



DANGER

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

1. READ MANUAL 	2. NO RIDERS, NO CHILDREN OPERATORS 	3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, & ROPS 	4. BLOCK UP SECURELY BEFORE WORKING UNDER 
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1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor & flail mower to prevent misuse, abuse, & accidents. Practice before operating mower 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 implement or tractor. Allow no riders on tractor or implement. Falling off can cause serious injury or death from being runover by tractor or mower or contact with Flail Mower Blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, and 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 that 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 implements. Slow down when turning and on hillsides.
 • Install **Restrictor in folding circuit to slow down lowering and unfolding if action is faster than is desirable.

6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.


7. Never operate with Flail Mower 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 Shields or implement structure.

8. Before dismounting, secure flail mower 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 entanglement in rotating parts which may cause injury or death.
 • Never mount or dismount a moving vehicle. Crushing from runover may cause injury or death.

5. TRANSPORT SAFELY, LOCK UP 	6. USE SMV, LIGHTS, & REFLECTORS. 	7. DONOT OPERATE WITH MOWER OR WING RAISED 	8. DO NOT MOUNT OR DISMOUNT WHILE MOVING 
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PART NO.
LOCATION

002369
HYDRAULIC TANK



PELIGRO

Si No Lee Ingles, Pida Ayuda a Alguien Que Si Lo Lea. Para Que le Traduzca las Medidas de Seguridad.




LEA EL INSTRUCTIVO

00725746


00725746
INSIDE OF CAB

DANGER

THROWN OBJECTS



CUTTING BLADES



KEEP AWAY - ROTATING BLADES

BEING HIT BY THROWN OBJECTS OR CONTACTING ROTATING BLADES CAN CAUSE INJURY OR DEATH.

- Stop mowing if passersby enter the area of thrown objects (See Operator's Manual).
- Use special care if Mower Head or Wing is raised off the ground. (See Manual).
- Operate only if all Guards-Deflectors are in place and in good condition.

00769737

00769737
MOWER DECK

SAFETY



PART NO.
LOCATION

00758194
MOWER DECK



02962764
MAIN BOOM, SECONDARY BOOM, MAIN FRAME



02962765
MAIN FRAME

02965262
HYDRAULIC TANK

SAFETY



CUTTING BLADES



THROWN OBJECTS



KEEP AWAY - ROTATING BLADES

BEING HIT BY THROWN OBJECTS OR CONTACTING ROTATING BLADES CAN CAUSE INJURY OR DEATH

- Stop mowing if passersby enter the area of thrown objects. (See Operator's Manual)
- Use special care when Flail or Wing is raised off the ground. (See Oper. Manual)
- Operate only if all Guards-Deflectors are in place and in good condition.

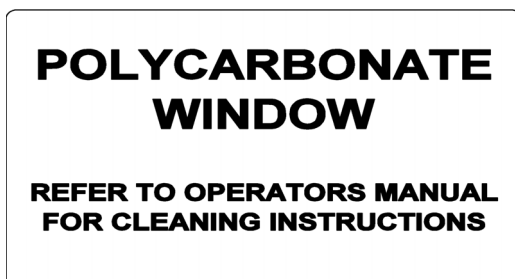
PART NO.
LOCATION

02967668
MOWER DECK

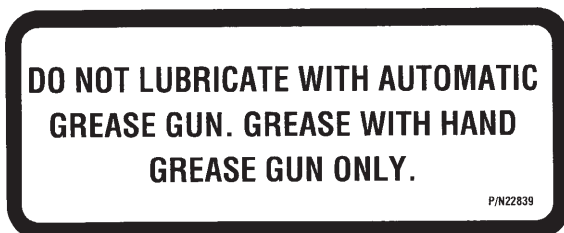
02971123
HYDRAULIC TANK



03200285
OUTSIDE OF CAB



22645
INSIDE OF CAB



22839
MOWER DECK

SAFETY



PART NO.
LOCATION

22840
INSIDE OF CAB



24028
MOWER DECK

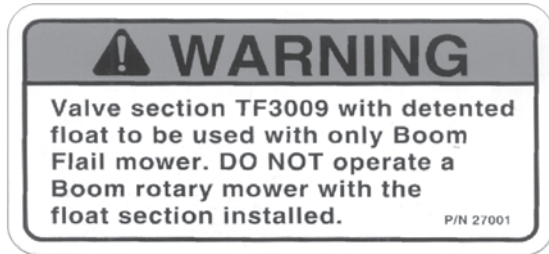
25387
INSIDE OF CAB



10" x 5.5" 31522
MOWER DECK, MAIN BOOM
18.25" x 10" 31523
HYDRAULIC TANK

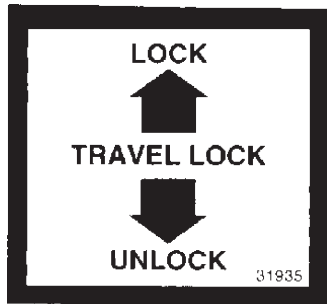
13.5" x 7" 31513

SAFETY



PART NO.
LOCATION

27001
INSIDE OF CAB



31935
INSIDE OF CAB

1. EACH REAR WHEEL MUST HAVE A MINIMUM OF 1500 POUNDS CONTACT WITH THE SURFACE TO PREVENT LATERAL INSTABILITY AND POSSIBLE TIP-OVER WITH BODILY INJURY. WIDEN WHEEL TREAD AND ADD WEIGHTS IF NEEDED. SEE MANUAL OR CALL TIGER CUSTOMER SERVICE FOR COUNTERWEIGHT PROCEDURE.

2. TRANSPORT CAREFULLY! SLOW DOWN EVEN MORE ON SLOPES AND WHEN TURNING; NEVER TURN UP A SLOPE SHARPLY OR AT HIGH SPEED; AND USE EXTRA CARE IN ROUGH OR BUMPY AREAS TO PREVENT OVERTURN AND POSSIBLE CRUSHING INJURY OR DEATH. IF YOUR VIEW TO THE REAR IS BLOCKED, IT IS YOUR RESPONSIBILITY TO INSTALL MIRRORS THAT PROVIDE A REAR VIEW TO PREVENT ACCIDENTS FROM BLIND SPOTS.

3. REAR-MOUNTED BOOM MOWERS MOVE CENTER OF GRAVITY TO THE REAR AND REMOVE WEIGHT FROM FRONT WHEELS. ADD FRONT BALLAST UNTIL AT LEAST 20% OF TRACTOR'S WEIGHT IS ON FRONT WHEELS TO PREVENT REARING UP, LOSS OF STEERING CONTROL, AND POSSIBLE INJURY.

4. NEVER OPERATE UNIT WITHOUT AN OPS (OPERATOR PROTECTIVE STRUCTURE) OR CAB TO PREVENT INJURY FROM OBJECTS THROWN FROM GROUND AND OVERHEAD TRIMMING. STOP CUTTING IF ANYONE IS WITHIN 100 YARDS.

5. KEEP THE BOOM AND CUTTERHEAD AT LEAST 10 FEET FROM ELECTRIC LINES AND PIPE LINES TO PREVENT ACCIDENTAL CONTACT AND POSSIBLE SERIOUS INJURY OR EVEN DEATH.

6. WHEN TRANSPORTING BOOM MOWERS ON A TRUCK OR TRAILER, THE HEIGHT OR WIDTH MAY EXCEED LEGAL LIMITS. CONTACT WITH SIDE OR OVERHEAD STRUCTURES OR POWER LINES CAN CAUSE SERIOUS INJURY OR DEATH. LOWER BOOM TO REDUCE HEIGHT AND/OR REMOVE MOWING HEAD TO REDUCE WIDTH TO THE LEGAL LIMITS, IF NEEDED. 32707

32707
HYDRAULIC TANK



42350
MOWER DECK

SAFETY

ATTENTION

**SERVICE HYDRAULIC SYSTEM
WITH UNIVERSAL TRACTOR
HYDRAULIC OIL.**

32708

PART NO.
LOCATION

32708
HYDRAULIC TANK

CAUTION

For your safety and to guarantee optimum product reliability, always use genuine TIGER replacement parts. The use of inferior "will-fit" parts will void warranty of your TIGER implement and may cause premature or catastrophic failure which can result in serious injury or death. If you have any questions concerning the repair parts you are using, contact TIGER, 3301 N. LOUISE AVE., SIOUX FALLS, SD 57107

32709

32709
INSIDE OF CAB

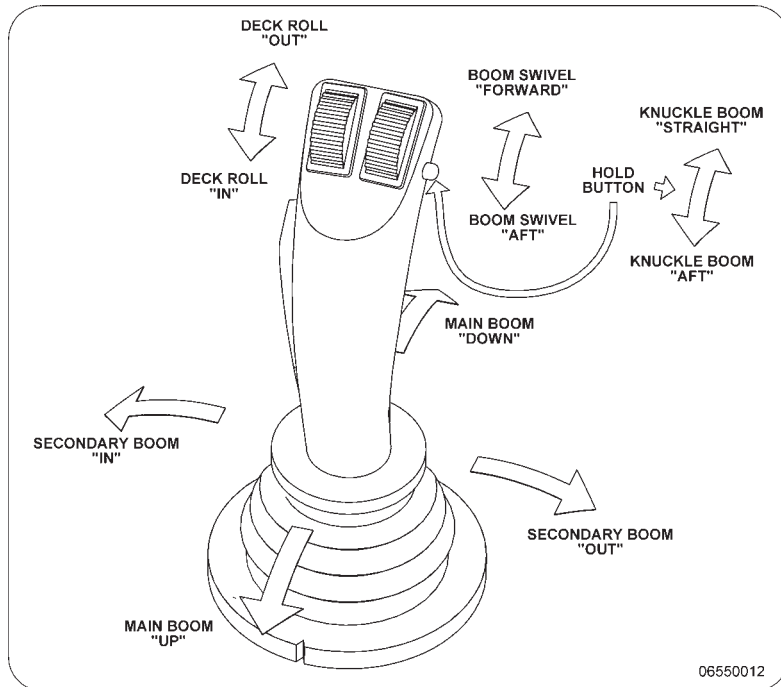
33224
MOWER DECK

Tiger™

33438
MAIN BOOM

SAFETY


PART NO.
LOCATION



06550012
INSIDE OF CAB

MOWING SAFETY TIPS

- ➡ Read & understand the Operators Manual.
- ➡ Wear Your Seat Belt.
- ➡ Keep all shields and guards in place.
- ➡ Make sure equipment is in proper working condition.
- ➡ Never attempt to get off or on a moving tractor.
- ➡ Never allow riders on tractor or equipment.
- ➡ Only start the tractor from the seat with the key.
- ➡ Always inspect the area before mowing. Remove all foreign debris.
- ➡ Always keep bystanders and coworkers a minimum of 300 feet away.
- ➡ Never allow the mower blades to contact solid objects or foreign material.
- ➡ Never approach rotating elements.
- ➡ Disengage the PTO, place transmission in "Park", set parking brake, shut off engine, and remove key and wait until all rotating motion has stopped before leaving seat.



33743

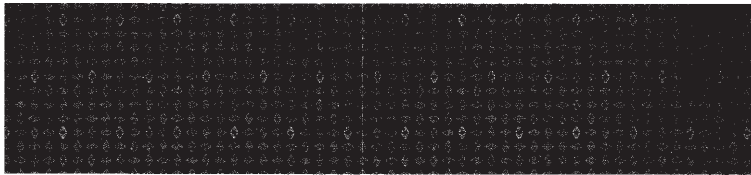
33743
INSIDE OF CAB

SAFETY

PART NO.
LOCATION



RED 42399
REFLECTIVE TAPE
MOWER DECK



AMBER 4240006
REFLECTIVE TAPE
MOWER DECK



6T3217
MOWER DECK



6T3219
INSIDE OF CAB

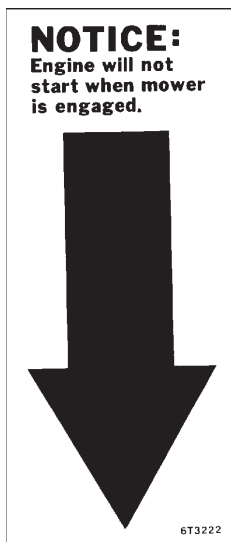
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SAFETY



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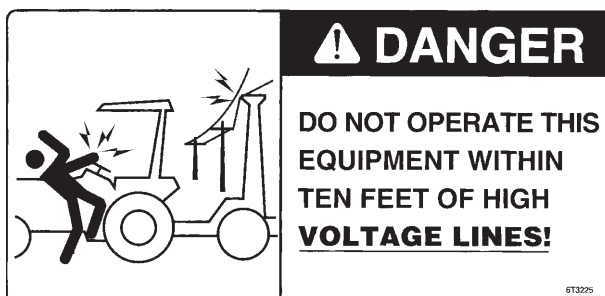
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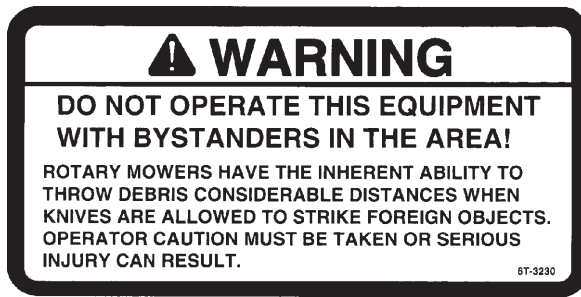


6T3224
MOWER DECK



6T3225
INSIDE OF CAB

SAFETY



PART NO.
LOCATION

6T3230
INSIDE OF CAB



6T3231
INSIDE OF CAB



6T3233
HYDRAULIC TANK

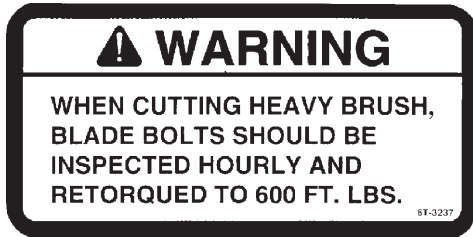


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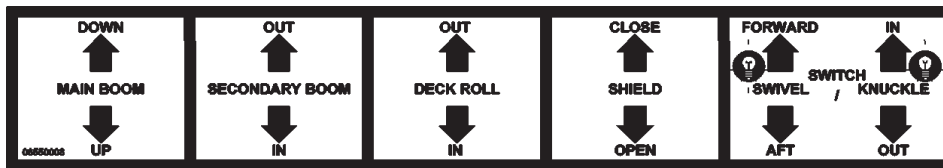
6T3236
MOWER DECK

SAFETY



6T3237

PART NO.
LOCATION
6T3237
INSIDE OF CAB



06550008
INSIDE OF CAB



6T3243
INSIDE OF CAB



6T3249A
MOWER DECK



6T3261
MOWER DECK

SAFETY

WARNING

**DO NOT OPERATE MOWER
WITH SAFETY SHIELD REMOVED.**

TB1011

TB1011
MOWER DECK



Tiger Corporation

800-843-6849

www.tiger-mowers.com

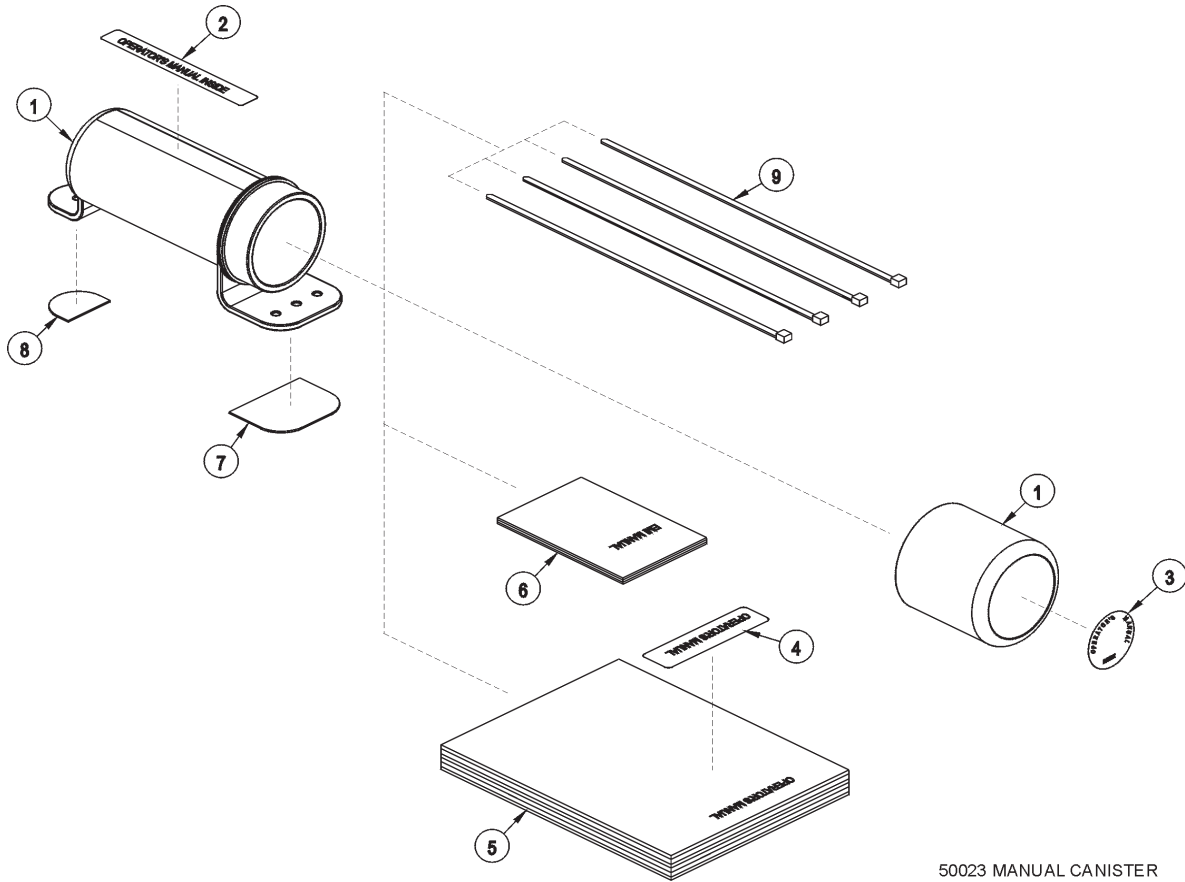
Description	Application	General Specification	Recommended Lubricant
Tractor Hydraulics	Reservoir	JD-20C	Mobilfluid® 424
Mower Hydraulics Cold Temperatures 0°F Start-up Normal Temperatures 10°F Start-up Normal Temperatures 15°F Start-up High Operating Temperatures Above 90°F Ambient	Reservoir	ISO 46 Anti-Wear/ Low Temp JD-20C ISO 46 Anti-Wear ISO 100 Anti-Wear	Mobil DTE® 15M Mobilfluid® 424 Mobil DTE® 25 Mobil DTE® 18M
Flail Rear Gearbox	Reservoir	PAO Synthetic Extreme Pressure Gear Lube	Mobilube SHC® 75W-90, Mobil 1 Synthetic Gear Lubricant
Cutter Shaft and Ground Roller Shaft (Flail)	Grease Gun	Lithium Complex, NLGI 2 ISO 320	Mobilgrease® CM-S
Drive Shaft Coupler (Rotary and Flail) Drive Shaft Yoke, U - Joint and Stub Shaft	Grease Gun	Lithium Complex, NLGI 2 ISO 320	Mobilgrease® CM-S
Boom Swivel, Boom Cylinder Pivots (Rotary and Flail Boom Type)	Grease Gun	Lithium Complex, NLGI 2 ISO 320	Mobilgrease® CM-S
Deck Boom Pivot & Deck Stop Adjustment (Rotary and Flail)	Grease Gun	Lithium Complex, NLGI 2 ISO 320	Mobilgrease® CM-S
Deck Spindle (Rotary)	Grease Gun	Tiger Spindle Lubricant	Tiger Part #25351

For Mobil product information, availability, or technical information, call 1-800-662-4525.

Tiger PN 34852

34852
HYDRAULIC TANK

SAFETY



50023 MANUAL CANISTER

ITEM	PART NO.	QTY.	DESCRIPTION
	50023	AVAIL	MANUAL CANISTER COMPLETE
1	00776031	1	ROUND MANUAL CANISTER
2	33997	1	DECAL, SHEET, MANUAL CANISTER
3		*	DECAL
4		*	DECAL
5	*	AVAIL	SPECIFIC PRODUCT MANUAL
6	33753	1	E M I SAFETY MANUAL
7	34296	1	FRONT ADHESIVE PAD
8	34297	1	REAR ADHESIVE PAD
9	6T1823	4	ZIP TIE 14" LONG

NOTE:

The manual canister can be bolted, zip tied or adhered to a variety of surfaces. Locate a protected area within the view of the operator. Then select an installation method and attach the canister. **CAUTION - AVOID DRILLING HOLES INTO UNKNOWN AREAS**, wires and other parts may be located behind these areas. When adhering the canister to a surface, thoroughly clean that surface before installing the canister.

SAFETY

FEDERAL LAWS AND REGULATIONS

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

Employer-Employee Operator Regulations

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

This Act Seeks:

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

DUTIES

Sec. 5 (a) Each employer-

(1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees;

(2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations and orders issued pursuant to this Act which are applicable to his own actions and conduct.

OSHA Regulations

OSHA regulations state in part: “At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved.”

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.

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.)

SAFETY

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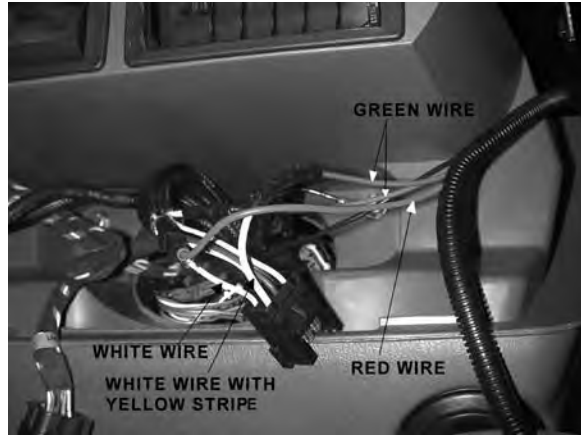
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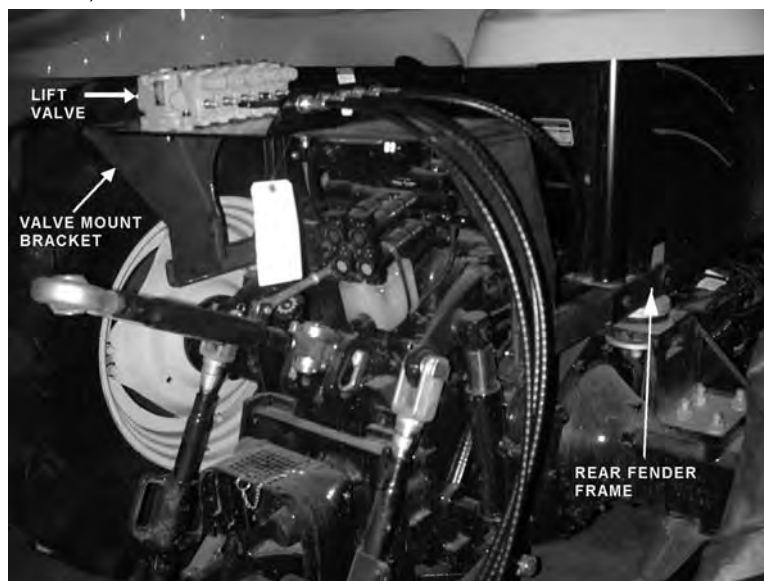
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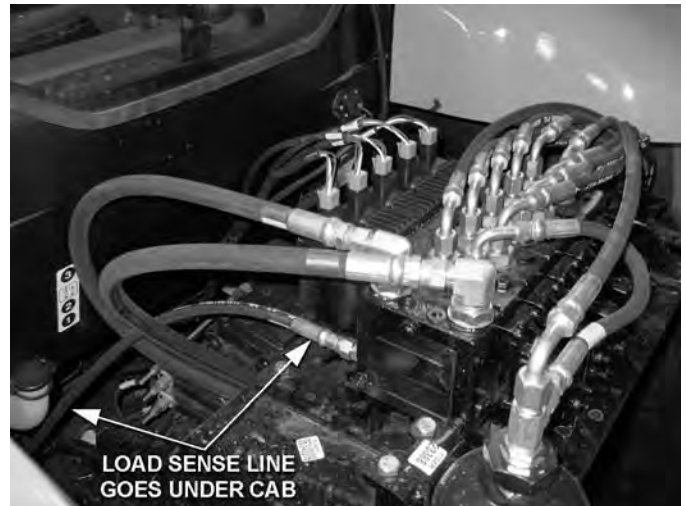
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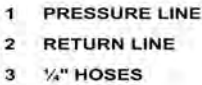
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5 GG9 A 6 @M

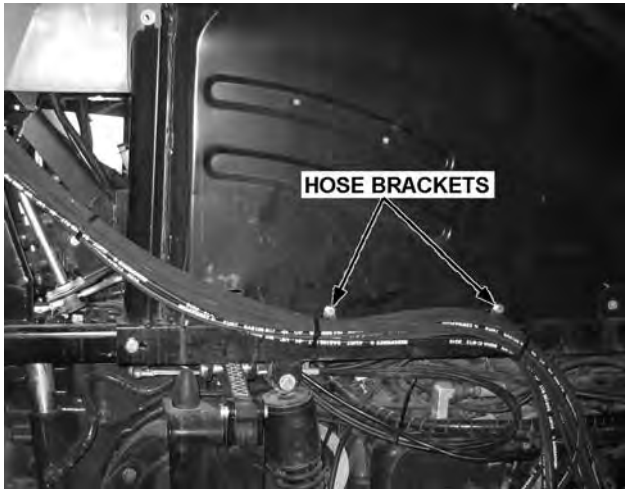
K5FB-B; 'BCH9.Á@Á~ aa^} Á|/æ^Á-@á|æ|BÁ|/..|/Á|~|á|æ~.Á@Á~ aa^} Á
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[|Á|/á|ÉÁ0UÁUVÁ0SSUY Á@.Á@Á|æ|BÁQ.Á.Á ÁÜÜ0ESÁ|ÁMÜUVÁ Á|á|Á Á
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T^æ~|/Á/Y 00ÉÁ@&Á/Y 00Á@} Á| |&^Á Á00Áæç} É



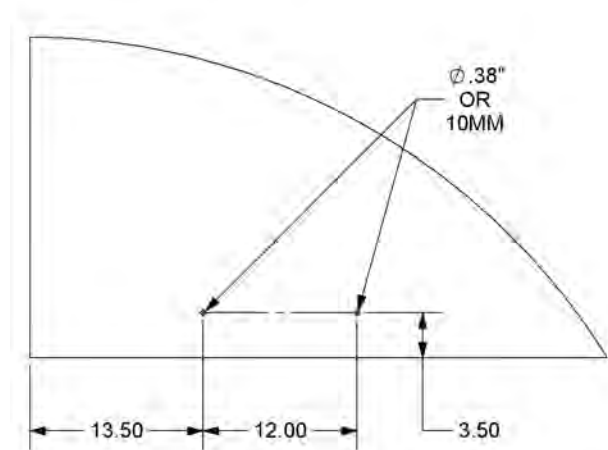
5 GG9 A 6 @M

@ H'J5 @9' < CG9'5 B8'7 5 6 @ FCI H-B;

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 ^æ&@æ] BÄV^Ä@Ä| , ^|Ä^æ&| } ^|Ä Ä@Ä @^|Ä ||Äæ Ä|Ää Ä|Ä ^æ~|ä * BÄV@ÄQ |Ä •
 • @~|äÄ^Ä F€ { Ä|Ä HÄ^Äæ ^äÄ Äæ&| } ÄHÄæä, æ^E
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 + { Ä@Ää•ÄQ |Äæ äÄHÄÄ| { Ä@Ä| q { Ää^ÄBÄV^Ä@Ä æ^•Ä^| , Ä|Ä^Ä^ } &^E
BCH9. 8C'BCH7I H=BHC'HI 69G#<CG9G#K F9G'K <9B'8F=@B; 'H<FCI ; <'A9H5 @
.....CF'D@GH7°



RIGHT REAR FENDER



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 CFÍ HEDä äÄFÄÖÖPDÄ YSUÖSÄW HÄ^E ÖÄCFÍ GÍ BÄV@ÄQ • ^•ÄæÄ| } Ääq ÄÄ@Äæ]
 æ^ÄÄ^Ä^&|^äÄ Ä@Ä@•Ä äQä Ää • BÄQ |Ä| c&q } ÄÄQ • ^•ÄÄ| } æ&Ä äQ ^æÄä^•E
 , |äÄQ • ^•Ä äQ |ÄQ • ^Ä^&q } • Ää äæ c } Ä äQÄQ • ^Äæ] • Ä|Ää Ää • ÄÄ^ÄäE

(ASM-NH-0067)



5 GG9 A 6 @M

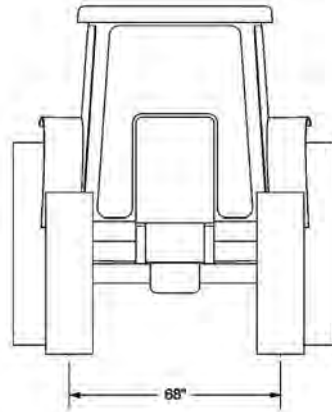
[illegible][illegible]

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I|~} á Á!Áæ||} ÄVá ÁÁ!^.. ^Á Q |á ÁÁ æ ä ^á á á |á * Á Á @ Á ä c } æ & Á
Ü&ä } E(ASM-C-0055)

5 GG9 A 6 @M

(K 8 `: FCBH`K <99 @5 8>I GHA9BH

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 || æ!^!•Ë@æ!ã ç &Á!Q!|á!Á!Á! } || çã æ!^Á!+ËQ!~à!Á!@&Á!@Á! @^!Á
 •] æã * Áæ!Á!b•ç ^} cã!Á!•&!æã * Á!á! } ã * Á!Á!Á!Á!|| Á!Á! c!^!^} &Ë

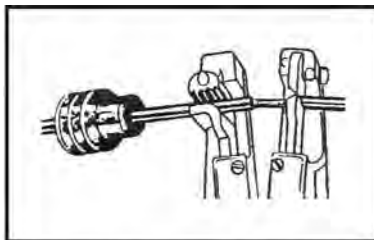


K 95H<9 F!D5 7 ? `#A9HF ðD5 7 ? `5 GG9 A 6 @M

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BCH9.1 gY`H YgdYWZ!Wcc`Zf`H Y`mdY`cZWbbYWcf`nci `UfY`UggYa V`b["

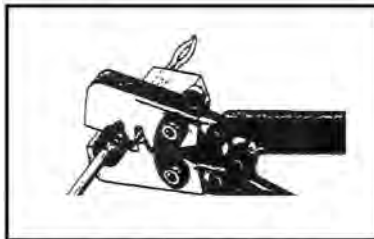
(ASM-C-0009)



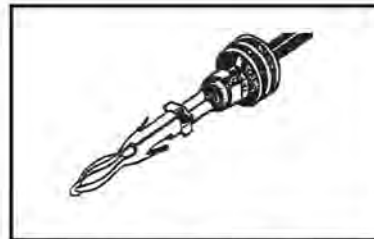
1. Apply seal to cable, before stripping insulation.



2. Align seal with cable insulation.



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



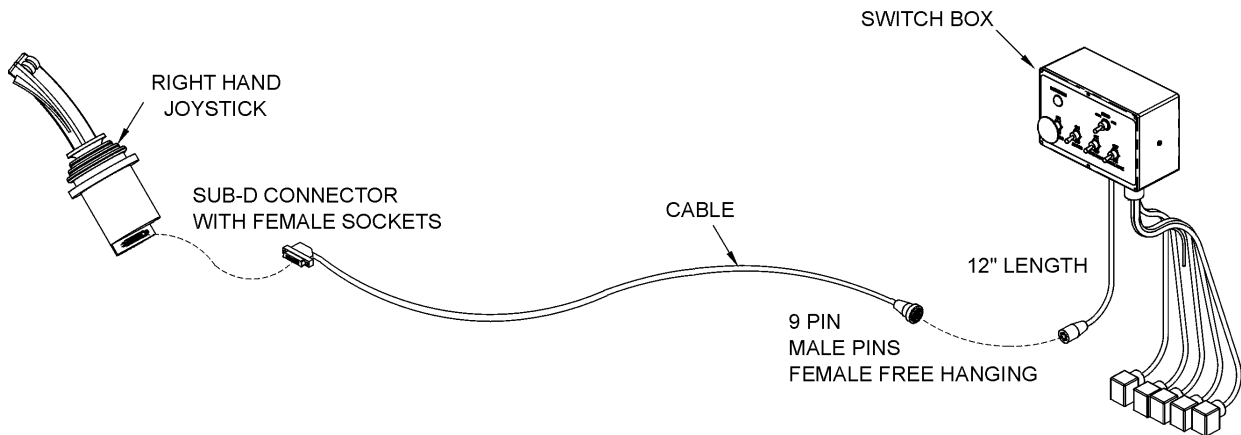
4. Crimp and visually inspect for a good crimp before installing in connector body.



5 GG9 A 6 @M

6 CCA`>CMGH7 ?`7 CBHFC @75 @6 F5HCB

Gl 6 !8



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CAUTION

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[illegible]

6 CCA`>CMGH7 ? `7 CBHF C @7 5 @6 F 5 HCB`ft CBHBI 98L

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GYhH Y'XYUX`VubX`Wta dYbgUjcb`dchYbHjca YHf`Zfgh'

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GYHjb[`Gj[bU`5 XUdHjcb`DchYbHjca YHfg.

Öä & } } ^& Á@ Ä` • & @ & } } ^& d! • Á [{ Á@ Áæ æ! • Á Á@ Áæ ÄÄV` ^ Áæ [| dU @ Á ^ c! Á { ^ æ`! ^ Á æ } æÁ [| æ ^ Áæ á Áæb • Á@ Á æ } æ Áæ æ æÁ } Á [c } d { ^ c! • Áæ Á ^ á á ÄÄUá Ä! Áæ dæd | Á`]] | Á [| æ ^ ÄÄUá ÄÄF/ Á æ } æÁ [| æ ^ Á [{ Á@ Á` • ÄÄ Äæ á Á á ÄÄ Á!] } á ÄÄÄ • d { ^ æ`! ^ Á`]] | Á [| æ ^ Á^c ^ } Á á • Á Áæ á ÄÄV@ } Á ^ æ`! ^ Á æ } æÁ [| æ ^ Á^c ^ } Á á • Á Áæ á HÄ @ Á á á cæ * Á@ Á` • ÄÄ Á` } & d } Á || Á Á c@ Á@ Áæ á Á@ Á [| Á á á & d } ÄÄÄ ÄÄ Á@ Á æ } æ c [| æ ^ Á Á@ Á`]] | Á [| æ ^ Á Á^c ^ } æÁ [| æ ^ Áæ Á Á Á`]] | Á [| æ ^ ÄÄV@ Á! & } æ ^ • @` | á Á [Á Á` • Á@ ÄÄ Ä Á Á! Á! ^ æ! Á@ ÄÄ Ä Á Á Á! Á@ Á æ Á [{ ÄU & } á æ` Á [{ Ä! Á, æ! ~ } & d } ÄÄV@ Á! & } æ ^ Á @` | á Á [Á Á` • Á@ ÄÄ Ä Á Á! Á! ^ æ! Á@ ÄÄ Ä Á GÄ Á! Á@ ÄÄ Ä Á || ~ } & d } ÄÄV@ c Á@ • Á Áæ æ Á ^ æ * • Á! Á@ ÄÄ & Á [|| Á` } & d } Á @` | á Á! ^ c^ } Á@ Á`]] | Á [{ • @æ * Á d Á | æÄ After making this first adjustment to deck roll if the spool still goes into float, adjust the "B" port screw additionally counterclockwise.

Ü` & } } ^& Á` • & @ & } } ^& d! • Á } Á [d [| Áæ Á` Á Áæ æ! • Á } Á! Á d [} æ Áæ ÄÄÜ` } Áæ d! ~ } d Á@ á! æ | Á` • c { Á Áæ Á] ^!æ * Á c {] ^!æ! ^ ÄÄV, Á ^ á Á@ Áæb • d ^ } c Á Á@ Á æ } æ Áæ æÁ } Á [c } d { ^ c! • Á! Á [c@ Áæ á Á@ Á [| Á! Á! Á!]] | d } æÁ } & d } • Á Áæ @ c Á@ + || , á * Á` } & d } Á Á` • ÄÄV@ c Á` } á * Á [c } d { ^ c! & [& , æ Á & ^ æ ^ Á@ Á [, Á! Á@ Á` } & d } •] ^ á ÄÄ á Á! } á * Á@ { Á [} c! & [& , æ Á & ^ æ ^ Á@ Á [, Á! Á@ Á` } & d } Á ^ á ÄÄV@ c ÄÄ á! á * Á@ Á! & á! ^ Á@ Á á Á [c } d { ^ c! Á Á^c Á || Á [} c! & [& , æ Á Á@ Á` } & d } Á Á d [Áæ ÄÄ • Á@ Á ^ & @ æ Á d] • Á@ Á æ` æ Áæ æ! Á } á Á Á@ Áæ ^ Á & d } Á Á! c@! Á á æ H, ÄÄV! } Á á á & ^ , Á Á! Á [& , æ Á Á á á , ÄÄV@ Á] ^! Á á á & ^ , Á á á Á , Á ÁÄ [| ÄÄV á c@ Á , ^! Á á á & ^ , Á á á Á , Á ÁÄ [| ÄÄV , ^ c! ÁÜ Á UV Áæb • Á@ Á á á & ^ , Á } ÁÄ [| c! á á & Á [|| Á` } & d } ÄÄV á * ÁÄ [| c! á á! ^ c^ } Á [æÁ` } & d } È



5 GG9 A 6 @M

6CCA`>CMGH7?`7CBHFC@75@6F5HCB`ftCBHBI98L

A5-B'6CCA. %&Á[|ãÖ[{ Á] ~~~~~ Æ€Â^& } å•

(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.)

