

G569F6CCA 5GG9A6@9G

JD6140-50M/R

Current as of I /GF/14



PARTS LISTING WITH MOUNTING AND OPERATING INSTRUCTIONS

H][Yf'7cfdcfUh]cb

3301 N. Louise Ave.
Sioux Falls, SD 57107
%, \$\$!, ('!*, (%*\$)!''*!+-\$\$
k k k ''ij[Yf!a ck Yfg'Wca

HC H<9 CK B9F #CD9F5HCF #895 @9F

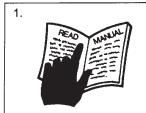
All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached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

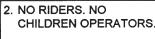
69: CF9 MCI GH5 FH° Read the safety messages on the implement and shown in this manual. Observe the rules of safety and use common sense!

F958 5B8 I B89FGH5B8 H<=GA5BI 5 @"BcbE9b[`]g\ 'gdYU_]b['cdYfUrcfg'k]``bYYX'rc'; 9H H<9'A5BI 5@HF5BG@5H98'Ug'bYYXYX'



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







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





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



6. USE SMV. LIGHTS. & REFLECTORS.



7. DO NOT OPERATE WITH CUTTER OR WING RAISED.



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

Y cttcpv('Kohqto cvkqp<"Tgcf 'cpf 'wpf gtuvcpf 'vj g'eqo r rgvg'Y cttcpv('Uvcvgo gpv'hqwpf 'kp'vj ku'o cpwcr0)"'Hkm'qwv'vj g Y cttcpv{ "Tgi kıntcıkqp"hqto "kp"hwn"cpf "tgwtp"kı"y kıj kp"; 2"f c{u0"O cng"egtvckp"\j g"UgtkcnP wo dgt"qh'\j g"o cej kpg'kıl tgeqtf gf "qp" y g"Y cttcpv("Ectf . "cpf "hqto "y cv" {qw"tgvclp0

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 inform 	ation about the problem including results of troubleshooting

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

and will read a copy of this manual.

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

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

TABLE OF CONTENTS

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



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
	G97H€B
	3071133
Ùæà^¦ÁÛæ^ĉÁÙ^&cã[}ÁWFËF	

; YbYfU GUZYmi=bglfi Wijcbg UbX DfUWijW/g



 $\begin{array}{l} V@A\hat{U} = A^{\circ} \hat{A} =$

Df UW] WY U`i gi U`UbX'W ghca Ufmg UZY'k cf_]b['df YWUi h]cbg'UbX UVcj Y'U`'!! 'f Ya Ya VYf 'g UZYhm']g'i d'hc 'MCI '''Cb`mi MCI 'WUb df Yj Ybh gYf]ci g']b1 fmcf'XYUh 'Zfca 'i bg UZY'df UW] WYg"



Qå å & & Ág { ā, ^} d^ Á@ æ æå [* • Á ã æã æã] Á @ æ ÆÁ [oÁæ; [ã å ^ å Æ OŠŠÁ ^ • * | oÁ§ Á Ö Ò OT / P U Ü Á Ò Ü Ÿ Á Ú Ò Ü Ü W Ù Á Æ R W Ü Ÿ È



Qå å å æ 6 • Áæ Áā { ā, ^} d^ Á@e æ å [* • Á ã æ æ ā, } Ás@æ É Á ā, [o Áæ; [ã å ^ å É Ô U V Š Ö Á ^ • * | o Á; Ö Ò O S / P Á U Ü Â Ù Ò Ü O U W Ù Á D R W Ü Y È



Qå å & æc^•Áæ) Áā[{ā}^}d^Â@e ædå[ˇ•Ánãc æcā]}Án@ecĒĀsÁ,[nÁæ;[ãå^åÊĀT ÖËÁ^•ˇ|nÁs,ÁT OD-UÜ OD-RWÜŸÈ

BCH9. @^} @A^\$ @A^\$ @A\$ A\$ @&&`|&A\$ @^!^• @A\$ \(A\$ [!^A\~&&A}) @A\$!\(A\$[) \cap A\$ \(A\$ [) \cap A\$ \(A\$ [



D9 @ FC°



ÙãÁ, [Á,^^ÁQ,*|^•ÊÁ, ãã æÁse° åæÁsæÁse†* ã^}Á`^ •ãÁ, Á,^æÁ, æð æÁ *^Á,^Ád æå *: &æÁæ Á, ^å ãã æ• å^Á,^* ¦ãã æå ÈÁ, 1/5+



. @95 '9 @ -BGHFI7 H–JC°

85B: 9F°



$$\begin{split} & \text{P}_{\text{c}}^{\text{c}}/\text{A}_{\text{l}}^{\text{l}} = \text{As}_{\text{c}}^{\text{l}}/\text{A}_{\text{c}}^{\text{l}}/\text{A}_{\text{c}}^{\text{l}} = \text{As}_{\text{c}}^{\text{l}}/\text{A}_{\text{l}}/\text{A}_{\text{$$



K5FB-B; °



K5FB=B;





K5FB-B: °



U]^\aæ^Ác@ ÁÒ``ā]{^}oÁ;}|^Á¸ãc@ ÁÒ\\aæ&c[\Á\``ā]]^åŸãc@ Áæ}
æi] \[ç^åÁ[||Ë;ç^\!\;| c^&cāç^Á\^•c^{AQUUÚUD ÁOT;}æê•Á¸^æbÁ^æc
à^|o•DÁQ^\iai*•Ái; b'\^Á;\Á\;c^}Ås^æc@ Æ[`|åÁ^•`|oÁ\[{ Áæ||ā}*Á;~Ác@^
dæ&c[\E;;ada&`|æb|^Æi`\ae[\Á&[`|åÁs^]ā}^åÁ}å^\Ac@ ÁUUÚÙDÁ\;/9+



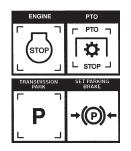
K5FB=B;



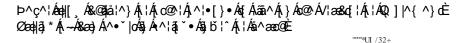
 $\ddot{O}[\dot{A}[\dot{A}][\dot{A}[\dot{A}][$

85B; 9F°





85B: 9F°





85B: 9F°

b^c^| Áad|[, Á&@ãa|^} Áf Áf]^| æe^Á; | Áaã^Á; } Ác@^Á/| æ&d; | Á; | ÁQ;] |^{ ^} cÈ

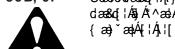


K5FB-B: °

Ö[Án[cÁn[ˇ]cÁn@Ádæ&d[¦Á,@AnÁn@Ádæ&d[¦ÁnánÁn[çā]*ÈÁn[ˇ]cÁn@Ádæ&d[¦ [}|^Á, @^}Ác@^Áclæ&d;|Áæ}åÁæ|Á;[çā;*Ájælo•Áæl^Á&[{]|^c^|^Á;d]]^åÈ



85B; 9F°



Ùædóklæsó(¦Áí)|^Á,@}Á;|[]^;|^Á^æc^åÁş Áo@Áslæsó(¦Á^ædÁùædæí;*Áe dæ&d;lÁ§jÁt^æáÁsæ)Á^• | oÁ§jÁ§jb;l^Áj;lÁs^ææ@EÁÜ^æåÁs@As;æ&d;lÁj]^;æe[;|•



85B: 9F°



Þ^ç^¦Á[¦\Á}å^¦Ác@ÁQ]|^{ ^}dÊc@Á;æ(^, [¦\ÊÁ;¦Áæ)^Ájæc^åÆ([{][Ë }^}oÁ()|^••Áo@ÁQ()||^{^}oÆiÁ^&`|^|^Á`]][|c^åÁi|Æi|[&\^åÁ|Áf] ¦^ç^} œÁ`åå^} Æį!Ƨ æåç^!¢^} œÁæ|@};*Á; @\$&@Ƨ[`|寿ě•^Æ;^!@[`•Ƨ b`¦^ [| Á C ^ } Á a ^ æ @ Á **UI /36+



85B: 9F°



 $\ddot{O}[\dot{A}_{1}]\dot{A}_{2}$ \dot{A}_{3} $\dot{A}_{$ ^¢]^}•ãç^kæ} å kão• Á; |^•^} & Ak[`|åÁ; |^•^} okǽ@e æ å ĚÁÖ[Á; [ok@ & Á; | |^æ\•Á, ão@Á[`¦Á@æ) å ÂÁÁV.•^ÁæÁj ã?&^Á; ~Á@?æç^Áj æ]^¦Á;¦Á&æ;å à[æ;å ÈÁAP ã @Ë æ) å Ásæĕ•^Ásæē• * ^Ásæe{ æ* ^Ásþ. &| * åðþ. * Á*æþ. * ¦^} ^ ÈÁKQÁþ. ðþ. Ås. [^•Áþ.^} ^ dææ ^Ás@ •\ a} ££@eeç^Ás@^Á\$| b`¦^Ásl^æe^åÁ\$[{ ^åãeee^|^Ásc^£,@•38ãee}Á}[,|^å*^Ë æà |^Ásc} åÁr\ā|^åÁs} Ás@ãrÁ;¦[&^å `¦^Ěeur/37+



K5FB-B: °



V@^Á[]^¦æe[¦Áæ)åÁæd|Án*]][¦œÁ,^¦•[}}^|Án@(*)åÁ,^æ÷Á@æ÷åÁ@ææ•Ê • æ^cîÁ @ ^• ÊÁ æ^cîÁ |æ•^• ÊÉsa) åÁ; |[] ^¦Á@^ædā; *Á; |[c^&cā[}ÁsæÁsa| cã[^•Á[¦Áj:|c^&cã[}Á:|{ Ás|b`;^Ás|&|`åā]*Ás|b`;^Á;[{Ásc^{•Ás@[]}Ás^ c@^A~~~a(^) dÈ







751 HCB°



DFC@CB: 98'9LDCGIF9'HC'@CI8'BC=G9'A5M75IG9'D9FA5! B9BH'<95F=B; '@CGG''' V¦æ&d[¦•Á, ão@Á¦Á, ão@`oÁæ)ÁQ] |^{ ^} oÁædË œ&@åÁ&æ)Á,~e^}Áa^Á,[ã^Á}[ĭ*@Á;Á&æĕ•^Á,^¦{æ)^}oÁ@ædã;*Á[••È Y^Án^&[{{^}}åÁs@æmÁ[ˇÁsd;æê•Á,^æhÁ@ædā]*Áj¦[♂&cā[}ÁsáÁs@Aj[ã^Ásj c@^Á,]^¦æa[¦q•Á,[•ããa]}Á^¢&^^å•Áì€åàÈÁÞ[ã•^Á,ç^¦ÁìÍåàÁn,ç^¦Ásè)Á^¢Ë c^}å^åÁn^¦ãiåÁn Ánãi ^Á, ãlÁ&æĕ•^Án^c^¦^Á@eætāi*Álf••ÈÁn[ãn^Áic^¦ÁJ€åà æåbæ&^}oÁg Ás@ Ág]^¦æg[¦Ágç^¦Ása)Án¢c^}å^åÁg^¦ā[åÁg Ásāg ^Á, ā∏Á&æĕ•^]^{{ æ}^}on{\kappa_4@ea\$}*A|••ÈAP[c^MAP^æ\$]*A|••A|[{ A|`aA}[ã^ ަ[{ Ádiæ&d[¦•É&&@æā]Ánæ;•ÉAæåā[•Éæa)åÁ[c@\Án`&@Á[ĭ¦&^•Á&][•^Á[Ác@\ ^æłáðarÁ&~{ `|ææãç^Án;ç^\¦ÁæÁjã^cã;^Á,ãæQ;`cÁQQ]^^Án;~Á,æc;\æþÁ^&[ç^\¦ÁhÈ/19+



