



SABER MOWER

NEW HOLLAND T6000

Current as of € / Fì / 201H

PARTS LISTING WITH MOUNTING AND OPERATING INSTRUCTIONS

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

06022005

TO THE OWNER / OPERATOR / DEALER

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

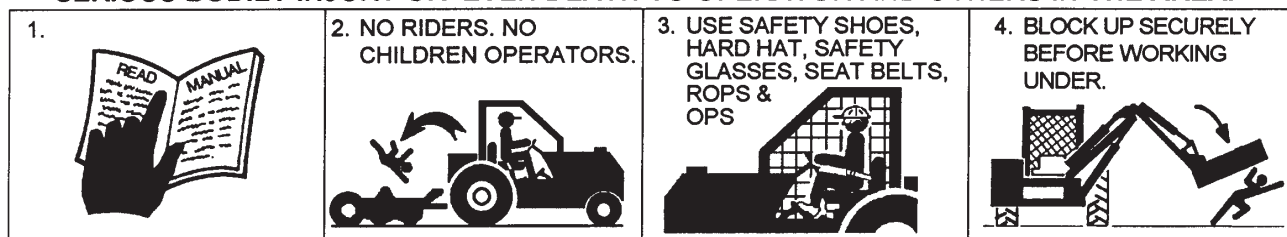
BEFORE YOU START!! Read the safety messages on the implement and shown in this manual. Observe the rules of safety and use common sense!

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



DANGER

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



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

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

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

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

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

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

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

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

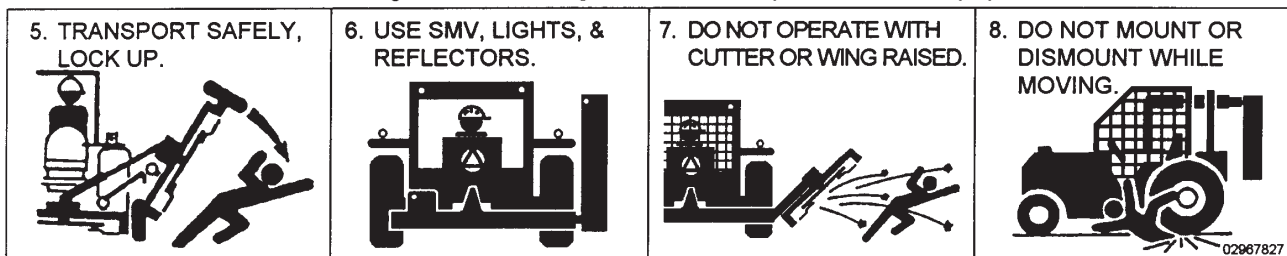
6. Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.

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

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

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

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



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

FORWARD

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

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

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

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

- Classify the problem
 - Hydraulic, electrical or mechanical - Read the trouble shooting section
 - Tractor or Truck chassis - Contact vehicle dealer

- If unable to correct the problem yourself, contact your local Tiger Dealer after gathering:
 - Machine model _____
 - Serial number _____
 - Dealer name _____
 - Detailed information about the problem including results of troubleshooting

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

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

MANUFACTURED BY:

Tiger Corporation

3301 N. Louise Ave.

Sioux Falls, SD 57107

1-800-843-6849

1-605-336-7900

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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.



G5 : 9HM

G5 : 9HM
G97 HCB

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SAFETY INSTRUCTIONS



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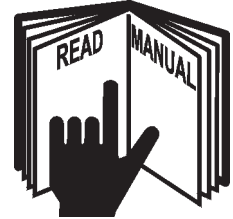


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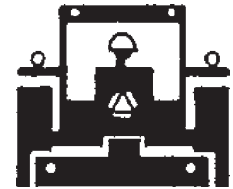


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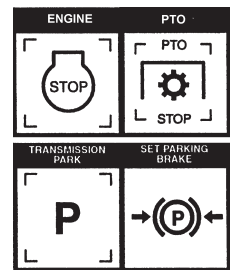


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85B; 9F°



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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.

<p>1. READ MANUAL</p>	<p>2. NO RIDERS, NO CHILDREN OPERATORS</p>	<p>3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, & ROPS</p>	<p>4. BLOCK UP SECURELY BEFORE WORKING UNDER</p>
<p>5. TRANSPORT SAFELY, LOCK UP</p>	<p>6. USE SMV, LIGHTS, & REFLECTORS</p>	<p>7. DO NOT OPERATE WITH MOWER OR WING RAISED</p>	<p>8. DO NOT MOUNT OR DISMOUNT WHILE MOVING</p>

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 **Resistor 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.

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

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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.

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DANGER

CUTTING BLADES



THROWN OBJECTS



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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.

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 **CAUTION**
WATCH YOUR
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POLYCARBONATE
WINDOW
REFER TO OPERATORS MANUAL
FOR CLEANING INSTRUCTIONS

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DO NOT LUBRICATE WITH AUTOMATIC
GREASE GUN. GREASE WITH HAND
GREASE GUN ONLY.
P/N22839

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G5 : 9HM



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G5 : 9HM

DANGER

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.

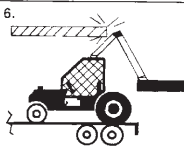
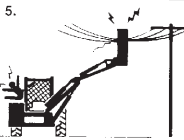
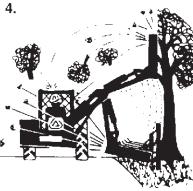
3. REAR-MOUNTED BOOM MOWERS MOVE CENTER OF GRAVITY TO THE REAR AND REMOVE WEIGHT FROM FRONT WHEELS. ADD FRONT BALLAST UNTIL AT LEAST 20% OF TRACTOR'S WEIGHT IS ON FRONT WHEELS TO PREVENT REARING UP, LOSS OF STEERING CONTROL, AND POSSIBLE INJURY.

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



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ATTENTION
SERVICE HYDRAULIC SYSTEM
WITH UNIVERSAL TRACTOR
HYDRAULIC OIL.

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PÿÖÜÆVŠŒVÆS

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

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G5 : 9HM

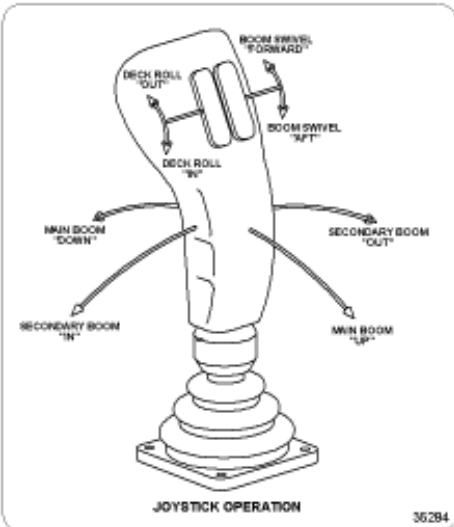
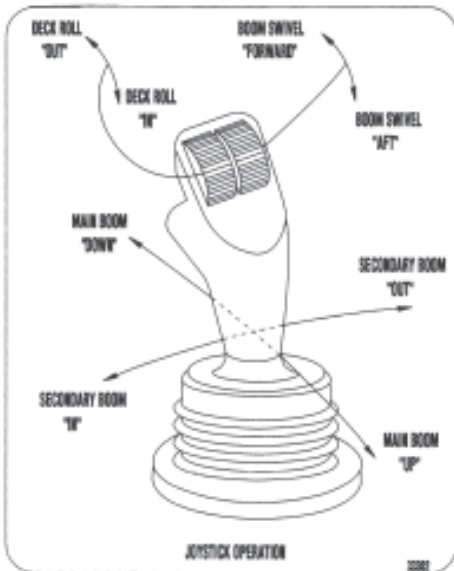
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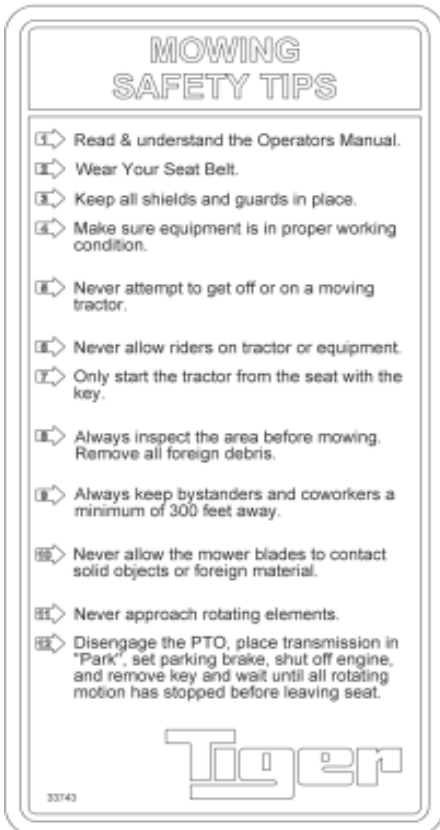
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G5 : 9HM

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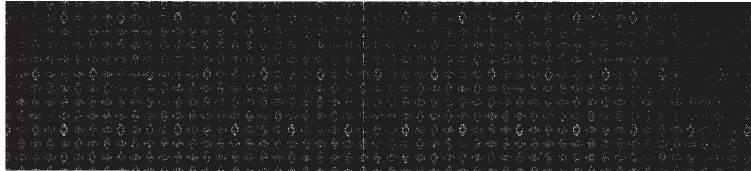


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G5 : 9HM



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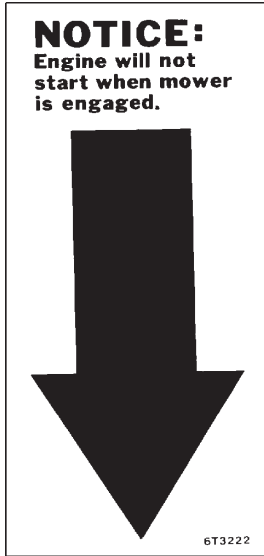
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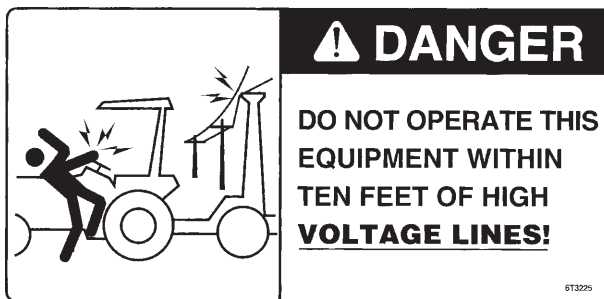


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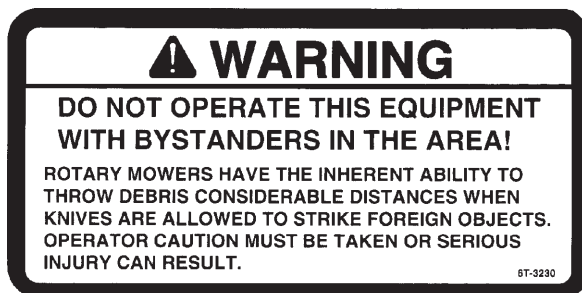
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<p>⚠ WARNING</p> <p>IT IS RECOMMENDED THAT THE BOLT AND LOCK NUT BE REPLACED WHENEVER BLADES ARE REPLACED. REPLACE THESE ANY TIME THEY ARE DAMAGED OR WORN AS FAILURE TO DO SO CAN LEAD TO BLADES COMING OFF CAUSING SERIOUS INJURY OR DEATH.</p>	<p>IMPORTANT</p> <ul style="list-style-type: none"> • WHEN REPLACING BLADES, IT IS RECOMMENDED THAT ALL BLADES BE REPLACED FOR PROPER BALANCE TO AVOID EXCESSIVE VIBRATIONS WHICH CAN DAMAGE SPINDLE ASSEMBLY. • SEE YOUR OPERATOR'S MANUAL FOR PROPER INSTALLATION INSTRUCTIONS. <p><small>6T3243</small></p>
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Î VHGH
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G5 : 9HM

GREASING INSTRUCTIONS

GROUND ROLLER BEARING

GREASE EVERY 8 HRS. OR DAILY

NOTE: If unusual environmental conditions exist-extreme temperatures, moisture, or contaminants-more frequent lubrication is required.

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⚠ WARNING

DO NOT OPERATE MOWER
WITH SAFETY SHIELD REMOVED.

TB1011

VÓÆFF
T UY ÒÙ ÒÒÔŠ



Tiger Corporation

800-843-6849

www.tiger-mowers.com

Description	Application	General Specification	Recommended Lubricant
Tractor Hydraulics	Reservoir	JD-20C	Mobilfluid® 424
Mower Hydraulics	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)	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	Mobilith SHC 220

For Mobil product information, availability, or technical information, call 1-800-862-4525.

Tiger PN 34852

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G5 : 9HM

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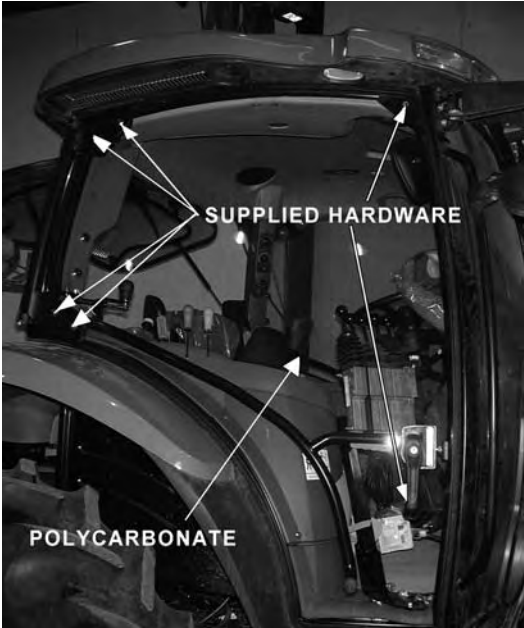
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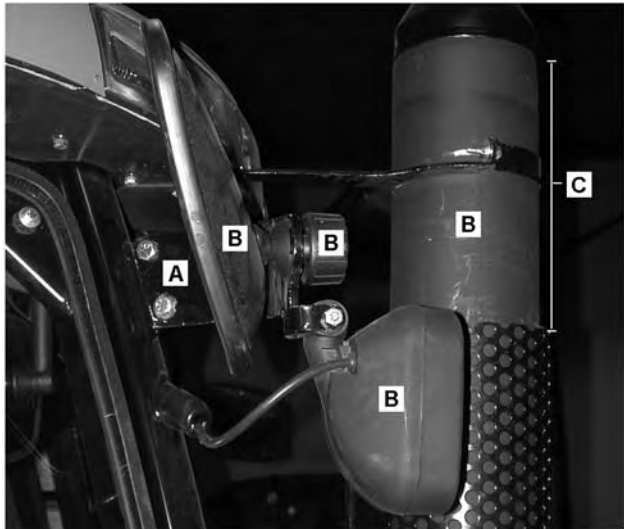
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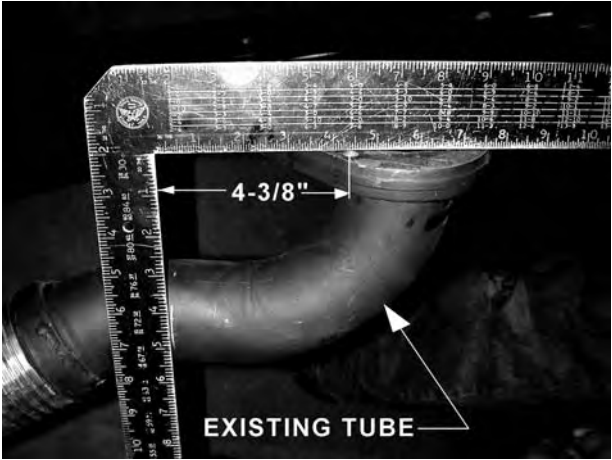
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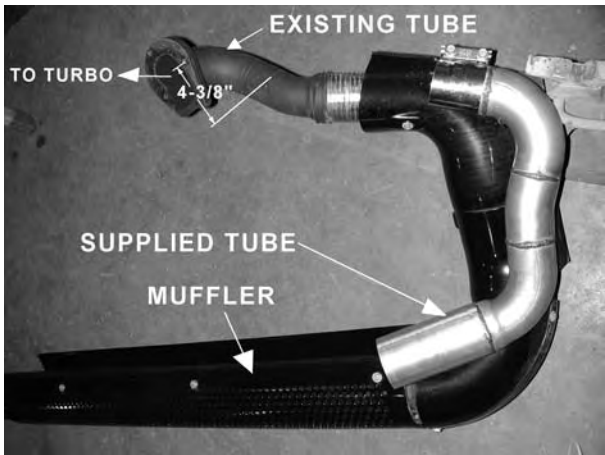
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Úã ã |^ Æ F



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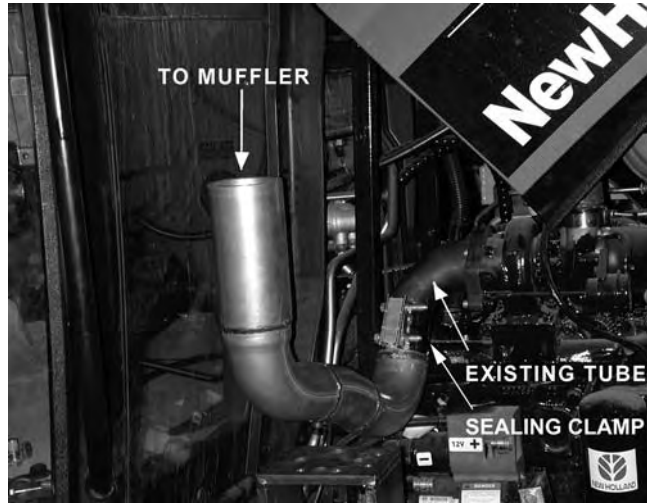
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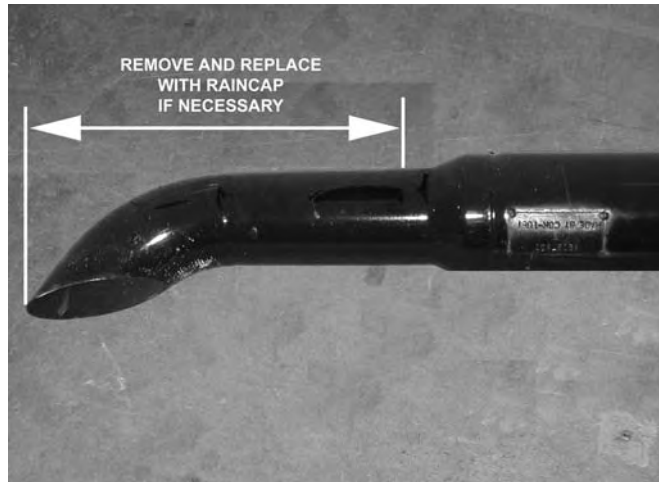
5 GG9 A 6 @M

(7 M@B89F 9L<5I GHACI BHfWbhbi YXk

CUT PREP ID



Úæç !^ Ài



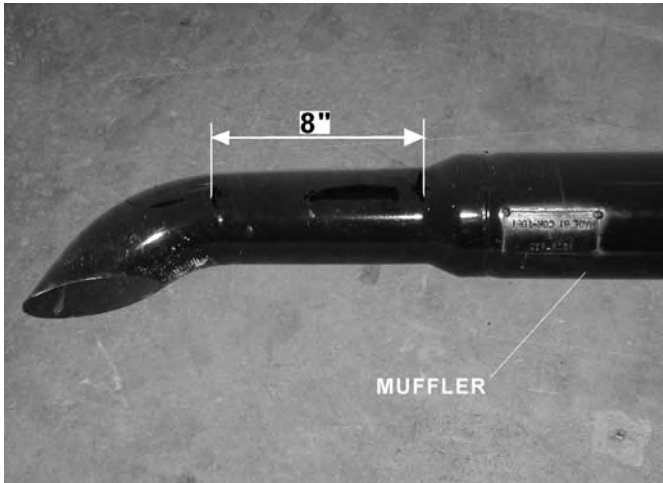
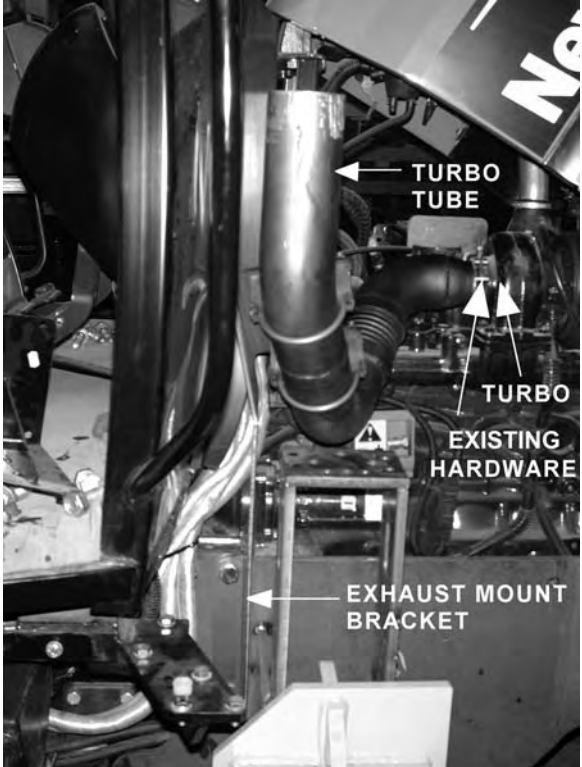
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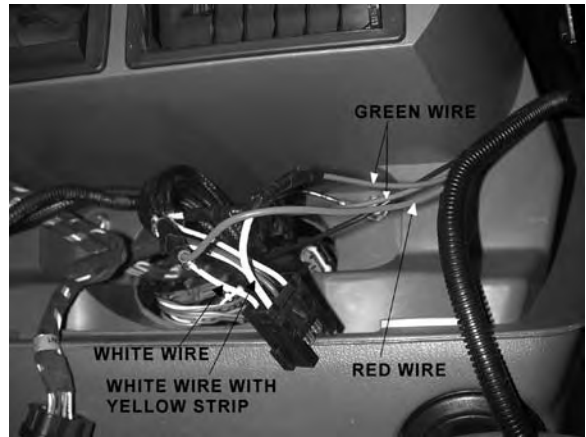
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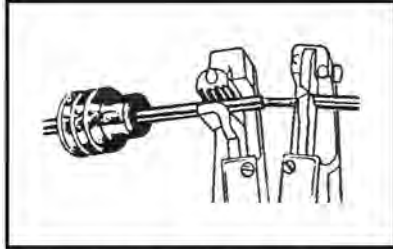
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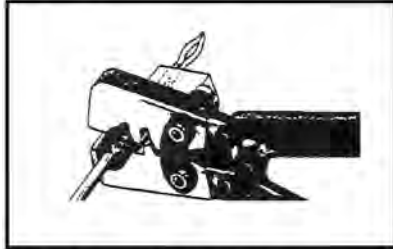
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1. Apply seal to cable, before stripping insulation.



2. Align seal with cable insulation.



3. Put terminal in crimping tool, then



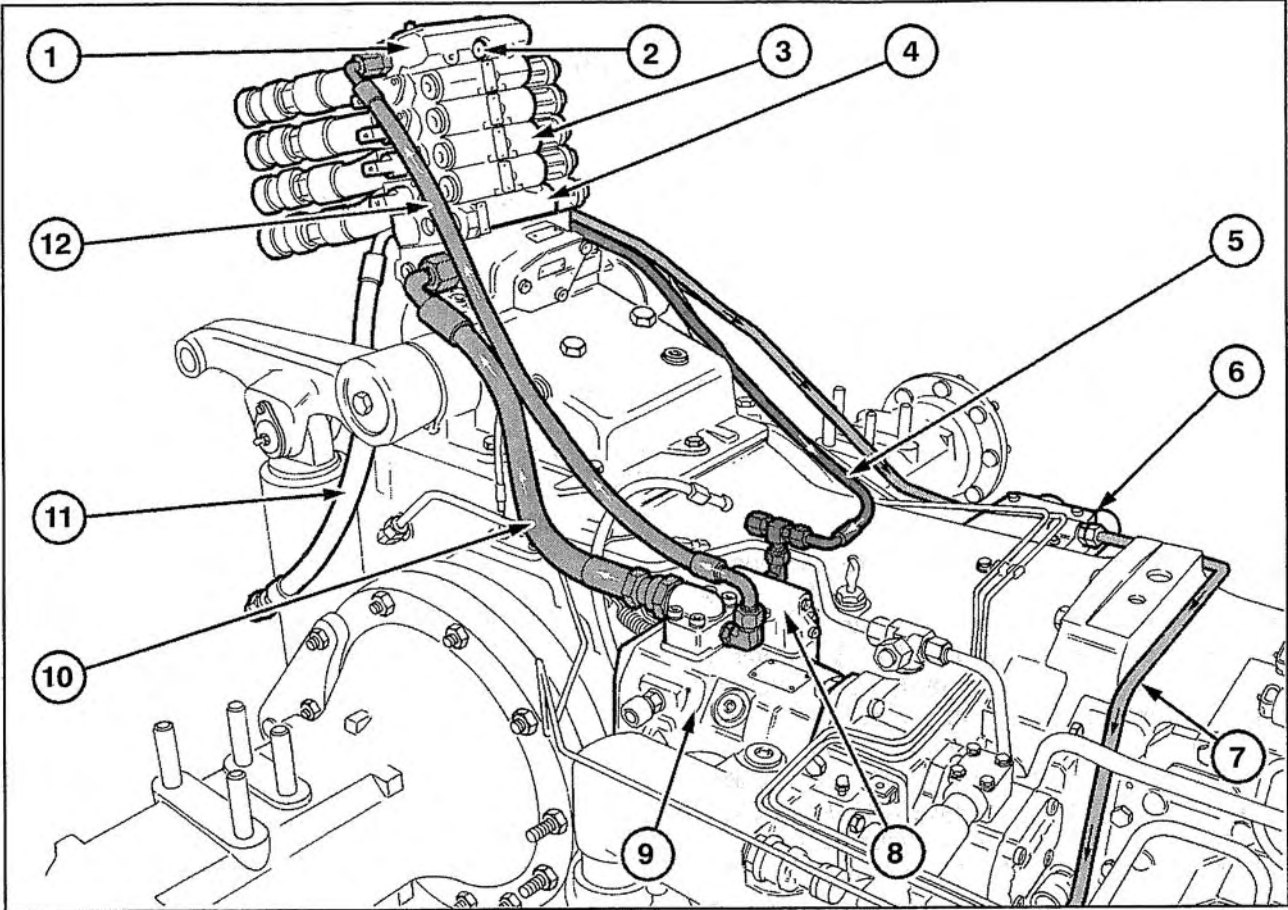
4. Crimp and visually inspect for a good



5 GG9 A 6 @M

89BH MB; HF57HCF <MBF5I @7 GMGH9A

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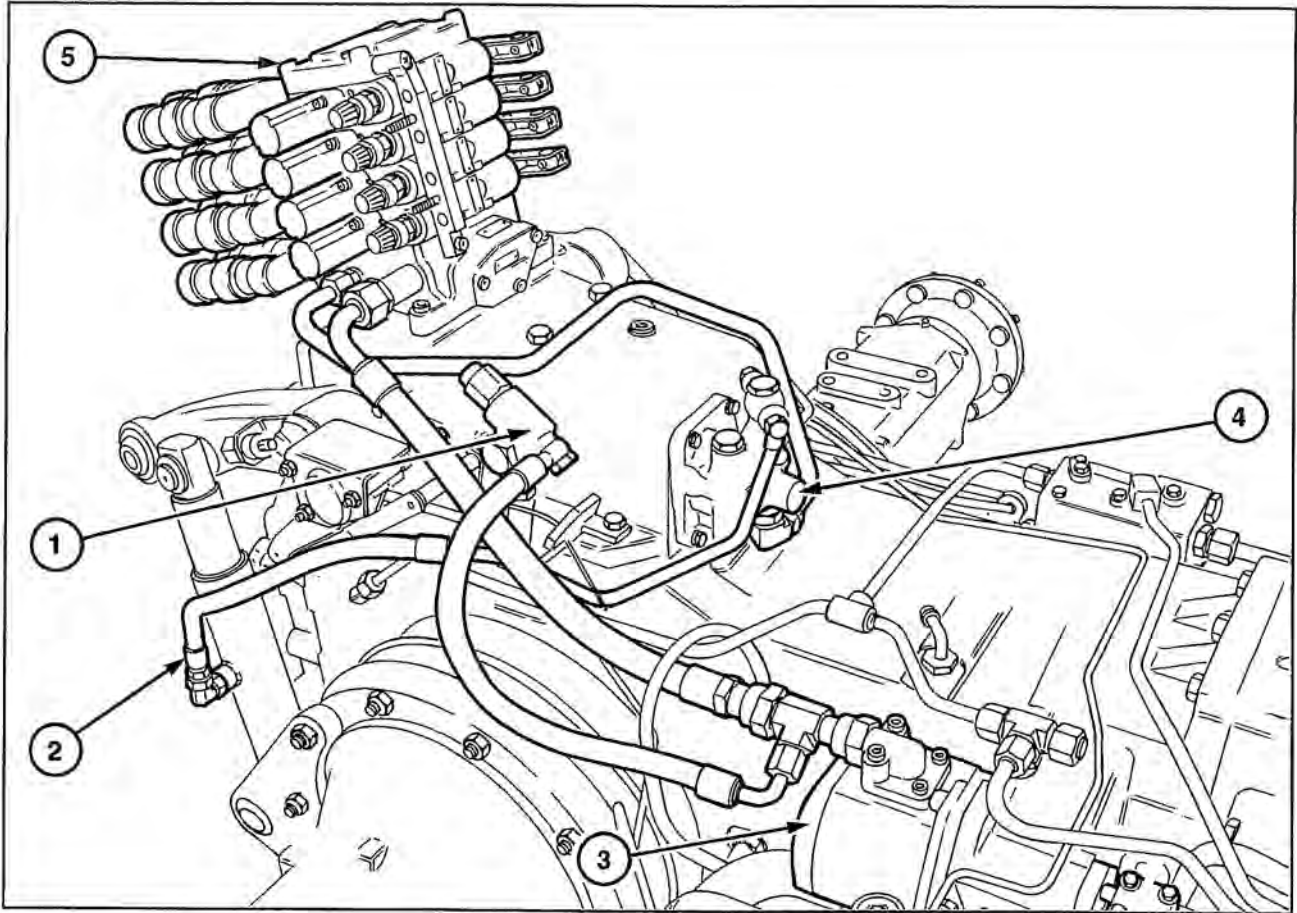
CLOSED CENTER SYSTEM

- | | |
|--|---|
| <ul style="list-style-type: none"> 1. End Plate 2. Load Sensing Port for Mid-Mount Valve 3. Electro-Hydraulic Remote Valves 4. Electronic Draft Control Valve 5. Load Sensing Line 6. Low Pressure Circuit Distribution Manifold 7. Low Pressure Feed | <ul style="list-style-type: none"> 8. Pressure Compensator Valve 9. CCLS Pump 10. High Pressure Feed to Electro-Hydraulic Remote Valves 11. Feed to Hydraulic Lift Cylinder 12. High Pressure Feed to Electro-Hydraulic Valve Pilot Line |
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5 GG9 A 6 @M

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OPEN CENTER SYSTEM

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|---|-----------------------------------|
| 1. Pressure Relief Valve | 3. Fixed Displacement Pump |
| 2. Feed To Lift Cylinder (optional on MXU Valve w/ MDC) | 4. Mechanical Draft Control Valve |
| | 5. Remote Control Valves |



5 GG9 A6 @M

@C58 G9BG9 <CG9 FCI H#B; !CD9B 79BH9F

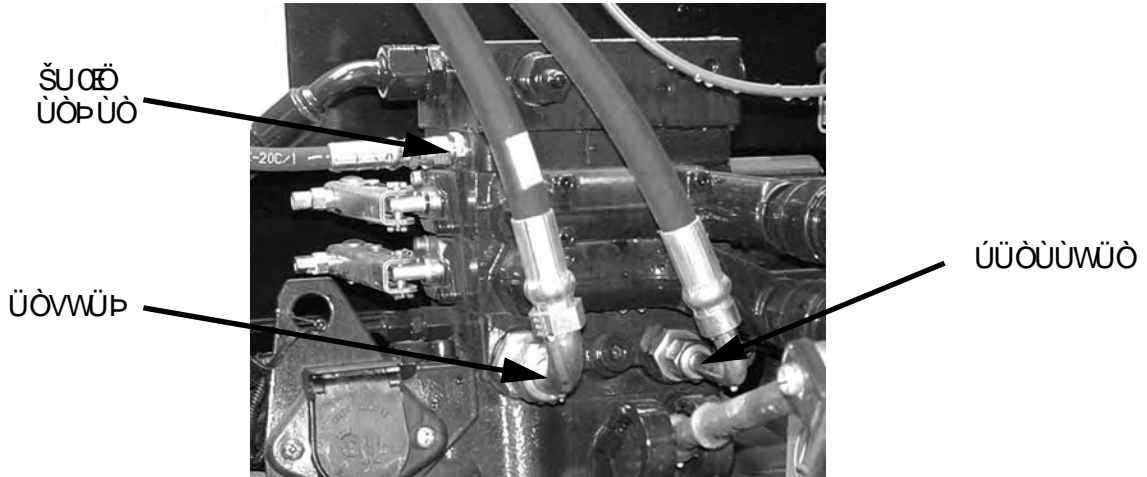
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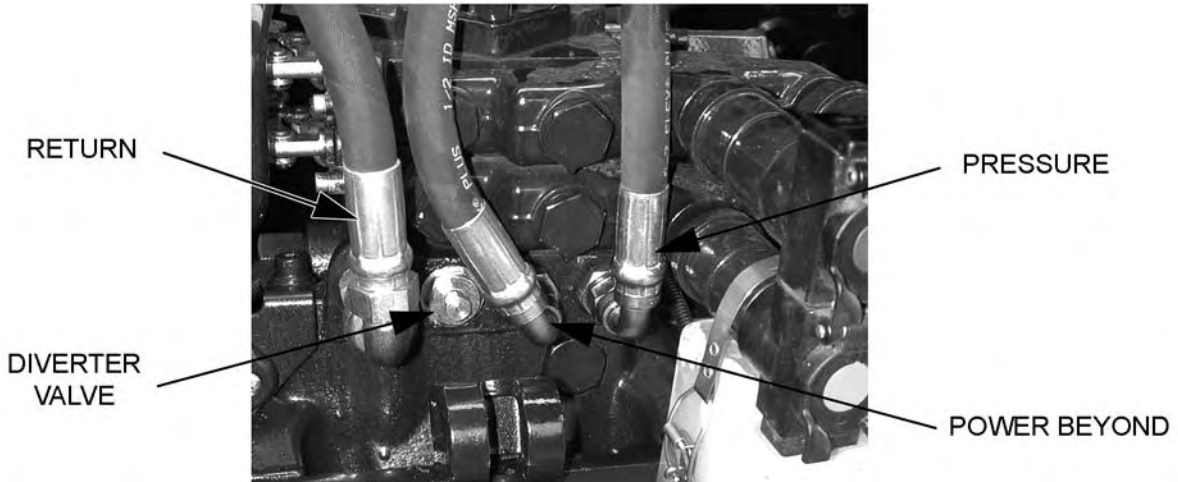


5 GG9 A 6 @M

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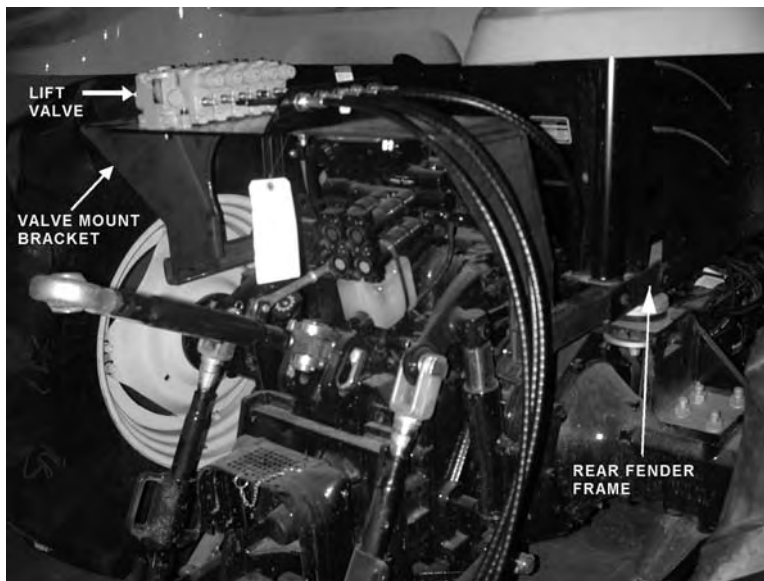
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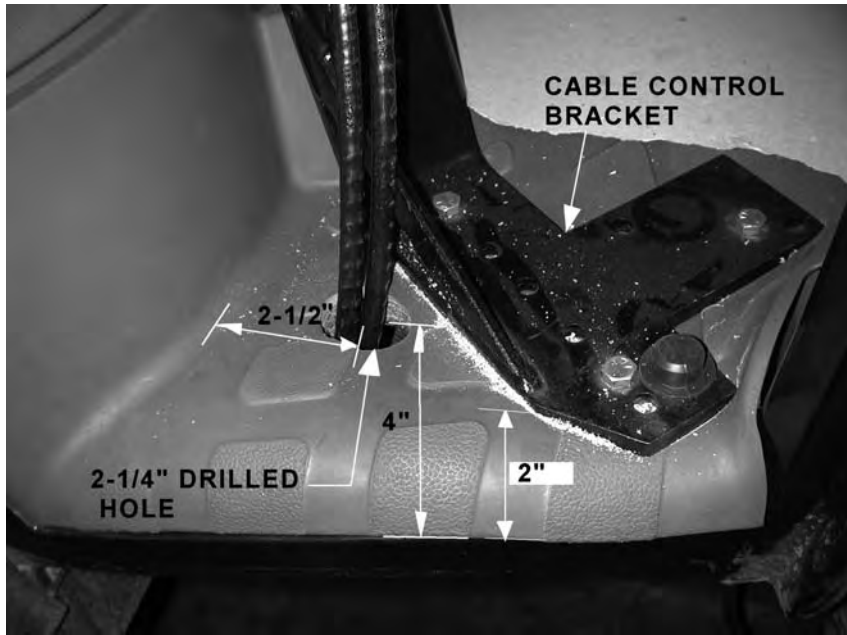
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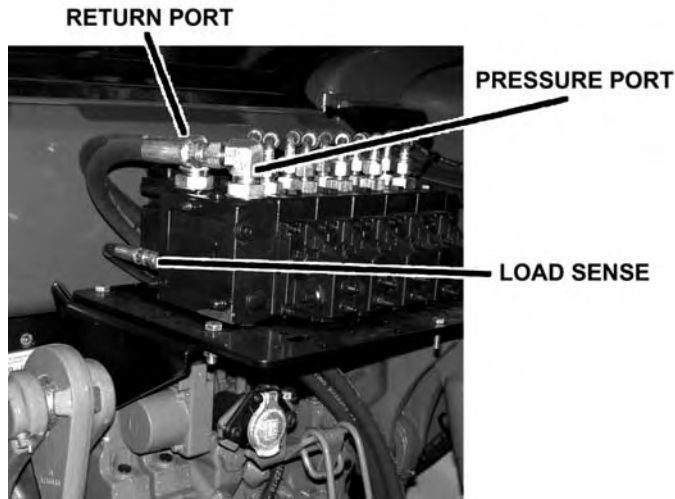
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DANFOSS VALVE



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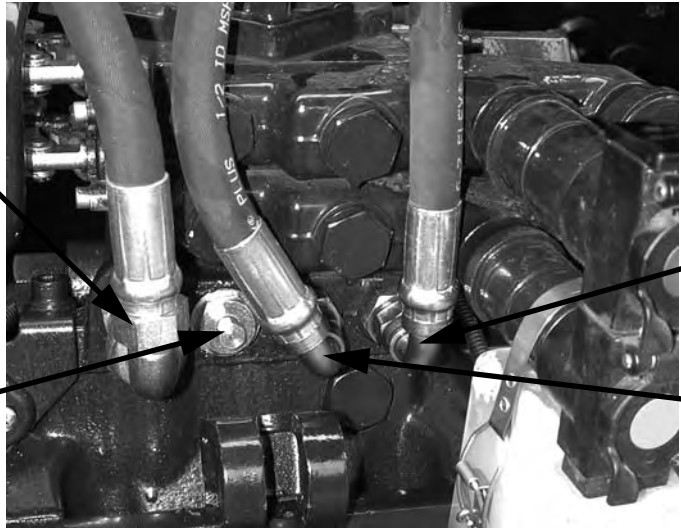
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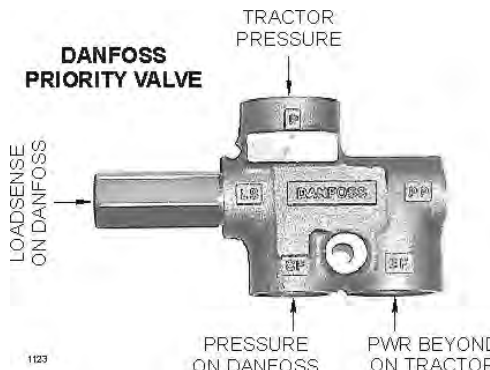
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UUUV
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ÚŠVÖ



ÚÜÜÜÜWÜÖ
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ÚUY ÜÜ ÓÜYU PÜ
UUUV



PÜY PUSŠÜÖ VÜÖÜVÜ
ÜÖT UVÖ ÜÜÜÜQY ÚŠVÖ



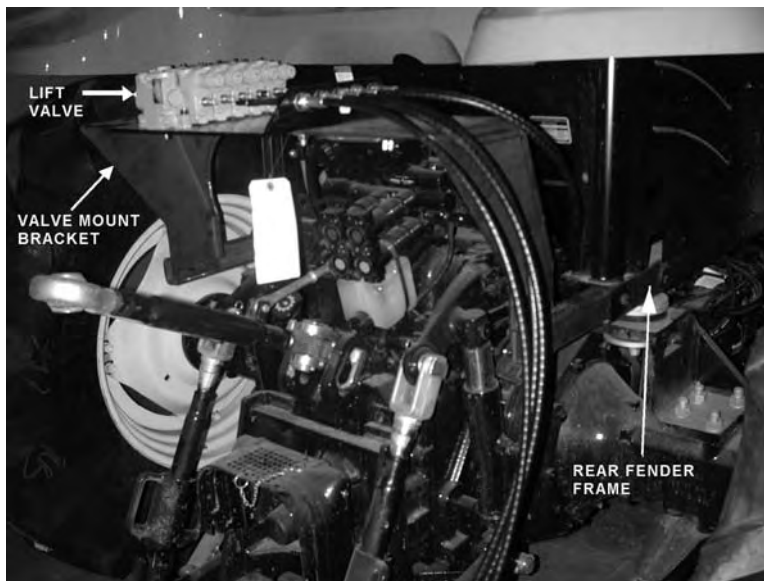
5 GG9 A 6 @M

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5 GG9 A 6 @M

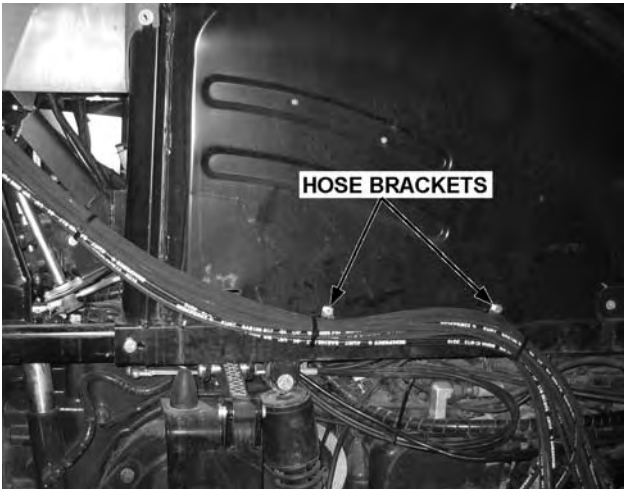
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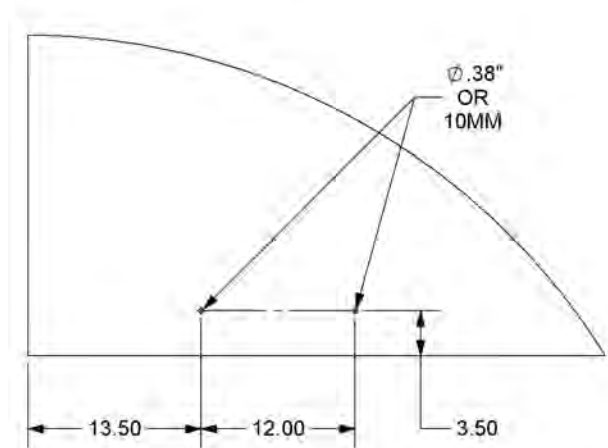
V @ .^ k } a^ @ i^ . @ i^ i^ }] k k s i d @ a^ d { ^ a^ ^ [~ @ , @s, ^|| E T k @ @ i^ F G +
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**BCH9. 8C BCH7I H=BHC HI 69G#<CG9G#K F9GK<9B 8F=@B; H<FCI ; < A9H5 @
 CF D@GH7°**



HOSE BRACKETS

RIGHT REAR FENDER



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 G F I H E D k a^ F O O P D P Y S U O S P W E H D H O G F I G I E V @ @ .^ . @ k k a^] k . k d @ ']
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 , i k @ .^ ., k @] k @ .^ .^ ' } . k a^ k l } , k @ @ .^ '] . [i : k i^ . k } ^ a^ a^ E

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 . k a^ , k i^ k , ' k k k ' a^ c ^ ^) @ k k i^ k } d [] k a^ . k a^ k i^ k k^ * k l i^ i^ i^ .^ i^ k E
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 U k k U^ '] E

O^ k k G H D + @ i^ k @ a^ [i + [{ k . k^ @ k k E V @ @ i^ k d a^ || k k a^ G H D + k k + [{
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 [] k c @ ^] k . @ [~ * @ @ @ i^ E k a^ .^ ' i^ , k @ : k i^ . E 000000 P E I D



5 GG9 A 6 @M

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Üæ* Üæ} æ|æææ} Ú{|}æ{ ^c|•K

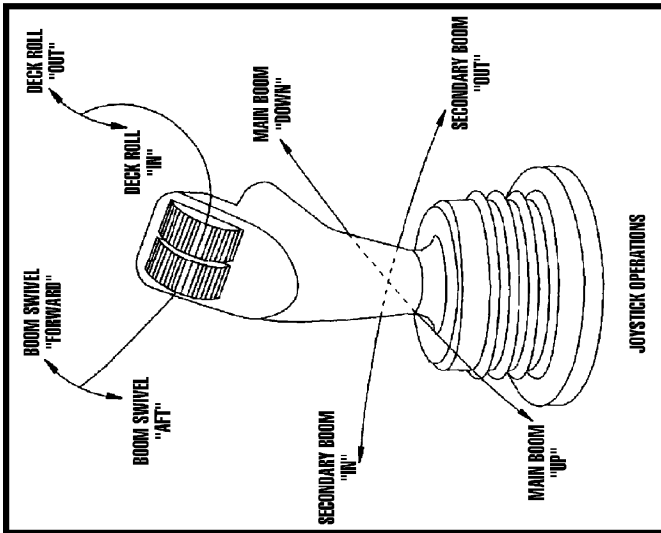
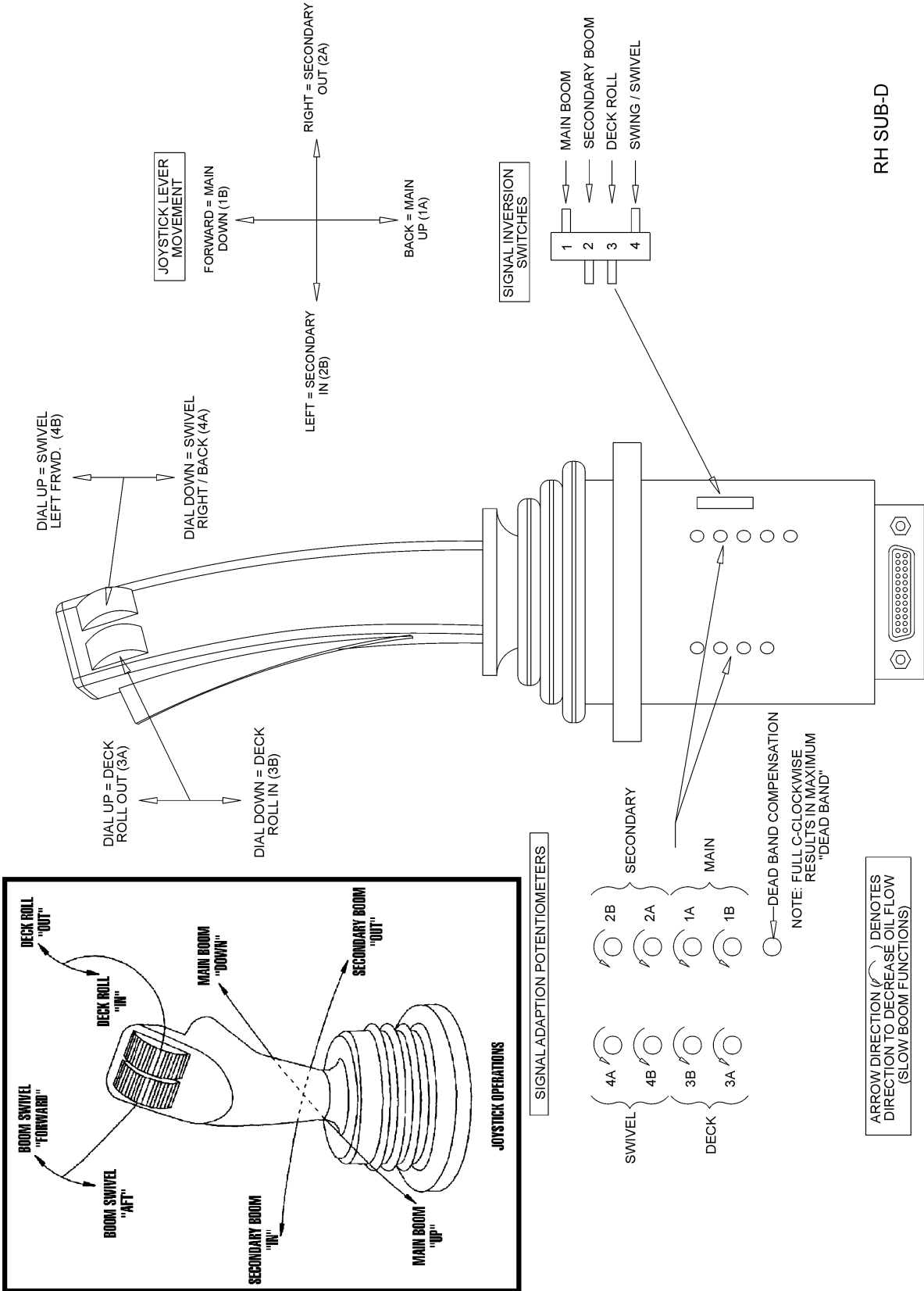
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5 GG9 A 6 @M

OPERATION INSTRUCTIONS



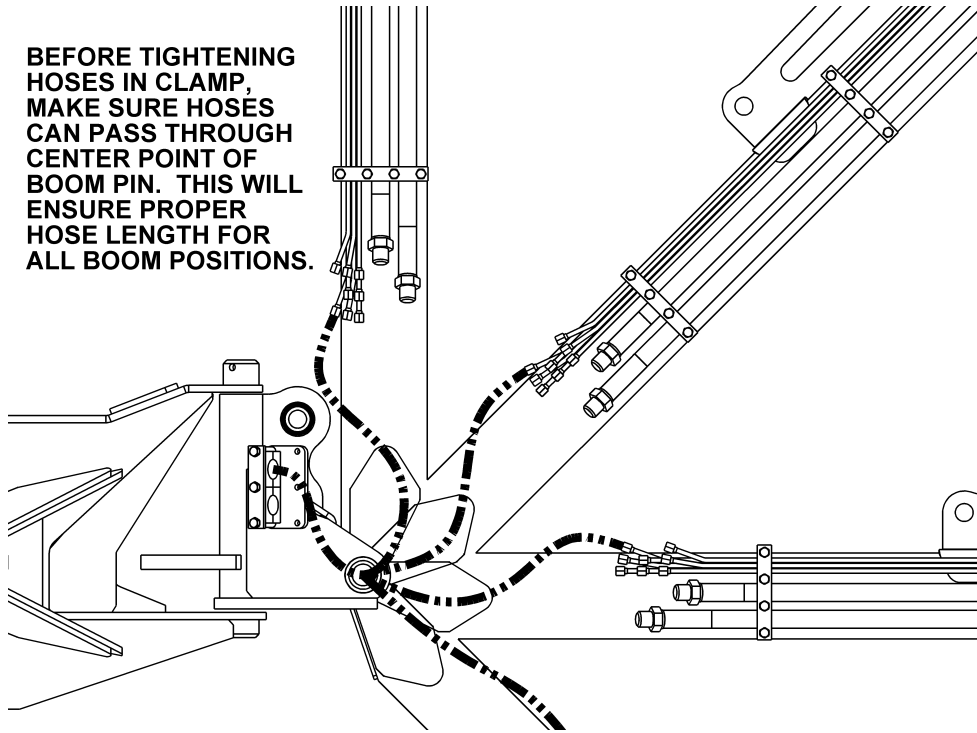
RH SUB-D



5 GG9 A 6 @M

G569F <CG9 FCI HB; f7CBHB1 98L

BEFORE TIGHTENING
HOSES IN CLAMP,
MAKE SURE HOSES
CAN PASS THROUGH
CENTER POINT OF
BOOM PIN. THIS WILL
ENSURE PROPER
HOSE LENGTH FOR
ALL BOOM POSITIONS.



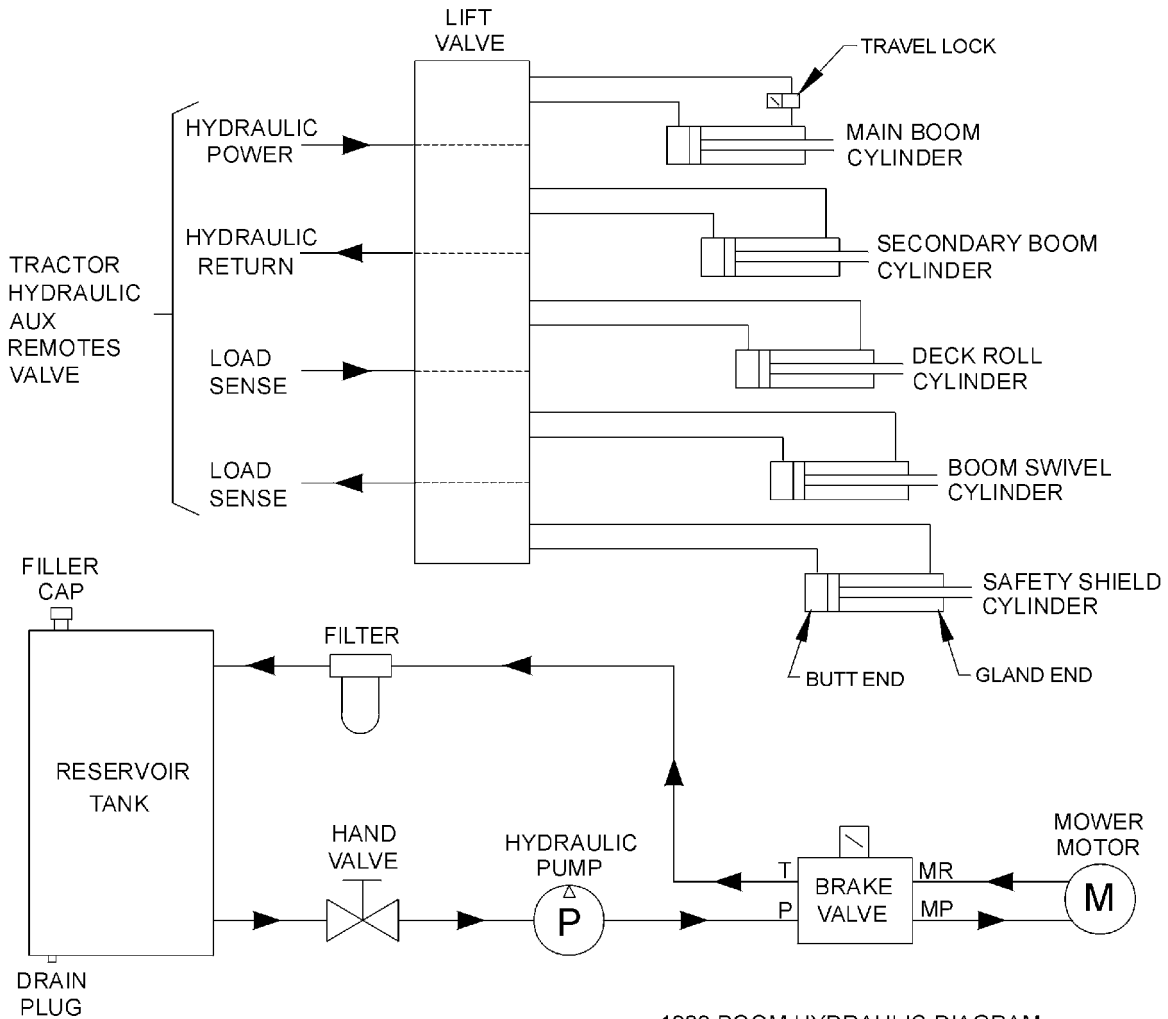
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T æ^ ~|^ @ F+{ [ð! @ •^• à] [c ð \ æ @ à [[{ æ ã { [ç^à ð ð @ • ð, ð *
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@•^ à^ç ^^ } &æ] •ÉæT ÈÚÀPUÙÒÙUWVØÖ€€FD



5 GG9 A 6 @M

CEUT EEEGD

BOOM HYDRAULIC DIAGRAM



1320 BOOM HYDRAULIC DIAGRAM

G-89 <M8 F5I @7 H5 B? -BGH5 @5 HCB

Q. The first part of the document is a title page for a technical manual. It contains the model number '5 GG9 A 6 @M' at the top. Below that, there is a section header 'BOOM HYDRAULIC DIAGRAM' and a detailed schematic diagram of the hydraulic system. The diagram shows the flow of hydraulic fluid from a reservoir tank through a pump and various valves to several cylinders: Travel Lock, Main Boom Cylinder, Secondary Boom Cylinder, Deck Roll Cylinder, Boom Swivel Cylinder, and Safety Shield Cylinder. A Mower Motor is also connected to the system via a Brake Valve. The diagram is labeled '1320 BOOM HYDRAULIC DIAGRAM'.

U. The second part of the document is a list of technical specifications or a table of contents. It starts with 'G-89 <M8 F5I @7 H5 B? -BGH5 @5 HCB'. This is followed by several lines of text that appear to be a mix of English and non-standard characters, possibly representing a list of items or a table of contents. The text is partially obscured and difficult to read.

Q. The third part of the document is a list of technical specifications or a table of contents. It starts with 'Q. The first part of the document is a title page for a technical manual. It contains the model number '5 GG9 A 6 @M' at the top. Below that, there is a section header 'BOOM HYDRAULIC DIAGRAM' and a detailed schematic diagram of the hydraulic system. The diagram shows the flow of hydraulic fluid from a reservoir tank through a pump and various valves to several cylinders: Travel Lock, Main Boom Cylinder, Secondary Boom Cylinder, Deck Roll Cylinder, Boom Swivel Cylinder, and Safety Shield Cylinder. A Mower Motor is also connected to the system via a Brake Valve. The diagram is labeled '1320 BOOM HYDRAULIC DIAGRAM'.