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(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.)

G97 C B8 5 FM

6CCA KÁ %EÁÚ[! ÑÓ[[{ ÁÚ dK ì Æ€Á^& } 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.)

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(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.)

897?`FC@@ %eÁ[!dÖ^&Á~ dK ïËÀ^& } 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.)

%&+ÁÚ|:dËÖ^& ÁQKAAAAAAAAAAAAAAAAAAAA/Væ*^œĀĒĀÙ^&[}å•ÁǻŒÖUÁPUVÁ•^ŠšããĀÙ&|^,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.)

6 CCA

GK =J9 @ %&AÚ[!dZÓ[[{ ÁEdXXXXXXXXXXXXXFI ĚÎ À^& } â•Á !ÁHÚÈĚHUÙĚUÙ

(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.)

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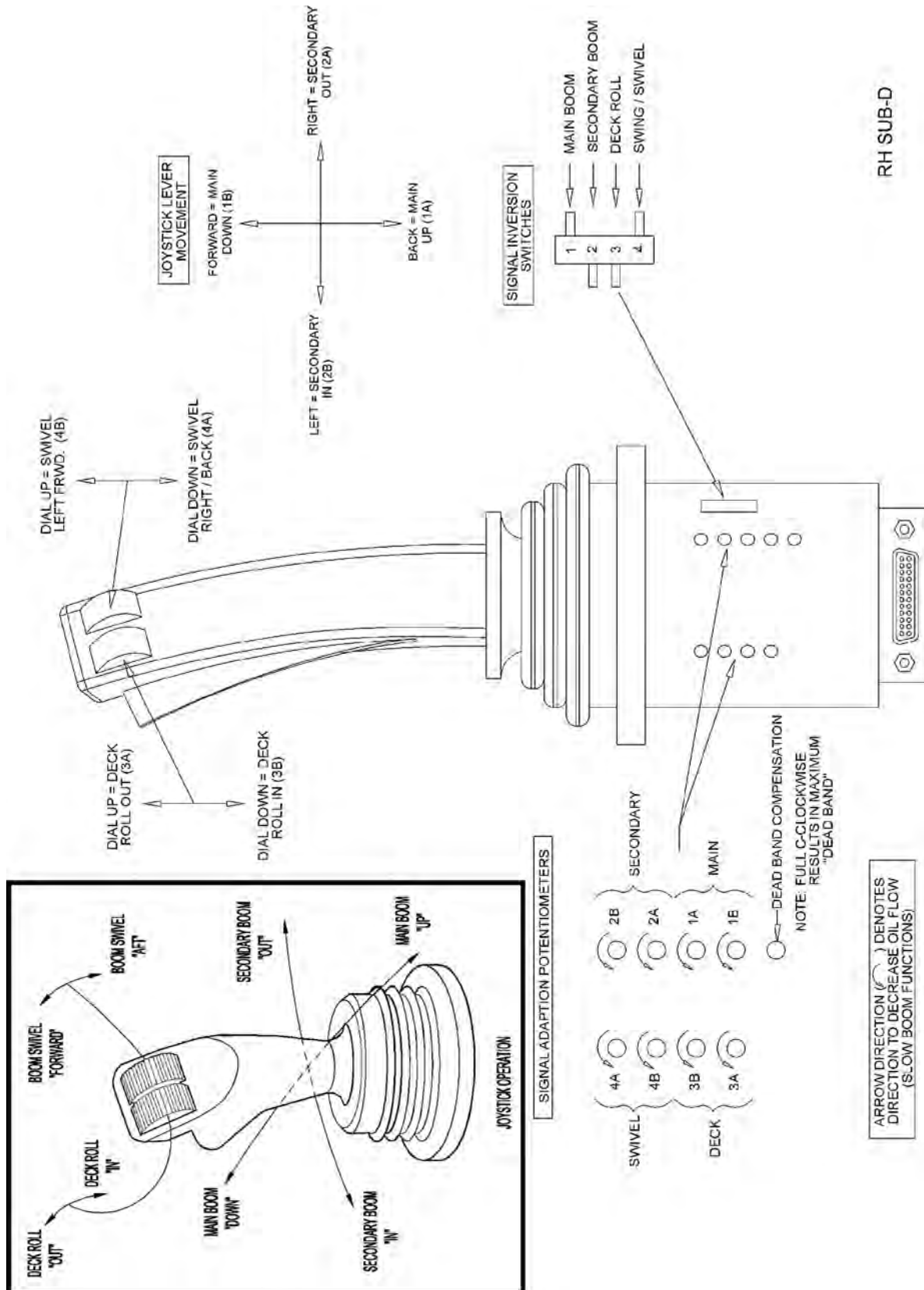
(Extend booms completely, rotate head to be level with ground, lower main boom until deck is just above ground, and swivel boom aft until near tire. Then index the boom swivel “forward” function and determine the time required for the boom to swivel full forward.)

(ASM-C-0082)



ASSEMBLY

BOOM JOYSTICK DIAGRAM (ASM-C-0082A)



5 GG9 A 6 @M



CD9 F 5 H=CB' G9 7 H=CB

UJ ^!æq } Å^&q } ÅF

Í 4235'Cmo q'I tqwr 'Kpe0

Í 4235'Cno q'I tqwr 'Kpe0

CD9 F5 HCB

[illegible]

&" 'HfUWcf' @[\ h[b['UbX'GAJ'9a V'Ya

[illegible]

OPS-B- 0017ÁÁ



Op-86

CD9F5HCB

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CD9F5HCB

Í 4235'Cmo q'I tqwr "Kpe0

('GH5 FH=B; 'H<9 'HF57 HCF

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CD9F5HCB



Tractor PTO Shield

PTO Integral Shield

Shield

Deflector

Chain guard

Op-13

Í 4235"Cno q'I tqwr "Kpe0

CD9F5HCB

CD9F5HCB

* "8'6 cca 'l b]hDfY!CdYfU]cb' bgdYW]cb'UbX'GYfj jWY

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Op-14

ÖÜÖF ÖÁÜÜÖT ÖÖY

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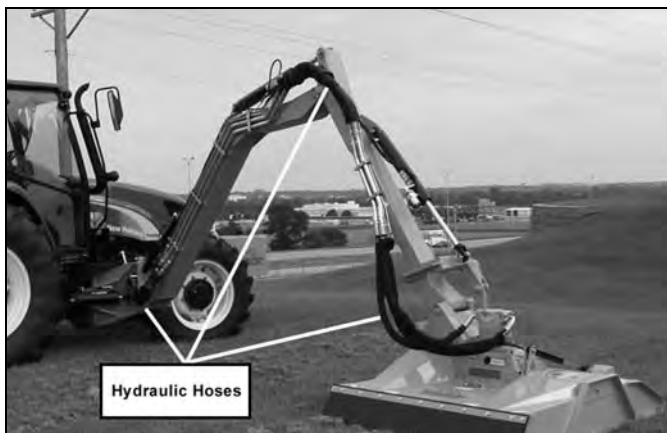
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WARNING

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Tractor PRE-OPERATION Inspection



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 \ Ug' glcddYX' UbX' H Y fUWcf']g']b' dUf_ 'k]H 'H Y dUf_]b['VfU_Y Yb[U[YX" A U_Y gi fY
 H Y' a ck Yf']g' fYgh]b[' cb' H Y' [fci bX' cf' gYW fY mi V cW_YX' i d' U bX' U'' \ mXfU']W
 dfYggi fY\ Ug' VYyb' fY]Yj YX"

Kgo	Eqpf kkp'cv'Uctv' qh'Uj klv	Ur gekhe'Ego o gpw' kh'pqv'QMD
Vj g'hcu] kpi 'hi j w'hpevqp'r tqr gtn[
Vj g'UO X'Uki p'ku'engcp'cpf'xkukdrg		
Vj g'ktgu'ctg'lp'i qaf'eqpf kkp'y kj 'r tqr gt'r tguwmg		
Vj g'y j ggn'hi 'dqu'ctg'ki j v		
Vj g'tcevqt'dtcngu'ctg'lp'i qaf'eqpf kkp		
Vj g'uvgtkpi 'hpnai g'ku'lp'i qaf'eqpf kkp		
Vj gtg'ctg'pq'xkukdrg'qkdhgcmu		
Vj g'j { ftcwke'eqpvqnu'hpevqp'r tqr gtn[
Vj g'TQRU'qt'TQDU'Ed'ku'lp'i qaf'eqpf kkp		
Vj g'ugcvdgn'ku'lp'r reg'cpf'lp'i qaf'eqpf kkp		
Vj g'5/r qkp'j ke] 'ku'lp'i qaf'eqpf kkp		
Vj g'f tcy dct'r kpu'ctg'ugewgn'lp'r reg		
Vj g'RVQ'o cngt'uj kgrf'ku'lp'r reg		
Vj g'gpi kpg'qkdhxgn'ku'hwm		
Vj g'dtcng'hmkf'rgxgn'ku'hwm		
Vj g'r qy gt'uvgtkpi 'hmkf'rgxgn'ku'hwm		
Vj g'hgn'rgxgn'ku'cf gs wcvg		
Vj g'gpi kpg'eqqrcpv'hmkf'rgxgn'ku'hwm		
Vj g'tcf kcvqt'ku'htgg'qh'f gdtku		
Vj g'ckt'hngt'ku'lp'i qaf'eqpf kkp		

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DO NOT OPERATE an UNSAFE TRACTOR or MOWER

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Boom PRE-OPERATION Inspection



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a ck Yf' jg'fYgh]b[' cb' H Y[fci bX'cf' gYW fY miV'cW_YX' i d'UbX'U' \ mXfU']WdfYggi fY' \ Ug
VYYb'fY jYj YX"

Table 1:

Kgo	Eqpf kkp'cv'Uctv' qh'Uj khv	Ur gekle'Ego o gpw" kh'pqv'QOMD
Vj g'Qr gtcvtat'O cpwcnk'lp'j g'tcevt		
Cm'uchgv' 'f gecm'ctg'lp'r meg'cpf 'ngi kdr		
Vj g'o qwpvpi 'htco g'dqnu'ctg'lp'r meg'cpf 'ki j v		
Vj g'dqgo 'eqppgevpq'dqnu' ('r kpu'ctg'ki j v		
Vj gtg'ctg'pq'etcemu'lp'dqgo		
Vj g'j { ftcwle'e { rpf gtu'r kpu'ctg'ki j v		
Vj g'j { ftcwle'r wo r 'j qug'eqppgevpqu'ctg'ki j v		
Vj g'j { ftcwle'xcxg'eqpvqn'hpvekp'r tqr gtn		
Vj gtg'ctg'pq'rgcnpi "qt'f co ci gf 'j qugu		
Vj g'j { ftcwle'qklrpxgnk'lwmm		
Vj gtg'ku'pq'gxkf gpeg'qh'j { ftcwle'rgcmu		
Vj g'drcf gu'ctg'pqv'ej k r gf . 'etcempf "qt'dgpv		
Vj g'drcf g'dqnu'ctg'ki j v		
Vj g'f ghgevtu'ctg'lp'r meg'cpf 'lp'i qaf "eqpf kkp		
Vj g'dqgo 'uj kgrf u'ctg'lp'r meg'cpf 'lp'i qaf "eqpf kkp		
Vj g'unkf "uj qgu'ctg'lp'i qaf "eqpf kkp'cpf 'ki j v		
Vj gtg'ctg'pq'etcemu'qt'j qgu'lp'dqgo "f gem		
Vj g'j { ftcwle'o qvt'o qwpvpi "dqnu'ctg'ki j v		
Vj g'dqgo "j gcf "ur kpf rg'j qwukpi "ku'ki j v'cpf "wdtlecvgf		

Qr gtcvtat'Uki pcwtg<

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

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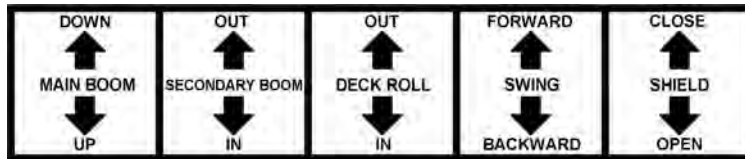
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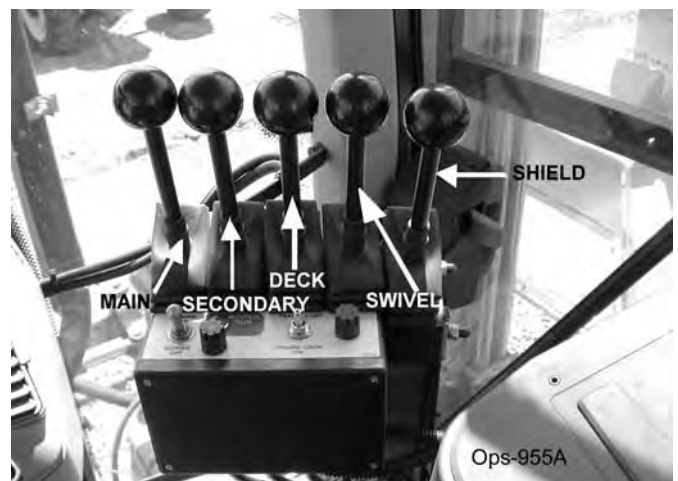
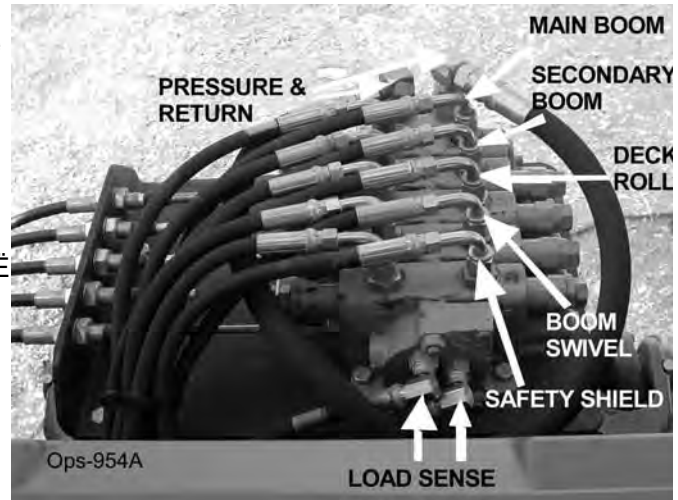
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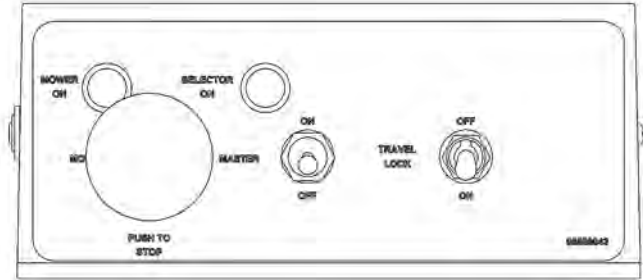
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DANGER

SAFETY SHIELD & DEFLECTOR OPERATION

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

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

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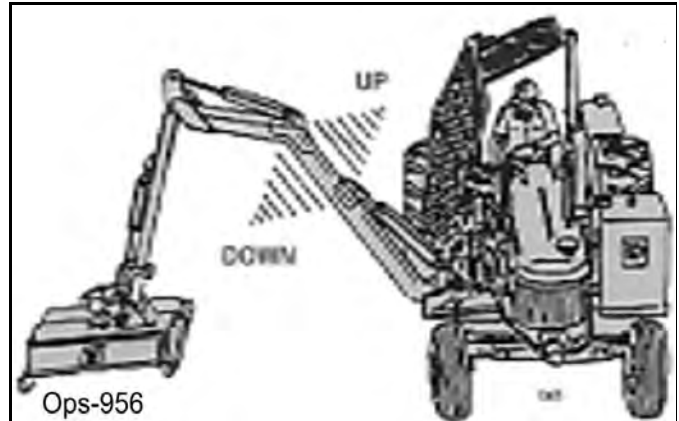
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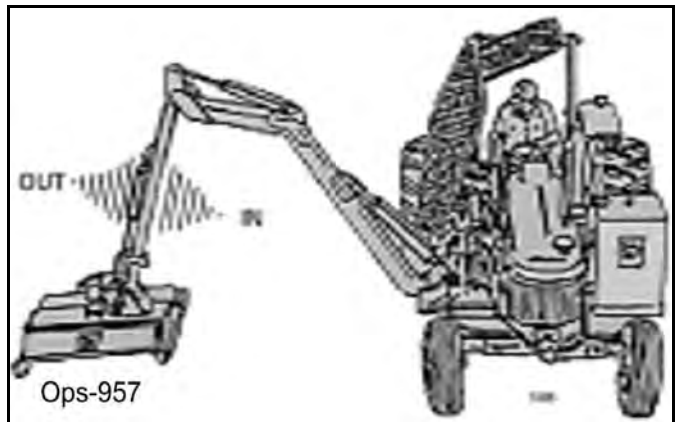
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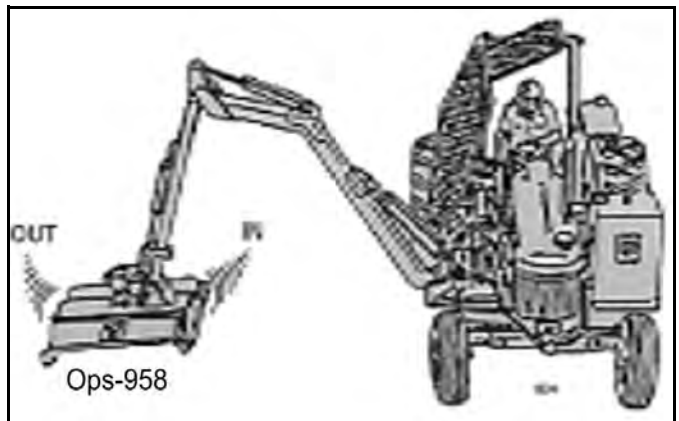
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Ops-957

ŠÒXÒÜÄHÄÖÖSÄUŠŠ



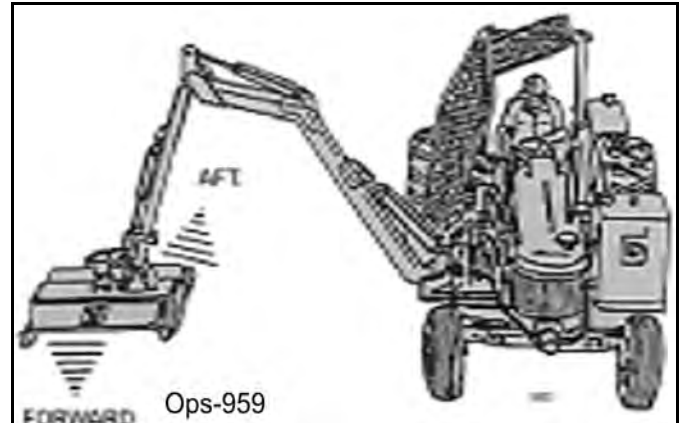
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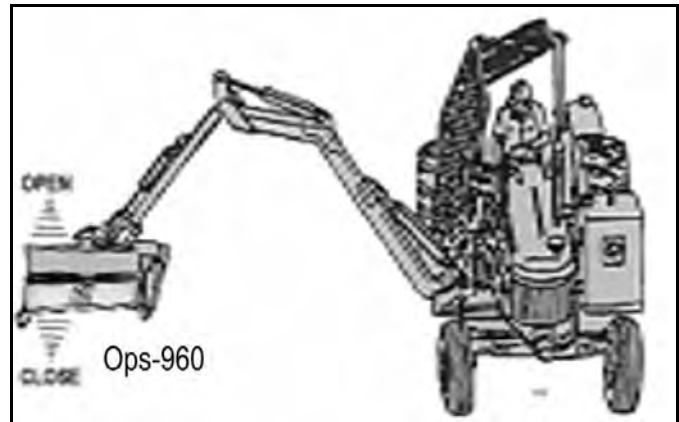
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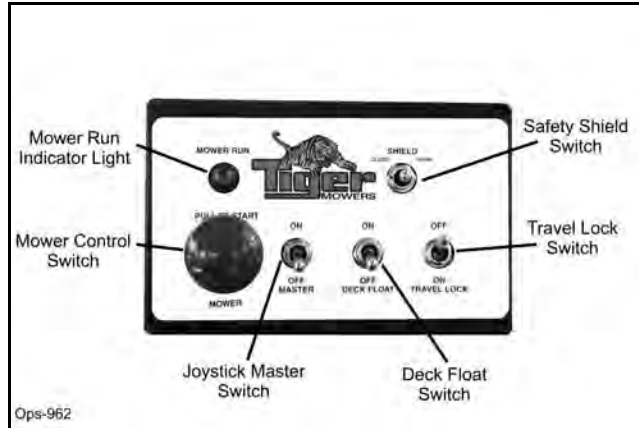
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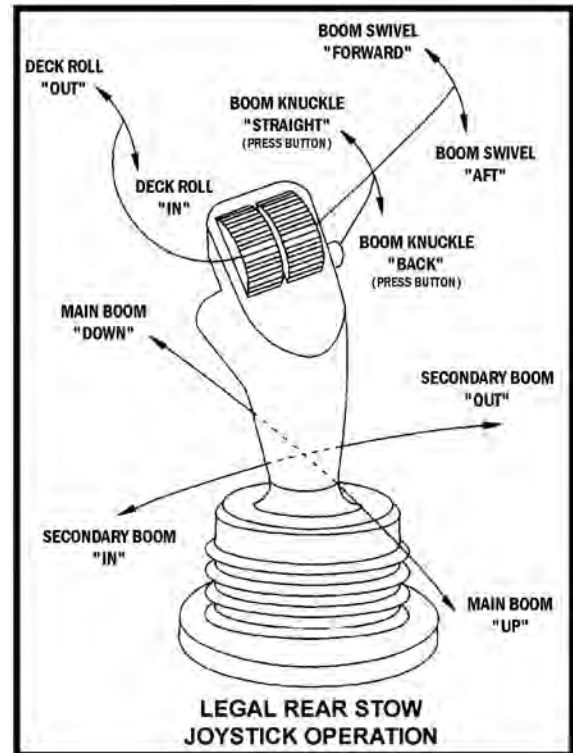
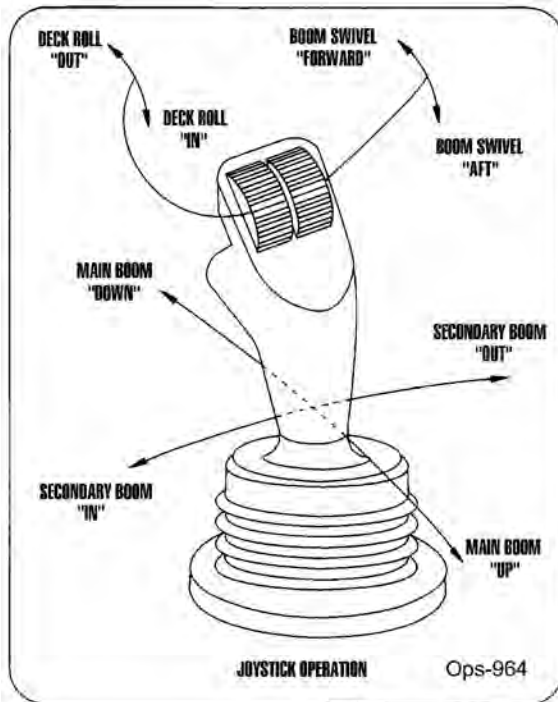
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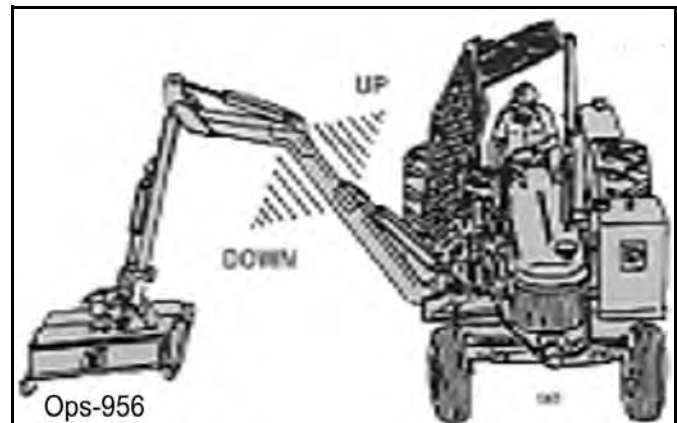
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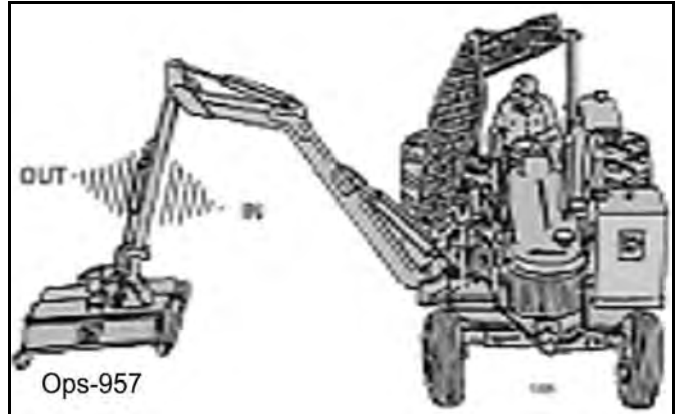
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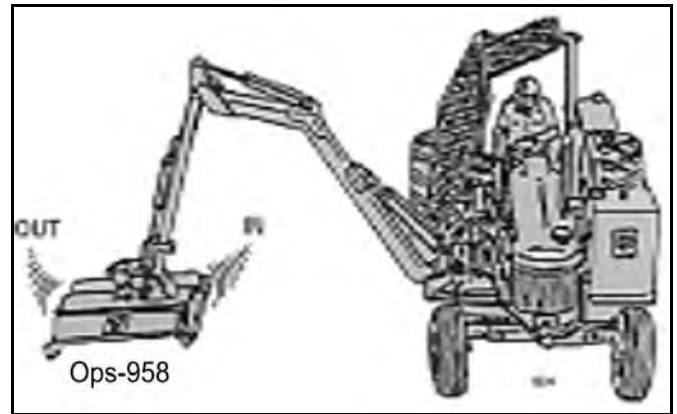
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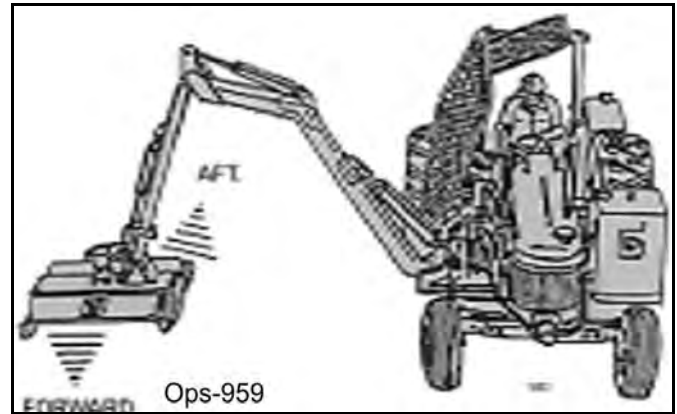
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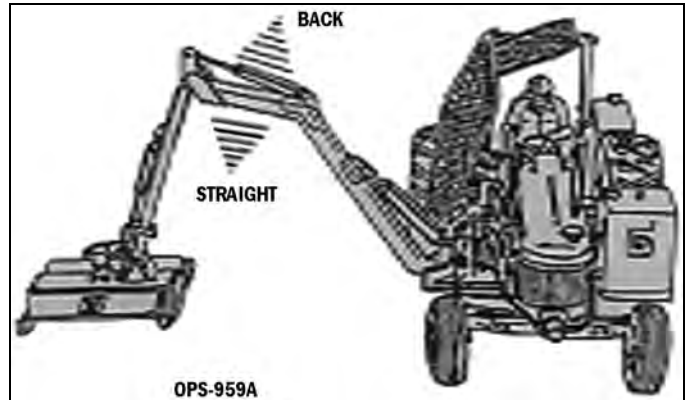
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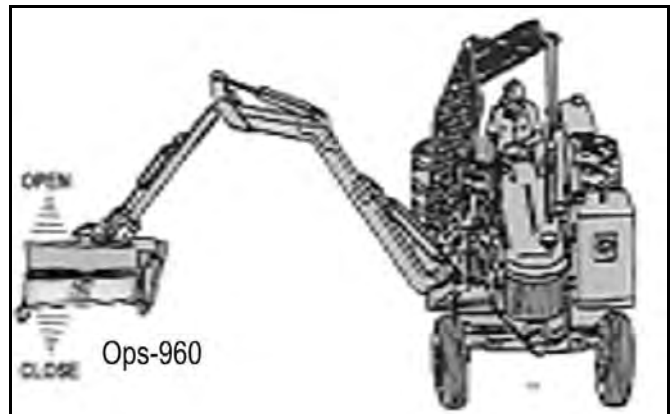
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ÜÖPVARJYÜVÖSÄÜÜŠŠÖ ÜÄY PŠÖÄÜÜÖ ÜÜÖÖ
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⚠ DANGER

ပင်လယ်အော်မြစ်အတွင်းရှိ အန္တရာယ်များကို ရှောင်ကြဉ်ရန် အထူးသတိပြုရမည့် အချက်များကို အောက်ဖော်ပြပါအတိုင်း ဖော်ပြထားပါသည်။ အန္တရာယ်များကို ရှောင်ကြဉ်ရန် အထူးသတိပြုရမည့် အချက်များကို အောက်ဖော်ပြပါအတိုင်း ဖော်ပြထားပါသည်။

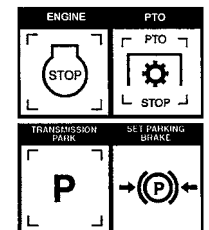


⚠ WARNING

ဤဆေးရောင်များကို အသုံးပြုရာတွင် အန္တရာယ်များရှိပါသည်။ အန္တရာယ်များကို ရှောင်ကြဉ်ရန် အထူးသတိပြုရမည့် အချက်များကို အောက်ဖော်ပြပါအတိုင်း ဖော်ပြထားပါသည်။

⚠ DANGER

ဤဆေးရောင်များကို အသုံးပြုရာတွင် အန္တရာယ်များရှိပါသည်။ အန္တရာယ်များကို ရှောင်ကြဉ်ရန် အထူးသတိပြုရမည့် အချက်များကို အောက်ဖော်ပြပါအတိုင်း ဖော်ပြထားပါသည်။

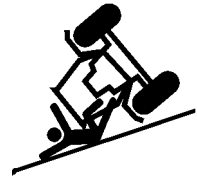


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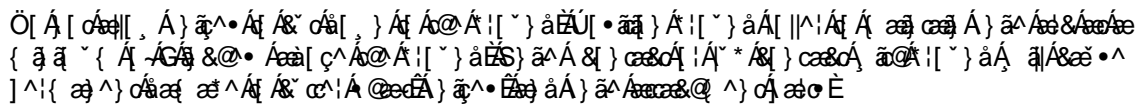
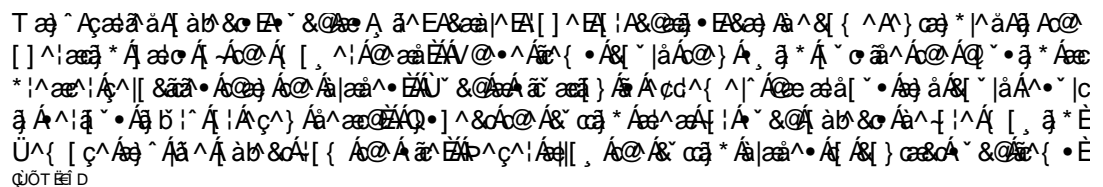
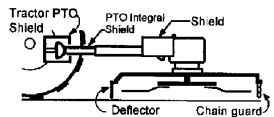
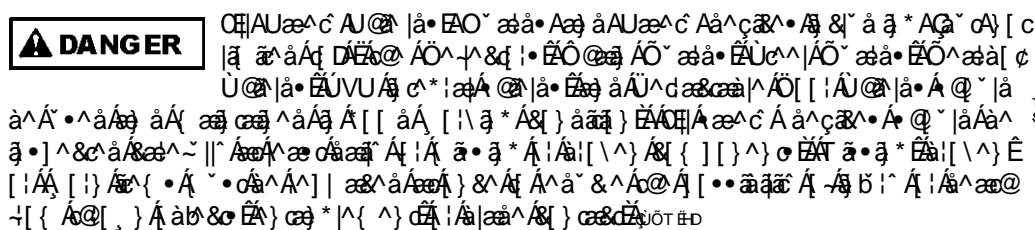
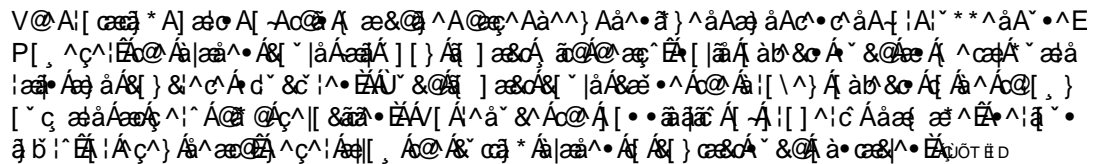


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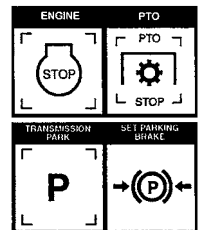


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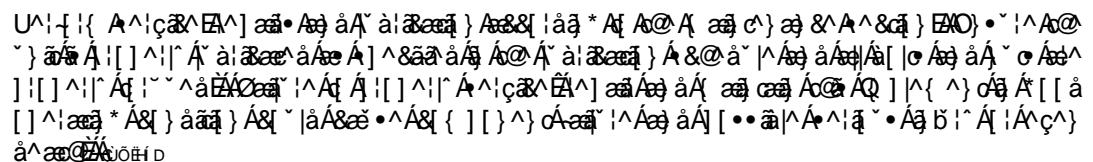
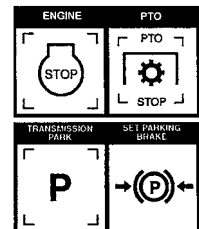
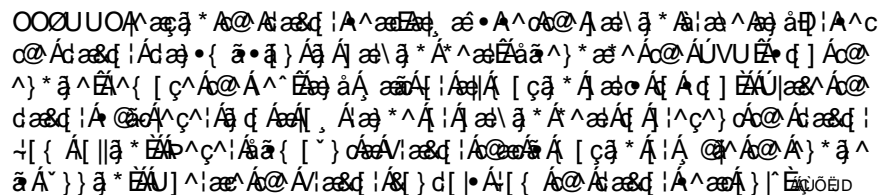
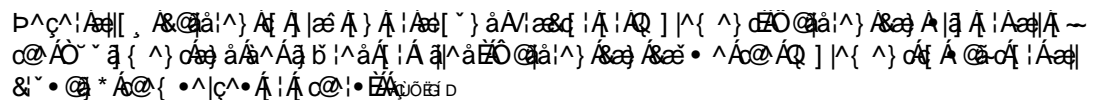


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A black and white photograph of a Case IH 9200 tractor. The tractor is shown from a front-three-quarter view, with its front loader bucket raised and tilted. It has large, deep-tread tires and a prominent front grille. The background shows a building and some trees under a clear sky.