K5FB-B: °



Viæ)•][¦ơÁ}}|^ÁœÁæAÁ]^^å•ÈÁÁÛ^¦ãi~•Áæ&&ãå^}c•Áæ)åÁãbið¦ãð• &aa) Á!^• ˇ |oÁ¦[{ Áị]^¦aœā] * Ás@ã Ár ˇ ā]{ ^} oÁsœÁ}•æ^Á;]^^å•È W} å^!• cæ} å Ás@ ÁV; æ&d; lÁsp å ÁQQ] |^{ ^} cÁsp å ÁQQ _ ÁspÁ@e) å |^• Ásp^#; |^ dæ)•][¦dā,*Á[}Á:d^^c•Áæ)åÁ@ã@æ•ĒÁÁTæ)^Á*;¦^Ás@∙Á V¦æ&d;¦ • c^^|ā| * Áse} å Ás| æ ^• Áse^ Ás| Á*[[å Ás[} å ãsā[} Áse) å Á[] ^|æc^ Á| | [] ^||È



6 YZcfY lfUbgdcfh]b['h\ Y HfUWcf UbX ≔a d`Ya YbhžXYhYfa]bY h Y'guzy'lfubgdcfhigdyyxg'zcf'mci 'ubx'h Y'Yei]da Ybh' 'AU_Y qi fY'mci 'UV|XY'Vmih Y'Zc''ck]b['fi 'Yq.

- %"HYghil\Y'lfUWlcf'UhU'g`ck 'gdYYX'UbX']bWlYUgY'l\Y'gdYYX'g`ck`ml 5 dd`mil\ Y'VfU_Yg'ga cch\ `milc XYhYfa]bY'h\ Y'glcdd]b['W\ UfUWlYf]gh]Wg cZh\Y'HfUWcf'UbX'=a d`Ya Ybh''''5 g'mci ']bWfYUgY'h\Y'gdYYX'cZh\Y HfUWcf'l\ Y'glcdd]b['X]glUbW']bWYUgYg""8 YllYfa]bY'l\ Y'a UI]a i a gUZY'lfUbgdcfhigdYYX'Zcf'mci 'UbX'l\]g'Yei]da Ybh'
- **&"** ∨^•oÁs@Á~~~ã[{^}oÁsæÁsæÁ|[,Á-]^^寧Áč¦}•ÉÁQ0,&¦^æ•^Ás@Á-]^^å c@[**@Ás@Ác;}Át}|^Ásee^¦Á[*Ás^c^¦{ā;^Ás@ee/ÁsÆsÁsÆsÁtÁt]^¦æe^ ædáædí@it@\Ai]^^åEdÁN•^Ai¢d^{ ^A&æd^Aæd åA^å`&^Ai[`\Ai]^^å @} Ac | } a * A @e | | ^ Af A | ^ c^} o 6 @ Ad æ 6 | | Ae a Af | | ^ { ^ } o 4 | { c'|}ā,*Ái,ç^|ÈÖ^c^|{ā,^Ás@Á; æ¢ā; `{Á:æ^Ác'|}ā,*Ái]^^åÁ[¦Á[` æ}åÁs@āÁn~~ĭā]{^}oÁs^-{¦^Á[]^¦ææā]*Á[}Á[æå•Á;¦Á′}^ç^}Á*¦[ĭ}åÈ



""U}|^Ád;æ}•][¦cÁs@^Á/¦æ&q[¦Áse}åÁQ]|^{^}c^\$césæÁ@^Á]^^å•Ás@æÁ[ĭ @acç^Ás^c^\{ aj^a Ásd^Á+æ^Á+æ^ÁAsd} å Á, @ak@Ásd|[Á [´Á[Á, | [] ^\| ^

6 Y'Uk UfY'cZh\Y'cdYfUh]b['WcbX]h]cbg"'8 c'bchcdYfUhY'h\Y'H fUWrcf k]h\ k YU_cf'ZUi `hmiVfU_Yg"``K \ Yb'cdYfUh]b['Xck b'U'\]``cf'cb'k Yh cf fujb g w fcuxgžh Yvfu b XgHbWY bWYugyg i gyyl Hya y WUFY UbX fYXi WY mci f gdYYX" "K\Yb cdYfUn]b[]b IfUZZIWU k Umg i gY h\Y`HfUWrcfEg`ZUg\]b[`kUfb]b[``][\hg`UbX`fYXiWY`mcif`gdYYX"``6Y Uk UfY'cZlfUZZWUfcibX'mci 'UbX'k UHW 'cihZcf'h Y'ch Yf' [imf'''f6; 1% Ł

Ùæà^¦ÁÛæ^¢ÂÛ^&dãi}ÁWFË

K5FBB: °

 $\triangle \hat{A} = \hat{A} \cdot \hat{A}$ Q] $| ^{ } ^{ }$ $^{ }$ • ` \^ \hat{a} \dag{ \hat{A}} * \bar{a} \^ \hat{A} \dag{ \hat{A}} * \bar{a} \^ \hat{A} \dag{ \hat{A}} \dag{ \ha



K5FB-B; °



Ú^¦ā[åã&æ|^Áā]•]^&oÁæ|Á[[çā]*Á]ælo•Á[¦Á, ^ælÁæ)åÁ^]|æ&^Á; @^} }^&^••æ^^A, ão@Áæcc@; ¦ã^åÁ^;çã&^Á,ædo•ÉÁŠ[[\Á;¦Á[[•^Áæc^}^i] ê [|} A| |A| |[\^} A| ado Bad aA| aA| A| |A| [• ^ Aaca * • BAT ad ^ A * | ^ Aad| A| a • æł^Á;|[]^;|^Á;^&`;^åÈÁÛ^;á[~éAa,b`;^Á;æíA;&&`;Á;[{ Á;[oÁ;æáa,æáa,æa;a;* c@a Á a&@a ^Áa Á [[å Á [| \ ā * Á | å ^ | ÈÁ | /43+



K5FB-B; °



OF, æê•Á^æåÁ&æ4^~~ ||^Áæ)åÁ&[{]|^Á~||^Á,ão@Á@Á,æ)~æ&c`¦^¦•Á§•d`&Ë æ* ^} œ#\u_ /44+





b^c^|Á'} Ác@Ádæ&d |Á\} * ā, ^ÁB, ÁæÆU| • ^ å Áà ` āåā * Á| |Á, ãc@ ` cÁæå^` ` ææ^



SÒÒÚÁŒY ŒŸÁØÜUT ÁÜUVŒYŒPÕÁÔŠÒT ÒÞVÙÁ{ Á; \^ç^} œ\} * |^{ ^} c æ) åÁj[••ãa|^Á;^¦ãj~•ÁSjb`¦^Á;¦Áså^æe@È



85B: 9F°



Þ^ç^¦Áed|[Á&@Aå|^}ÁfÁ|æêÁj}Á;¦Áed[`}åÁ/¦æ&df¦Áj¦ÁQ]|^{ ^}dÉÁÁÔ@Aå|^}

85B; 9F°



 $B9J9FigYXfi[g'cf'UWc\c'\atau { ^a aeee^|^ ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-{|^ha^-|^ha^-|^ha^|}}|^ha^-|^ha^-|^ha^-|^ha^-|^ha^-|}|^ha^-|}|}}}}}}}}}}}}}}}}}}}}}}}}$



85B: 9F°



 $\begin{array}{l} U] ^{\ \ } = & \hat{A} \otimes \hat{A} \otimes$

K5FB-B;



 $T[\ , \acute{A}_i \} | ^ \acute{A}_i \acute{A}_i] ^ \acute{A}_i \acute{A}_i] ^ \acute{A}_i @ | ^ \acute{A}_i | ^ \acute{A}_i @ | ^ \acute{A}_i | ^ \acute{A}_i @ | ^ \acute{A}_i | ^ \acute{A}_i | ^ \acute{A}_i @ | ^ \acute{A}_i | ^ \acute{$

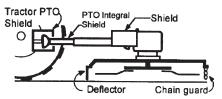
85B: 9F°





85B; 9F°





85B; 9F°



V@ Ál cæða * Álædo Ál -Ás@a Ál æ&@a ^Á@æç^Áa^^} Áå^• å } ^ å Áæd å Áæ^• c^å Ál ¦ ¦`**^åÁ•^ÈÁAP[、^ç^¦ÊÁc@^Áà|æå^•Á&[`|åÁæāÁÁ][}Áā[]æ&cÁ,ãc@Á@\æeç^Ê. • [| aa Á à b & o Á ` & @ Á o ca Á ` ca Á ` ad á Á a d o Á d ` & c \ ^ • ÈÁÚ ` & @ a i assoks[| aksæ• • ^ ks@ ka | [\ ^ } kj a b so• ka ka ^ ks@ [, } kj c, æ å kæ kç^ | ^ ā b ' ÊÁ ' Á Ç^ } Á a^ æ@ÊÁ ^ Ç^ ' Áæd|[. Á @ Á& coā * Áa | æå ^ • Áf Á& | } cæ& ó Á * & @ [à• cæ&|^• ÈÁÁUI O/6+

K5FB-B: °



Ò¢d^{ ^Ásæh^Án @ ` |åÁsh^Ásæh^} Á, @ } Á,] ^ | æsē] * Á, ^æhÁn [• ^Án àbh & o• Á ` & @ æ Át¦æç^|ÊÁ[&\•ÊÁ,ã^ÊÁæ) åÁ(c@\¦Áå^à¦ã ÈÁÁQ•]^&cÁc@ Áæ;^æÁà^{¦^ { [_ ā, * ÞÁÐ[¦^ā* } Á, à b \ & o Á @ | ` | å Á à \ Á \ { [ç \ å Á ¦ [{ Á c@ Á ã \ Á [Á, ¦ \ ç \ } c { acs.@a, ^Aaa{ act ^Aaa} atD | Aa [aa Aa, b | ^A, l A c^} Aa acc@ACC; ^A, ab &c Ac@ec &aa}}[oÁa^Á^{{ [ç^åÁ|~ • oÁa^Á&|^æd|^Á| æd\^åÁæa}åÁ&æd^~~||^Áæep[ãa^åÁàa^ c@^Á;]^¦æq[¦ÈÁÁÛq[]Á;[;ā;*Áā[{^åãæe^\|^ÁāÁÁà|æå^•Á;dã^ÁæÁ;¦^ã}} [àb/8cdÀÁÚ^]æafÁæd|Áåæqíæt^Áæð;åÁ;æð.^Á&^¦cæð;Á[q[¦Á;¦Áà|æå^Á&æd¦ã\¦Áãr àælæ} &^å/a^{\frac{1}{2}} \A^{\frac{1}{2}} \A^{\frac{1}{2