5 GG9 A 6 @M

: =@@B; <MBF5I @7 F9G9FJC=F

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5 GG9 A6 @M

7 CC @ F ACI BHB; ! G-89 H5 B?

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GK =J9 @6 F57?9H ACI BHB;

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A5-B 6 CCA -BGH5 @ @ HCB

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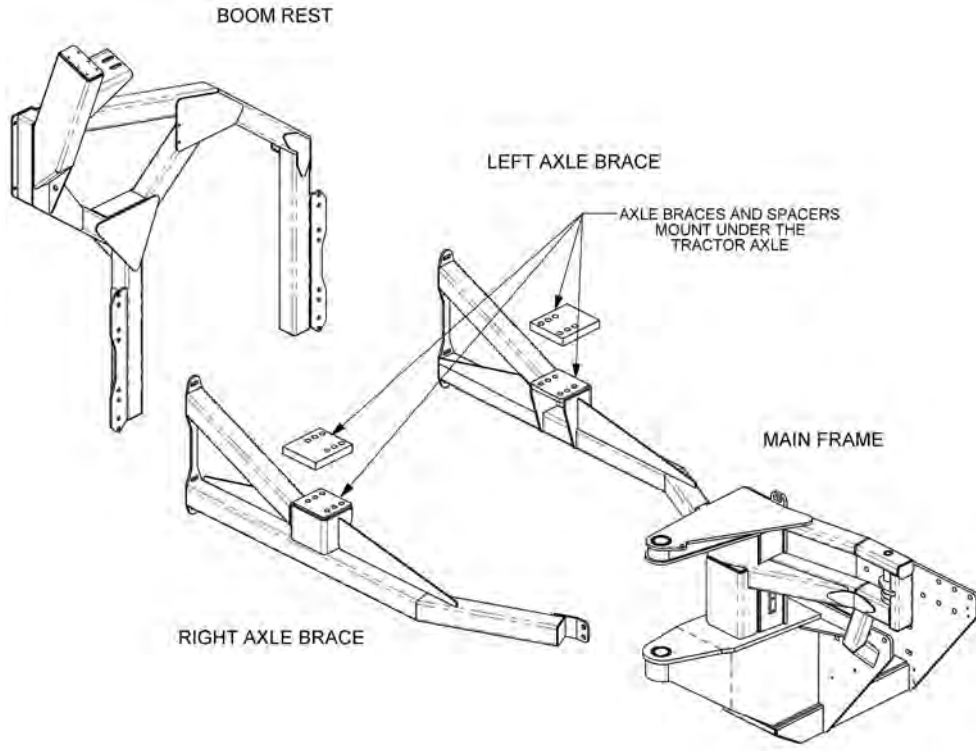
; F95 G9 <-B; 9 D-B N9F?G CB 6 CCA 5: H9F 5 GG9 A6 @M CB79 | B89F @C58 K #K 6 CCA 9 @ J5H98 5 B8 5; 5-B 5HF9GHK #K 6 CCA GI DDCFH98 ÇUT ÈÈ€FD



5 GG9 A6 @M

5L @ 6F579 ACI BHB;

V@ xpl àxk. k^ d à { [] } à^ @ l^k xpl [~@ dkkd | , k@] kxk. È V@ [@ l ^ } à [~@ xpl àxk. { [] } c d @ [~@ kxk [~@ | , ^ l ^ k & | } ^ l [~@ { kxk + xk ^ È Cxk kxk @ * @ à [[l ^ c k @ ^] à kxk @ ^ kxk à l ^ c ^ } à^ @ dkkd | È Cxk kxk @ @ xpl àxk. d @ { kxk + xk ^ , kxk @ kxk , kxk . @ , } d @ Úkxk Ú^ & d } kxk à kxk @ È Cxk kxk @ @ xpl àxk. d @ l ^ k xpl . d * @ ^ xpl .] kxk. kxk à { [] } d * kxk , kxk . @ , } d @ Úkxk Ú^ & d } È à c Ö U P U V kxk @ } È



6 CCAF9GH ACI BHB;

Ók^ ~ | | kxk ^ @ @ [[l ^ c kxk à kxk } @ @ Q | ^ , kxk @ Q . ^ [~@ xpl àxk È P | , d . kxk kxk kxk @ * kxk , kxk È kxk . @ , } d @ Úkxk Ú^ & d } È [l ^ c kxk @ kxk , l ^ @ kxk } { ^ } c , kxk @ l ^ c kxk à l ^ c @ xpl àxk È V @ } È d | ^ ^ kxk kxk , kxk [] @ àxk kxk à @ à [[l ^ c kxk @ kxk È kxk à @ l ^ c . d d . d @ @ [[l ^ c kxk . @ , } d @ Úkxk Ú^ & d } È Cxk kxk @ @ È

6 CCA ACI BHB; 6F57?9H

W d * kxk [[l ^ kxk kxk à kxk | kxk d kxk kxk ^ @ @ [[[] } d * àxk kxk ^ c] d l ^ c ^ kxk à kxk @ àxk kxk ^ c d d [[kxk]] d @ { kxk + xk ^ kxk . @ , } d @ Úkxk Ú^ & d } È Q . kxk @ @] d @ [~@ @ kxk + xk ^ kxk à àxk kxk ^ c Ú^ & l ^ , kxk @ kxk . & l ^ , kxk à } ^ [&] ^ c @ [~@ @ @ l ^ c . @] @ { kxk + xk ^ È Ú^ & l ^ { [] } d * àxk kxk ^ c d @ { kxk + xk ^ , kxk @ @ kxk . & l ^ , È kxk kxk @ l ^ c kxk kxk @ l ^ c kxk à } ^ [&] ^ c [[l ^ c kxk à È Ú^ & l ^ @ [~@ @ @ c [. l ^ kxk @ Q | ^ . [] @ àxk kxk ^ c kxk à { kxk + xk ^ È Cxk kxk @ @ È



5 GG9 A6 @M

897? 5H57<A9BH

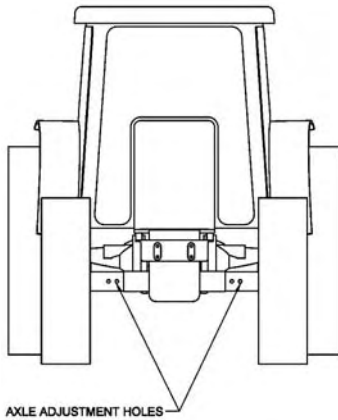
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Ù^&ð }É Q•æ@ @ à^&]ð[c&]ðå! ~•ð* @]ð • æåå æå, æ^ æ[•@, } ð @^ ðæc•
Ù^&ð }É

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ææ&@å ð @ { [ð|]|^•|^]|c, @æ { æ^å, ææ|åå à[c•æ^ |É

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[] @ à[[{ æ{ É *OUT TO EID*

&K 8 : FCBH5L@ 58>I GHA9BH

Q [|å^ | ð]|^ç^ çå ð-^|^) &•, æ@ [~]å^ ~ ð { ^} é@ ÷[]æ|^ [] æ
GY Ö VÍ €€€ çæð|, ð @ç^ ð à^ æå•åå [~ç æå• ð •@, G@|^ [] ^æ&@
•æ^ ç^å ð •ðæð } à^|, É Ö [~å^ &@& @, @^| •]æð* æåå æå•ð ^} çå^
[•&]æð* æåå ç| } ð* @ çå^ ~||^ +| ð ð-^|^) &^ *OUT TO EID*



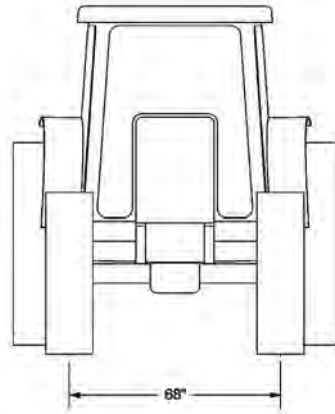
AXLE ADJUSTMENT HOLES



5 GG9 A 6 @M

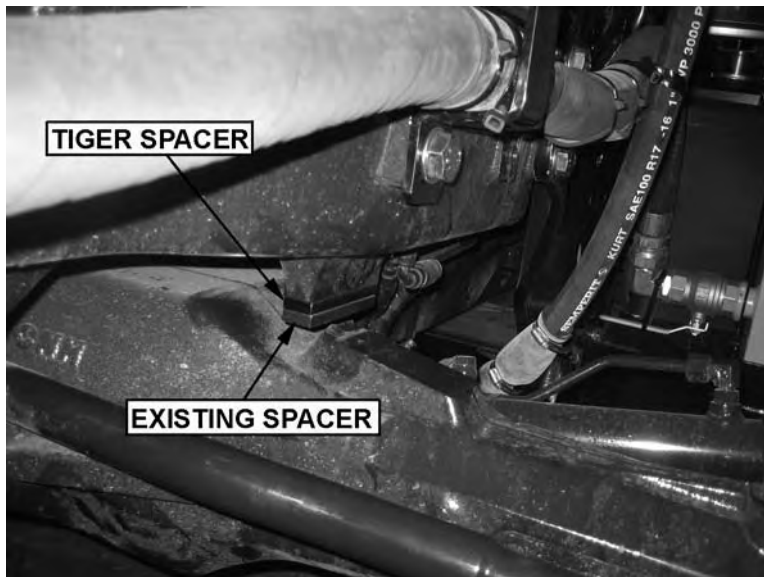
(K 8 : FCBHK <99 @58>I GHA9BH

Q [|à^i d] |^ç^} cā ð^i-^i^} &• , ã@ [~ } ð^à^~ ã { ^ } ð^é@ ÷ [} c , @^i • [} æ | Y Ö VÍ €€€ dæd | , ã [@^ d ð^à^ ãb • ð^à^ d ð^à^ ã] | [ð^æ æ | ~ i i + & } ð^i d & } ð^i àã æ & G^ ^ ã | ~ • dæd } à | [, ð^é d | dæd | • , ã@ [~ } ð^à^ [ã^i • É@æ àã æ & • Q | à ð^à^ ã] | [ð^æ æ | ~ i i + É Ö | ~ à^ & @ & @ , @^i •] ãã ã * æ^i ãb • d ^ } c^à [• & ãã ã * ã ð^à^ c | } ã * @ ð^à^ • ~ | | ÷ | ð^i ð^i ð^i-^i^} & É@æ ð^UT ð^P ð^ÉÉ I JD



(K 8 : FCBH5L @ GHCDG

Q [|à^i d] |^ç^} cā ð^i-^i^} &• , ã@ [~ } ð^à^~ ã { ^ } ð^é@ ÷ [} cæ^ [] æ | Y Ö dæd | , ã@ , @^i • | æ^i • @æ FHE Y ÜG , ã [@^ d ð^à^ ã ð^à^É U } ^æ@ • ã^ [~ @ ÷ [} cæ^ @ ÷ | [[, ã *] | [& à^ i^ { ~ • c^à^ ÷ | [[, ^àÉ V@ ^ç^ ð^ã ã * •] ã^i ã ð^à^ æ & • & ^ , • , ã [} ^à^ d ð^à^ i^ { [ç^à ã ð^à^ æ } ^ , Vã^i Û] ã^i Q ð^É í | É í I I D , ã [} ^à^ d ð^à^ ã ð^à^É Û ã ð^à^ , æ@æ Vã^i Û] ã^i à^ç^ ^ } @ dæd | ã ð^à^ @ ^ç^ ð^ã ã * •] ã^i É V@ æ & • & ^ , • , @ , ^i^ i^ { [ç^à , ã [} ^à^ d ð^à^ i^ | ã^i à ð^ç [|] } *^i Vã^i Ö æ & • & ^ , • Q ð^É í | HEÉ I É OÉ^i ãã ð^ã * @ Vã^i Û] ã^i d ^æ@ ã^É ã [~ à^ É @ & @ æb • d ^ } c^à [• & ãã ã * ã ð^à^ c | } ã * @ ð^à^ • ~ | | ÷ | ð^i ð^i ð^i-^i^} & É@æ ð^UT ð^P ð^ÉÉ I D



5 GG9 A 6 @M

: B5 @DF9 D5 F5 HCB : CF CD9 F5 HCB

Ujck [] ^i^k | c • k^c k a [] ^i^k } a^k [] c @ • c^i^k * k | { } k a • k^k k } [] ^, @ | ^
c @ ^ k^ k^k | c k^k | d c @ [] ^i^k | E V @ • ^ a^k • • @ | a a^ ^ } a^i^d [] a a^ ^ k^k | [] ^i^k | [~
c @ { k^k ^ k k } b } & k } , k @ c @ k^c k a [] ^i^k } k^k } [~ c @ a [] ^ E V @ a^k k^k k^ d
a^ { k^k k^k a^ k * [] a k } a^k } k k^k { k a^i^d k @ [] ^i^k | E k a • @ | a a^ | ^ | k^k a k
a^k k^k a^ E

Ujck | E k | a [] • • • E } k • k a [] k | c [] k • , k | } ^ a d a^ * | ^ k^k a^ k k • d^ & c a k c @
A k^k c } k & k^k } [~ c @ { k^k k^k V @ @ a^ k^k | ^ • i^c [] a k^k k^k | a^ k^k a^ , k @ c @
| ^ k | { { } ^ } a^ a^ k^k G^k A k^k c } k & k^k } D k a c @ k^k | k • k^k a^ k c @ d [] [~ c @ c k^k | E
O | ^ a^ & c k k^k k^k * k a k^k | ^ • O O U U O • k^k k^k * d k^k | E O | ^ • k^k | ^ k^k [] [• • @ • •
d^ * ^ c @ | , k @ : k k^k k a , | k } , k @ | k^k @ • • • , @ | ^ k^k } { k [] & k | [] c @ @ • • E



O O U U O • k^k k^k * [] [] ^i^k * c @ d k^k | ^ | { ~ • c | ^ k^k k a ~ } a^i^k • k a c @
k^k c k a [] ^i^k } k^k } • [~ c @ { k^k k^k [] | ^ | E

69 G I F9 Hc9 65 @J5 @9G 5F9 CD9B° Ujck d k^k | k a k | , k • d { } ^ } • d • k^k k^k a^ E
W k^k * k k & k [~] k^k | [] & k a a [k a k } [] c a k c @ k^k c k a [] ^i^k } k & k^k } • E & c k k
k^k k^k * k a k } } ^ k } • k | @ a^ k^k | ^ k^k E
K k^k k^k a k^k } a^ E [] { ~ • c • @ c a [, } c @ d k^k | E • ^ c c @ & k^k | [] c @ * | [] ^ a^ E O k^k | ^
k^k {] k^k * d k^k c @ | ^ k^k E [] { ~ • c k^k k^k c @ | a c k^k ^ k^k a^ • • ^ c^i^k k^k a^ • d | ^ | k^k k^k
|] ^ • • | ^ k c @ | k^k • E

6 YZ f Y c d Y f U h b | k Y a c k Y f E c @ & k^k | @ k^k k a a [] [] { • @ | a a^ • | | , | { [] c^a c @ [] ~ * @ ~ c
c @ ~ | | k^k * ^ [~ { [] k^k } E Y k^k c @ k^k | k^k k^k } c @ c , [] | a k^k • ^ } k & k^k * [] ^ k^k • • d^ • • []
c @ @ • • E V @ • c^i^k * k a k^k [] c k^k | d k^k | • @ | a k^k | a^ k^k ~ | | { [] c^a c @ [] ~ * @ c @ a ~ | |
| k^k * ^ [~ { [] k^k } E Q k^k k^k } a^k } [] & k : • k • , k @ c @ @ • • • k } k^k c c @ k^k • E c @ • c^i^k * k a k
[] [] c k^k | d k^k | { k^k } ^ a d a^ | a k^k a^ k a^ • k^k k^k a^ k c @ d k^k | [] ^i^k | c { k^k k^k V c
• @ | a k^k | a^ a^ } ^ k^k c @ k^k • i^k a^ E | k^k a^ d^k | ^ k^k | a^ d k^k [c @ |] k^k [~ c @ { [] , ^i^k • & c
c @ @ a^ k^k k^k } [] a^ k^k a^ k^k E V c { k^k k^k a^ k^k * • c • E | k^k k^k * • d [] a [] c k c @
d k^k | [] c d • [] c @ [] | a^ { E Y k^k & c k^k k^k * [] k^k } E [] • @ | a k^k | & c k^k c @ c @ k^k } d []
& k^k k^k k^k } ^ k^k a^ k^k | a^ k^k * d c @ [] ^i^k | c a^ k^k k^k | c @ c k^k k^k a^ • E

ACK 9F H9GH;

Vk^k c @ d k^k | d k | k^k k^k k^k [~ [] [] a b k & [] c @ * | [] ^ a^ E U | ^i^k c @ & | k a^i^k • c @ [] ~ * @
c @ a ~ | | k^k * ^ [~ { [] k^k } k^k k^k E d k^k k^k c @ | k^k • [~ k^k E Q | | , c @ k^k • d^ & k^k } • k c @ k^k | ^i^k }
k^k } d [] ^i^k c @ { [] , ^i^k X k^k k^k } [~ c @ { [] , ^i^k • @ | a a^ { k^k k^k k^k k^k a^ E c^k^k k^k
{ k^k c^i^k } E c @ \ } k^k a [] • @ | a a^ | a^ d | ^ ^ a^ k a [] & k^k k^k k^k c @ k^k c^k^k , @ | ^ [~
[] ^i^k } E

Z U b m d U f h g c Z h j g ' 5 g g Y a V m i G Y W f c b z c f U b m c h Y f g Y W f c b c Z h j g a U b i U U f Y
b c h W Y U f m i b X Y f g h c c X n e i a i g h W e b h U W h n e i f X Y U Y f c f h Y U X X f Y g g c b h Y Z c b h c Z
h j g a U b i U Z f U g g j g h U b W f c U E I T E O E E F E D



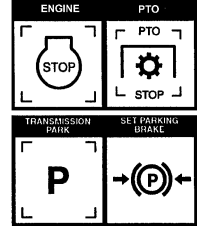
CD9 F5 HCB G97 HCB

UJ^!aa } Ú^&a } HË

CD9F5HCB



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 ã | } } ð * E U | ^æ @ Væd | & } d | • ÷ [{ @ dæd | • ^æ [] | E çóèD



("GH5FHCB; H<9 HF57HCF

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CD9F5HCB

CD9F5 HCB

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Uwac dæq; | |} |, @) | | | | | | | • ^ æ å ß ç d e V i æ q; | • ^ æ Ë U æ q; * æ dæq; | ß * ^ æ & æ | • ^ ç ß ß b | | | ã æ Ë U æ æ @ V i æ q; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D



Start only from seat in park or neutral. Starting in gear kills.



Y @) | | | | | | | | | | | | | | | | | • æ å ß ç d e V i æ q; | | | | | | | • ^ æ Ë U æ q; * æ dæq; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D



Ô ~ | ^ @ æ ß ç q; ^ | | | | | | | • æ å ß ç d e V i æ q; | | | | | | | • ^ æ Ë U æ q; * æ dæq; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D

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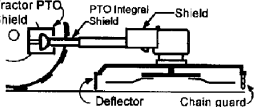
Ô ~ | ^ @ æ ß ç q; ^ | | | | | | | • æ å ß ç d e V i æ q; | | | | | | | • ^ æ Ë U æ q; * æ dæq; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D



U æ ß ç q; ^ | | | | | | | • æ å ß ç d e V i æ q; | | | | | | | • ^ æ Ë U æ q; * æ dæq; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D



Ô ~ | ^ @ æ ß ç q; ^ | | | | | | | • æ å ß ç d e V i æ q; | | | | | | | • ^ æ Ë U æ q; * æ dæq; | | | | | | | • { æ æ | | | | | | | • æ q; * ß • d ~ & q; } • Ë q; Æ F D



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Op-13

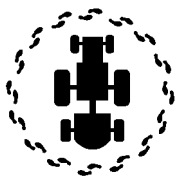
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CD9F5 HCB

CD9F5 HCB

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Ops-1303



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OPERATION SAFETY

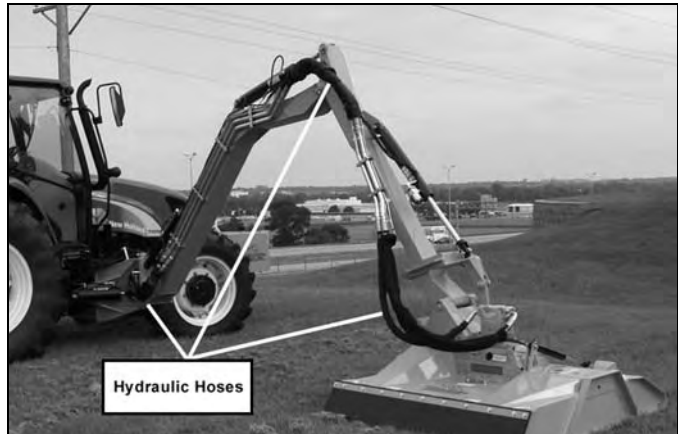
- Read and understand the operator's manual.
- Do not drink alcohol or use drugs before operating the machine.
- Do not operate the machine if you are tired or if you have been drinking alcohol or using drugs.
- Do not operate the machine if you are under the influence of alcohol or drugs.
- Do not operate the machine if you are not fully alert.
- Do not operate the machine if you are not fully alert.
- Do not operate the machine if you are not fully alert.



WARNING: Do not drink alcohol or use drugs before operating the machine. Do not operate the machine if you are tired or if you have been drinking alcohol or using drugs.

OPERATION SAFETY

- Do not drink alcohol or use drugs before operating the machine.
- Do not operate the machine if you are tired or if you have been drinking alcohol or using drugs.
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WARNING: Do not drink alcohol or use drugs before operating the machine. Do not operate the machine if you are tired or if you have been drinking alcohol or using drugs.



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PROBLEMS YOU MAY ENCOUNTER

- The engine will not start.
- The engine will not run.
- The engine will not run at full throttle.
- The engine will not run at full throttle.
- The engine will not run at full throttle.
- The engine will not run at full throttle.



The engine will not start. Check the battery, fuel, and oil levels. Make sure the engine oil is at the correct level. Check the air filter and replace it if necessary. Check the spark plug and replace it if necessary. Check the timing and adjust it if necessary. Check the compression and adjust it if necessary. Check the valve clearance and adjust it if necessary. Check the water pump and replace it if necessary. Check the timing belt and replace it if necessary. Check the water pump and replace it if necessary. Check the timing belt and replace it if necessary.

WARNING

Read the operator's manual for this tractor. Do not operate the tractor until you have read the operator's manual. Do not operate the tractor if you are under the influence of alcohol or drugs. Do not operate the tractor if you are tired or drowsy. Do not operate the tractor if you are wearing medication that causes drowsiness. Do not operate the tractor if you are wearing medication that causes drowsiness. Do not operate the tractor if you are wearing medication that causes drowsiness.

WARNING

Check the oil level before starting the tractor. Check the oil level before starting the tractor. Check the oil level before starting the tractor. Check the oil level before starting the tractor. Check the oil level before starting the tractor. Check the oil level before starting the tractor. Check the oil level before starting the tractor.

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ÜUVÖÿ PÒÖÖ ÜÜÜÖÖVÖP

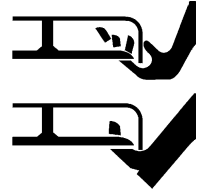
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Boom PRE-OPERATION Inspection



Mower ID# _____ Make _____
 Date: _____ Shift _____



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Table 1:

Item	Condition at Start of Shift	Specific Comments if not O.K.
The Operator's Manual is in the tractor		
All safety decals are in place and legible		
The mounting frame bolts are in place and tight		
The boom connection bolts & pins are tight		
There are no cracks in boom		
The hydraulic cylinders pins are tight		
The hydraulic pump hose connections are tight		
The hydraulic valve controls function properly		
There are no leaking or damaged hoses		
The hydraulic oil level is full		
There is no evidence of hydraulic leaks		
The blades are not chipped, cracked or bent		
The blade bolts are tight		
The deflectors are in place and in good condition		
The boom shields are in place and in good condition		
The skid shoes are in good condition and tight		
There are no cracks or holes in boom deck		
The hydraulic motor mounting bolts are tight		
The boom head spindle housing is tight and lubricated		

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

CD9F5HCB

Tractor PRE-OPERATION Inspection



Mower ID# _____ Make _____

Date: _____ Shift _____



WARNING Read the operator's manual for important safety information. Failure to follow the instructions may result in injury or death. Always use proper safety techniques when operating the tractor. Never drink and drive. Always wear your seat belt. Never operate the tractor if you are impaired by alcohol or drugs. Always use proper safety techniques when operating the tractor. Never drink and drive. Always wear your seat belt. Never operate the tractor if you are impaired by alcohol or drugs.

CD9F5HCB

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

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

Always use proper safety techniques when operating the tractor. Never drink and drive. Always wear your seat belt. Never operate the tractor if you are impaired by alcohol or drugs.

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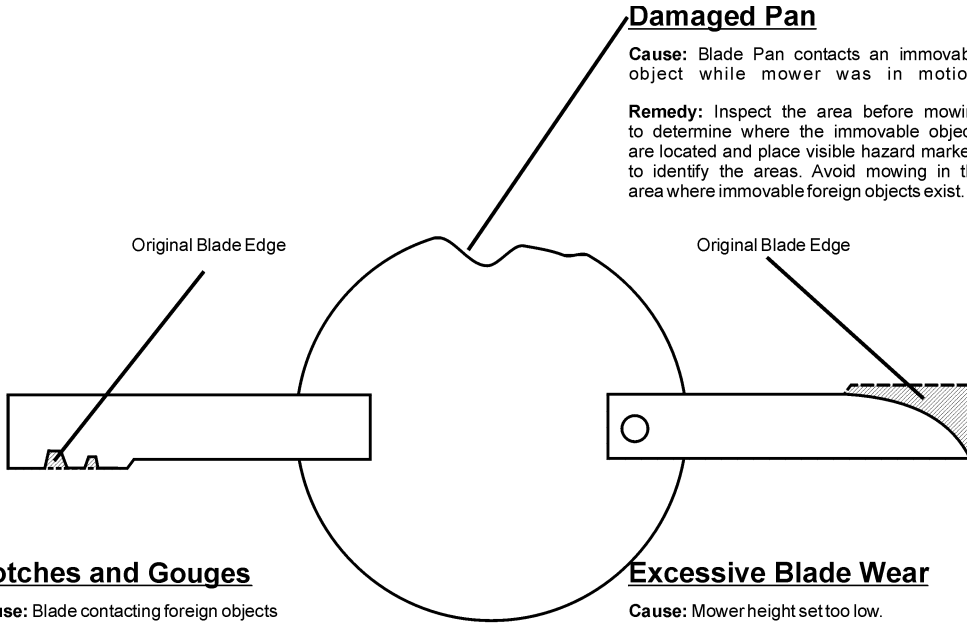
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Blade Damage

Blade damage can occur when the blade contacts an immovable object while the mower is in motion.



Damaged Pan

Cause: Blade Pan contacts an immovable object while mower was in motion.

Remedy: Inspect the area before mowing to determine where the immovable objects are located and place visible hazard markers to identify the areas. Avoid mowing in the area where immovable foreign objects exist.

Notches and Gouges

Cause: Blade contacting foreign objects

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

Excessive Blade Wear

Cause: Mower height set too low. Blade used past intended life.

Remedy: Replace blades more often. Adjust mower height for mowing Conditions to eliminate blade-to-ground contact

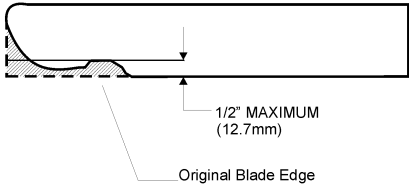
Op-22



DANGER Blade damage can occur when the blade contacts an immovable object while the mower is in motion.

- Inspect the area to be mowed and remove foreign objects that could cause damage to the blades.
- Adjust mower height for mowing conditions to eliminate blade-to-ground contact.
- Replace blades more often.
- Inspect the area before mowing to determine where the immovable objects are located and place visible hazard markers to identify the areas. Avoid mowing in the area where immovable foreign objects exist.

Blade damage can occur when the blade contacts an immovable object while the mower is in motion.



NOTE: Replace Blades in pairs after no more than 1/2" (12.7mm) wear
Op-23

Blade damage can occur when the blade contacts an immovable object while the mower is in motion.

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Excessive Blade Bolt Wear

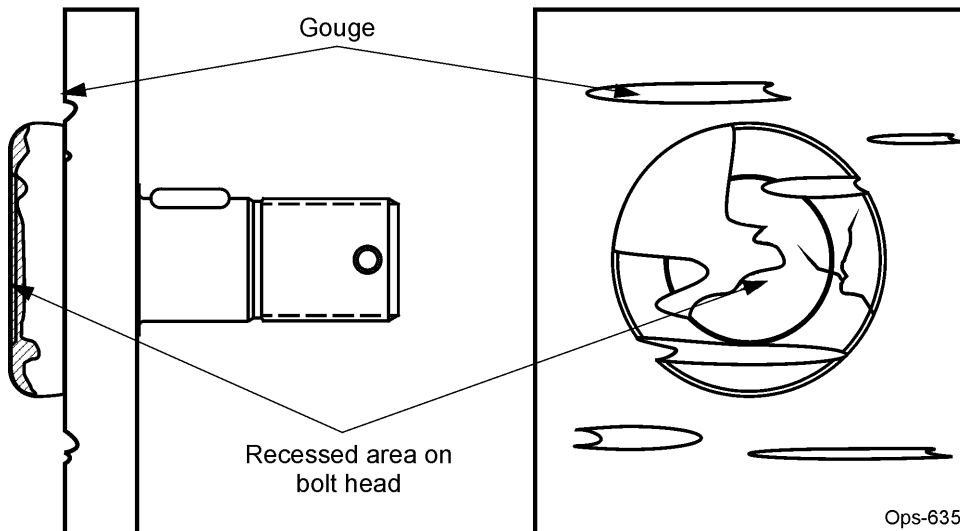
Cause: Blade Bolt contacts a foreign or solid object while Blade is in motion.

Remedy: Inspect the area before mowing to determine where the foreign objects are located and place visible hazard markers to identify the areas where immovable foreign objects exist, and avoid hitting the objects.

Notches and Gouges

Cause: Blade Bolt contacting foreign objects.

Remedy: Inspect area to be mowed and remove foreign objects that could cause damage to the blade bolt.



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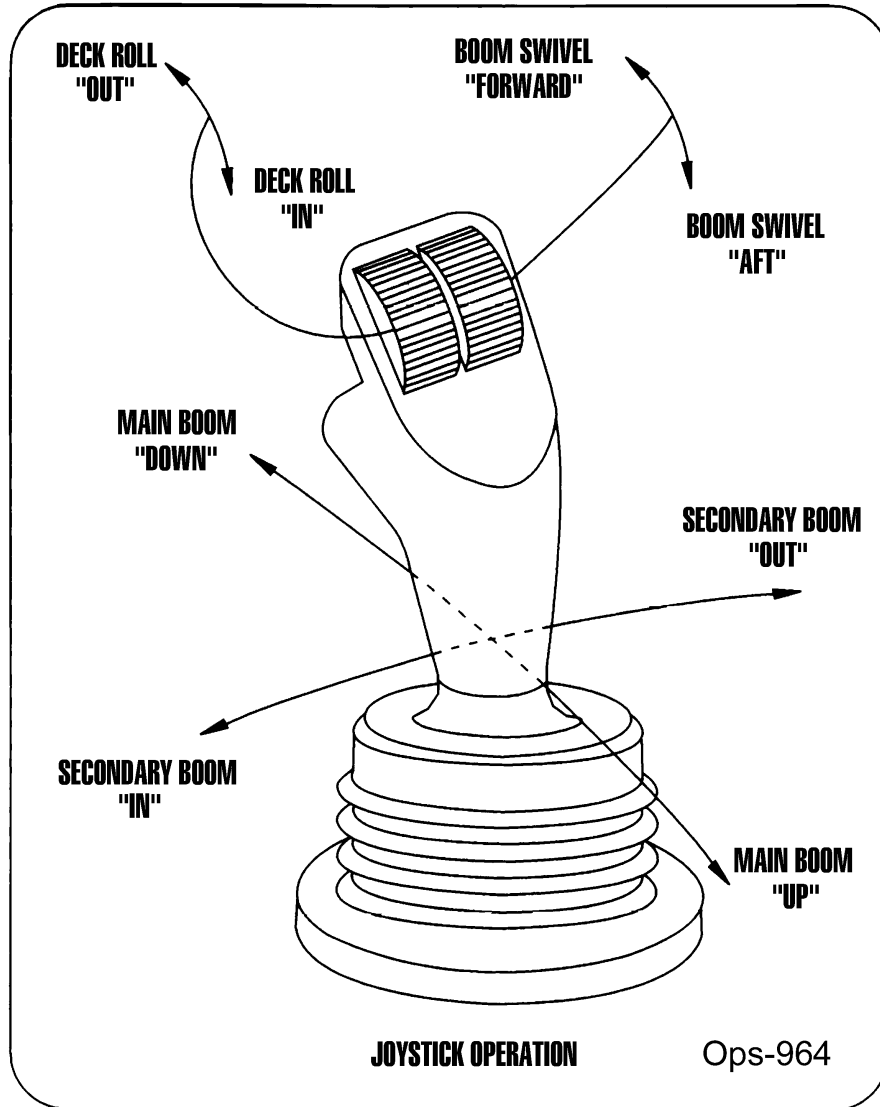
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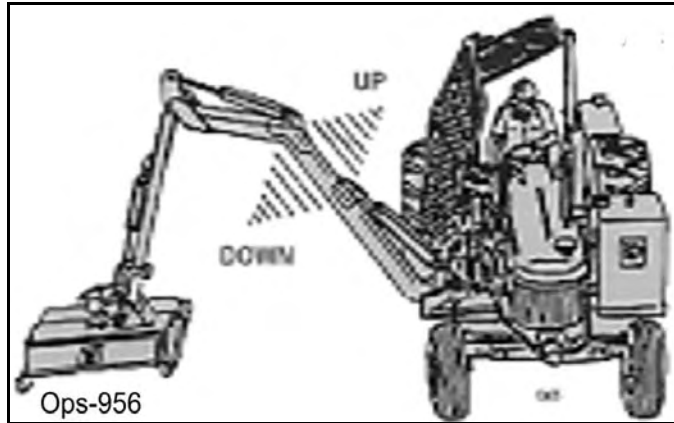
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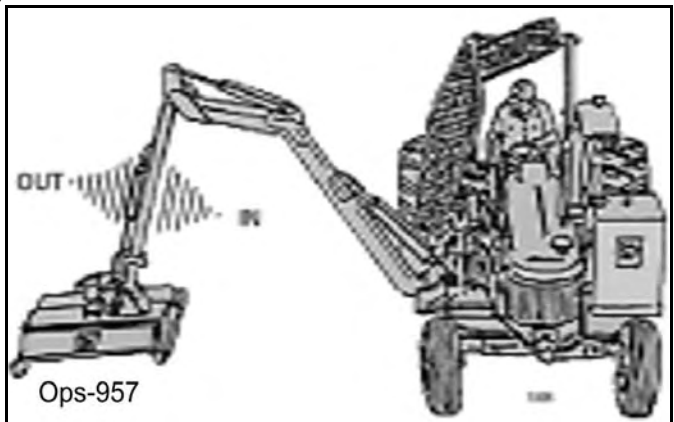
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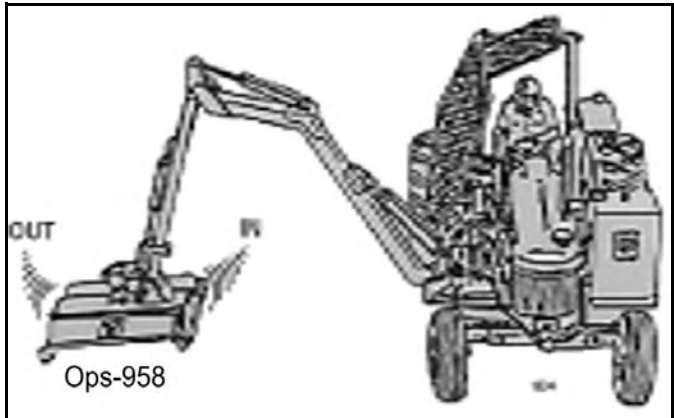
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RU'YUVWXS ABCDEF TUXOU VWXYZ ABCDEF



STUVW XYZ ABCD TUXOU VWXYZ ABCD



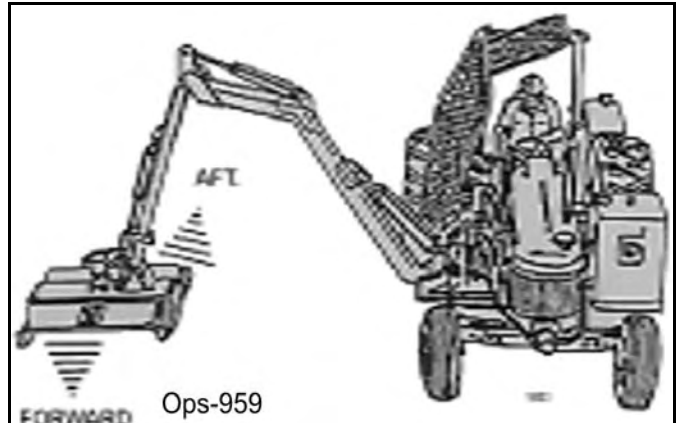
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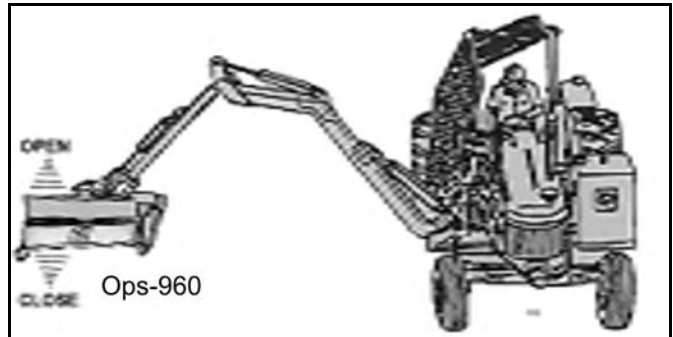
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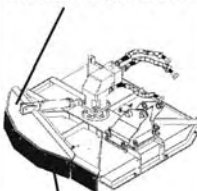
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DANGER

SAFETY SHIELD & DEFLECTOR OPERATION

SAFETY SHIELD



DEFLECTOR

- 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.

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

02967867

WARNING

പഠിപ്പിക്കുന്നവർക്ക് ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്. ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്.



WARNING

ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്. ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്.

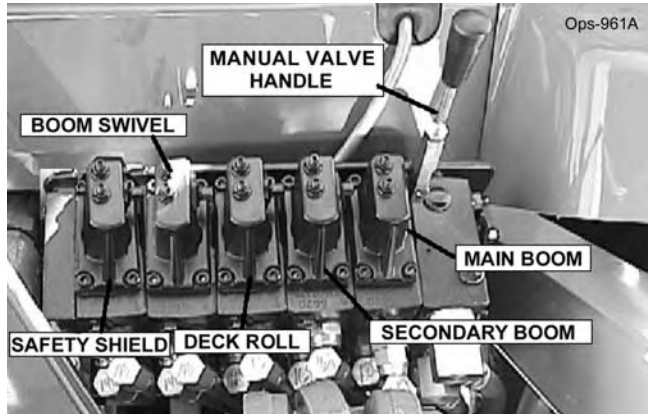
ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്. ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്.

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ഈ ഉപകരണങ്ങൾ ഉപയോഗിക്കുന്നതിന് മുമ്പ് ഉപയോഗ നിർദ്ദേശങ്ങൾ കർശനമായി പഠിക്കേണ്ടതാണ്.

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DANGER

SAFETY SHIELD & DEFLECTOR OPERATION

SAFETY SHIELD

DEFLECTOR

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- 3. Repair or replace Safety Shield and Deflectors as needed.
- 4. Always transport with Safety Shield and Deflector closed.

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CAUTION

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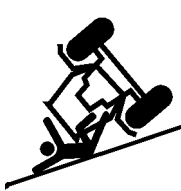
CD9F5HCB



Við þessum árangursríkum verkefnum, þú hefur verið valdinn til að vinna með okkur og hjálpa okkur að bæta okkur. Þú ert einn af okkur og okkur er mikilvægt að þú sést og þú sést okkur. Þú ert einn af okkur og okkur er mikilvægt að þú sést og þú sést okkur.



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Op-24

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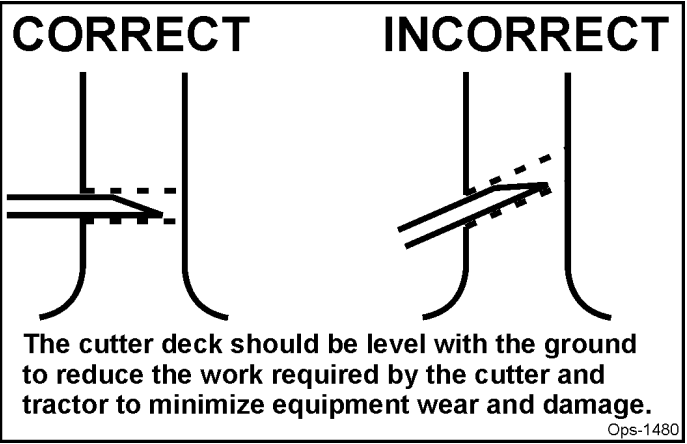
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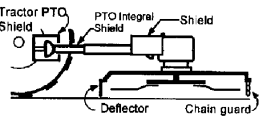
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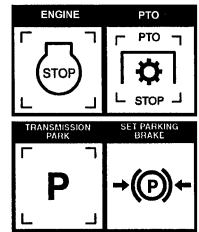
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Ops-1300



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Op-43

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Op-103

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Op - 48

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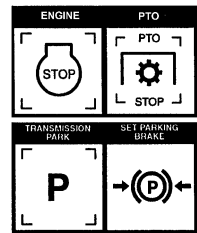
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CD9F5HCB

DANGER

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WARNING

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MAINTENANCE SECTION

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MAINTENANCE

MAINTENANCE

General Instructions

Va^i^A^T [, ^i^A^e^A^A^a^ } ^a^A^i^A^A^ @^i^i^i^ { a^ &^A^a^A^ *^ ^a^A^i^a^a^E^A^o^i^ a^o^a^ } |a^a^A^ a^a^ } a^ &^E^V^@]^i^i^ [^A^A^ A^o^A^A^&^a^ } A^ A^o^A^ a^ } a^A^A^A^ @^ |^A^o^A^]^i^a^i^ |A^A^o^A^A^ *^ |a^A^A^i^c^a^a^ *^ A^ A^o^A^ [, ^i^E^U^A^ *^ |a^ { a^a^ } a^ &^A^A^o^A^e^c^a^A^ ^ } a^A^ a^i^A^ *^ |o^A^A^o^A^ a^a^ { A^A^A^ } &^ A^a^A^]^ *^ A^A^A^ A^o^A^A^i^A^T [, ^i^E Y^ @^ } A^ [^A^]^i^ &^e^A^A^A^A^i^A^T [, ^i^A^ [^A^o^ [A^a^ ~^ a^A^a^]^ @^i^A^c^a^ a^i^A^e^o^A^E^V^a^i^q^A^ a^o^A^i^ *^ a^ a^a^ } E^U^i^ |a^ a^A^a^ a^A^A^A^ } o^A^i^c^a^A^A^o^A^A^ a^a^ } e^a^e^c^a^A^o^A^A^ *^ q^ { ^i^A^ a^a^ a^a^c^ } A^i^A^ a^ } A^A^a^o^E^V^a^i^A^ a^o^A^A^]^ A^]^ a^ @^ o^A^A^ { a^ a^A^i^A^A^A^ } &^ E^A^e^c^A^ a^A^ } a^ |a^ &^A^c^]^ &^e^c^a^A^o^A^A^i^A^T [, ^i^E

Maintenance Precautions

- " O^A^i^A^A^ } a^A^A^i^a^e^A^A^ } A^a^A^i^A^A^A^A^A^a^A^i^A^A^a^ *^ E^O^a^i^a^e^c^a^A^o^A^A^i^A^A^a^ } *^ E^A^o^E^A^ a^o^A^i^a^e^A^A^ , a^i^A^e^o^A^A^ { ^a^a^e^A^a^ a^E^
- " O^U^A^U^V^A^A^A^A^ [, ^i^A^i^a^e^A^A^ } A^i^A^i^a^i^a^e^A^a^a^ *^ E^V^@^o^A^A^ ~^ a^A^A^i^A^ { a^i^A^a^ a^A^c^a^o^a^ [^ } o^A^A^ |^a^i^a^e^a^ } E^U^i^A^i^A^ A^o^A^A^c^a^i^A^ a^a^ } a^ &^A^A^&^a^ } A^i^A^]^ &^a^A^a^i^a^e^a^ } A^o^d^ &^a^ } *^ E^O^U^A^U^V^A^c^i^E^ *^i^a^e^A^A^a^a^ *^ E^
- " S^c^a^A^ a^ [, ^A^ @^ |^a^A^A^ a^ @^a^A^ a^o^i^ a^a^A^ [a^i^A^A^c^i^ *^]^ o^a^ a^A^i^A^ a^ { A^ a^i^E^A^ *^ A^A^ [^o^i^a^A^ A^]^ []^ *^ A^i^A^ [^o^i^ o^E^O^U^A^U^V^A^A^A^a^e^ a^A^i^A^A^ a^a^A^i^a^e^c^a^A^o^A^A^i^A^A^]^ A^A^A^ &^a^i^o^A^ } A^c^a^A^ a^ a^ [, ^A
- " O^A^A^i^o^A^A^ a^a^ } a^ &^A^a^a^e^i^o^A^ &^o^A^o^A^e^c^a^A^o^A^A^i^A^A^i^A^a^ *^ ^E^@^a^i^a^e^ |a^A^A^i^c^ |^A^a^ @^A^ *^ a^ *^ E^A^o^E^A^a^A^o^A^A^ ~^ a^a^A^a^c^a^ } A^i^A^i^A^ &^o^a^ } A^i^A^i^A^i^ { a^ } A^a^e^i^E^
- " U^A^i^a^e^A^A^A^]^i^ *^ A^i^ [A^i^o^ ~^ |^a^a^A^o^c^ } *^ A^ a^e^A^e^o^A^e^c^i^c^ } o^A^e^c^ a^a^ } A^A^ |^a^a^i^o^E^A^i^A^a^a^]^ A^i^A^a^e^A^A^A^]^ []^i^o^o^A^A^]^ |^a^ *^ E^O^i^i^A^A^a^ }]^ &^a^ *^ A^a^ ^A^o^o^A^A^c^A^i^o^o^i^A^A^ @^ a^a^ *^ A^i^a^c^ |^A^E^A^ *^ ^c^a^ *^ A^c^i^A^]^ A^i^ []^ a^A^a^A^e^c^ a^a^ *^ A^o^c^a^c^A^o^a^ a^i^o^E^



O^A^i^A^A^]^i^a^e^A^A^o^A^o^ ~^ a^ { }^o^i^ a^o^@^a^i^a^e^ |a^A^a^i^A^A^i^A^A^a^a^ *^ E^U^A^a^ a^a^A^i^A^A^A^c^]^ |^a^A^A^a^A^o^a^A^i^A^A^ &^A^A^i^ |^a^A^i^A^A^ } o^A^A^e^ a^a^E^A^O^]^ []^o^e^ &^A^i^A^A^a^A^ a^o^A^i^]^i^A^o^a^A^A^A^e^]^i^o^o^i^A^A^d^a^a^ *^ A^i^ []^ a^i^a^e^o^A^A^a^A^A^i^ |^a^A^A^]^d^e^A^o^A^A^i^a^a^ } a^A^a^e^o^A^A^ ~^ A^A^a^ a^e^A^ a^ &^i^ a^a^ *^ A^a^ *^i^A^]^E^A^i^A^e^c^a^A^o^A^A^i^A^A^a^ E^U^P^W^A^o^A^A^ } a^O^o^O^o^ U^O^o^A^ a^A^A^ []^c^A^a^A^o^a^i^a^e^ |a^A^i^o^o^i^]^E^A^i^A^a^A^a^]^]^]^d^e^a^i^A^i^c^A^E^ *^e^c^A^]^a^e^o^o^A^a^a^A^o^a^a^ |^a^a^A^e^c^a^A^o^A^A^i^A^c^a^a^ } &^A^A^i^A^A^a^e^E^A^c^]^i^A^A^]^ &^o^a^A^a^ E^U^O^T^U^X^O^A^o^A^P^U^U^O^A^a^A^o^e^A^A^o^c^a^a^A^o^A^a^i^E^ q^i^a^A^ [^o^A^A^]^d^e^A^o^A^A^i^a^e^E^A^o^A^o^A^i^A^A^a^a^a^ { ^a^a^e^i^A^a^e^]^ @^o^A^a^A^]^ [,]^a^ *^ a^a^i^A^a^a^ } a^A^i^A^a^A^o^A^A^i^]^ &^a^i^A^A^a^o^E^i^D



Break in Period

Q^A^a^a^a^ } A^i^A^i^ []^ , a^ *^ A^o^A^i^A^A^e^A^A^e^o^d^ &^a^ } *^ A^i^A^i^]^i^A^a^e^c^ |a^A^a^e^c^ |E^A^o^A^e^c^]^A^o^a^i^a^e^ |a^A^i^A^c^i^A^ @^ ~^ |^a^A^A^]^ |a^A^a^e^c^i^A^o^A^A^o^o^i^A^ @^]^i^A^A^i^c^a^A^E^V^@^]^a^e^e^i^A^o^A^A^c^i^A^ @^]^ |a^A^A^A^]^ |a^A^a^A^c^i^A^i^E^A^]^i^]^i^A^a^e^c^i^A^i^A^ { ^A^A^e^c^

U^A^e^i^]^ ~^ A^A^ @^]^i^A^ *^ A^e^e^i^A^a^o^A^A^A^o^]^i^A^A^]^i^a^e^c^ } A^a^a^i^A^i^a^a^a^A^o^]^a^e^e^i^E^U^A^A^i^]^ ~^ A^A^]^ &^a^a^e^a^ } *^ |a^c^a^A^A^A^o^A^c^a^c^i^q^A^A^i^c^a^A^A^ a^i^a^A^i^A^ []^i^A^a^e^c^ |a^A^ []^a^i^E^A^Wheel lugs must always be re-torqued whenever a wheel is removed and reinstalled.

U^a^a^i^ T^ a^a^ } a^ &^A^U^A^&^a^ } A^ E^G

MAINTENANCE

WEEKLY OR EVERY 40 HOURS

| ITEM | SERVICE | COMMENTS |
|---------------|---------|------------------------|
| Ù æ^ ÁÚ] ã á | Š à ææ | Ôç^ Á ÉÁQ ~ • Á Á ~ |

WEEKLY OR EVERY 50 HOURS

| ITEM | SERVICE | COMMENTS |
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10 micron filterD | Ôæç * ^ | Ôæç * ^ Áæç! Áá•ç Á ÉÁQ ~ • Á Éæç} Á
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ç Á• çæç } Á áææ É |
| Q Éä ^ Á á @Ú ^•• ~ ^
Qæç!
10 micron filterD | Ôæç * ^ | Ôæç * ^ Áæç! Áá•ç Á ÉÁQ ~ • Á Éæç} Á
^ç^ Á ÉÁQ • É Áæç Á Áá áææ á Á Á
ç Á• çæç } Á áææ É |

MONTHLY OR EVERY 150 HOURS

| ITEM | SERVICE | COMMENTS |
|--|--|--|
| P^ á æ æç ~ æ Áç^ Á
P^ áÉæ \ Á^ áæç! | Ô@ &
Ô æç @ & ~ æç | Çááæ Á ^ á á
Ô æç Á Á æç
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F É È
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Á Á Á Á | |

YEARLY OR EVERY 500 HOURS

| ITEM | SERVICE | COMMENTS |
|--|---------|--|
| Ú] ã á Á^ áæ ^ | Ôæç * ^ | |
| P^ áÉæ \ Áç ~ æ | Ôæç * ^ | |
| Q Áæ \ Á^ áÉQ ~ æ Áçç!
10 micron filterD | Ôæç * ^ | |
| Q Éä ^ Á Úæç!
10 micron filterD | Ôæç * ^ | Á Á !
Ôæç * ^ Á @ } Á áææ á
á Á• çæç } Á áææ É |
| P^ áÉæ \ Á^ áæç! | Ôæç * ^ | |

Ùæç! T æç } æ & Á^ áç } Á È

MAINTENANCE

MAINTENANCE

TROUBLESHOOTING

MAINTENANCE

| SYMPTOMS | CAUSE | REMEDY |
|-----------------------------|---|--|
| Vibration | <p>FEŠ [• ^ Á] 0</p> <p>GEŠ ~ 0! Áe • ^ { à`</p> <p>ÁÁÁV àačč & á</p> | <p>FEŠO @ & ÁÁ/Á [0 Áá áÁš @ } Áš</p> <p>ÁÁÁÁ ^ & { { ^ } á^ áÁš ~ ^ Á } ^ & áááá } •</p> <p>GEŠO @ & Áš Ášš š ^ Áš šá • Áš á &</p> <p>ÁÁÁÁ Áš 0! Á @ 00ÁÁ šá Áš ^ á^ áÉ</p> <p>GEŠO @ & Áš Áš á^ ÁÁ] ^ ÁÁ 0É</p> <p>ÁÁÁÁ } čš * ^ áš Á @ Áš 0! Áe • ^ { à`</p> |
| Mower will not lift | <p>FEŠ ^ áÉč áÁš </p> <p>GEŠ áe • Áš Áš ^</p> <p>HEŠč č Á á Áš čč ^</p>
<p>I ÉŠá \ áÁ Á & ^ á</p> <p>I ÉŠč č Áš áš á!</p> | <p>FEŠO @ & Áš áÁ ^ á Á ^ áÁč áš</p> <p>GEŠV á @ } Á Á ^ šá Áš čč * • Áš áÁč • •</p> <p>HEŠO @ & Áš ^ • • ^ Áš Áš ^ ÉŠá ^ Á</p> <p>ÁÁÁÁ ^ • • ^ Áš Á [] č Áš čč ^ Á @ } áÁ ^</p> <p>ÁÁÁÁ Áš áe čč ÉÁÉÉÉÉ</p> <p>I ÉŠO ^ áš Á Á ^ šá Áš ^ •</p> <p>I ÉŠO ^ áš Á Á ^ šá Áš áš Áš áš á!</p> |
| Mower will not start or run | <p>FEŠ [, } Á • ^</p> <p>GEŠ 0! Áš čč ^ • Áš • ^ á</p> <p>HEŠ , Áš Áš ^ </p> <p>I ÉŠá ^ Áš áe</p>
<p>I ÉŠO ^ áč [] š</p> <p>ÁÁÁ [} [áÁš č</p> | <p>FEŠO @ & Áš • ^ Áš ^ č ^ Á } Á [, ^ Á , áš @ Á</p> <p>ÁÁÁÁš áÁš } áš } ÉV šá</p> <p>GEŠV á áÁ ^ ^ Áš čč ^ • Áš ^ Á ^ }</p> <p>HEŠO @ & Áš ^ áÉč áš Áš áÁš </p> <p>I ÉŠO @ & Áš Áš Áš čč * • Áš áÁš ^ • É</p> <p>ÁÁÁÁ ^ Éš @ } Á Á ^ šá</p> <p>I ášV áč ~ 0! 0! Áš čč Á ^ } á * Éš } Á</p> <p>ÁÁÁÁ @ Á [, ^ Á , áš @ Áš ÉČÁ </p> <p>ÁÁÁÁš áá Áš Áš Á [0! 0! áÁš @ Á</p> <p>ÁÁÁÁ [} [áÁš ^ } * š @ Á } [á</p> <p>ÁÁÁÁ [} [ÉČÁ Áš Á [0! 0! áÁš ^ š</p> <p>ÁÁÁÁ , áš @ Áš } Á [• áš } Áš áÁš á0š</p> <p>ÁÁÁÁ & ^ , áš áÁš Áš 0! Áš ^ áš áš & É</p> <p>ÁÁÁÁš ~ & @ @ Á { áš ^ 0! } Á @ Á } áÁš Á @ Á</p> <p>ÁÁÁÁ [} [áÉČÁ @ Á ^ áš áš áš & 0! Á [c</p> <p>ÁÁÁÁš áš áš ^ Áš Á @ Á ^ čš @ & Áš • ^</p> <p>ÁÁÁÁš áš áš * Áš Áš Á ^ } Áš & áÉČÁ @ Á</p> <p>ÁÁÁÁš áš & 0! Áš áš áš áš ^ Áš Áš Á</p> <p>ÁÁÁÁ @ š áÉÁ ^ šá Á @ Á [} [áÉ</p> <p>I áÉÁV ^ { č Á @ Áš ^ Áš 0! Áš áš * Á @ Á</p> <p>ÁÁÁÁ { áš & Áš Á @ Áš áš & Éš áé</p> <p>ÁÁÁÁš áÁ { č Á { áš & Áš áš *</p> <p>ÁÁÁÁš áš Á [0! Áš š ^ Áš Éš * • Éš É</p> <p>ÁÁÁÁ ^ áš Áš Áš áÁ Éš • áš É</p> <p>I & ÉÁV ^ { č Áš áš ^ Áš ^ 0! } Áš áÁš Áš ^</p> <p>ÁÁÁÁš áš & ÉÁV ^ { č Áš áš * Éš áÁ ^ Á</p> <p>ÁÁÁÁš ^ á Á [• ^ áš ^ Áš áš Áš Á {</p> <p>ÁÁÁÁš & ÉŠO @ & Áš & Áš Áš } čš áš •</p> <p>ÁÁÁÁš áÁ & áš @ • É</p> <p>ÁÁÁÁ ^ áš Áš áš Á ^ šá Áš áš @ áÉ</p> |

Ušá! T šš č } áš & Áš ^ & č } Áš

MAINTENANCE

TROUBLESHOOTING (Continued)

MAINTENANCE

| SYMPTOMS | CAUSE | REMEDY |
|---|------------------------------|------------------------------|
| Motor runs but will not cut | FEEDING
GAULT | FEEDING
GAULT |
| Mower turns slowly or not at all | FEEDING
GAULT
HESITANT | FEEDING
GAULT
HESITANT |
| Pump will not work | FEEDING
GAULT | FEEDING
GAULT |
| Motor will not work | FEEDING
GAULT | FEEDING
GAULT |

NOTE: ...