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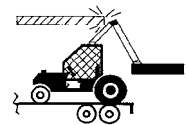
OPS-U-0024



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OPS-U-0024



OPS-U-0025



Op-47

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MAINTENANCE SECTION

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MAINTENANCE

MAINTENANCE

Regular Maintenance

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WEEKLY OR EVERY 40 HOURS

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WEEKLY OR EVERY 50 HOURS

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MONTHLY OR EVERY 150 HOURS

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## YEARLY OR EVERY 500 HOURS

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SERVICE

COMMENTS

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MAINTENANCE

ÙŸT ÚVUT Ù

Vibration

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Mower will not start or run

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ÜÖT ÖÖY

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Torque for Standard Fasteners														
Nominal Dia. (in.)	threads per inch	 Grade 2			 Grade 5			 Grade 8			 Grade 9			
		Tightening Torque			Tightening Torque			Tightening Torque			Tightening Torque			
		Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	Lubed K = 0.15	Dry Plated K = 0.17	Dry plain K = 0.20	
Unified Coarse Thread Series														
1/4	20	49 in-lbs	59 in-lbs	66 in-lbs	76 in-lbs	86 in-lbs	101 in-lbs	107 in-lbs	122 in-lbs	143 in-lbs	126 in-lbs	143 in-lbs	168 in-lbs	
5/16	18	101	122	135	157	178	209	221	251	295	259	294	346	
3/8	16	15 ft-lbs	18 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	31 ft-lbs	33 ft-lbs	37 ft-lbs	44 ft-lbs	38 ft-lbs	43 ft-lbs	51 ft-lbs	
7/16	14	24	29	32	37	42	49	52	59	70	61	70	82	
1/2	13	37	44	49	57	64	75	80	90	106	94	106	125	
9/16	12	53	63	70	82	92	109	115	130	154	135	153	180	
5/8	11	73	87	97	113	128	150	159	180	212	186	211	248	
3/4	10	129	155	172	200	227	267	282	320	376	331	375	441	
7/8	9	125	150	167	322	365	429	455	515	606	533	604	710	
1	8	187	225	250	483	547	644	681	772	909	799	905	1065	
1 1/8	7	266	319	354	596	675	794	866	1095	1288	1132	1283	1510	
1 1/4	7	375	450	500	840	952	1121	1363	1545	1817	1597	1810	2130	
1 1/2	6	652	783	869	1462	1657	1950	2371	2688	3162	2779	3150	3706	
Fine Thread Series														
1/4	28	56 in-lbs	68 in-lbs	75 in-lbs	87 in-lbs	99 in-lbs	116 in-lbs	123 in-lbs	139 in-lbs	164 in-lbs	144 in-lbs	163 in-lbs	192 in-lbs	
5/16	24	112	135	150	174	197	231	245	278	327	287	325	383	
3/8	24	17 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	30 ft-lbs	35 ft-lbs	37 ft-lbs	42 ft-lbs	49 ft-lbs	43 ft-lbs	49 ft-lbs	58 ft-lbs	
7/16	20	27	32	36	41	47	55	58	66	78	68	78	91	
1/2	20	41	49	55	64	72	85	90	102	120	105	120	141	
9/16	18	59	71	78	91	103	121	128	146	171	151	171	201	
5/8	18	82	99	110	127	144	170	180	204	240	211	239	281	
3/4	16	144	173	192	223	253	297	315	357	420	369	418	492	
7/8	14	138	165	184	355	403	474	502	568	669	588	666	784	
1	14	210	252	280	542	614	722	765	867	1020	896	1016	1195	
1 1/8	12	298	357	397	668	757	890	1083	1227	1444	1269	1439	1693	
1 1/4	12	415	498	553	930	1055	1241	1509	1710	2012	1768	2004	2358	
1 1/2	12	734	880	978	1645	1865	2194	2668	3024	3557	3127	3544	4169	
Torque values for 1/4 and 5/16 in series are in inch-pounds. All other torque values are in foot-pounds.														
Torque values calculated from formula $T = KDF$, where														
K = 0.15 for "lubricated" conditions														
K = 0.17 for zinc plated and dry conditions														
K = 0.20 for plain and dry conditions														
D = Nominal Diameter														
F = Clamp Load														

Torque-Tension Relationship for Metric Fasteners													
Nominal Dia. (mm)	Pitch (mm)	Class 4.6			Class 8.8			Class 10.9			Class 12.9		
		Tightening Torque			Tightening Torque			Tightening Torque			Tightening Torque		
		Lubed K = 0.15 (ft-lbs)	Dry Plated K = 0.17 (ft-lbs)	Dry plain K = 0.20 (ft-lbs)	Lubed K = 0.15 (ft-lbs)	Dry Plated K = 0.17 (ft-lbs)	Dry plain K = 0.20 (ft-lbs)	Lubed K = 0.15 (ft-lbs)	Dry Plated K = 0.17 (ft-lbs)	Dry plain K = 0.20 (ft-lbs)	Lubed K = 0.15 (ft-lbs)	Dry Plated K = 0.17 (ft-lbs)	Dry plain K = 0.20 (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	1.4	1.8
3.5	0.6	0.44	0.50	0.59	1.1	1.3	1.5	1.6	1.9	2.2	1.9	2.2	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	3.2	3.8
5	0.8	1.3	1.5	1.8	3.4	3.9	4.5	4.9	5.5	6.5	5.7	6.5	7.6
6	1	2.3	2.6	3.0	5.8	6.6	7.7	8.3	9.4	11	9.7	11	13
6	1.25	2.1	2.3	2.7	5.3	6.0	7.0	7.6	8.6	10	8.8	10	12
7	1	3.8	4.3	5.0	9.7	11	13	14	16	19	16	19	22
8	1	5.9	6.6	7.8	15	17	20	22	24	29	25	29	34
8	1.25	5.5	6.2	7.3	14	16	19	20	23	27	24	27	31
10	1.25	11	13	15	29	33	39	42	48	56	49	56	66
10	1.5	11	12	14	28	32	37	40	45	53	47	53	62
12	1.25	21	23	28	53	60	71	76	86	101	89	101	119
12	1.5	20	22	26	51	58	68	73	82	97	85	97	113
12	1.75	19	21	25	49	55	65	70	79	93	81	93	108
14	1.25	26	29	34	66	75	89	95	108	127	111	127	148
14	1.5	28	32	37	72	82	96	103	117	138	121	138	161
14	2	30	34	40	78	88	104	111	126	148	130	148	173
16	1.5	50	57	67	129	146	171	184	208	245	215	245	287
16	2	47	53	62	121	137	161	173	196	230	202	230	269
18	1.5	73	82	97	187	212	249	268	303	357	313	357	417
18	2.5	65	73	86	167	189	222	239	270	318	279	318	372
20	1.5	101	115	135	270	306	360	374	424	498	437	498	583
20	2.5	91	104	122	238	267	314	337	382	449	394	449	525

Clamp load calculated as 75% of the proof load for specified bolts. K = 0.15 for "lubricated" conditions
All torque values are listed in foot-pounds
Torque values calculated from formula $T = KDF$, where

K = 0.17 for zinc plated, dry conditions
K = 0.20 for plain and dry conditions

D = Nominal Diameter
F = Clamp Load

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MAINTENANCE

LUBRICATION RECOMMENDATIONS

MAINTENANCE

Description	Application	General Specification	Recommended Mobil Lubricant
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$$R \wedge QED$$

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$P \wedge \neg \exists x (A(x) \wedge B(x))$

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 ,|Á |ç^)^ ^çæ^Áá^|^Á æ^|^äÊ] |^@æQçÁ|^|^Dq Á |ç^} Á@Á@•ã^Áq áÁ | | [ç^Á{ [çæE

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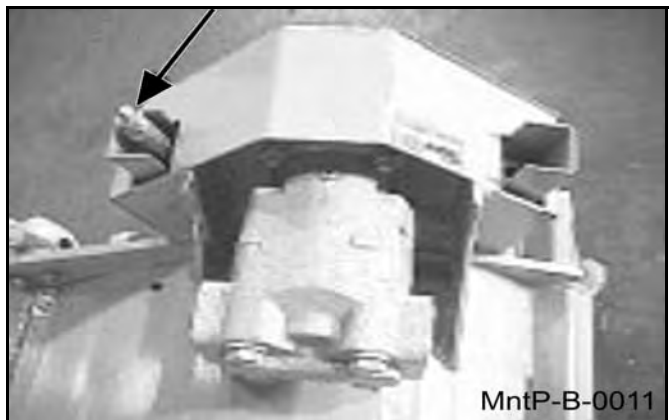
GREASING GROUND ROLLER SHAFT-- FLAIL

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•æ áááÁ^|æ^Á^} Ááá Á |Áæ8 hour intervals.
CAUTION: Over greasing may cause premature
seal failure



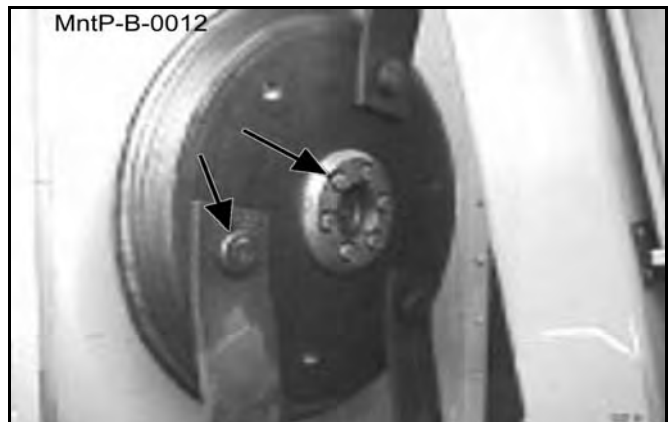
ADJUSTING/CHECKING BELT TENSION

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æ Á ^á^áÉç UVÖÁŠ[&æá } Á Áááá • ç ^} ç }
{ æ Áæ Á } Áááæ æ |Á@æ • É Be sure to replace
the belt cover BEFORE operating mower!



TIGHTENING KNIFE BOLTS AND DISK BOLTS:

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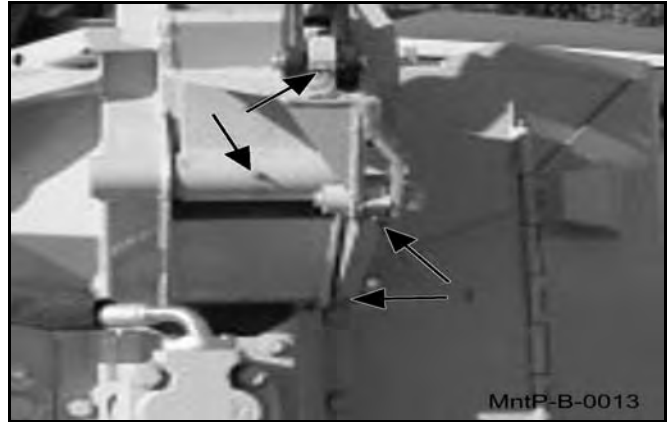


MAINTENANCE

MAINTENANCE

GREASING POINTS ON BOOM AND PIVOT

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 à[[{ Á[á É] } áÁæ, á^Á} áÁ[Á æ Á[[{ ÉQb&c
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DECK STOP ADJUSTMENT

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 æ áÁá @} Á[& Á~ dÁ^! **NOTE: Bolt should not hit boom before cylinder reaches full travel.**



GREASING SPINDLE

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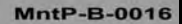
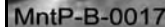


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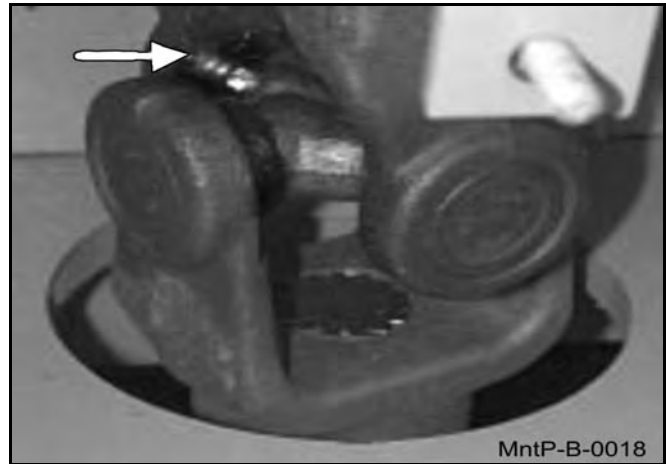
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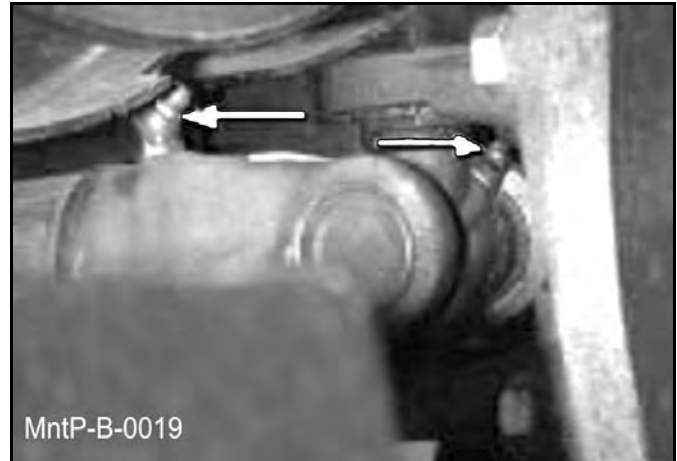
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DRIVESHAFT YOE, U-JOINT STUB SHAFT

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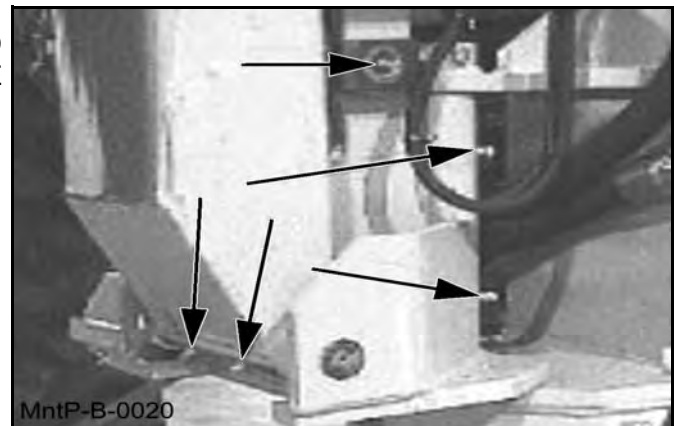
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MntP-B-0019

GREASING THE BOOM SWIVEL

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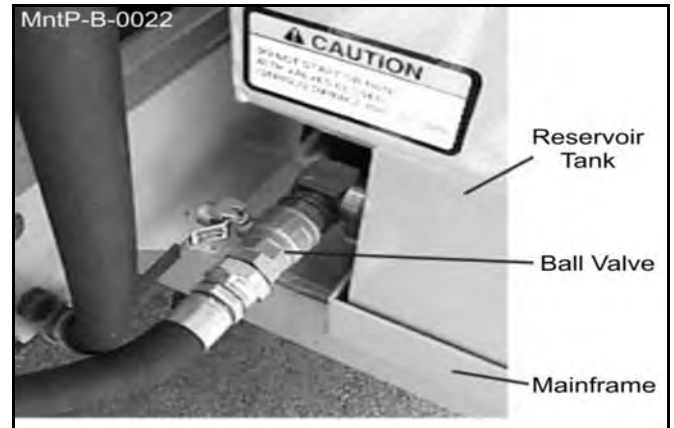
GREASING BOOM CYLINDER(S) PIVOT POINTS

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BALL VALVES

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THE BALL VALVES MUST BE OPEN
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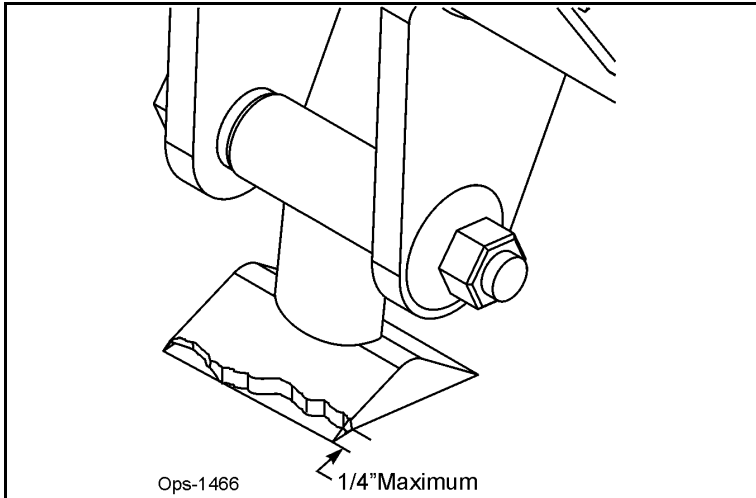
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Flail Axe Blades Inspection



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Flail Axe Blade Bolt Inspection

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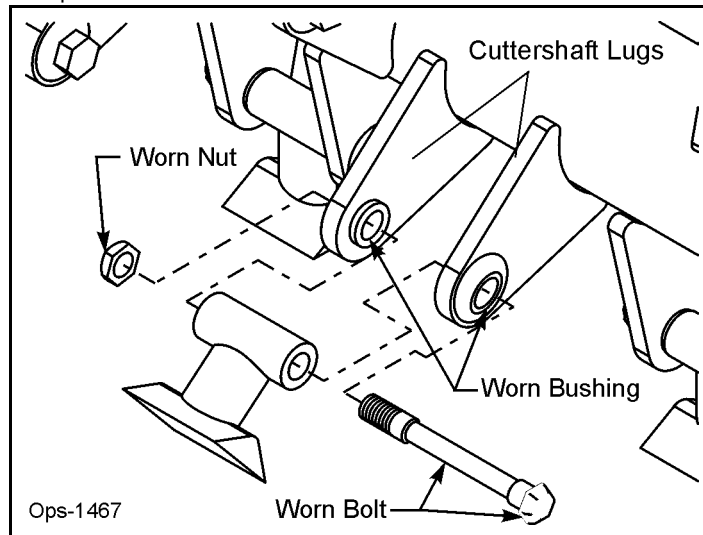


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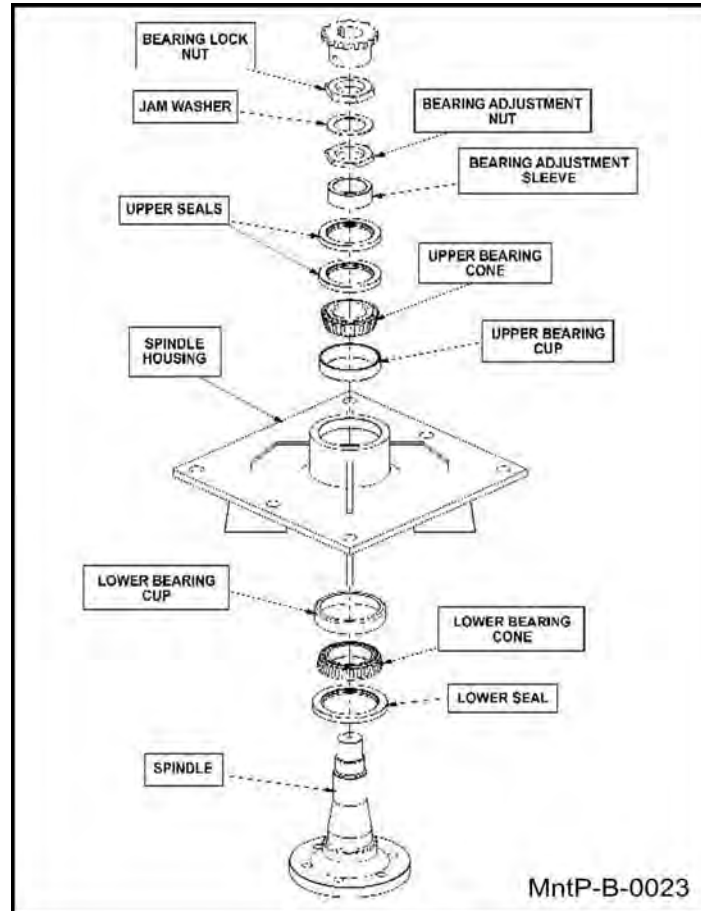
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THE SPINDLE ASSEMBLY

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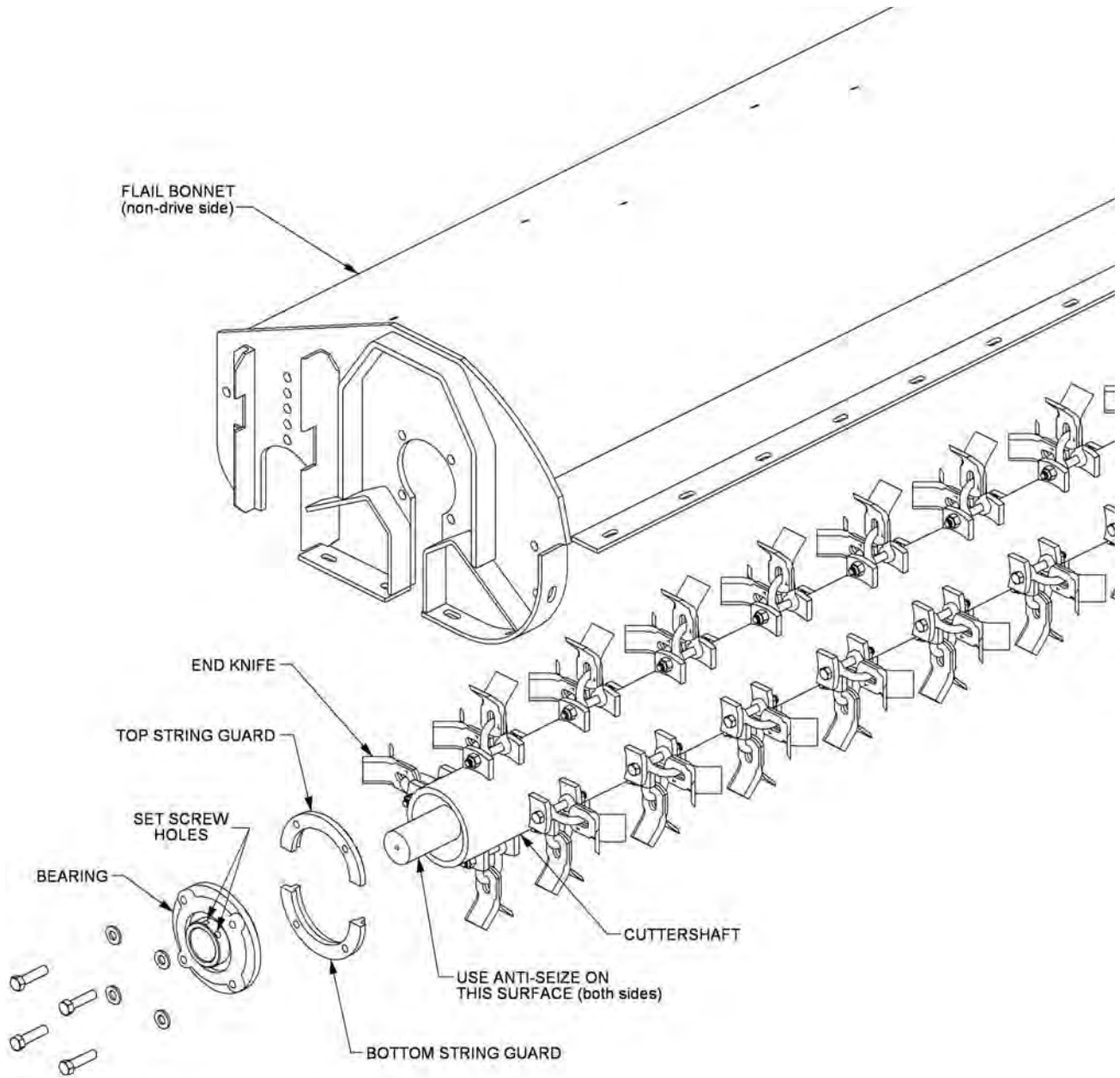
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PARTS SECTION

PART NAME INDEX

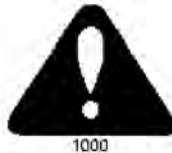
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DQO 'O QWP V'MK	34
DQO TGU'5/RQ& V'UVQY	36
P QVGL	37
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PARTS ORDERING GUIDE

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

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

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

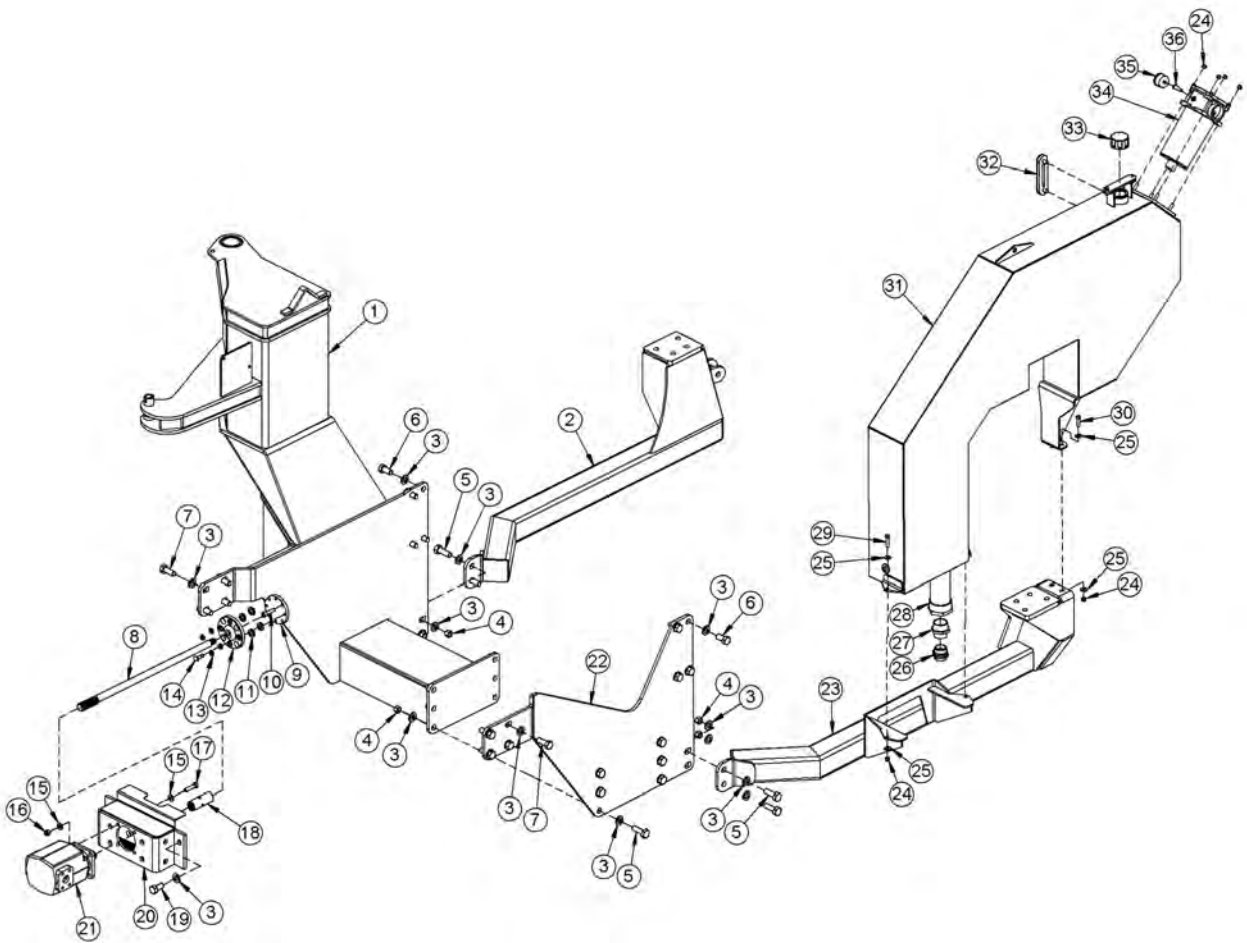


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

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

TRACTOR MOUNT KIT

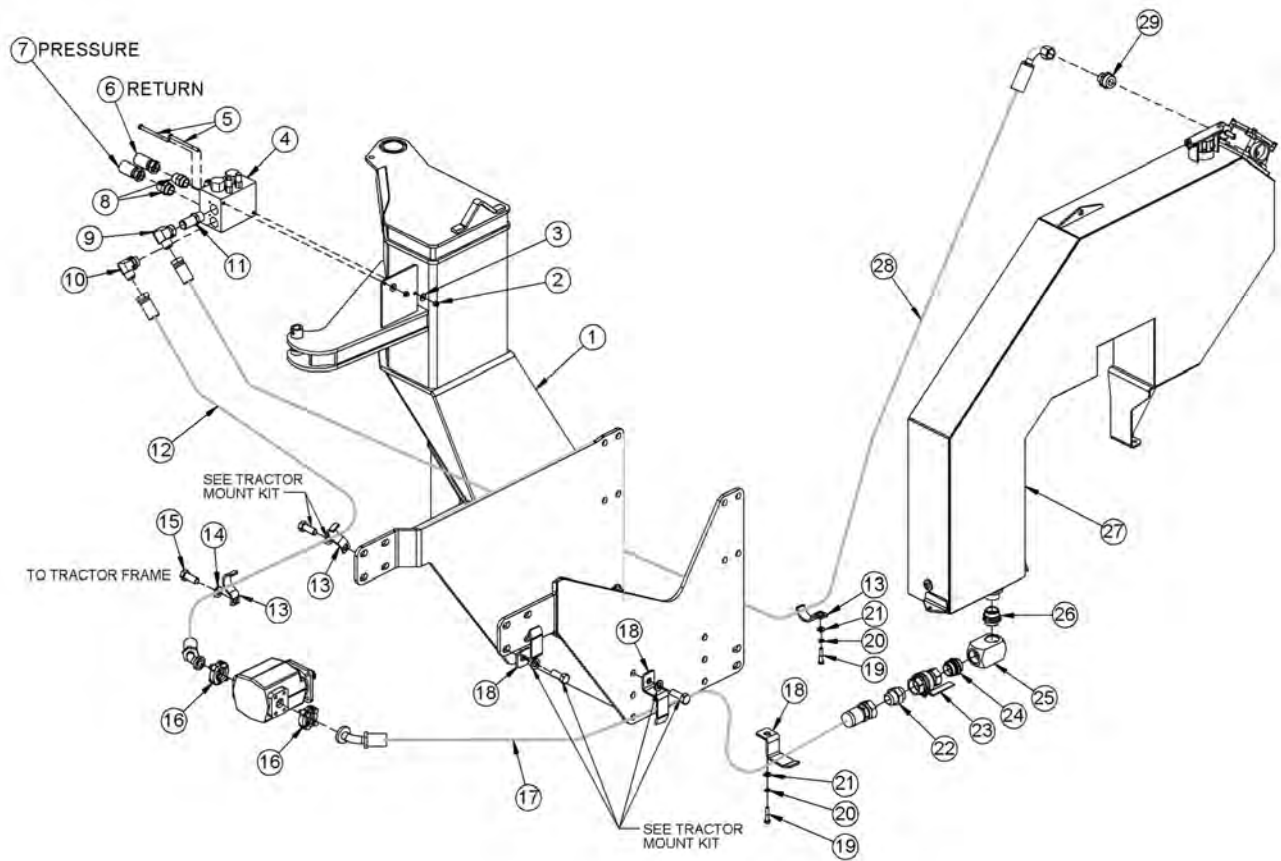


TRACTOR MOUNT KIT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06300310	1	MAIN FRAME
2	06300311	1	AXLE BRACE,RIGHT HAND
3	33880	42	FLATWASHER,3/4",SAE
4	21825	10	HEX NUT,3/4",NC
5	21833	10	CAPSCREW,3/4" X 2-1/4",NC
6	24860	8	CAPSCREW,20MM X 40MM,2.5P
7	31731	8	CAPSCREW,20MM X 50MM,2.5P
8	06420171	1	DRIVESHAFT
9	06420006	1	SPACER,DRIVESHAFT
10	06530504	4	CAPSCREW,12MM X 45MM,1.75P
11	06537004	4	WASHER,NEOPRENE
12	6T0689	1	KIT,CRNKSHT ADPT,IHC 885
---	31674	1	CRANKSHAFT ADAPTER
13	24937	4	FLATWASHER,7/16",SAE
14	06535000	4	CAPSCREW,7/16" X 1*-1/4",CUTOFF
15	06533004	8	FLATWASHER,1/2",SAE
16	21727	4	NYLOCK NUT,1/2",NC
17	21733	4	CAPSCREW,1/2" X 2",NC
18	6T0375B	1	COUPLING
19	24860	6	CAPSCREW,20MM X 40MM,2.5P
20	34208	1	PUMP MOUNTING BRACKET
21	23152	1	PUMP
22	06411798	1	RISER
23	06300312	1	AXLE BRACE,LEFT HAND
24	21627	8	NYLOCK NUT,3/8",NC
25	22016	8	FLATWASHER,3/8"
26	06503087	1	ADAPTER,1-1/2"MOR X 1-1/2"MP
27	24047	1	BUSHING,2MP X 1-1/2"FP
28	06505072	1	FILTER,SUCTION
29	21633	2	CAPSCREW,3/8" X 1-3/4",NC
30	21632	2	CAPSCREW,3/8" X 1-1/2",NC
31	06700202	1	HYDRAULIC TANK ASSEMBLY
---	06380054	1	WELDMENT,HYDRAULIC TANK
32	06505067	1	SIGHT GAUGE
---	06503175	1	SEAL KIT,SIGHT GAUGE
33	35054	1	BREATHER CAP
34	06505044	1	RETURN FILTER
---	35259	1	FILTER ELEMENT
35	6T0649	1	FILTER GAUGE
36	TF4888	1	STREET ELBOW

TRACTOR MOUNT KIT - HYDRAULICS



* ITEM 19 (2x) REPLACES HARDWARE
HOLDING FUEL TANK TO TRACTOR.

TRACTOR MOUNT KIT - HYDRAULICS

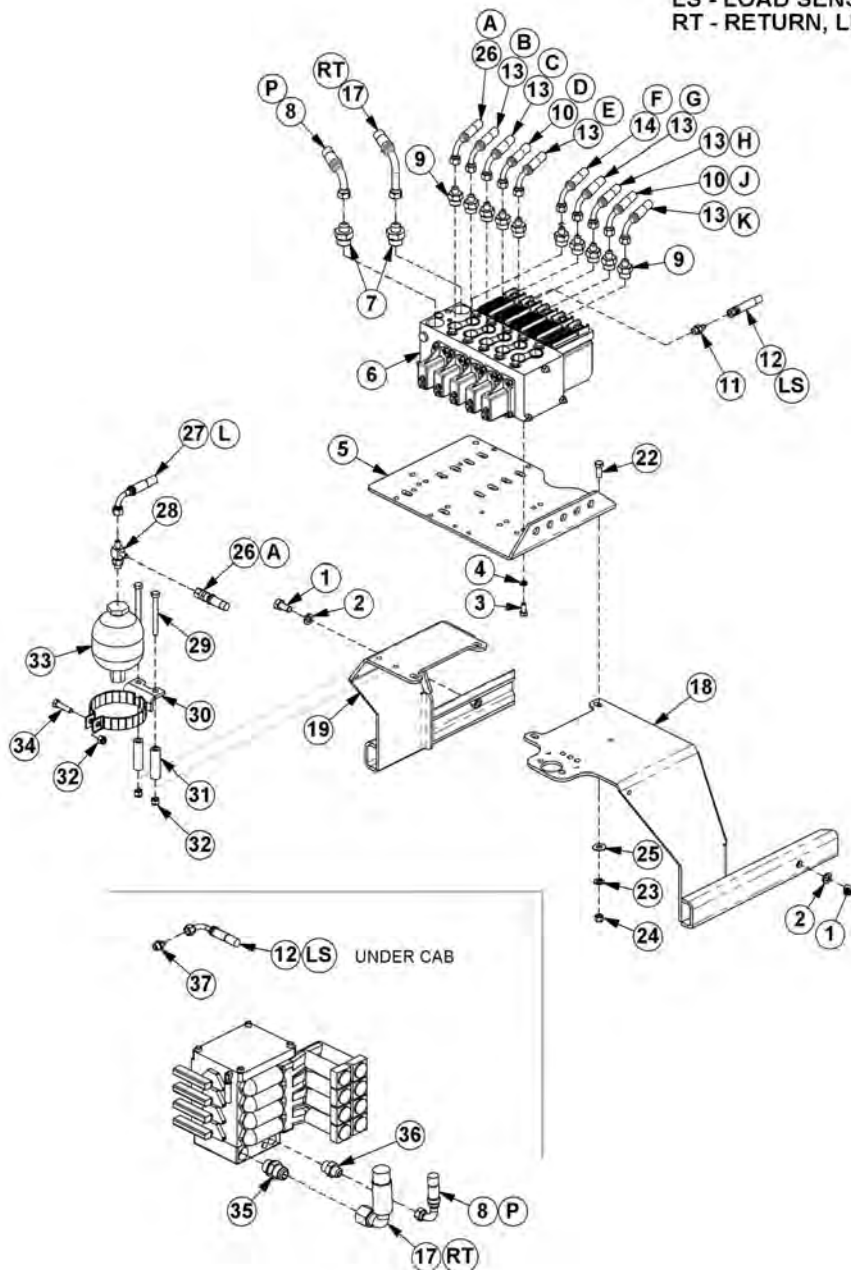
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ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	MAINFRAME *REFER TO TRACTOR MOUNT KIT
2	21627	2	NYLOCK NUT,3/8",NC
3	22016	2	FLATWASHER,3/8"
4	06510083	1	BRAKE VALVE
5	21644	2	CAPSCREW,3/8" X 5",NC
6	06500739	1	HOSE,1" X 120" (RETURN)
7	06500740	1	HOSE,1" X 105" (PRESSURE)
8	33555	2	ADAPTER,1"MOR X 1"MJ
9	33259	1	ELBOW,1"FOR X 1"MJ
10	34117	1	ELBOW,1"MOR X 1"MJ
11	32869	1	NIPPLE, LONG,1"MOR X 1"MJ
12	06500430	1	HOSE,1" X 82"
13	TB3012	3	HOSE CLAMP
14	33880	1	FLATWASHER,3/4",SAE
15	24860	1	CAPSCREW,20MM X 40MM,2.5P
16	TF4852	2	KIT,FLANGE,#20
17	06500701	1	HOSE,1-1/2" X 126"
18	32382	3	HOSE CLAMP
19	22254	2	CAPSCREW,10MM X 50MM,1.25P
20	32691	2	LOCKWASHER,10MM
21	32724	2	FLATWASHER,10MM
22	34710	1	ADAPTER,1-1/2"MOR X 1-1/2"MJ
23	34309	1	BALL VALVE,1-1/2"FOR
24	06503083	1	ADAPTER,1-1/2"MOR X 1-1/2"MOR
25	06503084	1	ELBOW,1-1/2"FOR X 1-1/2"FOR
26	06503087	1	ADAPTER,1-1/2"MOR X 1-1/2"MP
27	-----	-	HYDRAULIC TANK *REFER TO TRACTOR MOUNT KIT
28	34375	1	HOSE,1" X 195"
29	34064	1	ADAPTER,1-1/2"MOR X 1"MJ

ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT

HOSE ROUTING

- A - LIFT VALVE TO ACCUMULATOR
- B - TO SECONDARY CYLINDER GLAND
- C - TO DECK ROLL CYLINDER GLAND
- D - TO BOOM SWIVEL CYLINDER BUTT
- E - TO SAFETY SHIELD CYLINDER GLAND
- F - TO MAIN BOOM CYLINDER BUTT
- G - TO SECONDARY CYLINDER BUTT
- H - TO DECK ROLL CYLINDER BUTT
- J - TO BOOM SWIVEL CYLINDER GLAND
- K - TO SAFETY SHIELD CYLINDER BUTT
- L - TO MAIN BOOM CYLINDER GLAND
- P - PRESSURE FROM TRACTOR TO LIFT VALVE
- LS - LOAD SENSE, LIFT VALVE TO TRACTOR
- RT - RETURN, LIFT VALVE TO TRACTOR