K5FB-B: °



Taa)^Ásaada?\åÁràb%&o•ÉÁr~&@Ása•Á;ā^ÉÁsaaà|^ÉÁr]]^ÉÁr¦Ás@aaā;•ÉÁsaa)Áà^&[{^ ^} caa) * |^ å Ág Ág Ág Áj ^| aæa] * Áj æðo Áj -Ág@ Áj [_ ^| Á@ æå ÉÁV @ • ^Ág { • Ág | ` | å 0@} Á, ã, *Á, *O ão Ás@ ÁQ * • ã, *ÁsæÁ ¦ ^æ A ¦Áç ^ [[&ãæð • Ás@æ) Ás@ Ás æå ^ • ÈÁÚ * &@ ^ç^} Áå^æœ@ÀÁQ•]^&6Ás@^Á&`ccā;*Áæ4^æÁ;¦Á^`&@Á;àb^&o•Áà^-;¦^Á;[;ā;*È Ü^{ [ç^Áæ}^Áã^Áà AÁà à bh & Á¦ [{Ás@ Áãc ÈÁÞ^ç^¦Áæ|| Ás@ Á&`ccã;*Áa|æå^•Áf &[] cze\$c4 &@\$£^{ • È4*UI O/8+

K5FB-B: °



T[, ÁsepÁc@ Án]^^åÁs@epÁ[`Ásaa) Án æ^|^Án]^¦æe^Ásab) åÁs[}d[|Ás@ Áslæsko[¦Ásab) å { [¸^¦ÈÃÁÁÛæ^Á; [¸āj*Án]^^åÁå^]^}å•Á;} Æo^¦¦æājÁ&[}åããaj}Áæ)åÁr¦æ••Áĉ]^Ê å^}•ãc ÊÉe) åÁ@ ã @Á, Á& cÉÁMÞ[¦{ æþÁt|[*}åÁ]^^åÁæ)*^Áæ Á¦[{ Á∈Ág Á Á;] @È åãa&@•Êá|[]Ë; -•Êá, ç^|@ æå, fá à•d*&aã} •Êá, [^|Aá, ^•Êá, |A, @} Aá^à|ã Áæ) å -{ | ^at } At a b 80 Ase Ase At As Ase [as ^ a EA o /9+

K5FB-B: °



OTç[aãnÁ, [¸ā]*Á5],Á^ç^¦•^Ásaā^&cā[}Á,@}}Á,[••âa|^ÈÁÁÔ@~&\ÁqfÁ;æè^Án`¦^ c@\^Áad^Á,[Á,^\•[}•Áa^@a, åÁo@Á,[, ^\Áad) åÁ.•^Ár¢d^{ ^Ásad^Á, @} {[¸āj*ÁgÁ^ç^¦∙^ÈÁÁT[¸Ág}|^ÁœÁœÁ|[¸Át¦[ˇ}åÁg]^^åÁ¸@^¦^Á[˘Á&æ)Á;æ^|^ []^|æe^kæq å.k%[}d[|Ás@^kd;æ&d;|Ásæ}å.k¼[_^|EXMXP^ç^|A;[_Asæ}åsæ4^æx4k@æeA[]` @acc^Á,[cÁs-]^&c^åÁse)åÁ^{ [c,^åÁs^à|ãA,\Á;\Á;\^ã}A, æc^\ãæbÈÁÁ,o/:+

K5FB-B;



Ö[Á,[ơÁ,ˇơÁ@;)å•Á,¦Á^^ơÁ}å^¦Á,[¸^¦Áå^&,•ÉÁÓ|æ;å^ÁÔ[}æ;å^ÁÔ[]cæ&óÁ&; Á^•`|c •^|a| * A| b| |^A| |A| c^^| A| ae@AMAUce Ae e A| ca/Ae|A| [ca| A@e AA d] | ^aAe ae A| ca/Ae|A| [ca| A@e AA d] | ^aAe ae A| a



85B: 9F°



Ü^] |æ&^Áa^} ơÁ; ¦Áà;|[\ ^ } Áà|æå^Á; ão@Á,^ , Áà|æå^• ÈÁÞ ÒXÒÜÁŒVVÒTÚVÁ/U ÙVÜŒŨPVÒÞÁJÜÁY ÒŠÖÁJÞÁÓŠŒÖÒÙÁÌŒÔÒÁ/PŒÌÁY ČŠŠÁŠCSÒŠŸ ÔÜCTÔSÁJÜÁJVPÒÜY QÌÒÁÖCT CTĐÒÁ/PÒÁÓŠCTÖÒÁ/Y QYPÁÙWÓÙÒË ÛWÒÞVÁZOEŠWÜÒÁQEÐÖÁÚUÙÙÓŚÒÁÙÒÜOJWÙÁÞRWÜŸÁZÜUT Á/PÜUY Þ ÓŠŒÖÒÙÉÁ**UI O/32+

Ùæà^¦ÁÛæ^cÂÛ^&cãi}ÁMFÊ

K5FB-B; °



Ö[Á[ÓÁ [Á ãc@Ác [Á æ&@]^•Ág Ác@ Áæ ^Áæ^æÁ\¢&^]óÁ ãc@ÁÓæàÁdæ&d;+• . ão@Ás@^Á, ã, å[. • Á&|[•^åÆ∰Áπο/33+

85B: 9F°



Ü[czeł^Áce) å ÁO[æājÁT [_ ^¦•Áce}^Á&ze] æà |^Á;} å^¦Áceåç^¦•^Á&[; å ãcā];}•Á;~ c@[ā, *Á, à b^&o-Á; ¦Á; |^ æcÁsā œa; &^•Á;F€€Á æbå•Á; ¦Á; [¦^ DÁsa; åÁ&æĕ•ā; * GHCD'ACK =B; '= 'D5 GG9 FG6 M5 F9 'K +K=B'%\$\$'M5 F8 G'I B! @9 GG.

Ë21[}oÁsa)åÁÜ^ædÁÖ^-∤^&o[¦•Ásd-^Á§i•cæd|^åÁsa)åÁsiÁt[[åÊ ●िहरू

ËT[_^¦ÁR^a@åÁ§aÁ`}}āj*Á&l[•^ÁqfÁæ)åÁjælæl|^|ÁqfÁœ@Á*¦[`}å Á₩₩₩₩₩₩ ãc@ `cÁ\¢][•^åÁÓ|æå^•L

ËÚæ•^¦•à^Áæd^Ái*œãã^Áœ@Á\¢ãœã*Áœ@[]}Ëàb%&Á[}^L ËCELÁSch^æ-Á@æc;^Ásh^^}Ás@[¦[**@[Ásj•]^&c^åÁsc)åÁsc)åÁsc)Áj¦¦^ã} ####@æ Áà^^} Á\^{ [c^åÈ

ÞUVÒKY @\^Ás@\^Ásd^Át¦æ•Ásd}åÁ, ^^å•Á@t @Á\}[* @Át Á@å^Ás^à¦ã; c@andÁSI ˇ |åÁsà^Án dˇ &\Ásî^Ás@ Ási|æså^• ÉÁs@ Ásch^æáh @! ˇ |åÁsi^kÁsi Ë •]^&c^åÁse)åÁpet*^Ás^à¦ãrÁ^{ [ç^åÊÁ[[^åÁsecÁse)Ási;c^¦{ ^åãsec^ @^at@EAB_•]^&c^a^&\[•^|^Á, ac@Aab}^A^{ aaB_a, *Aa^a\a`a`Aa^a, *A^E



85B: 9F°



W•^Ár¢d^{ ^Á&aĕ cãi} Á, @} Á aæãã ã * Ás@ ÁT [_ ^¦Á@ æå ÈÁÚd] Ás@ ÁÓ aæå^• @\$R.@Á\$\\^æe^• ÁæÁ\[e^\} @#e|^ Á\^\ a] ~ • Á@e æ\a Áæ) a Á&æ) Á&æ • ^ Á\^\ a] ~ • ā l b' | ^ Áa ^ Áa à loh &c+ Ác@[_ } Ár[{ Ác@ ÁÓ|æå ^ + Áa | Áà ^ Á&[} cæ&cÁ, āc@Ác@ ÁÓ|æå ^ • È

85B: 9F°



Ó^Án; ælað&`|æl|^Á&æl^~`|Ás; Ádæ)•][¦dÀv@^ÁT[_^¦Á@æ•Álææi^åø@&A^}¢^\ [-Á-læcac Át-lÁc@ Átæ&d: lÁc å å Á@é Át &l^æ^å Ác f. • an atac Át -Át c^lc Á Ác l æ) * |^ ÈÁÛ|[, Áå[, } Á[* @Á | Á } ^ c^} Á* | ~æ&^• ÉÁAo/5+



K5FB-B: °



b^ç^¦Ã5^æç^Áo@^Á([, ^¦Á;}æcc^}å^åÁ, @4^Áo@^Á@^æåÁ; Á4, Á5@^ ¦æãn^å ÁÑ, [•ãcãi} ÈÁÁV@^Á; [, ^¦Á&[ĭ|å Áæd|Á&æĕ•ā;*Án^¦āiĭ•Áā; bੱ¦î d[Áse)^[}^Á, @[Á, āt @Ásp æåç^\c^}d^Ása^Á}å^\Ás@^Á, [\%\



K5FB-B: °



V@Aic (coex) *Aic (coex) *Ai@œn Áà^^} Ác`¦} ^å Ár ~ÈÁÁ/ @^Ái] ^¦æe[¦Án @p`|å Án^{ ææ] Á§ Á@æn Án ^æeÁ;¦Ái€ •^&[} å•Áæe?¦Ás@Áà¦æà^Á@æÁà^^} Á!^^DÆs@ÁÚVUÁàãa^}*æ*^åÆs@Ádæ&d;¦ c';}^å/ni ~ £2500) å/a500 (Arcana^) & An An (caeani) Accee As Arce As £2000/7+



Ü^|ā^ç^Á@ 妿ĕ|a&Á;¦^••ˇ¦^Á;¦ã¦¦ÁfÁå[ā;*Áæ}^Á;ææā;c^}æ;&^Á;¦Á^]æaā [|\ Á, } Ác@ ÁQ] |^{ ^} ŒÁÁÚ|æ&^Ác@ ÁT [_ ^| ÁP^æåÁ; } Ác@ Á*; [` } åÁ; | •^&`\^|^Á`]][\c^åÁ;}Áà|[&\•Á\Acæ)å•Êåã^^}*æ*^Ác@AÚVUÊæ)åÁč\} [~Ás@^Á^}*ā]^ÈÁÚǐ•@Áse}åÁ[`||Ás@^Á&[}d[|ÁŠ^ç^¦•Á;|ÁR[^•œ&\Á^°ç^|æ| [|\ **EXXXX**UDO/8+

85B: 9F°



Off, æ • Á ^ ^] ÁæÁ&æ ^ ~ |Á|[| [` Óæ) å Á • ^ Á ¢ d ^ { ^ Á&æ ^ Á @ } Á [¦ \ ā * æ[ˇ}åÁşç^¦@-æåÁşà•dˇ&cā[}•ÊÁ\$p^ç^¦Áæ|[,Ás@-ÁT[,^¦Á@-æåÁş¦Áà[[{ ão@ajÁn€Á^^oÁ; Ása)^Áj[、^¦Ája,^ÈÁY @}Á,[¦\āj*ÁsJ[•^Áq;Ájç^¦@>æåÁj[、^¦ | a ^ • ks[} • ` | cÁ [` | kÁ | ^ 8ct a 8ks[{] a } ^ Á[| kázá a æ^ ks[å ^ kj - kj] ^ | æati } È