MAINTENANCE

LUBRICATION RECOMMENDATIONS

MAINTENANCE

| | | | Ü^&[{ { ^} à^à
Mobil Lubricant |
|--|------------------------------|---|--|
| Ö^ & ä ç }
Viæç P^ à!æ æ• Á | Ö] ææ }
Ü^•^!ç[ä | Ö^ ^! çÄ] ^ & æææ }
RÖËËÖ | T [äq~ äí Á G |
| T [, ^! P^ à!æ æ• Á
Ö [ä^ ^ { } ^!æ ^• Á
ÜæçM
P [{ ç^ ^ { } ^!æ ^• Á
Fí » ÄÜæçM Á | Ü^•^!ç[ä | ÖÜÁÍ Á çæ ^æË , Á^ { }
ÖÜÁÍ Á çæ ^æ | T [äqÖVÖí Á Í T
P` ç í Pí Í Ä [äqÖVÖí G Á |
| ÖæÄÜæ^Öæà ç
Ü^•^!ç[ä | Ü^•^!ç[ä | ÜÖÜÁ^ } @ çÄ^ çd^ ^
Ü!•• ^! ^Öæ^S^ à^ | T [äqí ÁÜ^ } @ çÄ^ çæ
S^ à! çæ çSUÁÍ Y È ÈÄ [äq
Ö^ çæÄ^ } @ çÄ^ çæÄÜä
íí Y ÈÈ |
| Ö^ ç^! Ä @ çBÄÖ! [^ }
Ü [^! Ä @ çD | Ü^•^!ç[ä | Šæ { È [{ }] ^ ç
P S Ö Ç È Ü Á Ç È | T [äqÖ^ çæí Á d^ { ^! Ö! ^æ^
T [äq^! ^æ^ Ä Ö T È Ü |
| Ö! ç^ Ä @ çÖ [^] ^!
Ö! ç^ ä Ä [ç^ D | Ö! ^æ^ Ä Ö^ }
Ü^•^!ç[ä | Šæ { È [{ }] ^ ç
P S Ö Ç È Ü Á Ç È | T [äqÖ^ çæí Á d^ { ^! Ö! ^æ^
T [äq^! ^æ^ Ä Ö T È Ü |
| Ö! ç^ Ä @ çÄ [^ È
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| Ö [{ { Ä , ç^
Ö [{ { Ä^ ç à^! Ä ç ç
Ç [ç^ Ä ç Ä Ö [{ { D | Ö! ^æ^ Ä Ö^ } Á
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Ö^ & Ä ç] Ä ç • ç ^ } ç
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MAINTENANCE

MAINTENANCE

TORQUE SPECIFICATIONS

| Nominal Dia.
(in.) | threads per inch |  Grade 2 | | |  Grade 5 | | |  Grade 8 | | |  Grade 9 | | |
|-------------------------------------|------------------|---|------------------------|-----------------------|---|------------------------|-----------------------|---|------------------------|-----------------------|---|------------------------|-----------------------|
| | | Tightening Torque | | | Tightening Torque | | | Tightening Torque | | | Tightening Torque | | |
| | | Lubed
K = 0.15 | Dry Plated
K = 0.17 | Dry plain
K = 0.20 | Lubed
K = 0.15 | Dry Plated
K = 0.17 | Dry plain
K = 0.20 | Lubed
K = 0.15 | Dry Plated
K = 0.17 | Dry plain
K = 0.20 | Lubed
K = 0.15 | Dry Plated
K = 0.17 | Dry plain
K = 0.20 |
| Unified Coarse Thread Series | | | | | | | | | | | | | |
| 1/4 | 20 | 49 in-lbs | 59 in-lbs | 66 in-lbs | 76 in-lbs | 86 in-lbs | 101 in-lbs | 107 in-lbs | 122 in-lbs | 143 in-lbs | 126 in-lbs | 143 in-lbs | 168 in-lbs |
| 5/16 | 18 | 101 | 122 | 135 | 157 | 178 | 209 | 221 | 251 | 295 | 259 | 294 | 346 |
| 3/8 | 16 | 15 ft-lbs | 18 ft-lbs | 20 ft-lbs | 23 ft-lbs | 26 ft-lbs | 31 ft-lbs | 33 ft-lbs | 37 ft-lbs | 44 ft-lbs | 38 ft-lbs | 43 ft-lbs | 51 ft-lbs |
| 7/16 | 14 | 24 | 29 | 32 | 37 | 42 | 49 | 52 | 59 | 70 | 61 | 70 | 82 |
| 1/2 | 13 | 37 | 44 | 49 | 57 | 64 | 75 | 80 | 90 | 106 | 94 | 106 | 125 |
| 9/16 | 12 | 53 | 63 | 70 | 82 | 92 | 109 | 115 | 130 | 154 | 135 | 153 | 180 |
| 5/8 | 11 | 73 | 87 | 97 | 113 | 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 | 836 | 966 | 1288 | 1132 | 1283 | 1510 |
| 1 1/4 | 7 | 375 | 450 | 500 | 840 | 952 | 1121 | 1163 | 1363 | 1545 | 1817 | 1597 | 2130 |
| 1 1/2 | 6 | 652 | 783 | 869 | 1462 | 1657 | 1950 | 2031 | 2688 | 3162 | 2779 | 3150 | 3706 |
| Fine Thread Series | | | | | | | | | | | | | |
| 1/4 | 28 | 56 in-lbs | 68 in-lbs | 75 in-lbs | 87 in-lbs | 99 in-lbs | 116 in-lbs | 123 in-lbs | 139 in-lbs | 164 in-lbs | 144 in-lbs | 163 in-lbs | 192 in-lbs |
| 5/16 | 24 | 112 | 135 | 150 | 174 | 197 | 231 | 245 | 278 | 327 | 287 | 325 | 383 |
| 3/8 | 24 | 17 ft-lbs | 20 ft-lbs | 23 ft-lbs | 26 ft-lbs | 30 ft-lbs | 35 ft-lbs | 37 ft-lbs | 42 ft-lbs | 49 ft-lbs | 43 ft-lbs | 49 ft-lbs | 58 ft-lbs |
| 7/16 | 20 | 27 | 32 | 36 | 41 | 47 | 55 | 58 | 66 | 78 | 68 | 78 | 91 |
| 1/2 | 20 | 41 | 49 | 55 | 64 | 72 | 85 | 90 | 102 | 120 | 105 | 120 | 141 |
| 9/16 | 18 | 59 | 71 | 78 | 91 | 103 | 121 | 128 | 146 | 171 | 151 | 171 | 201 |
| 5/8 | 18 | 82 | 99 | 110 | 127 | 144 | 170 | 180 | 204 | 240 | 211 | 239 | 281 |
| 3/4 | 16 | 144 | 173 | 192 | 223 | 253 | 297 | 315 | 357 | 420 | 369 | 418 | 492 |
| 7/8 | 14 | 138 | 165 | 184 | 355 | 403 | 474 | 502 | 568 | 669 | 588 | 666 | 784 |
| 1 | 14 | 210 | 252 | 280 | 542 | 614 | 722 | 765 | 867 | 1020 | 896 | 1016 | 1195 |
| 1 1/8 | 12 | 298 | 357 | 397 | 668 | 757 | 890 | 1083 | 1227 | 1444 | 1269 | 1439 | 1693 |
| 1 1/4 | 12 | 415 | 498 | 553 | 930 | 1055 | 1241 | 1509 | 1710 | 2012 | 1768 | 2004 | 2358 |
| 1 1/2 | 12 | 734 | 880 | 978 | 1645 | 1865 | 2194 | 2668 | 3024 | 3557 | 3127 | 3544 | 4169 |

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

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

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

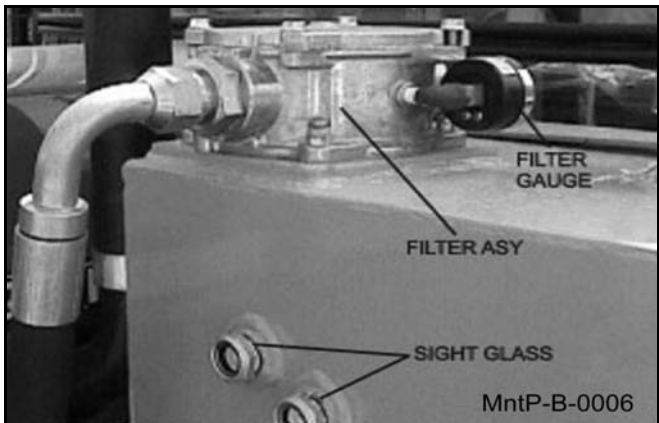
$$T = K D F$$

MAINTENANCE

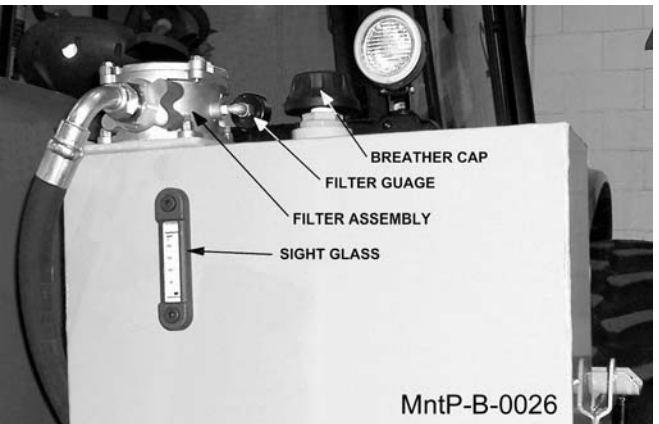
RECOMMENDED FILLING INSTRUCTIONS FOR HYDRAULIC RESERVOIRS

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DETAILED MAINTENANCE

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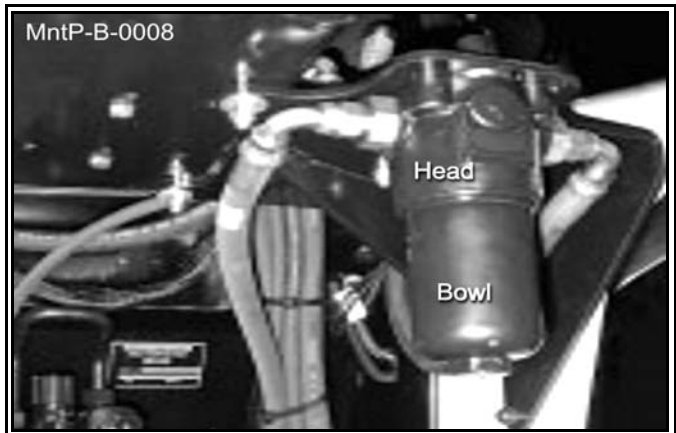
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MAINTENANCE

MAINTENANCE

DETAILED MAINTENANCE

REPLACING HIGH PRESSURE HYDRAULIC FILTER ELEMENT:



Example:
 V3.0510-06 (world line 100, HD049 model)
 The filter assembly consists of a head and a bowl. The bowl is located at the bottom of the assembly and is used to collect any debris that may pass through the filter element. The head is the upper portion of the assembly and contains the filter element. To replace the filter element, first remove the bowl from the head. Then, remove the old filter element from the head and insert the new one. Finally, reattach the bowl to the head.

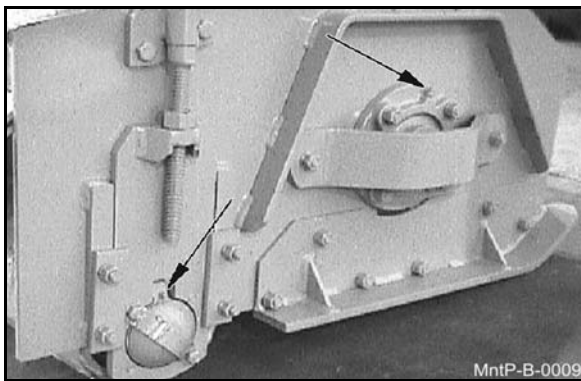
WARNING: bowl will be full of oil!

The filter assembly is used to filter the hydraulic oil from any debris that may be present in the system. It is important to inspect the filter element regularly and replace it when it becomes dirty or clogged. Failure to replace the filter element can result in reduced hydraulic system efficiency and may cause premature seal failure. Always use the correct type of filter element and follow the manufacturer's instructions for replacement. After replacing the filter element, check the oil level and top up if necessary. Finally, run the machine for a short period to ensure that the new filter element is working correctly.

GREASING CUTTERSHAFT - FLAIL MOWERS

The cuttershaft on flail mowers requires regular greasing to ensure proper operation and to prevent premature wear. Grease should be applied to the bearing points on the cuttershaft at regular intervals. Use a grease gun to apply the grease to the bearing points. Do not over-grease, as this can cause premature seal failure. Check the grease level regularly and top up if necessary. Grease the cuttershaft at 8 hour intervals.

CAUTION: Over greasing may cause premature seal failure.



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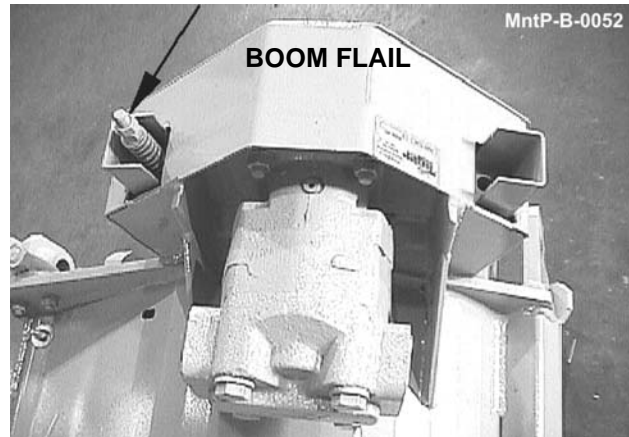
GREASING GROUND ROLLER SHAFT-FLAIL

Grease the ground roller shaft-flail at 8 hour intervals. **CAUTION: Over greasing may cause premature seal failure.**



ADJUSTING/CHECKING BELT TENSION

Adjust the belt tension on the boom flail. **(NOTE: Location of adjustment nuts may vary on flail cutter heads.) Be sure to replace the belt cover BEFORE operating mower!**

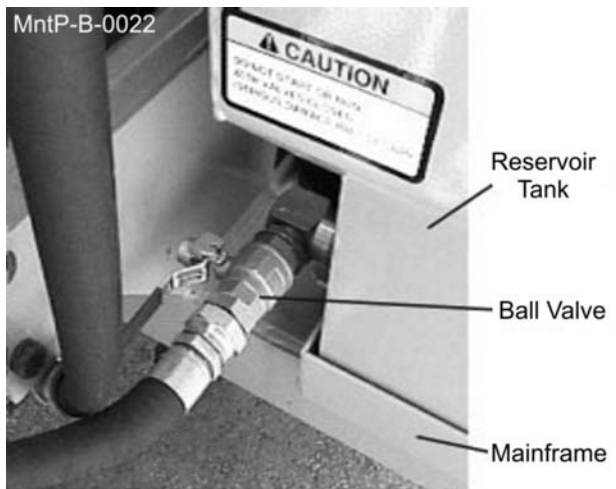


MAINTENANCE

MAINTENANCE

BALL VALVES

THE BALL VALVES MUST BE OPEN (handle parallel with valve) WHEN TRACTOR IS RE-STARTED OR PUMP IS COUPLED TO MOTOR OR PTO!



TIGHTENING KNIFE BOLTS AND DISK BOLTS:

BOOM ROTARY (SABER X3)

For the Boom Rotary (Saber X3), the knife bolts and disk bolts must be tightened to the specified torque. The torque values are listed in the table below.

| Location | Part | Torque (ft-lb) | Torque (Nm) |
|------------------------|------------|----------------|-------------|
| Boom Rotary (Saber X3) | Knife Bolt | 150 | 203 |
| | Disk Bolt | 150 | 203 |

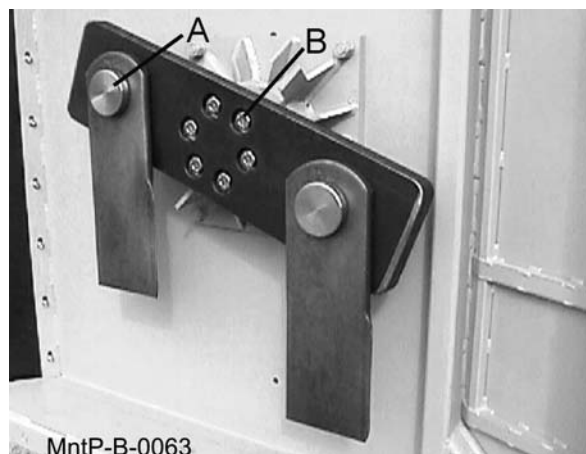


BOOM ROTARY

SABER ROTARY

For the Saber Rotary, the knife bolts and disk bolts must be tightened to the specified torque. The torque values are listed in the table below.

| Location | Part | Torque (ft-lb) | Torque (Nm) |
|--------------|------------|----------------|-------------|
| Saber Rotary | Knife Bolt | 150 | 203 |
| | Disk Bolt | 150 | 203 |



SABER ROTARY

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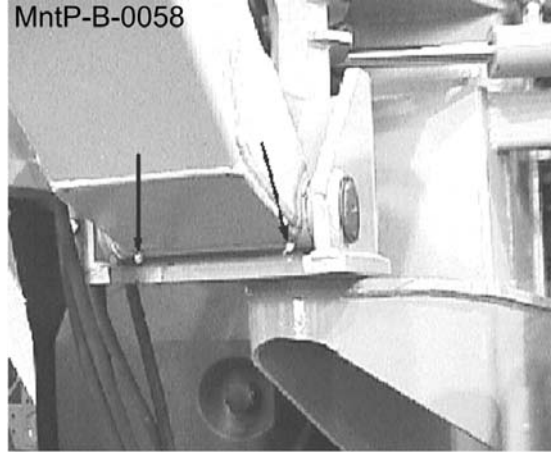
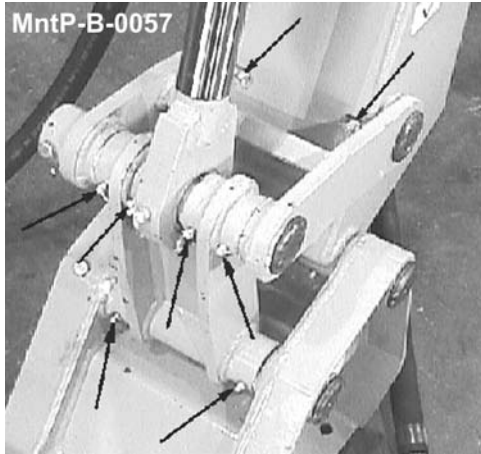
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MAINTENANCE

GREASING POINTS ON BOOM AND PIVOT

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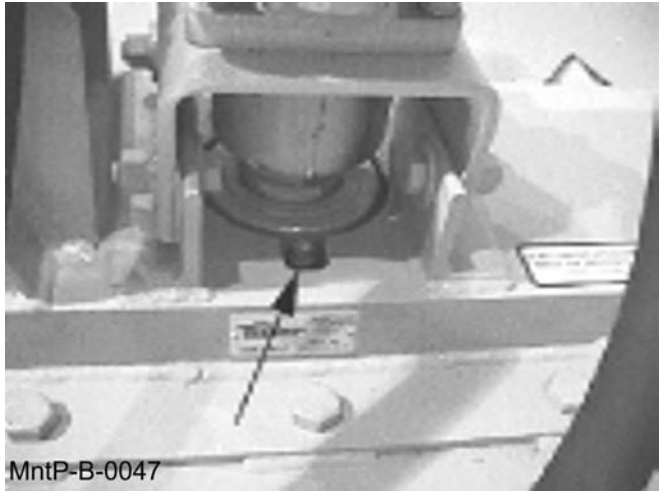
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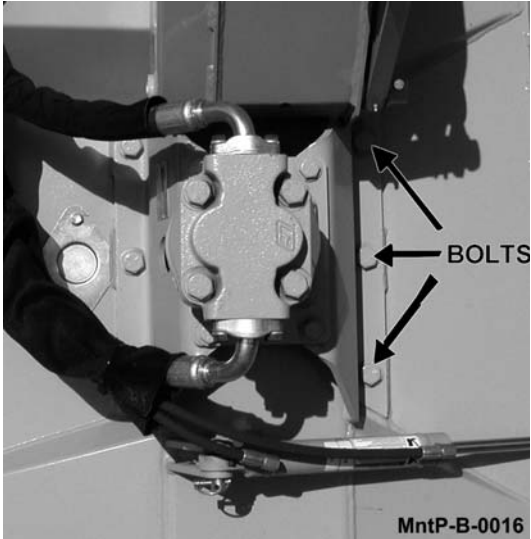
GREASING SPINDLE

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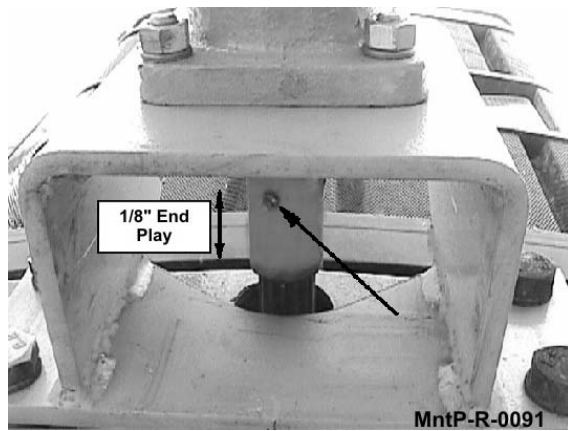
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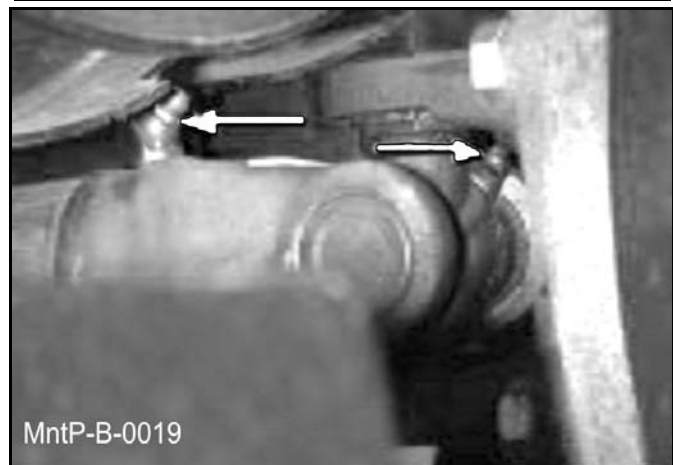
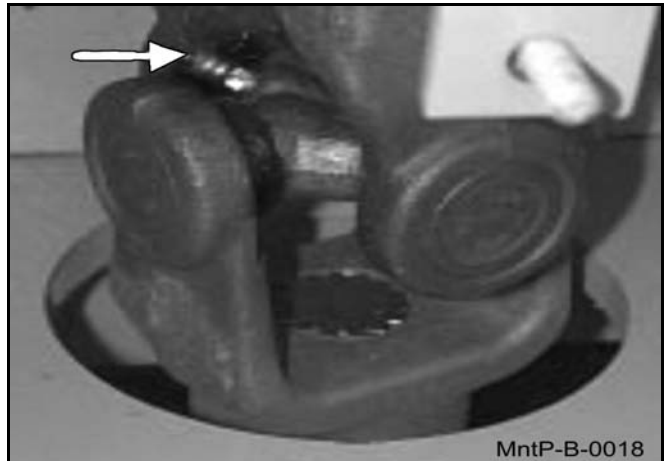
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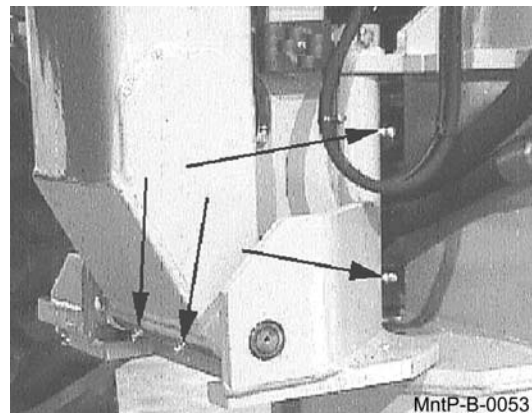
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MAINTENANCE

MAINTENANCE

GREASING THE BOOM SWIVEL

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MntP-B-0053

BOOM SWIVEL



MntP-B-0060

SABER SWIVEL

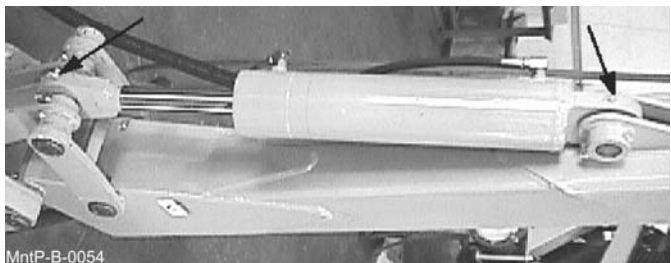


MntP-B-0061

SABER SWIVEL

GREASING BOOM CYLINDER(S) PIVOT POINTS

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MntP-B-0054

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MAINTENANCE

Blades

Always use the correct rotation direction for the blades. If the blades are not rotating in the correct direction, they can become a projectile and cause serious injury or death.

CAUTION

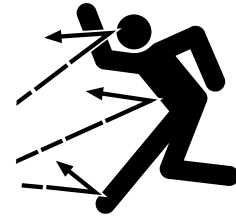
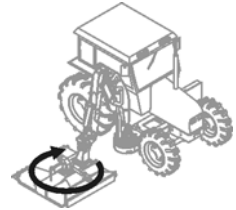
Always use the correct rotation direction for the blades. If the blades are not rotating in the correct direction, they can become a projectile and cause serious injury or death.

Important




Always use the correct rotation direction for the blades. If the blades are not rotating in the correct direction, they can become a projectile and cause serious injury or death.

WARNING

Always use the correct rotation direction for the blades. If the blades are not rotating in the correct direction, they can become a projectile and cause serious injury or death.



FÈ

| WARNING | ADVERTENCIA |
|---|--|
| <p>TO AVOID SERIOUS INJURY AND DEATH FROM THROWN OBJECTS:</p> <ul style="list-style-type: none"> ● MAKE CERTAIN blades rotate the correct direction. | <p>PARA EVITAR LESION SERIA O MUERTE POR OBJETOS LANZADOS:</p> <ul style="list-style-type: none"> ● ASEGURE que las cuchillas giran en la dirección correcta. |
| <h3>BLADE ROTATION</h3>  | |
| <h3>ROTACIÓN DE CUCHILLAS</h3> | |
| 
Return
Retorno
OSWO | 
Pressure
Presión
UOO |

D619

Use the correct rotation direction for the blades. If the blades are not rotating in the correct direction, they can become a projectile and cause serious injury or death.

MAINTENANCE

MAINTENANCE

ROTARY KNIFE REPLACEMENT (TRB 50)

1. Turn the engine off and disconnect the battery.

2. Remove the protective cap and the knife bolts.

3. Turn the knife clockwise until the cutting edge is facing the brush.

4. Remove the knife and inspect the mounting bolts.

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

ROTARY KNIFE REPLACEMENT (SABER 50" ROTARY)

1. Turn the engine off and disconnect the battery.

2. Remove the protective cap and the knife bolts.

3. Turn the knife clockwise until the cutting edge is facing the brush.

4. Remove the knife and inspect the mounting bolts.

REPLACEMENT OF ROTARY DISK (TRB 50)

1. Turn the engine off and disconnect the battery.

2. Remove the protective cap and the knife bolts.

3. Disks must be inspected daily for hairline cracks between spindle mounting bolts or around the knife mounting bolts. These cracks indicate metal fatigue caused by severe abuse. If cracks are present the disk must be replaced.

4. Turn the disk clockwise until the cutting edge is facing the brush.

5. Remove the disk and inspect the mounting bolts.

REPLACEMENT OF SABER 50" ROTARY BLADE BAR

1. Turn the engine off and disconnect the battery.

2. Remove the protective cap and the knife bolts.

3. Turn the blade bar clockwise until the cutting edge is facing the brush.

4. Remove the blade bar and inspect the mounting bolts.

5. Turn the blade bar clockwise until the cutting edge is facing the brush.

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MAINTENANCE

Blade Pins and D-Ring Inspection

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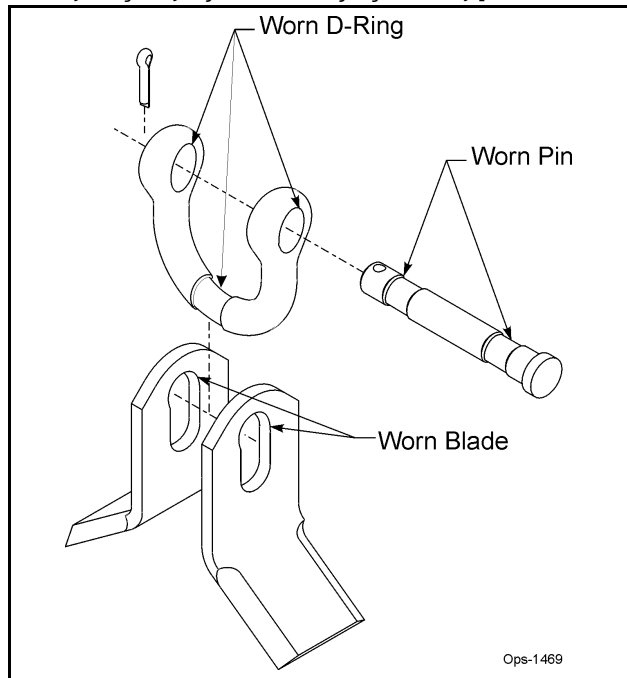
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MAINTENANCE

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MAINTENANCE

MAINTENANCE

Flail Axe Blade Bolt Inspection

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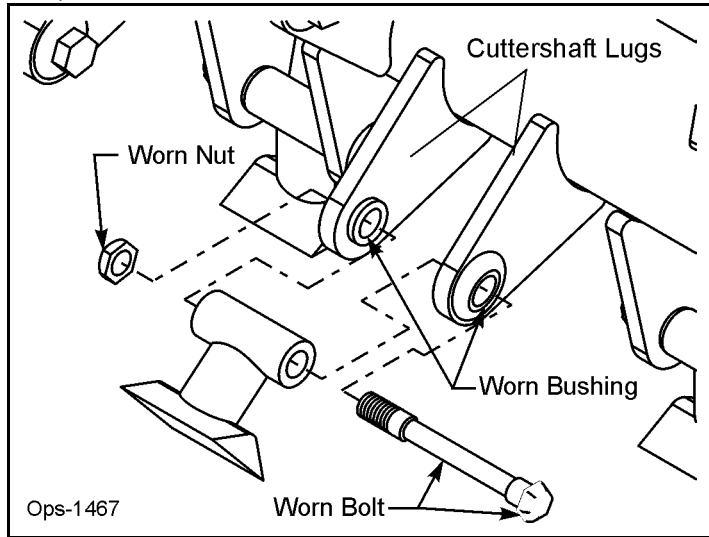


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50" FLAIL KNIFE BLADE REPLACEMENT

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MAINTENANCE



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



Knives should not be welded on for any reason.

63" BOOM FLAIL KNIFE REPLACEMENT

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- Í È V | ^ Á^ Á Á Á Á • È } á^ Á^ ~ Á , á * Á^ | È



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



Knives should not be welded on for any reason.

FLAIL AXE BLADE KNIFE REPLACEMENT

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



Knives should not be welded on for any reason.

MAINTENANCE

MAINTENANCE

HEAVY DUTY SPINDLE ASSEMBLY INSTALLATION AND BEARING ADJUSTMENT



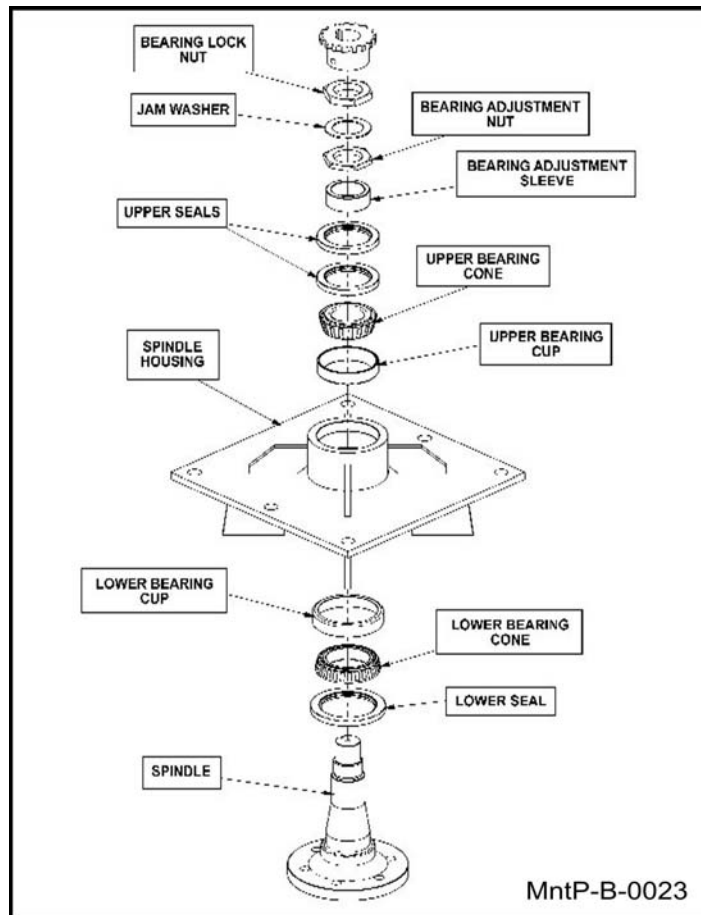
WARNING The grease zerk and gussets are located on the top side of the spindle housing. Be sure the spindle is assembled correctly.

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

The spindle assembly is shown in the exploded view below.

THE SPINDLE ASSEMBLY

The spindle assembly is shown in the exploded view below.



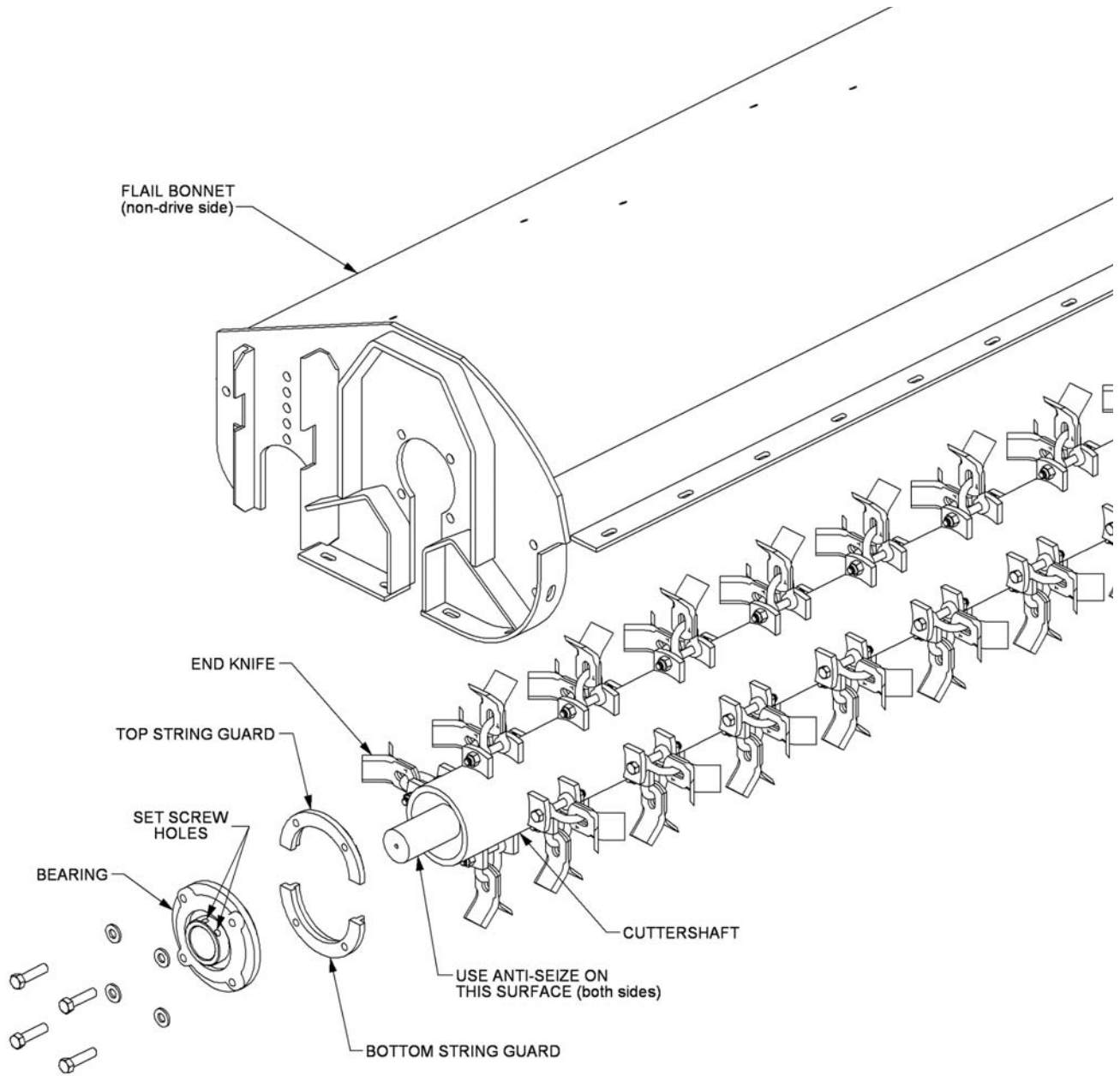
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PARTS SECTION

PART NAME INDEX

| | |
|---|----|
| RCTVUQTFGTPI I WFG | 5 |
| VTCEVQT O QWP V MKS | 6 |
| VTCEVQT O QWP V MKV / J [FTCWNIEU | 8 |
| CZNGDTCEGCPF DCVVTG[DQZ | : |
| O K / O QWP V XCNXG TGNQECVKP | 32 |
| LQ[UVKEMCPF UY KVEJ DQZ O QWP V | 34 |
| GNGEVTQP K RTQRQTVKQP CN NKHV XCNXG / NQCF UGP UC | 36 |
| GNGEVTQP K RTQRQTVKQP CN NKHV XCNXG / VGTTCI N K G | 38 |
| GNGEVTQP K RTQRQTVKQP CN NKHV XCNXG / RQY GT DG[QP F | 3: |
| GNGEVTQP K RTQRQTVKQP CN NKHV XCNXG / QRGP EGP VGT | 42 |
| VTCEVQT TGO QVGRNWO DPI / QRGP EGP VGT | 44 |
| O K TQT DTCEMGV | 46 |
| RQN[ECTDQPCVGUCHGV[Y K F QY | 48 |
| GZJ CWUV O QWP V / 8 E[N K F GT | 4: |
| DQQO TGVU CUUGO DN[/ UCDGT | 4; |
| DQQO TGVU CUUGO DN[/ UCDGT O D | 52 |
| DQQO TGVU CUUGO DN[/ UCDGT Z D | 53 |
| Y J GGN Y GK J V / UCDGT | 54 |
| Y J GGN Y GK J V / UCDGT O D I Z D | 56 |
| P QVGU 3 | 58 |

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.

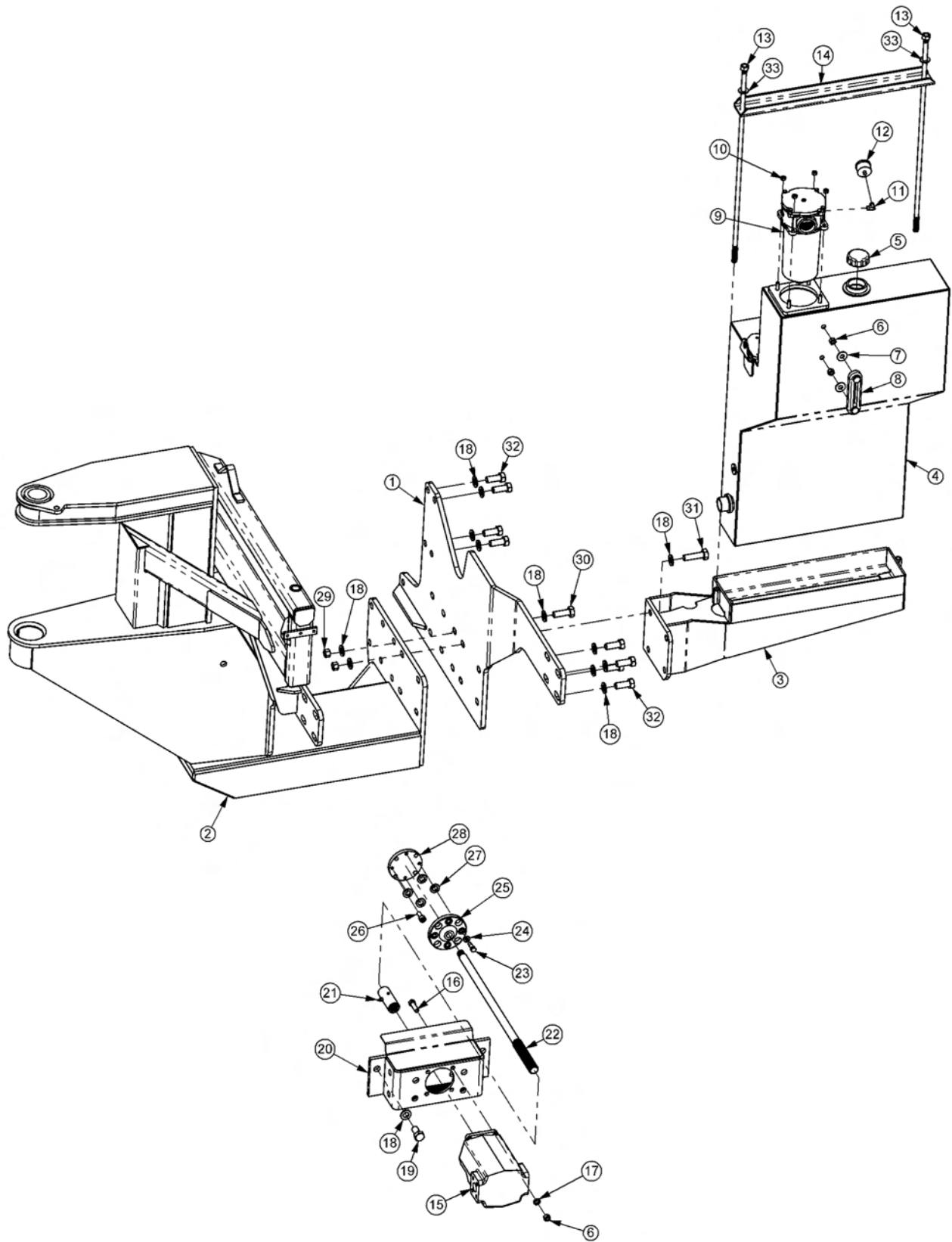


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

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



ΕΡΕΥΝΑ

ΓΕΩΡΓΙΑ

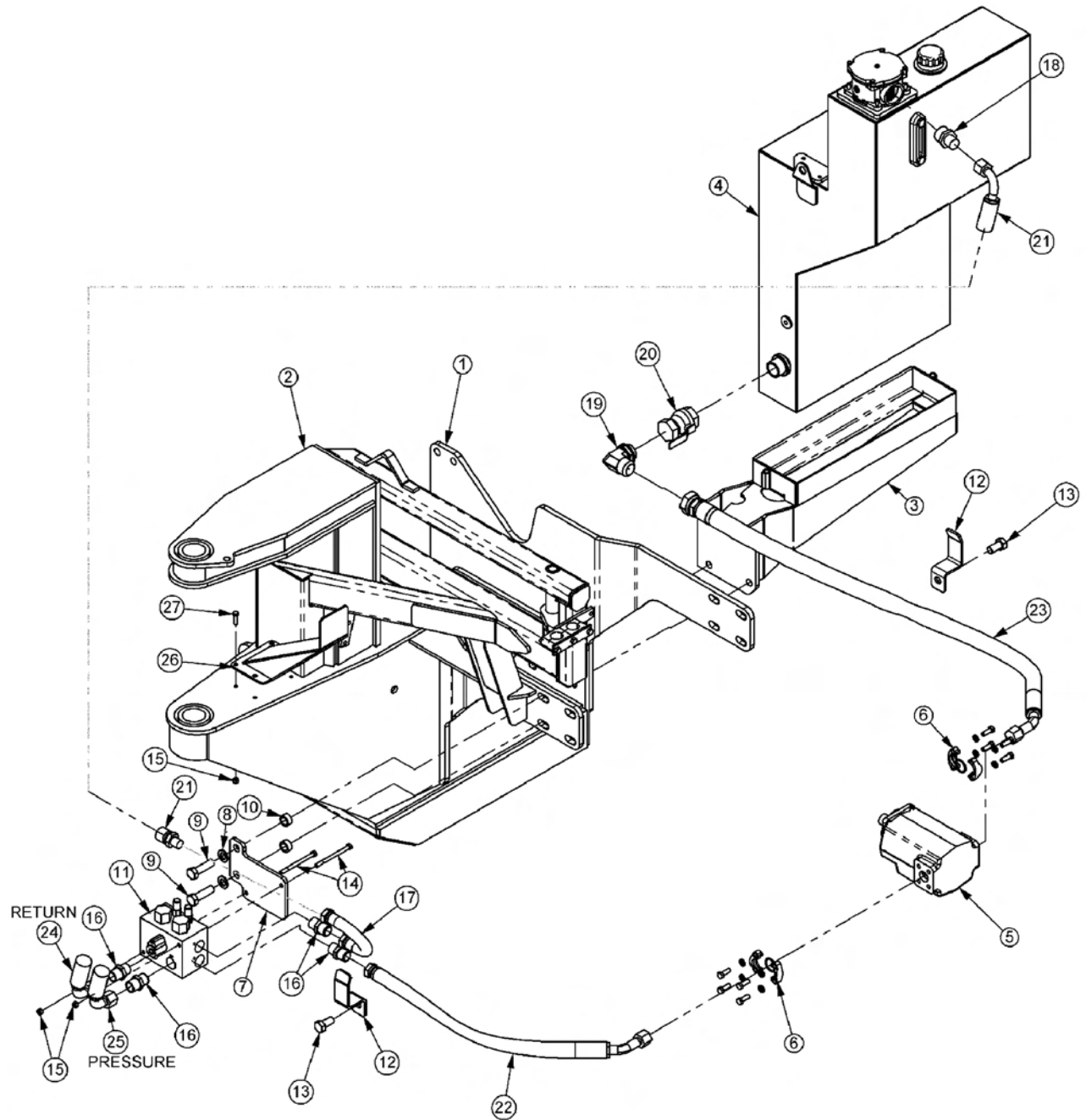
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TRACTOR MOUNT KIT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| 3 | 28522298 | 3 | HFO.NJ .UDT |
| 4 | 28522297 | 3 | OP HFO .UDT |
| 5 | 285222: 2 | 3 | OP V.VCPM |
| 6 | 285: 2234 | 3 | VCPMTGUGTXQK |
| 7 | 28727299 | 3 | ECRDTGCVJ GT |
| 8 | 43947 | 8 | J GZ'P WW.34\$.PE |
| 9 | 4423: | 4 | HNCVY CUI GT.34\$.Y KFG |
| : | 28727289 | 3 | UK J VI CWI G |
| ; | 28727266 | 3 | HNVT'CUUJ .R/VCPMERNV |
| 32 | 43849 | 6 | P [NQEMP WW.51 \$.PE |
| 33 | VH6: : : | 3 | UVTGGV'GNDQY .31 \$'Z"; 2 |
| 34 | 8V286; | 3 | HNVT'VI CWI G |
| 35 | 285: 2236 | 4 | VKG'DQNV.UK'G'VCPMJ [FTQ |
| 36 | 28632574 | 3 | EJ CPPGN.OP V.VCPMVKG'DQNV |
| 37 | 45374 | 3 | RWOR |
| 38 | 43954 | 6 | ECRUETGY .34\$'Z'3/516\$.PE |
| 39 | 43: ; 2 | 6 | NQEMY CUI GT.34\$ |
| 3: | 55: : 2 | 62 | HNCVY CUI GT.516\$.UCG |
| 3; | 46: 82 | 8 | ECRUETGY .420 O 'Z'620 O .40R |
| 42 | 5462: | 3 | RWOR'O VI 'DTMV |
| 43 | 8V2597D | 3 | EQWRNRI .36'URNR'G.Y I, GTM |
| 44 | 56846 | 3 | FTX'UI HRO R.4: /35138\$ |
| 45 | 28757222 | 6 | ECRUETGY .9138\$'Z'3/316\$.EWWQHH |
| 46 | 46: 59 | 6 | HNCVY CUI GT.9138\$.UCG |
| 47 | 53896 | 3 | ETPMUJ HV'CF RV.KI E"; ; 7"Y IQ"Y CUI |
| 48 | 28752725 | 6 | ECRUETGY .UMVJ F .340 O 'Z'520 O .307R |
| 49 | 28759226 | 6 | Y CUI GT.PGQRTGP G.07\$'Z'3017\$'Z'08; \$ |
| 4: | 28642228 | 3 | URCEGT.F TX'UI HV |
| 4; | 43: 47 | 32 | J GZ'P WW.516\$.PE |
| 52 | 43: 55 | 8 | ECRUETGY .516\$'Z'4/316\$.PE |
| 53 | 43: 57 | 6 | ECRUETGY .516\$'Z'4/516\$.PE |
| 54 | 53953 | 38 | ECRUETGY .420 O 'Z'720 O .40R |
| 55 | 55986 | 4 | HNCVY CUI GT.71 \$\$.UCG |

TRACTOR MOUNT KIT - HYDRAULICS

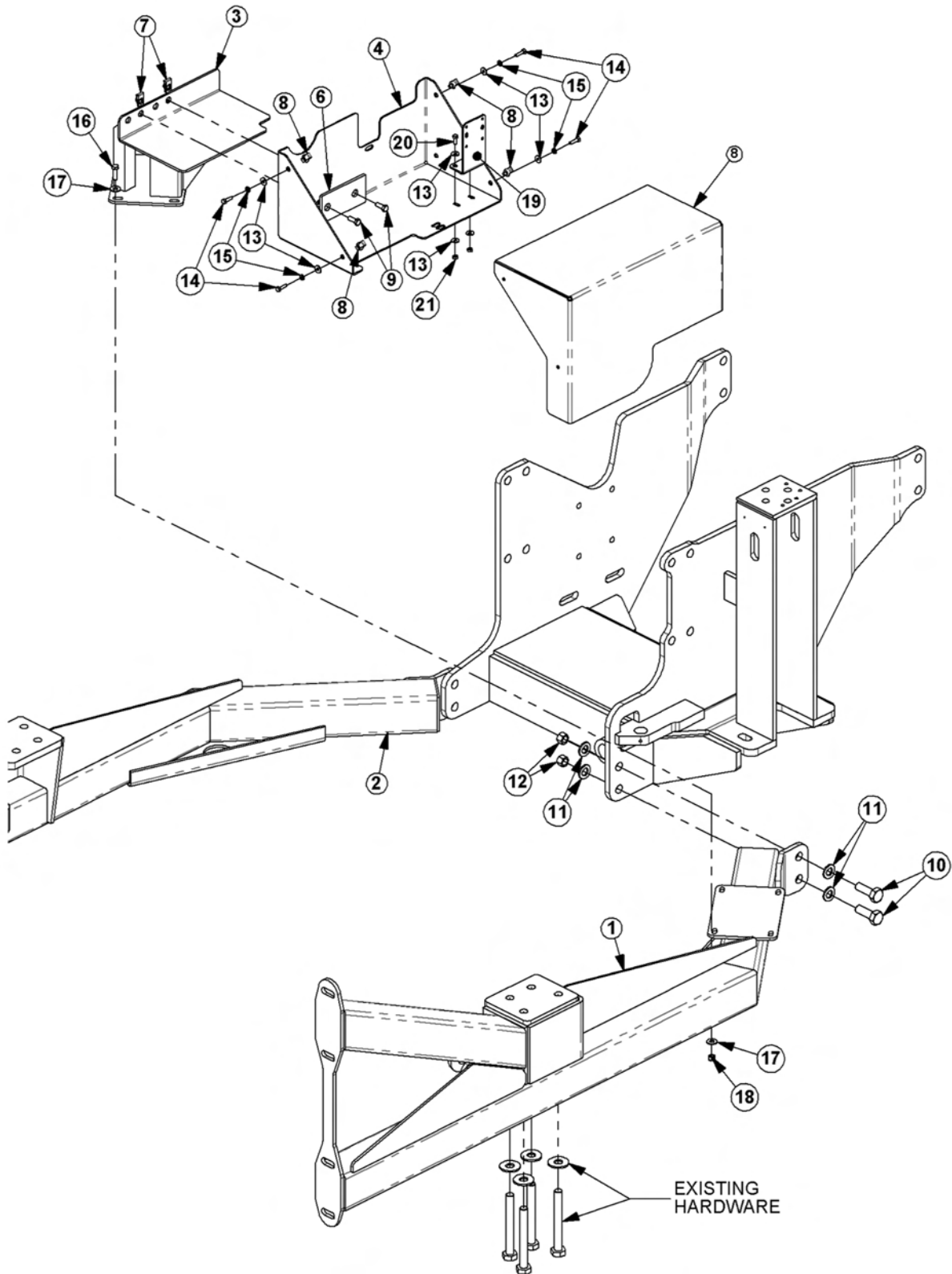


TRACTOR MOUNT KIT - HYDRAULICS

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---------------------------------------|
| 3 | 28522298 | 3 | HFO.NJ .UDT |
| 4 | 28522297 | 3 | OP HFO .UDT |
| 5 | 285222: 2 | 3 | OP V.VCPM |
| 6 | 289222; 2 | 3 | VCPMCUJ |
| 7 | 45374 | 3 | RWOR |
| 8 | VH6: 74 | 4 | MKV.HNCPI G.%42 |
| 9 | 28622336 | 3 | OP V.DTCMG'XCXNG |
| : | 55: : 2 | 4 | HNCVY CUJ GT.516\$.UCG |
| ; | 47563 | 4 | ECRUETGY .42O O 'Z '92O O .40R |
| 32 | 46: 6; | 4 | URCEGT.91: \$F 'Z'3'316\$QF 'Z'71: \$ |
| 33 | 287322: 6 | 3 | XCXNG.DTCMG.5722RUK |
| 34 | 545: 4 | 5 | DTCEMGV.J QUG |
| 35 | 46: 82 | 5 | ECRUETGY .42O O 'Z '62O O .40R |
| 36 | 43866 | 4 | ECRUETGY .51: '\$Z'7\$.PE |
| 37 | 43849 | 4 | P [NQEMP.WV.51: \$.PE |
| 38 | 55777 | 6 | CF CRVGT.3\$O QT'Z'3\$O L |
| 39 | 28728234 | 3 | RTHTOF .DTMXNX.6\$Z'3\$HLZ'Z'3\$HLZ |
| 3: | 56286 | 3 | CF CRVGT.3/316\$O QT'Z'3\$O L |
| 3; | 56877 | 3 | GNDQY .3/34\$O QT'Z'3/34\$O L |
| 42 | 5652; | 3 | DCNN'XCXNG.3/34\$HQT |
| 43 | 28722542 | 3 | J QUG.3\$Z'32; \$ |
| 44 | 28722288 | 3 | J QUG.3\$Z'59\$ |
| 45 | 2872252; | 3 | J QUG.3/34\$Z'92\$ |
| 46 | 28722587 | 3 | J QUG.3\$Z'33: \$*TGVWTP + |
| 47 | 28722586 | 3 | J QUG.3\$Z'345\$*RTGUWTG+ |
| 48 | 28592326 | 3 | I WFG.J QUGU |
| 49 | 43853 | 6 | ECRUETGY .51: '\$Z'3/316\$.PE |

AXLE BRACE AND BATTERY BOX

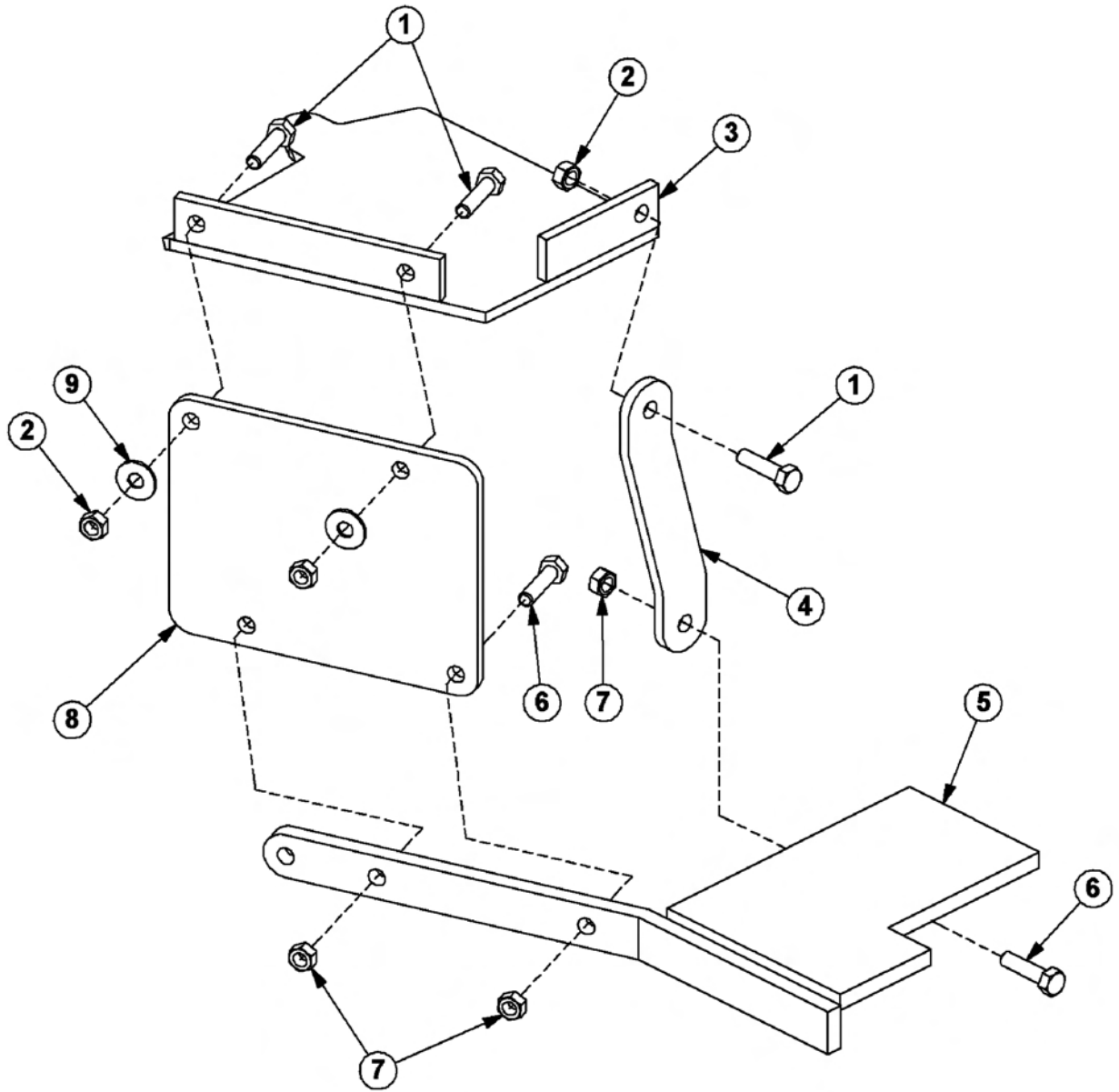


AXLE BRACE AND BATTERY BOX

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 06300031 | 1 | AXL BRC RH |
| 2 | 06300032 | 1 | AXL BRC,LH |
| 3 | 21825 | 2 | HEX NUT,3/4",NC |
| 4 | 33880 | 4 | FLATWASHER,3/4",GR8,SAE |
| 5 | 21833 | 2 | CAPSCREW,3/4" X 2-1/4",NC |
| 6 | 06370160 | 1 | MNT,BATT BOX |
| 7 | 06410146 | 1 | COVER,BOT,BATTERY BOX |
| 8 | 06410145 | 1 | COVER,TOP,BATTERY BOX |
| 9 | 32739 | 1 | PAD,BATTERY BOX |
| 10 | 06537029 | 2 | U-NUT,3/8",NC,3/4" TO CENTER |
| 11 | 35176 | 4 | U-NUT,1/4",NC,3/4" TO CENTER |
| 12 | 21630 | 2 | CAPSCREW,3/8" X 1",NC |
| 13 | 22014 | 8 | FLATWASHER,1/4" |
| 14 | 21530 | 4 | CAPSCREW,1/4" X 1",NC |
| 15 | 21986 | 4 | LOCKWASHER,1/4" |
| 16 | 21631 | 4 | CAPSCREW,3/8" X 1-1/4",NC,GR8 |
| 17 | 22016 | 8 | FLATWASHER,3/8",GR8 |
| 18 | 21627 | 4 | NYLOCK NUT,3/8",NC |
| 19 | 06410531 | 1 | MNT,CABLE,BATT (IF NECESSARY) |
| 20 | 21529 | 2 | CAPSCREW,1/4" X 3/4",NC (IF NECESSARY) |
| 21 | 21525 | 2 | HEX NUT,1/4",NC (IF NECESSARY) |

MID-MOUNT VALVE RELOCATION

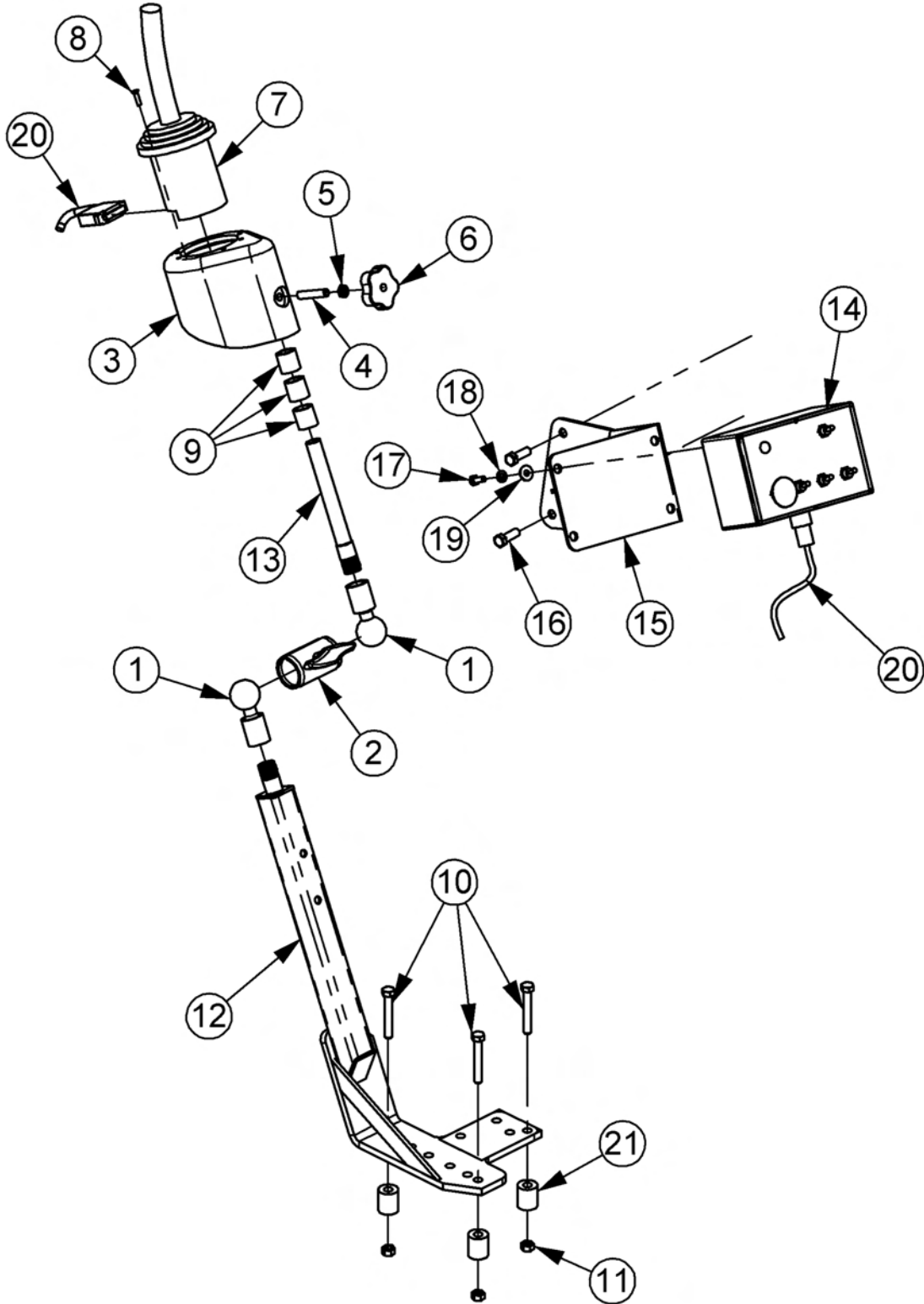


MID-MOUNT VALVE RELOCATION

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | ----- | 3 | CAPSCREW (EXISTING HARDWARE) |
| 2 | ----- | 3 | HEX NUT (EXISTING HARDWARE) |
| 3 | ----- | 1 | VALVE MOUNTING PLATE, TOP (EXISTING) |
| 4 | 06411134 | 1 | STRAP, VLV, RELOCATE |
| 5 | ----- | 1 | VALVE MOUNTING PLATE, BOTTOM (EXISTING) |
| 6 | 21581 | 3 | CAPSCREW, 5/16" X 1-1/4", NC |
| 7 | 21577 | 3 | NYLOCK NUT, 5/16", NC |
| 8 | 06401528 | 1 | PLATE, VLV, RELOCATE |
| 9 | ----- | 2 | FLATWASHER (EXISTING HARDWARE) |

JOYSTICK AND SWITCH BOX MOUNT

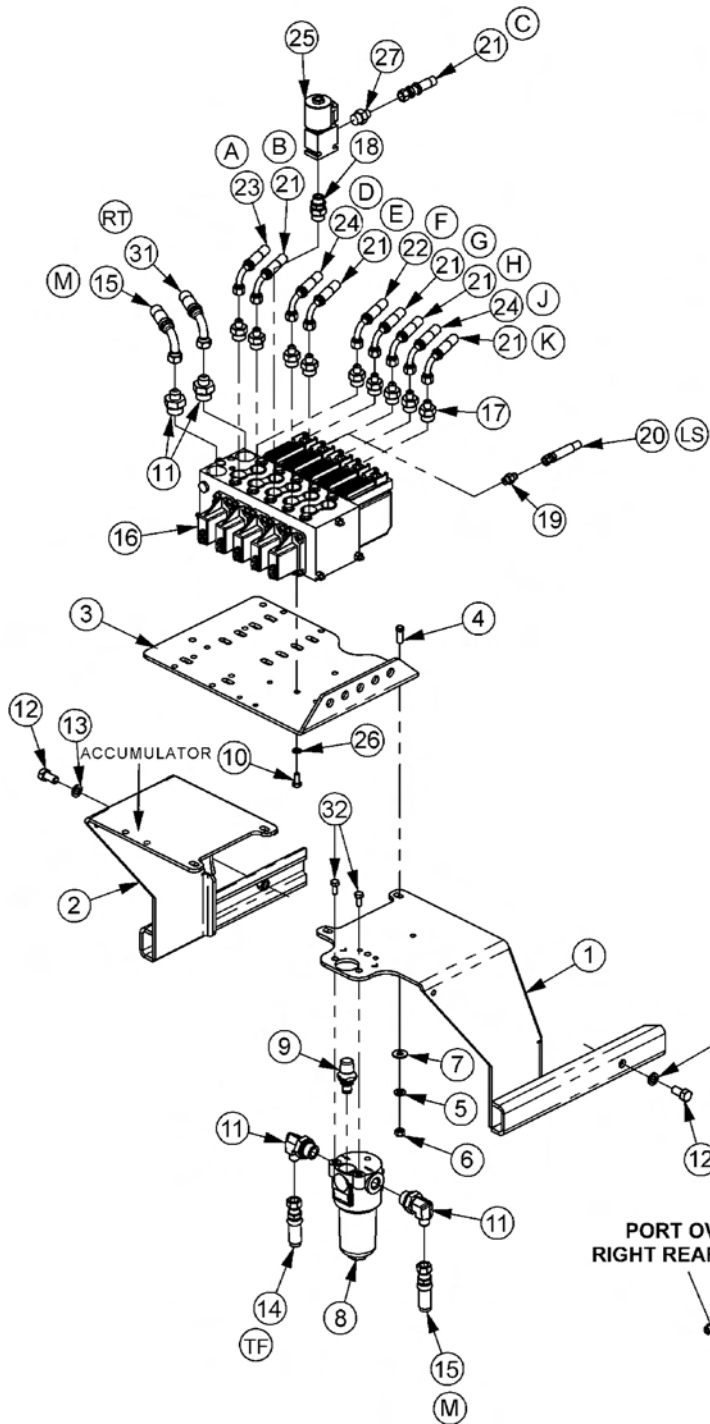


JOYSTICK AND SWITCH BOX MOUNT

Continued...