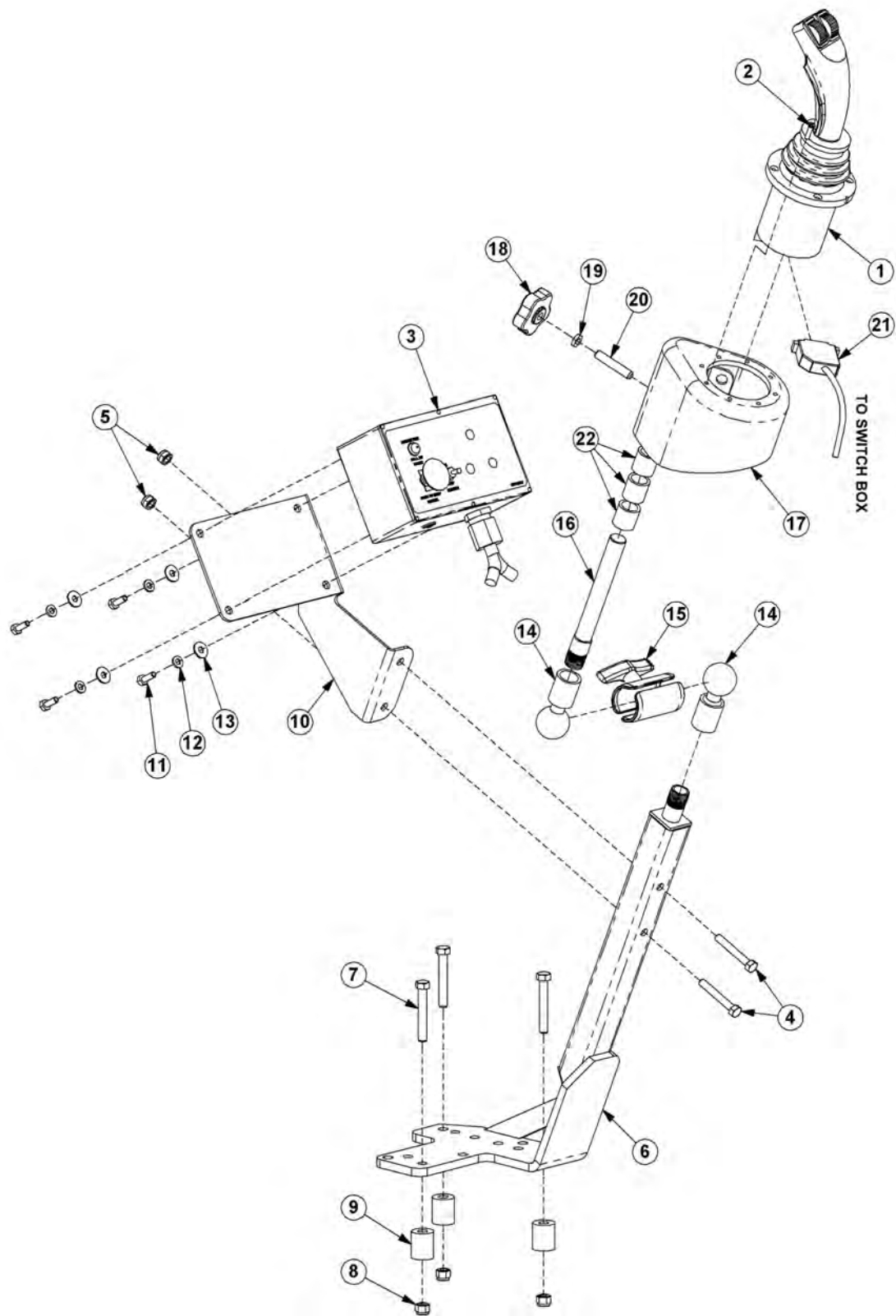


ELECTRONIC PROPORTIONAL LIFT VALVE MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	21729	2	CAPSCREW,1/2" X 1",NC
2	21990	2	LOCKWASHER,1/2"
3	21579	4	CAPSCREW,5/16" X 3/4",NC
4	21987	4	LOCKWASHER,5/16"
5	34622	1	PLATE,VALVE,REAR MNT
6	06502097	1	VALVE,5SP
7	33591	2	ADAPTER,3/4"MOR X 1/2"MJ
8	34612	1	HOSE,1/2" X 34" (PRESSURE)
9	32807	10	ADAPTER,5/8"MORB X 3/8"MJ
10	06500149	2	HOSE,1/4" X 220"
11	33419	1	ADAPTER,5/16"MOR X 1/4"MJ
12	06500270	1	HOSE,1/4" X 12" (LOAD SENSE)
13	06500750	6	HOSE,1/4" X 280"
14	06500742	1	HOSE,1/4" X 306"
17	06500339	1	HOSE,1/2" X 35" (RETURN)
18	06340008	1	VLV MNT,RH
19	06340009	1	VLV MNT,LH
22	21631	4	CAPSCREW,3/8" X 1-1/4",NC
23	21988	4	LOCKWASHER,3/8"
24	21625	4	HEX NUT,3/8",NC
25	22016	4	FLATWASHER,3/8"
26	06500354	1	HOSE,1/4" X 12"
27	06500742	1	HOSE,1/4" X 306"
28	06503029	1	ADAPTER,TEE
29	21640	2	CAPSCREW,3/8" X 3-1/2",NC
30	2389	1	BRACKET,ACCUMULATOR
31	06420054	2	SPACER
32	21627	3	NYLOCK NUT,3/8",NC
33	24300	1	ACCUMULATOR
34	21632	1	CAPSCREW,3/8" X 1-1/2",NC
35	06503012	1	27MM MOR X 3/4"MJ
36	33463	1	22MM MOR X 1/2"MJ
37	-----	-	ADAPTER *EXISTING TRACTOR HARDWARE

JOYSTICK AND SWITCHBOX MOUNT

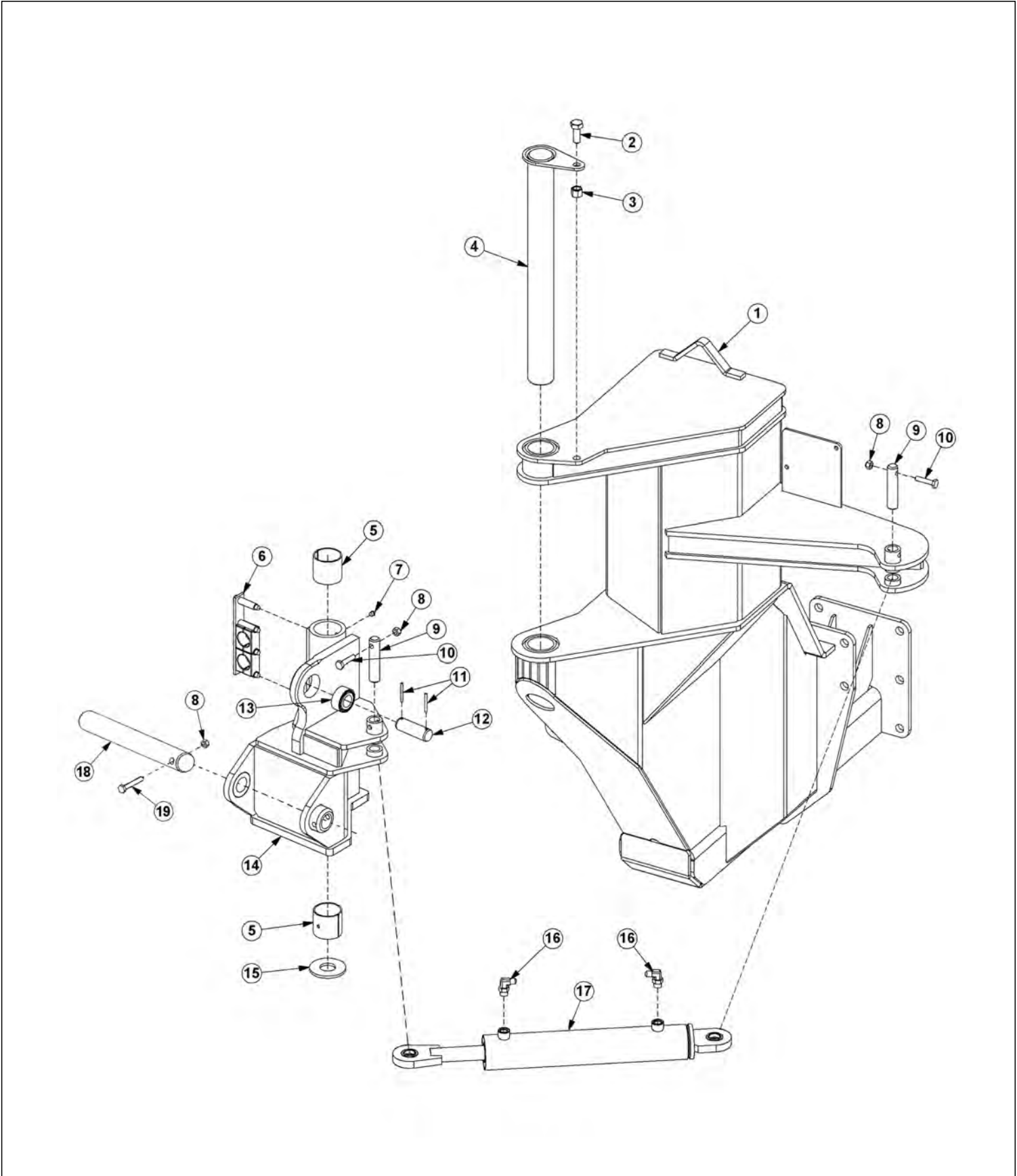


JOYSTICK AND SWITCHBOX MOUNT

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	33691	1	JOYSTICK
2	32829	4	SCREW,MACHINE,10-32 X 3/4",FLATHD
3	06510196	1	SWITCH BOX,DF,SS,OS
4	21585	2	CAPSCREW,5/16" X 2-1/4",NC
5	21577	2	NYLOCK NUT,5/16",NC
6	06340011	1	MNT,STND,JOYSTICK
7	21639	3	CAPSCREW,3/8" X 3-1/4",NC
8	21627	3	NYLOCK NUT,3/8",NC
9	41794	3	SPACER
10	06340015	1	SWITCH BOX MNT
11	21529	4	CAPSCREW,1/4" X 3/4",NC
12	21986	4	LOCKWASHER,1/4"
13	22014	4	FLATWASHER,1/4"
14	06520041	2	MOUNT,RAM,BALL,1-1/2"
15	06520020	1	MOUNT,RAM,ARM
16	06340010	1	ROD,1/2"NPT X 7"
17	35033	1	CAN,JOYSTICK,ASSY
18	35204	1	KNOB,3/8",NC,INSERT
19	35206	1	HEX NUT,JAMB,3/8",NC
20	35205	1	SETSCREW,3/8" X 2",NC,KNURLED
21	33693	1	CBL,EXT,4FT,JOYSTICK
22	35256	3	BUSHING,NYLON

BOOM MOUNT KIT	
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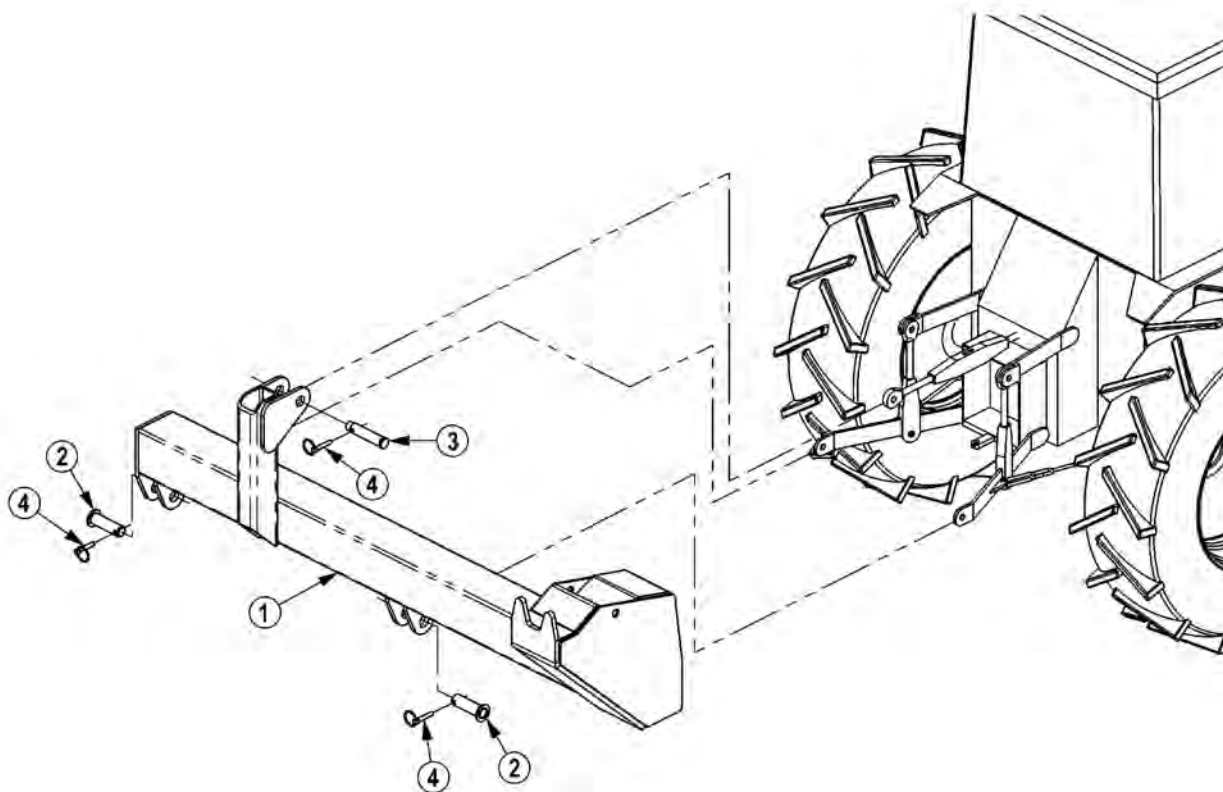


BOOM MOUNT KIT

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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	06505185	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	06700185	1	SWIVEL ASSEMBLY
---	06310150	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"

BOOMREST 3-POINT STOW

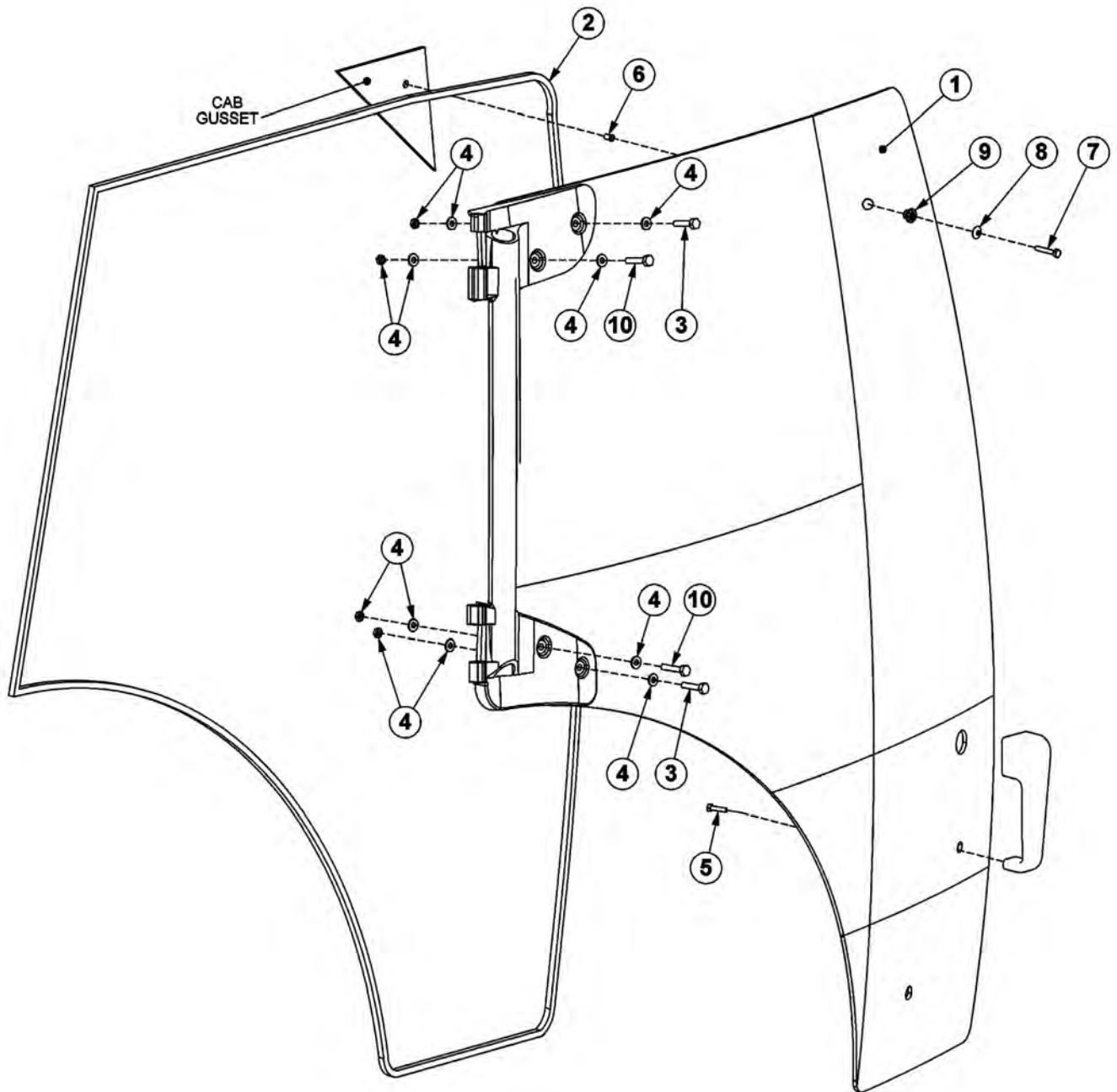


ITEM	PART NO.	QTY.	DESCRIPTION
1	06310023	1	BOOMREST,STD,3PNT
2	TF1120	2	PIN,(CAPPED),1-1/8 X 3-7/8
3	TB1036	1	PIN,SEC BOOM SWIV 1X4-11/16
4	TF1143	3	PIN,LYNCH 7/16 X 2

NOTES

NOTES

POLYCARBONATE SAFETY WINDOW

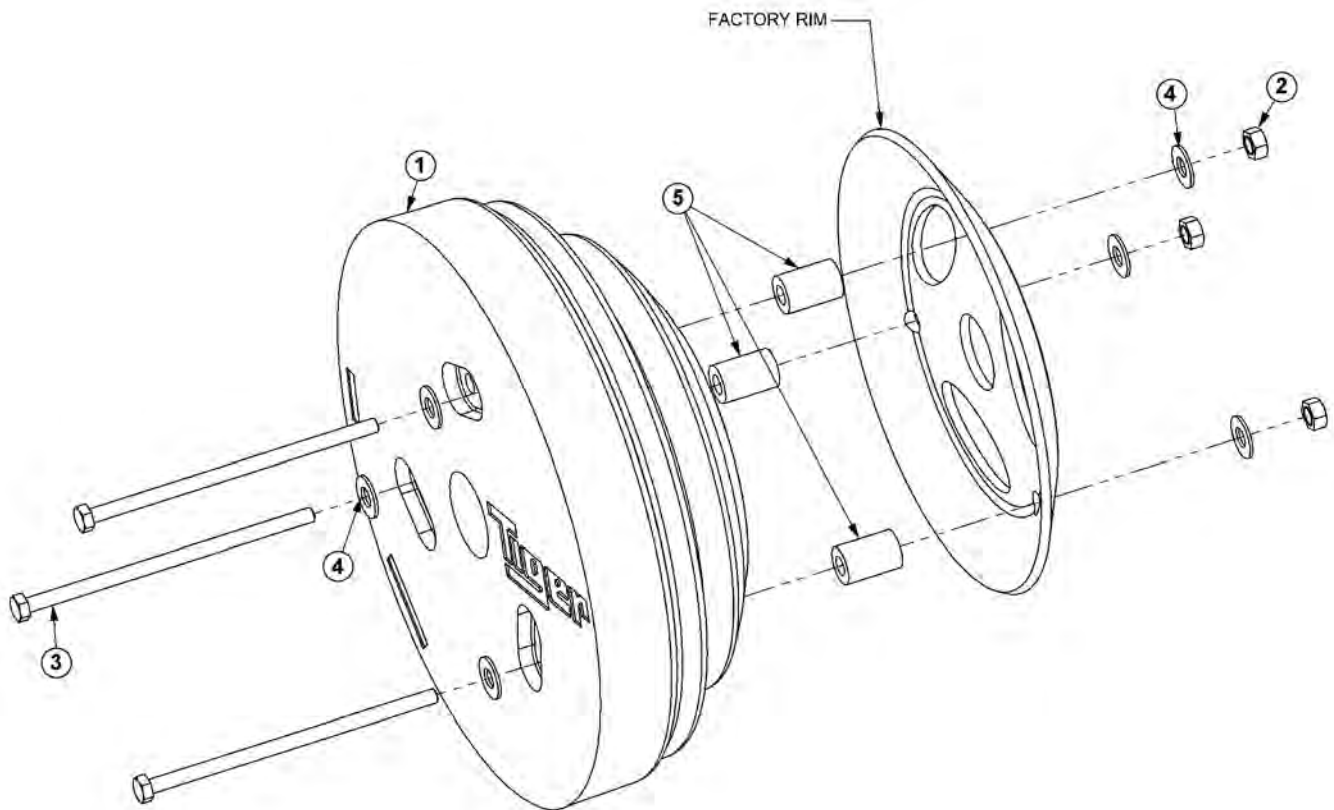


POLYCARBONATE SAFETY WINDOW

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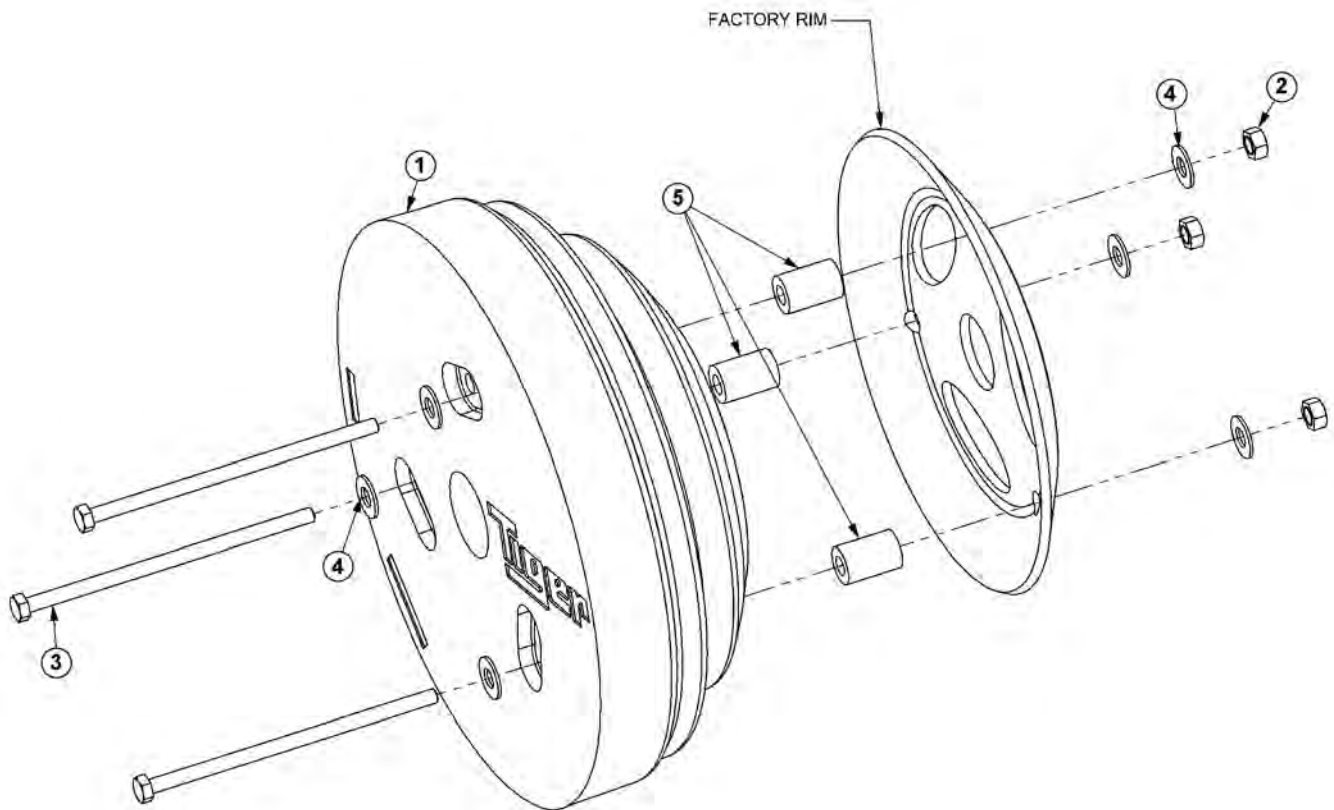
ITEM	PART NO.	QTY.	DESCRIPTION
1	06490037	1	POLYCARBONATE,DOOR,RH
2	31965	17	TRIM SEAL, 3/8"CLIP X 3/4"OD BULB (IN FEET)
3	06530502	2	CAPSCREW,8MM X 40MM,1.25P,GR8
4	-----	-	EXISTING HARDWARE
5	06530501	1	CAPSCREW,6MM X 25MM,1.0P,GR8
6	06537006	1	THREADED INSERT,1/4" X 1/2",NC
7	21532	1	CAPSCREW,1/4" X 1-1/2",NC
8	06537001	1	WASHER RUBBERIZED
9	35234	1	GROMET,RIBBED,1/2"OD X 1/4"ID X 1/2"
10	6T2494	2	CAPSCREW,8MM X 45MM,1.25P,GR8
---	06537005	1	ADHESIVE,WTHR STRP (NOT SHOWN)

WHEEL WEIGHT - 34IN TIRES



ITEM	PART NO.	QTY.	DESCRIPTION
1	32517	1	WHEEL WEIGHT, 1700#
2	06531000	3	HEX NUT, 7/8", NC
3	06530213	3	CAPSCREW, 7/8" X 16", NC, GR8
4	06533000	6	FLATWASHER, 7/8"
5	TB3278	3	SPACER

WHEEL WEIGHT - 38IN TIRES



ITEM	PART NO.	QTY.	DESCRIPTION
1	32517	1	WHEEL WEIGHT, 1700#
2	06531000	3	HEX NUT, 7/8", NC
3	06530213	3	CAPSCREW, 7/8" X 16", NC, GR8
4	06533000	6	FLATWASHER, 7/8"
5	TB3278	3	SPACER

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COMMON BENGAL T4

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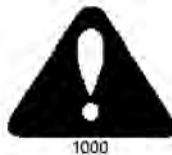
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PARTS ORDERING GUIDE

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

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

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

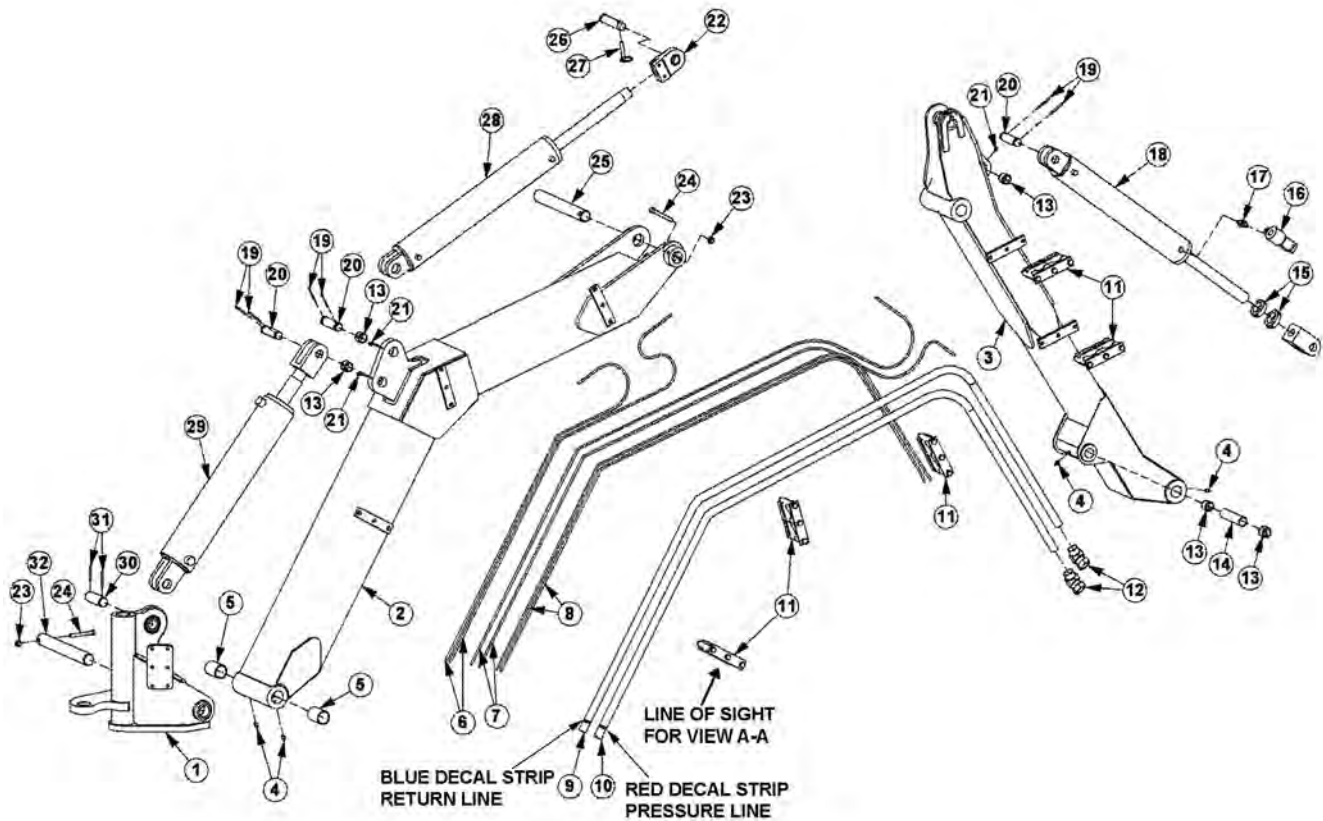


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

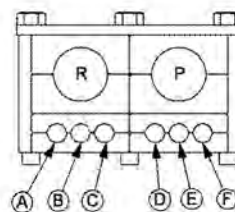
Tiger Corporation
3301 N. Louise Ave.
Sioux Falls, SD 57107
1-800-843-6849
1-605-336-7900

BOOM ASSY - BENGAL 18 T4



NOTES:

1. IMPORTANT: ALIGN GREASE HOLE IN BEARING (ITEMS 5 & 13) WITH GREASE ZERK IN BOOM. MAINTAIN ALIGNMENT DURING BEARING INSTALLATION
2. GREASE (ITEM 4) HINGE PIN ZERKS 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 GLAND
- R - RETURN
- P - PRESSURE

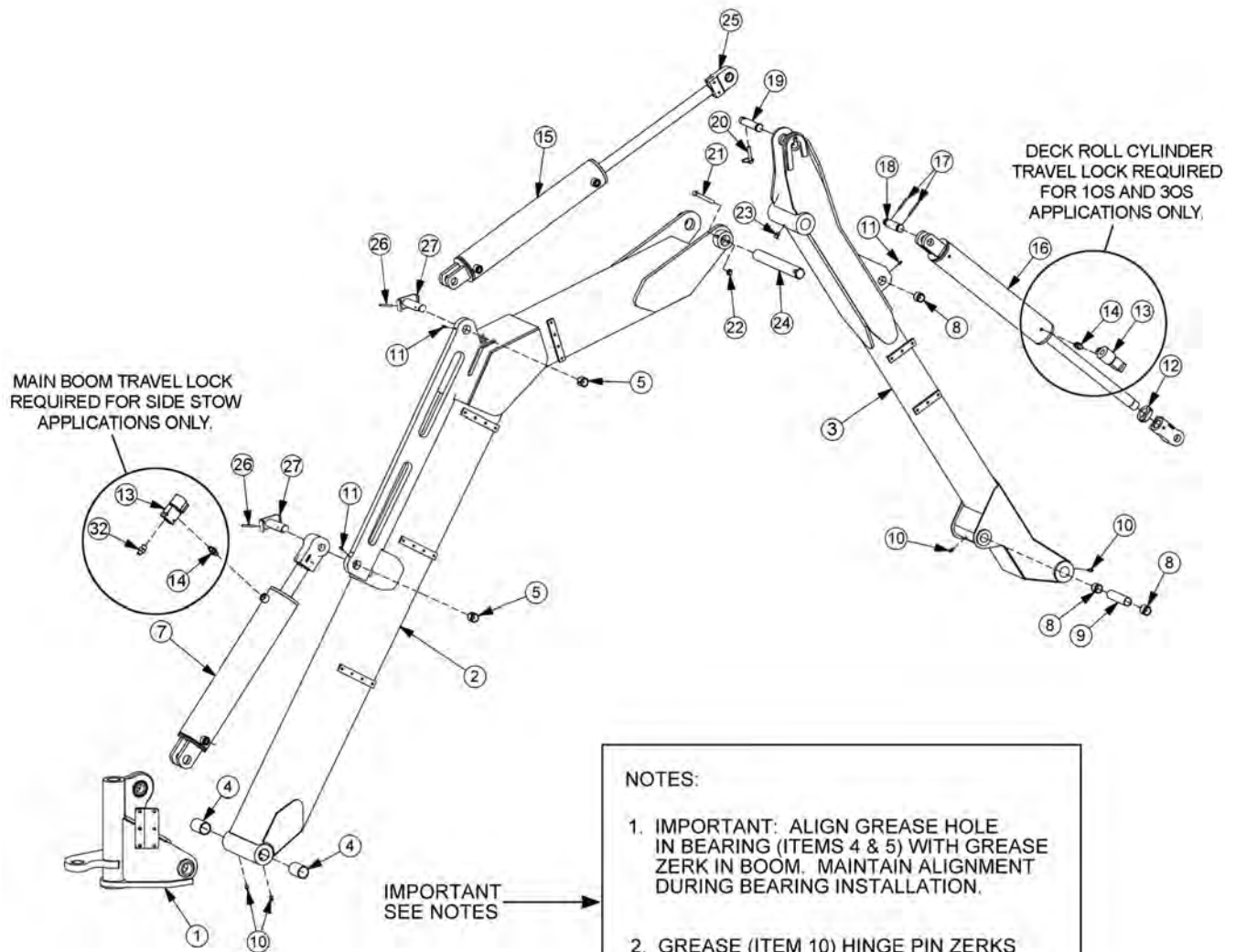
BOOM ASSY - BENGAL 18 T4

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	06520075	2	BUSHING,1-1/2" X 2-1/2"
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"