85B: 9F°



Y @ }Aéaa}•][¦ca}*ÁÓ[[{AÍT[¸^¦Áp}AéaÁci*& \Áp¦Aácaa‡^¦ÉÁc@ Á@ af@Aþ¦Á, aãc@ ▽∠∠∠////// { æ Á ¢ & ^ å Á ^ * æ Á ã ã • Á @ } Á @ } Á @ Á [[{ Á ā Á ā Á 6 @ Á d æ } •] [¦ o Á [• ã ā] È Ô[}cæ&cÁ, ão@Áãa^Á;¦Á;ç^¦@:æåÁ;d`&c`¦^•Á;¦Á;[,^¦Áã;^•Á&æ)Á&æ;é^.];[]^\c^laae ae*^Ai\A^\iai`•As b`\^Ai\Aa^ac@ZXXQA^&^••ae^Ai[_^\As[[{ As ¦^å &^Á@ ã @Áa) åЦÁ^{ [ç^Á; [¸ã, *Á@ æåÁ;Á^å &^Á¸ãàc@Á;Áo@ Á^*æþ lã ão ÉÁUDO/:+



85B: 9F°



Þ^ç^¦Áj]^¦æe^Ás@^Á/¦æ&q[¦Áse}åÁT[_^¦ÁN}ãnÁ,ãnQp *oÁse}ÁUÚÙÁQU]^¦æe[¦• Ú¦[c^&cãç^ÂÛd`&c`¦^DÁ;¦ÁÔæàÁ[Á;¦^ç^}cÁş|b`¦^Á¦[{Á;àb^&c•Ác@[_}}Á;[{ *;[`}åÁ;!Á;[{Á;ç^;@æåÁ;ã;{ã;*È∰Ûd;]Á;[¸ã;*ÁšÁ;[;\^;•Á;¦Á;æ••^;•à` æt^Á ão@Á§ ÁF€€Áætå• ÉÁUDO/;+



85B; 9F°



Š^-aÁJ^ ædÁY @^|Á(ઁ•oÁ@æç^ÁæÁ(ãjā[ઁ{ Á(-ÁFÍ€€Á,[ઁ }åÁ&[}cæ&oÁ,ão@Ás@ • ` | ~ 2080 kg Á | ^ ç^ } oÁzeo | 20 kg • coa ãão Áse à Á | • • ãa | ^ Ása Ë ç^ | Á @ 8 @ Kg ` | å ¦^• `|œấg Á;^¦āj`• Áà[åāj`Áāg b`¦^Á;¦Án;ç^} Áå,^ææ@ZZÁÁÁÁY ãã,^} Ás@^Á, @^^|Ás!^æå Ô`•d[{ ^\AÙ^\care a&^AaA[`A,^^aAae•a~aa\&^A, ao@\Ô[`}c^\.^at@c



85B: 9F°



Off, æê•Ásãa8[}}^8cÁc@^Á, ã^Á^æå•Á¦[{Ác@^Á;[, ^¦Á;~{]Ác[|^}[ãa ,[|\ā,*,Á,}Áx@^Áv|æ&d;|Á,|ÁT[,^|ÈÁÁv|æ&d;|Áx,**å,^Á,**oÁà^Á,d[]]^å åã{ ^{ à^{{ }}{ }} (^} dà b |^ Á l Á A ac QÃ vudo/34c+



85B: 9F°



V @ Á | æaják& cc^ | Á @æcó≦n Áso^• āt } ^ å Á | I Á cæ) å æbå Á | cæcaji } Á G æ € ^ ¦[cæeā[}Àæe Ás@ Áslæ&c[¦Á, @^^|•Áå°¦ā]*Á[¦ æ+åÁslæç^|DBÄYjYf`cdYfUhY`h\Y With Yigh Uzhi]bih Yifyi YfgYifch Uhicb'U] ^læ@i * Ás@i Á [_ ^lÁs Á^ç^l•^ | [cæaa] } Ái æ Ásæ • ^ Ái à b'so Ái Ás ^ Ás@ [] Ài ~ Ós@ Á; [} Ói ~ Ás@ Ái [. ^ ; @aaaiÈ



K5FB=B;



Ò} * ⏠^ ÁÒ¢ @eĕ • dḖ́́́́• [{ ^ Á¡ -Ásōr ÁS[} • cãč ^} o• ÉÉse} å ÁS\ | cæēj ÁS[{] [} ^} o• ÁS[} cæēj Á; | Ár{ ác &@ { ã&æþ• Ár} [¸ } Á[Ác@ Ár cæer Á; -ÁÔæþã[|} ãæÁ[Ásæĕ • ^ Ásæb; &\ | Ásej å Ásiā c@Á; | Á; c@ | Á\^] |[å * &cãç ^ @eb{ È

K5FB-B: °



Óænc^¦^Áj[•o•ÊÁc^¦{āj æḍ•Áæ}åÁ^|æe^åÁæ&&^••[¦ãv•Á&[}œæ]Á^>æåÁæ)åÁ\æåÁæ]åÁ\æåÁ&[{][`}å•Ê &@{ā&æţ•Á}[]}Á(Ác@Á•œæ^Á;ÁÖæjÃ;¦}āæÁ(Á&æě•^Á&æ)&^¦Áæ)åÁàāc@Á;¦Á;c@∘¦Á^]¦[å*&æãç^ @æ{ĒÁÁKUg\`\UbXg`UZhYf`\UbX]b[°



±b`UXX]li]cb`lc`l\ Y`XYg][b`UbX`WcbZ[i fUli]cb`cZl\]gʻ=a d`Ya Ybhž]bWi X]b[`GUZYlmiG][bg`UbX`GUZYlm 9 ei]da Ybhž\ UnUfX`Wcblfc``UbX`UWW]XYbhidfYj Ybh]cb`UfY`XYdYbXYbhii dcb`l\ Y`Uk UfYbYggž WcbWffbž dfi XYbWfžUbX`dfcdYf`lfU]b]b[`cZdYfgcbbY`]bj c`j YX`]b`l\ Y`cdYfUli]cbžlfUbgdcfhž a U]bhYbUbWfž UbX`glcfU[Y`cZl\ Y`a UW]bY"`FYZYf`U`gc`lc`GUZYlmiA YggU[Yg`UbX`cdYfUli]cb]bglfi Wl]cb`]b`YUW `cZl\ Y`Uddfcdf]UhY`gYWl]cbg`cZl\ Y`H fUWcf`UbX`9 ei]da YbhAUbi U`g"`DUm WcgY`UhYbljcb`lc`l\ Y`GUZYlmiG][bg`UZ]I YX`lc`l\ Y`HfUWcf`UbX`9 ei]da Ybh'Áyō#i □



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











- 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 passers by and especially children
- 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.
- Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, and Ear Plugs are recommended.
- 4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain that area is clear before lowering or folding.
- 5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding implements. Slow down when turning and on hillsides.
- Install "Restrictor in folding circuit to slow down lowering and unfolding if action is faster than is desirable.
- 6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.
- 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 form 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.









€EÏŒÍÏIÎ ÁÁÁÁ DÁ DÓ DÁJ ØÁÔŒÓ

€€GHÎ J

*Á*ÁR ŸÖÜŒVŠŒÁVĒS

ÚŒÜVÆUÈ ŠUÔOF/OJÞ



THROWN OBJECTS







KEEP AWAY - ROTATING BLADES

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

- Stop mowing if passersby enter the area of thrown objects (See Operator's Manual).
- Use special care 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.

€€ÏÎJÏHÏ XXXXX UY ÒÜÁÖÒÔS

Ùæà^¦ÁÚæ^cÂÚ^&dã}}ÁÁFËFG



ÚŒÜVÁPUÈ ŠUÔŒVOUÞ

€€ÏÍÌFJI ///////TUY ÒÜ/ÄÖÒÔS



€GJÎGÏÎI ÆWWWWT OEDÞÁÓUUT ÉÁÙÒÔUÞ֌ܟÁOUUT ÉÁT OÆDÞÁØÜŒF Ó



€GJÎGÏÎÍ ÆWWWTOEDÞÆØÜOETÒ

€GJÎÍGÎG ÆWWFŸÖÜŒEVŠÓÔWOE⊳S

A DANGER

ÚŒÜVÁPUÈ ŠUÔŒVOUÞ

CUTTING BLADES





€GJÎÏÎÎÌ ÆWWYTUYÒÜÆÖÖÔS

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.

/XXXXPŸÖÜŒVŠÓÓXIŒS

CAUTION
WATCH YOUR
STEP

€HG€€GÌÍ ÆWWWÙÖÖÒÁUØÁÔŒÓ

€GJÏ FFGH

POLYCARBONATE WINDOW

REFER TO OPERATORS MANUAL FOR CLEANING INSTRUCTIONS

DO NOT LUBRICATE WITH AUTOMATIC GREASE GUN. GREASE WITH HAND GREASE GUN ONLY.

CGÌ HJ ÁMAT UY ÒÜÁÖÒÔS

Ùæà^¦ÁÛæ^¢ÂÛ^&æã;}ÁÁFËFI

P/N22839



ÚŒÜVÁPUÈ ŠUÔŒ/QJÞ

GGÌI€ (AMAÇOĞÜ «DAMA)

WARNING

INSPECT REAR FLAP FREQUENTLY TO BE SURE IT IS IN SAFE WORKING CONDITION. DO NOT OPERATE MOWER WITH FLAP REMOVED OR WORN.

24028

GI€GÌ ÆNTUY ÒÜÆÖÒÔS

GÍ HÌÏ ÆWIÆÙÖÖÒÁUØÁÔŒÓ



F€+Á¢ÁÍĚ+ HFÍGG TUYÒÜÁÖÒÔSÉATOEDÞÁÓUUT FÌÈÉÍ+Á¢ÁF€+ HFÍGH PŸÖÜŒNŠÓÔÁYOEÞS

Ùæà^¦ÁÙæ^cÂÙ^&cã;}ÆAFÉFÍ

ÚŒÜVÁPUÈ ŠUÔŒVOJÞ





HGIJ ##PŸÖÜŒNŠŒÓWŒS

A 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 BODITY 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 DN 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.
- 5 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



ÚŒÜVÁPUÈ ŠUÔŒVOJÞ

HGÏ€Ï ÆNYÖÜÜÖKNŠÓŌKIOTES

ATTENTION

SERVICE HYDRAULIC SYSTEM WITH UNIVERSAL TRACTOR HYDRAULIC OIL.