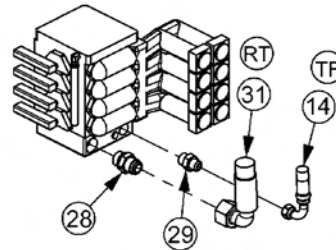
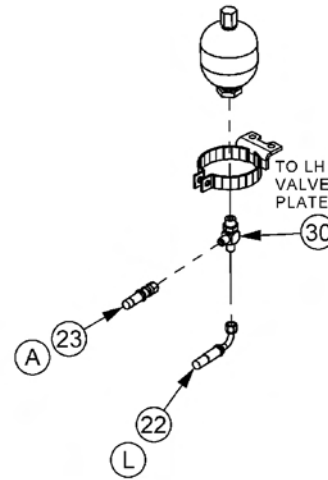
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 1 | 06520041 | 2 | MOUNT, RAM, BALL, 1-1/2", NPT |
| 2 | 06520042 | 1 | MOUNT, RAM, ARM, 1.5" X 2.75" |
| 3 | 35033 | 1 | CAN, JYSTK, CPLT, DF |
| 4 | 35205 | 1 | SETSCREW, 3/8" X 2", NC, KNURLED PT |
| 5 | 35206 | 1 | HEX NUT, JAMB, 3/8", NC |
| 6 | 35204 | 1 | KNOB, 3/8", NC, INSERT |
| 7 | 33691 | 1 | JOYST, 4AXIS, RH |
| 8 | 32829 | 4 | SCREW, MACHINE, 10-32 X 3/4", FLTHD |
| 9 | 35256 | 3 | BUSHING, NYLON, 1" OD, 3/4" ID |
| 10 | 21636 | 3 | CAPSCREW, 3/8" X 2-1/2", NC |
| 11 | 21627 | 3 | NYLOCK NUT, 3/8", NC |
| 12 | 06340011 | 1 | MNT, STND, JYSTK |
| 13 | 06340010 | 1 | ROD, 1/2" NPT X 7", JYSTK |
| 14 | 06510196 | 1 | SWITCH BOX, BOOM |
| 15 | 33355 | 1 | MNT, BRKT, SWITCH BOX |
| 16 | 23113 | 2 | CAPSCREW, 10MM X 30MM, 1.5P |
| 17 | 21529 | 4 | CAPSCREW, 1/4" X 3/4", NC |
| 18 | 21986 | 4 | LOCKWASHER, 1/4" |
| 19 | 22014 | 4 | FLATWASHER, 1/4" |
| 20 | 33693 | 1 | CBL, EXT, 4FT |
| 21 | 27082B | 3 | SPACER |

ELECTRONIC PROPORTIONAL LIFT VALVE - LOAD SENSE



HOSE ROUTING

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

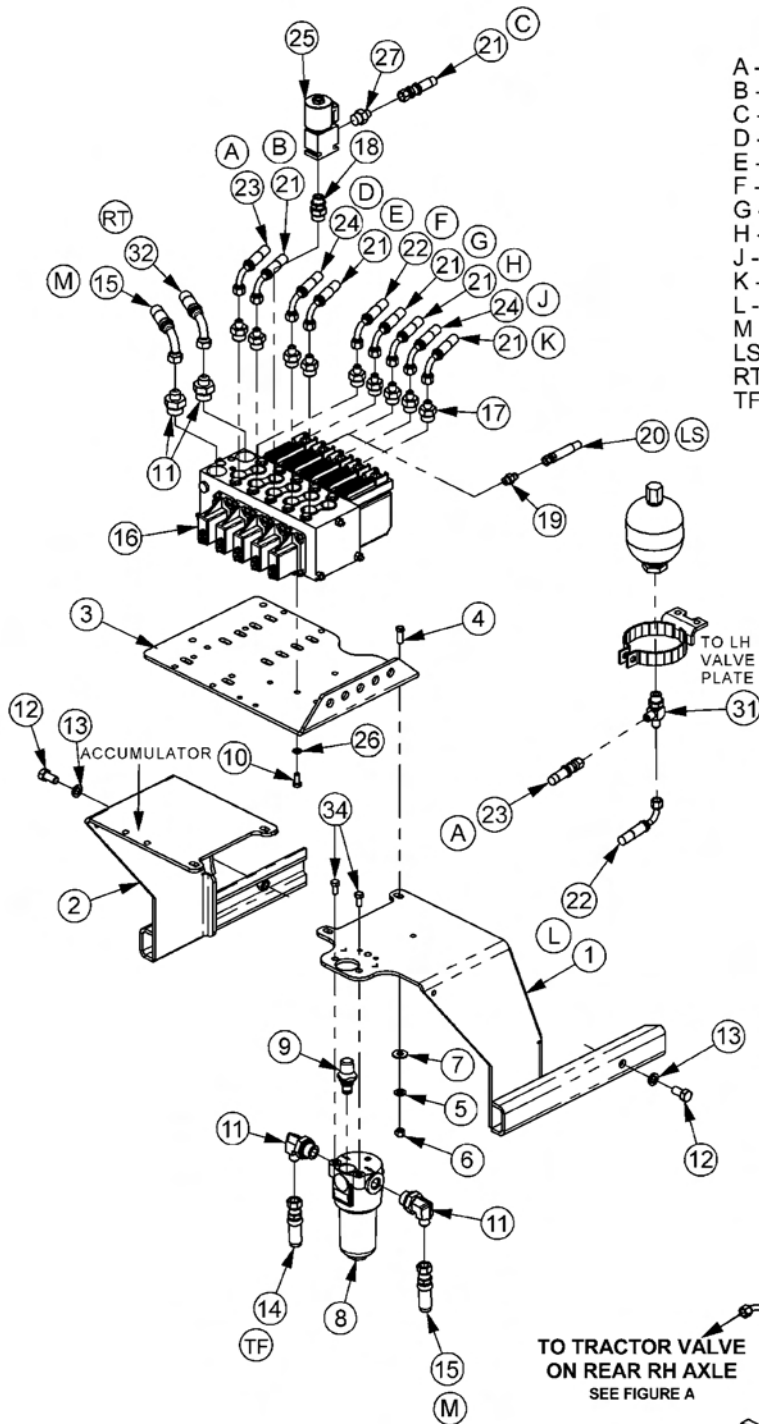


ELECTRONIC PROPORTIONAL LIFT VALVE - LOAD SENSE

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 06340008 | 1 | VLV MNT,RH |
| 2 | 06340009 | 1 | VLV MNT,LH |
| 3 | 34622 | 1 | PLATE,VALVE,REAR MNT |
| 4 | 21631 | 4 | CAPSCREW,3/8" X 1-1/4",NC |
| 5 | 21988 | 4 | LOCKWASHER,3/8" |
| 6 | 21625 | 4 | HEX NUT,3/8",NC |
| 7 | 22016 | 3 | FLATWASHER,3/8" |
| 8 | 06505029 | 1 | FILTER,HP,3/4"SAE,VIS IND |
| --- | 06505039 | 1 | ELEMENT,FILTER |
| 9 | 06505081 | 1 | INDICATOR,VIS,HP FILTER |
| 10 | 21579 | 4 | CAPSCREW,5/16" X 3/4",NC |
| 11 | 33294 | 2 | ELBOW,3/4"MOR X 1/2"MJ |
| 12 | 21729 | 2 | CAPSCREW,1/2" X 1",NC |
| 13 | 21990 | 2 | LOCKWASHER,1/2" |
| 14 | 06500310 | 1 | HOSE,1/2" X 19" |
| 15 | 06500315 | 1 | HOSE,1/2" X 39" |
| 16 | 06502096 | 1 | VLV,5SP,32PVG,RS |
| 17 | 32807 | 9 | ADAPTER,5/8"MOR X 3/8"MJ |
| 18 | 31611 | 1 | ADAPTER,5/8"MOR X 1/2"MOR ADJ |
| 19 | 33419 | 1 | ADAPTER,5/16"MOR X 1/4"MJ |
| 20 | 06500270 | 1 | HOSE,1/4" X 50" |
| 21 | 06500370 | 6 | HOSE,3/8" X 220" |
| 22 | 06500371 | 2 | HOSE,3/8" X 252" |
| 23 | 06500324 | 1 | HOSE,3/8" X 14" |
| 24 | 06500321 | 2 | HOSE,3/8" X 198" |
| 25 | 06510050 | 1 | TRV LCK,METRIPACK COIL |
| 26 | 21987 | 4 | LOCKWASHER,5/16" |
| 27 | 33271 | 2 | ADAPTER,1/2"MOR X 3/8"MJ |
| 28 | 06503012 | 1 | ADPTR,27MM MOR X 3/4"MJ |
| 29 | 33463 | 1 | ADPTR,22MM MOR X 1/2"MJ |
| 30 | 34020 | 1 | TEE,BRANCH,3/8"MJ X 1/2"MOR X 3/8"MJ |
| 31 | 06500091 | 1 | HOSE,1/2" X 26" |
| 32 | 21579 | 2 | CAPSCREW,5/16" X 3/4",NC |

ELECTRONIC PROPORTIONAL LIFT VALVE - TERRAGLIDE



HOSE ROUTING

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

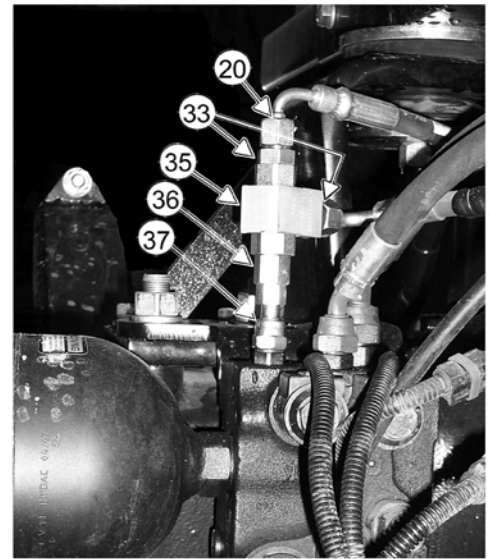
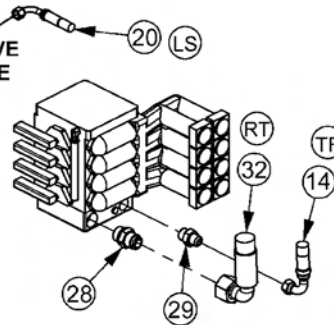


FIGURE A

TO TRACTOR VALVE
ON REAR RH AXLE
SEE FIGURE A

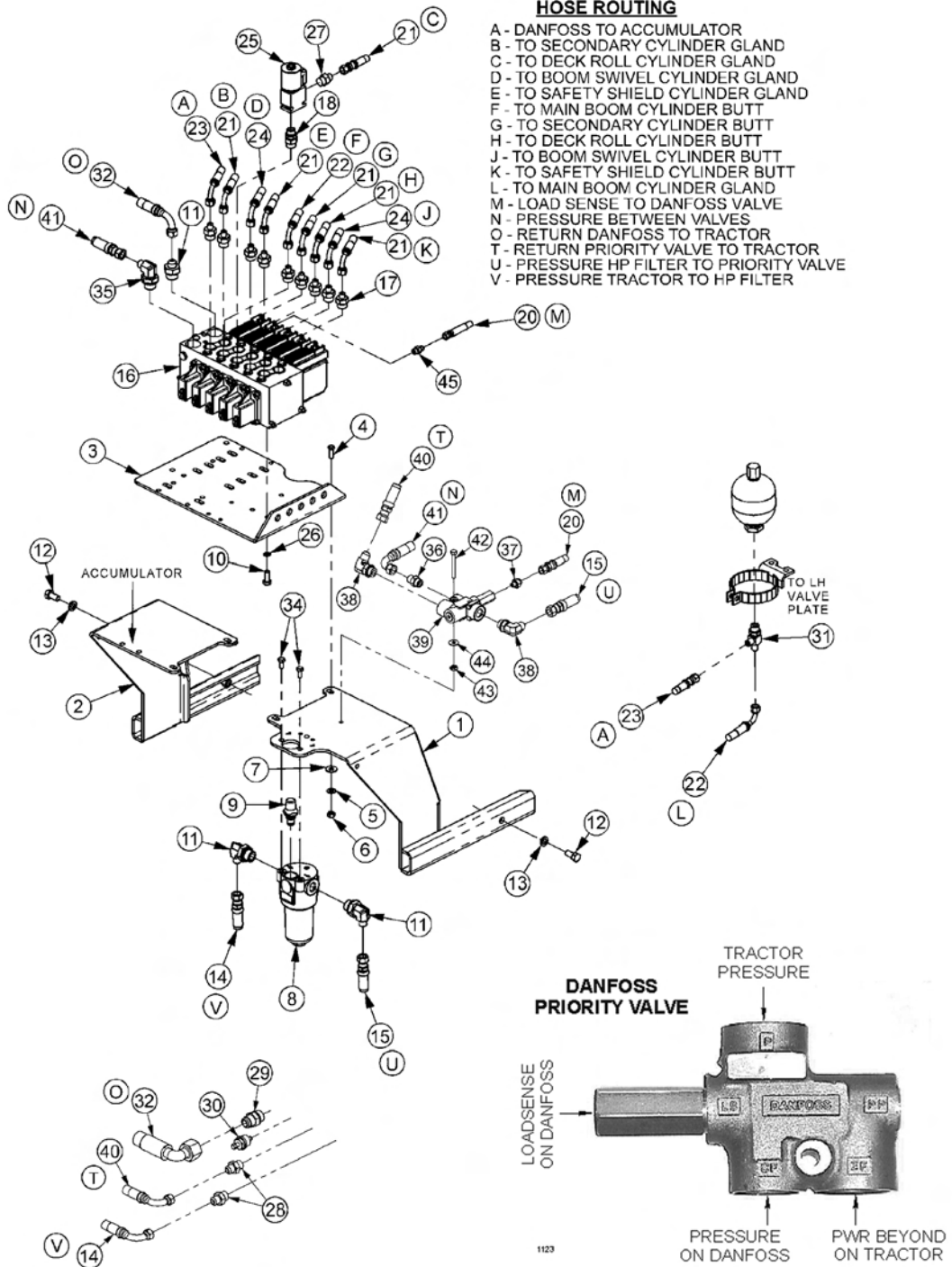


ELECTRONIC PROPORTIONAL LIFT VALVE - TERRAGLIDE

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 06340008 | 1 | VLV MNT,RH |
| 2 | 06340009 | 1 | VLV MNT,LH |
| 3 | 34622 | 1 | PLATE,VALVE,REAR MNT |
| 4 | 21631 | 4 | CAPSCREW,3/8" X 1-1/4",NC |
| 5 | 21988 | 4 | LOCKWASHER,3/8" |
| 6 | 21625 | 4 | HEX NUT,3/8",NC |
| 7 | 22016 | 3 | FLATWASHER,3/8" |
| 8 | 06505029 | 1 | FILTER,HP,3/4"SAE,VIS IND |
| --- | 06505039 | 1 | ELEMENT,FILTER |
| 9 | 06505081 | 1 | INDICATOR,VIS,HP FILTER |
| 10 | 21579 | 4 | CAPSCREW,5/16" X 3/4",NC |
| 11 | 33294 | 2 | ELBOW,3/4"MOR X 1/2"MJ |
| 12 | 21729 | 2 | CAPSCREW,1/2" X 1",NC |
| 13 | 21990 | 2 | LOCKWASHER,1/2" |
| 14 | 06500310 | 1 | HOSE,1/2" X 19" |
| 15 | 06500315 | 1 | HOSE,1/2" X 39" |
| 16 | 06502096 | 1 | VLV,5SP,32PVG,RS |
| 17 | 32807 | 9 | ADAPTER,5/8"MOR X 3/8"MJ |
| 18 | 31611 | 1 | ADAPTER,5/8"MOR X 1/2"MOR ADJ |
| 19 | 33419 | 1 | ADAPTER,5/16"MOR X 1/4"MJ |
| 20 | 06500270 | 1 | HOSE,1/4" X 50" |
| 21 | 06500370 | 6 | HOSE,3/8" X 220" |
| 22 | 06500371 | 2 | HOSE,3/8" X 252" |
| 23 | 06500324 | 1 | HOSE,3/8" X 14" |
| 24 | 06500321 | 2 | HOSE,3/8" X 198" |
| 25 | 06510050 | 1 | TRV LCK,METRIPACK COIL |
| 26 | 21987 | 4 | LOCKWASHER,5/16" |
| 27 | 33271 | 2 | ADAPTER,1/2"MOR X 3/8"MJ |
| 28 | 06503012 | 1 | ADPTR,27MM MOR X 3/4"MJ |
| 29 | 33463 | 1 | ADPTR,22MM MOR X 1/2"MJ |
| 31 | 34020 | 1 | TEE,BRANCH,3/8"MJ X 1/2"MOR X 3/8"MJ |
| 32 | 06500091 | 1 | HOSE,1/2" X 26" |
| 33 | 06503093 | 2 | ADAPTER,3/8"MOR X 1/4"MF |
| 34 | 21579 | 2 | CAPSCREW,5/16" X 3/4",NC |
| 35 | 06503029 | 1 | TEE,RUN,1/2"MOR X 3/8"MJ X 3/8"MJ |
| 36 | 33391 | 1 | ADAPTER,3/8"MOR X 1/4"FOR |
| 37 | 06503094 | 1 | ADAPTER,1/4"MOR X 1/4"FFSX |

ELECTRONIC PROPORTIONAL LIFT VALVE - POWER BEYOND



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06340008 | 1 | VLV MNT,RH |
| 2 | 06340009 | 1 | VLV MNT,LH |
| 3 | 34622 | 1 | PLATE,VALVE,REAR MNT |
| 4 | 21631 | 4 | CAPSCREW,3/8" X 1-1/4",NC |

ELECTRONIC PROPORTIONAL LIFT VALVE - POWER BEYOND

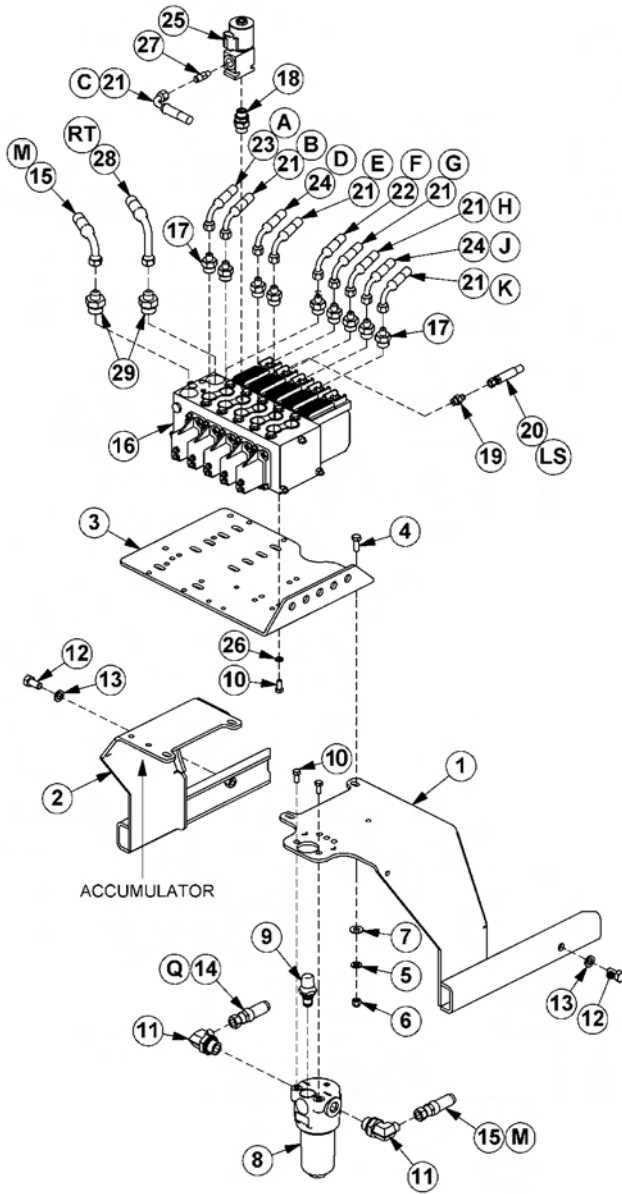
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|-------------------------------|
| 5 | 21988 | 4 | LOCKWASHER,3/8" |
| 6 | 21625 | 4 | HEX NUT,3/8",NC |
| 7 | 22016 | 4 | FLATWASHER,3/8" |
| 8 | 06505029 | 1 | FILTER,HP,3/4"SAE,VIS IND |
| --- | 06505039 | 1 | ELEMENT,FILTER |
| 9 | 06505081 | 1 | INDICATOR,VIS,HP FILTER |
| 10 | 21579 | 4 | CAPSCREW,5/16" X 3/4",NC |
| 11 | 33294 | 2 | ELBOW,3/4"MOR X 1/2"MJ |
| 12 | 21729 | 2 | CAPSCREW,1/2" X 1",NC |
| 13 | 21990 | 2 | LOCKWASHER,1/2" |
| 14 | 06500310 | 1 | HOSE,1/2" X 19" |
| 15 | 06500255 | 1 | HOSE,1/2" X 30" |
| 16 | 06502096 | 1 | VALVE,5 SPOOL |
| 17 | 32807 | 9 | ADAPTER,5/8"MOR X 3/8"MJ |
| 18 | 31611 | 1 | ADAPTER,5/8"MOR X 1/2"MOR ADJ |
| 20 | 06500219 | 1 | HOSE,3/8" X 48" |
| 21 | 06500322 | 6 | HOSE,3/8" X 238" |
| 22 | 06500323 | 2 | HOSE,3/8" X 270" |
| 23 | 06500324 | 1 | HOSE,3/8" X 14" |
| 24 | 06500321 | 2 | HOSE,3/8" X 198" |
| 25 | 06510050 | 1 | TRV LCK,METRIPACK COIL |
| 26 | 21987 | 4 | LOCKWASHER,5/16" |
| 27 | 33271 | 3 | ADAPTER,1/2"MOR X 3/8"MJ |
| 28 | 33463 | 2 | ADAPTER,22MM MOR X 1/2"MJ |
| 29 | 06503012 | 1 | ADPTR,27MM MOR X 3/4"MJ |
| 30 | F87372883 | 1 | VALVE,PRIORITY,PB,NH |
| 31 | 06503029 | 1 | RUN TEE |
| 32 | 06500063 | 1 | HOSE,1/2" X 30" |
| 34 | 21579 | 2 | CAPSCREW,5/16" X 3/4",NC |
| 35 | 33294 | 1 | ELBOW,3/4"MOR X 1/2"MJ |
| 36 | 33528 | 1 | ADAPTER,1/2"MOR X 1/2"MJ |
| 37 | 06503057 | 1 | ADAPTER,1/4"MOR X 3/8"MJ |
| 38 | 33383 | 2 | ELBOW,5/8"MOR X 1/2"MJ |
| 39 | 06502102 | 1 | VALVE,PRIORITY,OLS80,10 BAR |
| 40 | 06500203 | 1 | HOSE,1/2" X 30" |
| 41 | 34612 | 1 | HOSE,1/2" X 34" |
| 42 | 21586 | 1 | CAPSCREW,5/16" X 2-1/2",NC |
| 43 | 21577 | 1 | NYLOCK NUT,5/16",NC |
| 44 | 22015 | 1 | FLATWASHER,5/16" |
| 45 | 33419 | 1 | ADAPTER,5/16"MOR X 1/4"MJ |

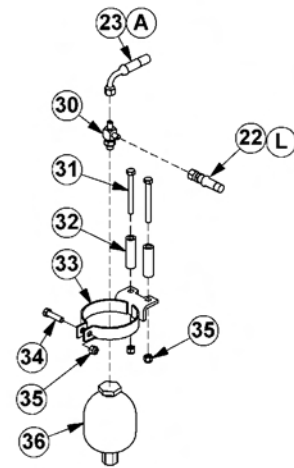
NH T6000 SABER

ELECTRONIC PROPORTIONAL LIFT VALVE - OPEN CENTER

HOSE ROUTING



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



ACCUMULATOR

ELECTRONIC PROPORTIONAL LIFT VALVE - OPEN CENTER

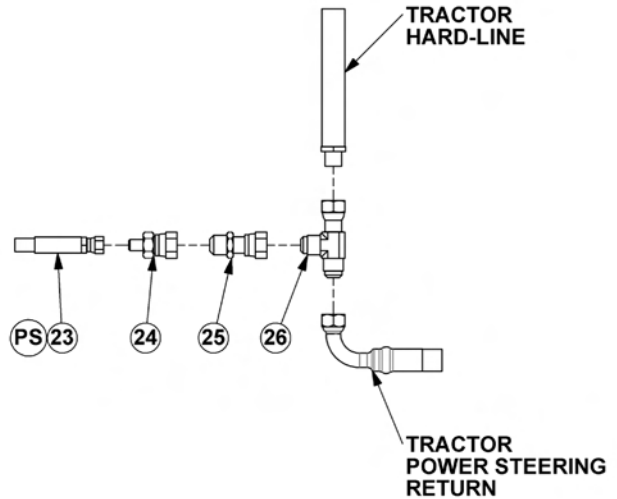
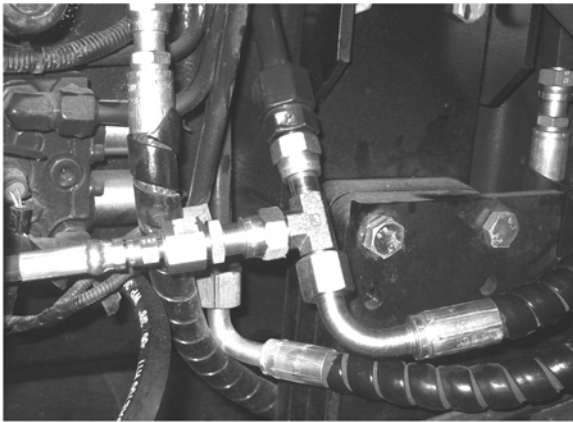
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 06340008 | 1 | VLV MNT,RH |
| 2 | 06340009 | 1 | VLV MNT,LH |
| 3 | 34622 | 1 | PLATE,VALVE,REAR MNT |
| 4 | 21631 | 4 | CAPSCREW,3/8" X 1-1/4",NC |
| 5 | 21988 | 4 | LOCKWASHER,3/8" |
| 6 | 21625 | 4 | HEX NUT,3/8",NC |
| 7 | 22016 | 3 | FLATWASHER,3/8" |
| 8 | 06505029 | 1 | FILTER,HP,3/4"SAE,VIS IND |
| --- | 06505039 | 1 | ELEMENT,FILTER |
| 9 | 06505081 | 1 | INDICATOR,VIS,HP FILTER |
| 10 | 21579 | 6 | CAPSCREW,5/16" X 3/4",NC |
| 11 | 33294 | 2 | ELBOW,3/4"MOR X 1/2"MJ |
| 12 | 21729 | 2 | CAPSCREW,1/2" X 1",NC |
| 13 | 21990 | 2 | LOCKWASHER,1/2" |
| 14 | 06500583 | 1 | HOSE,1/2" X 16" |
| 15 | 06500315 | 1 | HOSE,1/2" X 39" |
| 16 | 06502096 | 1 | VLV,5SP,32PVG,RS |
| 17 | 32807 | 9 | ADAPTER,5/8"MOR X 3/8"MJ |
| 18 | 31611 | 1 | ADAPTER,5/8"MOR X 1/2"MOR ADJ |
| 19 | 33419 | 1 | ADAPTER,5/16"MOR X 1/4"MJ |
| 20 | 06500270 | 1 | HOSE,1/4" X 50" |
| 21 | 06500370 | 6 | HOSE,3/8" X 220" |
| 22 | 06500371 | 2 | HOSE,3/8" X 252" |
| 23 | 06500324 | 1 | HOSE,3/8" X 14" |
| 24 | 06500321 | 2 | HOSE,3/8" X 198" |
| 25 | 06510050 | 1 | TRV LCK,METRIPACK COIL |
| 26 | 21987 | 4 | LOCKWASHER,5/16" |
| 27 | 33271 | 2 | ADAPTER,1/2"MOR X 3/8"MJ |
| 28 | 06500091 | 1 | HOSE,1/2" X 26" |
| 29 | 33591 | 2 | ADAPTER,3/4"MOR X 1/2"MJ |
| 30 | 34020 | 1 | TEE,BRANCH,3/8"MJ X 1/2"MOR X 3/8"MJ |
| 31 | 21640 | 2 | CAPSCREW,3/8" X 3-1/2",NC |
| 32 | 06420054 | 2 | SPACER |
| 33 | 23888 | 1 | BRACKET,ACCUMULATOR |
| 34 | 21632 | 1 | CAPSCREW,3/8" X 1-1/2",NC |
| 35 | 21627 | 3 | NYLOCK NUT,3/8",NC |
| 36 | 24300 | 1 | ACCUMULATOR |

NH T6000 SABER

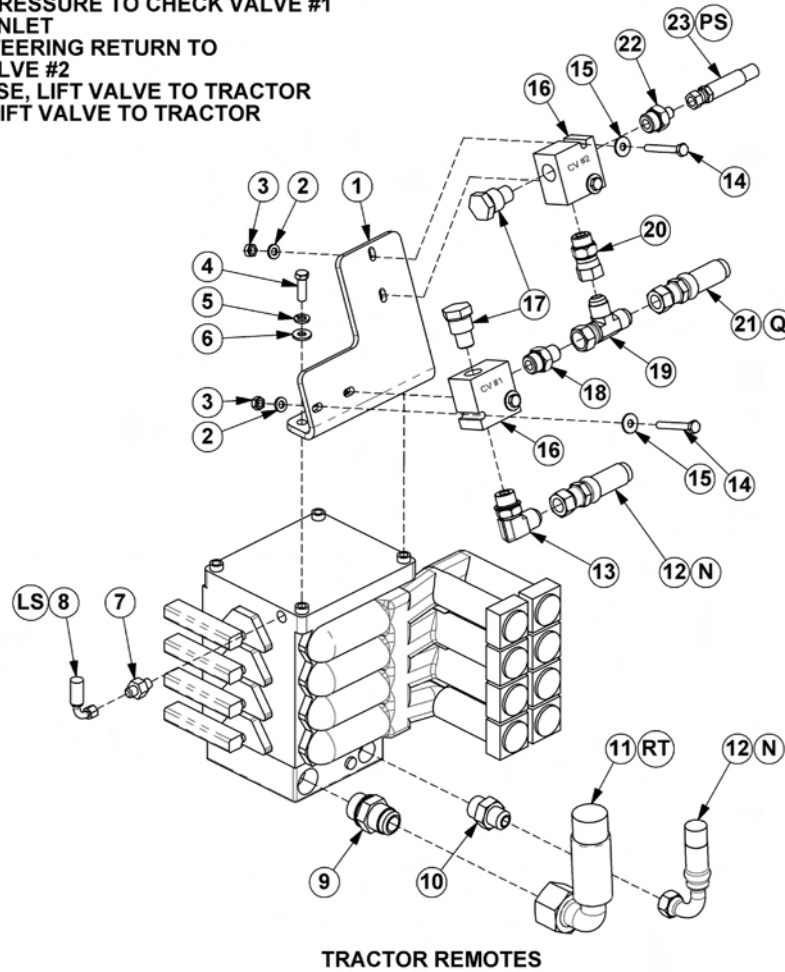
TRACTOR REMOTE PLUMBING - OPEN CENTER

BEHIND BATTERY BOX



HOSE ROUTING

- N - TRACTOR PRESSURE TO CHECK VALVE #1
- Q - TO FILTER INLET
- PS - POWER STEERING RETURN TO CHECK VALVE #2
- LS - LOAD SENSE, LIFT VALVE TO TRACTOR
- RT - RETURN, LIFT VALVE TO TRACTOR



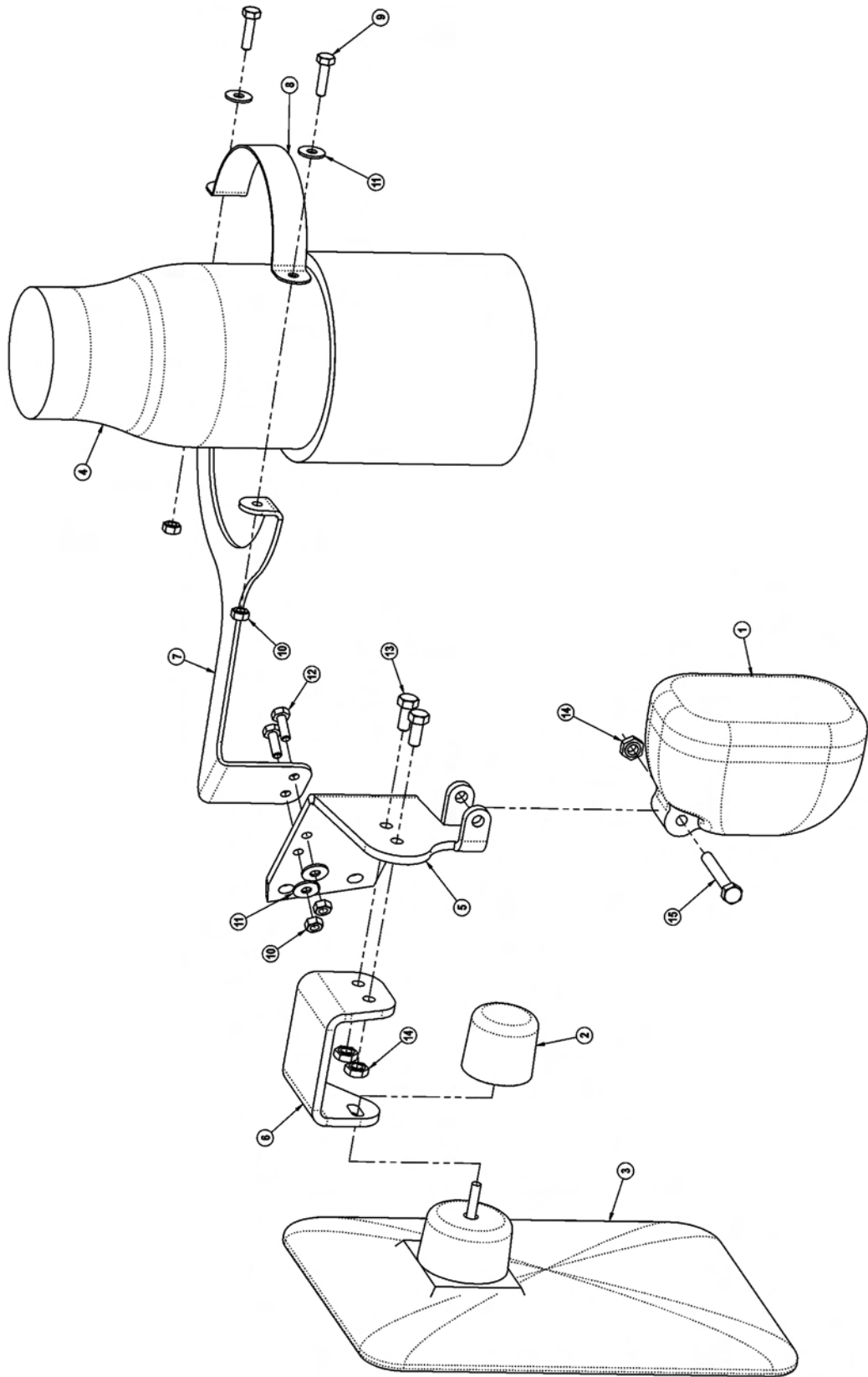
TRACTOR REMOTES

TRACTOR REMOTE PLUMBING - OPEN CENTER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------------|
| 1 | 06410171 | 1 | PLATE,MOUNT |
| 2 | 21986 | 4 | LOCKWASHER,1/4" |
| 3 | 21525 | 4 | HEX NUT,1/4",NC |
| 4 | 28583 | 2 | CAPSCREW,8MM X 25MM,1.25P |
| 5 | 6T2619 | 2 | LOCKWASHER,8MM |
| 6 | 34948 | 2 | FLATWASHER,8MM |
| 7 | 06503002 | 1 | ADAPTER,12MM MOR X 5/16"MJ |
| 8 | 06500092 | 1 | HOSE,1/4" X 12" |
| 9 | 06503012 | 1 | ADAPTER,27MM MOR X 3/4"MJ |
| 10 | 33463 | 1 | ADAPTER,22MM MOR X 1/2"MJ |
| 11 | 06500091 | 1 | HOSE,1/2" X 26" |
| 12 | 06500310 | 1 | HOSE,1/2" X 19" |
| 13 | 33382 | 1 | ELBOW,1/2"MOR X 1/2"MJ |
| 14 | 21534 | 4 | CAPSCREW,1/4" X 2",NC |
| 15 | 22014 | 4 | FLATWASHER,1/4" |
| 16 | 06502005 | 2 | BODY,VALVE |
| 17 | 06502006 | 2 | CHECK VALVE |
| 18 | 33528 | 1 | ADAPTER,1/2"MOR X 1/2"MJ |
| 19 | 6T3992 | 1 | TEE,RUN,1/2"MJ X 1/2"FJX X 1/2"MJ |
| 20 | 06503019 | 1 | ADAPTER,1/2"MOR X 1/2"FJ |
| 21 | 06500583 | 1 | HOSE,1/2" X 16" |
| 22 | 32899 | 1 | ADAPTER,1/4"MJ X 1/2"MOR |
| 23 | 06500120 | 1 | HOSE,1/4" X 80" |
| 24 | 06503021 | 1 | ADAPTER,1/4"MJ X 1/2"FJ |
| 25 | 06503020 | 1 | ADAPTER,1/2"MJ X 1/2"FFX |
| 26 | 34018 | 1 | TEE,RUN,1/2"MF X 1/2"MF X 1/2"FF |

MIRROR BRACKET

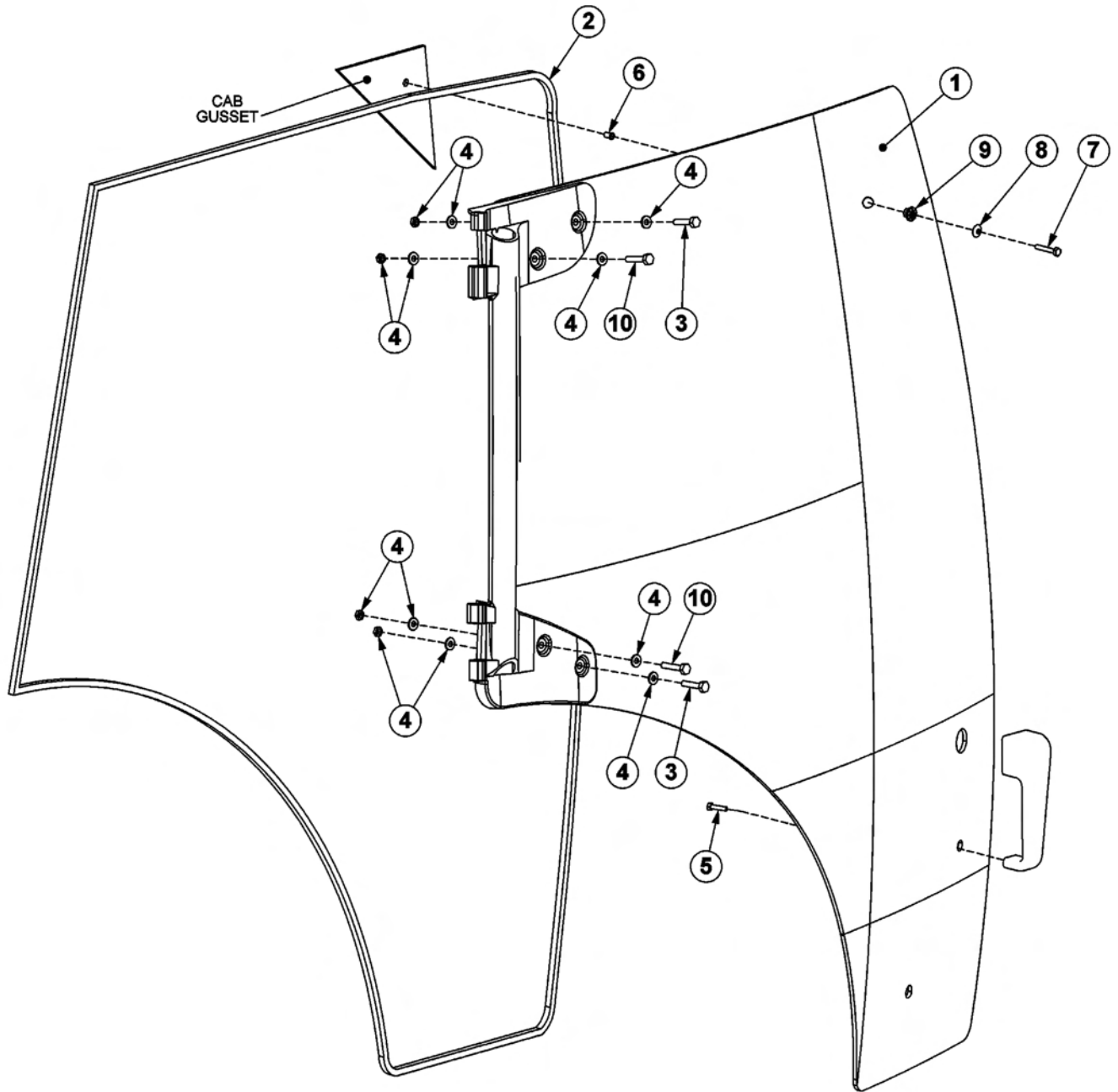


MIRROR BRACKET

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------|
| 1 | ----- | 1 | WORK LIGHT |
| 2 | ----- | 1 | KNOB T6010 |
| 3 | ----- | 1 | MIRROR |
| 4 | ----- | 1 | EXHAUST |
| 5 | 06370008 | 1 | MNT,MIRROR/LIGHT |
| 6 | 06410633 | 1 | MNT,MIRROR |
| 7 | 06410141 | 1 | COLLAR,EXHAUST |
| 8 | 06410142 | 1 | COLLAR,CLAMP,EXHAUST |
| 9 | 21530 | 2 | CAPSCREW,1/4" X 1",NC |
| 10 | 21525 | 4 | HEX NUT,1/4",NC |
| 11 | 22014 | 4 | FLATWASHER,1/4" |
| 12 | 21529 | 2 | CAPSCREW,1/4" X 3/4",NC |
| 13 | 21580 | 2 | CAPSCREW,5/16 X 1,NC |
| 14 | 21577 | 3 | NYLOCK NUT,5/16",NC |
| 15 | 21585 | 1 | CAPSCREW,5/16" X 2-1/4",NC |

POLYCARBONATE SAFETY WINDOW

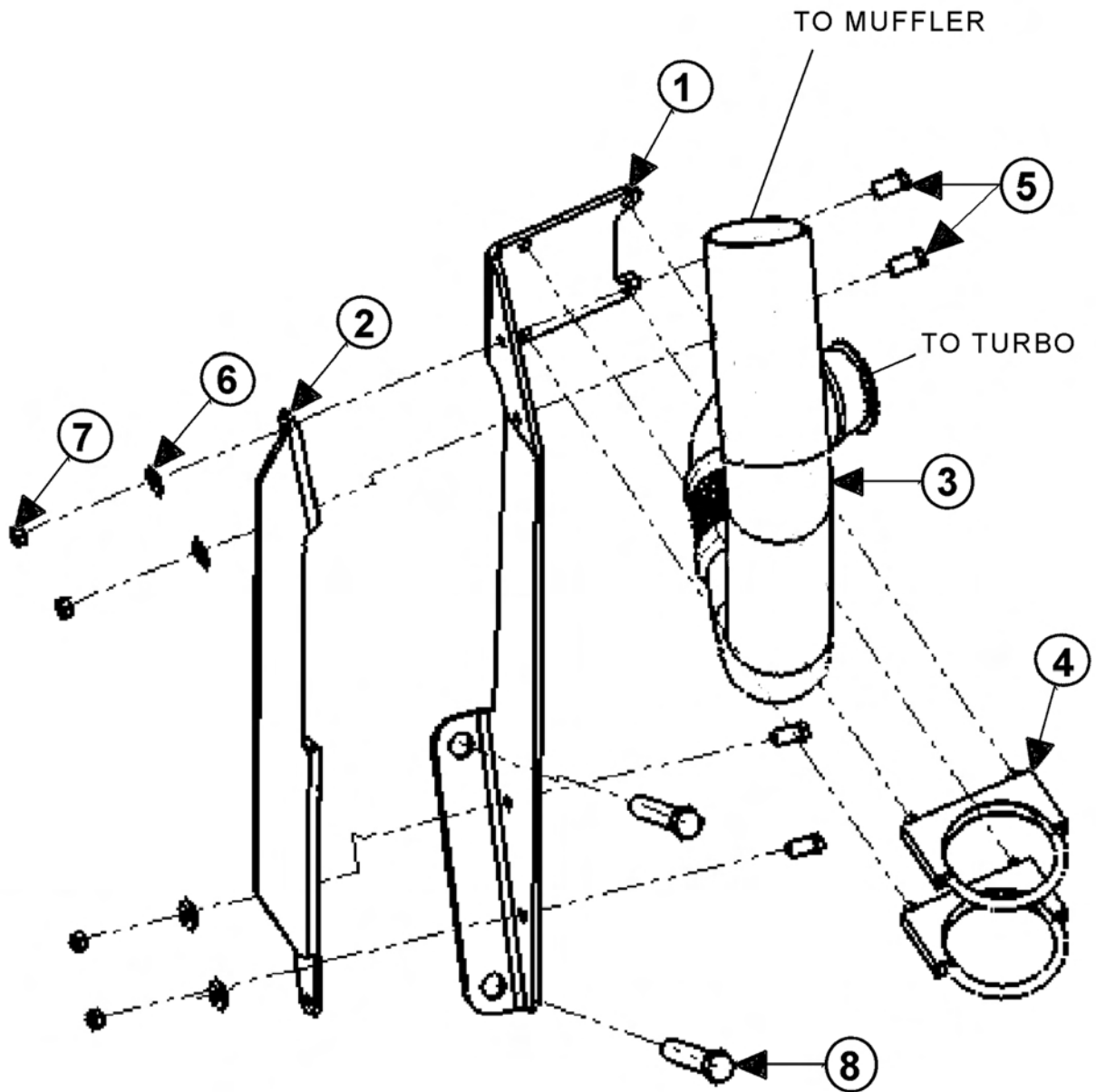


POLYCARBONATE SAFETY WINDOW

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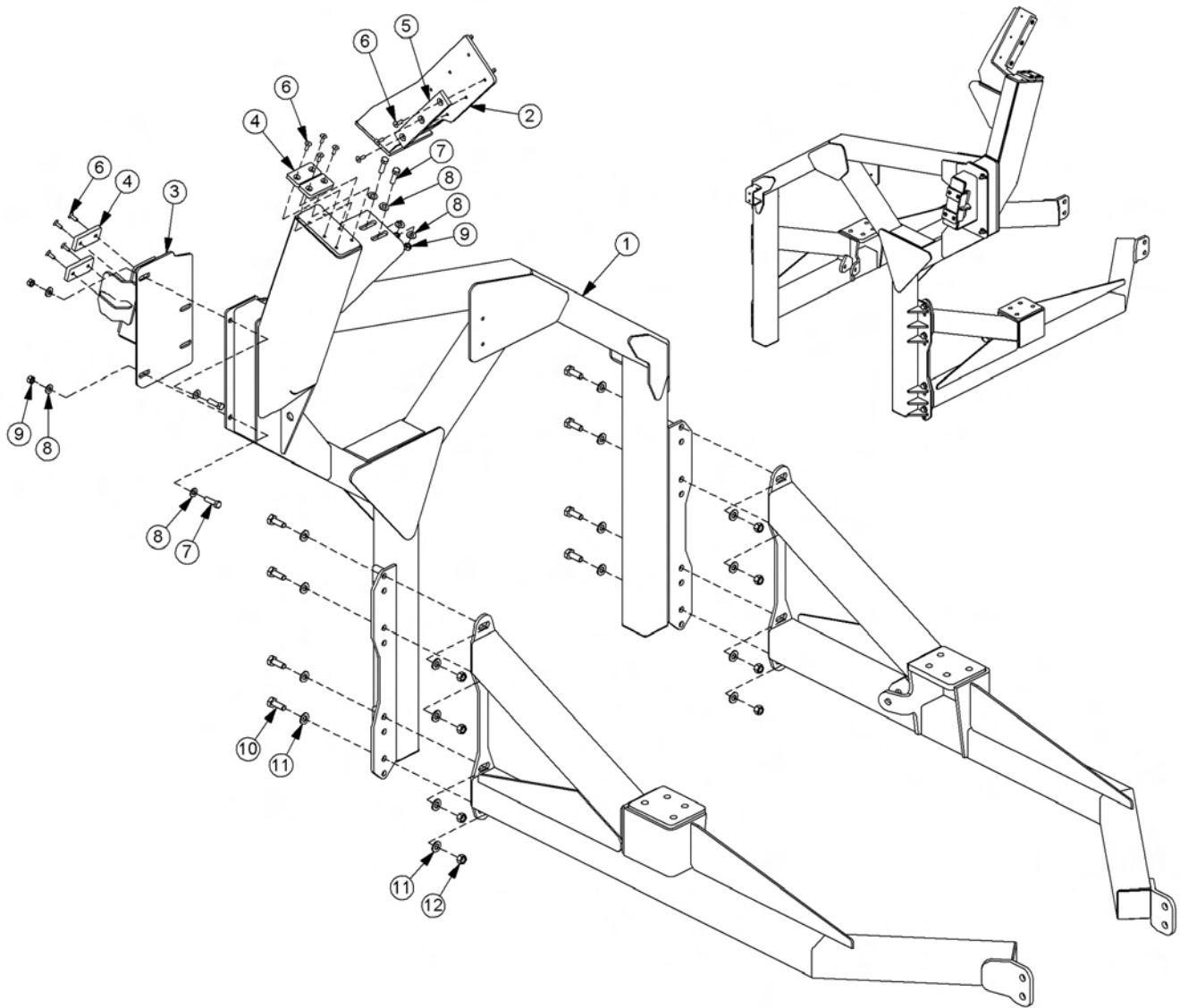
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 1 | 06490037 | 1 | POLYCARBONATE,DOOR,RH |
| 2 | 31965 | 17 | TRIM SEAL,3/8"CLIP X 3/4"OD BULB (IN FEET) |
| 3 | 06530502 | 2 | CAPSCREW,8MM X 40MM,1.25P,GR8 |
| 4 | ----- | - | EXISTING HARDWARE |
| 5 | 06530501 | 1 | CAPSCREW,6MM 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) |

EXHAUST MOUNT - 6 CYLINDER



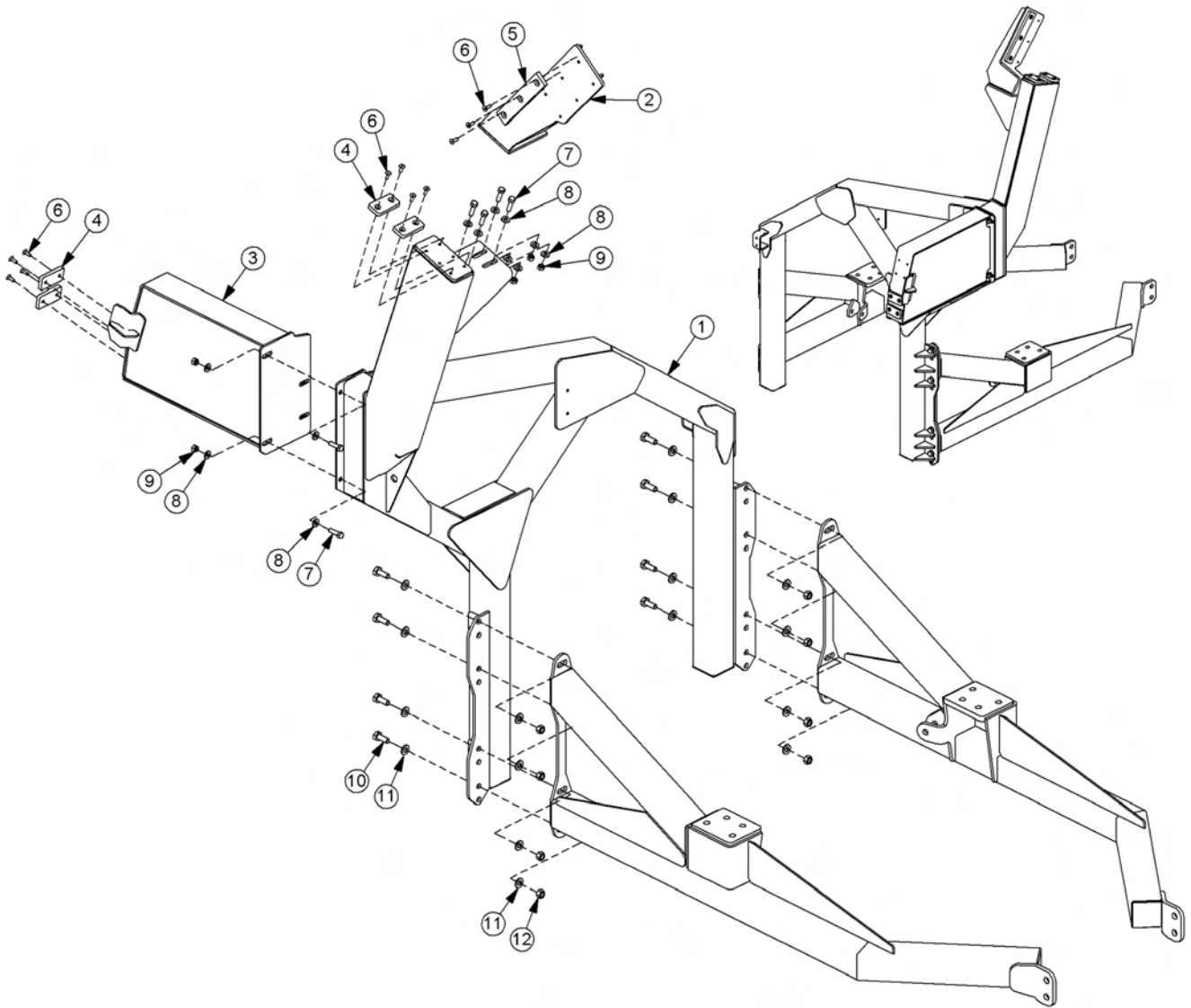
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------|
| 1 | 06410113 | 1 | MNT,EXHAUST |
| 2 | 06410121 | 1 | MNT,EXHAUST,SUPPORT |
| 3 | 06520023 | 1 | TUBE,EXHAUST RELOCATE,6CYL |
| 4 | 32986 | 2 | CLAMP,EXHAUST,3-1/2" |
| 5 | 21630 | 4 | CAPSCREW,3/8" X 1",NC |
| 6 | 21988 | 4 | LOCKWASHER,3/8" |
| 7 | 21625 | 4 | HEX NUT,3/8",NC |
| 8 | ----- | 2 | EXISTING MAINFRAME HARDWARE |

BOOMREST ASSEMBLY - SABER



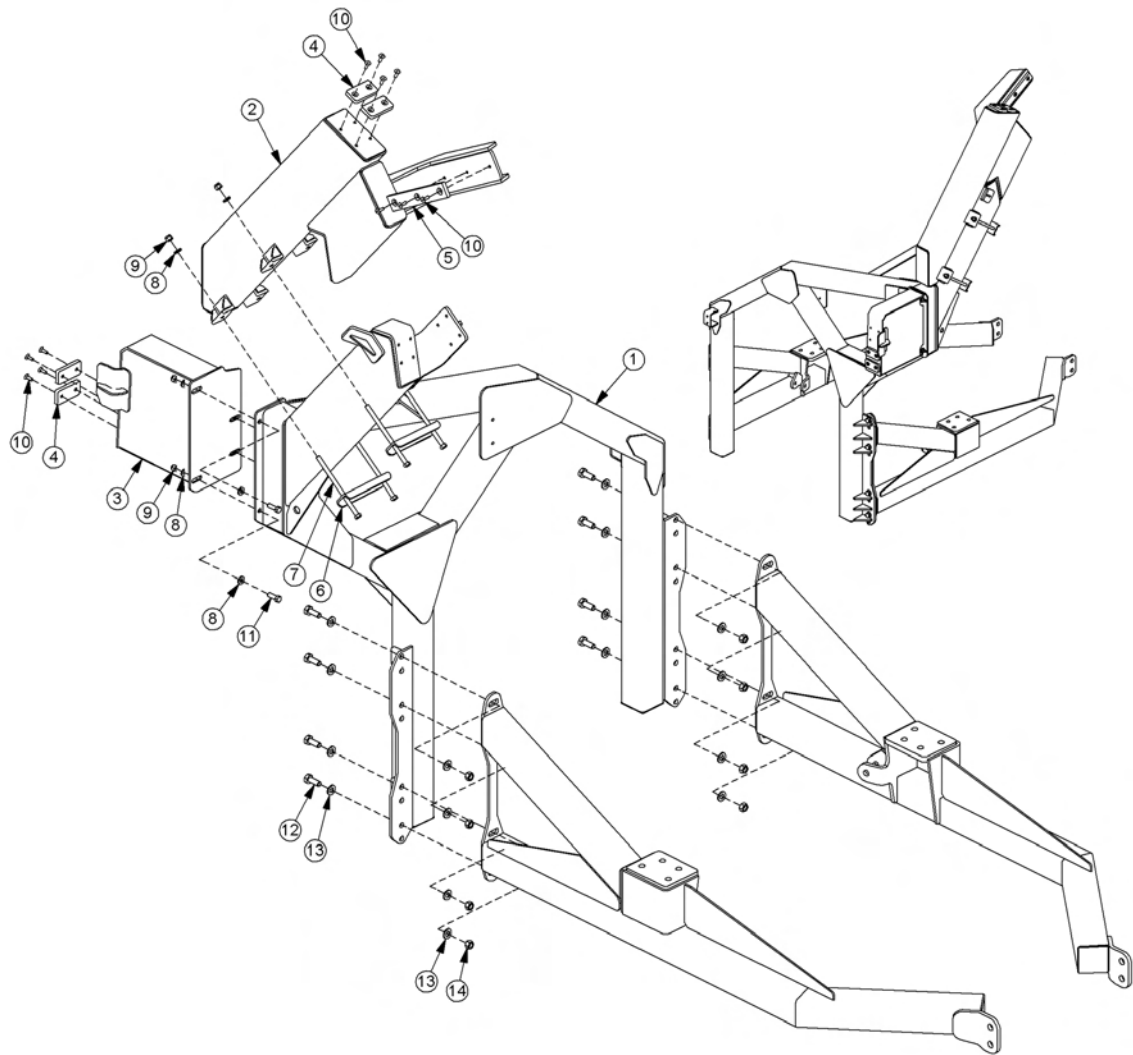
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06310071 | 1 | BMRST,ASSY,SABER |
| 2 | 06310090 | 1 | STOP,UPPER,SBR |
| 3 | 06310091 | 1 | STOP,LOWER,SBR |
| 4 | 06520078 | 4 | BUMPER,PAD,SHORT |
| 5 | 32686 | 1 | BUMPER,PAD,LONG |
| 6 | 28734 | 11 | CAPSCREW,3/8" X 1",NC |
| 7 | 6T1027 | 8 | CAPSCREW,1/2" X 1-3/4",NC |
| 8 | 06533004 | 16 | FLATWASHER,1/2",NC |
| 9 | 31580 | 8 | HEX NUT,1/2",NC |
| 10 | 21782 | 8 | CAPSCREW,5/8" X 1-3/4",NC |
| 11 | 33764 | 16 | FLATWASHER,5/8",SAE |
| 12 | 21777 | 8 | NYLOCK NUT,5/8",NC |