COMMON BENGAL T4

BOOM ASSY BENGAL STANDARD 22 T4



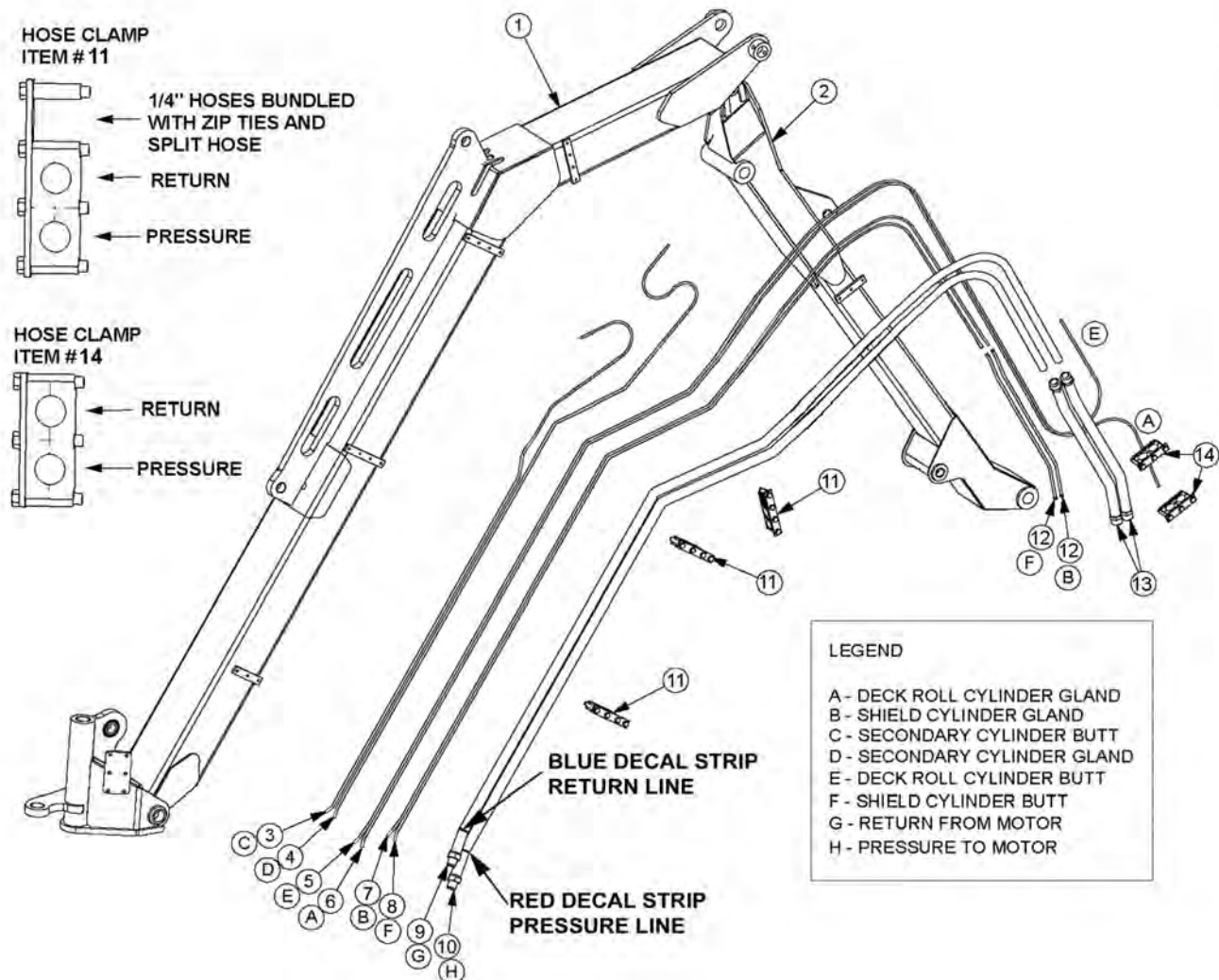
BOOM ASSY BENGAL STANDARD 22 T4

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

COMMON BENGAL T4

BOOM ASSY HYD BENGAL 22 T4



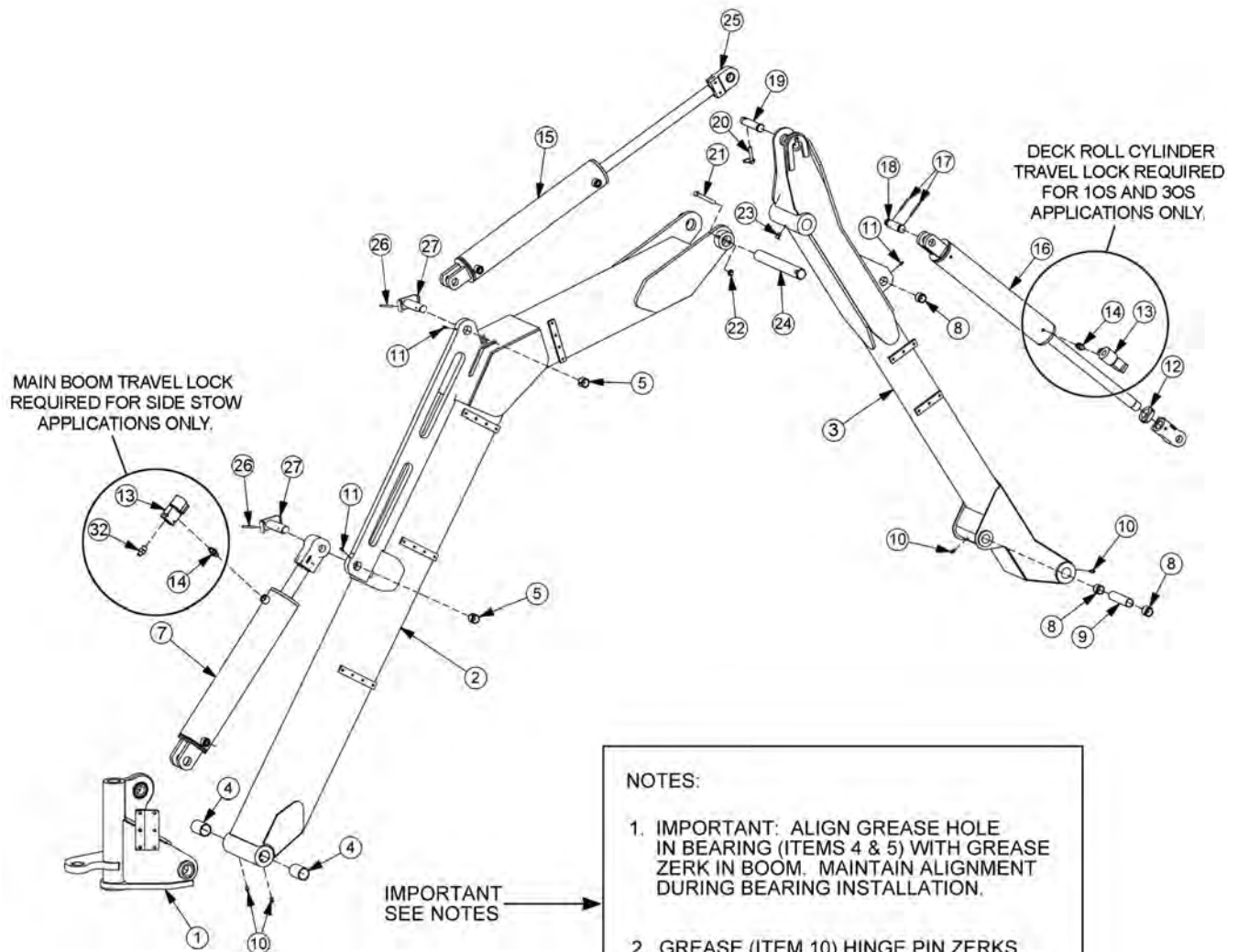
BOOM ASSY HYD BENGAL 22 T4

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

COMMON BENGAL T4

BOOM ASSY BENGAL EXT 24 T4

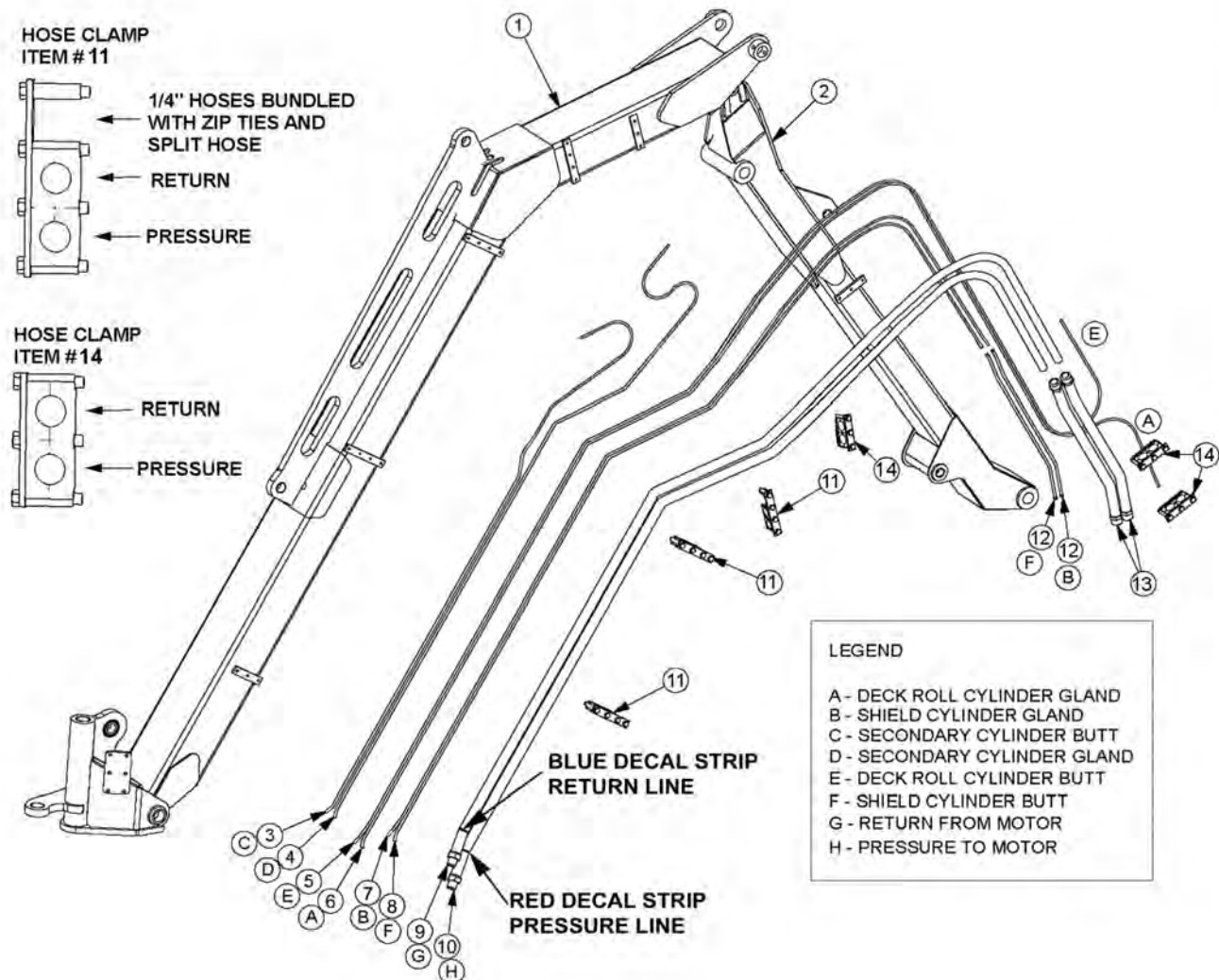


BOOM ASSY BENGAL EXT 24 T4**Continued...**

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

COMMON BENGAL T4

BOOM ASSY HYD BENGAL 24 T4



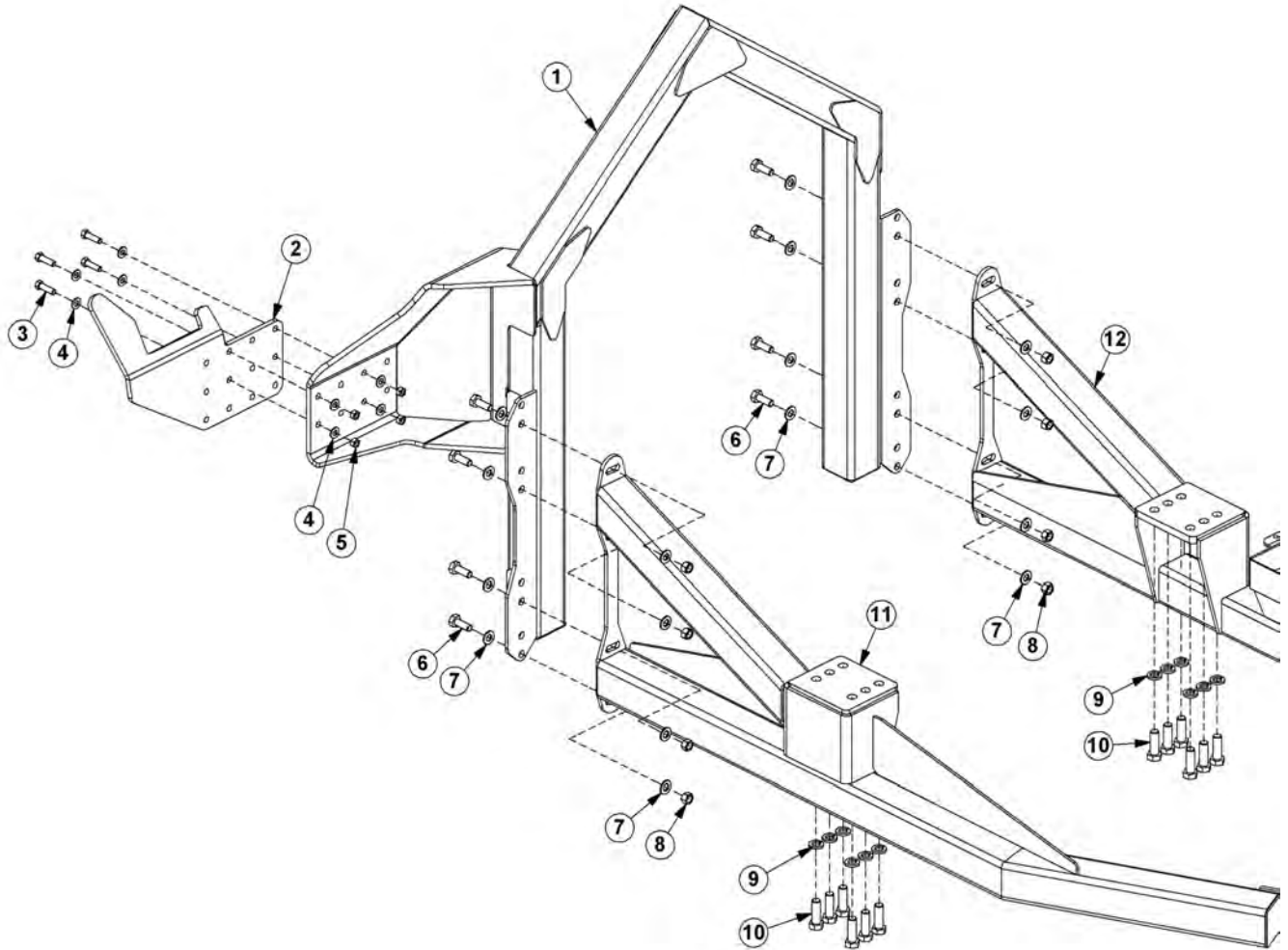
BOOM ASSY HYD BENGAL 24 T4

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

COMMON BENGAL T4

BOOMREST - OPEN STOW



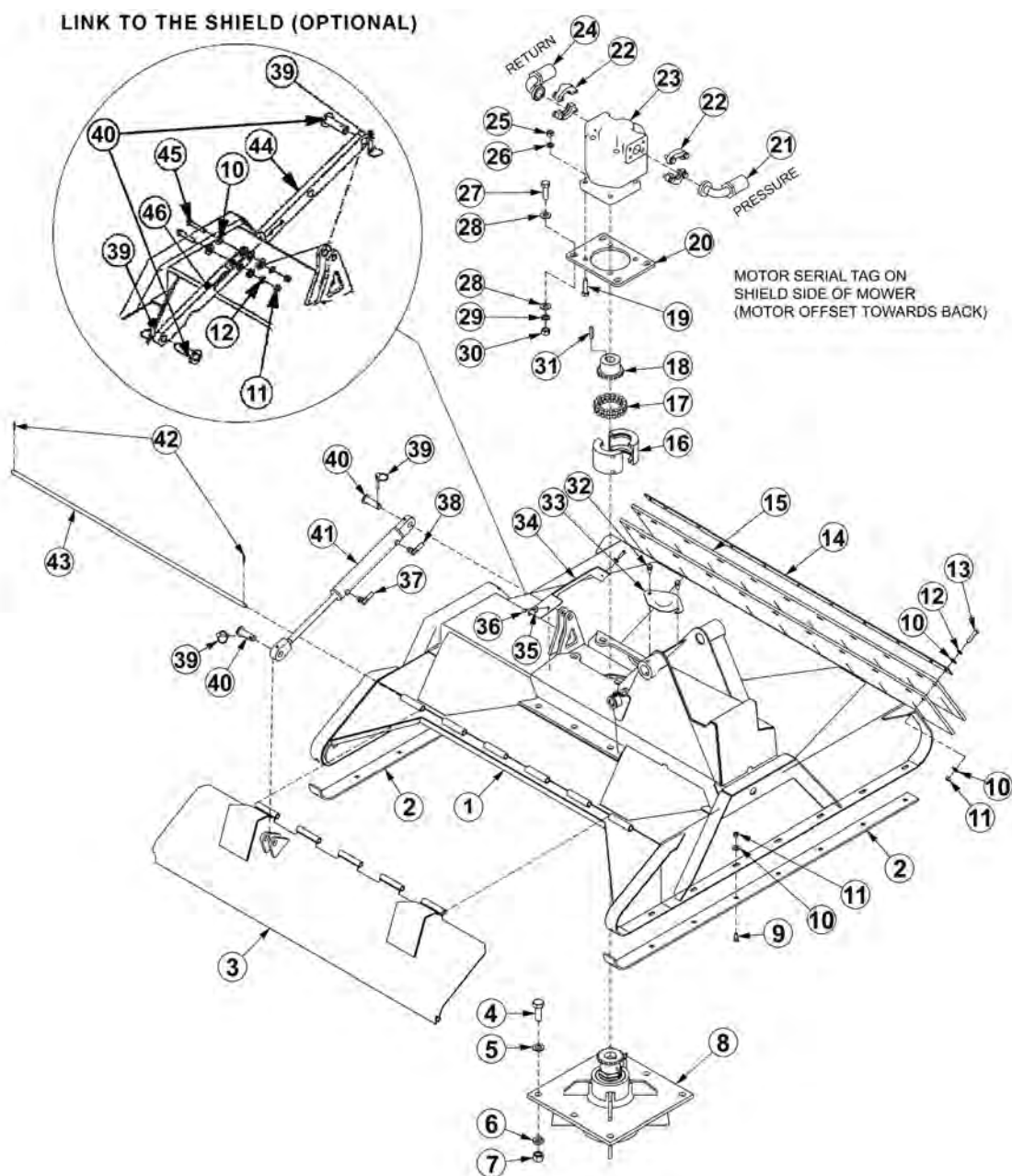
BOOMREST - OPEN STOW

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06310159	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	06300019	1	AXLE BRACE,RH
12	06300256	1	AXLE BRACE,LH

COMMON BENGAL T4

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

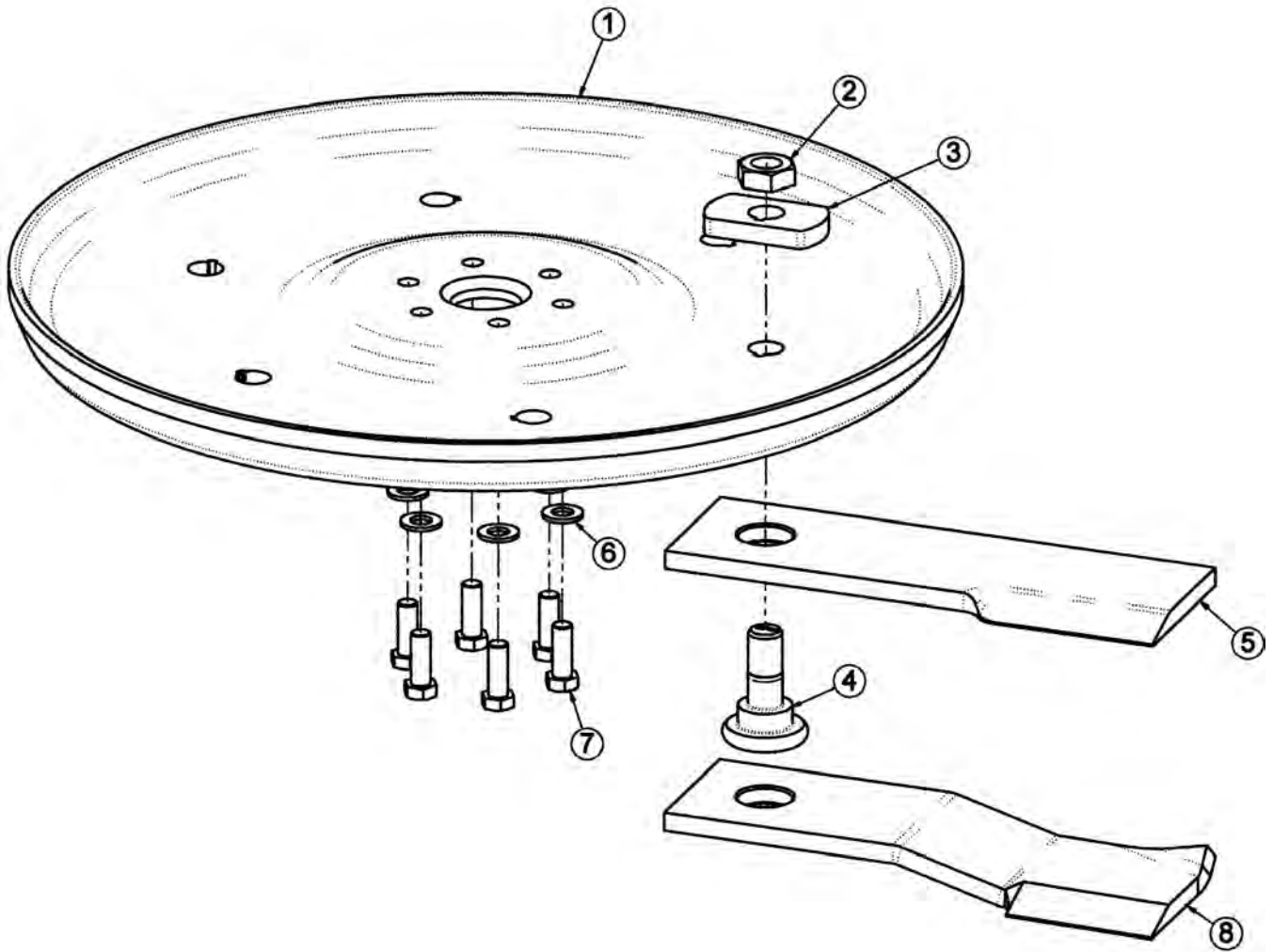
50IN ROTARY MOWER ASSEMBLY

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

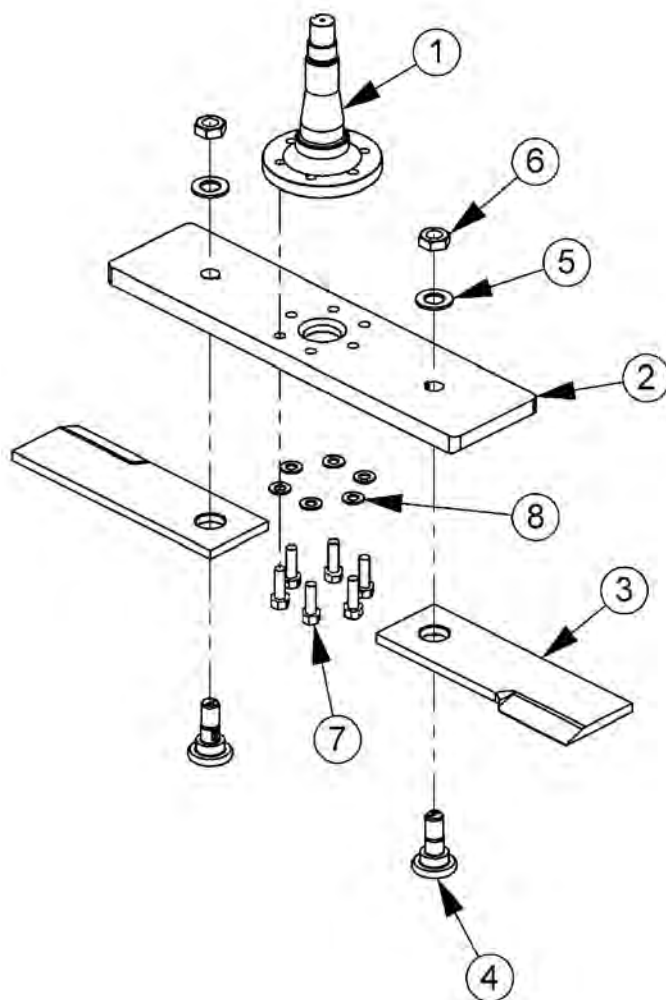
COMMON BENGAL T4

50IN ROTARY KNIVES AND DISH



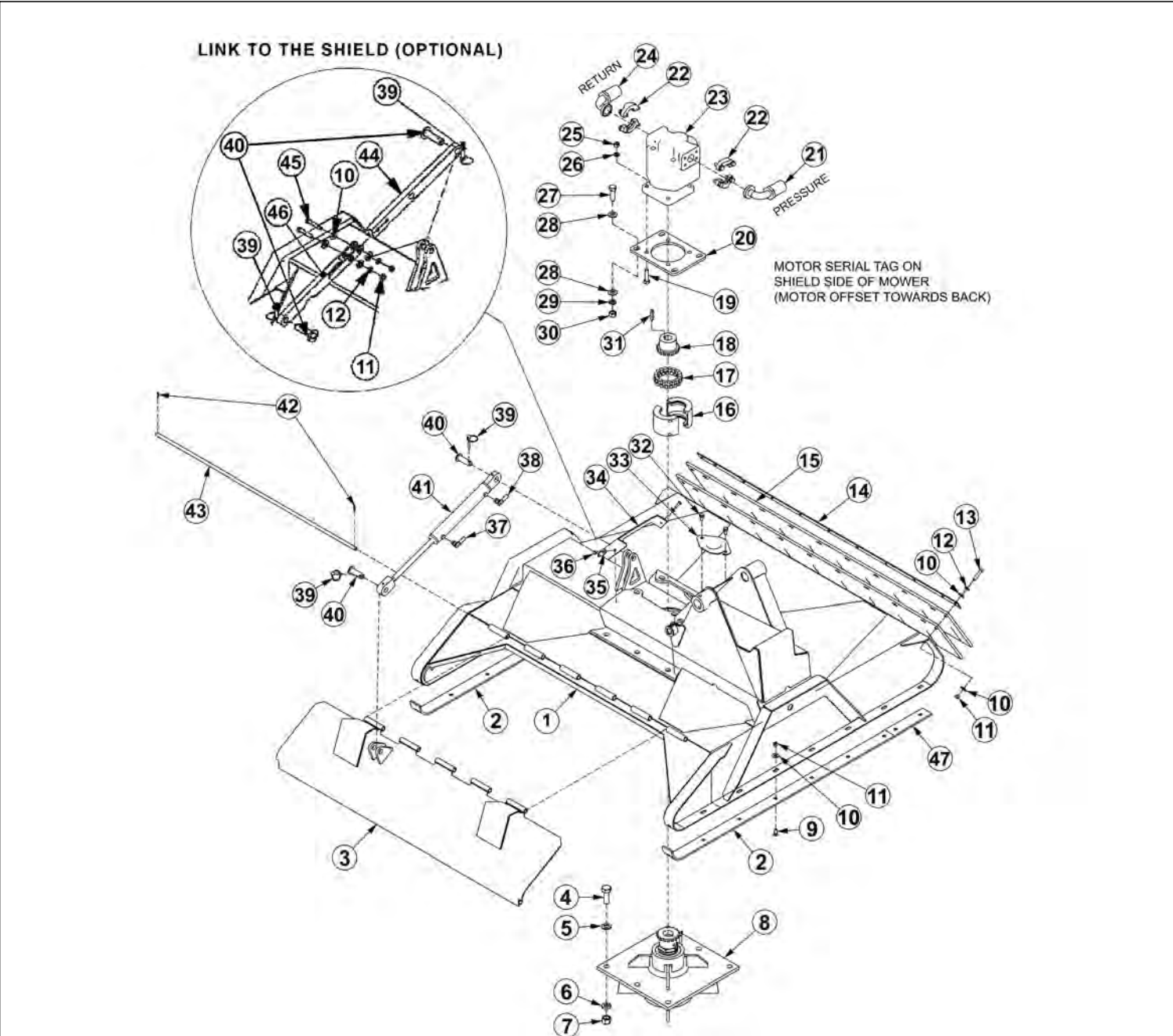
ITEM	PART NO.	QTY.	DESCRIPTION
-----	06700089	-	KIT,TRB50,DISK,W/BOLT KIT (INCLUDES ITEMS 1,3 & 7)
1	06770003	1	BLADE MOUNTING DISK
2	6T1023R	2	NYLOCK HEX NUT 1 1/8"
3	34878	2	SPACER
4	06538000	2	KNIFE MOUNTING BOLT
5	06521001	2	STANDARD KNIFE
6	33764	6	FLATWASHER
7	6T2259	6	CAPSCREW
-----	06770012	-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



ITEM	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

COMMON BENGAL T4

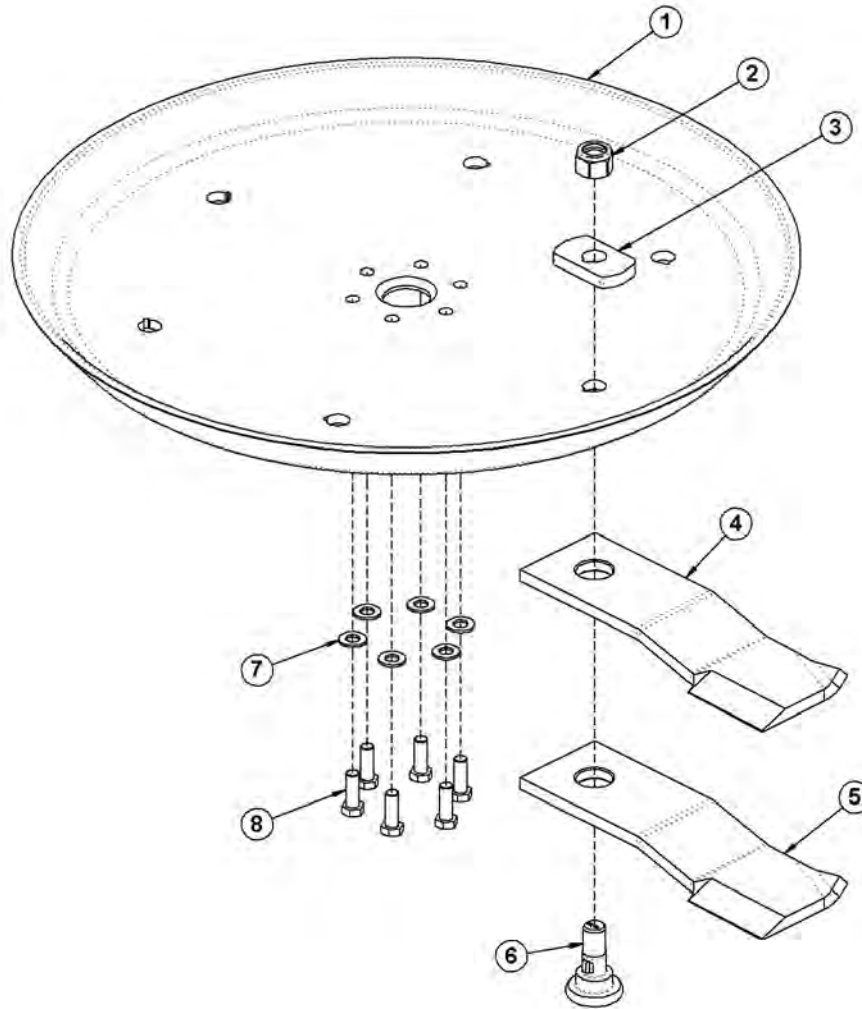
60IN ROTARY MOWER ASSEMBLY

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

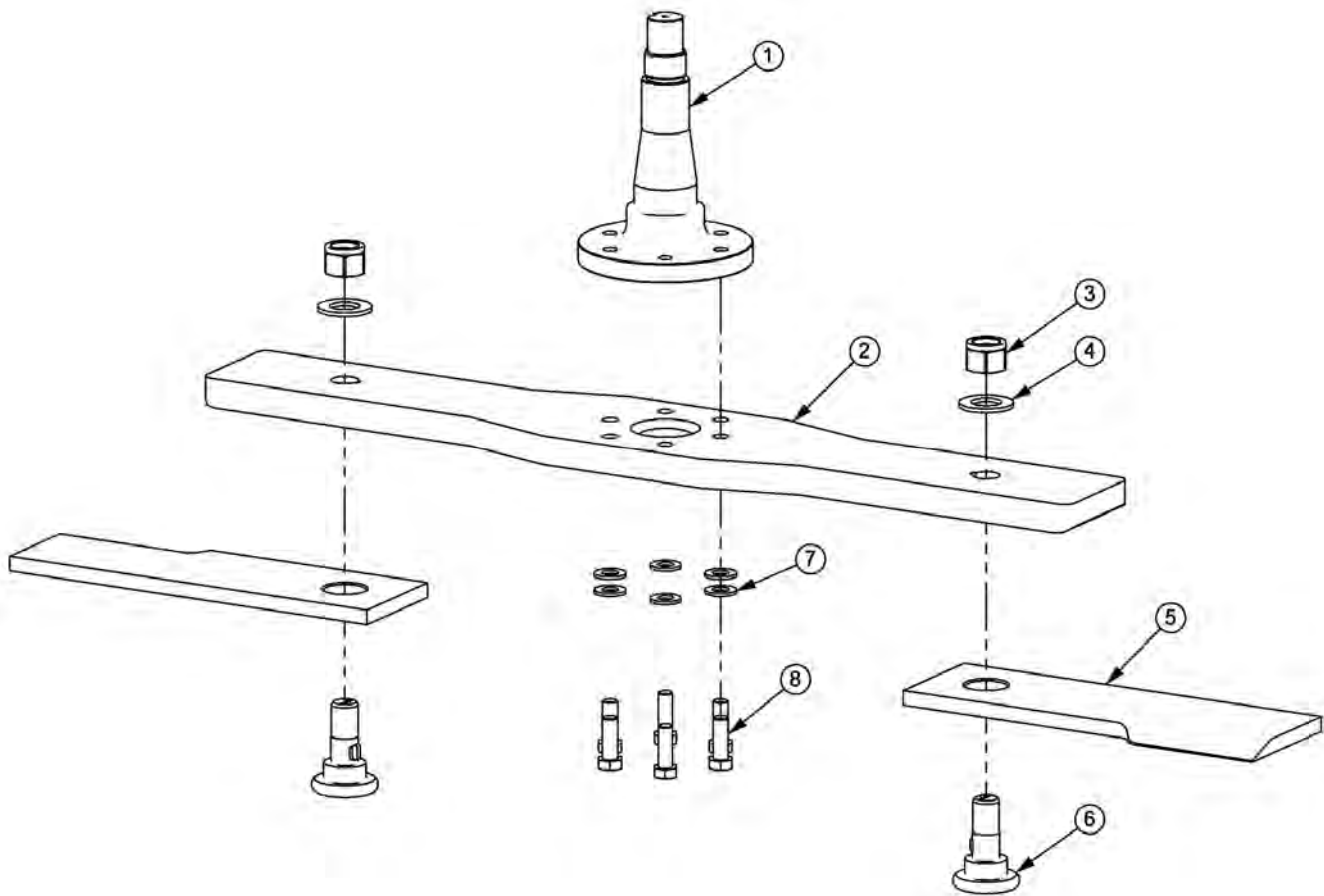
COMMON BENGAL T4

60IN ROTARY KNIVES AND DISH



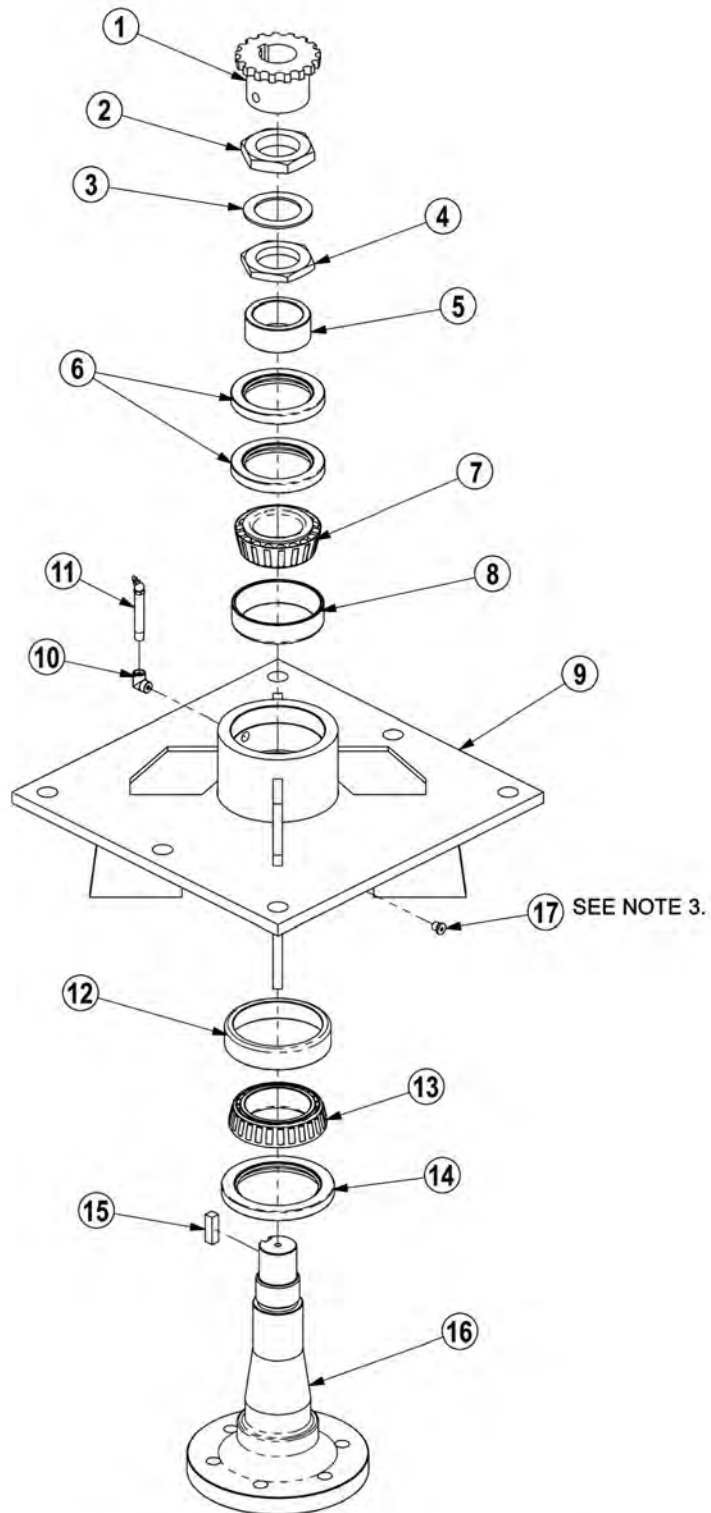
ITEM	PART NO.	QTY.	DESCRIPTION
1	34876	1	BLADE MOUNTING DISH,60"
2	6T1023R	2	NYLOCK NUT,1-1/8",NF
3	34878	2	SPACER
4	34684	2	STANDARD GRASS KNIFE
5	34685	2	HIGH SUCTION GRASS KNIFE (OPTIONAL)
6	34497	2	KNIFE MOUNTING BOLT
7	25270	6	FLATWASHER,5/8",GR8,USS
8	6T2259	6	CAPSCREW,5/8" X 1-3/4",NF,GR8
---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