32708

HGÏ€Ì ÆWARYÖÜŒVŠÓÓWKŒPS

A CAUTION

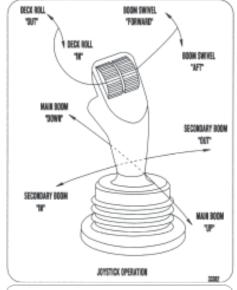
For your safety and to guarantee optimum product reliability, always use genuine TIGER replacement parts. The use of inferior "will-fit" parts will void warranty of your TIGER implement and may cause premature or catastrophic failure which can result in serious injury or death. If you have any questions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

2709

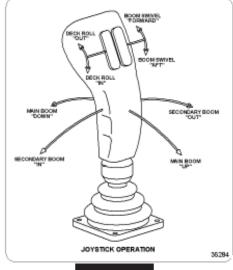
HGÏ€J ÆÆÐÙÖÖÒÁJØÆÔŒÓ

ÚŒÜVÁPUÈ ŠUÔŒVOJÞ

HHGGI ÆNT UY ÒÜÆÖÒÔS



HHH€G ÆÆÛÖÖÁJØÁÔŒÓ



HÍ CÌI ÁÁÁOÐ ÙOÖÒÁJØÁÔOÐÓ



HHI HÌ ÆWWT ŒÐ ÁÓUUT

Ùæà^¦ÁÚæ^cÂÚ^&dã}}ÁÁFËFÌ

A WARNING

WHEN CUTTING HEAVY BRUSH, BLADE AND BLADE BOLTS SHOULD BE INSPECTED EVERY FEW HOURS. IF ANY LOOSENESS IS NOTICED, BLADE BOLTS SHOULD BE RETIGHTENED TO THE SPECIFIC TORQUE SHOWN IN THE OPERATORS MANUAL. 33512.

ÚŒÜVÁPUÈ ŠUÔŒVOJÞ

HHÍFG ÁMADE Ù CÓ DÁU ØÁ Ô CHÓ

MOWING SAFETY TIPS

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



HHÏIH ÁÁÁCÐ ÙOÖÖÁJØÁÓCTÓ



IGHÍ€ ÆMTUYÒÜÆÖÒÔS



ÚŒÜVÁPUÈ ŠUÔŒVOUÞ ÜÒÖ IGHJJ ÜÒØŠÒÔVOXÒÁVŒÚÒ TUY ÒÜÁÖÒÔS



ŒT ÓÒÜ I GI €€ ÜÒØŠÒÔVQXÒÁVŒÚÒ T U Y ÒÜÆÖÒÔS

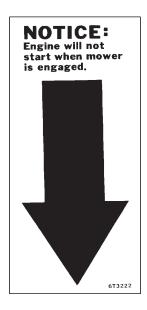


Î VHŒTÎ ÆMT UY ÒÜÆÖÒÔS



ÎVHQFJ ÁÁÁÓD ÙOÖÒÁJØÁÔOÐÓ

ÎVHGG€ ØÜUÞVÁÚWTÚÁTUWÞV



ÚŒÜVÁPUÈ ŠUÔŒ/QJÞ

Î VHCCG ÁWÁD ÙÖÖÒÁUØÁÔŒÓ



Î VHÇGI XXXXT UY ÒÜÁÖÒÔS



A DANGER

DO NOT OPERATE THIS EQUIPMENT WITHIN TEN FEET OF HIGH **VOLTAGE LINES!**

6T3225

ÎVHGÁ ÁWAÇÜĞÖĞAJØÁĞOĞÓ

WARNING

DO NOT OPERATE THIS EQUIPMENT WITH BYSTANDERS IN THE AREA!

ROTARY MOWERS HAVE THE INHERENT ABILITY TO THROW DEBRIS CONSIDERABLE DISTANCES WHEN KNIVES ARE ALLOWED TO STRIKE FOREIGN OBJECTS. OPERATOR CAUTION MUST BE TAKEN OR SERIOUS INJURY CAN RESULT.

ÎVHCH€ ÂWÂDÛÖÖÁUØÁÔOÐÓ

Ùæà^¦ÁÚæ^ċÁÚ^&cã[}ÁWFËGF



DO NOT START OR RUN WITH VALVES CLOSED. (SERIOUS DAMAGE WILL OCCUR)

ÚŒÜVÁÞUÈ ŠUÔŒ/OJÞ

Î VHGH #₩PŸÖÜŒNŠ®ŴŒÞS

A CAUTION

CHECK CRANKSHAFT ADAPTER DAILY FOR TIGHTNESS AND GROMMET WEAR

AS SERIOUS DAMAGE TO RADIATOR MAY RESULT FROM IMPROPER MAINTENANCE.

6T3234

ÎVHGH ÁMÁ LÀÓ CÓ Ú ĐÀMÀ



Î VH**GHÎ** AWWT UY ÒÜÁÖÒÔS

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.

IMPORTANT

- 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.

 61-3243

Î VHG H ANA DO CÓ LA PARA COMO PARA COMO PARA COMO PORTO PORTO

GREASING INSTRUCTIONS **CUTTER SHAFT BEARING**

GREASE EVERY 8 HRS. OR DAILY

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

Î VHGI JŒ ÁWWT UY ÒÜÁÖÒÔS

GREASING INSTRUCTIONS

GREASE EVERY 8 HRS. OR DAILY

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

ÚŒÜVÁPUÈ ŠUÔŒVOJÞ

Î VHQÎ F ÆWT UY ÒÜÆÖÒÔS



DO NOT OPERATE MOWER WITH SAFETY SHIELD REMOVED.

VÓF€FF ÆWT UY ÒÜÆÖÒÔS

0

0



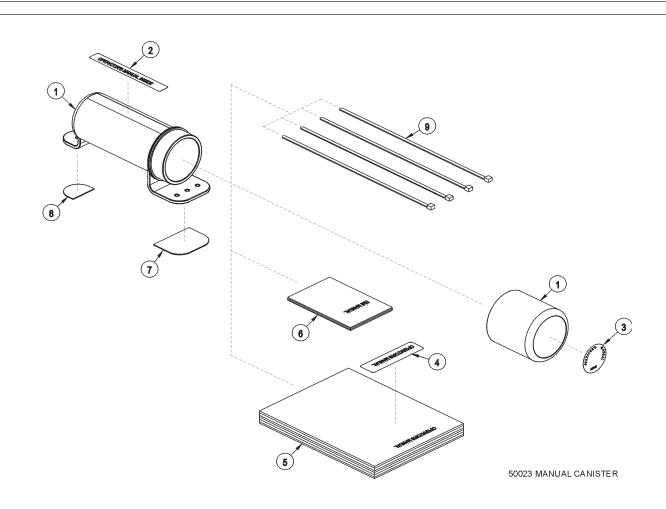
Tiger Corporation

800-843-6849 www.tiger-mowers.com

Description	Application	General Specification	Recommended Lubricant
Tractor Hydraulics	Reservoir	JD-20C	Mobilfluid ^a 424
Mower Hydraulics Cold Temperatures 0°F Start-up Normal Temperatures 10°F Start-up Normal Temperatures 15°F Start-up High Operating Temperatures Above 90°F Ambient	Reservoir	ISO 46 Anti-Wear/ Low Temp JD-20 C 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 1-800-662-4525.

Tiger PN 34852 O HIÌÍG ÁÁR ŸÖÜŒNŠŒĴÁVŒS



₩ 9A	D5 FHBC"	EHM'	89G7F±DH±CB
F G H)\$\$& €∄ Ï Î €IF H-IJ Ï	5J5 =@ F F E	A 5 BI 5 @ 7 5 B=GH9 F 7 C A D @ H9 ÜUWPÖÁT Œ WŒŠÁÔŒ ŴVÒÜ ÖÒÔŒŠÉŴPÒÒVÉM Œ WŒŠÁÔŒ ŴVÒÜ ÖÒÔŒŠ ÖÒÔŒŠ
i Î Ï Ì	/∰E HÏÍH H GJÎ H GJÏ Î VFÌ GH	E OEXORESS F F F I	OCOUS ÙÚÒÔØØĎÁÜÜUÖWÔVÁT ŒÞWŒŠ ÒÁT ÁÁĴŒÔVŸÁT ŒÞWŒŠ ØÜUÞVÁÆÖPÒÙŒÒÁÚŒÖ ÜÒŒÍÁÆÖPÒÙŒÒÁÚŒÖ ZÓJÁMÒÁTI +ÁŠUÞŐ

BCH9.

V@Á, æ) ˇæþÁsæ) ã ơ ¦Ásæ) Áà ^Áà[|ơ åÉÁ ḍ Áæð åÁ; ¦Áæå @¦ ^åÁq Áæð,æðæ? ć Á ~ e ˈ | ææð • ĚÁŠ[&ææ ÁæÁ, | [ơ &ơ å Áæb ~æÁ, ão @j Áæ Áçæð, ¼ Áœ Á;] ^|ææð Ø @} e ^| ĚÁT 5 | H=C B '! 5 J C=8 8 F = @@B; '< C ❷ G = BHC 'I B? BC K B '5 F 9 5 GæÁ, ã ^• Áæ) åÁ; c @|Á, æð Á; æ à ^Á[&ææ åÁà ^ @ð, åÁæ @ • ^Áæb ^ æ ÈÁY @} Áæå @|ḍ * Áæ Ææ) ã ơ '|Áq ÁæÆ * læð ^ É c @|[* * @ Ás/ æð, åææ Á Ææ Áæ Áæ æ æ / [| ^ Æø • æþ] å * Áæ Ææ) ã ơ '|È</p>

: 989F5@@KG5B8F9; I @5HCBG

 $V@s \acute{A} \wedge \&ca[] / \&s \acute{A} c^{*} a^{*} a$

9a d`cmYf!9a d`cmYY`CdYfUrcf'FY[i `Ur]cbg

WHÈ DÀU`à|B&ÁŠæ, ÁJFÉIJÎÁÇV@ ÁY ∄|Bæe(•ÉÜc^ã^ÏÁU&&`]æañ[}æanfi}æhÁP^æhc@ÁDBonfiÁFJÏ€DÁUÙPOE

H\]g'5 WhiGYY_g.
%HHq Áæ•''|^Ár[Áæ;Áæ•Á;[••āa|^Árç^\|^Á;[¦\ā;*Á;æ;Áæ;åÁ;[{æ;Ás;Áœ;Á;æāā;}Áræ^Áæ;å
@æ;c@'|Á;[¦\ā;*Ás[}åāāā]}•Áæ;åÅ(A;!^•^\ç^Á;`!Á@{æ;Ár^•['|&r-4]}