BOOMREST ASSEMBLY - SABER MB



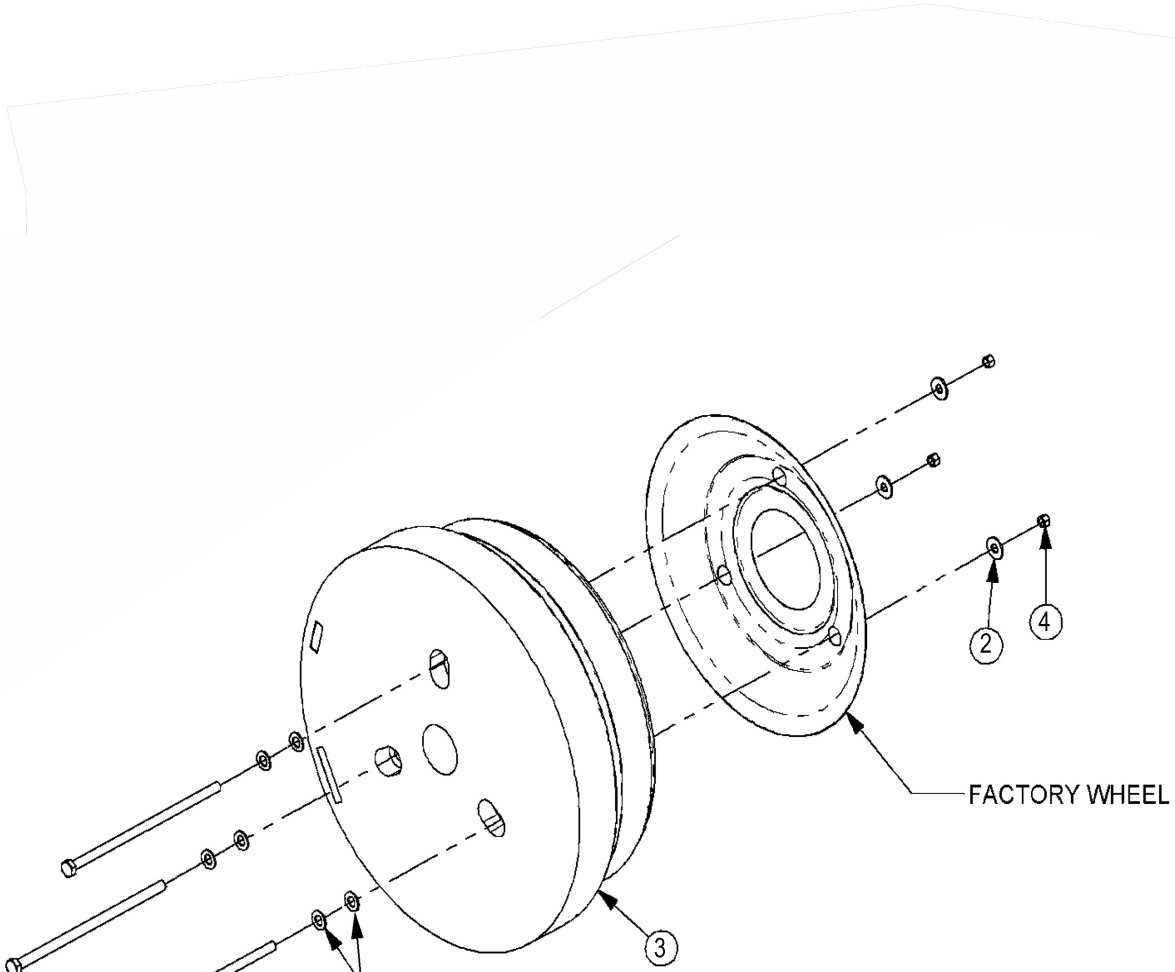
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06310092 | 1 | BMRST,ASSY,SABER MB |
| 2 | 06310090 | 1 | STOP,UPPER,SBR |
| 3 | 06310060 | 1 | STOP,LOWER,SBR MB |
| 4 | 06520078 | 4 | BUMPER,PAD,SHORT |
| 5 | 32686 | 1 | BUMPER,PAD,LONG |
| 6 | 28734 | 11 | CAPSCREW,3/8" X 1",NC |
| 7 | 6T1027 | 8 | CAPSCREW,1/2" X 1-3/4",NC |
| 8 | 06533004 | 16 | FLATWASHER,1/2",NC |
| 9 | 31580 | 8 | HEX NUT,1/2",NC |
| 10 | 21782 | 8 | CAPSCREW,5/8" X 1-3/4",NC |
| 11 | 33764 | 16 | FLATWASHER,5/8",SAE |
| 12 | 21777 | 8 | NYLOCK NUT,5/8",NC |

BOOMREST ASSEMBLY - SABER XB



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 06310035 | 1 | BOOMREST,BASE |
| 2 | 06310053 | 1 | BOOMREST,UPPER |
| 3 | 06310054 | 1 | BOOMREST,LOWER |
| 4 | 06520078 | 4 | WEARPAD,SHORT,BOOMREST |
| 5 | 32686 | 1 | WEARPAD,LONG,BOOMREST |
| 6 | 06410587 | 2 | CHANNEL,TIE DOWN |
| 7 | 21747 | 4 | CAPSCREW,1/2" X 9",NC |
| 8 | 22004 | 12 | FLATWASHER,1/2",NARROW |
| 9 | 21727 | 8 | NYLOCK NUT,1/2",NC |
| 10 | 28734 | 11 | CAPSCREW,FLT/SKT HD,3/8" X 1",NC |
| 11 | 21731 | 4 | CAPSCREW,1/2" X 1-1/2",NC |
| 12 | 21782 | 8 | CAPSCREW,5/8" X 1-3/4",NC |
| 13 | 33764 | 16 | FLATWASHER,5/8",SAE |
| 14 | 21777 | 8 | NYLOCK NUT,5/8",NC |

WHEEL WEIGHT - SABER



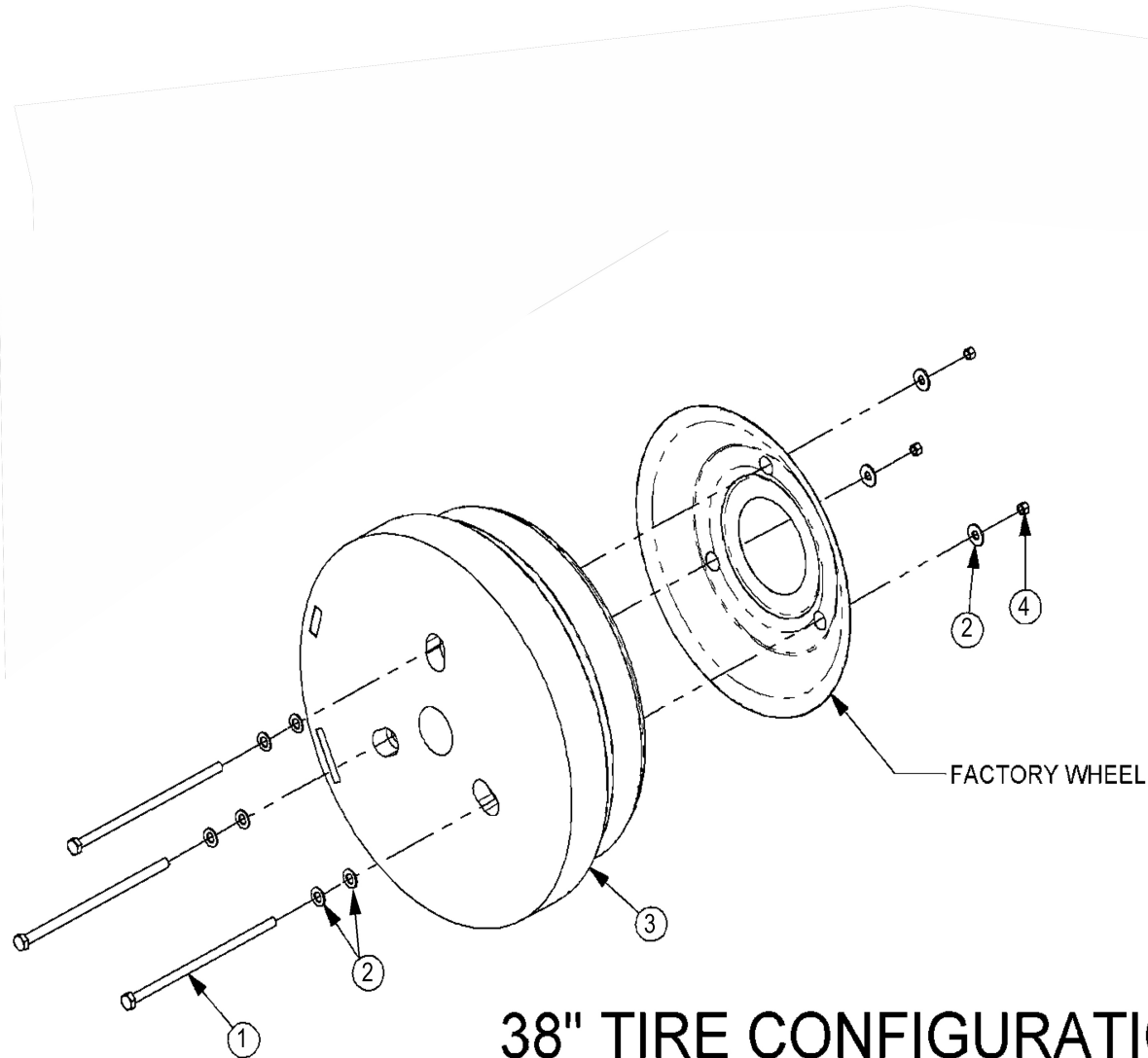
38" TIRE CONFIGURATION

WHEEL WEIGHT - SABER

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06530227 | 3 | CAPSCREW, 1" X 19-1/2",NC |
| 2 | 06533007 | 9 | FLATWASHER, 1" |
| 3 | 06499010 | 1 | 3400# WEIGHT |
| 4 | 31581 | 3 | HEX NUT,1",NC |

WHEEL WEIGHT - SABER MB/XB



38" TIRE CONFIGURATION

WHEEL WEIGHT - SABER MB/XB

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 21842 | 3 | CAPSCREW,3/4" X 5",NC |
| 2 | 33626 | 3 | FLATWASHER,3/4",USS |
| 3 | 32518 | 1 | 850# WEIGHT |
| 4 | 06370223 | 3 | SPACER,WHEEL WEIGHT |
| 5 | 06530227 | 3 | CAPSCREW, 1" X 19-1/2",NC |
| 6 | 06533007 | 9 | FLATWASHER, 1" |
| 7 | 06700108 | 1 | 3400# WEIGHT,TAPPED |
| 8 | 31581 | 3 | HEX NUT, 1",NC |

NOTES

COMMON SABER BOOM

PARTS SECTION

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COMMON SABER

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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.

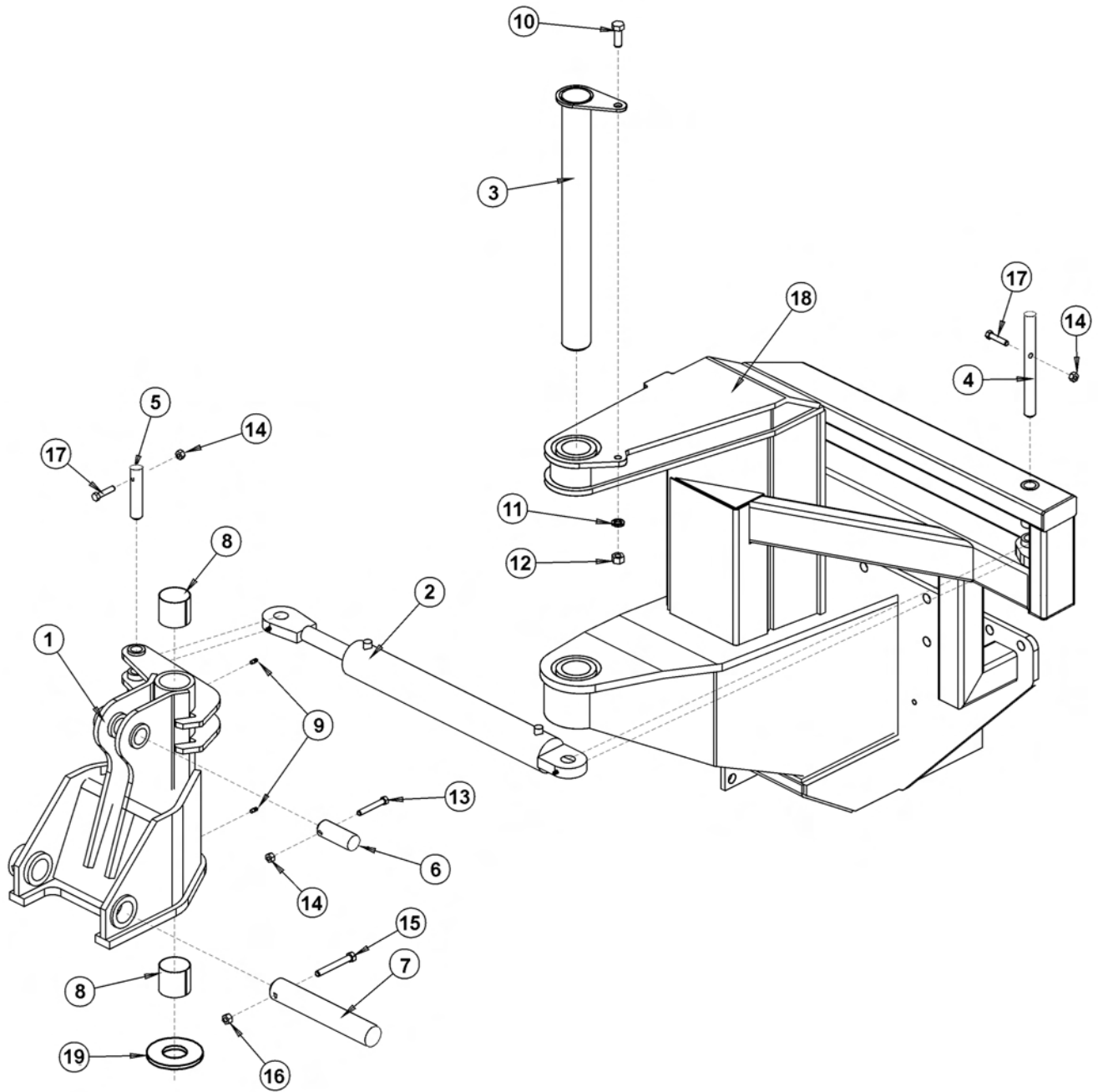


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

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 SWIVEL ASSEMBLY



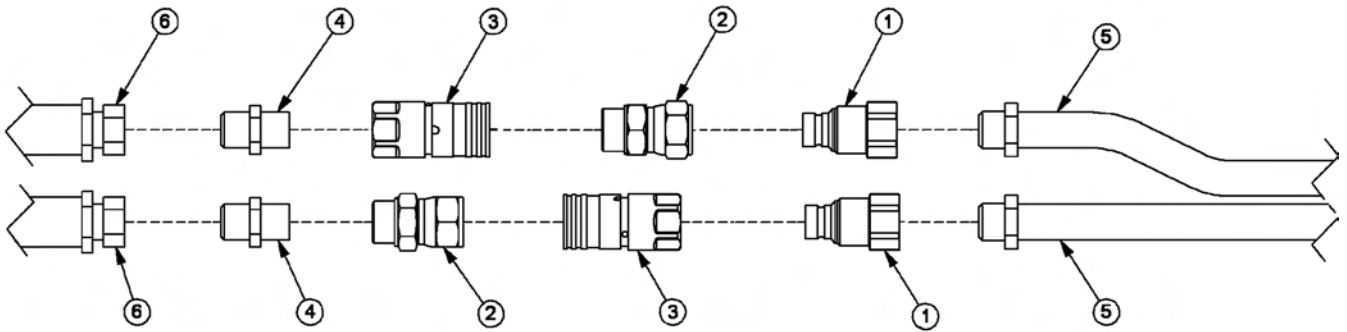
BOOM SWIVEL ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| --- | 32742 | 1 | SWIVEL W/BUSHINGS,BOOM,SABER |
| 1 | 32376 | 1 | SWIVEL,BOOM,SABER,W/O BUSHING |
| 2 | 33705 | 1 | CYLINDER,3X17 1/2,WELDED |
| 3 | 32381 | 1 | PIN,2 1/2,SWIVEL,SABER |
| 4 | 33710 | 1 | PIN,CYLINDER,1,SWIVEL,SABER |
| 5 | 32380 | 1 | PIN,CYL,1,SWIVEL,SABER |
| 6 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 7 | 32378 | 1 | PIN,BOOM TO SWIVEL,SABER |
| 8 | 32322 | 2 | BEARING,DX,2 1/2X2 1/2LONG, |
| 9 | 6T3211 | 2 | GREASE ZERK,1/8 |
| 10 | 21782 | 1 | CAPSCREW,5/8 X 1-3/4 NC |
| 11 | 21992 | 1 | LOCKWASHER,5/8 |
| 12 | 21775 | 1 | HEX NUT,5/8 NC |
| 13 | 21687 | 1 | CAPSCREW,7/16 X 3 NC |
| 14 | 21677 | 3 | NYLOCK NUT,7/16 NC |
| 15 | 21741 | 1 | CAPSCREW,1/2 X 4 NC |
| 16 | 21727 | 1 | NYLOCK NUT,1/2 NC |
| 17 | 21683 | 2 | CAPSCREW,7/16 X 2 NC |
| 18 | ----- | - | MAIN FRAME - REFER TO MAIN FRAME PARTS |
| 19 | 06520250 | 1 | BEARING, WASHER |

COMMON SABER

QUICK COUPLERS



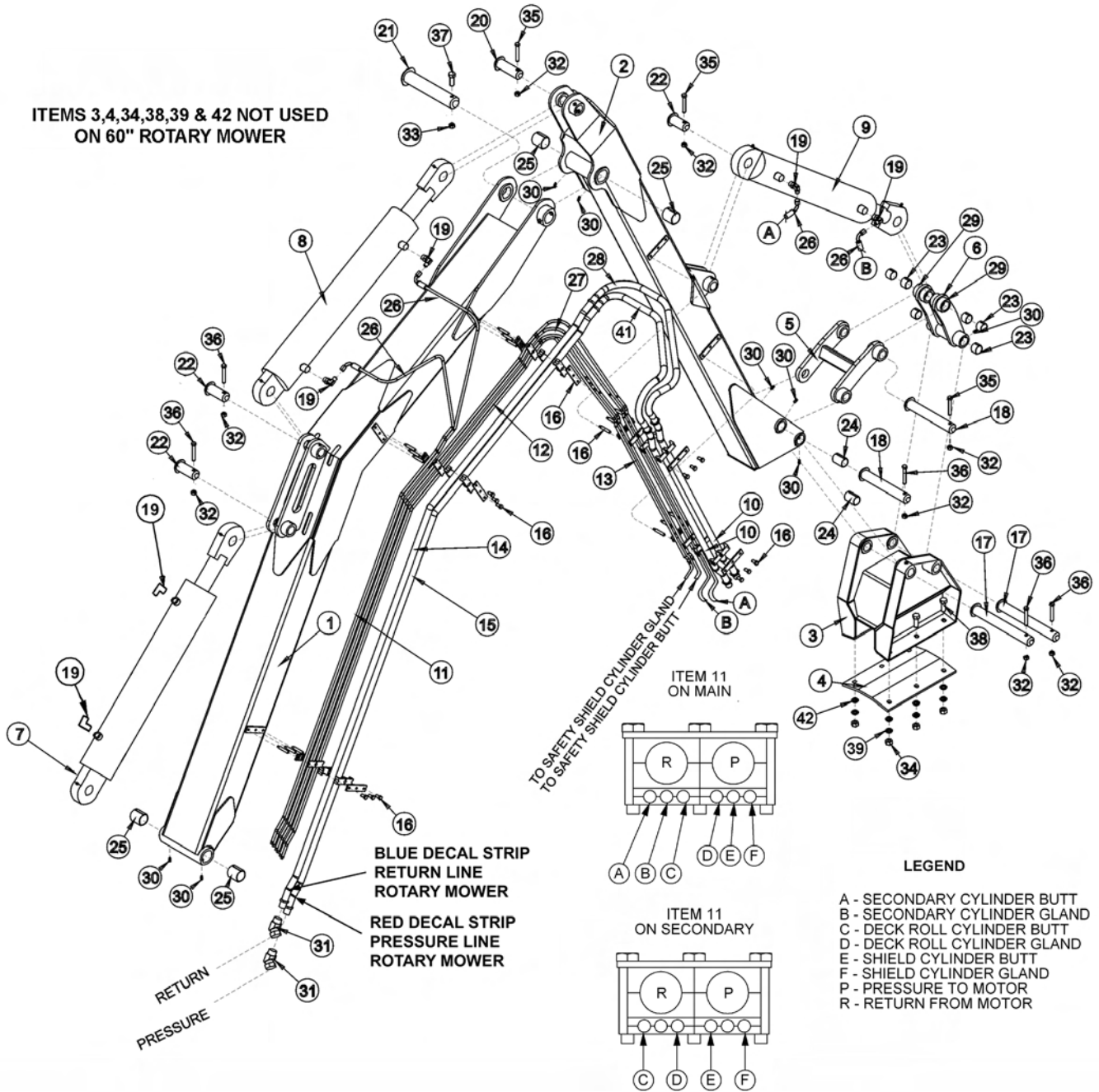
QUICK COUPLERS

Continued...

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

SABER BOOM ASSEMBLY

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



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 32743 | 1 | MAIN BOOM W/BEARING |
| 2 | 32744 | 1 | SECONDARY BOOM W/BEARING |
| 3 | 32311 | 1 | MOUNT,SWIVEL HEAD |
| 4 | 32309 | 1 | MOUNT HEAD PLATE |
| 5 | 32316 | 1 | LINKAGE,BOOM TO CYLINDER |
| 6 | 32745 | 1 | LINKAGE W/BEARING,CYLINDER TO SWIVEL |

COMMON SABER

SABER BOOM ASSEMBLY

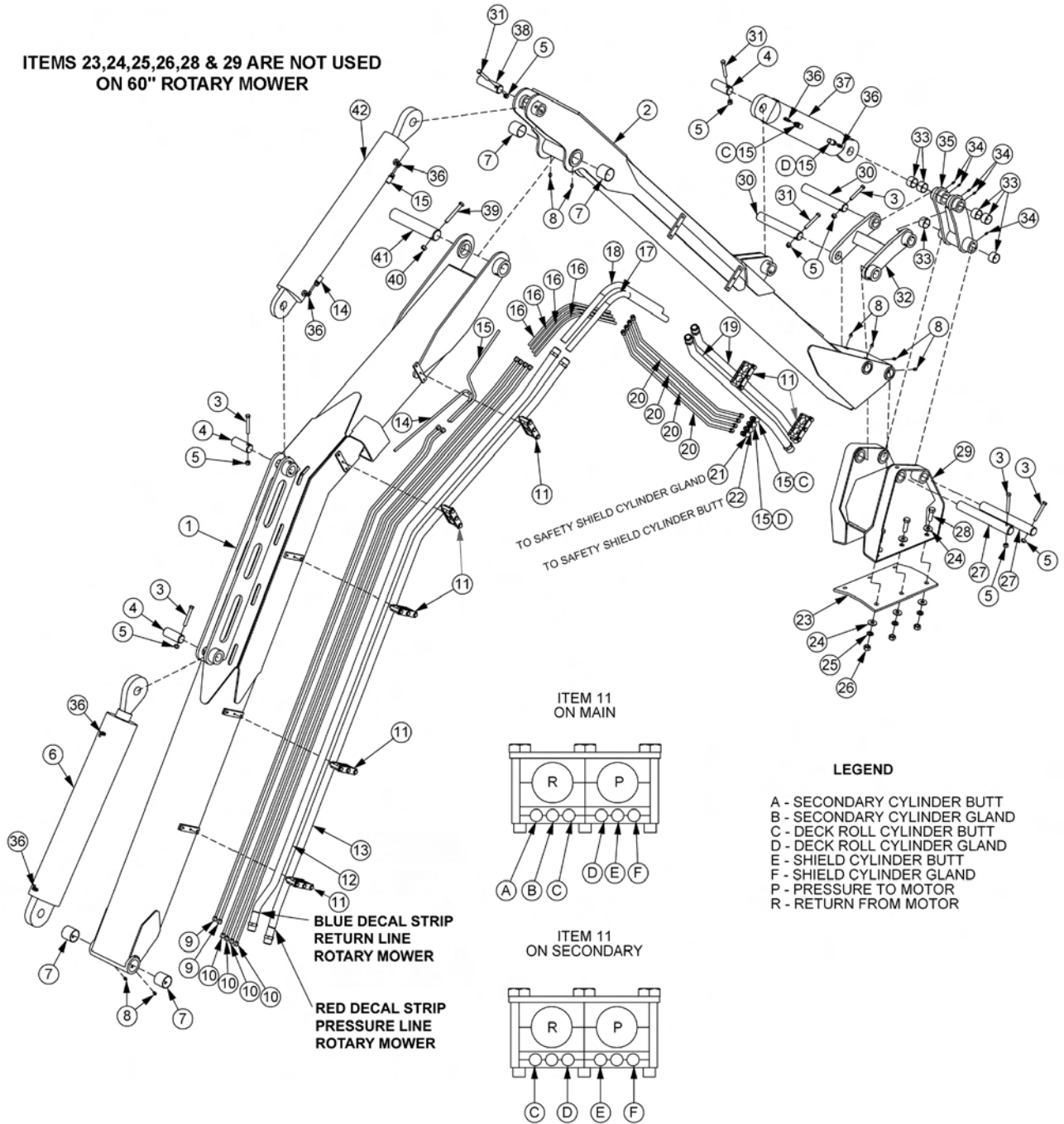
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------------|
| 7 | 32363 | 1 | CYLINDER,5" X 25" |
| 8 | 32364 | 1 | CYLINDER,4-1/2" X 26-1/2" |
| 9 | 32365 | 1 | CYLINDER,4" X 15" |
| 10 | 33542 | 2 | PREFORMED TUBE,1" |
| 11 | 32627 | 2 | PREFORMED TUBE,3/8" |
| 12 | 32628 | 4 | PREFORMED TUBE,3/8" |
| 13 | 32629 | 4 | PREFORMED TUBE,3/8" |
| 14 | 33541 | 1 | PREFORMED TUBE,1" (ROTARY RETURN) |
| 15 | 33540 | 1 | PREFORMED TUBE,1" (ROTARY PRESSURE) |
| 16 | 33215 | 5 | TUBE CLAMP KIT |
| 17 | 32313 | 2 | PIN |
| 18 | 32319 | 2 | PIN |
| 19 | 32810 | 6 | ELBOW |
| 20 | 32372 | 1 | PIN |
| 21 | 32374 | 1 | PIN |
| 22 | 32375 | 3 | PIN |
| 23 | 32318 | 6 | BEARING |
| 24 | 32321 | 4 | BEARING |
| 25 | 32362 | 4 | BEARING |
| 26 | 32818 | 4 | HOSE,3/8" X 24" |
| 27 | 32680 | 4 | HOSE,3/8" X 43" |
| 28 | 33544 | 1 | HOSE,1" X 40" |
| 29 | 6T3207 | 6 | GREASE ZERK |
| 30 | 6T3211 | 8 | GREASE ZERK |
| 31 | 24724 | 2 | SWIVEL |
| 32 | 21677 | 8 | NYLOCK NUT,7/16",NC |
| 33 | 21727 | 1 | NYLOCK NUT,1/2",NC |
| 34 | 6T2408 | 6 | HEX NUT,5/8",NC |
| 35 | 21687 | 3 | CAPSCREW,7/16" X 3",NC |
| 36 | 21688 | 5 | CAPSCREW,7/16" X 3-1/4",NC |
| 37 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 38 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NC |
| 39 | 21992 | 6 | LOCKWASHER,5/8" |
| 40 | 35260 | 1 | HOSE COVER (NOT SHOWN) |
| 41 | 33543 | 1 | HOSE,1" X 39" |
| 42 | 25270 | 12 | FLATWASHER,5/8",USS |

COMMON SABER

SABER MB BOOM ASSEMBLY

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



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------|
| 1 | 06310075 | 1 | BOOM,MB,PRIMARY,SABER |
| 2 | 06310076 | 1 | BOOM,MB,SECONDARY,SABER |
| 3 | 21688 | 5 | CAPSCREW,7/16" X 3-1/4,NC |
| 4 | 32375 | 3 | PIN,1-1/2" X 3-13/16",W/HOLE |
| 5 | 21677 | 8 | NYLOCK NUT,7/16",NC |
| 6 | 32363 | 1 | CYLINDER,5" X 25" |

COMMON SABER

SABER MB BOOM ASSEMBLY

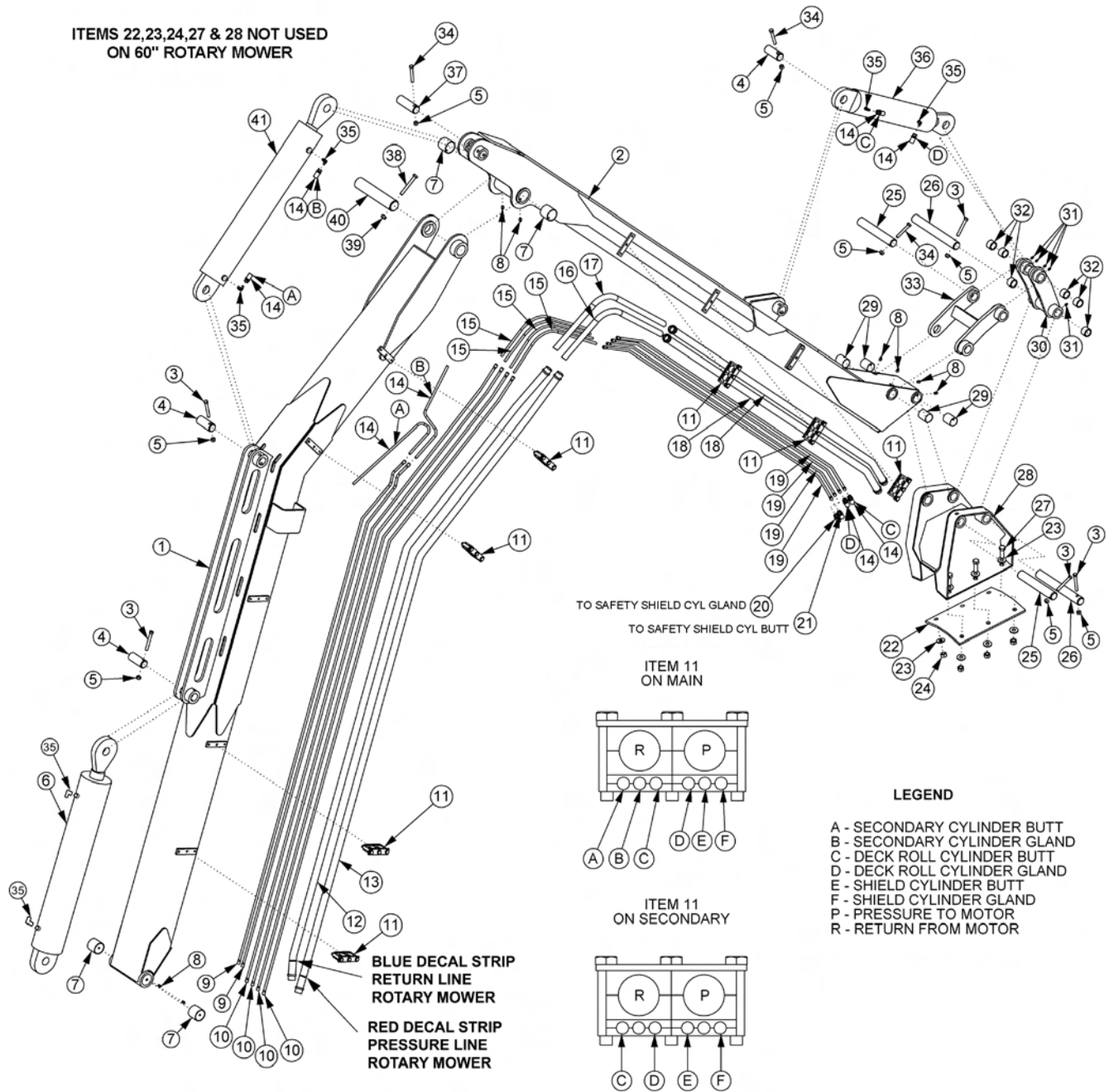
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 7 | 32362 | 4 | BEARING,DX,2" X 2" LONG |
| 8 | 6T3211 | 8 | GREASE ZERK,1/8" X STR |
| 9 | 06506042 | 2 | PRFRMD,1,MAIN,SABER MB |
| 10 | 06506043 | 4 | PRFRMD,2,MAIN,SABER MB |
| 11 | 33215 | 7 | TUBE CLAMP KIT |
| 12 | 06506045 | 1 | PRFRMD,4,MAIN,SABER MB (ROTARY RETURN) |
| 13 | 06506044 | 1 | PRFRMD,3,MAIN,SABER MB (ROTARY PRESSURE) |
| 14 | 06500488 | 1 | HOSE,3/8 X 39" |
| 15 | 32818 | 3 | HOSE,3/8" X 24" |
| 16 | 06500489 | 4 | HOSE,3/8" X 52" |
| 17 | 06500491 | 1 | HOSE,1" X 47" |
| 18 | 06500490 | 1 | HOSE,1" X 49" |
| 19 | 33542 | 2 | PRFRMD,2,SEC,SABER |
| 20 | 32629 | 4 | PRFRMD,1,SEC,SABER |
| 21 | 33223 | 1 | HOSE,3/8" X 70" |
| 22 | 33222 | 1 | HOSE,3/8" X 59" |
| 23 | 32309 | 1 | PLATE,MOUNT,HEAD,MOWER |
| 24 | 25270 | 12 | FLATWASHER,5/8",GR 8 |
| 25 | 21992 | 6 | LOCKWASHER,5/8" |
| 26 | 6T2408 | 6 | HEX NUT,5/8",NF |
| 27 | 32313 | 2 | PIN,MOUNT,SWIVEL |
| 28 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 29 | 32311 | 1 | MOUNT,SWIVEL,HEAD,MOWER |
| 30 | 32319 | 2 | PIN,LINKAGE,BOOM |
| 31 | 21687 | 3 | CAPSCREW,7/16" X 3",NC |
| 32 | 32316 | 1 | LINKAGE,BOOM TO CYLINDER,SABER |
| 33 | 32318 | 6 | BEARING,DX,1-1/2" X 1" LONG |
| 34 | 6T3207 | 6 | GREASE ZERK,1/4" |
| 35 | 32745 | 1 | LINKAGE W/BUSHINGS,SABER |
| 36 | 32810 | 6 | ELBOW,1/2ORB X 3/8MJ |
| 37 | 32365 | 1 | CYLINDER,4" X 15" |
| 38 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 39 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 40 | 21727 | 1 | NYLOCK NUT,1/2" |
| 41 | 32374 | 1 | PIN,BOOM,STAGE 1ST TO 2ND |
| 42 | 32364 | 1 | CYLINDER,4-1/2" X 26-1/2" |

COMMON SABER

SABER XB BOOM ASSEMBLY

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



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 06310031 | 1 | BOOM, LONG, PRIMARY, SABER |
| 2 | 06310032 | 1 | BOOM, LONG, SECONDARY, SABER |
| 3 | 21688 | 5 | CAPSCREW, 7/16" X 3-1/4", NC |
| 4 | 32375 | 3 | PIN, 1-1/2" X 3-13/16", W/HOLE |
| 5 | 21677 | 8 | NYLOCK NUT, 7/16", NC |
| 6 | 32363 | 1 | CYLINDER, 5" X 25" |

COMMON SABER

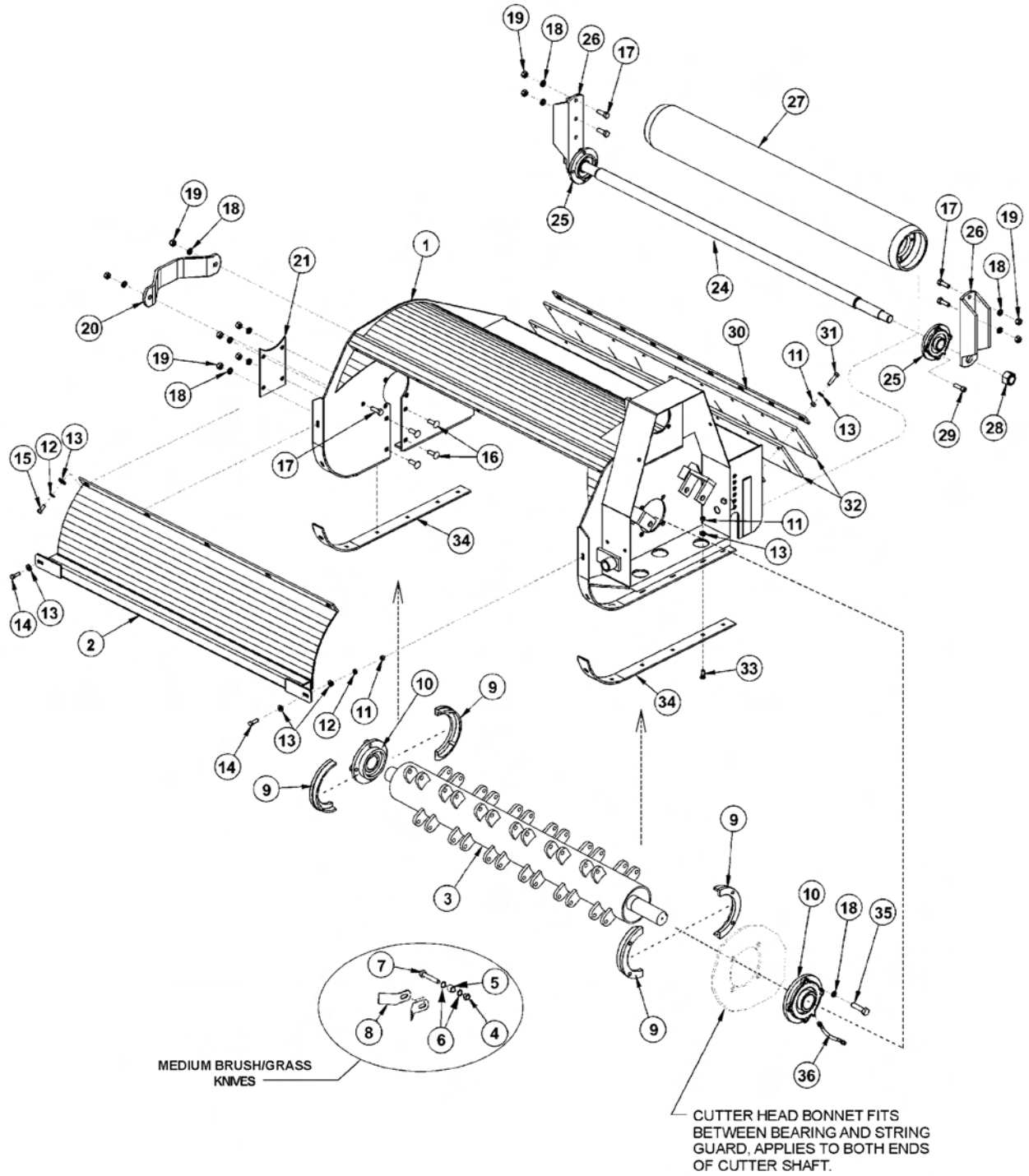
SABER XB BOOM ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| 7 | 32362 | 4 | BEARING,DX,2" X 2" LONG |
| 8 | 6T3211 | 8 | GREASE ZERK,1/8" X STR |
| 9 | 06506029 | 2 | PRFRMD,1,MAIN,SABER XB |
| 10 | 06506030 | 4 | PRFRMD,2,MAIN,SABER XB |
| 11 | 33215 | 7 | TUBE CLAMP KIT |
| 12 | 06506032 | 1 | PRFRMD,4,MAIN,SABER XB (ROTARY RETURN) |
| 13 | 06506031 | 1 | PRFRMD,3,MAIN,SABER XB (ROTARY PRESSURE) |
| 14 | 32818 | 4 | HOSE,3/8" X 24" |
| 15 | 32680 | 4 | HOSE,3/8" X 43" |
| 16 | 33543 | 1 | HOSE,1" X 39" |
| 17 | 33544 | 1 | HOSE,1" X 40" |
| 18 | 06506034 | 2 | PRFRMD,2,SEC,SABER XB |
| 19 | 06506033 | 4 | PRFRMD,1,SEC,SABER XB |
| 20 | 33223 | 1 | HOSE,3/8" X 70" |
| 21 | 33222 | 1 | HOSE,3/8" X 59" |
| 22 | 32309 | 1 | PLATE,MOUNT,HEAD,MOWER |
| 23 | 25270 | 12 | FLATWASHER,5/8",GR 8 |
| 24 | 6T2408 | 6 | HEX NUT,5/8",NF |
| 25 | 32319 | 2 | PIN,LINKAGE,BOOM |
| 26 | 32313 | 2 | PIN,MOUNT,SWIVEL,HEAD,MOWER |
| 27 | 6T2290 | 6 | CAPSCREW,5/8" X 2",NF,GR 8 |
| 28 | 32311 | 1 | MOUNT,SWIVEL,HEAD,MOWER |
| 29 | 32321 | 4 | BEARING,DX,1-1/2" X 2" LONG |
| 30 | 32745 | 1 | LINKAGE W/BUSHINGS,SABER |
| 31 | 6T3207 | 6 | GREASE ZERK,1/4" |
| 32 | 32318 | 6 | BEARING,DX,1-1/2" X 1" LONG |
| 33 | 32316 | 1 | LINKAGE,BOOM TO CYLINDER,SABER |
| 34 | 21687 | 3 | CAPSCREW,7/16" X 3", NC |
| 35 | 32810 | 6 | ELBOW,1/2ORB X 3/8MJ |
| 36 | 32365 | 1 | CYLINDER,4" X 15" |
| 37 | 32372 | 1 | PIN,CYLINDER,STAGE,2ND |
| 38 | 21741 | 1 | CAPSCREW,1/2" X 4",NC |
| 39 | 21727 | 1 | NYLOCK NUT,1/2" |
| 40 | 32374 | 1 | PIN,BOOM,STAGE 1ST TO 2ND |
| 41 | 32364 | 1 | CYLINDER,4-1/2" X 26-1/2" |

COMMON SABER

50IN FLAIL ASSEMBLY



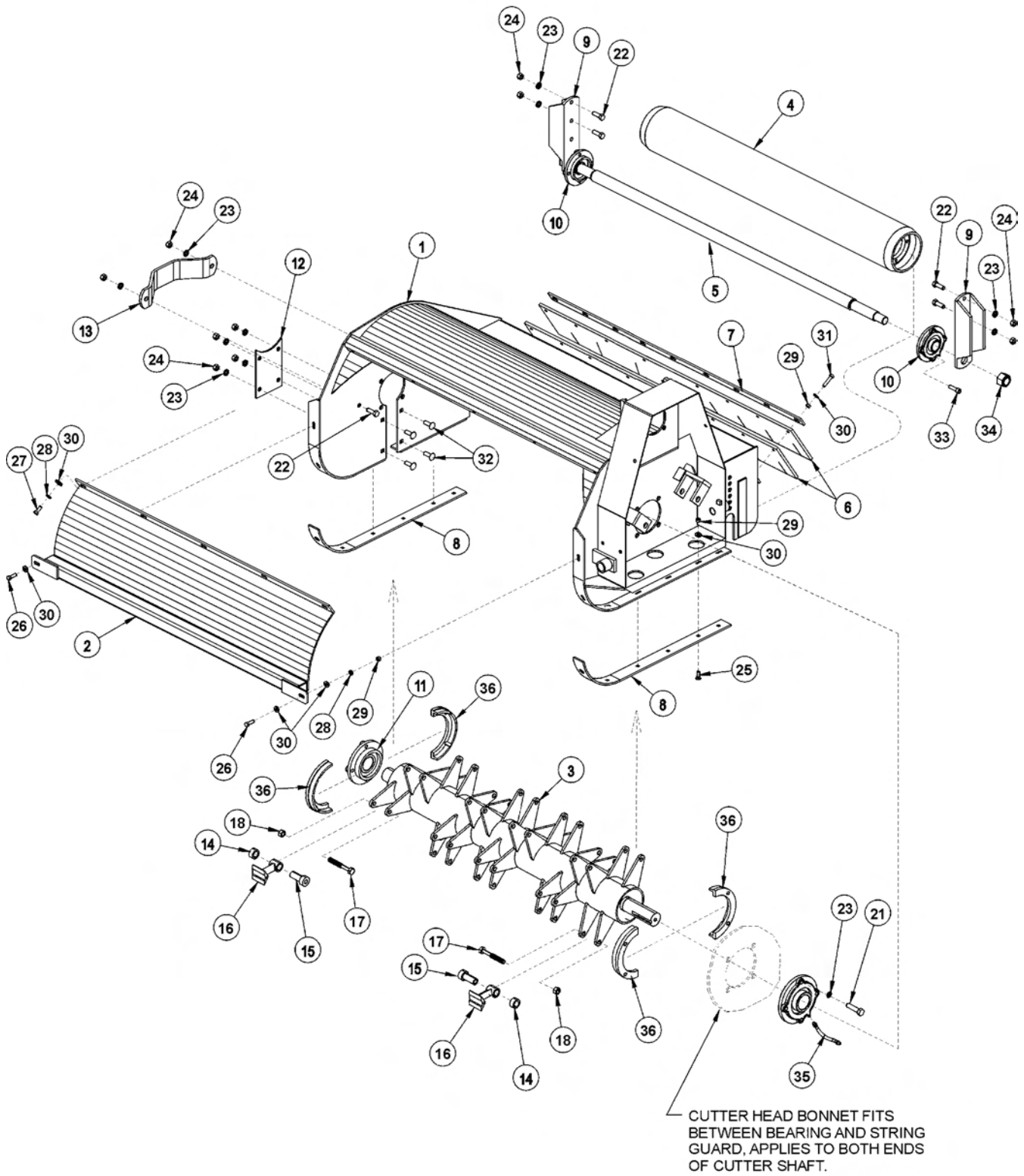
50IN FLAIL ASSEMBLY

Continued...

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

COMMON SABER

50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES



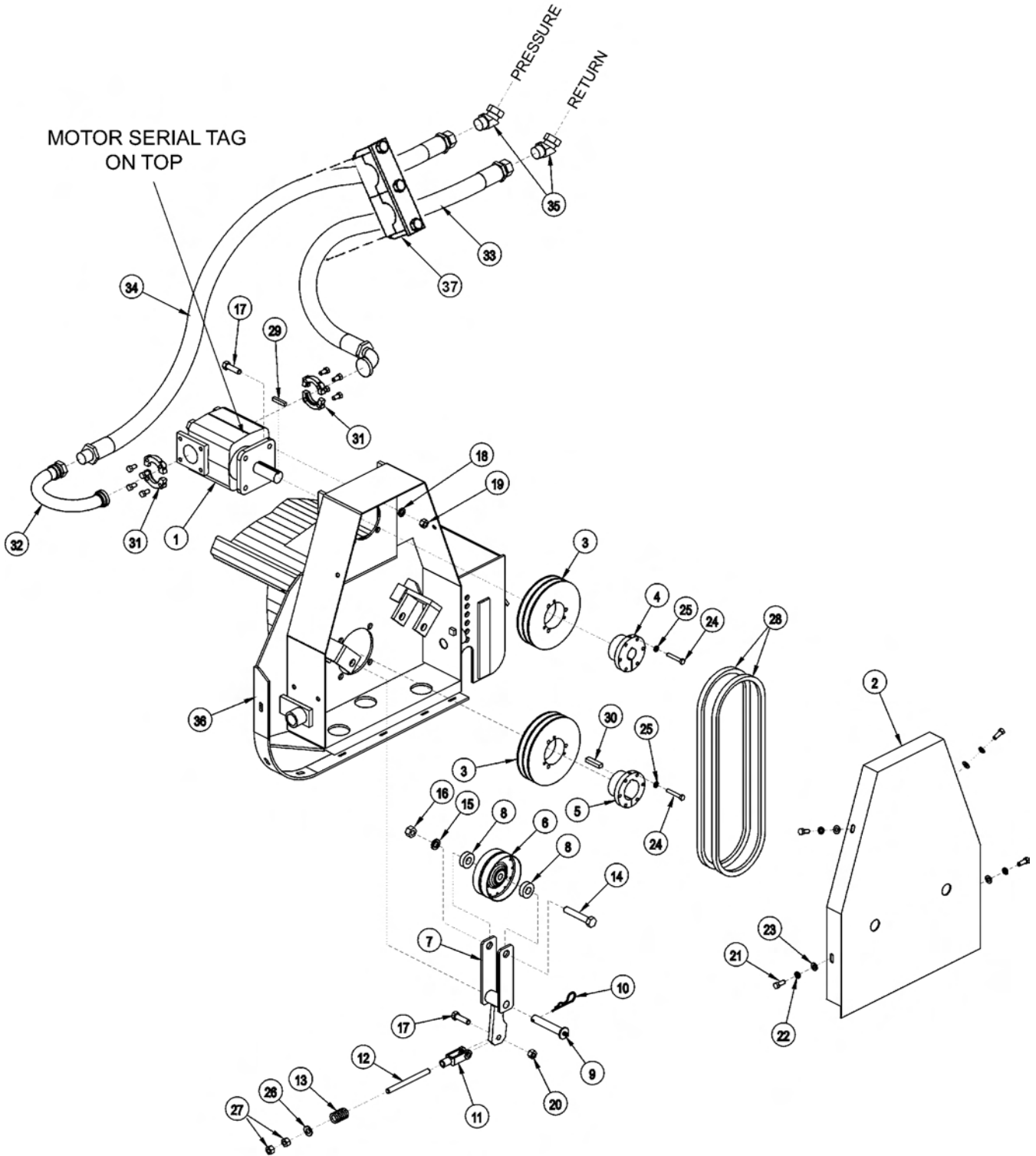
50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES

Continued...

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

COMMON SABER

50IN FLAIL DRIVE ASSEMBLY



50IN FLAIL DRIVE ASSEMBLY

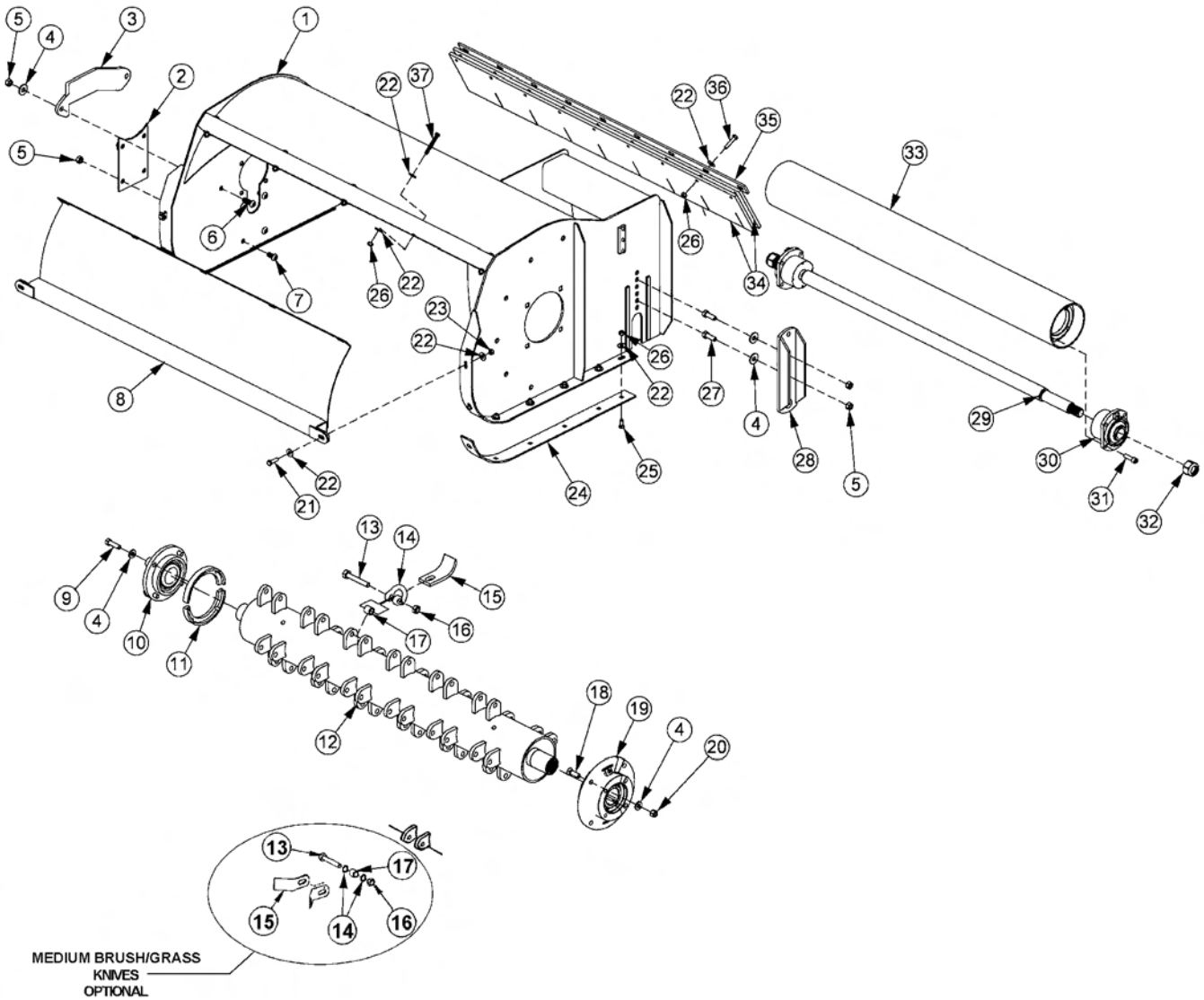
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---------------------------|
| 1 | 06504013 | 1 | MOTOR |
| 2 | TF3006 | 1 | BELT GUARD |
| 3 | TF3043 | 2 | SHEAVE |
| 4 | TF3013 | 1 | BUSHING |
| 5 | TF3011 | 1 | BUSHING |
| 6 | TF3034 | 1 | IDLER PULLEY |
| 7 | TF3205 | 1 | IDLER ARM |
| 8 | TF3206 | 2 | IDLER PULLEY SPACER |
| 9 | TF3605 | 1 | IDLER ARM PIN WITH ZERK |
| 10 | 6T3004 | 1 | R - CLIP |
| 11 | PT3611A | 1 | CLEVIS |
| 12 | 32481 | 1 | THREADED ROD |
| 13 | TF3620 | 1 | COMPRESSION SPRING |
| 14 | 21789 | 1 | CAPSCREW,5/8" X 3-1/2",NC |
| 15 | 21992 | 1 | LOCKWASHER,5/8" |
| 16 | 21775 | 1 | HEX NUT,5/8",NC |
| 17 | 21732 | 5 | CAPSCREW,1/2" X 1-3/4",NC |
| 18 | 21990 | 4 | LOCKWASHER,1/2" |
| 19 | 21725 | 4 | HEX NUT,1/2",NC |
| 20 | 6T2418 | 1 | LOCK NUT,1/2" |
| 21 | 21630 | 4 | CAPSCREW,3/8" X 1",NC |
| 22 | 21988 | 4 | LOCKWASHER,3/8" |
| 23 | 22016 | 4 | FLATWASHER,3/8" |
| 24 | 21584 | 6 | CAPSCREW,5/16" X 2",NC |
| 25 | 21987 | 6 | LOCKWASHER,5/16" |
| 26 | 27938 | 1 | FLATWASHER,1/2" |
| 27 | 21700 | 2 | HEX NUT,1/2",NF |
| 28 | TF3021 | 2 | BELT |
| 29 | TF1125 | 1 | SQUARE KEY |
| 30 | TF1025 | 1 | SQUARE KEY MOTOR |
| 31 | TF4852 | 2 | FLANGE KIT |
| 32 | 06506038 | 1 | PREFORMED TUBE |
| 33 | 06500025 | 1 | HOSE,1 X 71 (RETURN) |
| 34 | 06500469 | 1 | HOSE,1 X 81 (PRESSURE) |
| 35 | 24724 | 2 | SWIVEL FITTING |
| 36 | ----- | - | CUTTER HEAD |
| 37 | 06505130 | 1 | CLAMP,HOSE |

COMMON SABER

SABER DIRECT DRIVE FLAIL ASSY

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



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

SABER DIRECT DRIVE FLAIL ASSY

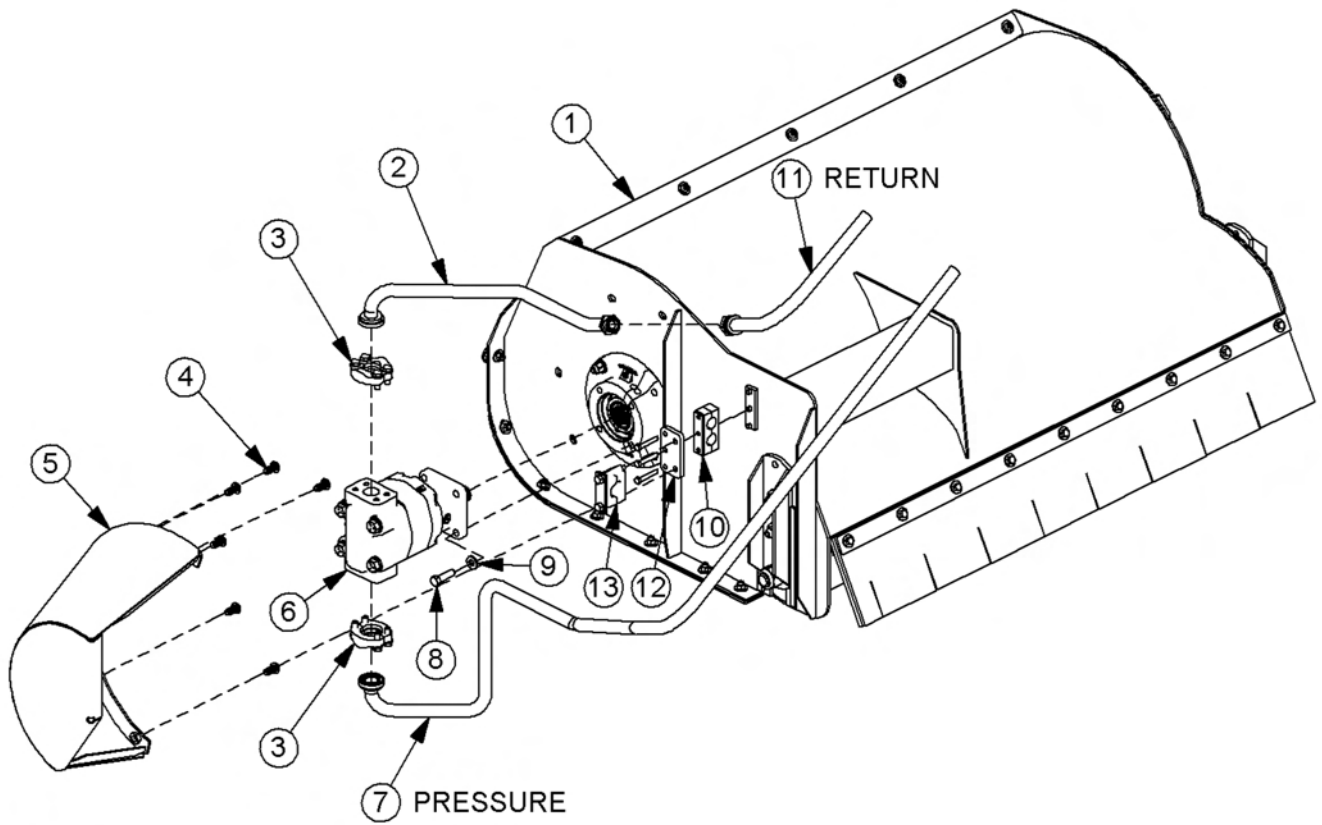
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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------------|
| 1 | 06320112 | 1 | BONNET |
| 2 | TF3007A | 1 | COVER PLATE |
| 3 | 06410794 | 1 | GUARD |
| 4 | 06533006 | 14 | FLATWASHER,1/2",GR 9 |
| 5 | 21727 | 10 | NYLOCK NUT,1/2",NC |
| 6 | 06530404 | 2 | CAPSCREW,SKT/BUT HD,1/2" X 1-1/2",NC |
| 7 | 06530401 | 4 | CAPSCREW,SKT/BUT HD,1/2" X 1",NC |
| 8 | 06320127 | 1 | DOOR,SBF50 DD |
| 9 | 06530218 | 4 | CAPSCREW,1/2" X 1-3/4",NC,L9 |
| 10 | 06520211 | 1 | BEARING W/ HOUSING |
| 11 | 31204 | 1 | STRING GUARD |
| --- | 06700123 | 1 | CUTTERSHAFT ASSY (LIGHT BRUSH) |
| ---- | 06700153 | 1 | CUTTERSHAFT ASSY (MEDIUM BRUSH) |
| 12 | 06370124 | 1 | CUTTERSHAFT W/ INSERT |
| 13 | 34786 | 24 | KNIFE MNTG BOLT |
| 14 | 34782 | 24 | KNIFE MNTG CLEVIS (LIGHT BRUSH) |
| --- | 06430122 | 48 | SPACER (MEDIUM BRUSH) |
| 15 | 34780 | 24 | KNIFE (LIGHT BRUSH) |
| --- | 06521007 | 48 | KNIFE (MEDIUM BRUSH) |
| 16 | 6T2419 | 24 | HEX NUT,9/16",STOVER |
| 17 | 41725.01 | 24 | SPACER |
| 18 | 06537030 | 4 | PLOW BOLT,1/2" X 1-3/4",NC,GR8 |
| 19 | 06520190 | 1 | BEARING,DRIVE |
| 20 | 06531005 | 4 | HEX NUT,1/2",NC,L9 |
| 21 | 21631 | 2 | CAPSCREW,3/8" X 1-1/4",NC,GR8 |
| 22 | 22016 | 35 | FLATWASHER,3/8" |
| 23 | 21627 | 2 | NYLOCK NUT,3/8",NC |
| 24 | 06410802 | 2 | SKID SHOE |
| 25 | 6T2270 | 12 | PLOW BOLT,3/8" X 1",NC |
| 26 | 21625 | 26 | HEX NUT,3/8",NC |
| 27 | 21731 | 4 | CAPSCREW,1/2" X 1-1/2",NC |
| 28 | 06320125 | 2 | BRACKET,GROUND ROLLER |
| 29 | 31452 | 1 | AXLE,TIE-ROD |
| 30 | TF1022 | 2 | BEARING,GROUND ROLLER |
| 31 | 6T2330 | 8 | CAPSCREW,SKT HD,7/16" X 1-1/2",NC |
| 32 | 6T1023R | 2 | NYLOCK NUT,1-1/8",NF |
| 33 | TF3405 | 1 | GROUND ROLLER |
| 34 | TB1006A | 2 | FLAP |
| 35 | TB1008 | 1 | FLAP BAR |
| 36 | 21633 | 9 | CAPSCREW,3/8" X 1-3/4",NC,GR8 |
| 37 | 06530402 | 5 | CAPSCREW,SKT/BUT HD,3/8" X 2-3/4",NC |