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

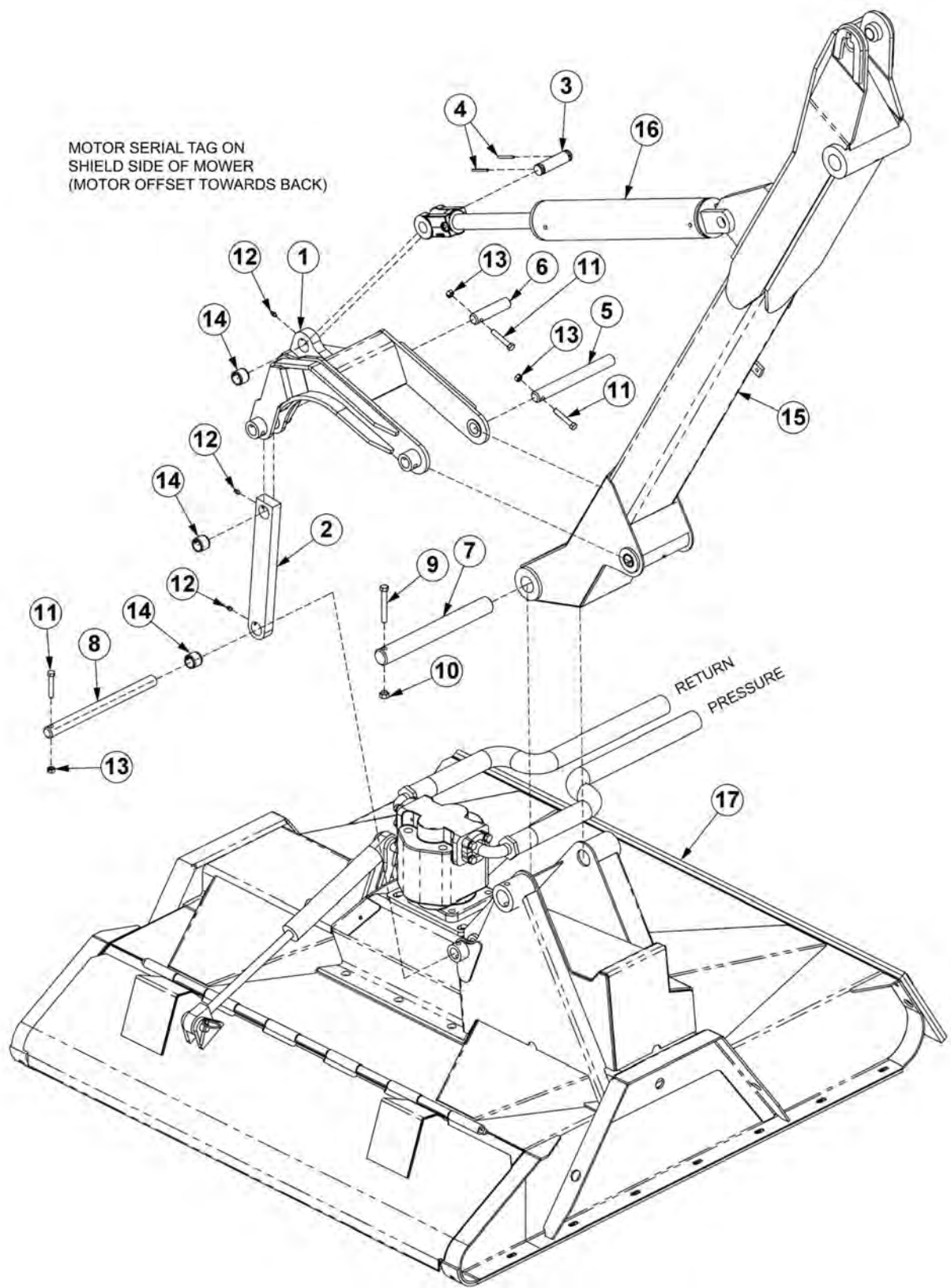
ROTARY MOWER SPINDLE ASSEMBLY

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)

COMMON BENGAL T4

BOOM ROTARY PIVOT ASSEMBLY

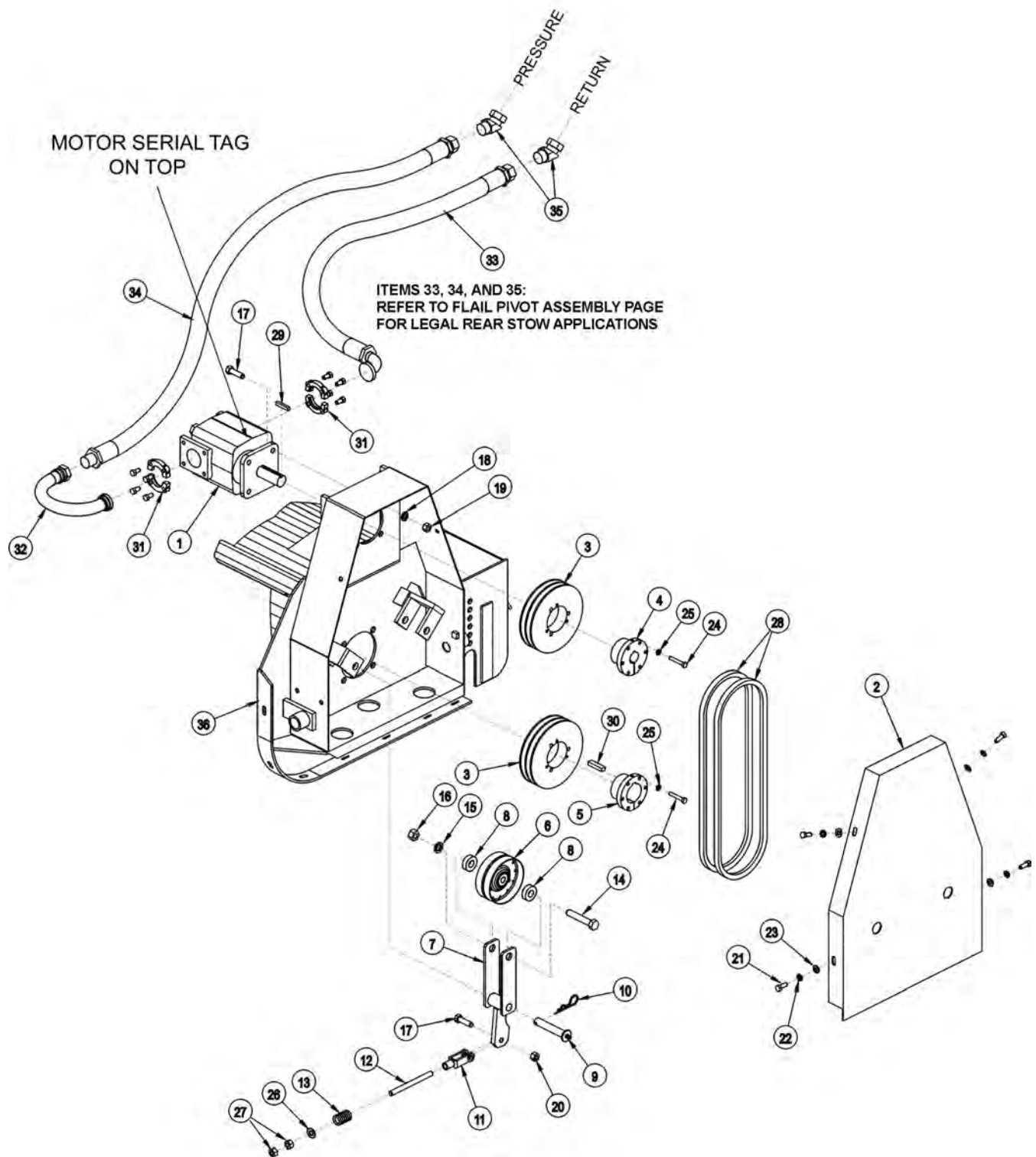


BOOM ROTARY PIVOT ASSEMBLY

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



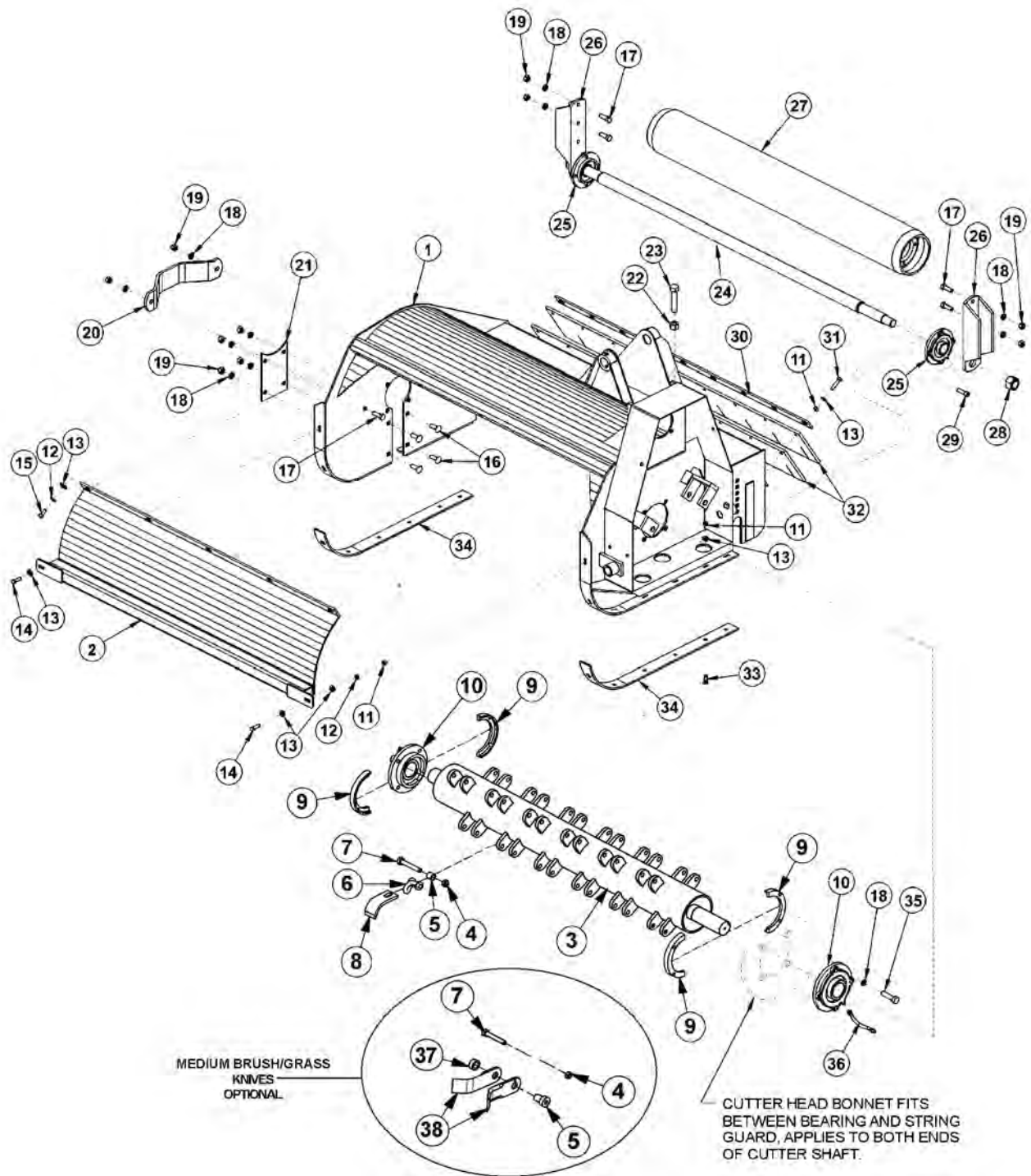
50IN FLAIL DRIVE ASSEMBLY

Continued...

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

COMMON BENGAL T4

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

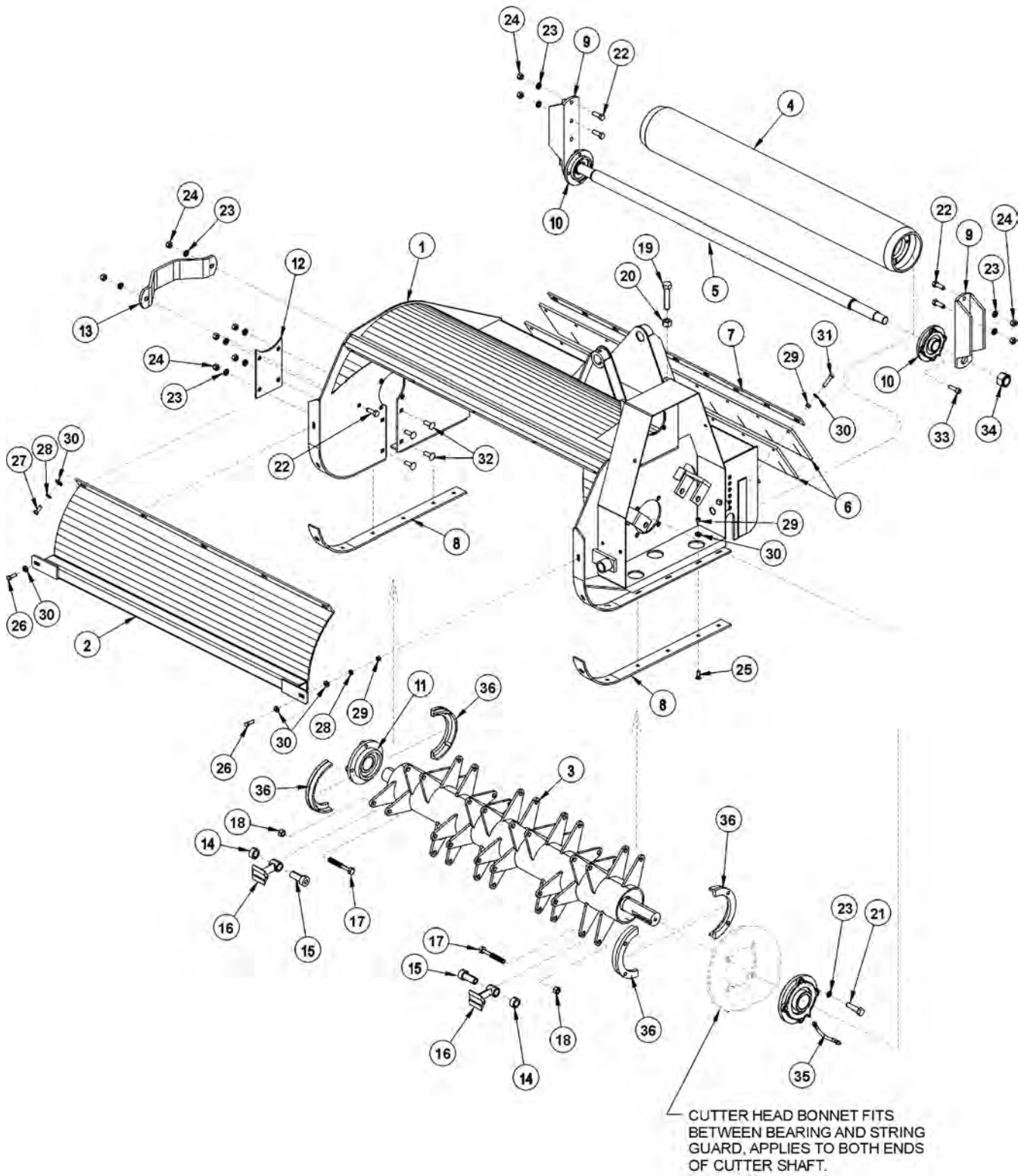
50IN FLAIL MOWER ASSEMBLY

Continued...

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	06420182	24	BUSHING
6	34782	24	CLEVIS (LIGHT BRUSH/GRASS KNIVES)
7	34786	24	CAPSCREW,9/16" X 3-1/2",NC
8	34780	24	KNIFE (LIGHT 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
37	06420183	24	SPACER (MEDIUM BRUSHGRASS KNIVES)
38	06521007	48	KNIFE (MEDIUM BRUSH/GRASS CUTTING)

COMMON BENGAL T4

50IN FLAIL MOWER ASSY, PASS-THROUGH KNIVES



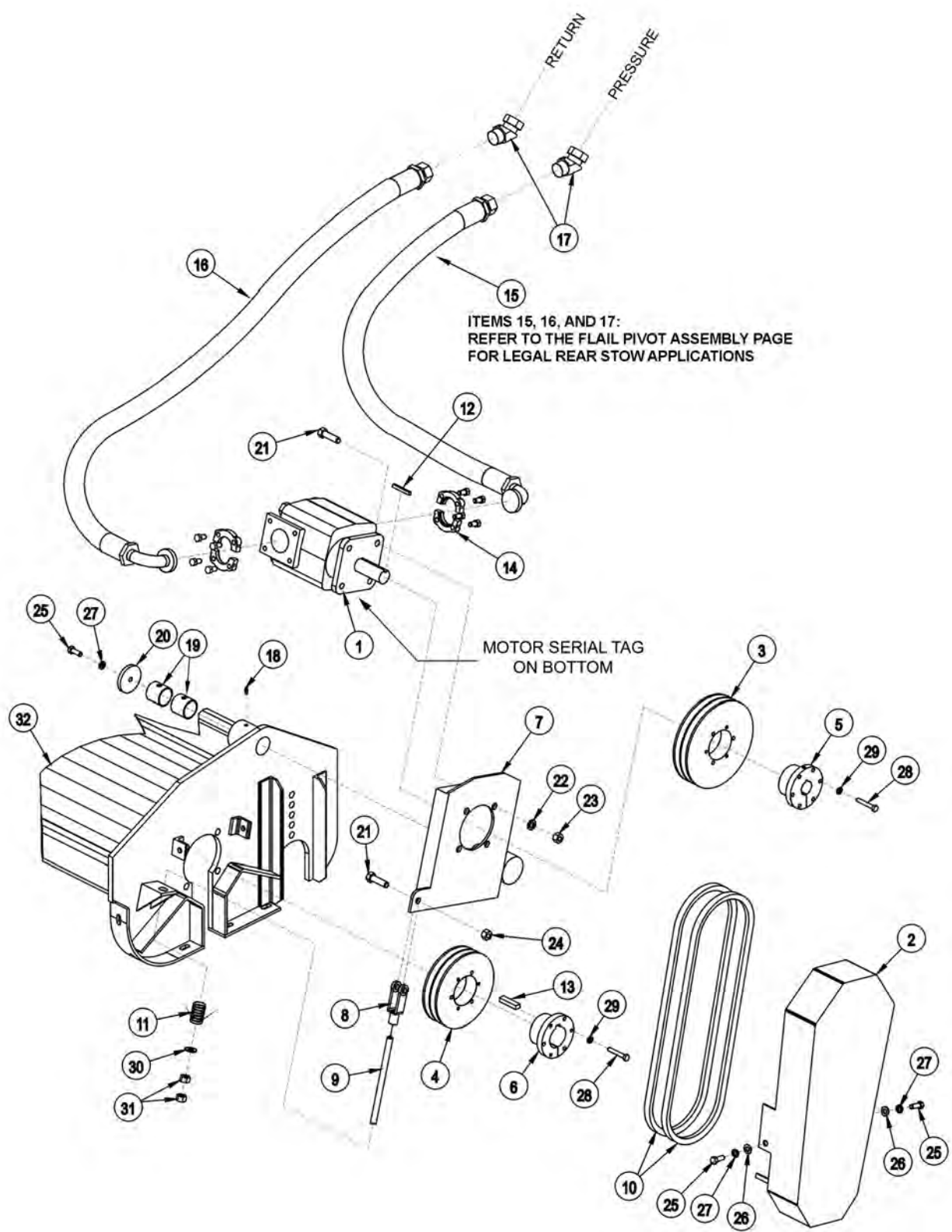
50IN FLAIL MOWER ASSY, PASS-THROUGH KNIVES

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
---	34172	1	FLAIL,BOOM,50,CPLT ASSY
1	TF3003F	1	CUTTER HEAD BONNET
2	TF3004	1	FRONT SHIELD
3	33717	1	TBF50,CUTTERSHAFT,PASS THRU KNIVES
4	TF3405	1	GROUND ROLLER
5	TF3406	1	GROUND ROLLER TIE ROD
6	TB1006A	2	DEFLECTOR FLAP
7	TB1008	1	FLAP RETAINING BAR
8	TF3001	2	SKID SHOE
9	TF3407	2	GROUND ROLLER ADJUSTMENT BRACKET
10	TF1022	2	FLANGE BEARING,1-3/8"
11	TF1018	2	FLANGE BEARING,2-3/16"
12	TF3007A	1	COVER PLATE
13	TF1040	1	CUTTER SHAFT GUARD
14	33858	24	SPACER,COLLAR
15	33857	24	SHOULDER,BUSHING
16	46399.01	24	KNIFE,FLAIL,FORGED
17	33854	24	CAPSCREW,5/8" X 4-1/2",NC
18	32674	24	HEX NUT,5/8",NC
19	21838	1	CAPSCREW,3/4" X 3-1/2",NC
20	21825	1	HEX NUT,5/8",NC
21	21732	8	CAPSCREW,1/2" X 1-3/4",NC
22	21731	6	CAPSCREW,1/2" X 1-1/2",NC
23	21990	18	LOCKWASHER,1/2"
24	21725	10	HEX NUT,1/2",NC
25	6T2270	12	PLOWBOLT,3/8" X 1",NC
26	21631	2	CAPSCREW,3/8" X 1-1/4",NC
27	21630	5	CAPSCREW,3/8" X 1",NC
28	21988	7	LOCKWASHER,3/8"
29	21625	23	HEX NUT,3/8",NC
30	22016	30	FLATWASHER,3/8"
31	21633	9	CAPSCREW,3/8" X 1-3/4",NC
32	6T7031D	4	PLOW BOLT,1/2" X 1-1/2",NC
33	6T2330	8	CAPSCREW,7/16" X 1-1/2",NC,SCKT HD
34	6T1023R	2	NYLOCK NUT,1-1/8",NF
35	TF1032	1	FLANGE BEARING GREASE HOSE
36	31204	2	STRING GUARD SET (2 PIECES PER SET)

COMMON BENGAL T4

63IN FLAIL DRIVE ASSEMBLY

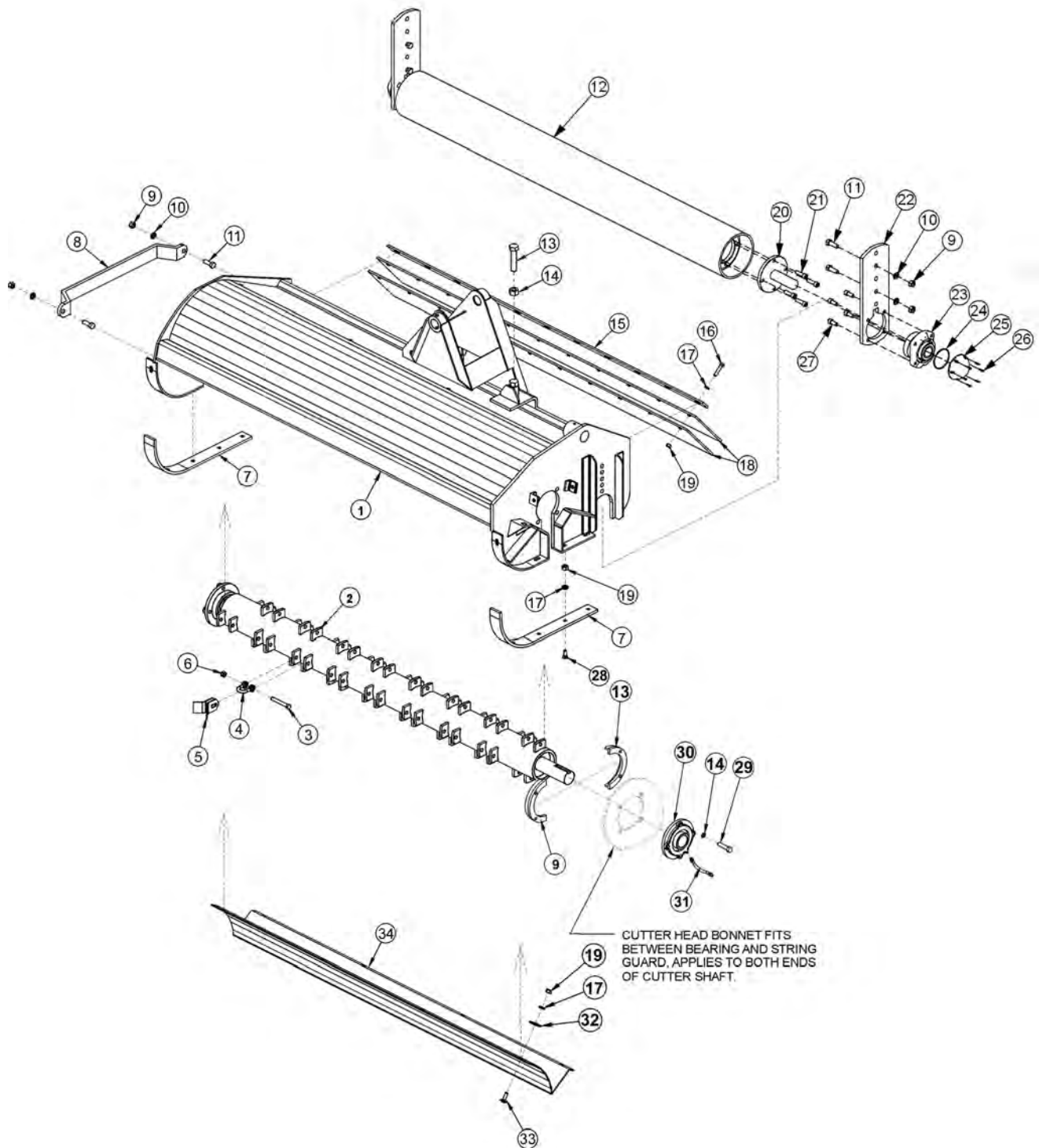


63IN FLAIL DRIVE ASSEMBLY

Continued...

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



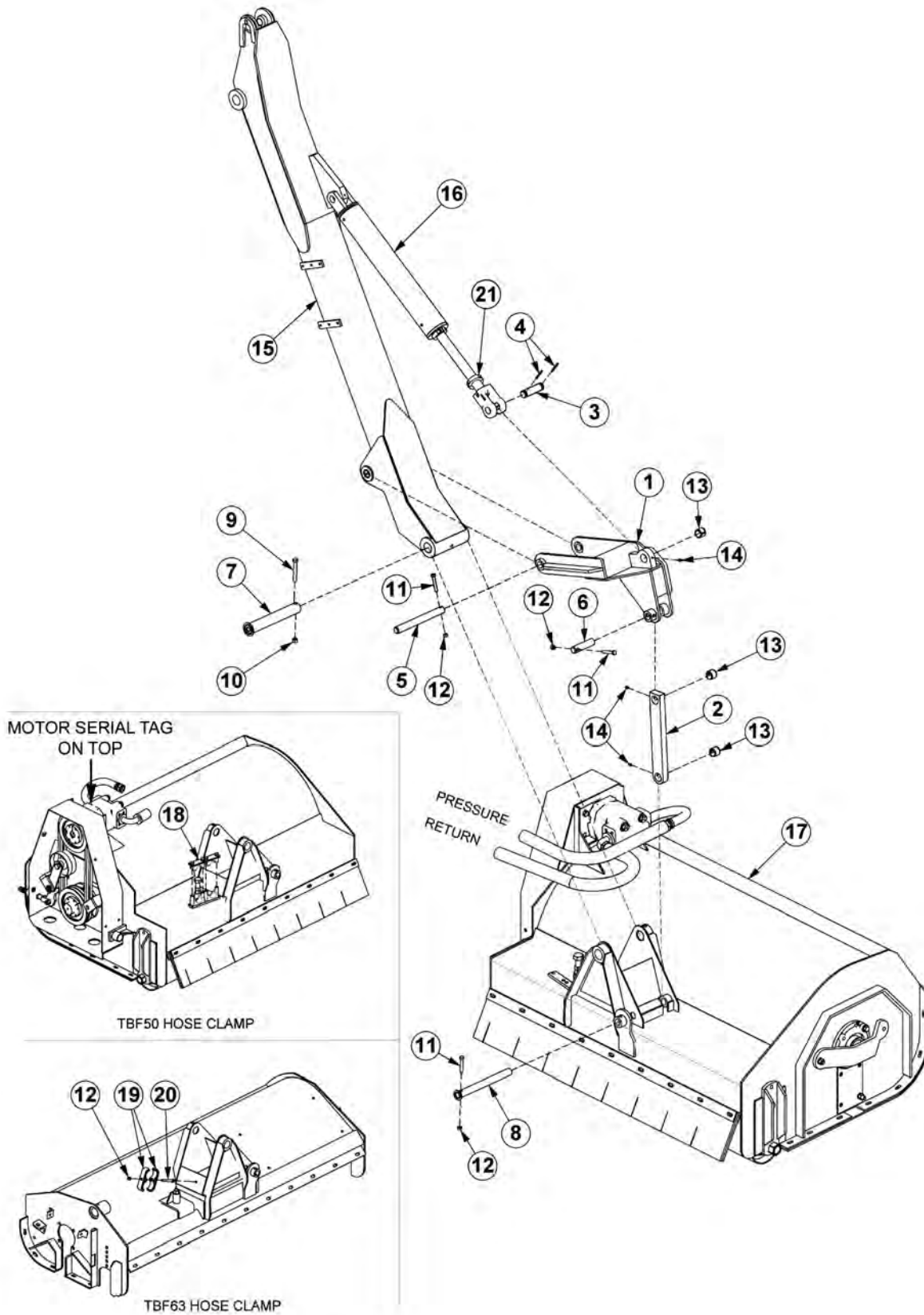
63IN FLAIL MOWER ASSEMBLY

Continued...

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	06320240	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)

COMMON BENGAL T4

BOOM FLAIL PIVOT ASSEMBLY

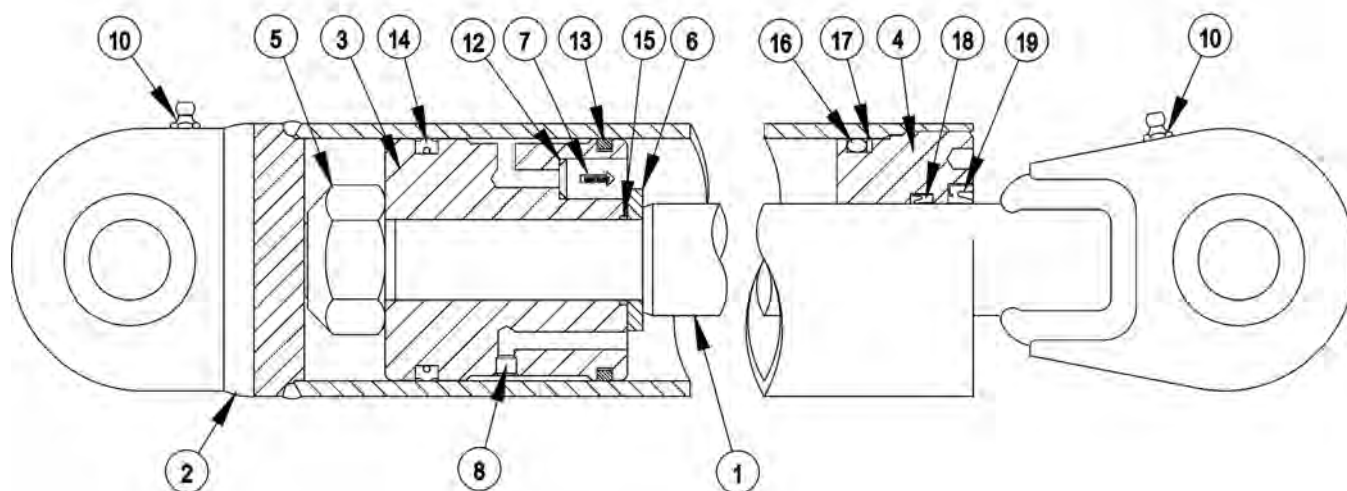


BOOM FLAIL PIVOT ASSEMBLY

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	TB5030	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

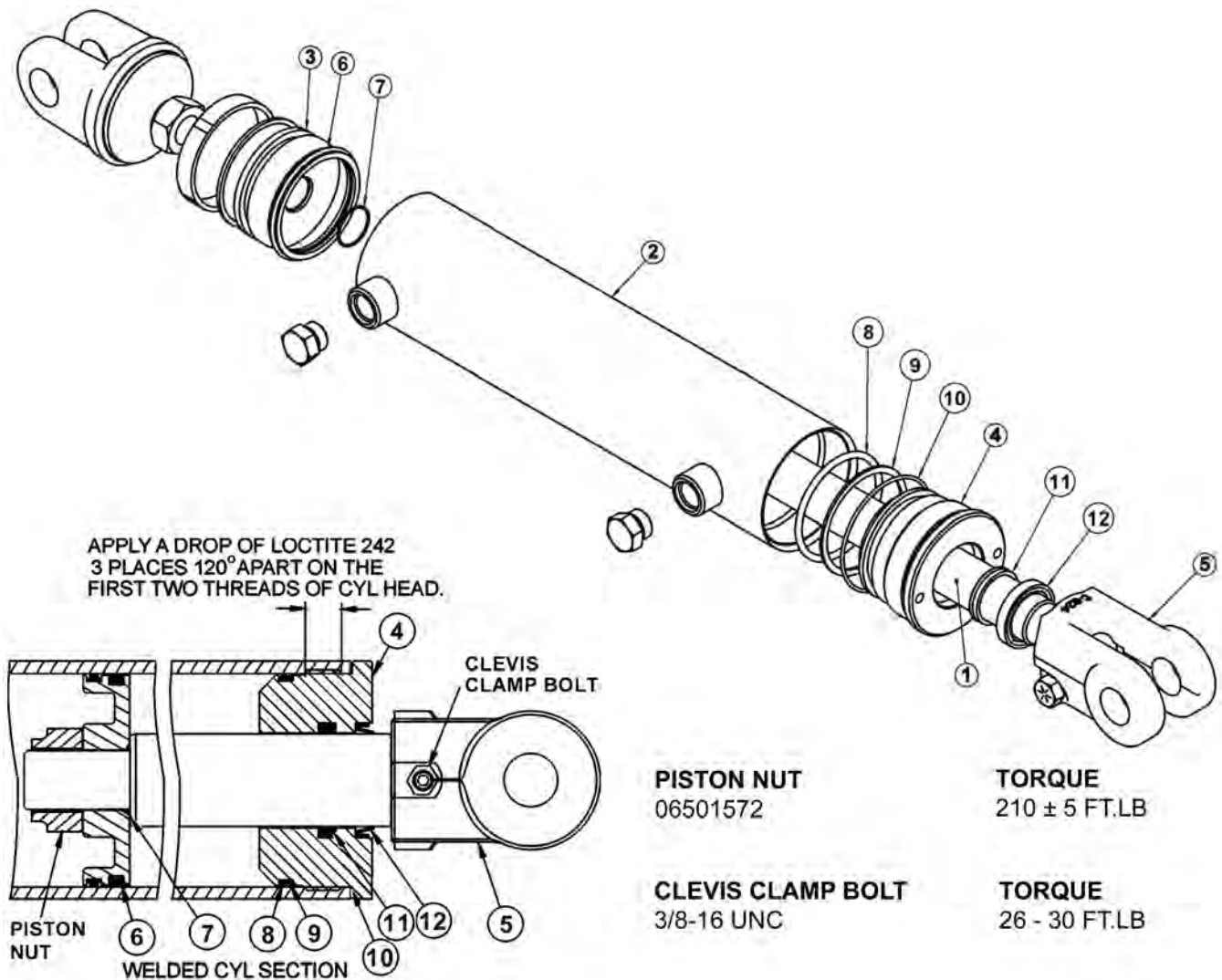
3IN X 13-7/8 IN WELDED CYLINDER BREAKDOWN



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

ITEM	PART NO.	QTY.	DESCRIPTION
---	06501029	-	CYLINDER,WELDED,3" X 13.87"
1	06501630	1	PISTON ROD ASSY
2	06501648	1	BUTT & TUBE ASSY
3	06501649	1	PISTON
4	34574	1	GLAND
5	34575	1	LOCK NUT,1"-14 UNS (TORQUE TO 315 FT.LB.)
6	34576	1	SPACER
7	34577	1	CHECK VALVE,KEPNER
8	06501650	1	ORIFICE, ZERO LEAK, 0225
9	33761	1	SEAL KIT,PACKING (ITEMS 12 THRU 19)
10	-----	2	GREASE ZERK
12	-----	1	O - RING
13	-----	1	CAST IRON PISTON RING
14	-----	1	CROWN SEAL
15	-----	1	O - RING
16	-----	1	O - RING
17	-----	1	BACK - UP WASHER
18	-----	1	U - CUP
19	-----	1	WIPER
20	34334	-	SPHERICAL BEARING (NOT SHOWN)