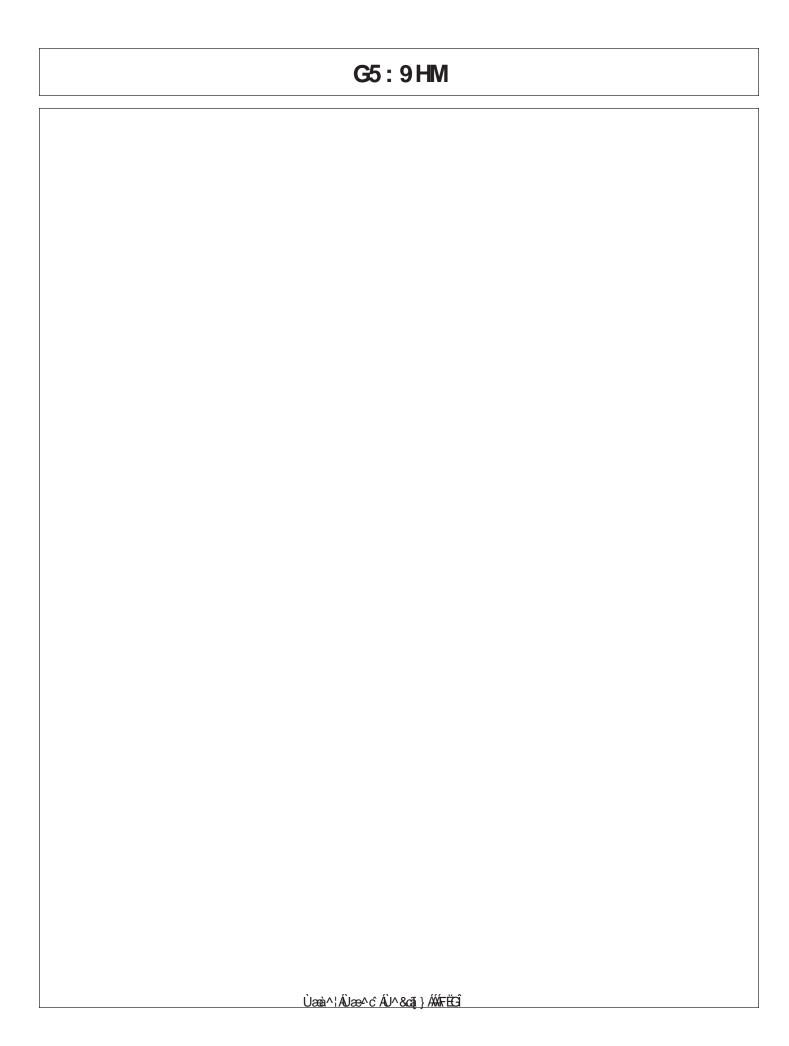
81 H⇒9 G

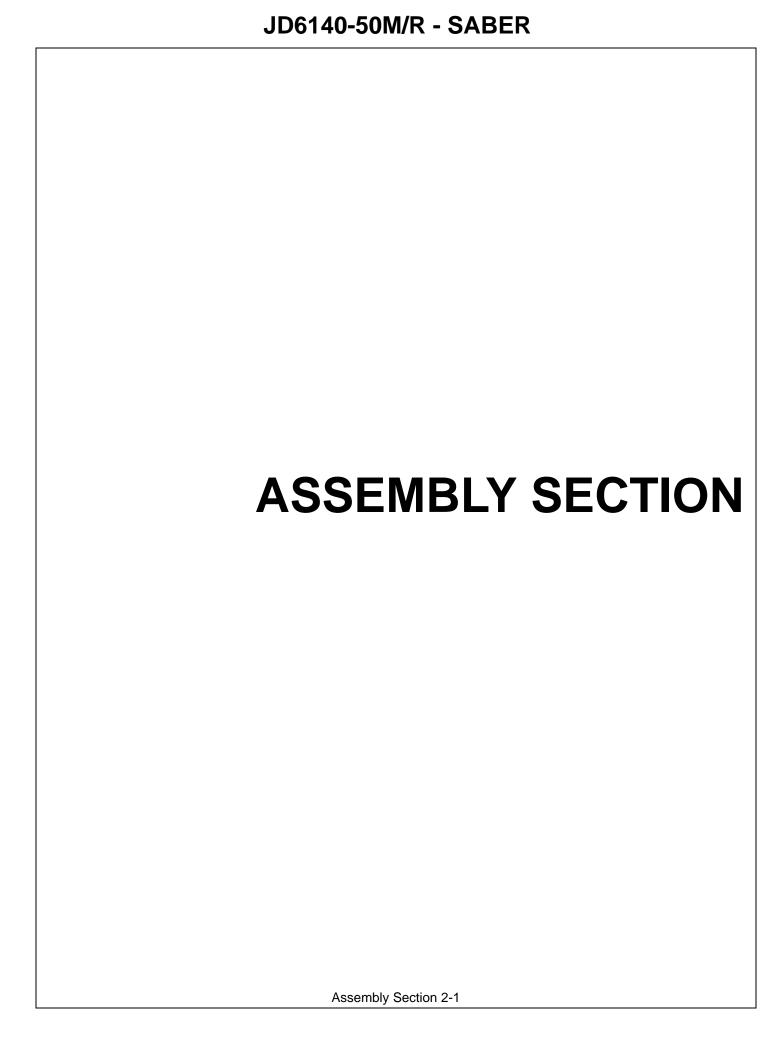
CG<5 FY[i`Uh]cbg
UÙPCEÁ^* | 2005] • Ár cæc^Ási Á, æd chÁthCúEcÁs@ Ásā; ^Ár Ási ãú ãud-Ásæ • ã; } { ^} cÁsæ) å Ásæá/ 2006 } * æd| ás • Ár cæc^Ási Á, æd chÁthCúEcÁs@ Ásā; ^Ár Ási ãú ãud-Ásæ • ã; } { ^} cÁsæá à Ásæá à Ár ^ ¦ çãsā; * [-Áse] Ár ^ ; ás@Á æð Ásæ Ási } [- ^^ Ási Ási ^Ási ç[|ç^ å È-

- Ά N° ã^Ás@æÁs@ ÁN{] |[^^Á/æåÁse) åÁ || îÁ } å^¦•æe) åÁs@ ÁN æ&a[¦Áse) åÁQ] |^{ ^} æÁU] ^¦æe[¦q Á;æ) ׿þÈ

- ÍÈÒ}•ˇ¦^Ás@Áv¦æ&d[¦ÆnÁˇˇã]]^åÁ¸ãn@ÁnÁˇ}&dā[}æþÁÜUUÚÙÁn;åÁn^ææÁn^jóÁn;åÁn^xæÁn^jóÁn;åÁn^xæÁn@æÁn@Án{]|[^^^ []^¦æg[¦Án^&ˇ¦^|^Áæ•ơ^}Án@Ánæ^c´Án^|óÁn;åÁn]^¦æz^Á¸ãn@Án@ÁÜUÚUÁn;Án@Áæãn^åÁ,[•ãnā[}ÁnæÁnd| cã[^•É
- ÎÈ Ø[¦àãáÁs@ Án{]|[^^^Á[]^¦æe[¦Áq[Á&æ+¦^Ásæååããã[}æ—þÁãá^¦•Áq}Ás@ Án¦æ&q[¦Áq¦ÁQQ]|^{^}dÈ
- ÏÈ Ú¦[çãå^ÁœÁ^; ã^åÁq[[•ÁqíÁ;æã;æã;ÁœÁ/æáq[¦Áæ;Áæ;åÁQ]]/{ ^}œÁ;ÁæÁ*[[åÁ;æ^Á,[¦\ã;*Áq[}åããq]}
 æ;åÁ;[çãå^ÁœÁ;^&ô;Á;^&^•æâ;Á;]][¦œÁs^çã&^•ÁqíÁr^&;¦^Ás@Á;*ä¸q;{ ^}œÁ;æ^|^Á,@ArÅ,^¦-q;{ ã;*Á^]æã•
 æ)åÁ^;çã&^È

Ù[{ ^Á^* `|æaā[}•Án]^&ē^Áo@æaÁ,[Án}^Á`}å^¦Áo@Áæð^Án,ĀnÎÁ,æêÁ,]^¦ææ^Án[¸^¦Á;æ&@ā^!^ÉÁQÁáæÁ[`¦ ¦^•][}•ãnāācôÁgÁ,}[¸Á,@æaÁc@•^Á^*`|æaā[}•Áæð^ÁngÁ[`¦Án¸}Áæð^æán,¦Ánācŏæaā[}ÉÁQÜ/^△¦ÁgÁMÈÙÉÄÖ^]dĚA,~ Šæàn[¦ÉÁÒ{]|[^{ ^}oÁÙææ)åæðåÁOTā{ājārdææān;}ÉÁYæð^ÁnSÁP[{ ^ÁÖāçãrā[}ÉÓ@AåÁŠæàn[¦ÁÓ`||^cājÁÀF∈GÈD





ASSEMBLY

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

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

▲WARNING

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

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

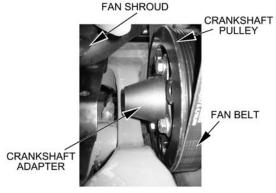
TRACTOR PREPARATION

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

(ASM-JD-0001)

CRANKSHAFT ADAPTER

If necessary, remove the four capscrews from the crankshaft pulley. Then install the crankshaft adapter to the pulley with capscrews and lockwashers as shown in the Parts Section. (ASM-JD-0051)



ASSEMBLY

FRONT CRANKSHAFT PULLEY

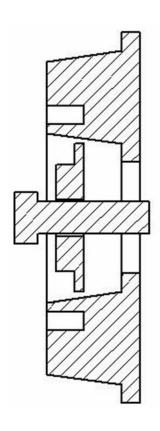
Tiger has found that the front crankshaft pulley used by John Deere will not allow for the installation of a front drive system. You will need to order a different pulley, washer and bolt from John Deere to allow for a front drive to be installed on your tractor.

Inspect the front pulley on your tractor to verify you have the correct pulley needed to mount the spacer plate. If your pulley has the (4) four holes needed to mount the spacer, your pulley is the correct one needed. If your pulley does not have the (4) four holes in the pulley, you will need to order the correct pulley, washer and bolt from John Deere.

PARTS REQUIRED TO PURCHASE FROM JOHN DEERE:

Pulley from JD - R516320 Washer from JD - R517237 Bolt from JD - R516648 Torque on the pulley bolt with Loctite is 369 lb-ft.





Solution:

- 1. Clean nose of crankshaft using TY16285 clean and cure primer.
- 2. Apply a light 2-3mm bead of TY15969 retaining compound around the leading edge of the crankshaft nose.
- 3. Dip damper mounting capscrew in clean SAE30 engine oil (Always use a new capscrew).
- 4. Position damper/pulley on the crankshaft and thread capscrew up tight (do not rely on the capscrew to pull the pulley straight onto the taper).
- 5. Tighten capscrew to specification 500Nm (369lb-ft) (the engine will most likely have to be pinned).
- 6. Measure run-out on the pulley, spec is 0.003" or less.

(ASM-JD-0080)

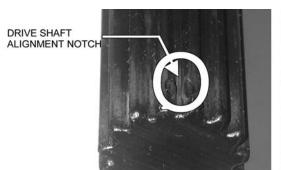


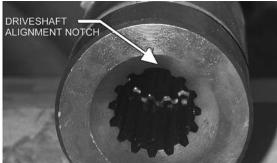
ASSEMBLY

DRIVESHAFT AND FRONT PUMP MOUNTING

Remove bolts from radiator unit and lift unit to a sufficient height to allow room for installation of driveshaft. Remove and discard plastic sheet from floor of engine compartment. Install spacer plate on tractor engine using bolts and lockwashers as shown in Parts Section. Grease sleeve section of the driveshaft and install from the side of the engine compartment. Once you have the sleeve section in place, bolt to spacer plate using bolts and lockwashers as shown in the Parts Section. Install shaft end of driveshaft through opening and into driveshaft sleeve. Shaft and sleeve yokes should be aligned. If shaft does not insert easily in sleeve, turn shaft 180° and then install. Align the notches on the shaft and yoke tube as shown in picture below. Shaft end must be installed in correct orientation, failure to do so may result in damage to tractor and/or driveshaft. After installation of shaft end, install pump mount. Next, install pump. After pump is secured, install driveshaft in to pump shaft. The end of the driveshaft should be no more than 1/2" away from contact with pump housing. Tighten crimping bolt on driveshaft. Lube driveshaft and check all hoses, flanges, the pump, pump mount, driveshaft and mounting plate to ensure all fasteners are tightened before operation. Lower radiator unit and replace bolts.