COMMON SABER

SABER DIRECT DRIVE ASSEMBLY

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



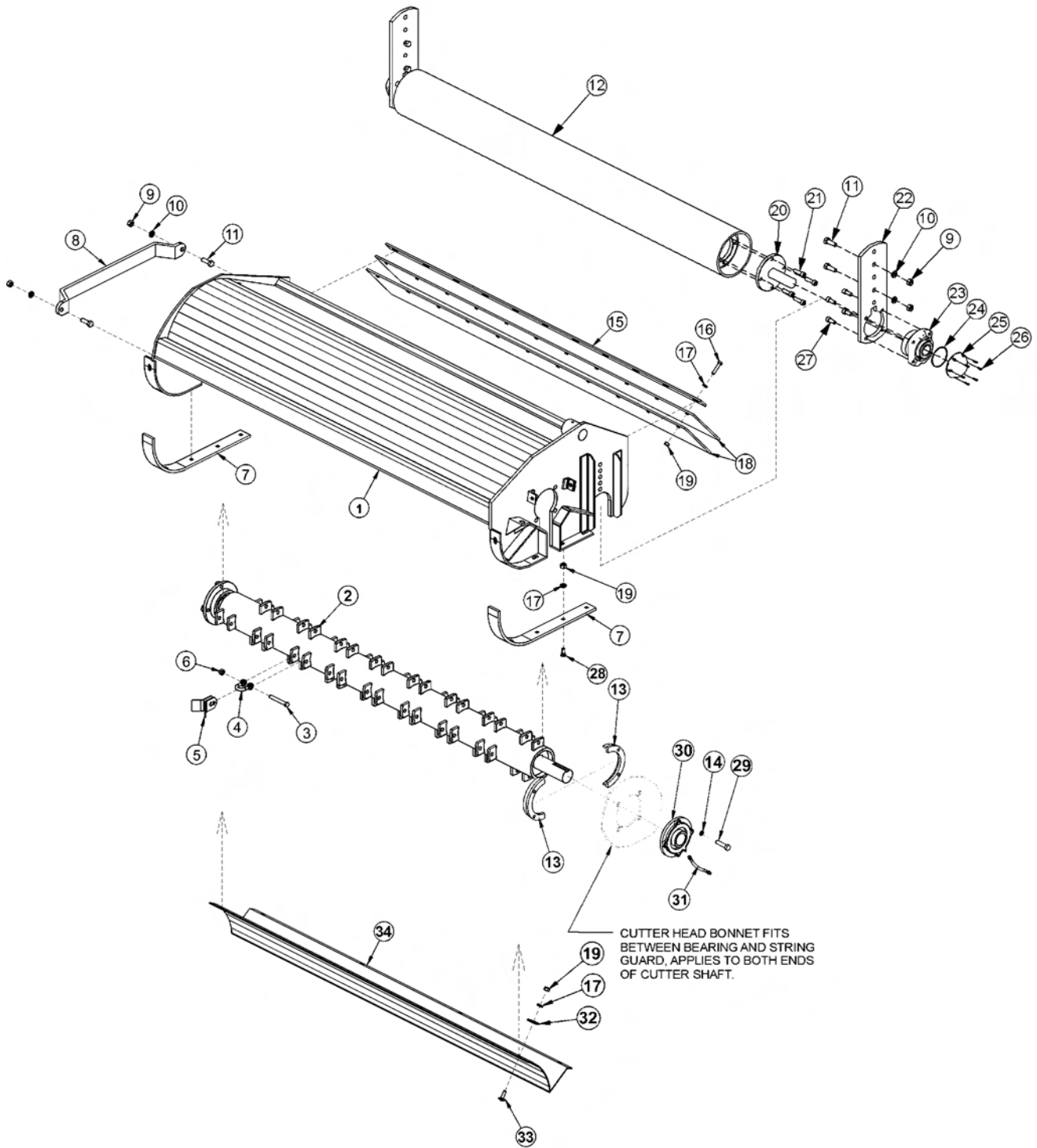
SABER DIRECT DRIVE ASSEMBLY

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

COMMON SABER

63IN FLAIL ASSEMBLY



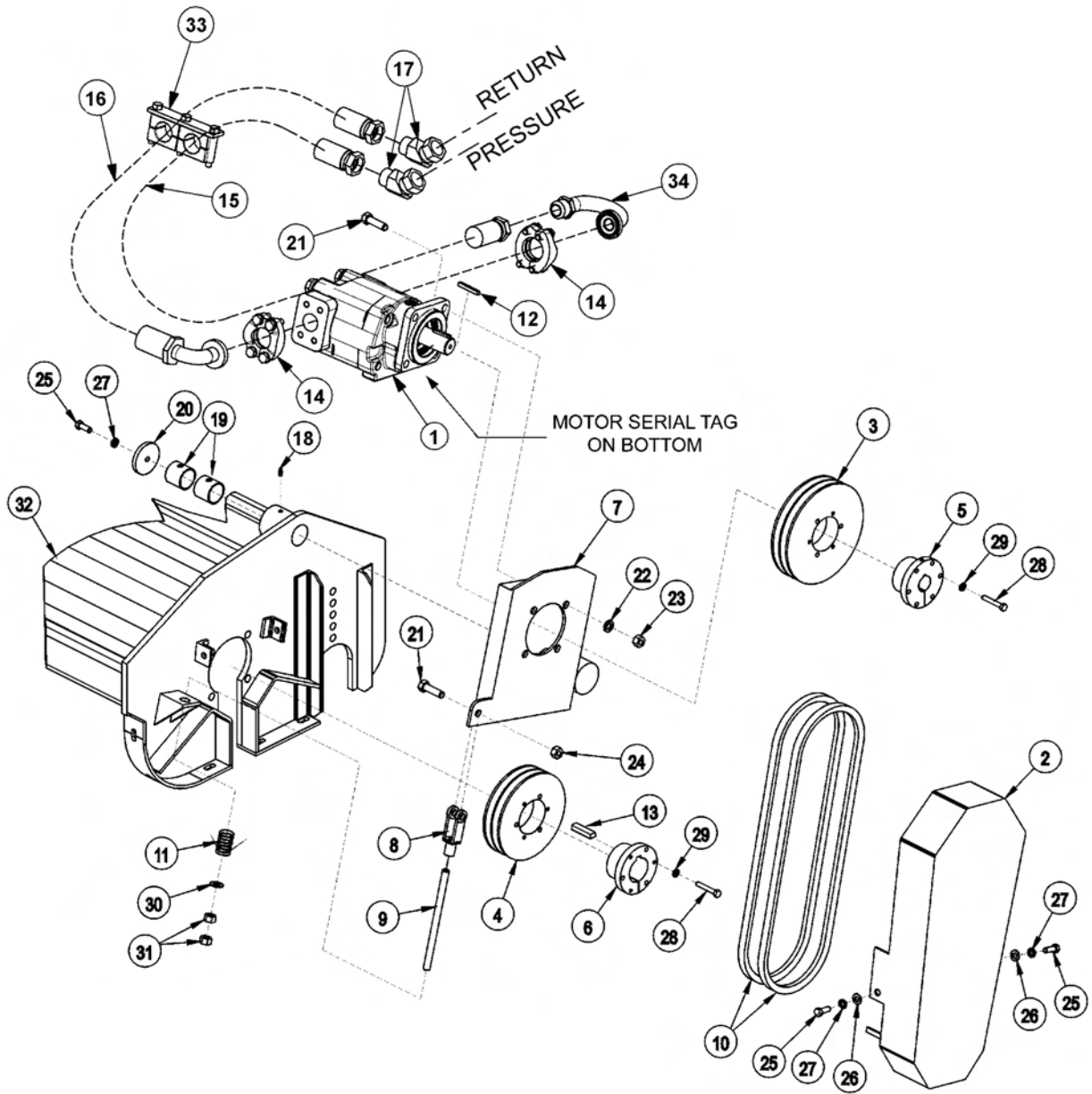
63IN FLAIL ASSEMBLY

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

COMMON SABER

63IN FLAIL DRIVE ASSEMBLY



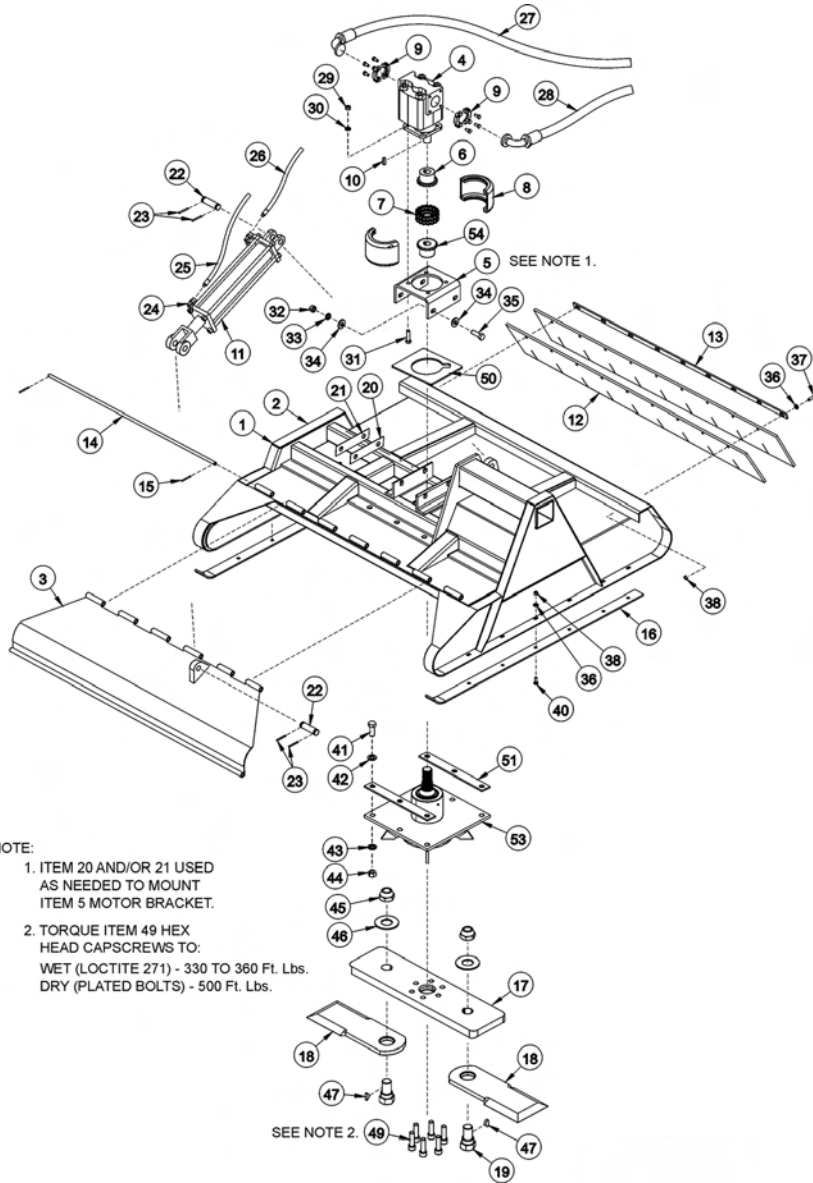
63IN FLAIL DRIVE ASSEMBLY

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|----------------------------------|
| 1 | 06504013 | 1 | MOTOR (M350-1 3/4 GEAR) |
| 2 | 28703B | 1 | BELT GUARD |
| 3 | TF3044 | 1 | UPPER SHEAVE |
| 4 | TF3040 | 1 | LOWER SHEAVE |
| 5 | TF3013 | 1 | BUSHING |
| 6 | 28723 | 1 | BUSHING |
| 7 | 28679B | 1 | MOTOR CHANNEL |
| 8 | PT3611A | 1 | CLEVIS |
| 9 | 40496 | 1 | THREADED ROD |
| 10 | 28702 | 2 | BELT |
| 11 | TF3620A | 1 | TENSIONER SPRING |
| 12 | 28572 | 1 | SQUARE KEY |
| 13 | TF1025 | 1 | SQUARE KEY |
| 14 | TF4852 | 2 | FLANGE KIT |
| 15 | 30308 | 1 | HOSE,1" X 143" (PRESSURE) |
| 16 | 30309 | 1 | HOSE,1" X 143" (RETURN) |
| 17 | 24724 | 2 | SWIVEL FITTING |
| 18 | TF1033 | 1 | GREASE ZERK |
| 19 | 27580 | 1 | BUSHING |
| 20 | 28682 | 1 | MOTOR CHANNEL WASHER |
| 21 | 21732 | 5 | CAPSCREW,1/2" X 1-3/4",NC |
| 22 | 21990 | 5 | LOCKWASHER,1/2" |
| 23 | 21725 | 4 | HEX NUT,1/2",NC |
| 24 | 21727 | 1 | NYLOCK NUT,1/2",NC |
| 25 | 21630 | 3 | CAPSCREW,3/8" X 1",NC |
| 26 | 22016 | 2 | FLATWASHER,3/8" |
| 27 | 21988 | 3 | LOCKWASHER,3/8" |
| 28 | 21584 | 6 | CAPSCREW,5/16" X 2",NC |
| 29 | 21987 | 6 | LOCKWASHER,5/16" |
| 30 | 27938 | 1 | FLATWASHER,1/2" |
| 31 | 21700 | 2 | HEX NUT,1/2",NF |
| 32 | ----- | - | CUTTER HEAD *REFER TO MOWER ASSY |
| 33 | 35131 | 1 | CLAMP,HOSE |
| 34 | 06506038 | 1 | PREFORMED TUBE |

COMMON SABER

50IN SABER ROTARY MOWER



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------|
| 1 | 33304 | - | ROTARY,SABER 50",ASSY |
| 2 | 32914 | 1 | ROTARY,SABER 50",DECK |
| 3 | 32915 | 1 | SHIELD,50" ROTARY,SABER |
| 4 | 06504012 | 1 | MOTOR |
| 5 | 33198 | 1 | MOTOR MOUNTING BRACKET |
| 6 | 34479 | 1 | SPROCKET,MOTOR |
| 7 | 34482 | 1 | CHAIN COUPLING |
| 8 | 34483 | 1 | COVER COUPLING |
| 9 | TF4852 | 2 | FLANGE KIT |
| 10 | TF1124 | 1 | KEY,WOODRUFF |
| 11 | 33185 | 1 | CYLINDER |

COMMON SABER

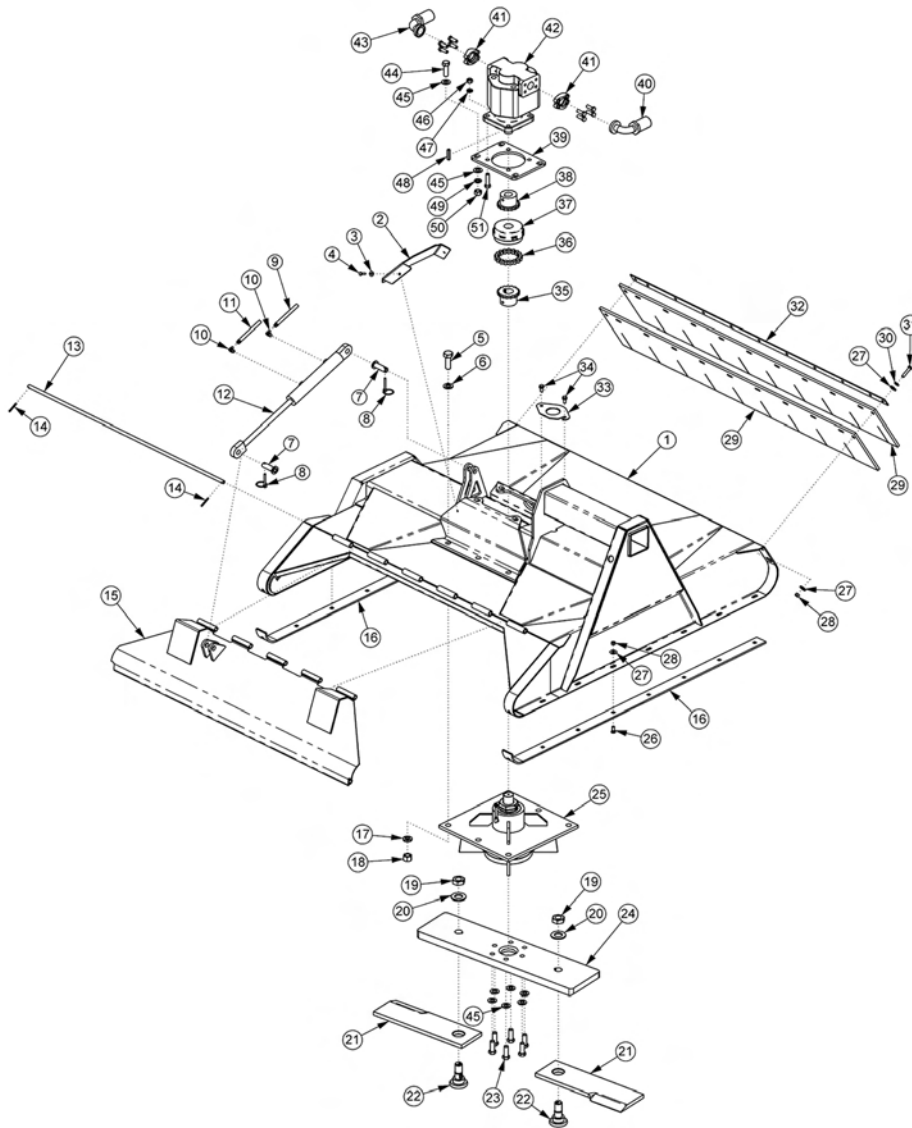
50IN SABER ROTARY MOWER

Continued...

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

COMMON SABER

50IN SABER MB ROTARY MOWER



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

COMMON SABER

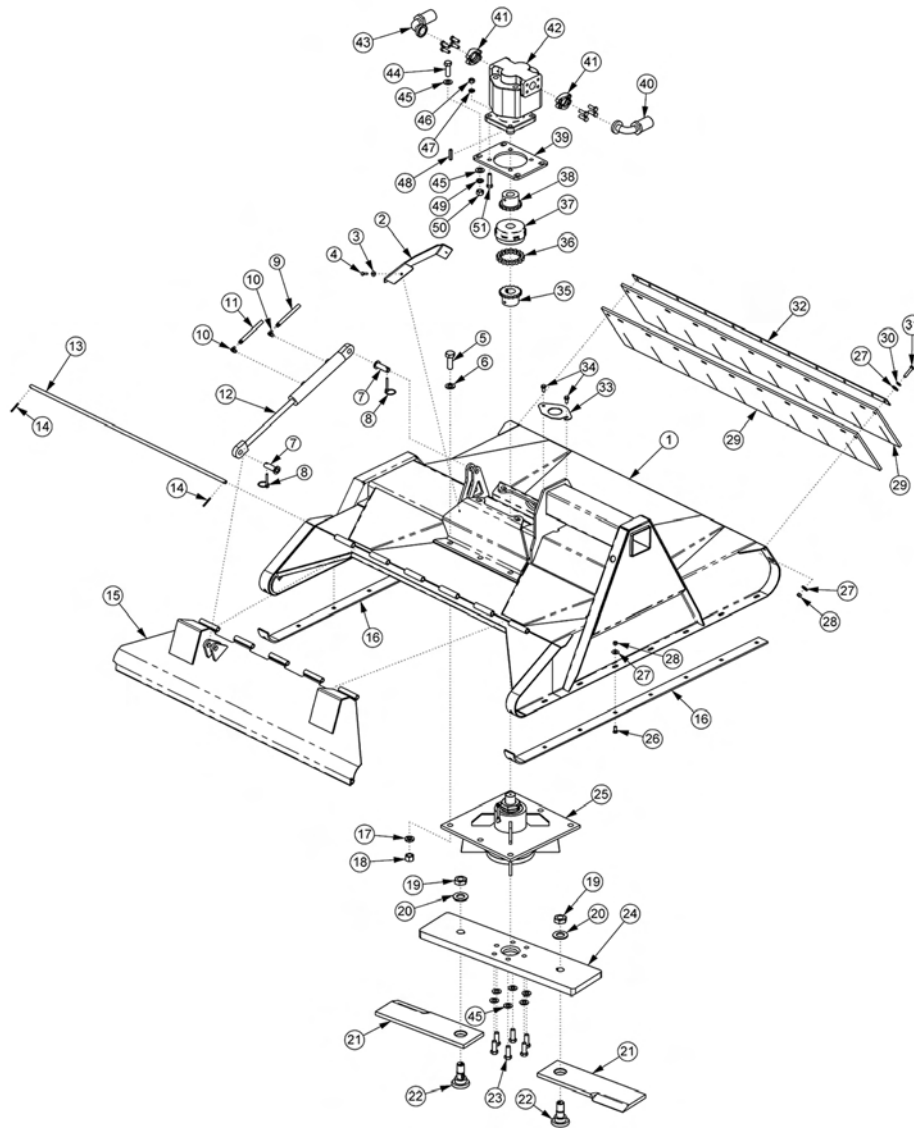
50IN SABER MB ROTARY MOWER

Continued...

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

COMMON SABER

50IN SABER XB ROTARY MOWER



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

COMMON SABER

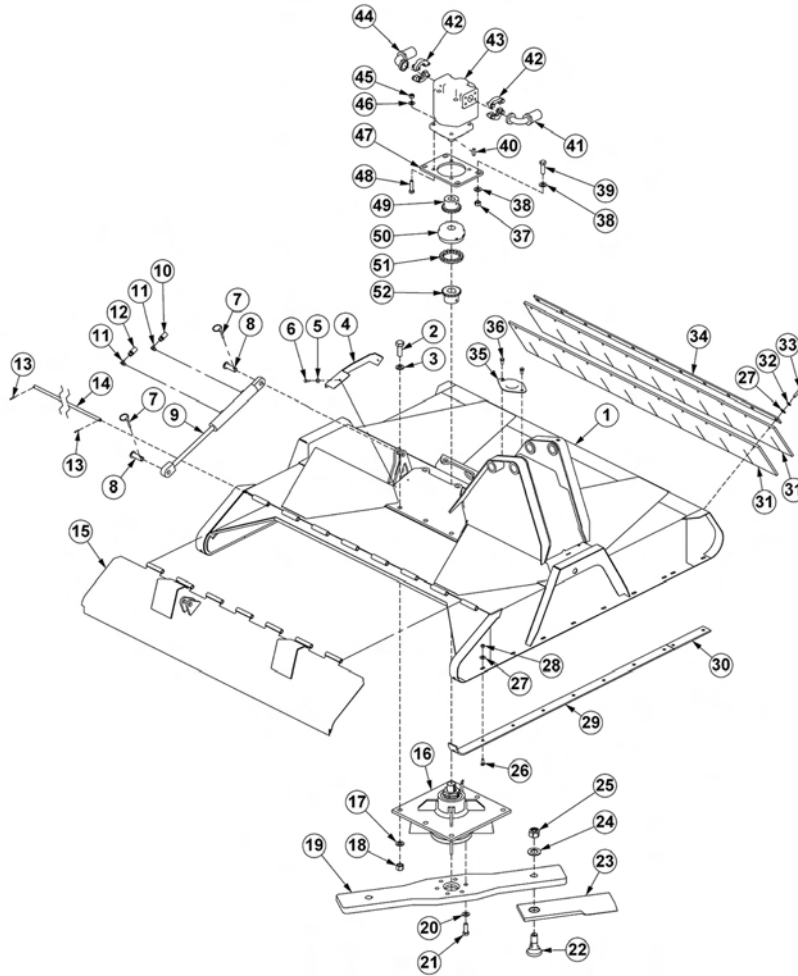
50IN SABER XB ROTARY MOWER

Continued...

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

COMMON SABER

60IN SABER ROTARY MOWER



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

COMMON SABER

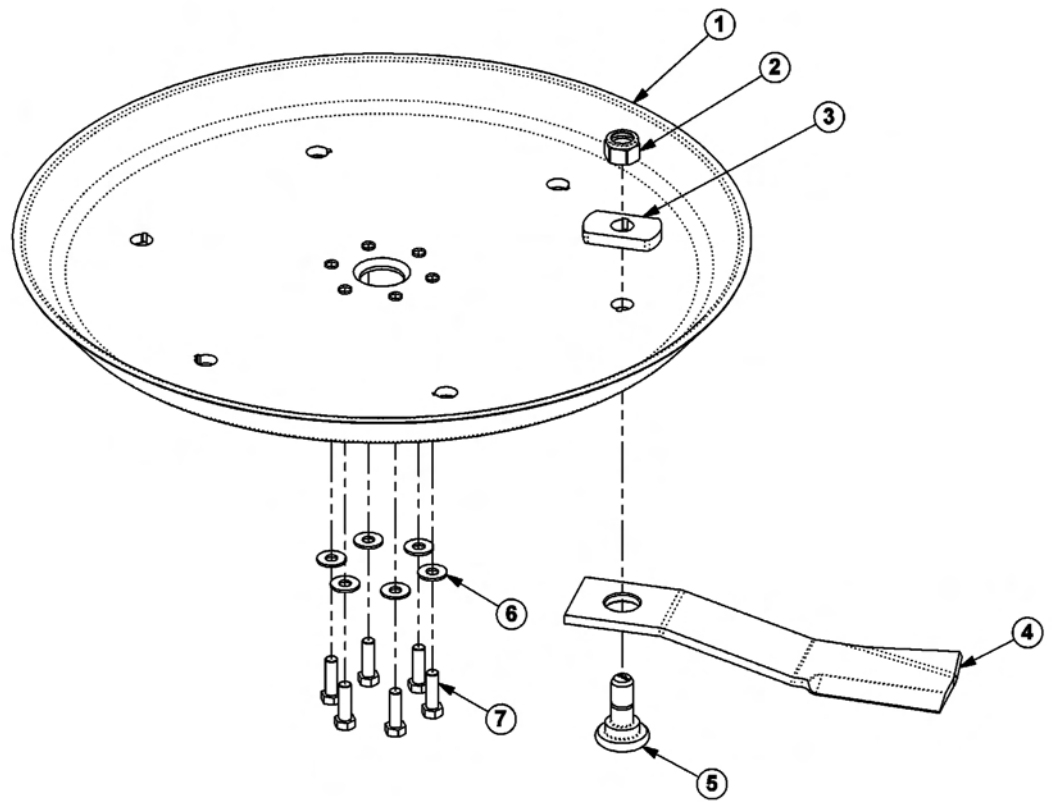
60IN SABER ROTARY MOWER

Continued...

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

COMMON SABER

60IN ROTARY KNIFE AND DISH OPTION



60IN ROTARY KNIFE AND DISH OPTION

Continued...

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

COMMON SABER

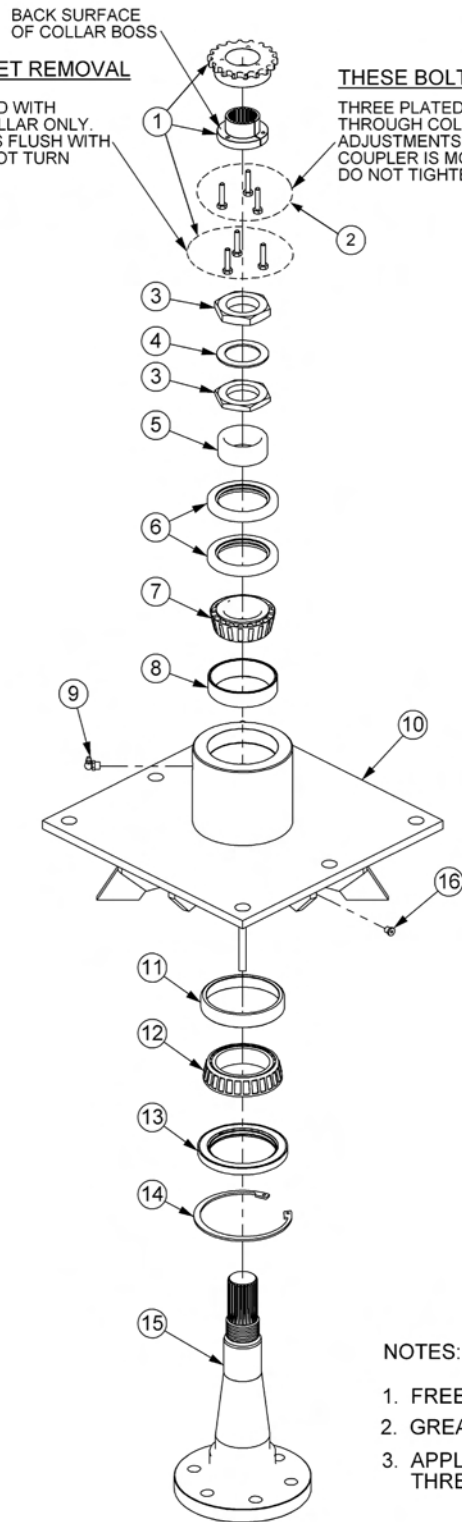
SABER SPINDLE ASSEMBLY

THESE BOLTS ARE FOR SPROCKET REMOVAL

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

THESE BOLTS ARE FOR ASSEMBLY

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



NOTES:

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

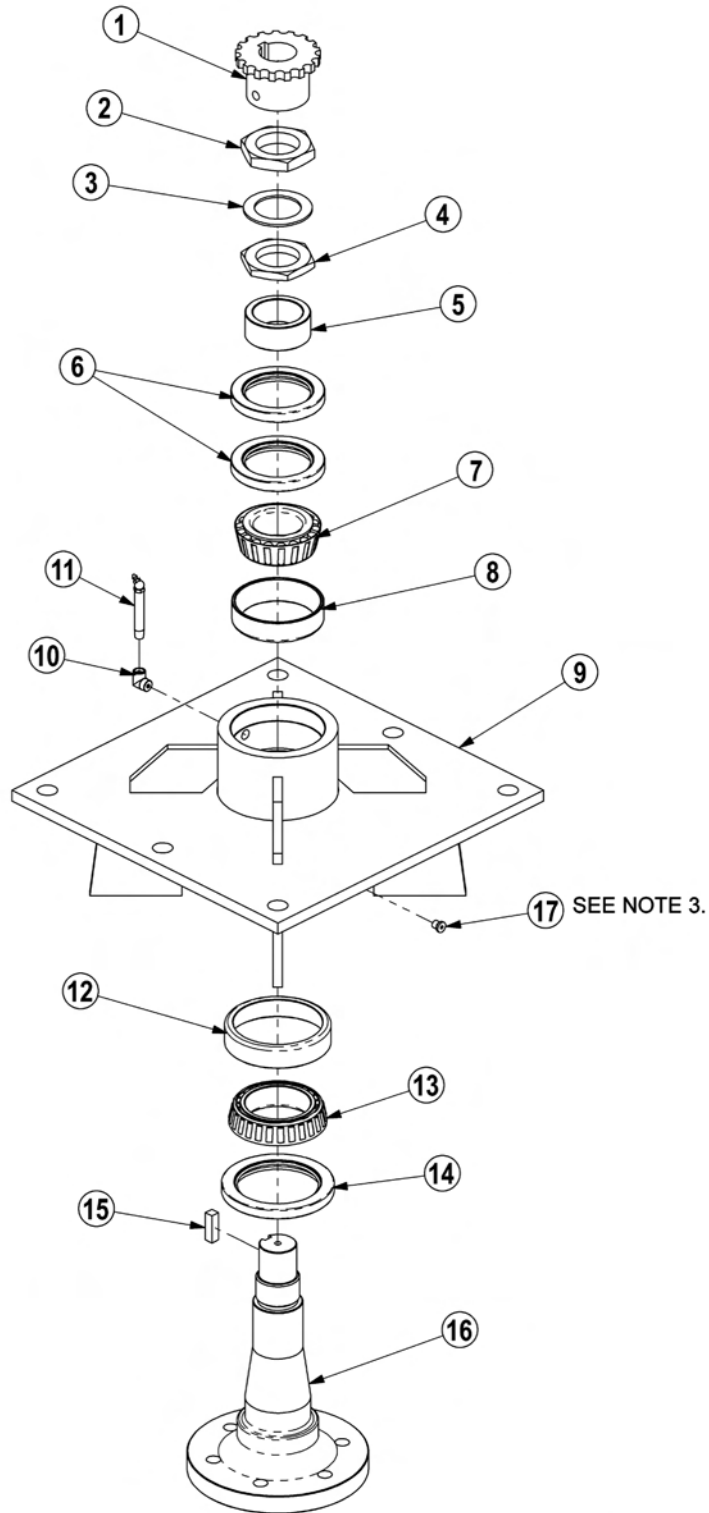
SABER SPINDLE ASSEMBLY

Continued...

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

COMMON SABER

SABER XB & 60IN SPINDLE ASSY



NOTES:

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

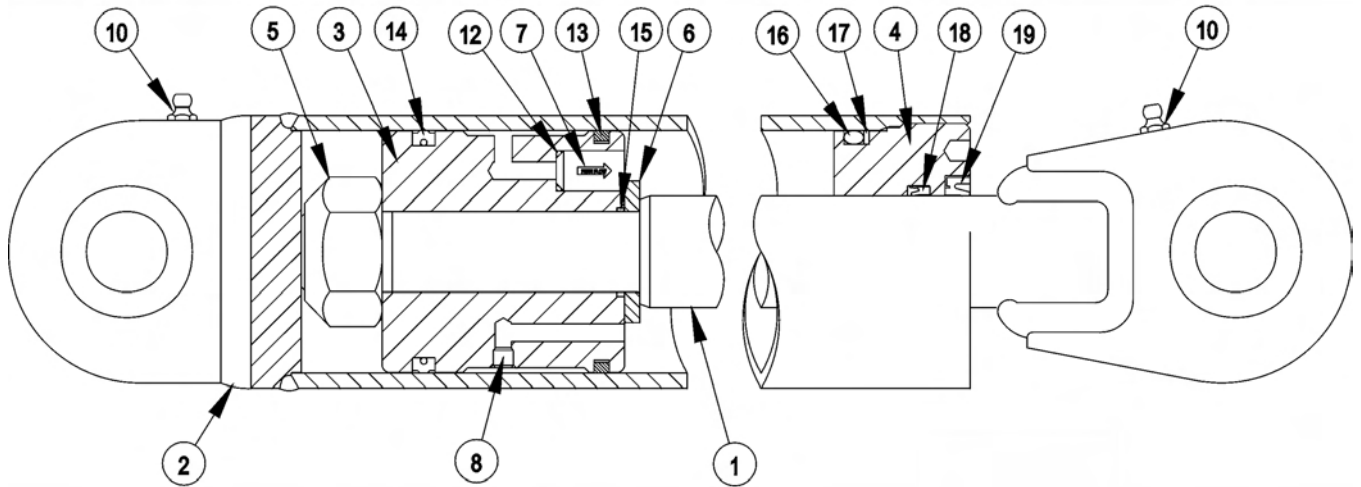
SABER XB & 60IN SPINDLE ASSY

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| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|-----------|------|---|
| --- | 6T1024H5 | - | SPINDLE ASSEMBLY |
| 1 | 6T1031 | 1 | SPROCKET |
| 2 | 6T1016 | 1 | BEARING LOCK NUT,THICK |
| 3 | 22596 | 1 | JAM WASHER |
| 4 | 6T1015 | 1 | BEARING ADJUSTMENT NUT,THIN |
| 5 | 6T1014 | 1 | BEARING ADJUSTMENT SLEEVE |
| 6 | 6T1011 | 1 | UPPER SEAL (SET OF 2) |
| 7 | 6T1012 | 1 | BEARING CONE |
| 8 | 6T1013 | 1 | BEARING CUP |
| 9 | 6T1010H | 1 | SPINDLE HOUSING |
| 10 | 30570 | 1 | FITTING,STREET ELBOW |
| 11 | 33990 | 1 | GREASE ZERK |
| 12 | 6T1013H | 1 | BEARING CUP |
| 13 | 6T1012H | 1 | BEARING CONE |
| 14 | 6T1011H | 1 | LOWER SEAL |
| 15 | 6T1019 | 1 | SPINDLE KEY |
| 16 | PT1018H-5 | 1 | SPINDLE |
| 17 | 06503064 | 1 | O-RING PLUG,1/8" |
| --- | 33993 | - | SPINDLE REBUILD KIT (ITEMS 2 THRU 8 & 12 THRU 15) |

COMMON SABER

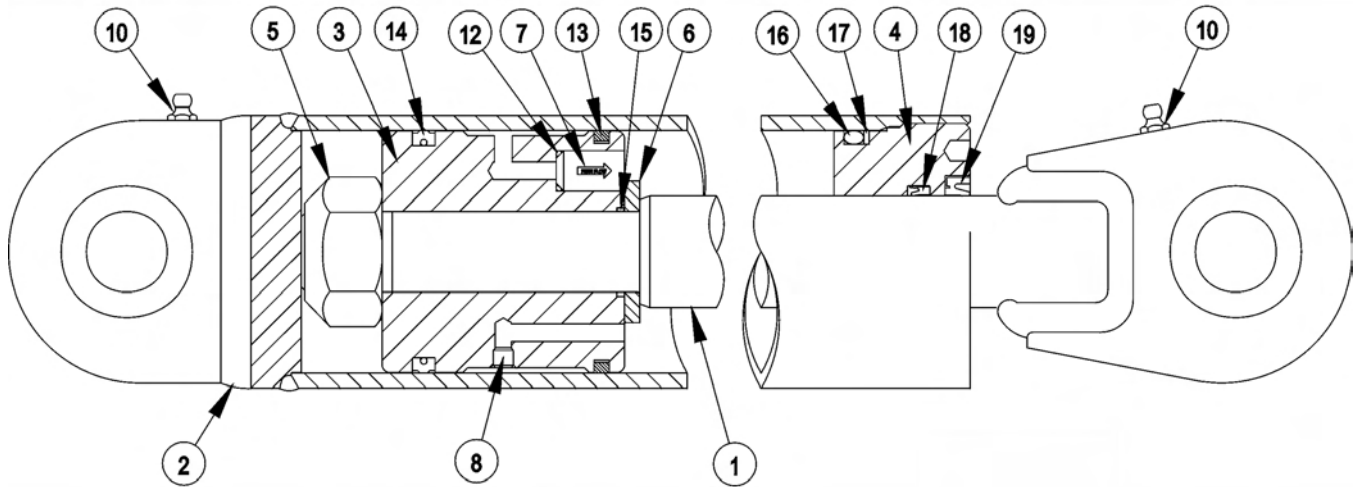
3IN X 17-1/2IN WELDED CYLINDER BREAKDOWN



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

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

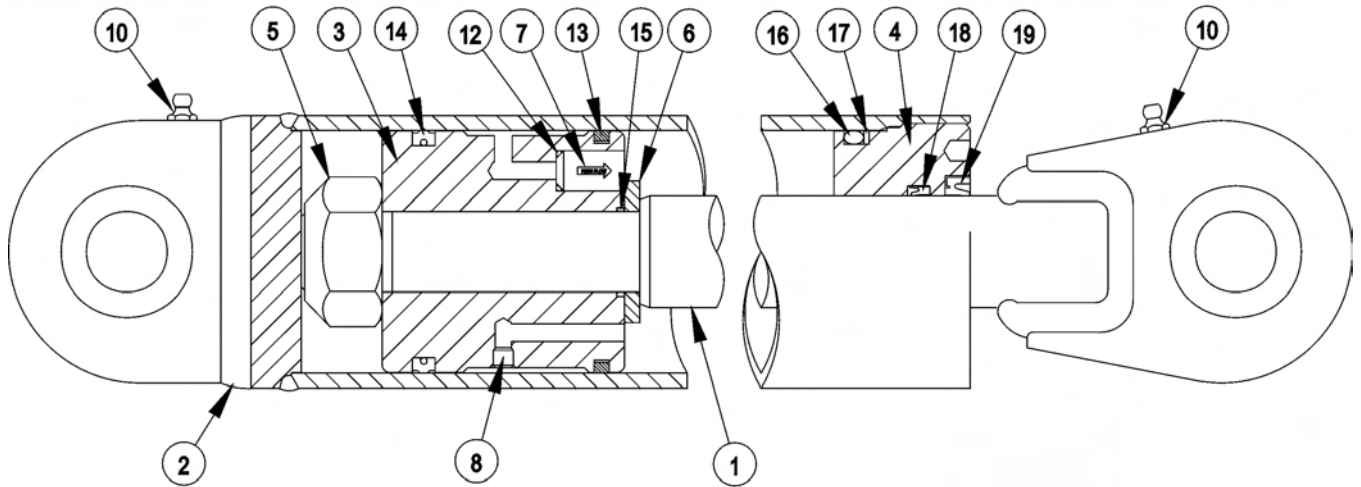
4IN X 15IN WELDED CYLINDER BREAKDOWN



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

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

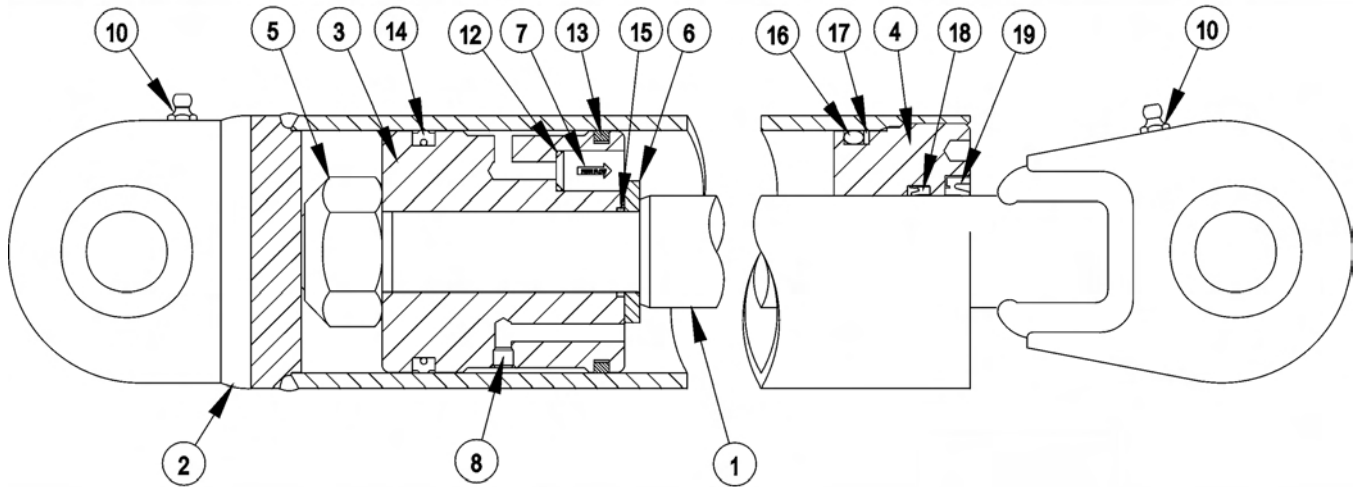
4-1/2IN X 26-1/2IN WELDED CYLINDER BREAKDOWN



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

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

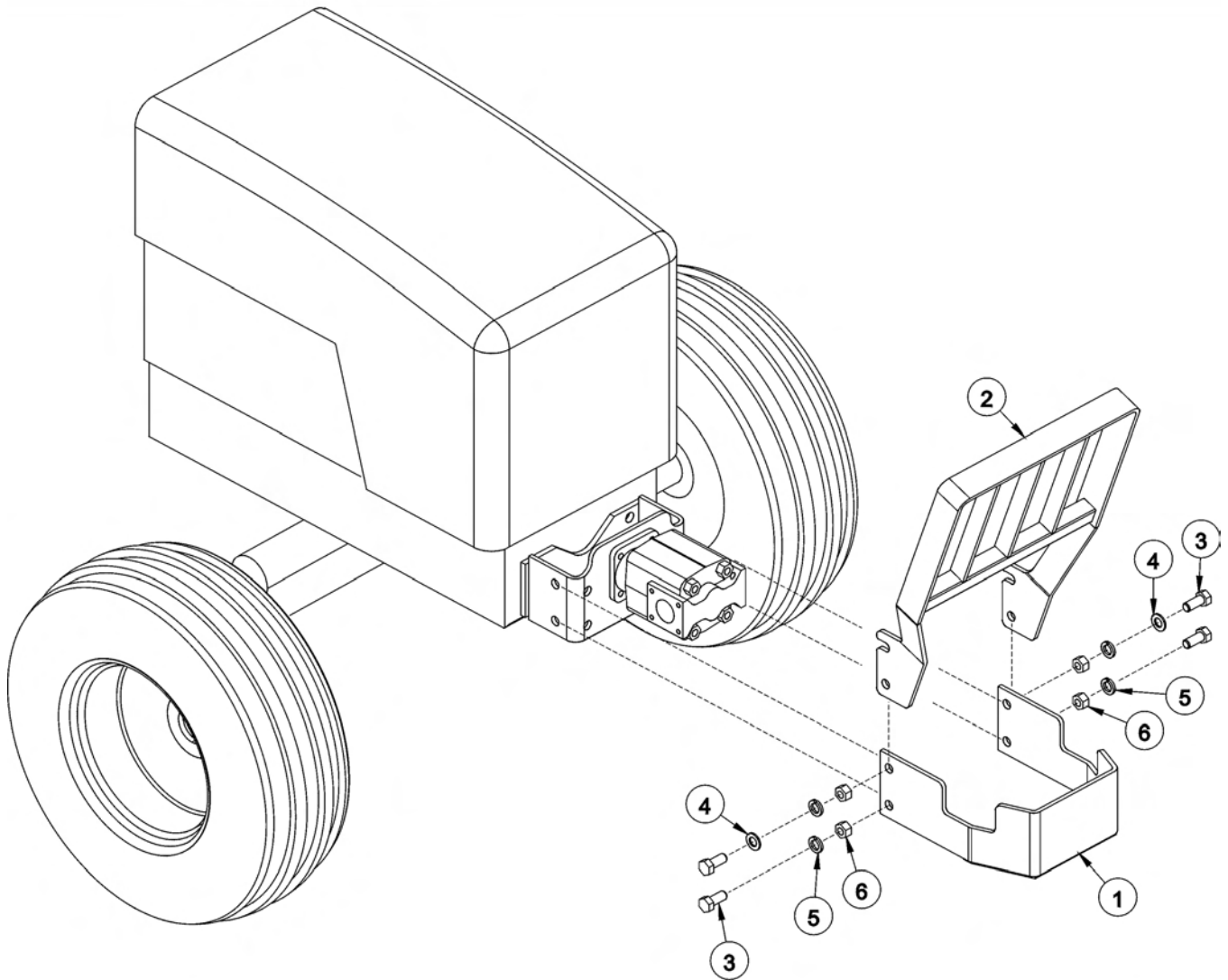
5IN X 25IN WELDED CYLINDER BREAKDOWN



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

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

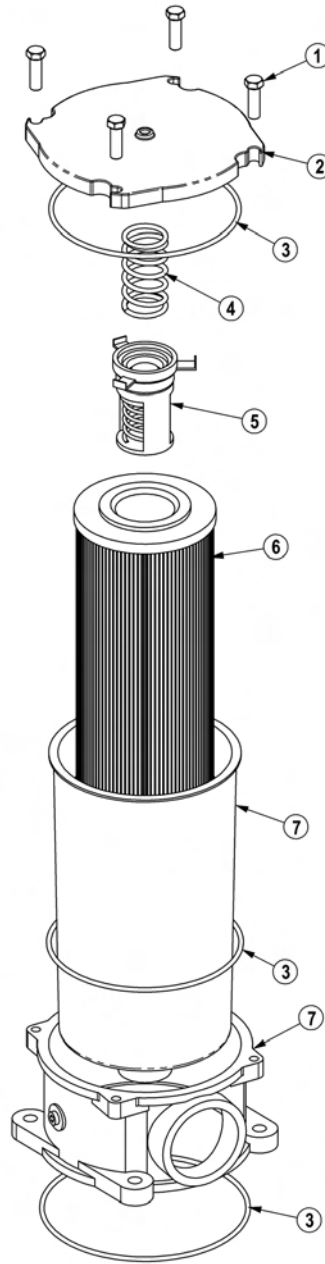
PUMP AND GRILL GUARD OPTIONS



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

COMMON SABER

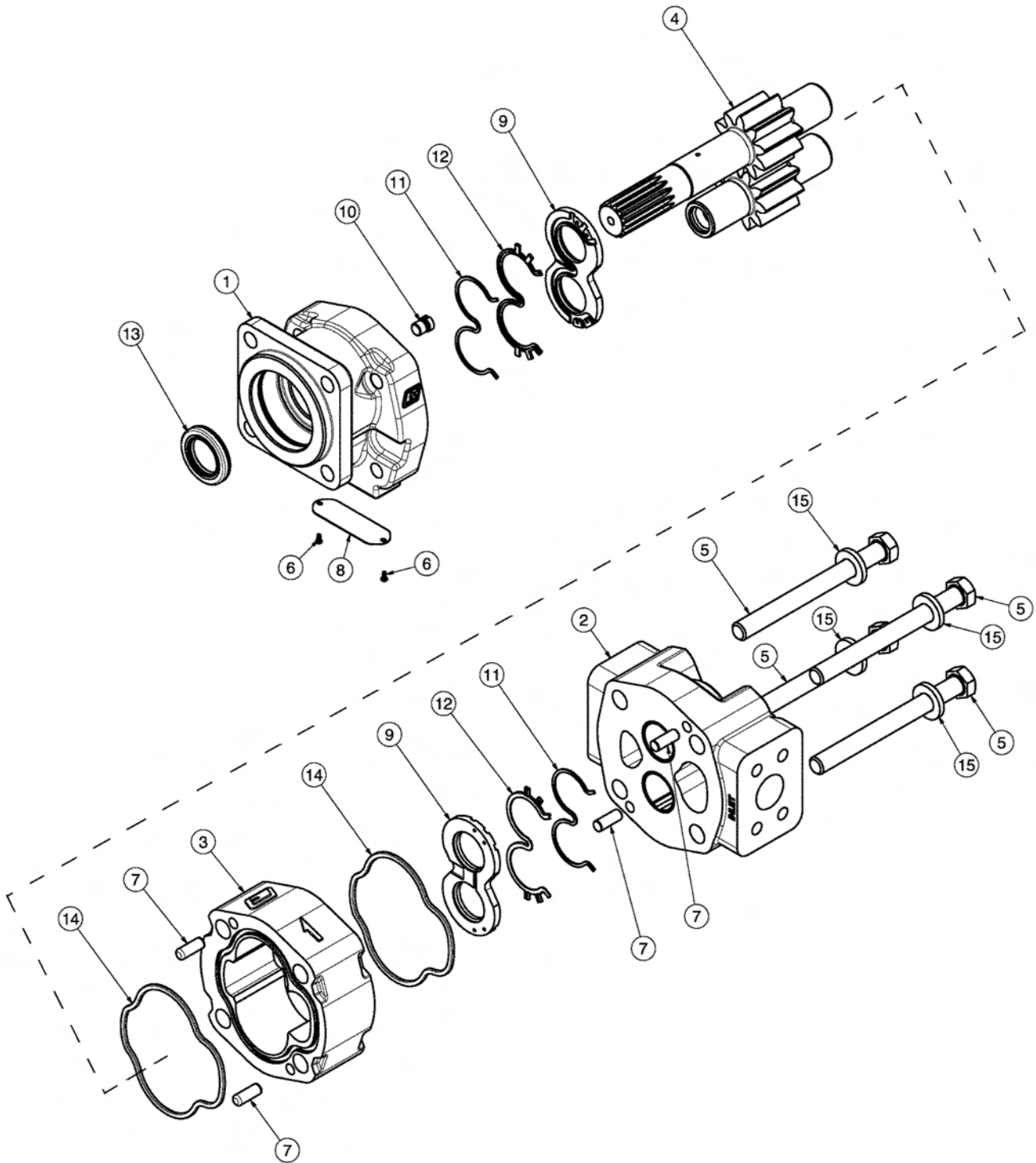
RESERVOIR TANK FILTER ASSEMBLY



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

COMMON SABER

FRONT HYDRAULIC PUMP

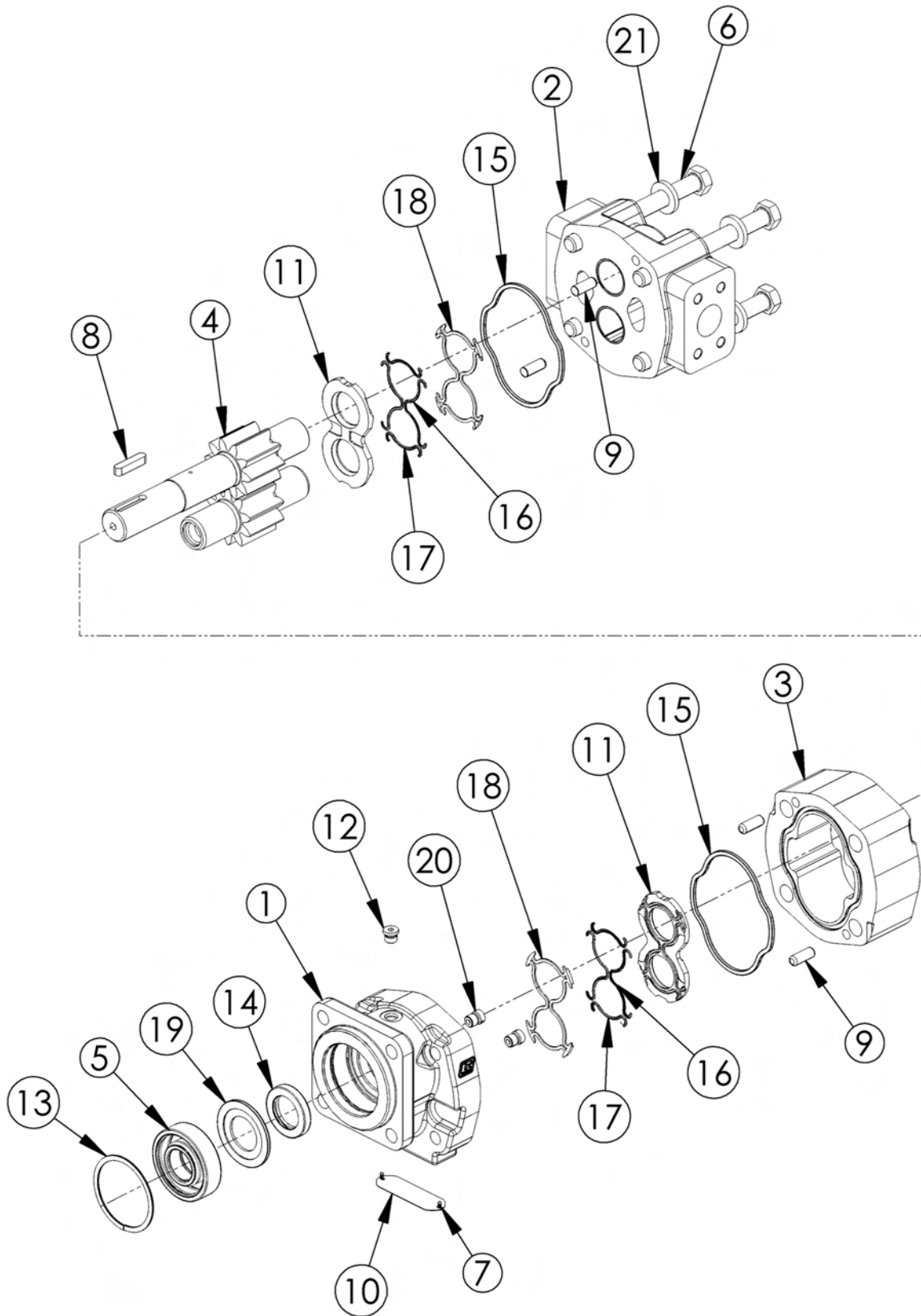


FRONT HYDRAULIC PUMP

Continued...