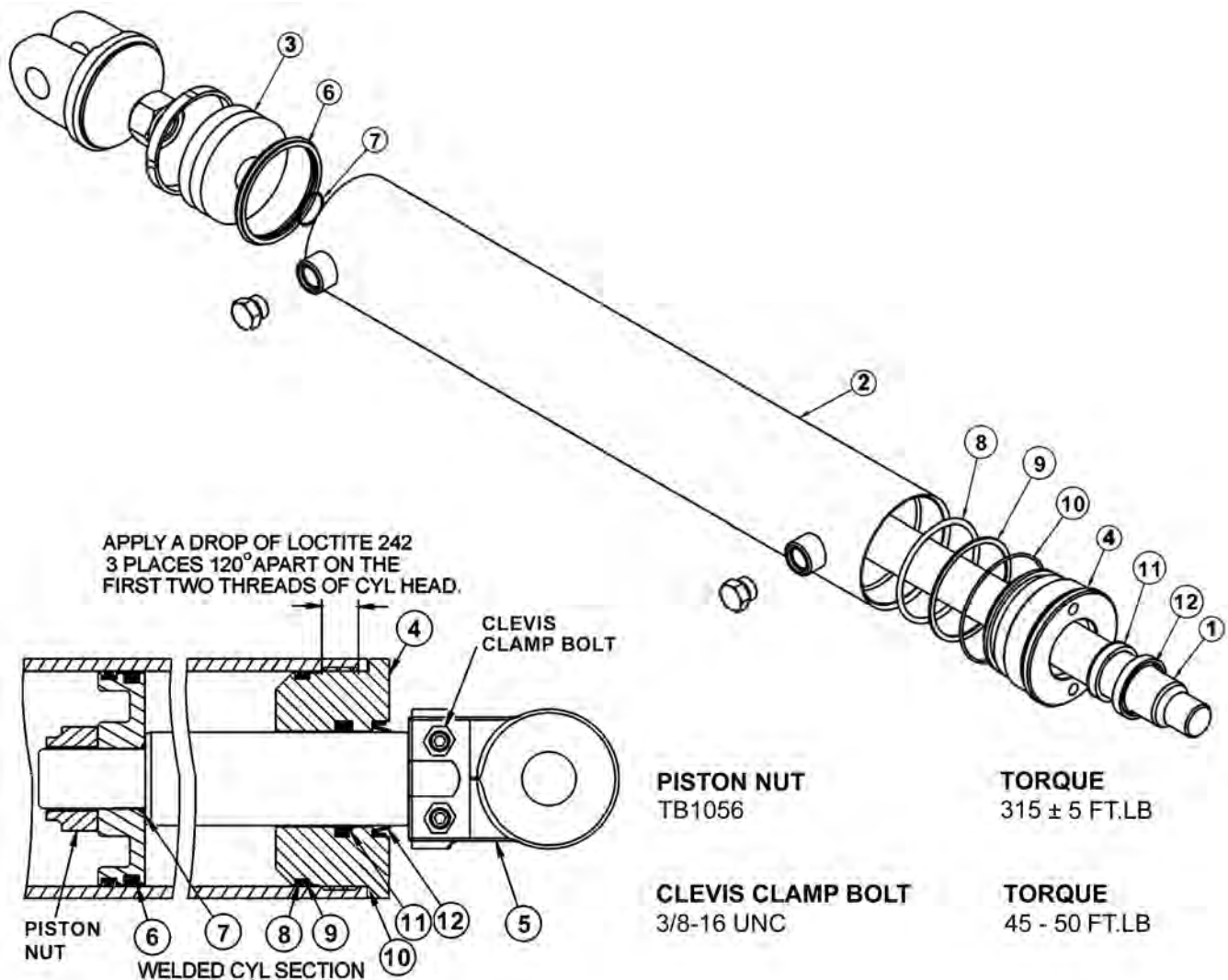
3IN X 18IN WELDED CYLINDER BREAKDOWN



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

ITEM	PART NO.	QTY.	DESCRIPTION
-----	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)

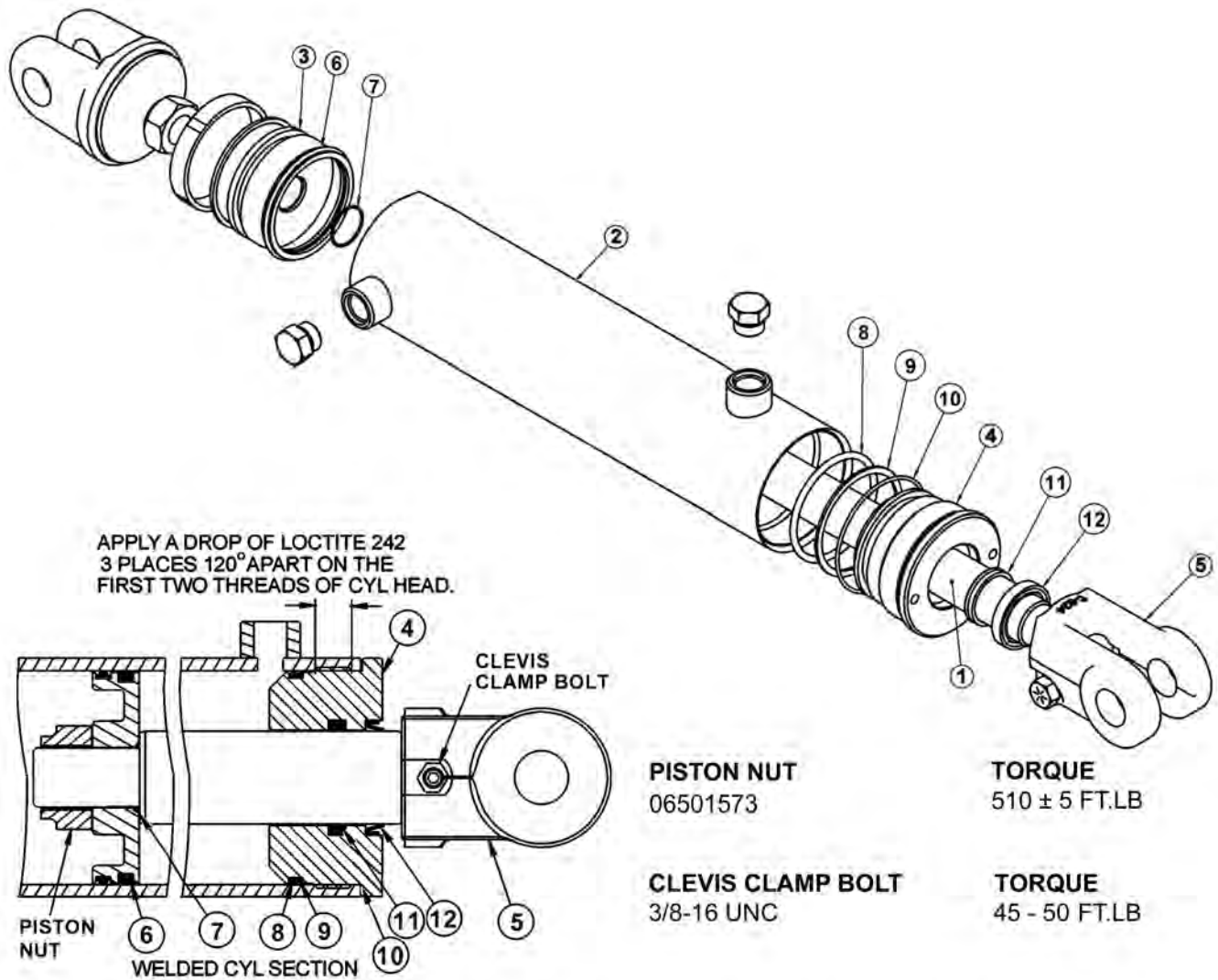
3-1/2IN X 20IN WELDED CYLINDER BREAKDOWN



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

ITEM	PART NO.	QTY.	DESCRIPTION
-----	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)

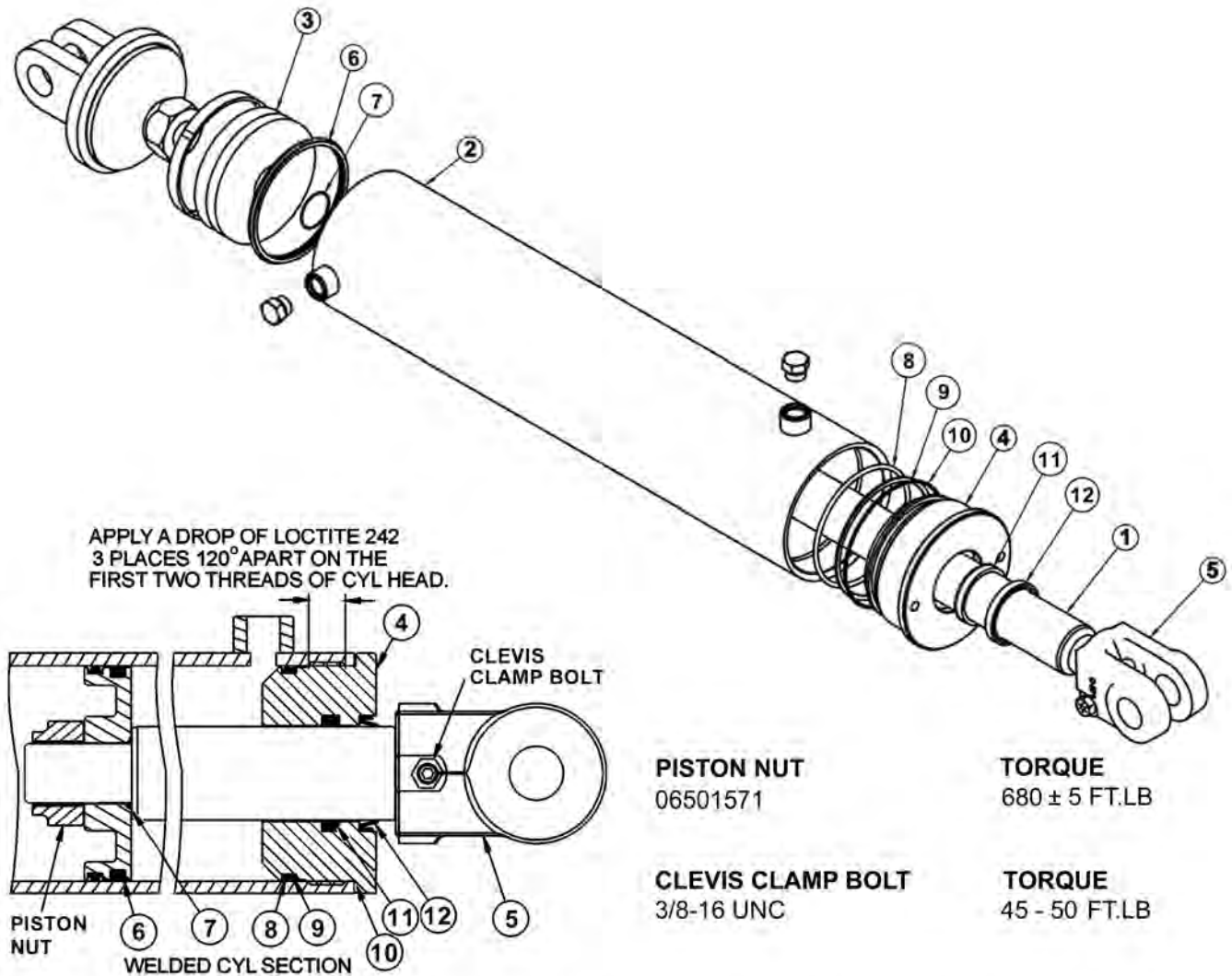
4IN X 20IN WELDED CYLINDER BREAKDOWN



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

ITEM	PART NO.	QTY.	DESCRIPTION
-----	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)

5IN X 20IN WELDED CYLINDER BREAKDOWN



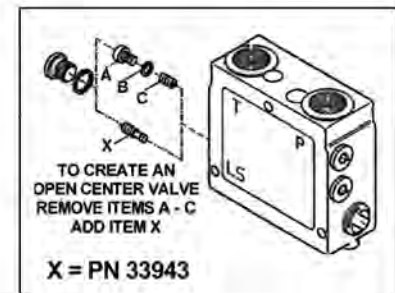
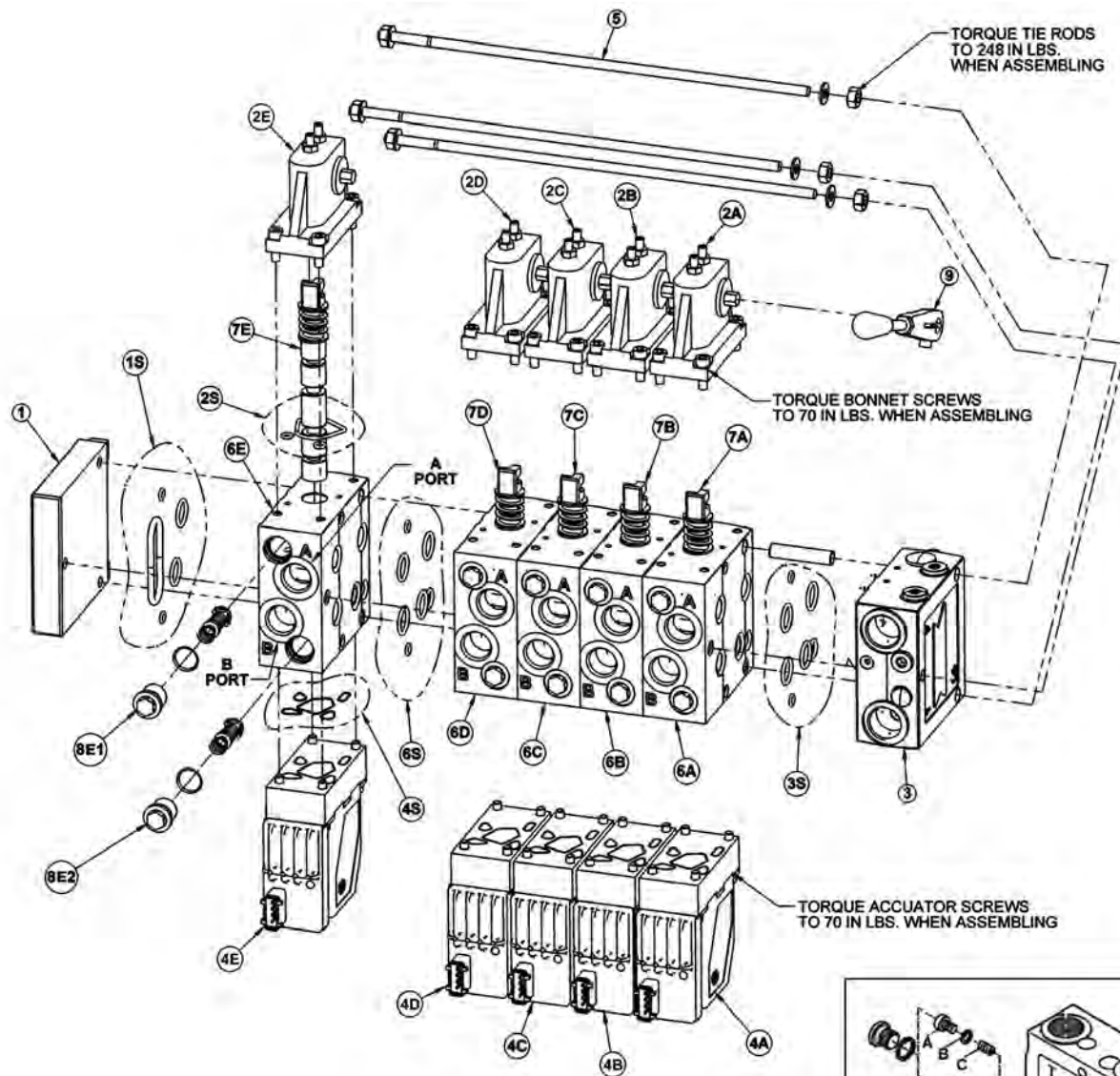
WARNING - MECHANICAL FASTENERS MUST BE TORQUED TO RECOMMENDED SPECIFICATIONS DURING REPAIR TO PREVENT PERSONAL INJURY OR EQUIPMENT DAMAGE.

ITEM	PART NO.	QTY.	DESCRIPTION
-----	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)

NOTES

NOTES

5 SPOOL ELECTRONIC VALVE - OPEN STOW,3PS



ITEM	PART NO.	QTY.	DESCRIPTION
----	06700224	-	VALVE, 5SP, OS
-----	06502097	-	VALVE, SUB-ASSEMBLY
1	06502074	1	END PLATE
1S	06505013	1	END PLATE SEAL KIT
2	-----	5	BONNET
2S	06505042	1	BONNET SEAL KIT

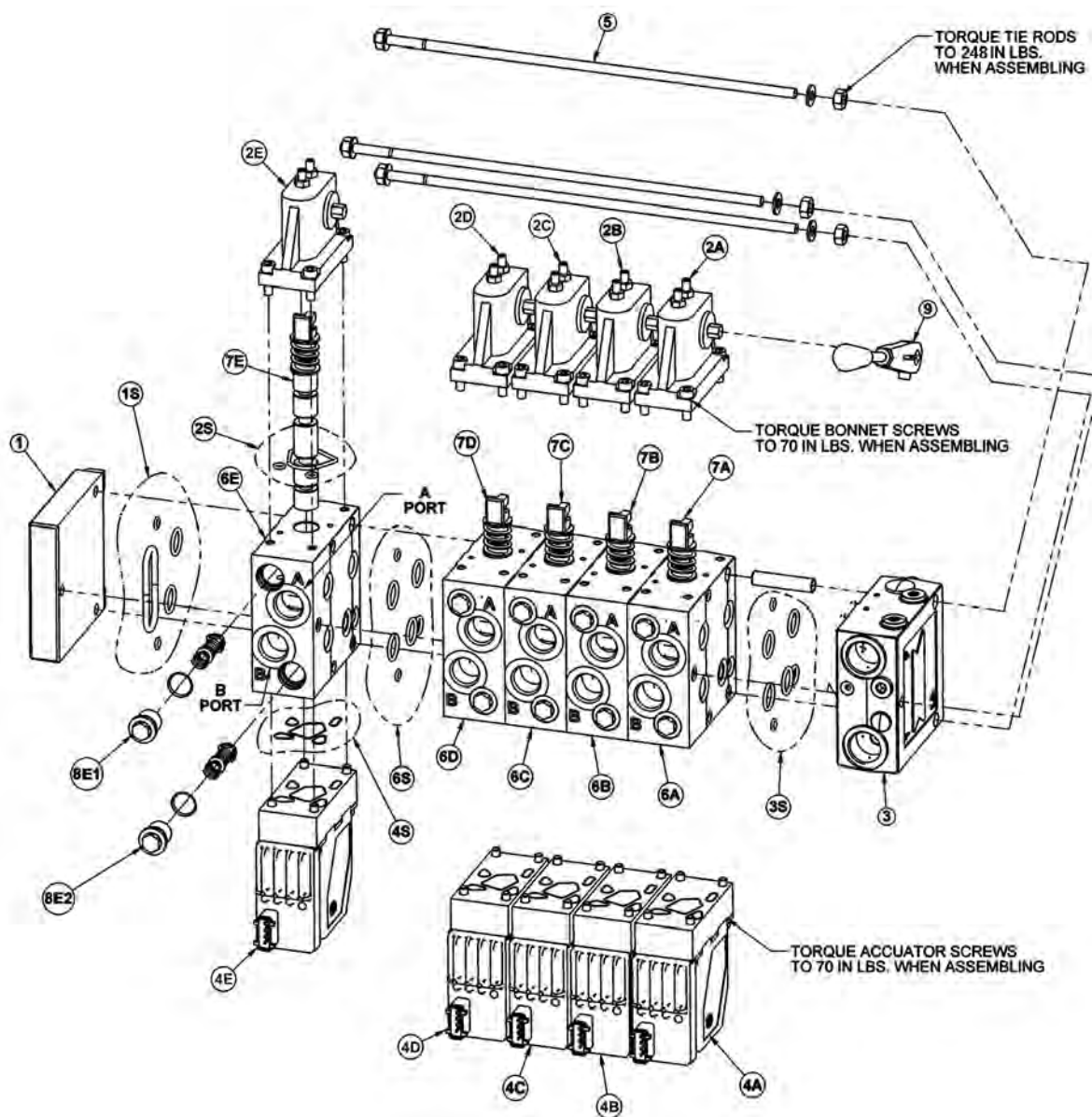
5 SPOOL ELECTRONIC VALVE - OPEN STOW,3PS

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
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
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

COMMON BENGAL T4

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

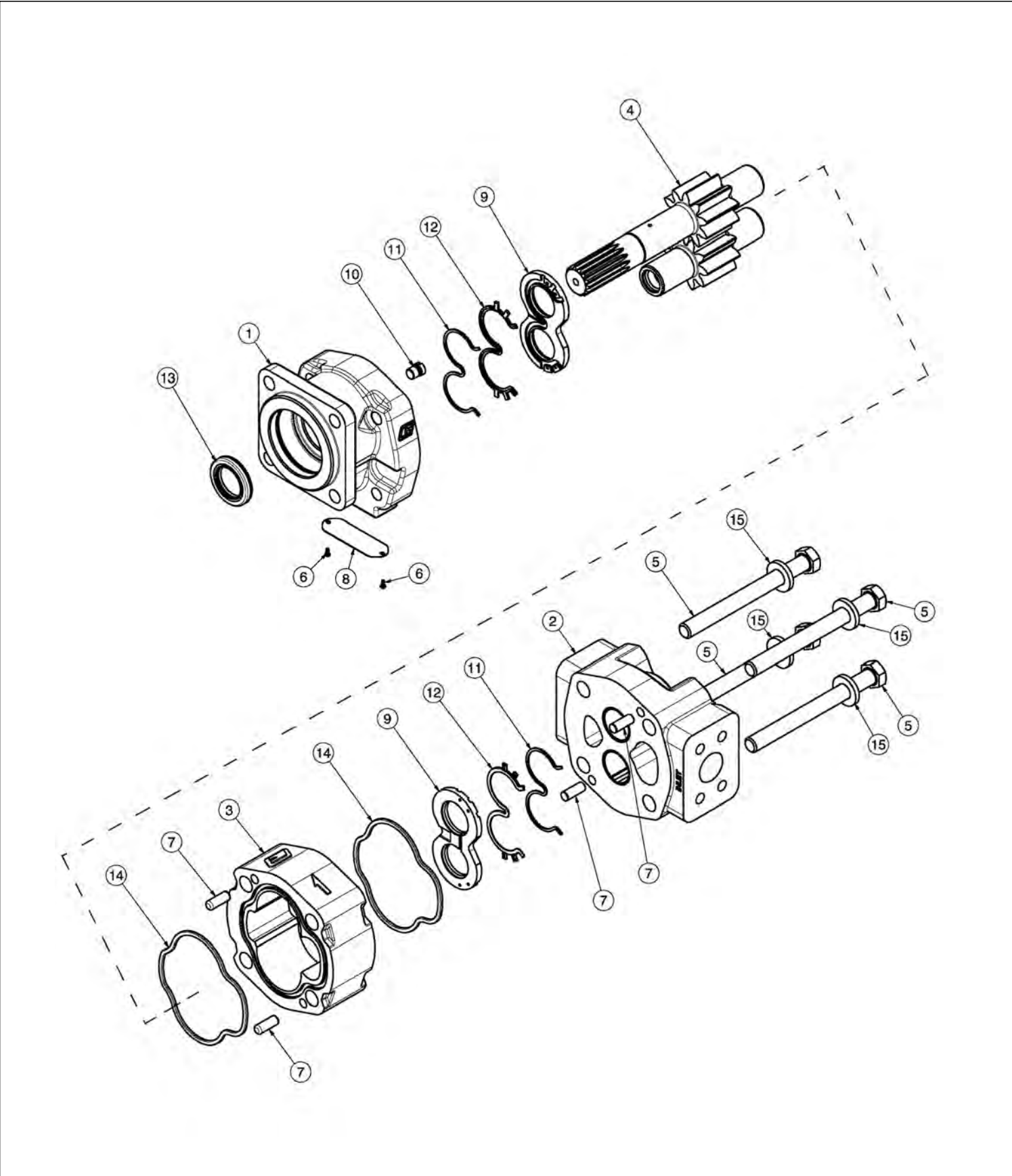
5 SPOOL ELECTRONIC VALVE - SIDE STOW

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

COMMON BENGAL T4

FRONT HYDRAULIC PUMP



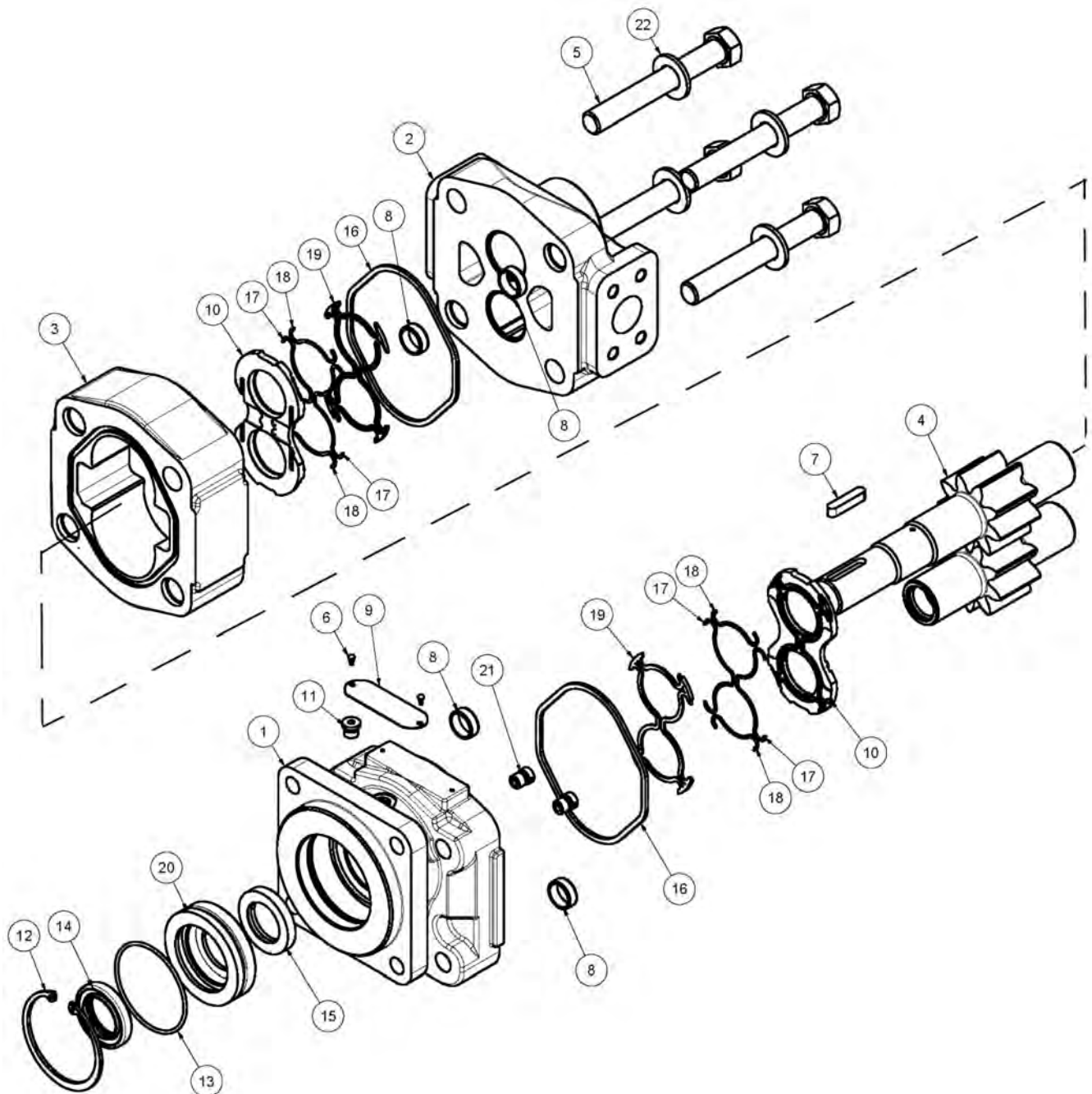
COMMON BENGAL T4

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

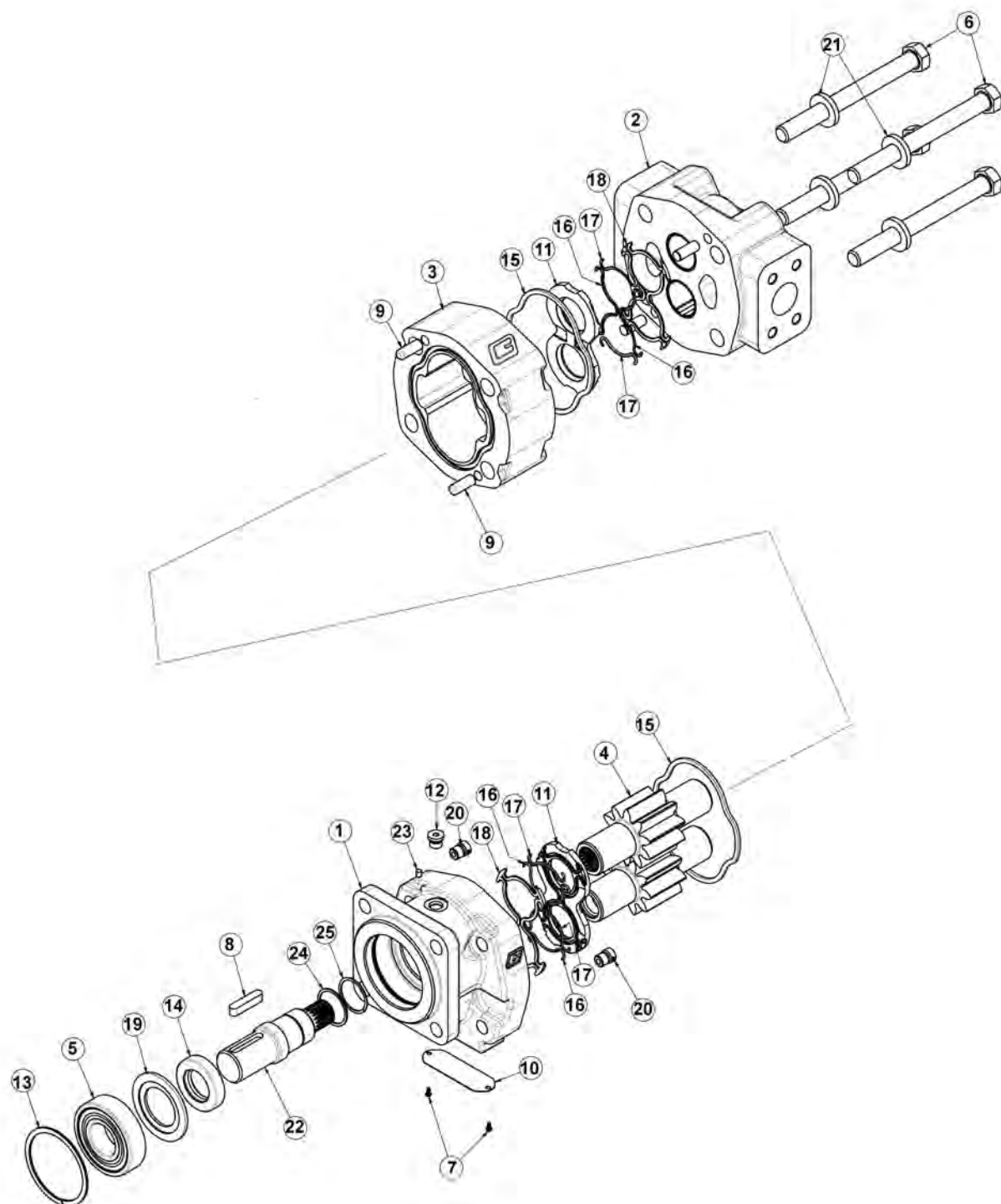


50IN AND 60IN ROTARY MOTOR BREAKDOWN

Continued...

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

FLAIL MOTOR BREAKDOWN



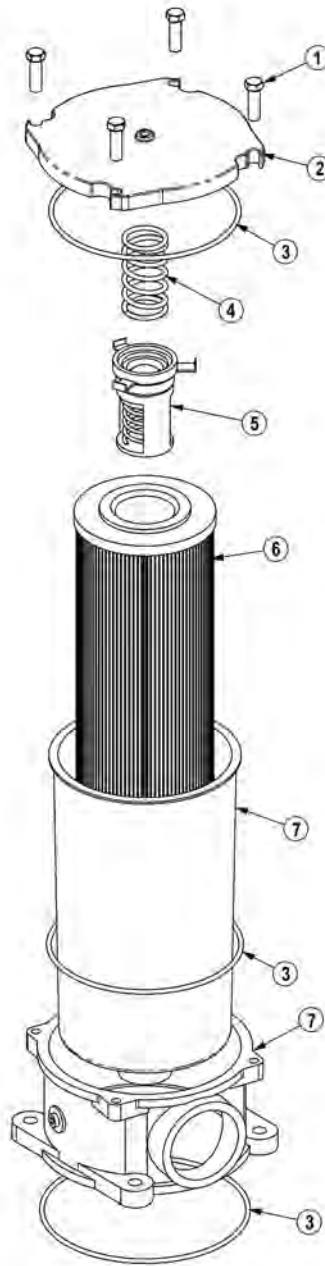
FLAIL MOTOR BREAKDOWN

Continued...