CAUTION: DO NOT START THE TRACTOR UNTIL ALL HOSES ARE ATTACHED, TANK IS FILLED WITH PROPER OIL AND BALL VALVES ARE OPEN! STARTING AT THIS TIME WILL CAUSE SERIOUS DAMAGE TO THE PUMP. (ASM-JD-0243)





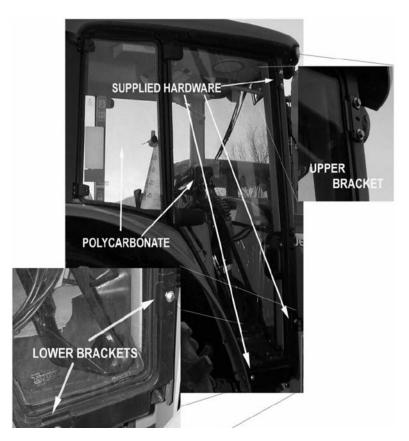
ADJUSTING REAR WHEELS

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

POLYCARBONATE SAFETY WINDOW

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

- 1. Disconnect gas shock at door. Remove the right side cab door/window glass from tractor cab by removing hinge pins. Also, remove rear right side window.
- 2. Remove the existing hardware and discard factory glass door and window.
- 3. Place small bead of adhesive seal in the bottom of the trim lock bubble seal.
- 4. Install trim lock bubble seal on polycarbonate starting at the center bottom horizontal portion.
- 5. Install existing hardware removed from glass door and window on the polycarbonate.
- 6. Install the polycarbonate assembly in the cab with existing and supplied hardware.
- 7. Place the retaining brackets on the upper front and lower front (if applicable) of the cab door/window with the 8mm capscrews.
- 8. Place the last bracket at the bottom of the door by the fender as shown in the illustration below. Hold the bracket in place and mark the door jam.
- 9. Drill a 21/64" hole in the door jam for the 5/16" capscrew and mount the bracket.
- 10. Install the right rear poly window into place where the factory window was removed (if applicable). (ASM-JD-0052)



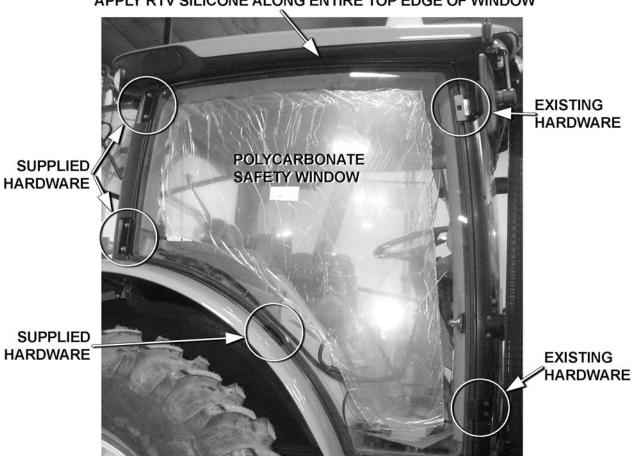


PANORAMIC POLYCARBONATE SAFETY WINDOW

NOTE: Installing a boom mower requires that all of the right side windows be replaced or protected with a polycarbonate window. This should be done before mounting the mainframe. John Deere R series tractors require a panoramic safety window.

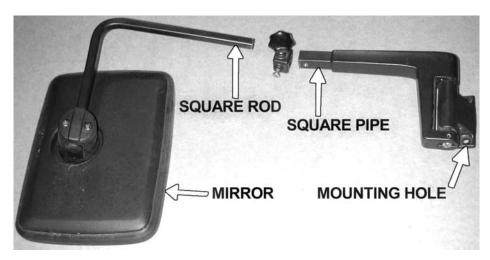
- 1. Disconnect gas shock at door. Remove the right side cab door/window glass from tractor cab by removing hinge pins.
- 2. Remove the existing hardware and discard factory glass door.
- 3. Place small bead of adhesive seal in the bottom of the trim lock bubble seal.
- 4. Install trim lock bubble seal on polycarbonate starting at the center bottom horizontal portion.
- 5. Install existing hardware removed from glass door and window on the polycarbonate.
- 6. Install the polycarbonate assembly in the cab with existing and supplied hardware.
- 7. Place the existing and supplied retaining brackets on the upper and lower front and rear of the panoramic cab window.
- 8. Locate the third fender screw from the bottom and place the retaining clip between the fender and the cab.
- 9. Apply RTV silicone liberally along the entire length of the top edge of the polycarbonate safety window. $(JD-0052_pan)$

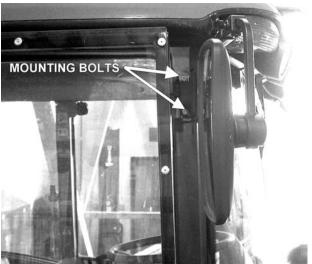
APPLY RTV SILICONE ALONG ENTIRE TOP EDGE OF WINDOW



SIDE MIRROR MOUNTING

Disassemble the right side mirror bracket. Cut the square rod and pipe (shown in picture below) 6-1/4". Assemble them together. Mount the right mirror bracket and hardware on the upper right corner of the tractor cab as shown in picture below. Refer the Parts Section-safety screen, cab for hardware details. (ASM-JD7220-0001)





MAINFRAME INSTALLATION

With an overhead hoist and / or jack-stands, raise one side of the frame up to the correctly matching mounting holes. Install capscrews and other hardware to secure the sides of the mainframe to the tractor casting, as shown on the tractor mount kit page in the Parts Section. DO NOT tighten at this time. Remove the capscrews one at a time and apply a thread locking agent. Reinsert the capscrews and tighten / torque to values noted in the torque chart located in the Maintenance Section of this manual. (ASM-C-0003)



SWITCHBOX WIRING

Power for the switchbox is accessed through the port located on the right rear of the cab. A John Deere plug is used, part number RE67651. DO NOT connect the plug to the cab port until the wiring is completed. The wires in the plug are colored RED, BLACK and ORANGE. The RED wire will always be hot, so it needs to be capped. Attach connector 34538 to end of RED wire and tape wire back on itself. The BLACK and ORANGE wires are hot when tractor key is turned to "on." Connect the BLACK wire of the plug to the BLACK wire from the switchbox. Then connect the ORANGE wire of the plug to the RED wire from the switchbox. IMPORTANT: In some cases the red and orange wires may be switched. ALWAYS test the wires to be certain which wire is which.

The two GREEN wires must be connected to the neutral safety wire by cutting the neutral safety wire and connecting one GREEN wire to one end and the second GREEN wire to the other. Refer to the switchbox schematic and wiring diagram for additional information.

The Neutral Safety wire is a brown wire located under steering column. Cut a slot in the right side of column to access, WATCH OUT for existing wires.

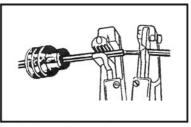
After connecting the power to the switchbox, route the white wire along the cables or wires to the solenoid valve. (ASM-JD-0245)

WEATHER-PACK / METRI-PACK ASSEMBLY

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

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

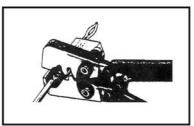
(ASM-C-0009)



1. Apply seal to cable, before stripping insulation.



2. Align seal with cable insulation.



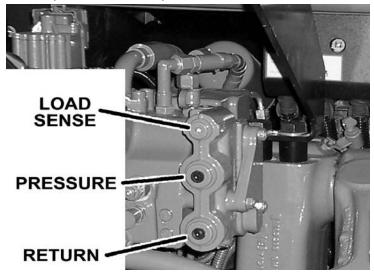
3. Put terminal in crimping tool, then position wire and seal in place.



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

HYDRAULIC PORTS

These ports are located at the rear of the tractor, under the lift valve, where the valve mounting bracket attaches to the tractor. The load sense port is on top, then the pressure and finally the return port, as shown in the image below. Refer to the Parts Section for additional information. (ASM-JD60-7030-0004)



PRESSURE LINE INSTALLATION

The hydraulic pressure line will be plumbed into the rear of the tractor remote valve. Locate the pressure port on the rear remotes and remove the plug (refer to the Hydraulic Ports illustration and the Parts Section pages for position of the pressure port). After the plug is removed install 27mm adapter. Next, connect a 1/2" hose from the tractor remote valve to the Tiger valve. (ASM-27mmPRESSURE-0001)

RETURN LINE INSTALLATION

The return line will be plumbed next to the pressure line on the tractor remote valve. Locate the return port and remove the plug (refer to the Hydraulic Ports illustration and the Parts Section for the position of the return port). After the plug is removed install 27mm adapter or elbow. Next, connect a 1/2" hose from the tractor remote valve to the Tiger valve. (ASM-27mmRETURN-0001)

LOAD SENSE LINE INSTALLATION

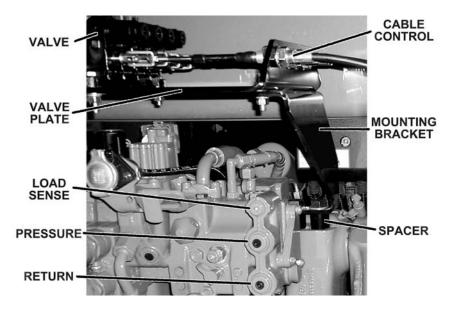
The load sense line will be plumbed into the bottom of the tractor remote valve (refer to the Hydraulic Ports illustration and the Parts Section pages for the position of the load sense port). Locate the plug on the tractor rear remotes for the load sense, and remove the plug. Install a 14mm adapter or elbow and run a 1/4" hose from the remotes to the Tiger valve. Refer to the Parts Section pages for an exploded diagram of the tractor remote valve hookup.

(ASM-14mmLOAD SENSE-0001)



VALVE MOUNTING

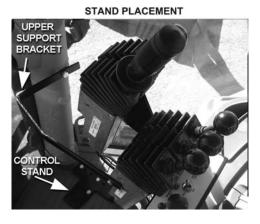
Locate the existing holes on top of the tractor remote valve at the rear of the tractor. Spacers are needed under the valve mounting bracket to raise the valve mounting system to the required height. Secure the bracket to the tractor with hardware shown in the Parts Section of the manual. Attach the valve mounting plate to the valve mounting bracket on the rear of the tractor as shown below. Align the holes for the cables on the Husco control valves and center the Danfoss valve on the valve plate. Then align the holes on the valve with the plate holes and secure the lift valve on top of the mounting plate. Route the hydraulic lines from the lift valve to the hydraulic cylinders as noted on the lift valve page of the Parts Section. Install the control cables to the valve and the mounting plate on the Husco valves. On the Danfoss valves, attach the electrical control cables. (ASM-JD7X30-0001)



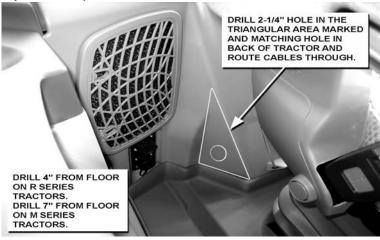
CABLE CONTROL LEVER STAND

On the corner cab post, mark a point at 1-3/8" from the windshield and 22-1/2" from the floor; then cut a 3/4" diameter hole through the outer plastic shell. This will expose a threaded steel boss to attach the control box support bracket.