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

50IN AND 63IN FLAIL MOTOR BREAKDOWN

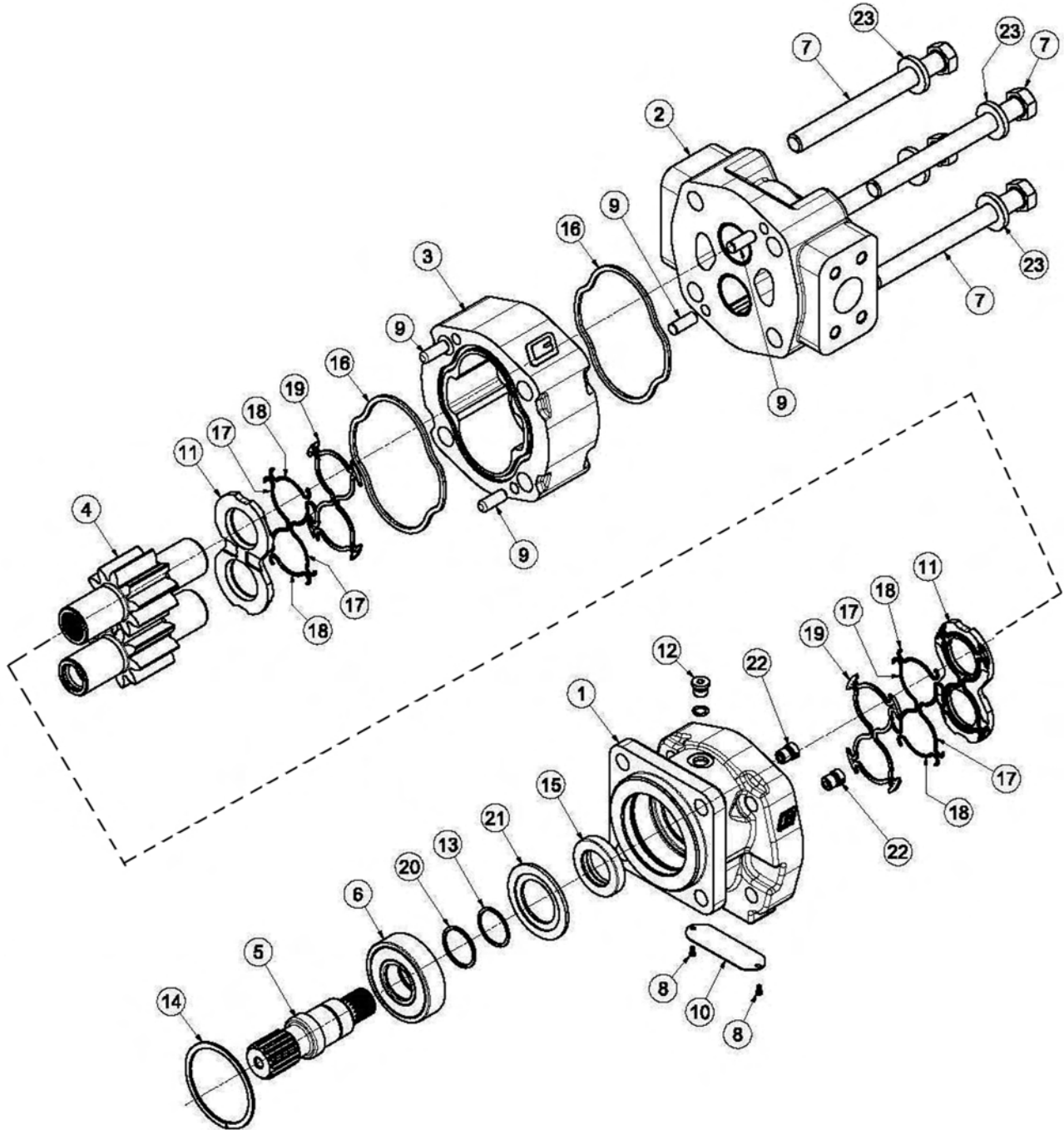


50IN AND 63IN FLAIL MOTOR BREAKDOWN

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|--|
| ----- | 06504013 | - | MOTOR ASSEMBLY 350 |
| 1 | 06504039 | 1 | SHAFT END COVER |
| 2 | 06504040 | 1 | PORT END COVER |
| 3 | 06504041 | 1 | GEAR HOUSING |
| 4 | 06504042 | 1 | MATCHED GEAR SET |
| 5 | TF4402 | 1 | BALL BEARING |
| 6 | 06504043 | 4 | CAP SCREW |
| 7 | 06504044 | 2 | SET SCREW |
| 8 | 06504028 | 1 | KEY |
| 9 | 06504045 | 4 | DOWEL PIN |
| 10 | ----- | 1 | NAMEPLATE |
| 11 | 763759 | 2 | THRUSTPLATE |
| 12 | 02961940 | 1 | HEX PLUG |
| 13 | TF4401 | 1 | SNAP RING |
| 14 | 06504049 | 1 | LIP SEAL |
| 15 | TF4410 | 2 | GASKET SEAL |
| 16 | 06504046 | 4 | SIDE SEAL |
| 17 | 06504047 | 4 | END SEAL |
| 18 | TF4407 | 2 | BACK-UP SEAL |
| 19 | 06504048 | 1 | SEAL RETAINER |
| 20 | 6T5809 | 2 | CHECK ASSEMBLY |
| 21 | 02961917 | 4 | WASHER |
| ----- | 06504023 | - | SEAL KIT (INCLUDES 14, 15, 16, 17, AND 18) |

50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN

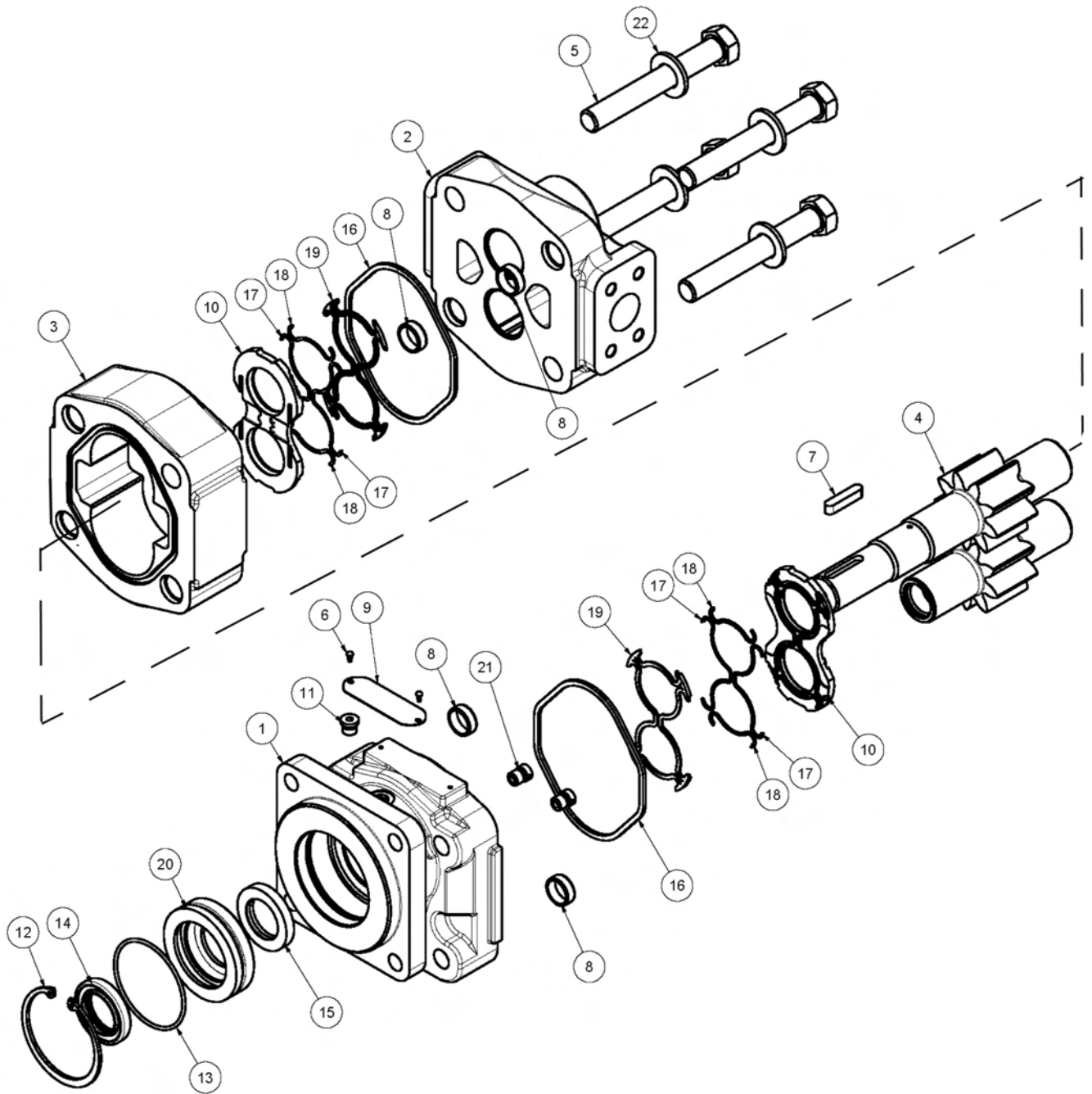


50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN

Continued...

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

50IN AND 60IN ROTARY MOTOR BREAKDOWN

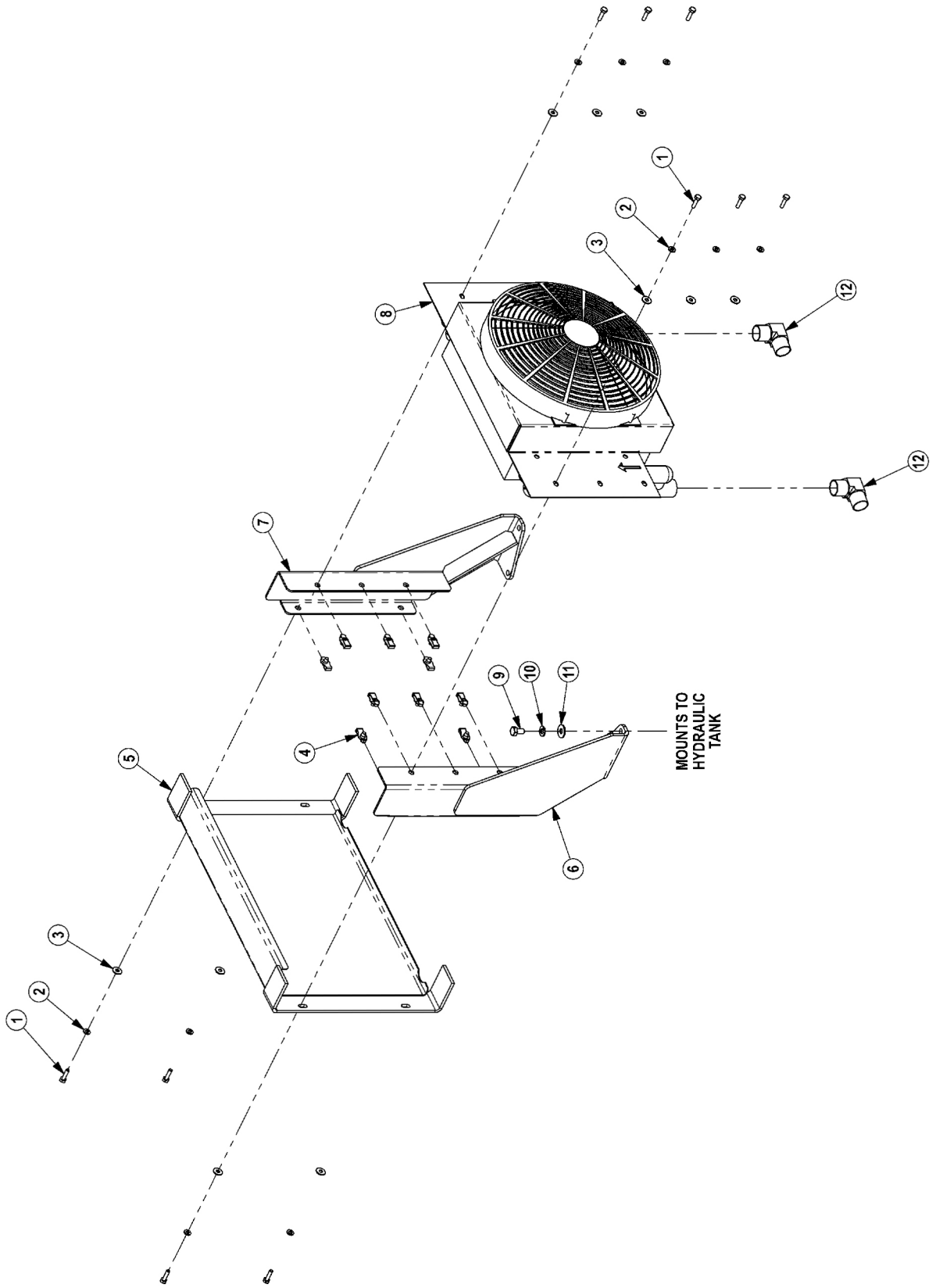


50IN AND 60IN ROTARY MOTOR BREAKDOWN

Continued...

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

COOLER ASSEMBLY

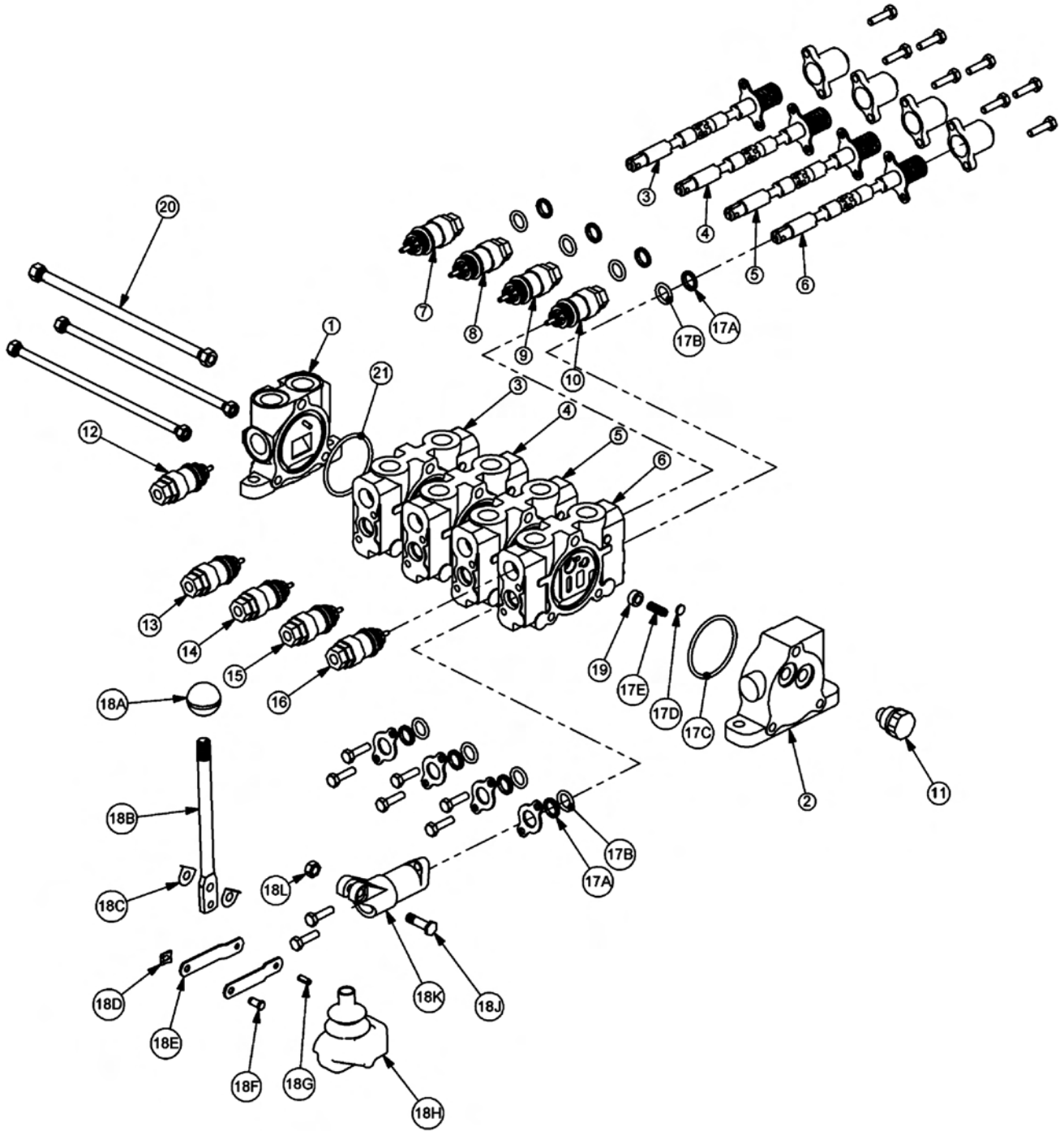


COOLER ASSEMBLY

Continued...

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

CABLE (MANUAL) LIFT VALVE, 4 SPOOL - 06502104



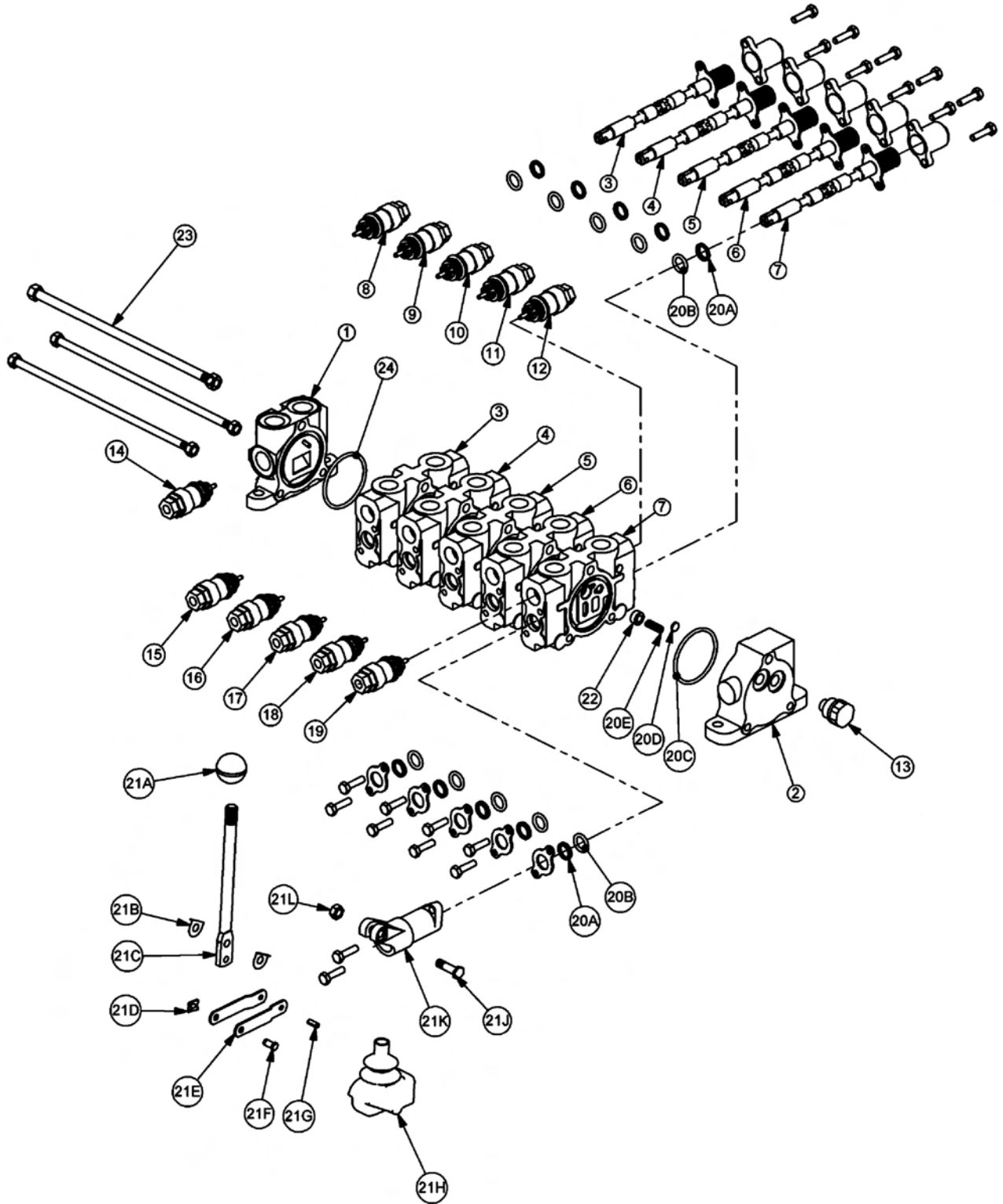
CABLE (MANUAL) LIFT VALVE, 4 SPOOL - 06502104

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 31595 | 1 | INLET END COVER |
| 2 | 31594 | 1 | END COVER, LOAD SENSE |
| 3 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 4 | 31597 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING) |
| 5 | 31600 | 1 | VALVE SECTION (DOUBLE ACTING, DETENT-FLOAT) |
| 6 | 31598 | 1 | VALVE SECTION (DOUBLE ACTING, CENTER SPRING, METERED) |
| 7 | 06503067 | 1 | #10 O-RING PLUG |
| 8 | 06502003 | 1 | RELIEF VALVE, 2500 PSI |
| 9 | 31862 | 1 | RELIEF VALVE, 2175 PSI |
| 10 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 11 | 06503068 | 1 | #6 O-RING PLUG |
| 12 | 6T4209 | 1 | #10 O-RING PLUG |
| 13 | 06502085 | 1 | RELIEF VALVE, 3000 PSI |
| 14 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 15 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 16 | TB1017H | 1 | RELIEF VALVE, 1750 PSI |
| 17 | 31593 | 4 | VALVE SEAL KIT (FOR ONE SECTION) |
| 17A | ----- | 2 | WIPER |
| 17B | ----- | 2 | O-RING SMALL |
| 17C | ----- | 1 | O-RING LARGE |
| 17D | ----- | 1 | SHUTTLE DISC |
| 17E | ----- | 1 | SPRING |
| 18 | TB1017L | 4 | LEVER KIT (FOR ONE SECTION) |
| 18A | ----- | 1 | LEVER KNOB |
| 18B | ----- | 1 | LEVER |
| 18C | ----- | 2 | LEVER WASHER |
| 18D | ----- | 1 | LEVER CLIP |
| 18E | ----- | 2 | LINKAGE |
| 18F | ----- | 1 | LEVER PIN |
| 18G | ----- | 1 | ROLL PIN |
| 18H | ----- | 1 | LEVER BOOT |
| 18J | ----- | 1 | LEVER BOLT |
| 18K | ----- | 1 | LEVER DUST COVER |
| 18L | ----- | 1 | LEVER NUT |
| 19 | 31603 | 4 | COMPENSATOR |
| 20 | TB1017U | 1 | TIE ROD KIT |
| 21 | 24214 | 1 | O-RING, LARGE |

COMMON SABER

CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103



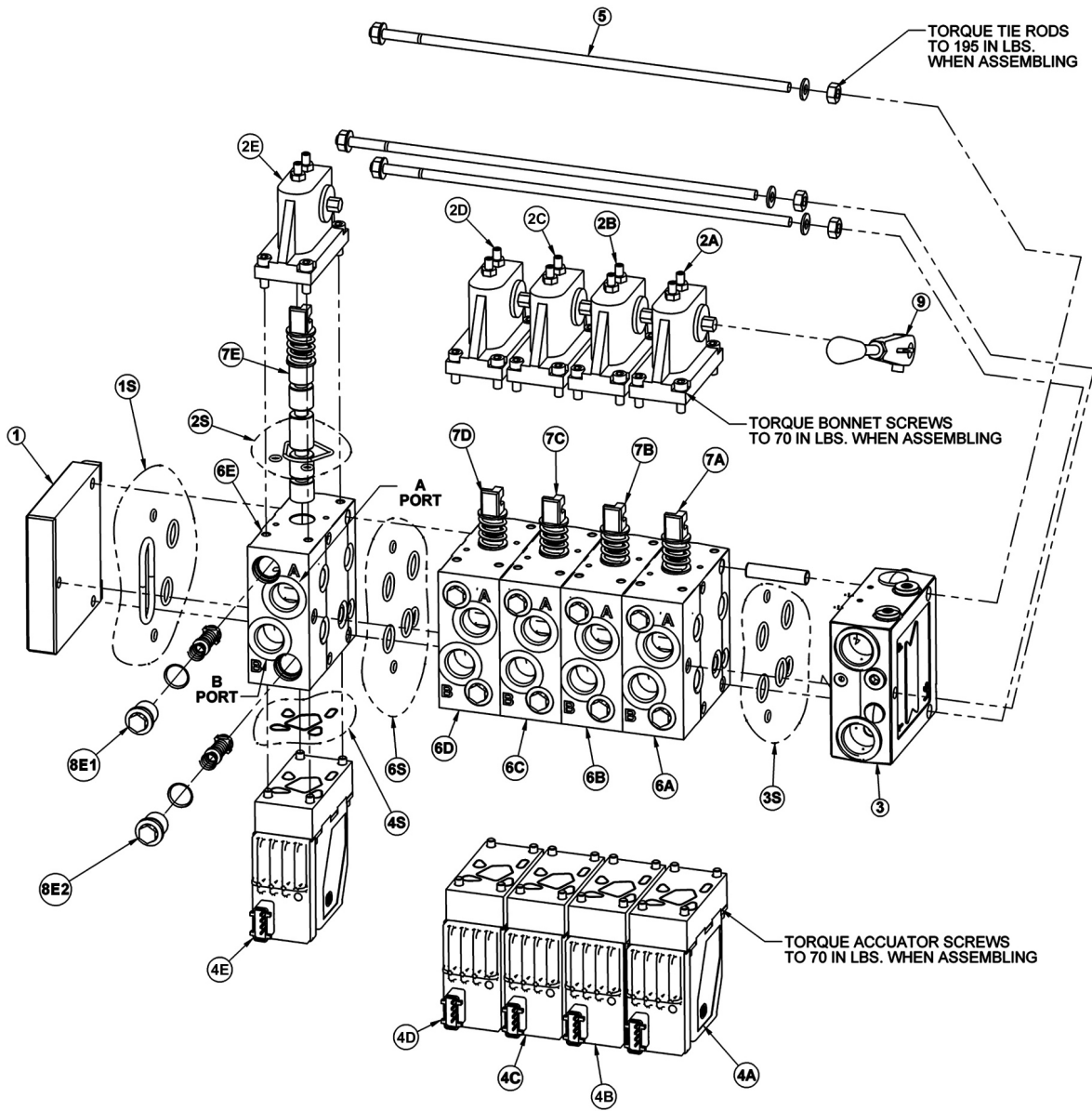
CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103

Continued...

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

COMMON SABER

5 SPOOL ELECTRONIC VALVE - 06502096



| ITEM | PART NO. | QTY. | DESCRIPTION |
|-------|----------|------|-----------------------|
| ----- | 06502368 | - | VLV,5SP,32PVG,SCDGT |
| 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 |

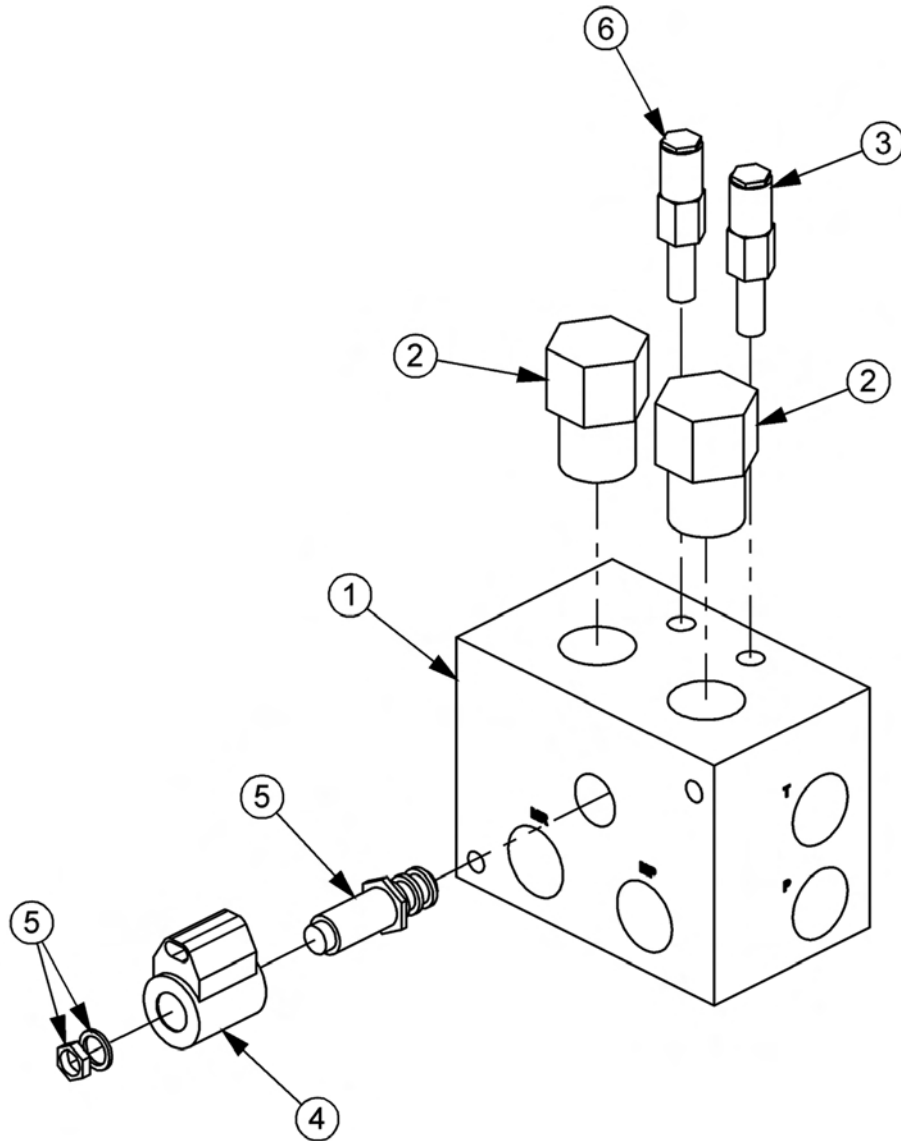
5 SPOOL ELECTRONIC VALVE - 06502096

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 SABER

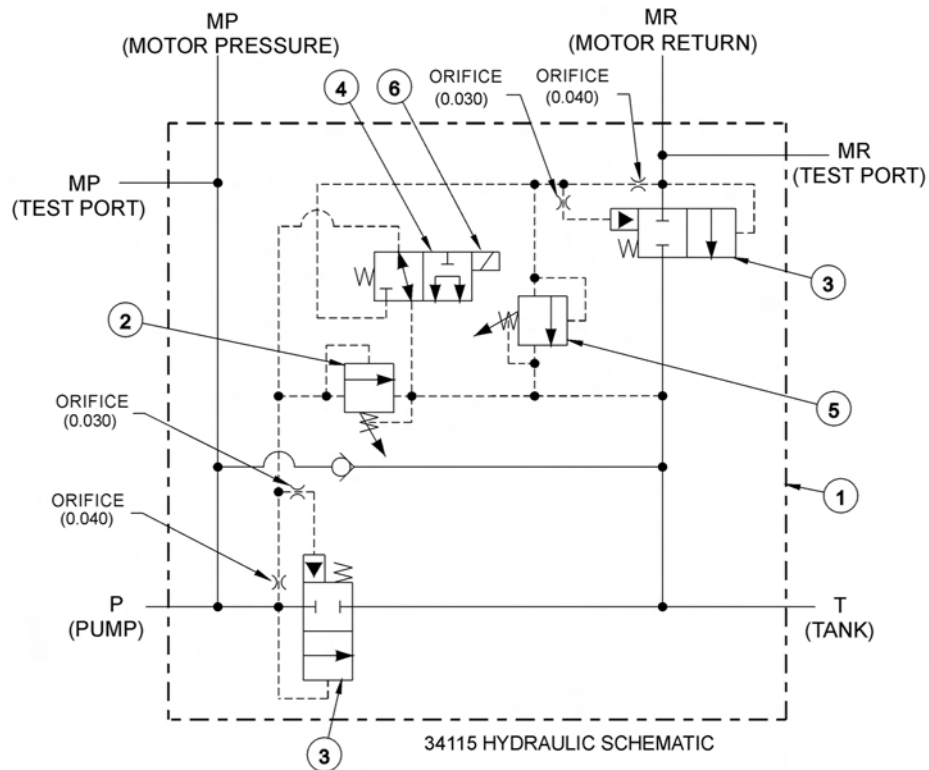
BRAKE VALVE ASSEMBLY



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--|
| --- | 06510084 | 1 | BRAKE VALVE, ASSY |
| 1 | 34092 | 1 | BRAKE VALVE, BLANK |
| 2 | 34094 | 2 | LOGIC ELEMENT |
| 3 | 34090 | 1 | RELIEF VALVE, 3500 PSI |
| 4 | 06510095 | 1 | METRI PAK COIL |
| 5 | 34093 | 1 | CARTRIDGE, 2 POSITION, 3 WAY (WITH NUT & WASHER) |
| 6 | 34091 | 1 | RELIEF VALVE, 2600 PSI |
| --- | 34096 | 2 | RELIEF SEAL KIT |
| ---- | 34097 | 1 | SOLENOID SEAL KIT |
| --- | 34098 | 2 | ELEMENT SEAL KIT |

COMMON SABER

BRAKE VALVE HYDRAULIC SCHEMATIC



BRAKE VALVE TROUBLESHOOTING

FAILURE MODE:

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

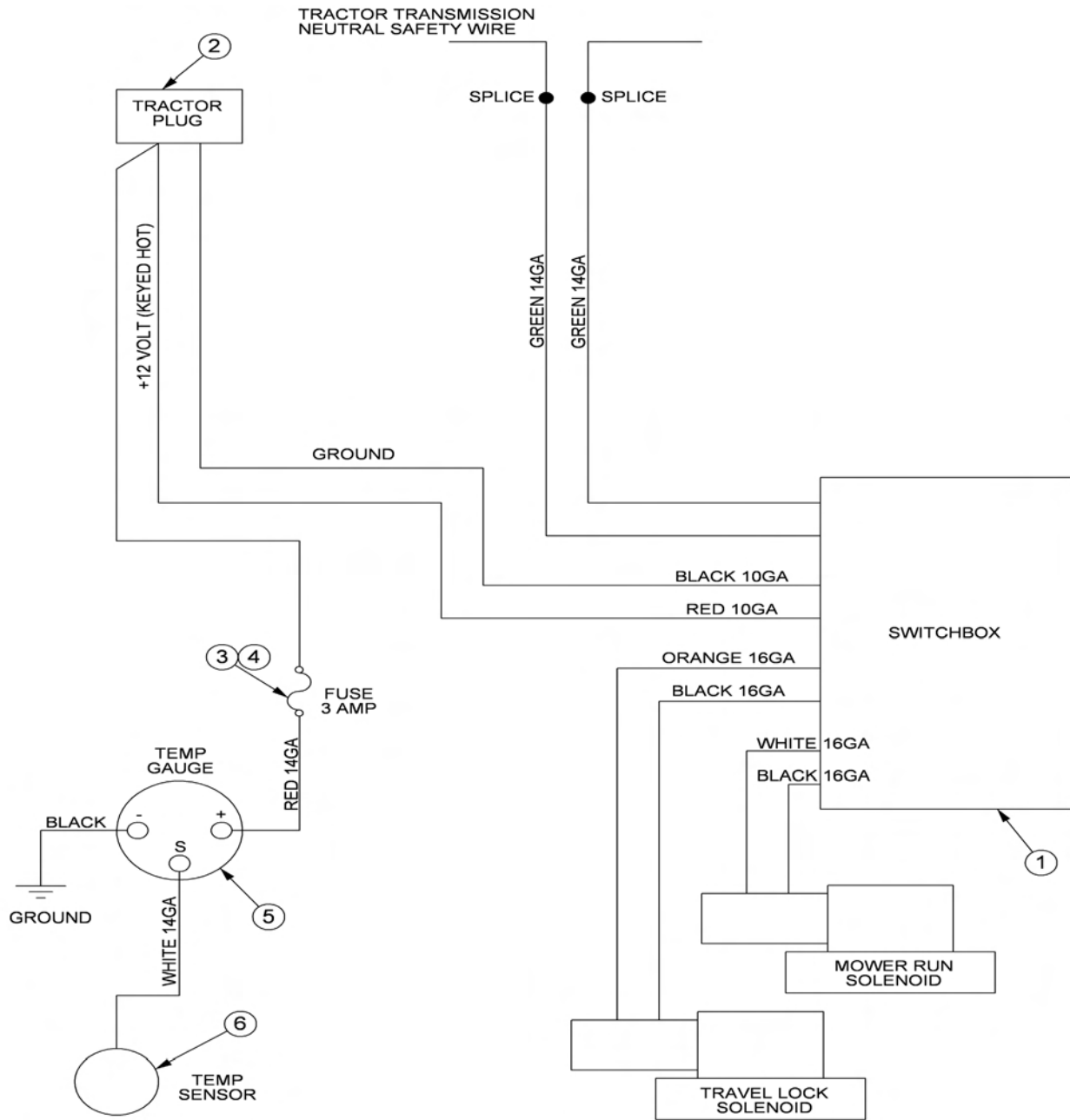
CHECK STEPS

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

CORRECTIVE STEPS:

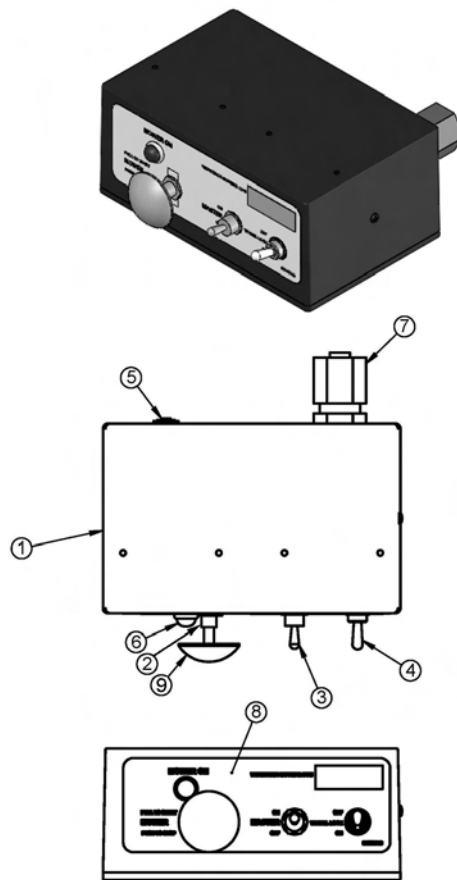
1. Check for voltage at solenoid (item 6), voltage must be between 10.2 volts and 13.8 volts.
2. Remove, inspect solenoid and cartridge (items 4, 6) for wear or contamination.
3. Remove, inspect logic elements near "P" port (item 3) for wear or contamination.
4. Remove, inspect 3000 psi relief valve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

SOLENOID SWITCH BOX AND WIRING



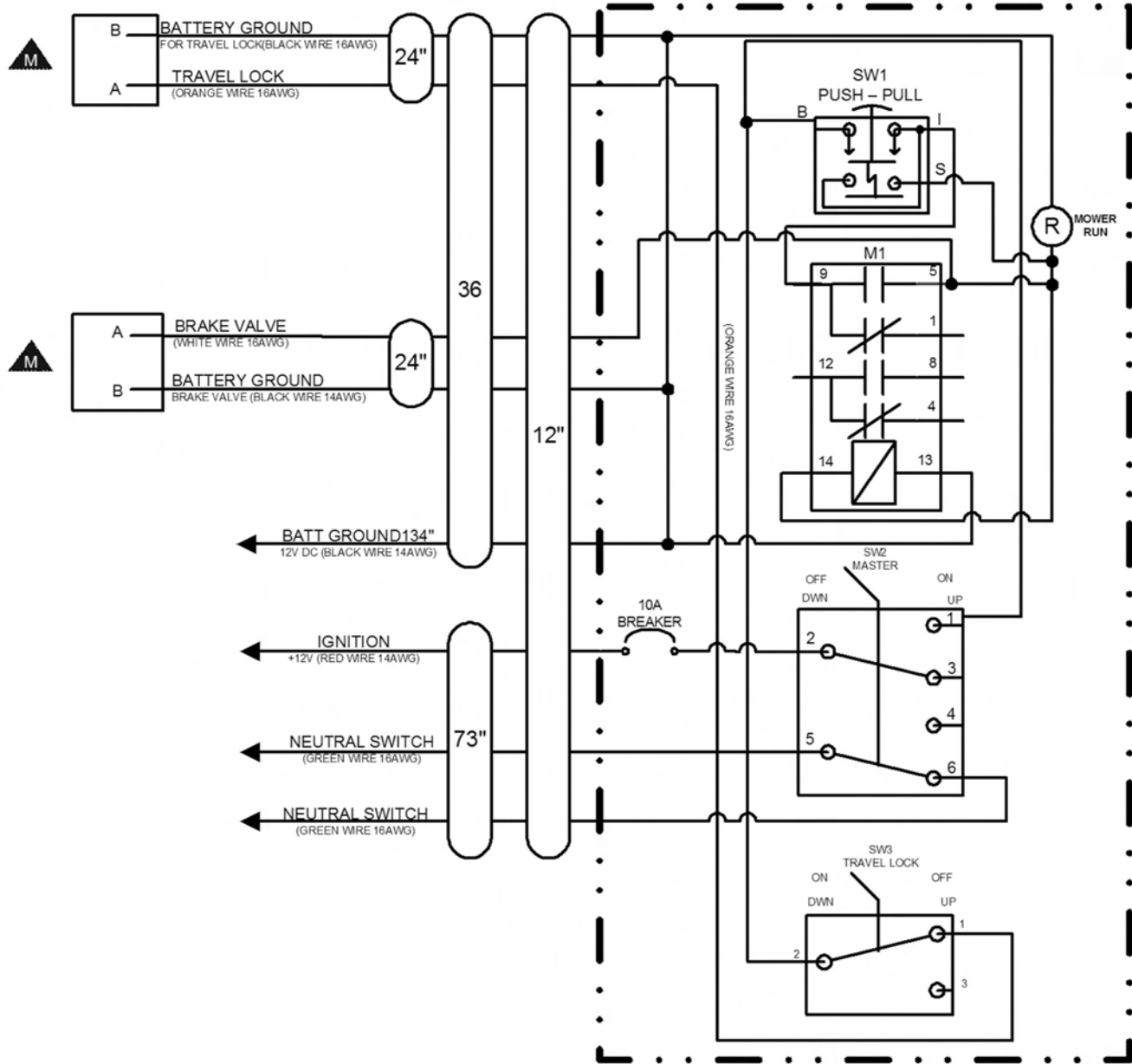
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|------------------------------|
| 1 | ----- | - | SWITCH BOX |
| 2 | RE37651 | 1 | PLUG,AUX PWR |
| 3 | 24204 | - | FUSE HOLDER,IN-LINE (OPTION) |
| 4 | 6T3965 | - | FUSE,3AMP (OPTION) |
| 5 | 6T3934 | - | TEMPERATURE GAUGE (OPTION) |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

MANUAL LIFT VALVE SWITCH BOX

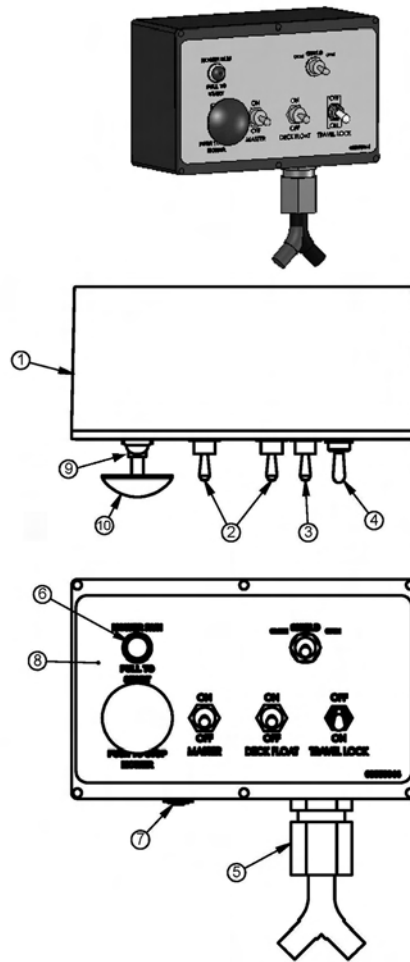


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------------------------|
| 1 | 06514012 | 1 | SWBX,ALUM,BLK,06510100 |
| 2 | 35226 | 1 | SWITCH,MOWER,COLEHERSEE |
| 3 | 33811 | 1 | SWITCH,MASTER/DECK FLOAT |
| 4 | 34532 | 1 | SWITCH,TRVL LCK |
| 5 | 06514014 | 1 | BREAKER,10A,SWBX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

MANUAL LIFT VALVE SCHEMATIC

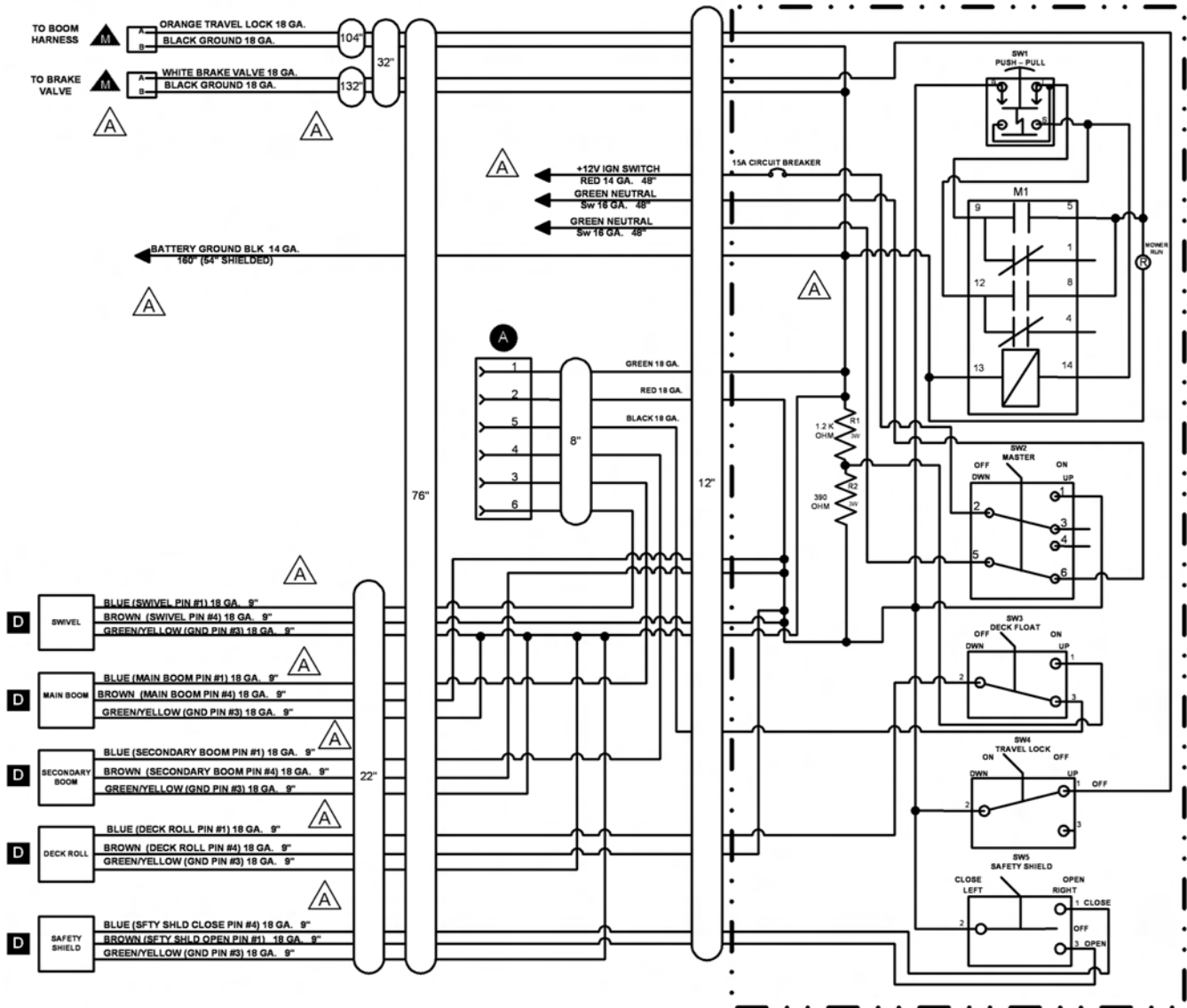


ELECTRONIC LIFT VALVE SWITCH BOX



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

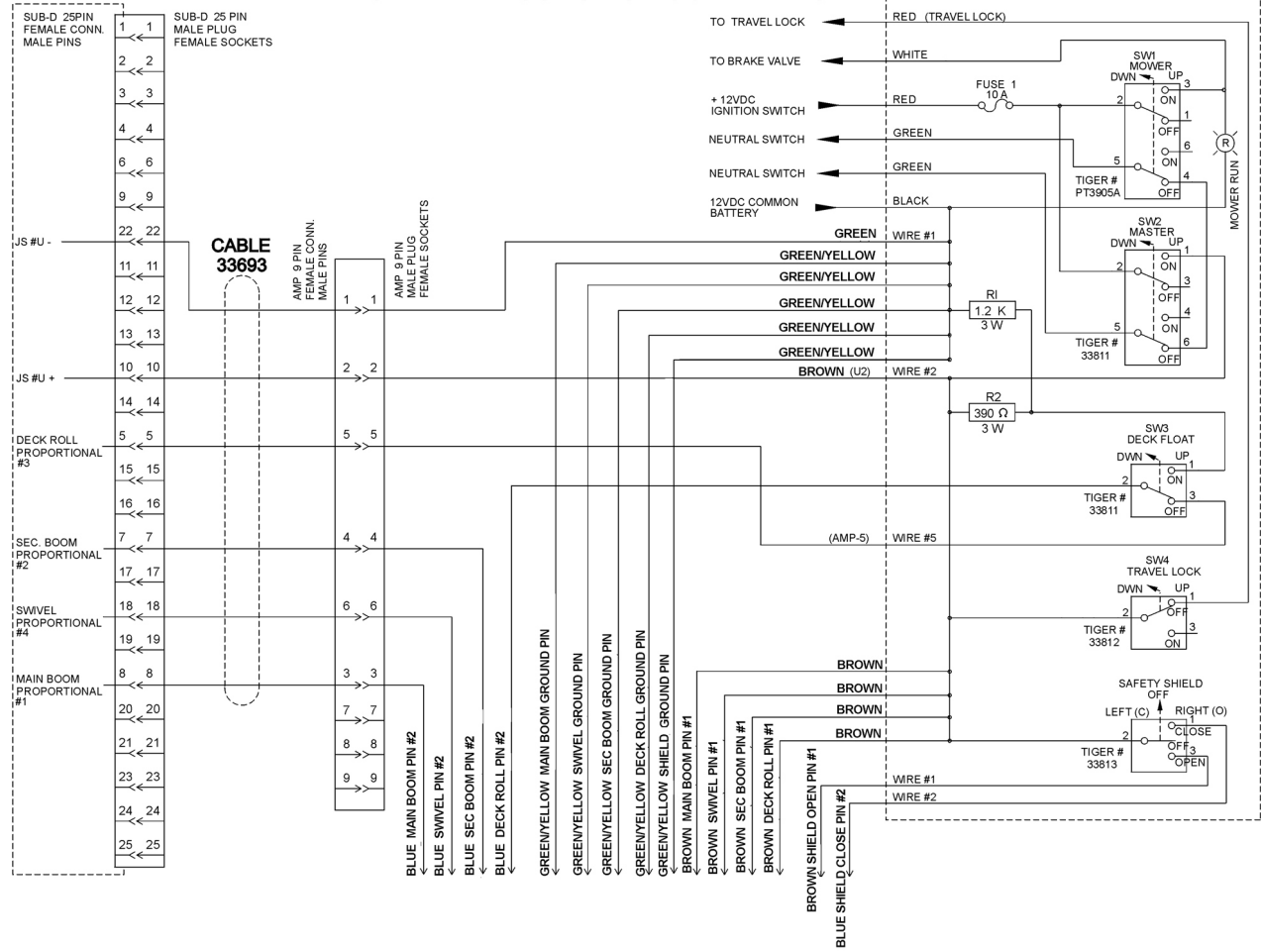
ELECTRONIC LIFT VALVE SCHEMATIC



JOYSTICK SWITCHBOX SCHEMATIC

RIGHT HAND JOYSTICK # 33691

RIGHT HAND JOYSTICK SCHEMATIC



TROUBLESHOOTING

JOYSTICK TROUBLESHOOTING

Boom operation not responding to joystick movement.
Isolate hydraulic vs. electronic symptom.

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

Electronic inspection.

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

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

Pin #1 – Supply Voltage Pin #2 – Signal Voltage Pin #gnd – 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 – Supply Voltage Pin #2 – Signal Voltage Pin #gnd – 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 #2 should be equal to supply voltage when switch is operated in B direction.

Pin #1 – Signal Voltage Pin #2 – Signal Voltage Pin #gnd – 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 switch box).

Shorted to positive, ground, or other.

Incorrect voltage signal from joystick.

Continued on next sheet

TROUBLESHOOTING - CONTINUED

Hydraulic inspection.

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

With the spools in Neutral

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

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

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

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

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

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

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

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

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

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

Operate more than one spool.

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

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

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

Possible hydraulic problems.

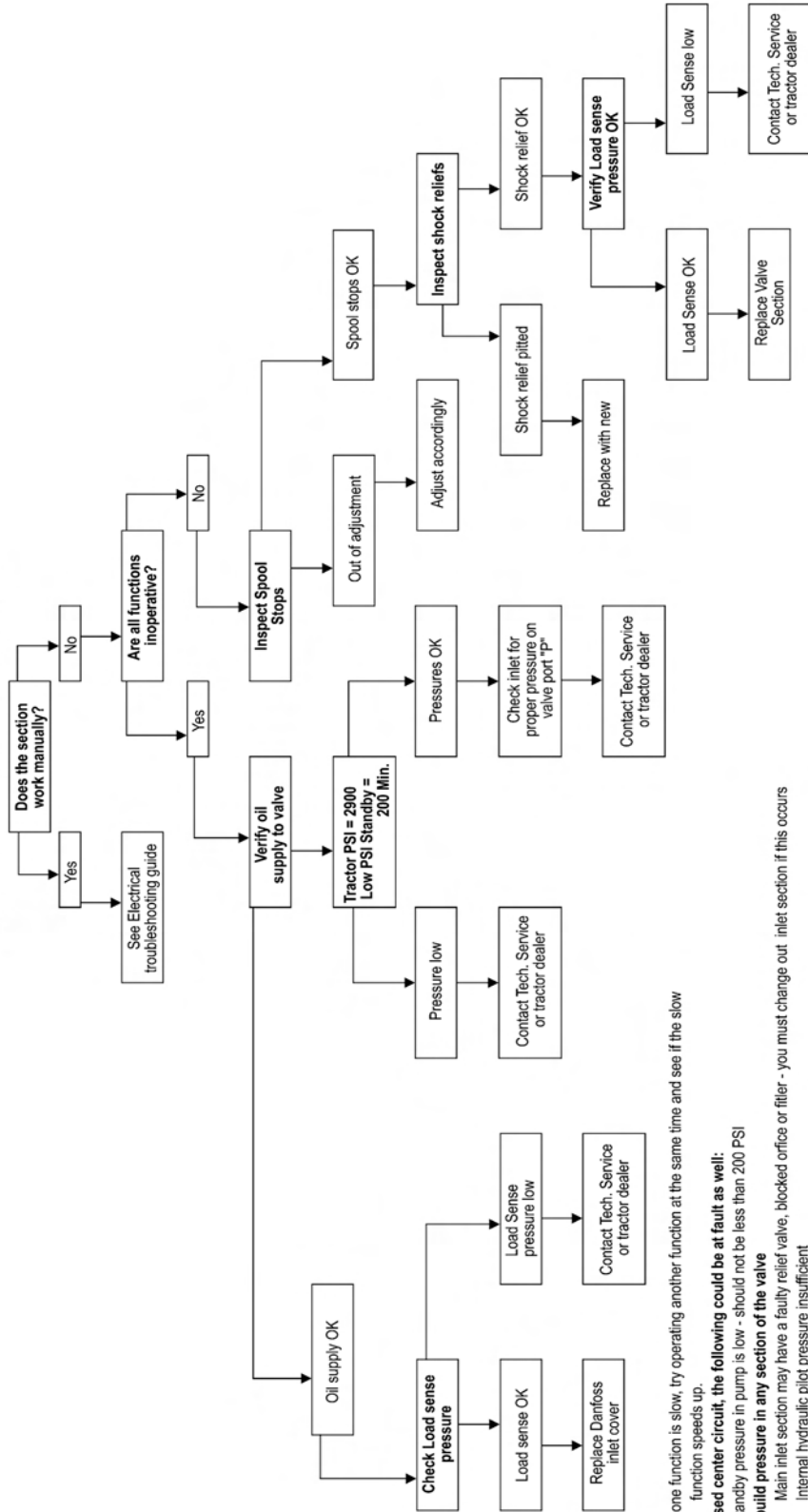
Cylinder leak.

LS signal leaking to tank before reaching pump LS port.

Hydraulic system or pump not supplying flow to valve.

HYDRAULIC TROUBLESHOOTING GUIDE

Hydraulic Troubleshooting guide



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

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

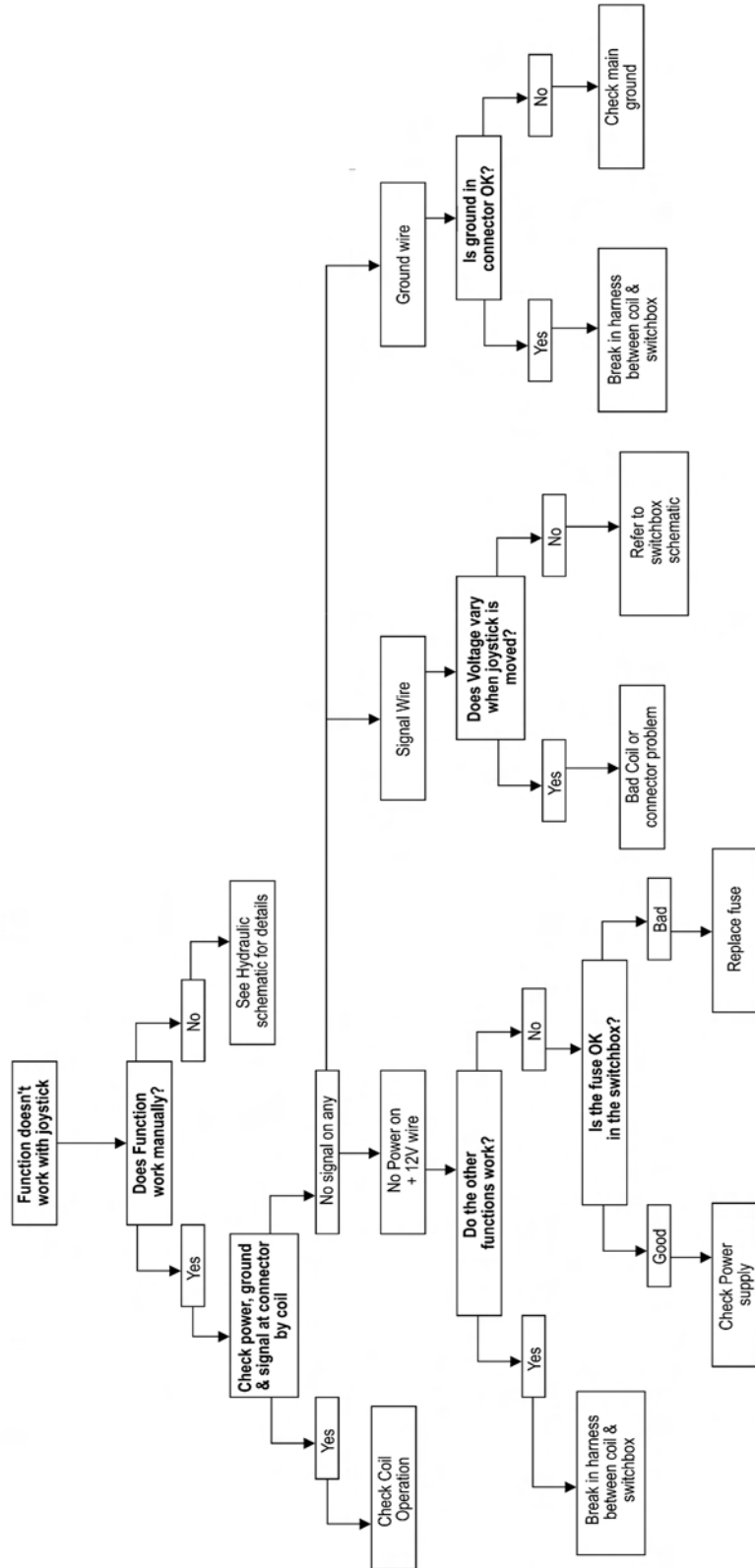
Tractor standby pressure in pump is low - should not be less than 200 PSI

Cannot build pressure in any section of the valve

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

ELECTRICAL TROUBLESHOOTING GUIDE

Joystick Electrical Troubleshooting guide



NOTES 1

NOTES

CLEAN CUTTER HEAD

**CLEAN CUTTER
SECTION**

CLEAN CUTTER ASSEMBLY

CAUTION!



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

CAUTION!



WARNING: The blade alone weighs approximately 145 lbs. Be sure its weight can be supported before attempting to replace. The use of a lift mechanism will ease replacement.

CLEAN CUTTER BLADE MOUNTING

The CLEAN CUTTER blade was designed for installation onto a standard SABER spindle. It is equipped with replaceable carbide tipped teeth. Carbide is very hard, it will chip or break on impact. Handle the saw blade with care. **DO NOT** roll saw on any hard surface or allow it to strike a hard object. Set it down on a piece of belting or wood to avoid damaging carbide tips. Install two temporary(2) threaded studs into (2) opposite holes in the spindle. Align the bolt holes in adapter (part number 34767) with the studs and slide adapter over studs, be sure to index adapter so as the protruding 2 7/8" diameter pilot on the adapter faces outward away from spindle. Then slide the saw blade (part number 33874) over the studs and onto the 2 7/8" diameter pilot of the adapter. **NOTE:** Orient blade for clockwise rotation (blade rotates clockwise when looking down on top of mower deck). Then slide the collar (part number 34768) over the studs with the chamfered edge of collar to the outside, be sure the counterbore bolt holes face outward. Apply Loctite "271" to the threads of the 3/4-16 x 3 1/4" UNF Grade 8 bolts (part number 34769), and install lock washers (part number 21993) onto the bolts, then install bolts through collar, blade, and adapter into the spindle. Remove the threaded studs, and replace with bolts and lockwashers. Torque bolts in an alternating pattern to 298 Ft-lbs.

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. (8G-14)



CLEAN CUTTER OPERATION

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. (S0-4)



OPERATING INSTRUCTIONS

Inspect clean cutter saw before each use. Re-torque spindle bolts to 331 Ft-lbs. Inspect blade around collar and near the teeth for bends and cracks. Check for loose, broken, chipped, dull or missing teeth. Tighten all loose teeth by hammering and or replacing rivets. If teeth are broken, chipped, or missing or if blade is cracked or becomes bent remove blade and have it repaired at an approved service center. Call Tiger Service Department for replacement parts and service.

The SABER Clean Cutter is intended for clean cutting trees and brush up to eight (8) inches in diameter maximum. Turn mower "ON" while tractor is running at idle RPM. Then increase tractor speed to 1,950 RPM maximum. Note, this tractor engine speed produces a mower speed of 1,500 RPM. **DO NOT operate the clean cutter mower at speeds in excess of 1,500 RPM.** If saw blade wobbles in excess of two (2) inches while tractor is idling, **STOP**, remove the blade and have it repaired at an approved service center. Call Tiger Service Department for replacement parts and service.

Allow saw to accelerate to maximum speed before moving into foliage. Advance mower head smoothly in foliage. Allow saw to cut through material, do not force or over feed. If saw slows excessively, move the head out of the foliage, and allow the saw to achieve maximum speed. **DO NOT** move up or down or roll mower head while cutting through heavy foliage. **DO NOT** use clean cutter mower on the ground. The saw blade is equipped with carbide tips, which are very hard. Striking rocks, steel, concrete, or other similar debris will break these tips.

Badly worn teeth increase stress to the saw blade and require more horsepower to cut than sharp teeth. Set-up a scheduled maintenance program for the saw before the teeth are dull. The saw will last longer, produce a better cut, cut large diameter foliage without binding, and will cost less to operate.

Check adapter and collar every time saw is changed, maintain the .004 inch taper on face (surface against the saw blade) of these two (2) items. Always clean adapter and collar before mounting the blade. If adapter or collars are worn or damaged, they must be replaced.

Familiarize yourself with the machine's operation and correct operating safety precautions.

CLEAN CUTTER OPERATION - CONTINUED

WARNING!



Excessive wobble will generate heat in the blade, rapidly accelerating the loss of tension. The overheated blade will then rub against the foliage as it is cutting, again increasing the heat in the blade and intensifying the wobble. The blade may then weaken, crack and eventually fail. **NEVER RUN A BLADE THAT IS CRACKED OR BENT.**

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.

(SBM-7)



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. (SBM-9)



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. (SBM-9)



WARNING!



CAUTION: Never leave the key in the ignition switch. Also personal injury or death can occur from sudden dropping or inadvertent operation of the controls. Make certain the area is clear before lowering or raising the deck.