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
*	06504116	-	SEAL KIT

COMMON BENGAL T4

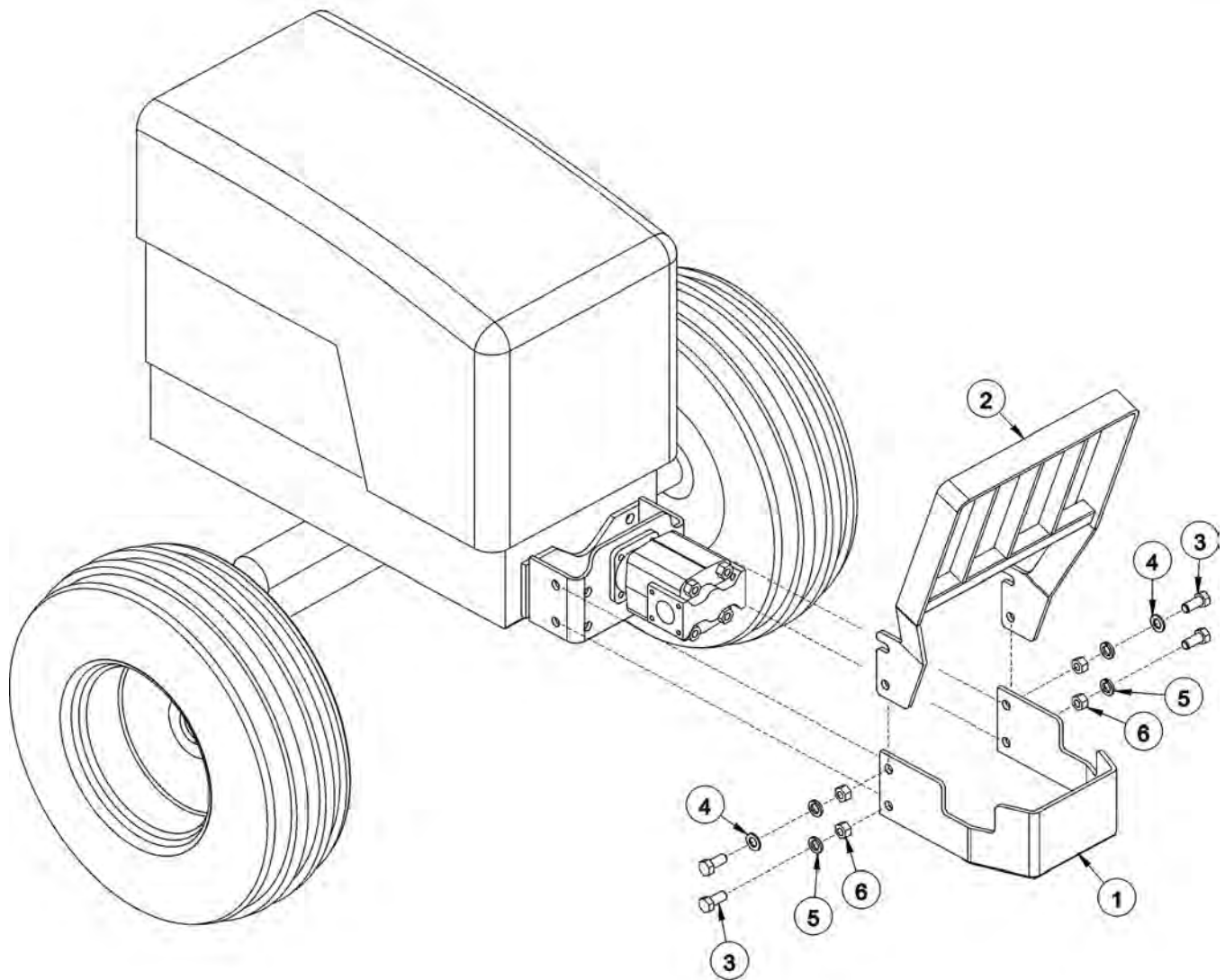
RESERVOIR TANK FILTER ASSEMBLY



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

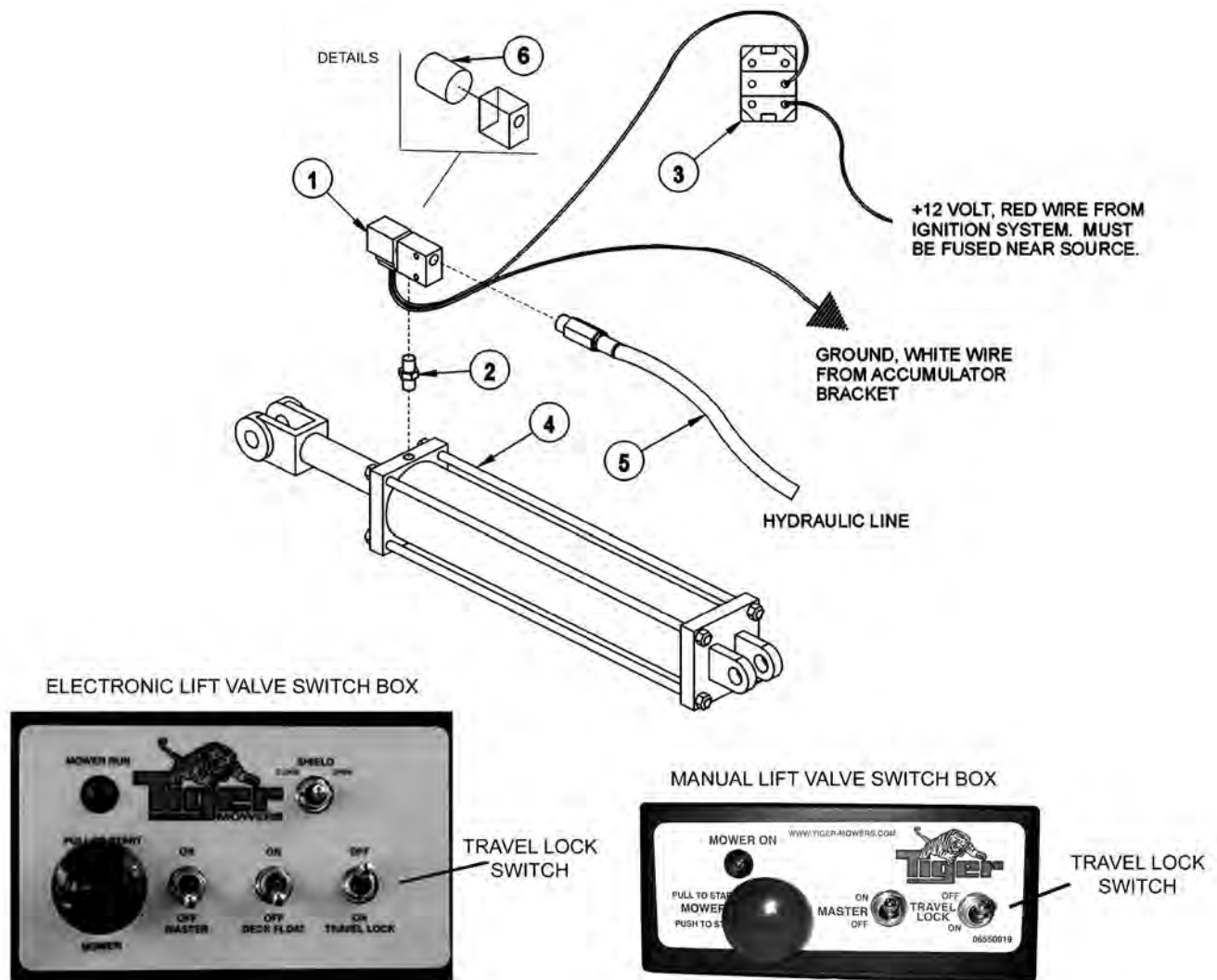
COMMON BENGAL T4

PUMP AND GRILL GUARD OPTIONS



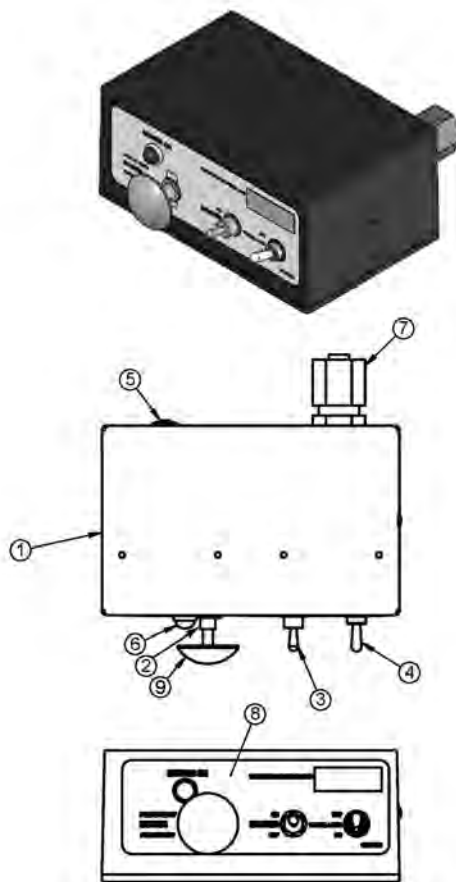
ITEM	PART NO.	QTY.	DESCRIPTION
1	32430	1	UNIVERSAL PUMP GUARD
2	32737	1	UNIVERSAL GRILL GUARD
3	21833	4	CAPSCREW, 3/4" X 2-1/4", NC
4	22021	2	FLATWASHER, 3/4"
5	21993	4	LOCKWASHER, 3/4"
6	21825	4	HEX NUT, 3/4", NC

BOOM TRAVEL LOCK



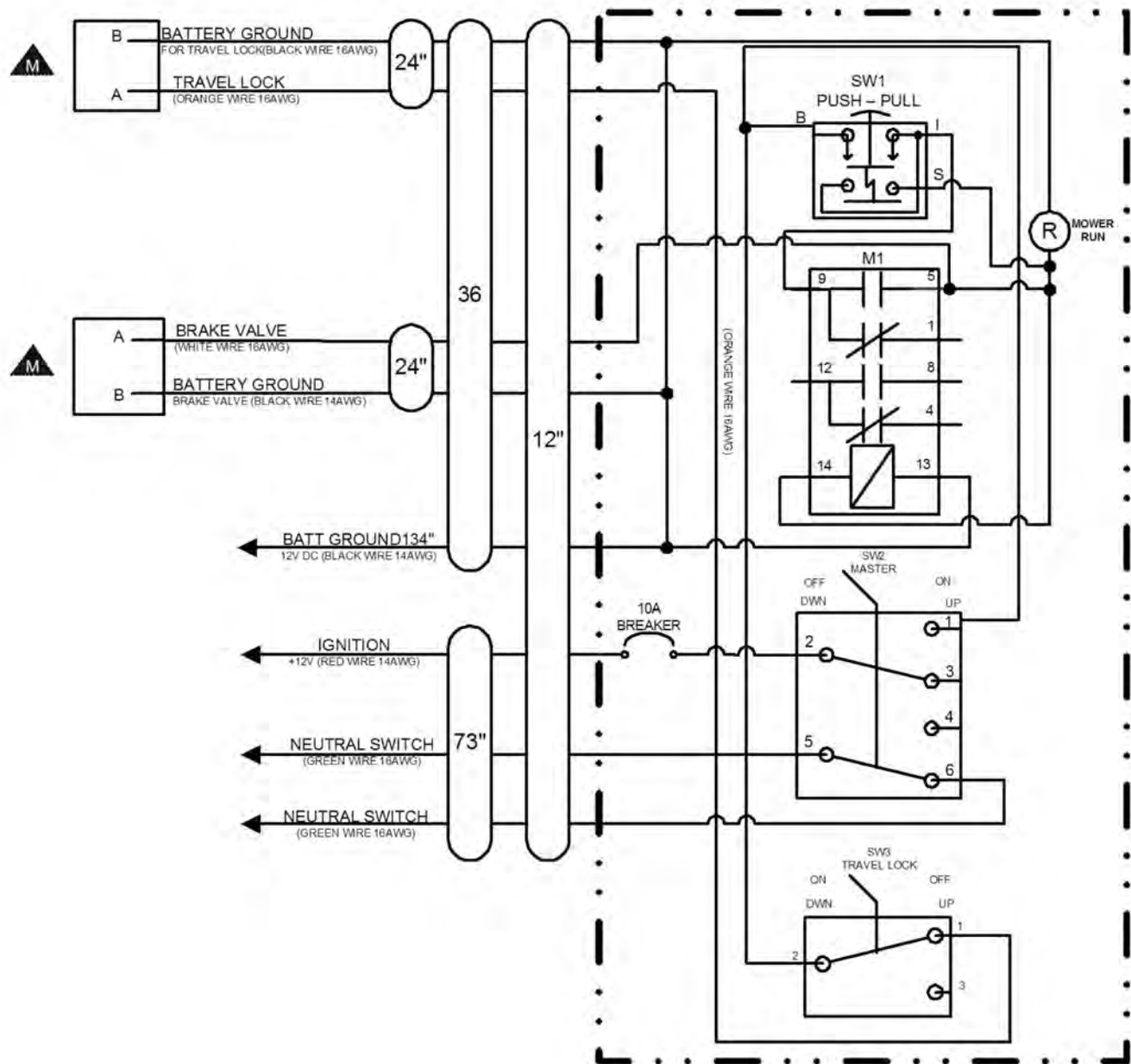
ITEM	PART NO.	QTY.	DESCRIPTION
1	06510050	1	HYDRAULIC TRAVEL LOCK VALVE
2	31329	1	ADAPTER - STANDARD BOOM
-----	31611	1	ADAPTER - EXTENDED BOOM
3	34532	1	SWITCH,TRAVEL LOCK
4	-----	-	MAIN BOOM CYLINDER *REFER TO BOOM ASSY
5	-----	-	HOSE / FITTINGS *REFER TO BOOM HYD ASSY
6	06510092	1	COIL ,TRAVEL LOCK

MANUAL LIFT VALVE SWITCH BOX

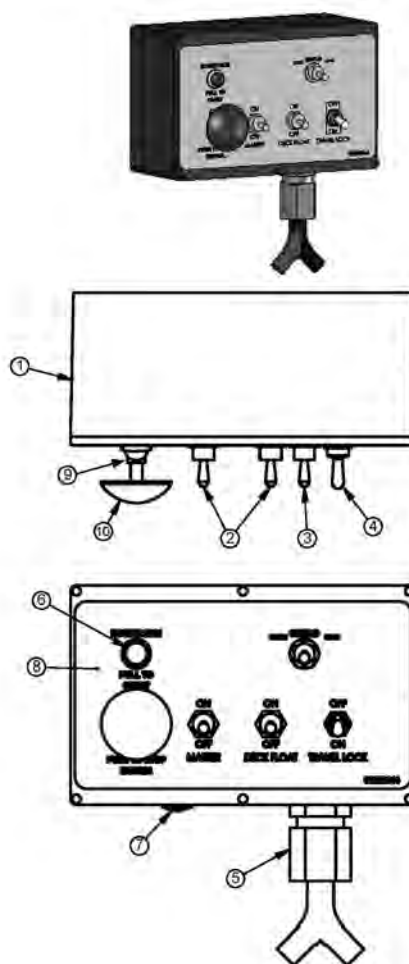


ITEM	PART NO.	QTY.	DESCRIPTION
1	06514012	1	SWBX,ALUM,BLK,06510100
2	35226	1	SWITCH,MOWER,COLEHERSEE
3	33811	1	SWITCH,MASTER/DECK FLOAT
4	34532	1	SWITCH,TRVL LCK
5	06514014	1	BREAKER,10A,SWBX
6	6T3923	1	INDICTATOR LIGHT,ON,RED
7	34540	1	STRAIN RELIEF,3/4,BLACK,NYLON
8	06550019	1	DECAL,SWTCHBX,BOOM,CG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

MANUAL LIFT VALVE SCHEMATIC

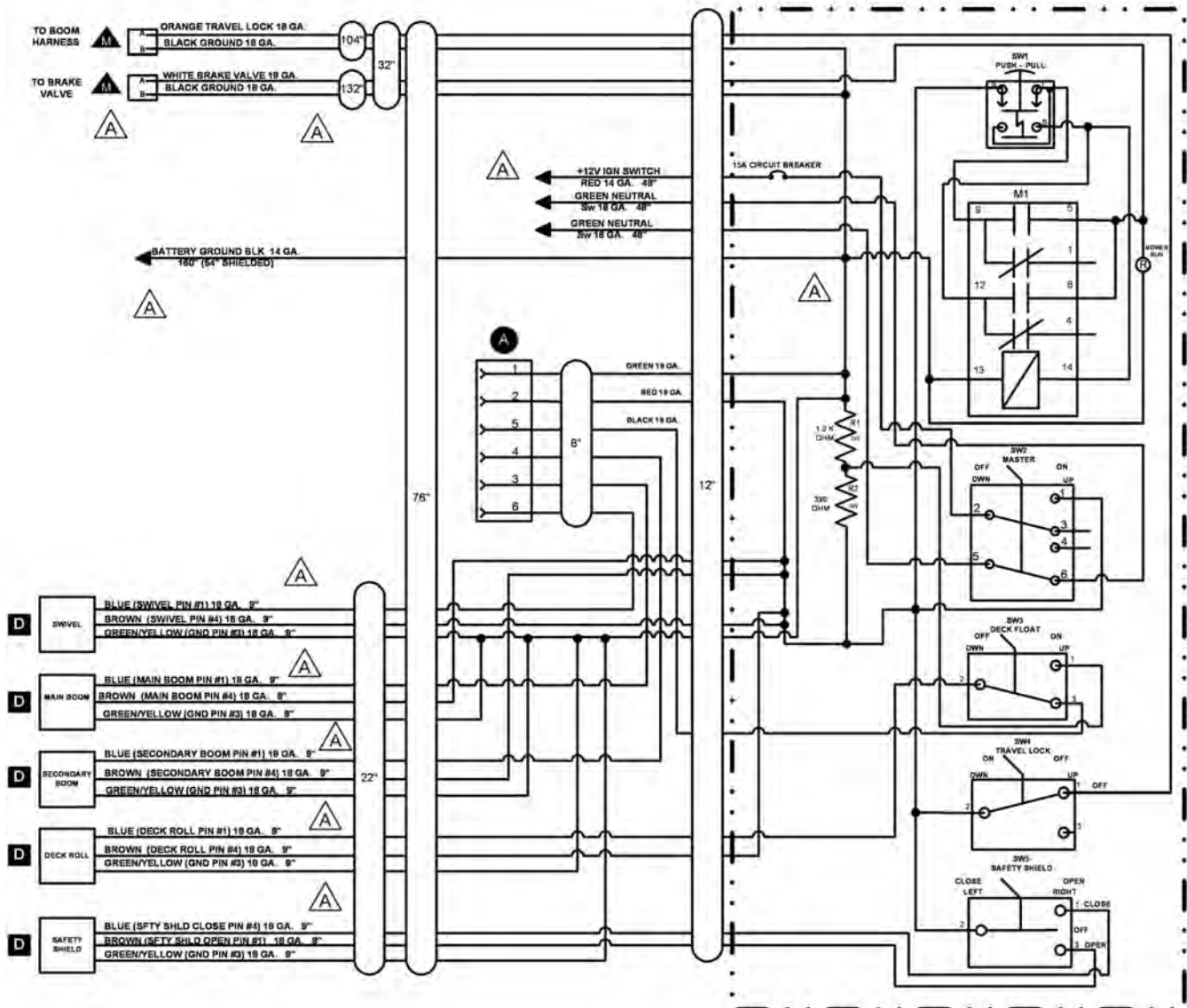


ELECTRONIC LIFT VALVE SWITCH BOX

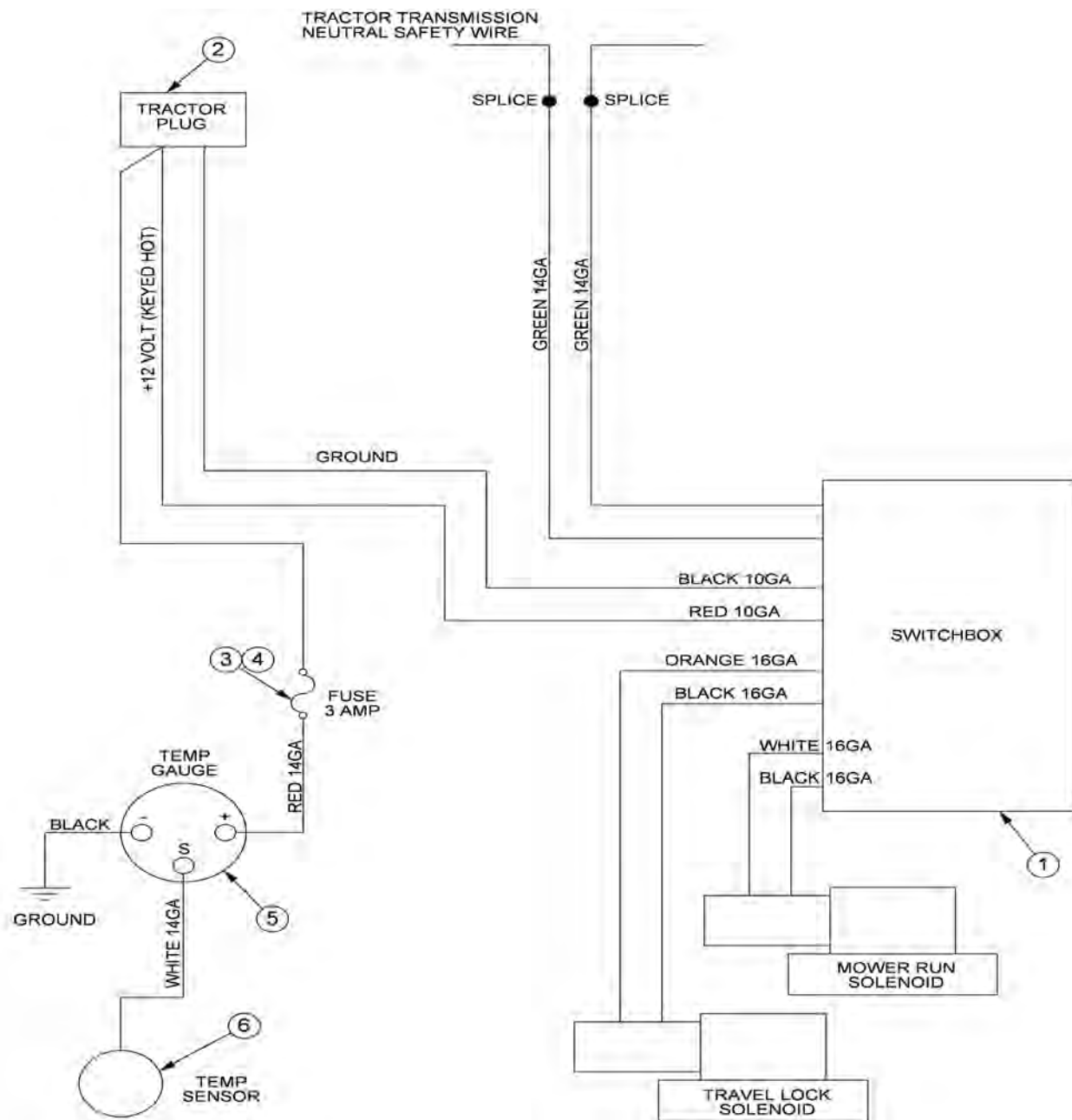


ITEM	PART NO.	QTY.	DESCRIPTION
1	06510196	1	SWBX,ASSY
2	33811	2	SWITCH,MASTER/DECK FLOAT
3	33813	1	SWITCH,SFTY SHIELD
4	34532	1	SWITCH,TRVL LCK
5	34540	1	STRAIN RELIEF,3/4",BLACK,NYLON
6	6T3923	1	INDICTATOR LIGHT,ON,RED
7	06514006	1	BREAKER,15A,SWBX
8	06550044	1	DECAL,SWBX,06510047
9	35226	1	SWITCH,MOWER,COLEHERSEE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

ELECTRONIC LIFT VALVE SCHEMATIC

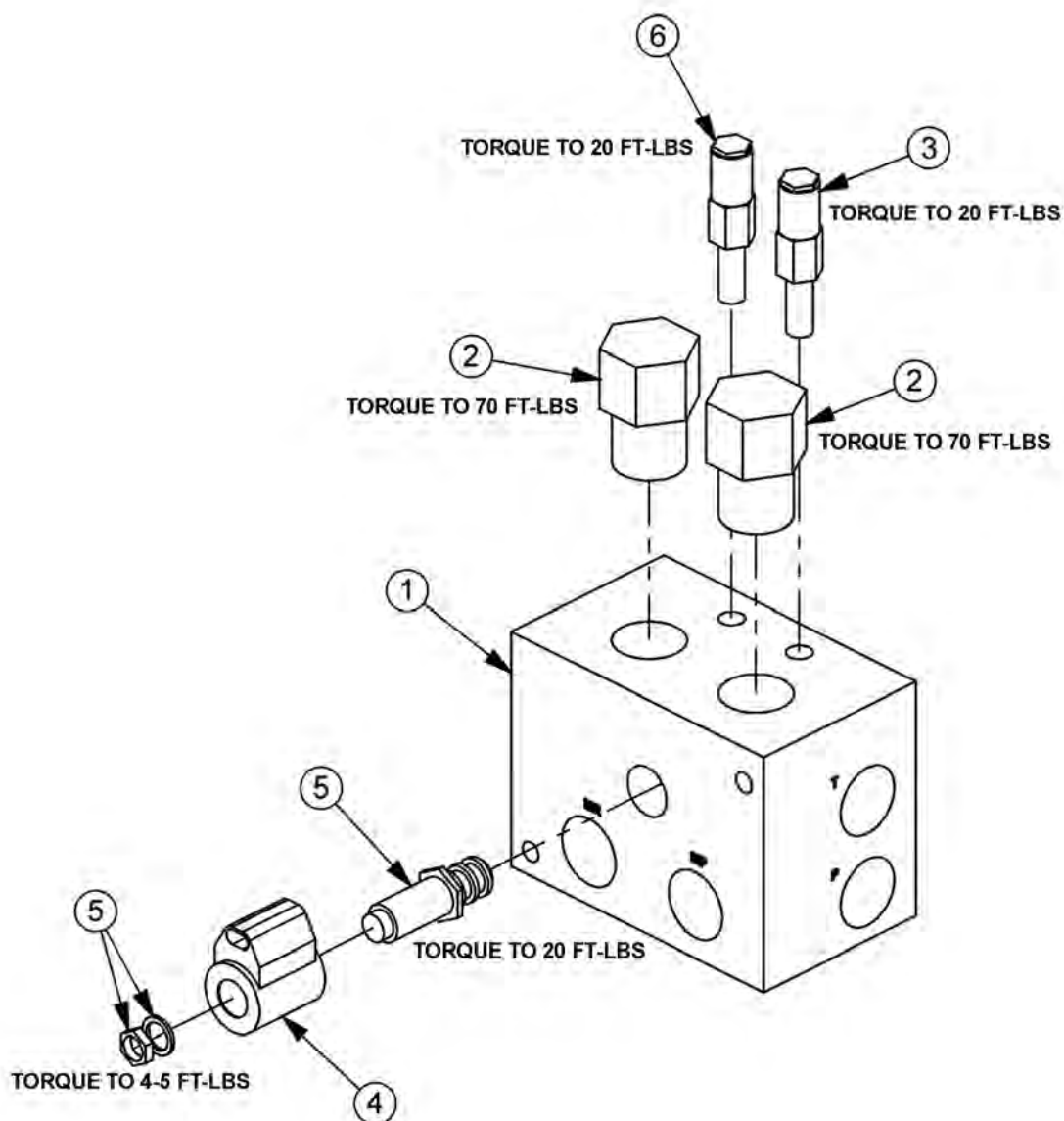


SOLENOID SWITCH BOX AND WIRING



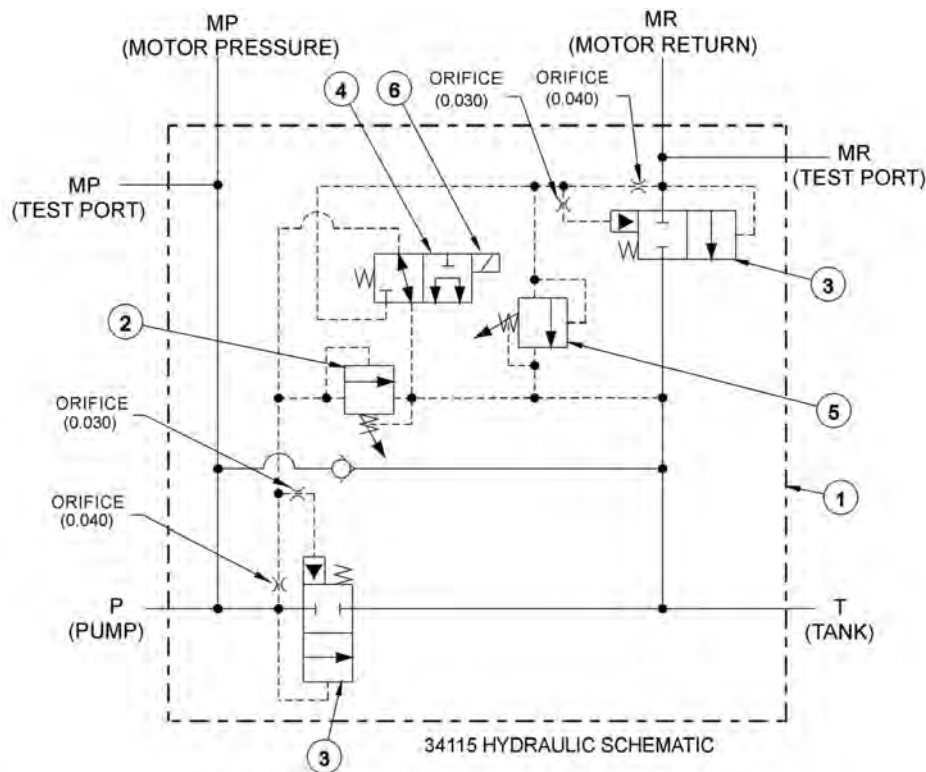
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	SWITCH BOX
2	RE37651	1	PLUG,AUX PWR
3	24204	-	FUSE HOLDER,IN-LINE (OPTION)
4	6T3965	-	FUSE,3AMP (OPTION)
5	6T3934	-	TEMPERATURE GAUGE (OPTION)
6	6T3931	-	TEMPERATURE SENSOR (OPTION)

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

BRAKE VALVE HYDRAULIC SCHEMATIC



BRAKE VALVE TROUBLESHOOTING

FAILURE MODE:

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

CHECK STEPS

1 thru 6

7

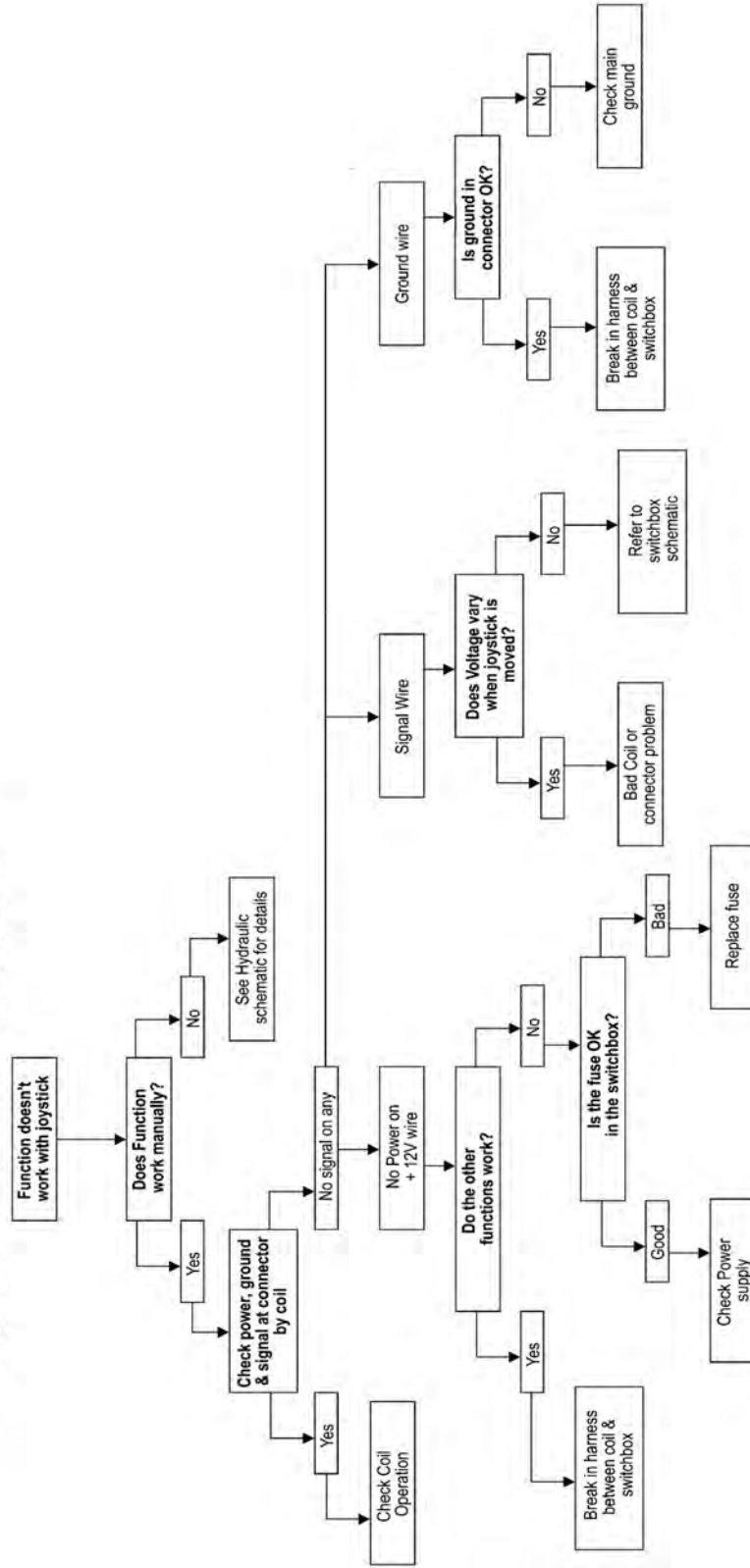
3 thru 5

7 thru 9

CORRECTIVE STEPS:

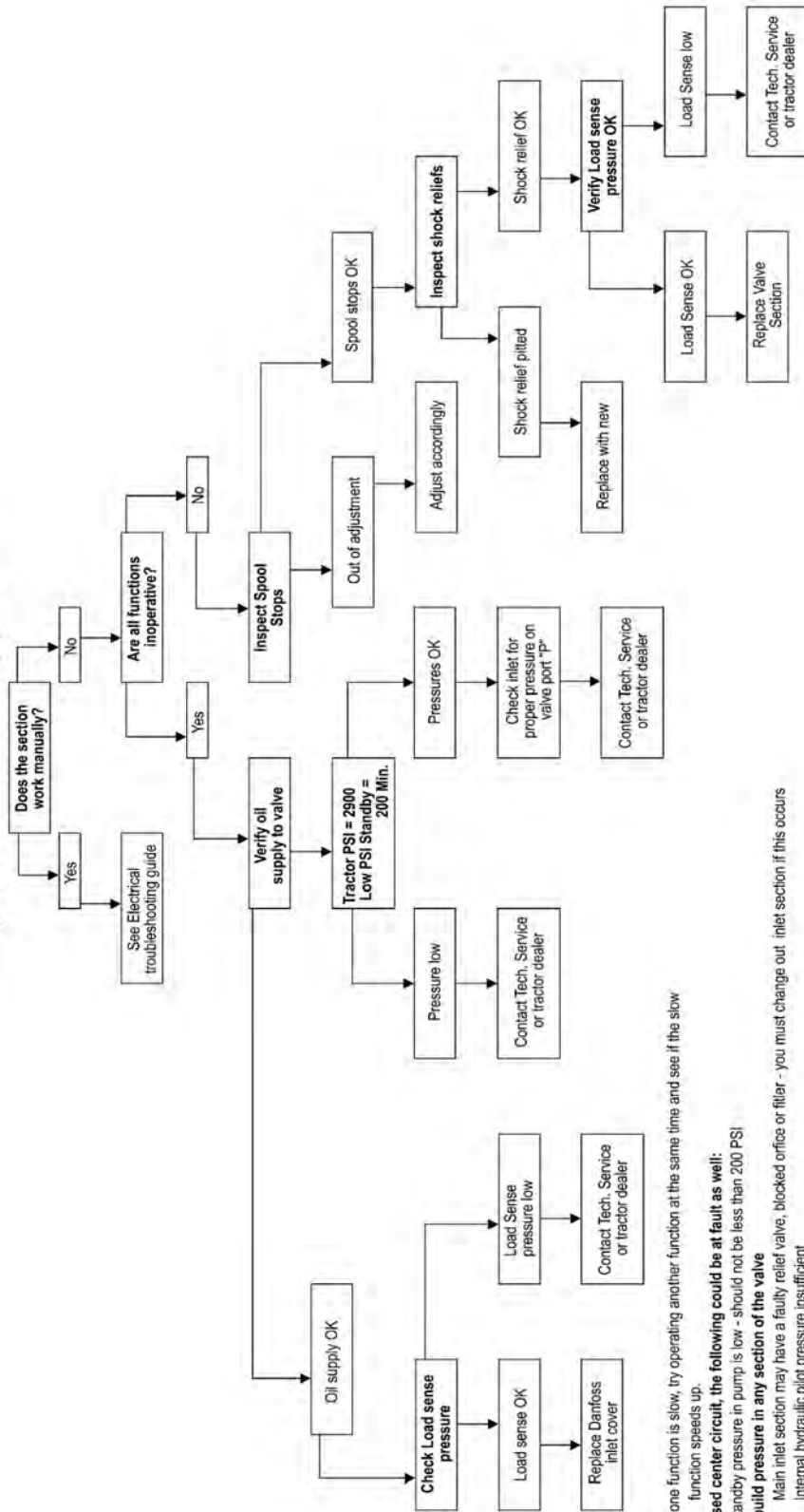
1. Check for voltage at solenoid (item 6), voltage must be between 10.2 volts and 13.8 volts.
2. Remove, inspect solenoid and cartridge (items 4, 6) for wear or contamination.
3. Remove, inspect logic elements near "P" port (item 3) for wear or contamination.
4. Remove, inspect 3000 psi relief valve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

Joystick Electrical Troubleshooting guide



HYDRAULIC TROUBLESHOOTING GUIDE

Hydraulic Troubleshooting guide



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

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

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

Cannot build pressure in any section of the valve

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

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.

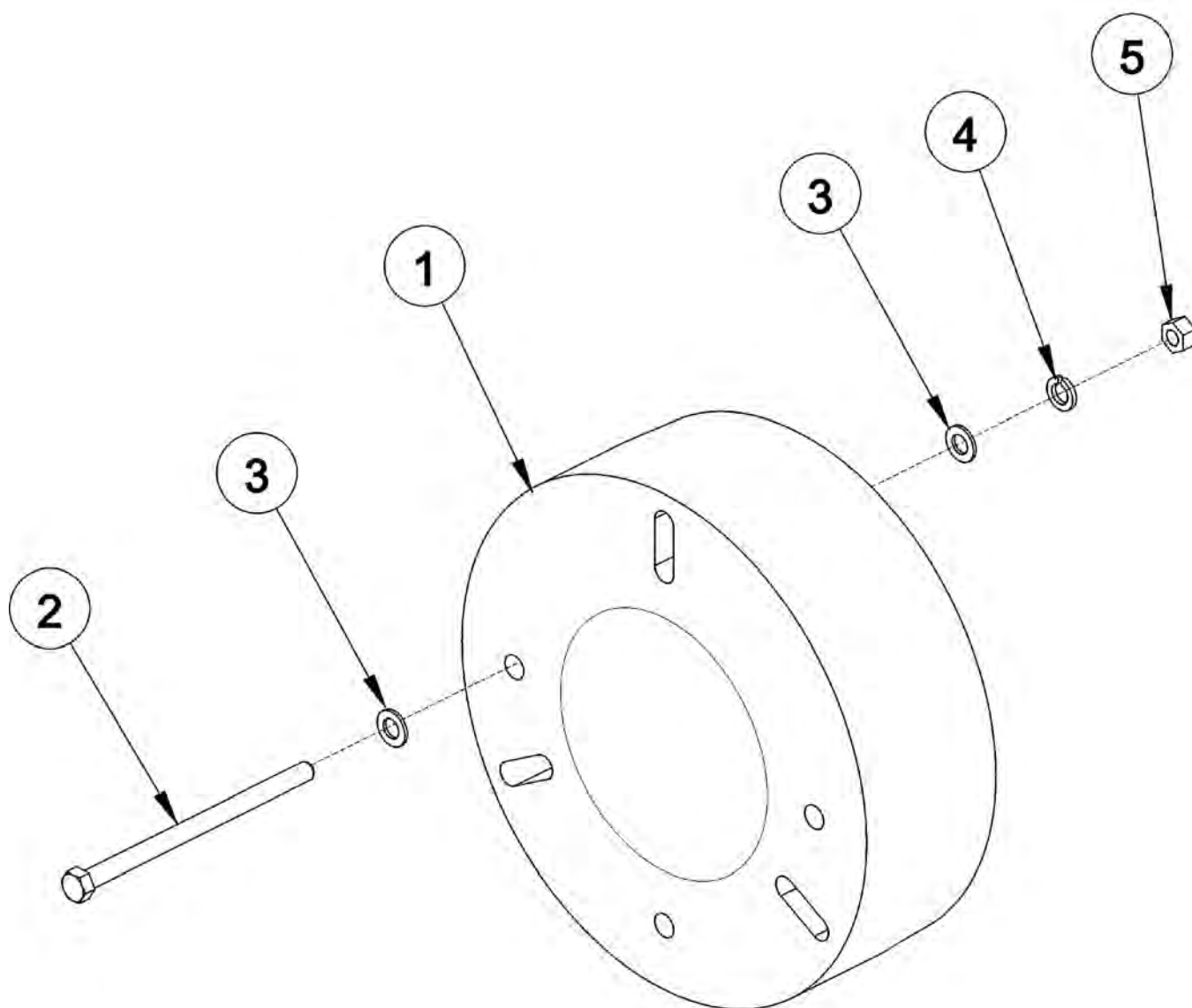
Possible hydraulic problems.

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



TIGER CORPORATION

WARRANTY INFORMATION

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

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

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

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

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

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

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

ONE LAST WORD

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



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

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