CLEAN CUTTER MAINTENANCE

MAINTENANCE INSTRUCTIONS

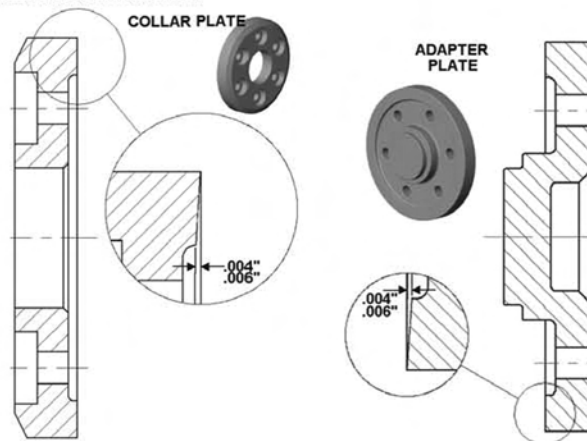
Inspect clean cutter saw before each use. Re-torque spindle bolts in an alternating pattern to 331 ft-lbs. Check for loose, broken, chipped, dull or missing teeth. Tighten all loose tooth assemblies by hammer and or replacing rivets. If teeth tips are broken, chipped, or missing, replace tip or replace entire tooth assembly. **NEVER RUN SAW BLADE WITH MISSING TOOTH ASSEMBLY.** If saw blade is cracked, becomes bent or wobbles in excess of two (2) inches while the tractor is idling, **STOP**, remove blade and have it repaired at an approved service center. Call Tiger Service Department for replacement parts and service.

These saw blades are pre-tensioned after the tooth assemblies are riveted in place. This pre-tensioning ensures that the blade runs true and remains true under normal cutting load. Removal of more than one or two complete tooth assemblies at a time may effect the tensioning of the blade. Before cutting always check for wobble while machine is running at idle. If blade wobbles in excess of two (2) inches, **STOP**, remove blade and have it repaired at an approved service center. The teeth tips can be replaced without removing the tooth bodies from the saw blade (see TIP REPLACEMENT PROCEDURE). This method is preferred over the entire removal of tooth assemblies.

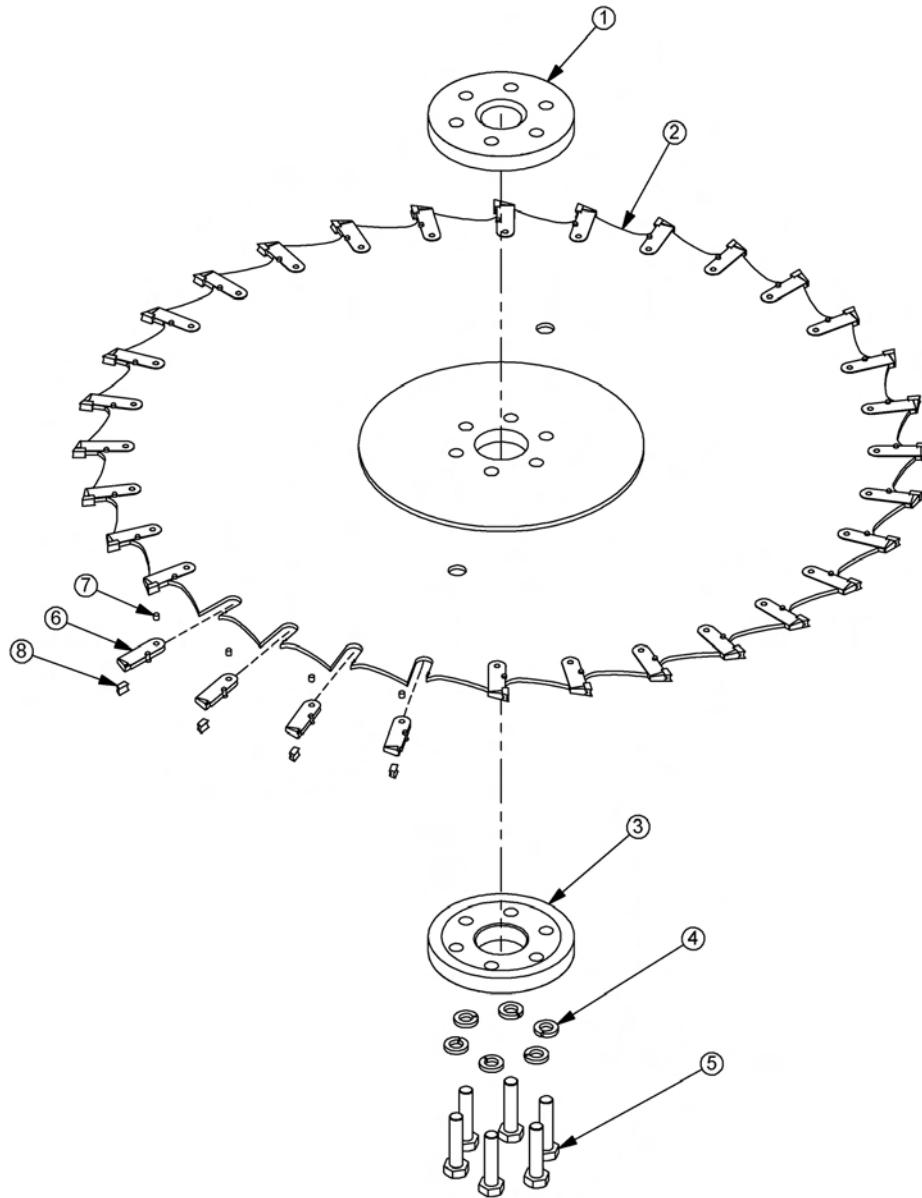
Check adapter and collar every time saw is changed, maintain the .004 to .006 inch taper (see figure below) on inside face (surface against saw blade) of these two (2) items. Always clean inside face of adapter and collar before mounting the blade. If adapter or collars are worn, chipped, or damaged, they must be replaced.

Any saw blade (regardless of condition) that has seen regular use should be serviced at least once a year at an approved service center.

Spare saw blades should be stored in a dry environment and transported only on the wooden crates that are supplied with the saw blade.



CLEAN CUTTER BLADE AND TEETH PARTS

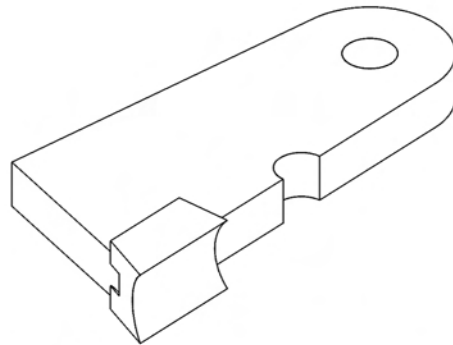


| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|--------------------------------|
| 1 | 06420025 | 1 | ADAPTER,SAW,SABER,RNFRCD |
| 2 | 06520224 | 1 | BLADE, 48" SAW WITH TEETH |
| 3 | 06420038 | 1 | COLLAR,SAW,SABER |
| 4 | 33380 | 6 | FLATWASHER,3/4",GR8,SAE |
| 5 | 06530210 | 6 | CAPSCREW,5/8" X 3-3/4",NF,GR 8 |
| 6 | 06520225 | 30 | TOOTH WITH RIVET, SAW BLADE |
| 7 | 34703 | 30 | TOOTH RIVET, SAW BLADE |
| --- | 34704 | - | RIVET REMOVER TOOL (NOT SHOWN) |
| 8 | 34702 | 30 | TOOTH TIP, SAW, CARBIDE |
| --- | 34705 | - | SHARPENING TOOL (NOT SHOWN) |

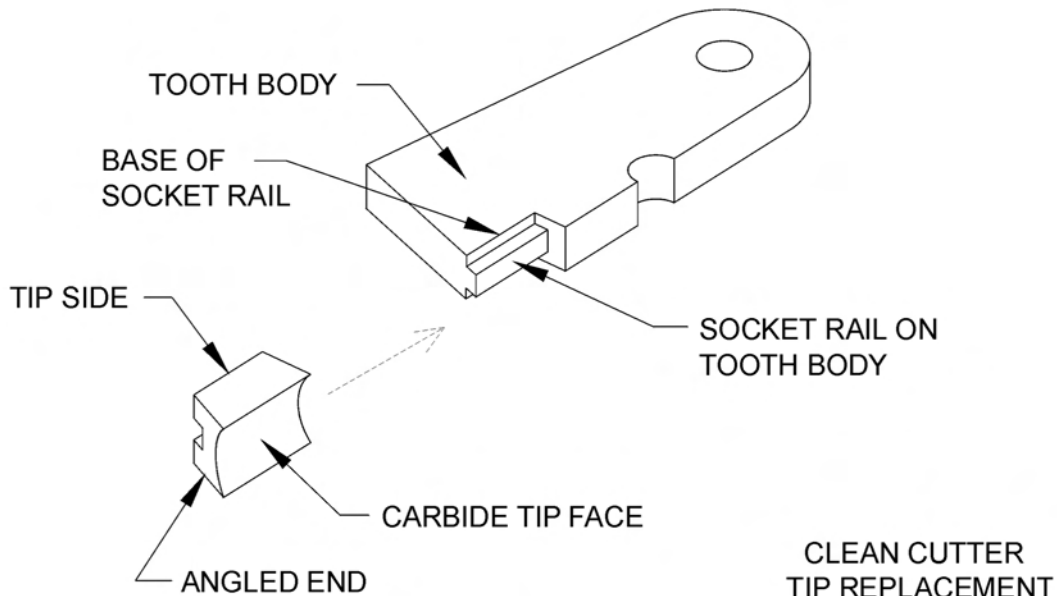
COMMON SABER

CARBIDE TIP REPLACEMENT

1. Heat face of tip to dull orange, remove tip, then brush tooth body clean of all debris (carbon).
2. Apply acetone to socket rail on tooth body and allow it to evaporate. Dab on soldering paste (black flux) to socket rail of tooth body and slide pre-tinned tip into place.
3. Then heat tip sides and base of socket rail to ensure silver solder flows completely around base of tip. Grasp tip with tweezers and gently twist tip back and forth to ensure complete bonding of silver solder.
4. Discontinue heat, and allow to cool. Then check braze by gently tapping tip with rubber mallet.



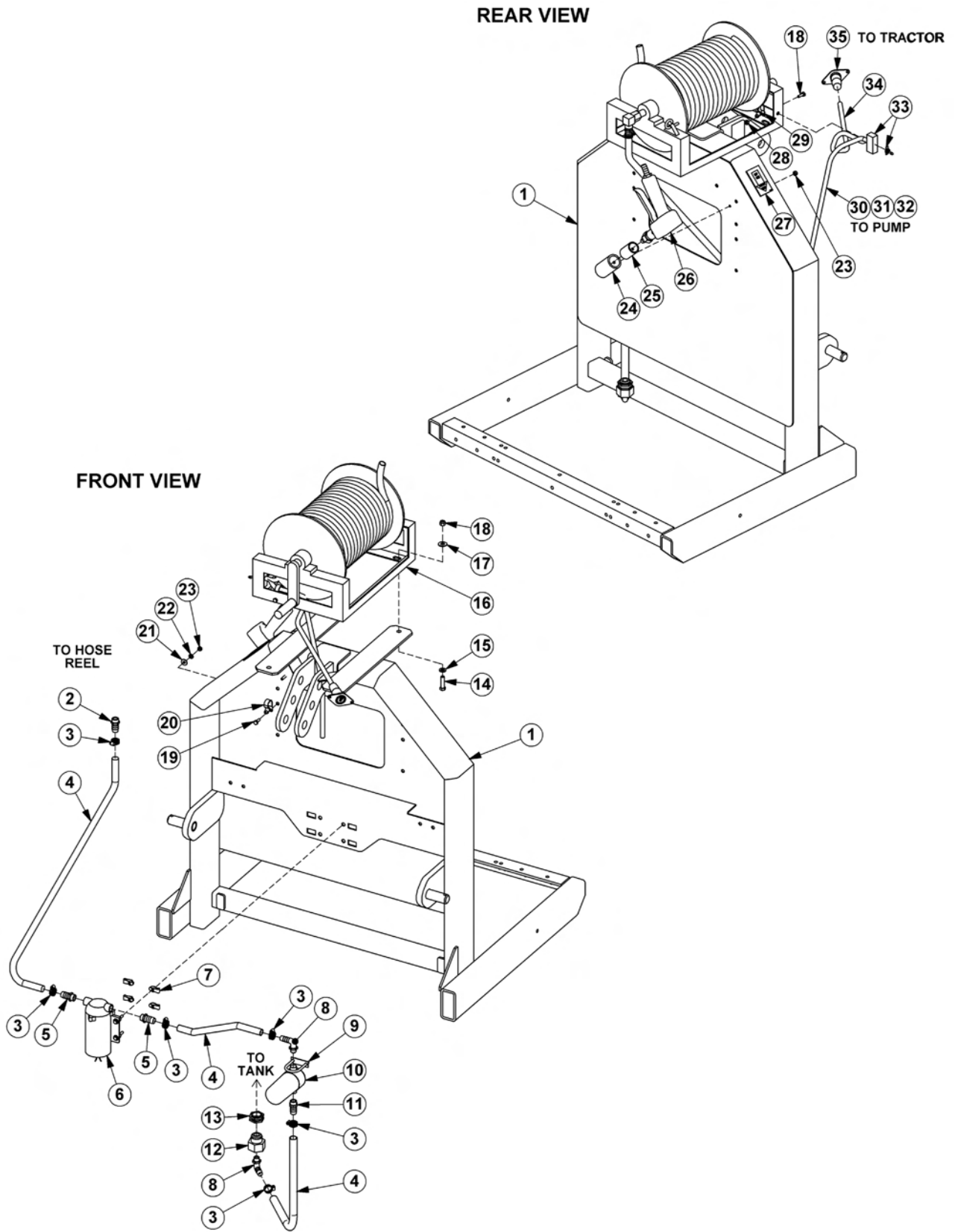
VIEW OF ASSEMBLED TOOTH



NOTES

**FIRE SUPPRESSION SYSTEM
SECTION**

FIRE SUPPRESSION 3-POINT MOUNT



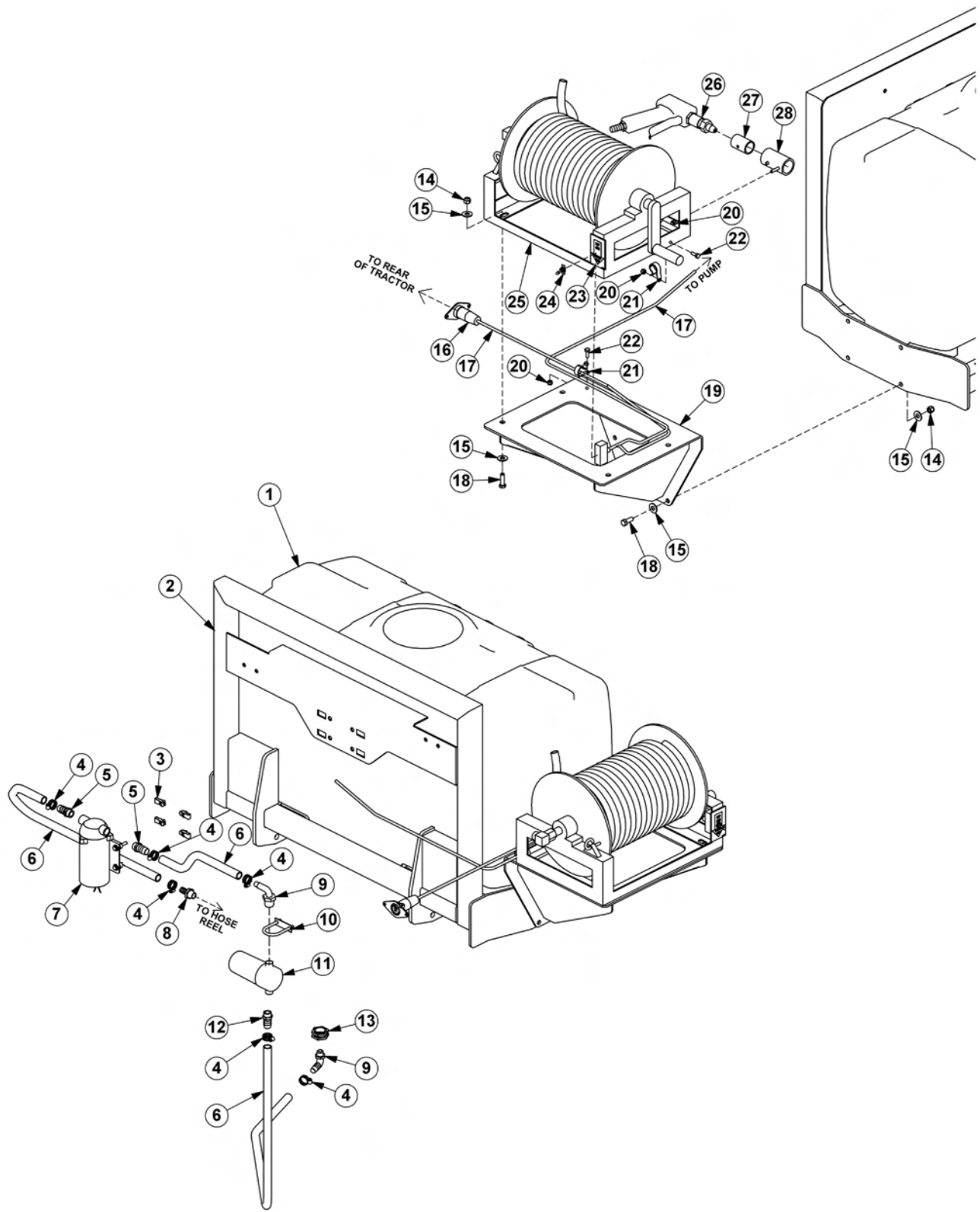
FIRE SUPPRESSION 3-POINT MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|---|
| 1 | 06370137 | 1 | MOUNT,3PNT,FIRE SYS |
| 2 | 06503108 | 1 | FITTING,1/2"BARB X 1/2"MP |
| 3 | 35091 | 6 | CLAMP,HOSE,#6 |
| 4 | 06520469 | 5 | HOSE,1/2",BULK (FEET) |
| 5 | 06503168 | 2 | SWIVEL,1/2"STR,POLY |
| 6 | 06520359 | 1 | PUMP,LARGE |
| 7 | 35176 | 4 | U-NUT,1/4" |
| 8 | 06520367 | 2 | ELBOW,1/2"BARB X 1/2"MP,POLY |
| 9 | 27329 | 1 | U-BOLT,1/4" |
| 10 | 06520361 | 1 | FILTER |
| --- | 06520351 | 1 | ELEMENT,FILTER |
| 11 | 06520349 | 1 | FITTING,BARB,HOSE |
| 12 | 06503169 | 1 | REDUCER,BUSHING (100 & 150 GALLON TANKS ONLY) |
| 13 | 06520346 | 1 | FITTING,BULKHEAD (50 GALLON TANKS ONLY) |
| 14 | 21632 | 4 | CAPSCREW,3/8" X 1-1/2",NC |
| 15 | 21988 | 4 | LOCKWASHER,3/8" |
| 16 | 06520360 | 1 | HOSE REEL |
| 17 | 22016 | 4 | FLATWASHER,3/8" |
| 18 | 21627 | 4 | NYLOCK NUT,3/8",NC |
| 19 | 21529 | 2 | CAPSCREW,1/4" X 3/4",NC |
| 20 | 06510258 | 1 | CLAMP,3/4" |
| 21 | 22014 | 1 | FLATWASHER,1/4" |
| 22 | 21986 | 1 | LOCKWASHER,1/4" |
| 23 | 21525 | 2 | HEX NUT,1/4",NC |
| 24 | 06370121 | 1 | HOLSTER |
| 25 | 06430090 | 1 | SLEEVE |
| 26 | 06520366 | 1 | GUN,FIRE SYS |
| 27 | 6T3222 | 1 | DECAL |
| 28 | 21527 | 1 | NYLOCK NUT,1/4",NC |
| 29 | 06510257 | 1 | CLAMP,3/8" |
| 30 | 28055 | 5 | WIRE,BLACK,14GA (FEET) |
| 31 | 24200 | 5 | WIRE,RED,14GA (FEET) |
| 32 | 22802 | 5 | WIRE WRAP (FEET) |
| 33 | PT3905A | 1 | SWITCH |
| 34 | 06510256 | 4 | CABLE,14GA,4WIRE (FEET) |
| 35 | 06510255 | 1 | PLUG,7PIN,TRCTR |

COMMON SABER

FIRE SUPPRESSION FRONT MOUNT



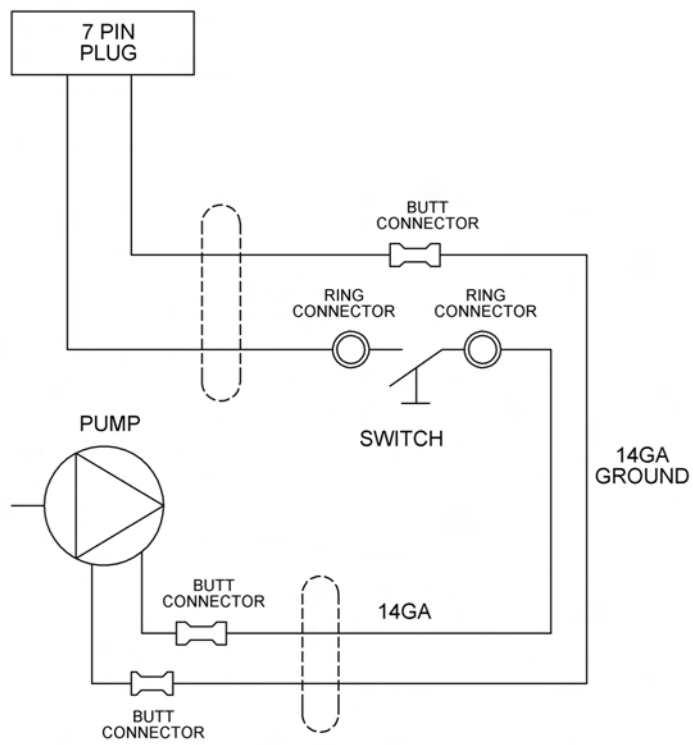
FIRE SUPPRESSION FRONT MOUNT

Continued...

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-----------------------------|
| 1 | 06520342 | 1 | TANK,50 GALLON |
| 2 | 06370204 | 1 | MNT,TANK,FRNT,50 GALLON |
| 3 | 35176 | 4 | U-NUT,1/4,3/4 TO CENTER |
| 4 | 35091 | 6 | CLAMP,HOSE,#6 |
| 5 | 06503168 | 2 | SWIVEL,1/2 STR,POLY |
| 6 | 06520469 | 8 | HOSE,1/2,SPRAYER |
| 7 | 06520359 | 1 | PUMP,FIRE KIT |
| 8 | 06503108 | 1 | FITTING,1/2" BARB X 1/2"MP |
| 9 | 06520367 | 2 | ELBOW,1/2MPX1/2BARB,POLY |
| 10 | 27329 | 1 | U-BOLT,1/4X2X1 |
| 11 | 06520361 | 1 | FILTER,FIRE KIT,RAILKUT |
| --- | 06520351 | 1 | STRAINER,40 MESH |
| 12 | 06520349 | 1 | FITTING,BARB,HOSE,WETCUT |
| 13 | 06520346 | 1 | FITTING,BULKHEAD |
| 14 | 21627 | 8 | NYLOCK NUT,3/8 NC |
| 15 | 22016 | 16 | FLATWASHER,3/8,GR8 |
| 16 | 06510255 | 1 | PLUG,7PIN,TRCTR |
| 17 | 06510256 | 22 | WIRE,14GA,4WIRE (FEET) |
| 18 | 21631 | 8 | CAPSCREW,3/8X1 1/4, NC,GR8 |
| 19 | 06370207 | 1 | MNT,FIRE SUPPRESSION |
| 20 | 21527 | 3 | NYLOCK NUT,1/4 NC |
| 21 | 06510257 | 2 | CLAMP,3/8X1/4,INS |
| 22 | 21529 | 2 | CAPSCREW,1/4 X 3/4 NC |
| 23 | 6T3222 | 1 | DECAL,CONTROL,ON-OFF SWITCH |
| 24 | PT3905A | 1 | SWITCH,MOWER |
| 25 | 06520360 | 1 | HOSE REEL,FIRE KIT,RAILKUT |
| 26 | 06520366 | 1 | GUN,FIRE KIT,RAILKUT |
| 27 | 06430090 | 1 | SLEEVE,GUN,FIRE SYS |
| 28 | 06370121 | 1 | HOLSTER,FIRESYS,RAILKUT |

COMMON SABER

FIRE SUPPRESSION SYSTEM ELECTRICAL SCHEMATIC

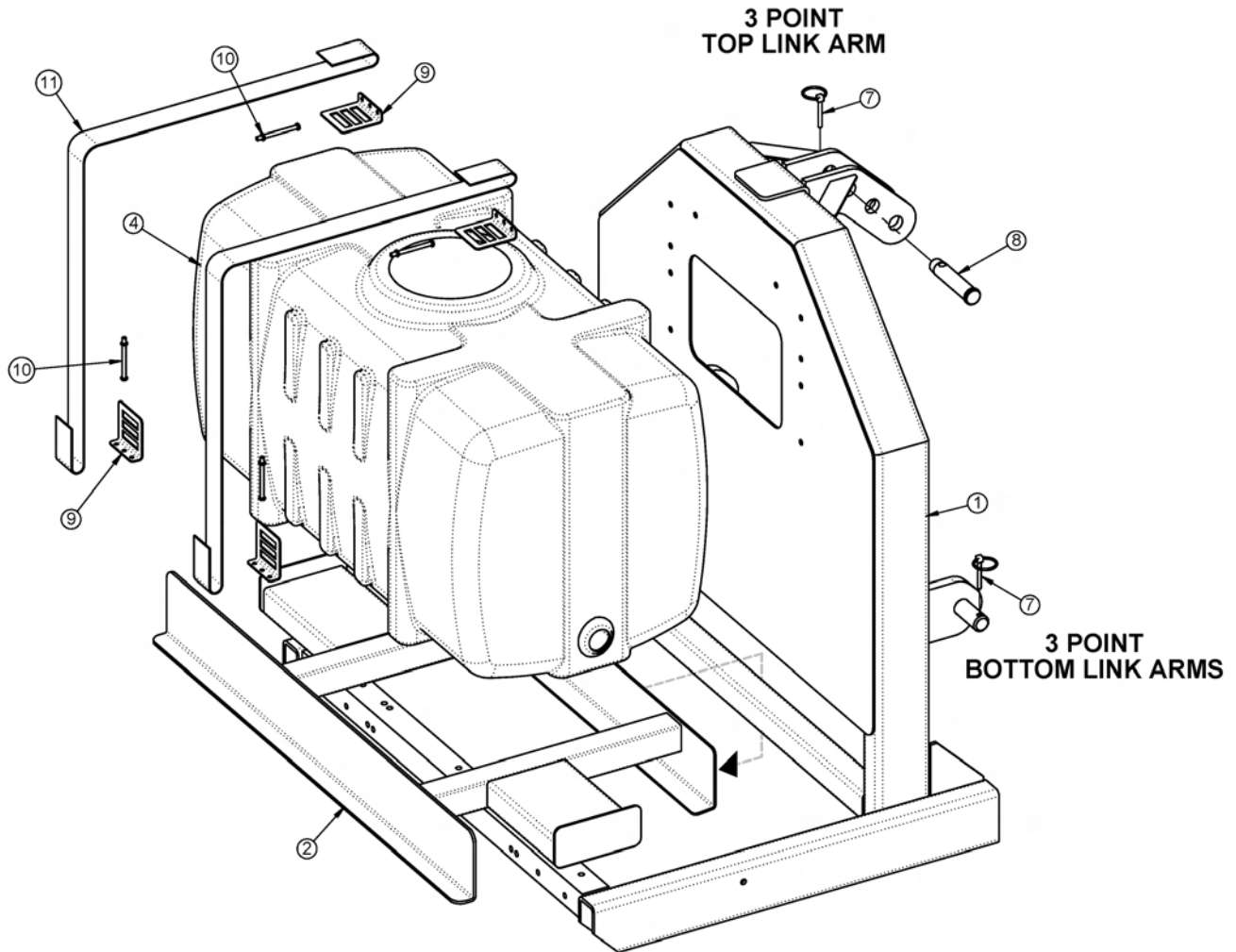


WETCUT

**WETCUT
SECTION**

WETCUT 50 GALLON TANK - 3PNT MOUNT

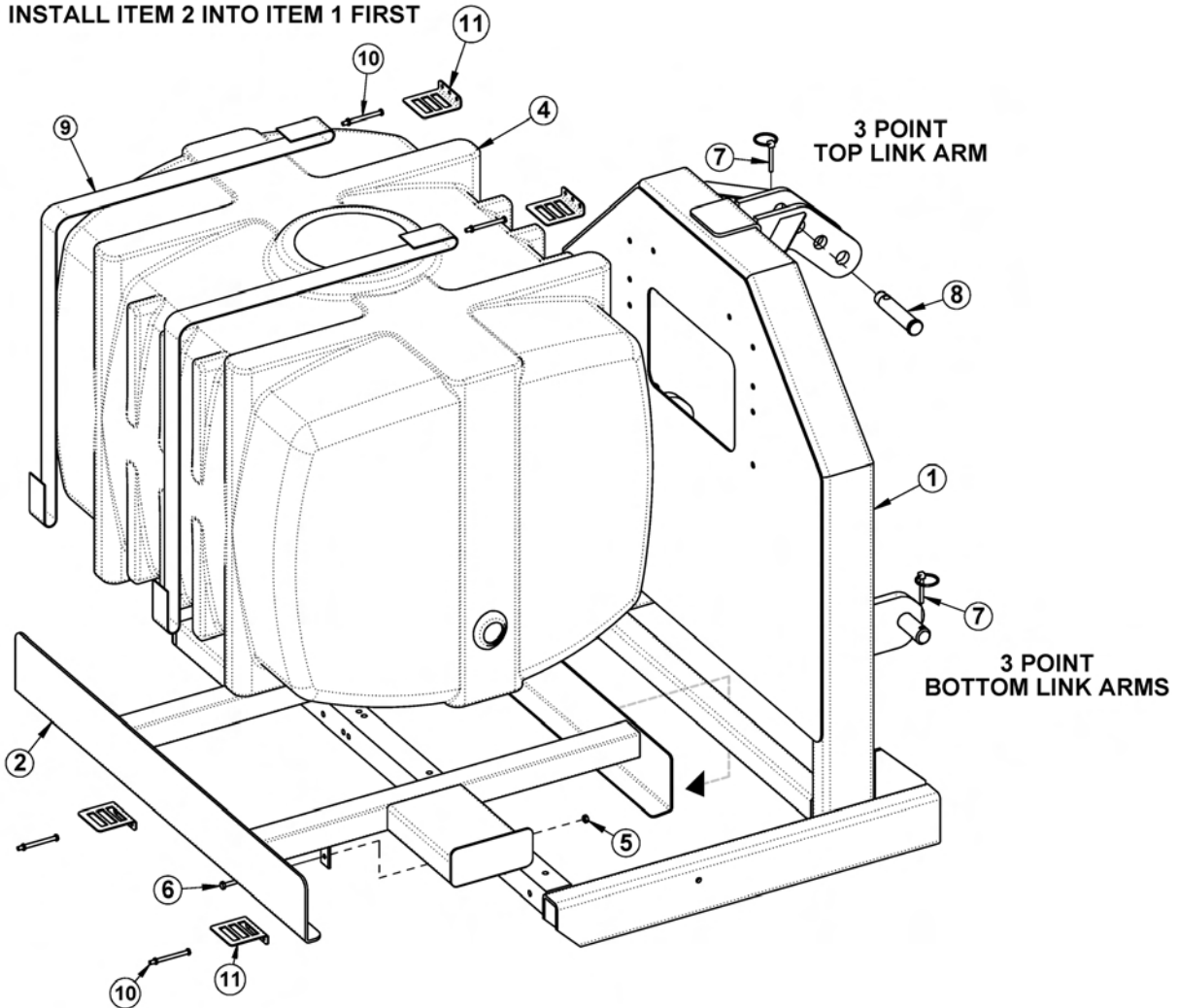
INSTALL ITEM 2 INTO ITEM 1 FIRST



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

WETCUT 100 OR 150 GALLON TANK - 3PNT MOUNT

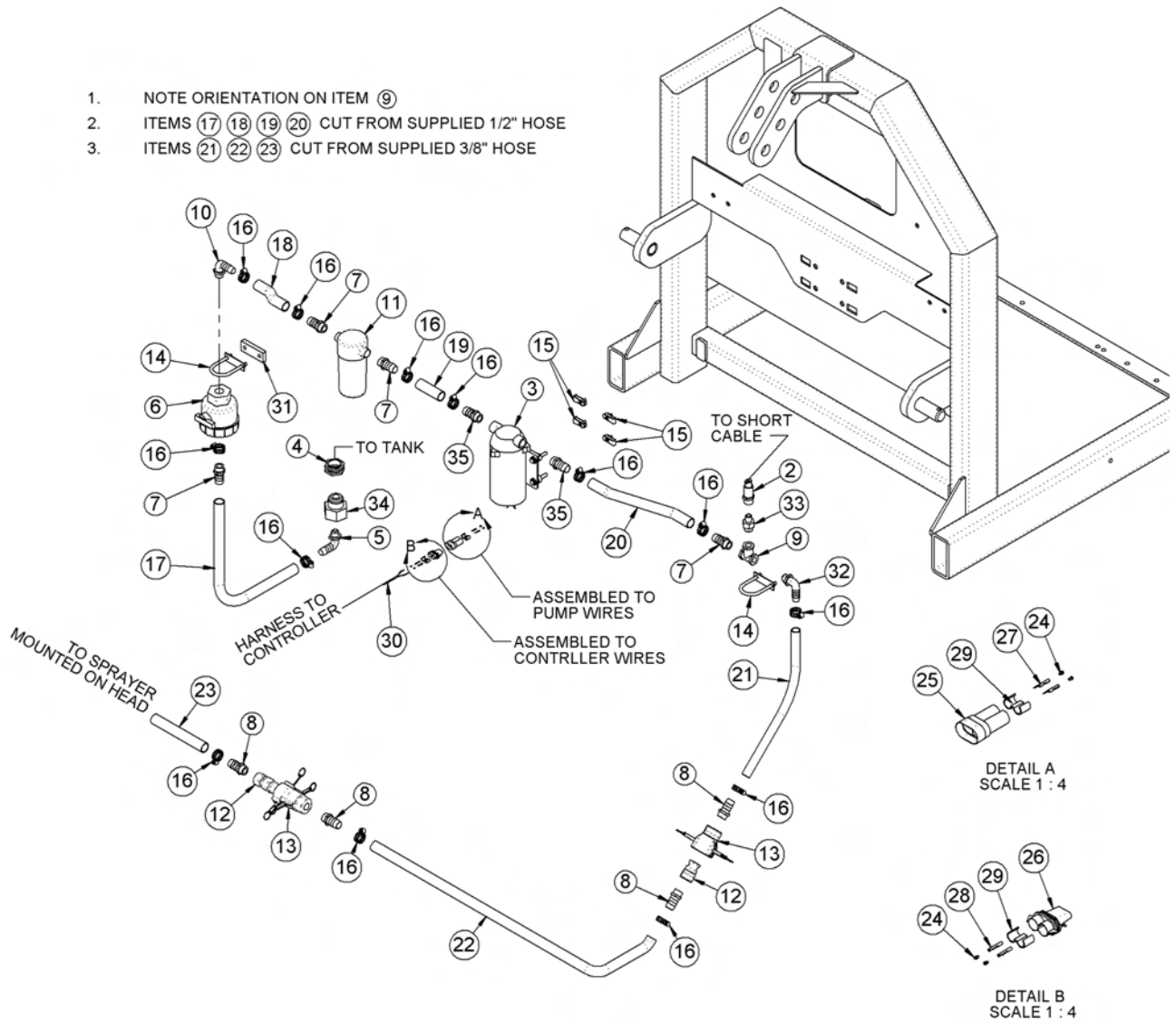
INSTALL ITEM 2 INTO ITEM 1 FIRST



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

WETCUT 3PNT PLUMBING - 50IN MOWERS

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



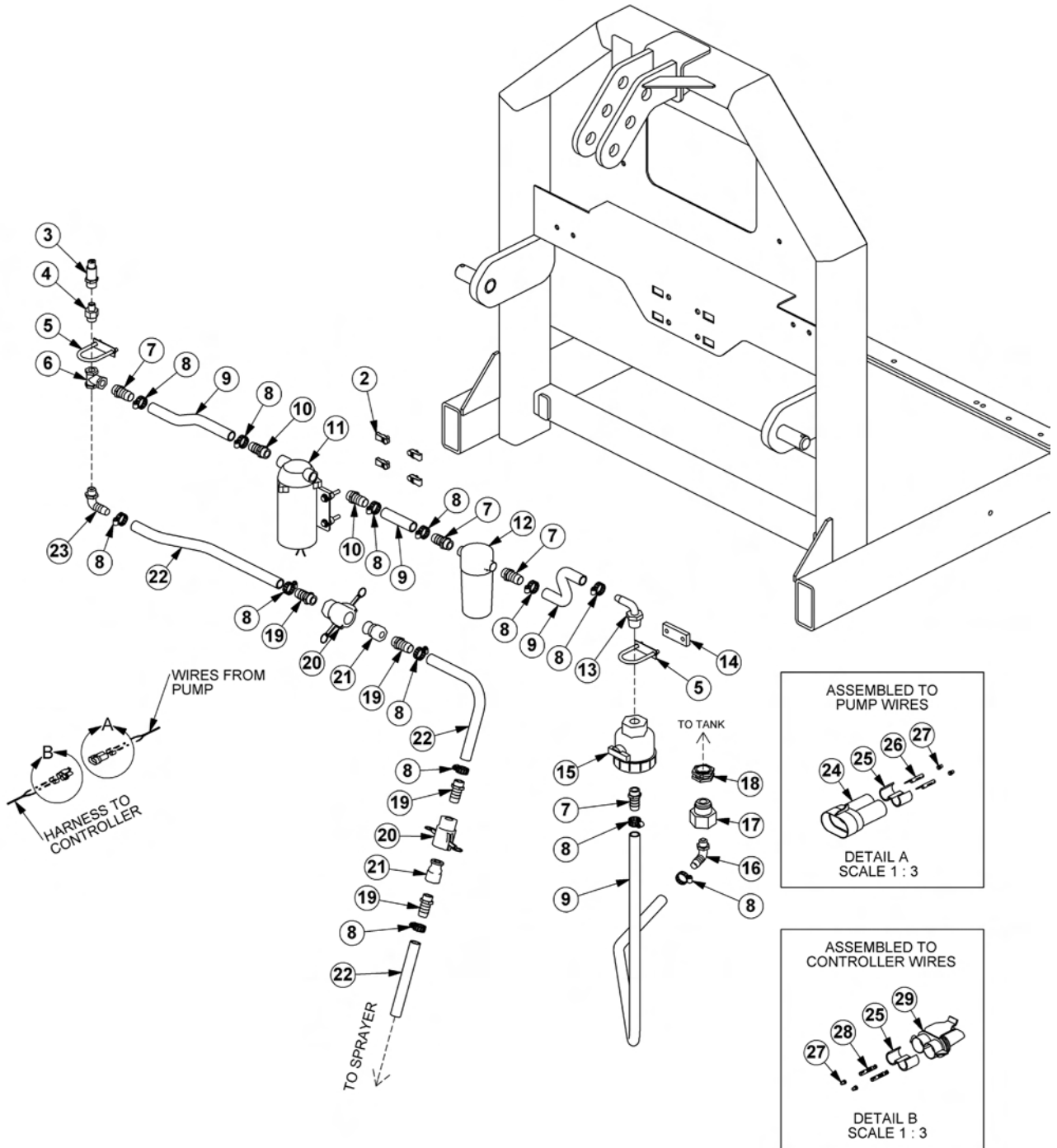
WETCUT 3PNT PLUMBING - 50IN MOWERS

Continued...

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

COMMON SABER

WETCUT 3PNT PLUMBING - LARGE MOWERS



WETCUT 3PNT PLUMBING - LARGE MOWERS

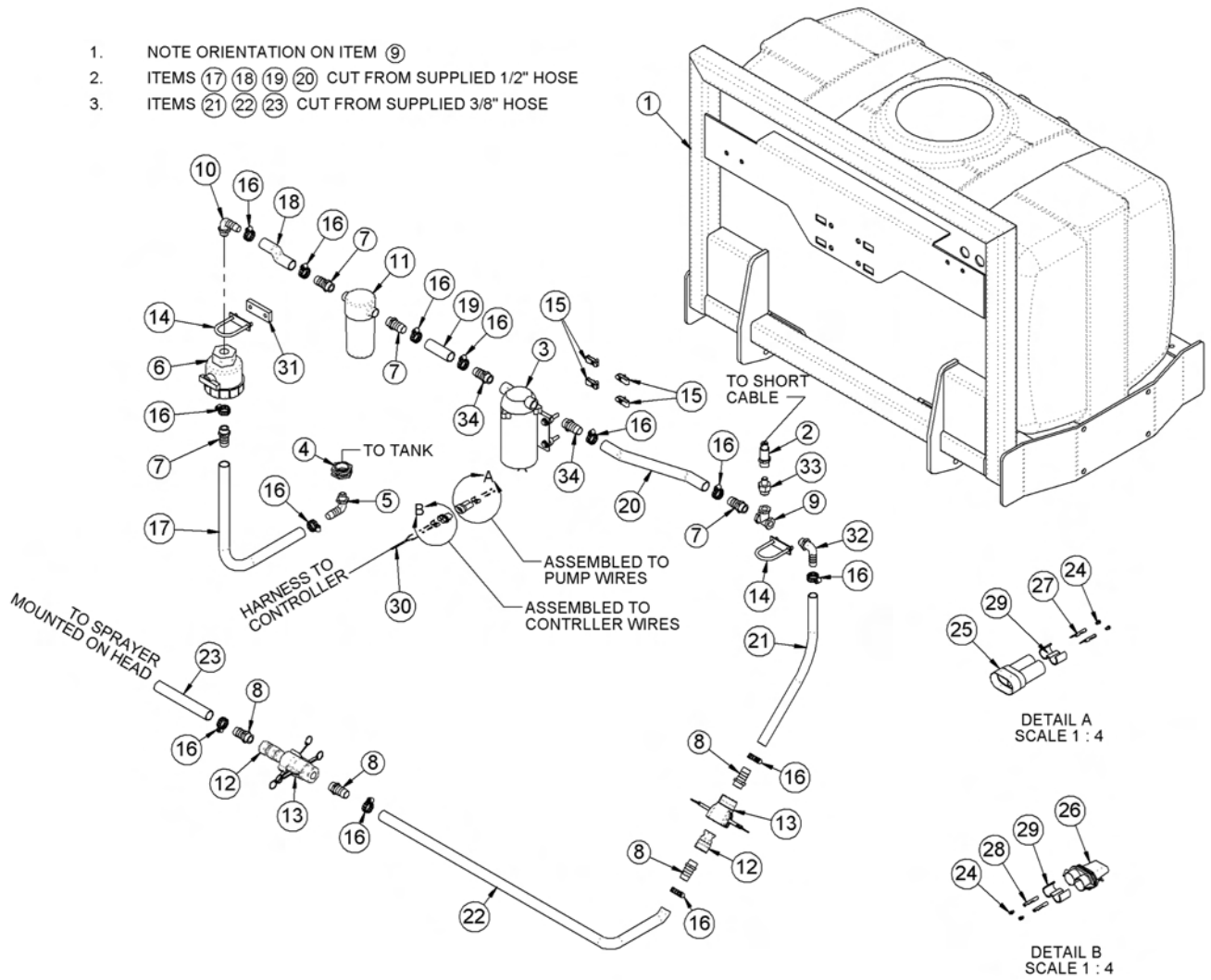
Continued...

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

COMMON SABER

WETCUT FRONT PLUMBING - 50IN MOWERS

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



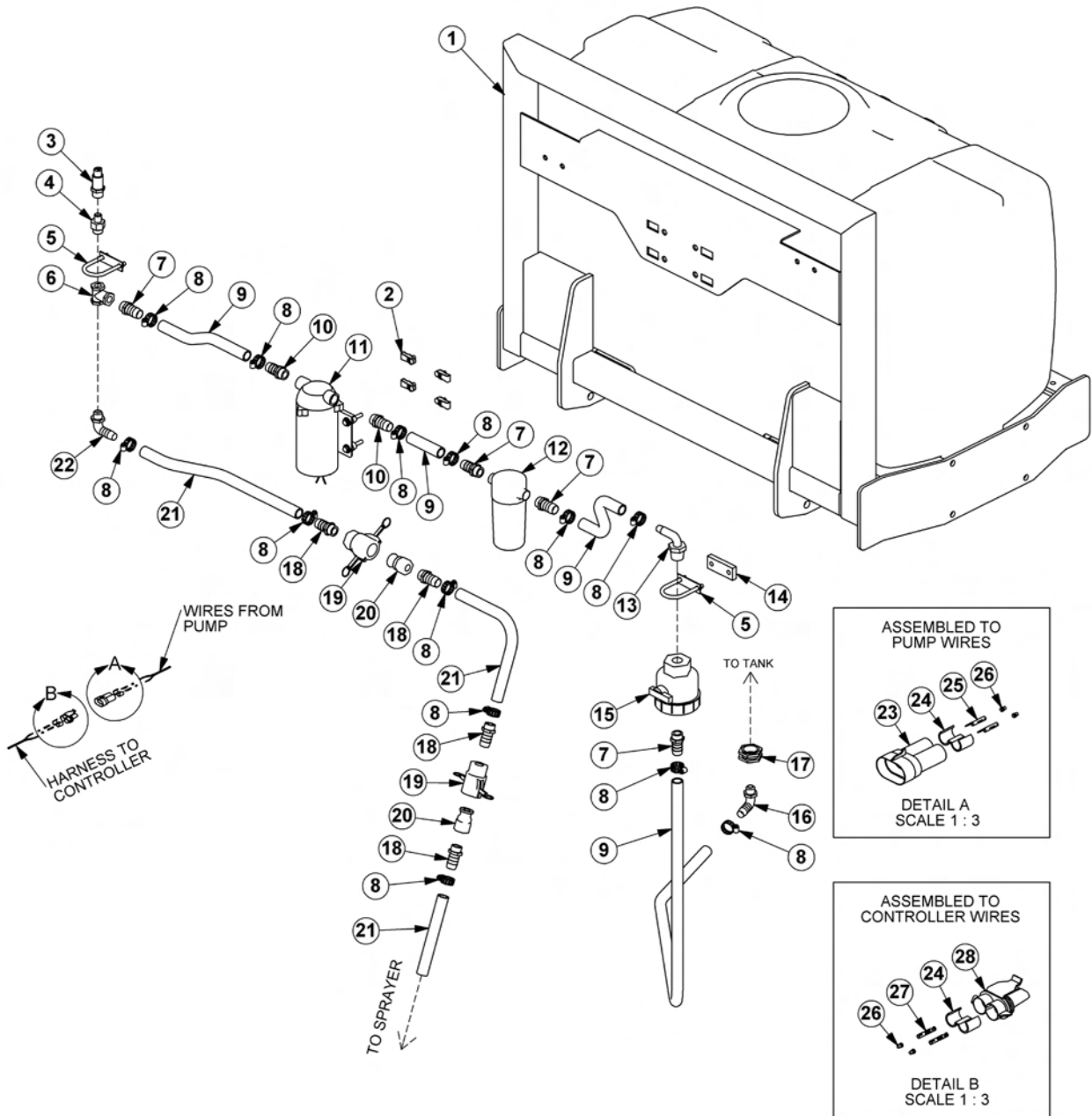
WETCUT FRONT PLUMBING - 50IN MOWERS

Continued...

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

COMMON SABER

WETCUT FRONT PLUMBING - LARGER MOWERS



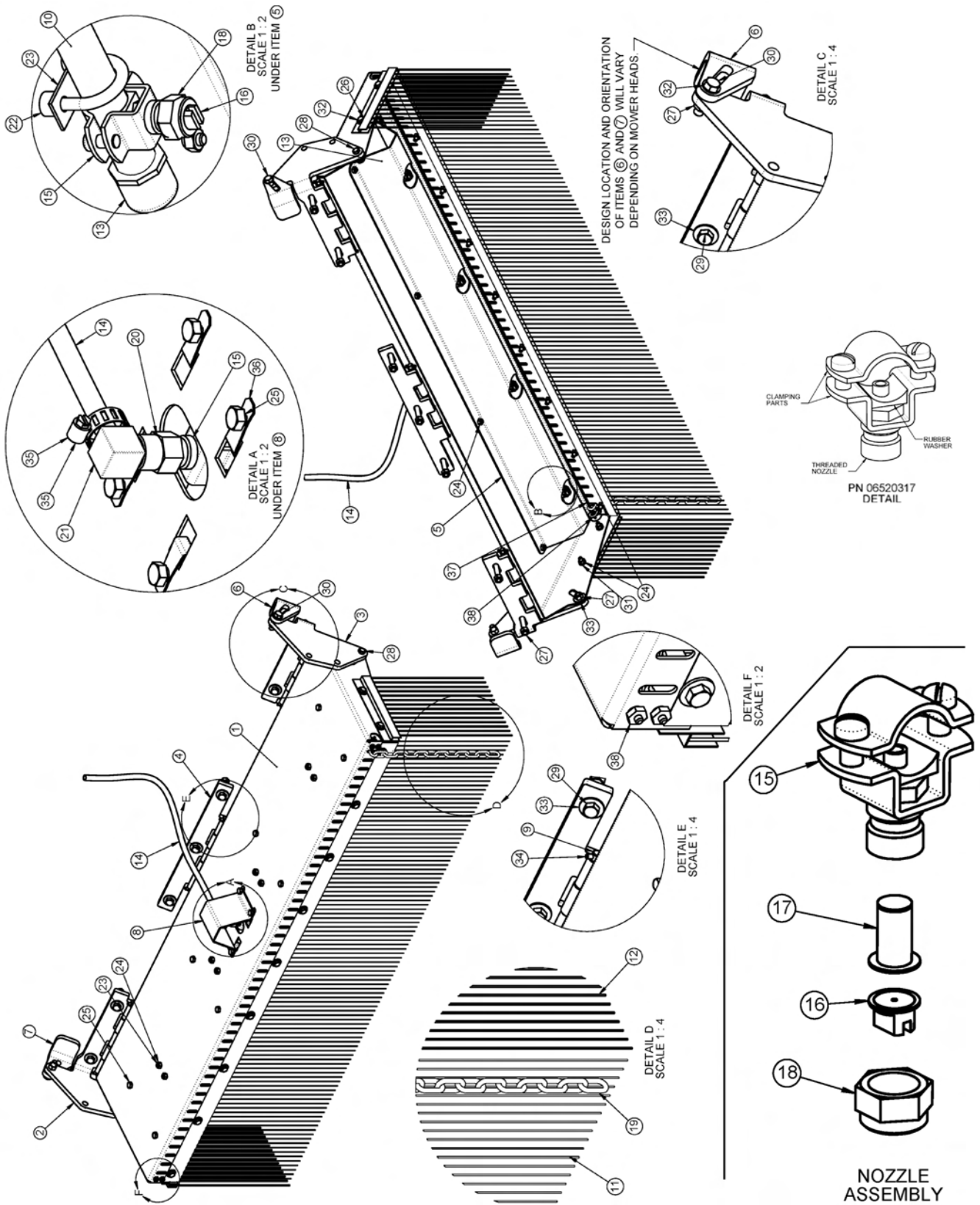
WETCUT FRONT PLUMBING - LARGER MOWERS

Continued...

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

COMMON SABER

WETCUT 50IN SPRAYER HEAD ASSEMBLY



COMMON SABER

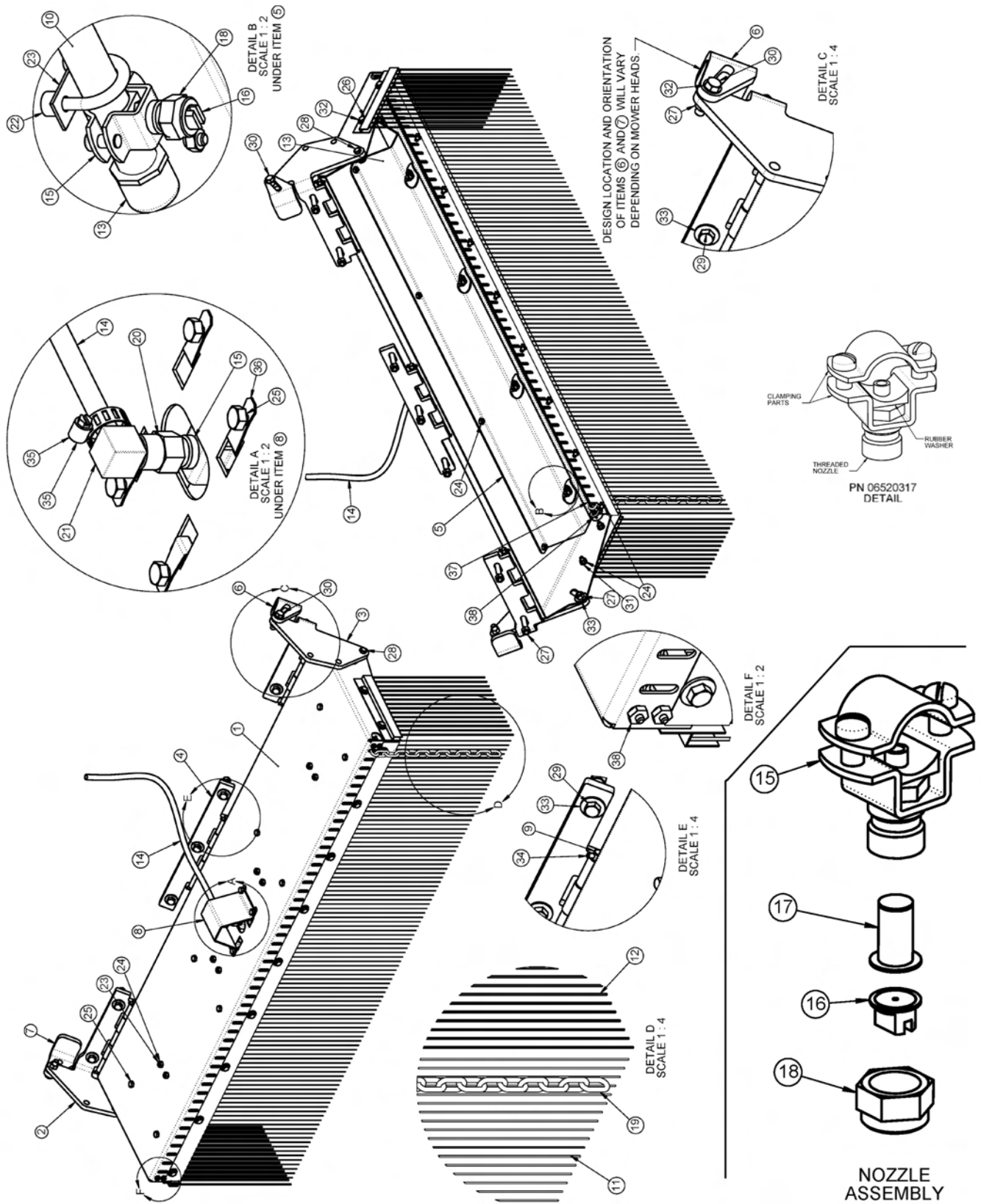
WETCUT 50IN SPRAYER HEAD ASSEMBLY

Continued...

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

COMMON SABER

WETCUT 60IN SPRAYER HEAD ASSEMBLY



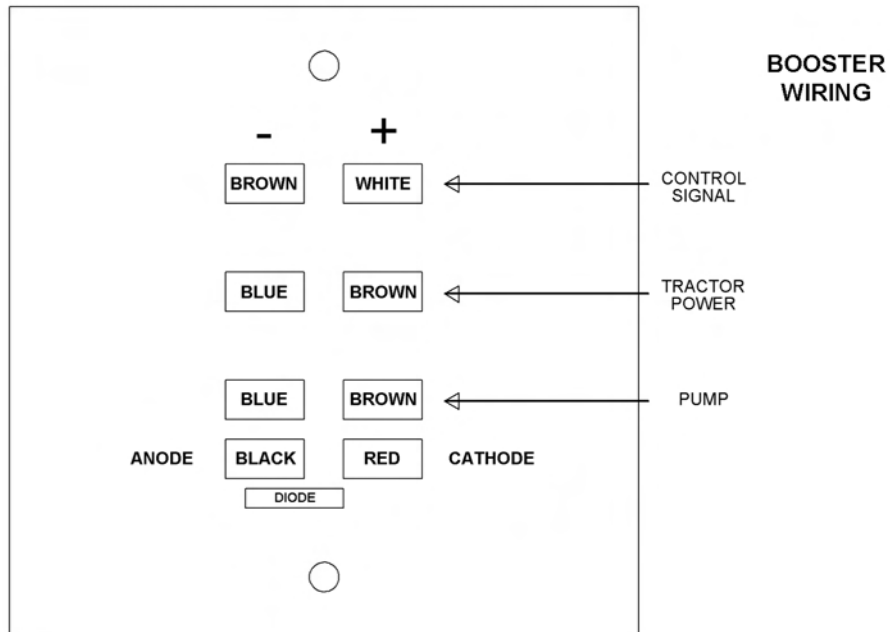
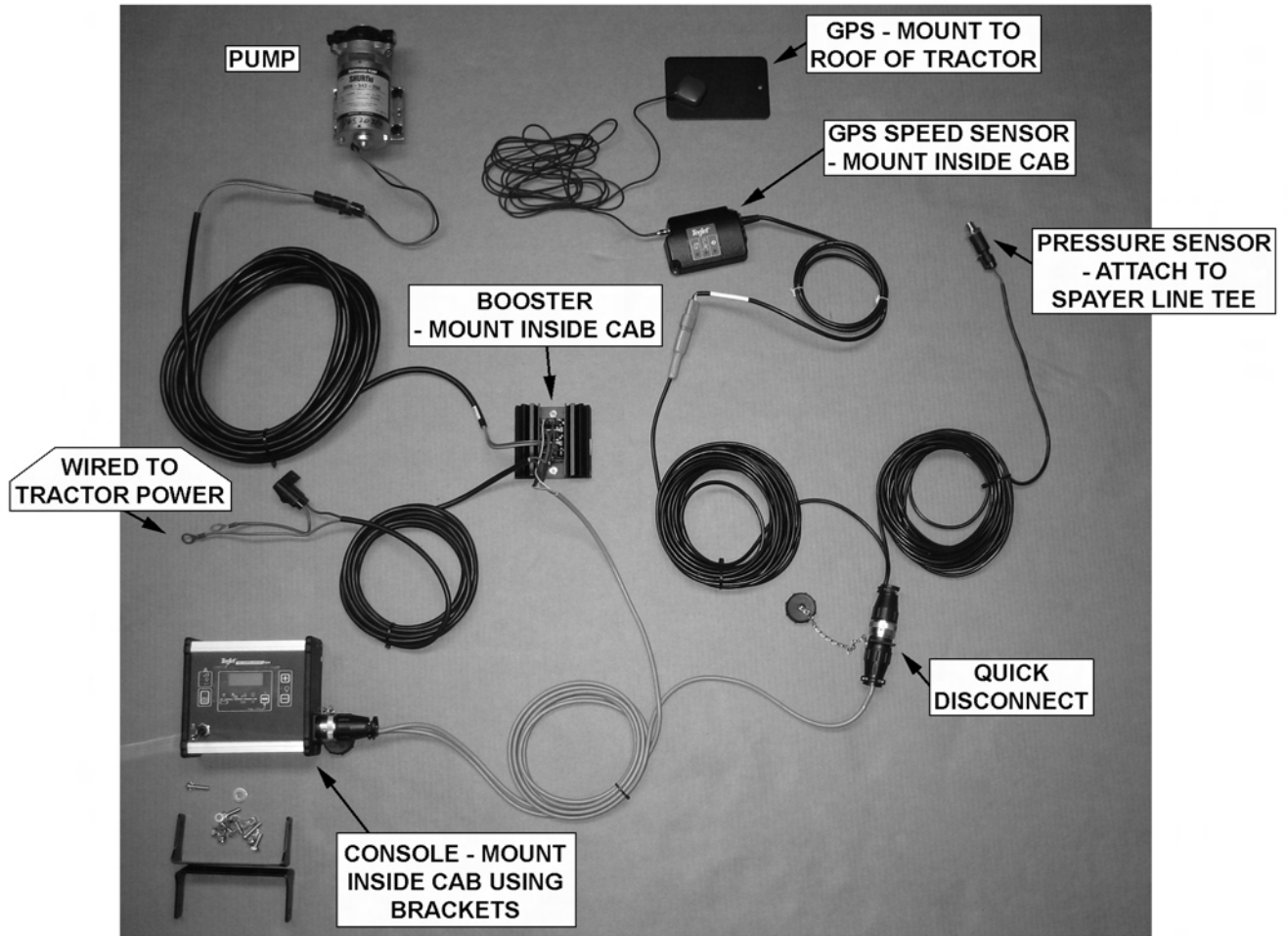
WETCUT 60IN SPRAYER HEAD ASSEMBLY

Continued...

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

COMMON SABER

WETCUT CABLES



WARRANTY SECTION

WARRANTY INFORMATION

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

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

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

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

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

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

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

ONE LAST WORD

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



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

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

TO THE OWNER / OPERATOR / DEALER



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

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

OWNER REQUIREMENTS:

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

OPERATOR REQUIREMENTS:

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



Printed in USA
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