The rear corner of the cable control stand is placed approximately 6-1/4" from the edge of the mat. The front edge of the stand is up against the corner cab post and the door sill lip of the mat. Before you mark or drill any holes, check for support plates or wires under the mat and the cab floor. NOTE: Cutting into plates or wires makes more work for everyone and could be dangerous. When you know where the wires/plates lie, mark one of the mounting holes. Drill a 3/8" hole through the mat and through the floor of the cab. Next, lift the mat up and mark the other two holes on the cab floor. Drill the holes through the floor.



Mark the mat and drill the other two 3/8" holes. Use a 1" hole saw and cut a 1" hole through the mat over each 3/8" hole. Secure the stand to the floor with the spacers, capscrews and nylock nuts provided.



Secure cables and wires from the control stand with zip ties and route past the right side of the driver's seat. Drill a 2 1/4" diameter hole in the triangular area behind the driver's seat. Drill a hole to the outside rear of the tractor.

Wrap the cables with the 6" split hose at the point they pass through the hole, and secure the zip-ties. Apply RTV sealer in and around individual cables and split hose, inside and outside of the cab for a water tight seal. Install upper support bracket from cab post to the control lever stand.

(ASM-JD CBL MNT-0002b)



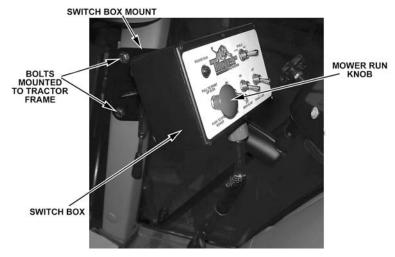
NOTE ON HUSCO CONTROL VALVES

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



JOYSTICK SWITCHBOX MOUNTING

Locate the two holes in the right front corner of the cab frame. These will be the mounting holes for the two mounting bolts of the switchbox bracket. See picture below. Mount the bracket using the hardware supplied, as noted in the Parts Section. (ASM-JD-0081)



ELECTRONIC LIFT VALVE PORTS

(ASM-C-0089)

DANFOSS VALVE

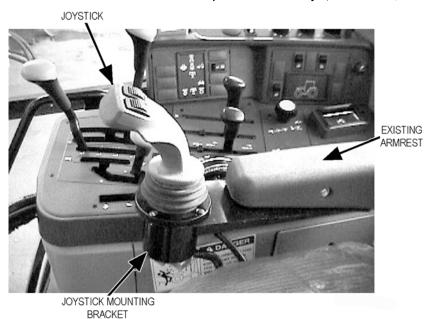
PRESSURE PORT

LOAD SENSE

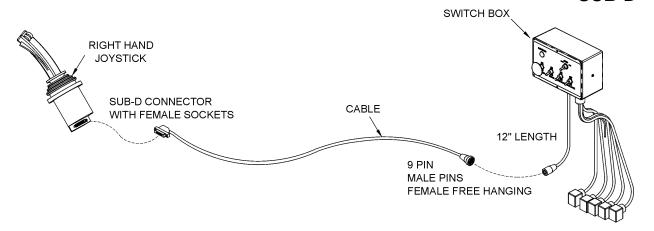


JOYSTICK CONTROL MOUNTING

Mounting the joystick control requires that the right armrest be modified and an additional bracket attached to accommodate the joystick. The armrest must be removed by sliding off the plastic cover and removing the capscrew from the lower right side of the seat. This will leave the armrest loose so it can be removed. Once the armrest is removed, place the joystick holder under the armrest, so the indentation on the outside of the armrest is lined up with the hole in the armrest bracket which the capscrew will need to pass through. Once they are lined up, mark the armrest where the hole passes through the armrest bracket. A 1/2" hole must be drilled through the armrest so that the bracket can be secured. After the initial 1/2" hole is drilled, on the inside of the armrest the hole must be cut to a larger diameter up to the metal plate in the armrest, so that a spacer and hex nut can be fastened to the capscrew which will secure the bracket. Install the armrest bracket on the armrest with the hardware shown in the Parts Section. Once the bracket is installed, re-attach the armrest to the seat using the existing hardware previously removed. Then install the joystick in the bracket with the machine screws shown in the Parts Section. Route the lift valve wires from the switchbox through the cab and out the back window. Cover with conduit and secure with ties or clamps as necessary. (ASM-JD-0082)



BOOM JOYSTICK CONTROL CALIBRATION (FOR SABER) SUB-D



This Danfoss PVG32 control valve is now equipped with higher-resolution actuators on Main Boom, Secondary Boom, Deck Roll, and Swivel functions. These actuators have "active fault monitoring". The Deck Shield section does not have "active fault monitoring". The joystick is unchanged and provides a ratio-metric voltage signal. The neutral signal voltage is half or 50% of tractor supply voltage. A 25% signal voltage will shift the valve spool to full "A-Port", and 75% signal voltage will shift the spool to full "B-Port" in the Main, Secondary, and Swivel valve sections. On the Deck Roll function a 34% signal voltage will shift the valve spool to full "A-Port" and a 68% signal voltage will shift the spool to full "B-port". If an actuator with active fault monitoring receives a signal from the joystick that is less than 15% or greater than 85% of supply voltage the actuator will "fault out" and shut down. Also if there is an internal failure in the actuator or if the spool position is greater than that specified by the signal voltage from the joystick, the actuator will "fault out" and shut down. An "active fault" condition causes the actuator to drive the spool to neutral, shut down, and activate a "red" LED on the top of the actuator. The active fault can be canceled by simply cycling the Master Switch "OFF" and then "ON", which resets the fault monitoring, and causes the LED on top of the actuator be "green" again.

A CAUTION

The joystick control is equipped with signal adaption potentiometers.

These provide the capability to individually adjust the oil flow to each boom function. It is important that the boom functions do not travel too fast. Excessive boom speed can reduce the stability of the unit and decrease operator control.

Note: Use a Phillips screwdriver and be sure to adjust the screws carefully! DO NOT turn the potentiometers beyond their stopping point, potentiometers are very delicate! Turning the "A" or "B" port potentiometers clockwise increases the oil flow to increase the boom function speed, and turning them counterclockwise decreases the oil flow to decrease the boom function speed. See the graphic on the next few pages for help in adjusting. (ASM-DF CALIBRATION SBR-0001)

Run tractor at normal operating RPM to adjust the settings as follows.

Set the dead band compensation potentiometer first.

Set the dead band compensation potentiometer at 50%, or halfway between full clockwise and full counter-clockwise.

Setting Signal Adaptation Potentiometers:

Disconnect the Deutsch connectors from the actuators of the valve. Use a Volt/Ohm meter to measure signal voltage and adjust the signal adaptation potentiometers as needed. Pin #4 is tractor supply voltage. Pin #1 is signal voltage from the joystick, and pin #3 is ground. First measure supply voltage between pins 4 and 3. Then measure signal voltage between pins 1 and 3 while indexing the joystick function fully in both the "A" and "B" port direction. Divide the signal voltage by the supply voltage to get signal voltage as a % of supply voltage. This percentage should not be less than 25% or greater than 75% for the Main Boom, Secondary Boom, or Swivel function. This percentage should not be less than 30% or greater than 62% for the Deck Roll function. Note these initial settings for the Deck Roll function should prevent the spool from shifting into float. After making this first adjustment to deck roll if the spool still goes into float, adjust the "B" port screw additionally counterclockwise.

Reconnect Deutsch connectors on control cables to actuators on Danfoss valve. Run tractor until hydraulic system is at operating temperature. Now refine the adjustments of the signal adaptation potentiometers for both "A" and "B" ports for all proportional functions to achieve the following function times. Note: turning potentiometer clockwise increases the flow or the function speed, and turning them counter-clockwise decreases the flow or the function speed. Note, if during this procedure the trim potentiometer is set to full "counterclockwise" but the function is still too fast, use the mechanical stops at the manual actuator end of the valve section to further limit flow. Turn limit screw in or clockwise to limit flow. The upper limit screw limits flow to "B-port", and the lower limit screw limits flow to "A-port". However DO NOT adjust the limit screw on "B-port" of deck



MAIN BOOM: "A" Port, Boom UP:8-10 Seconds

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

"B" Port, Boom Down: 6-8 Seconds

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

SECONDARY

BOOM: "A" Port, Boom Out:8-10 Seconds

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

"B" Port, Boom In:8-10 Seconds

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

DECK ROLL: "A" Port, Deck Out:7-9 Seconds

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

"B" Port, Deck In: Target 5-6 Seconds (but DO NOT use Limit Screw) (Raise main boom to vertical, extend secondary boom out slightly so that deck can be articulated without contacting the main boom, and roll deck out until deck cylinder is completely retracted. Then index the deck roll "in" function and determine the time required for the deck to roll in.)

BOOM

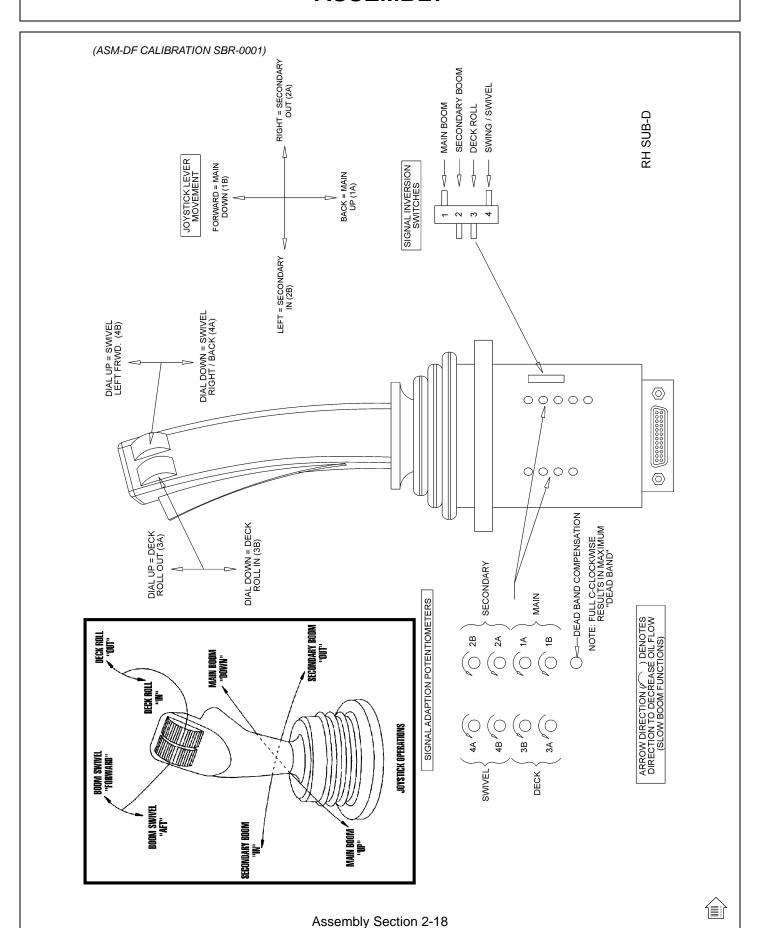
SWIVEL: "A" Port, Boom Aft: 11-13 Seconds

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

"B" Port, Boom Forward:11-13 Seconds

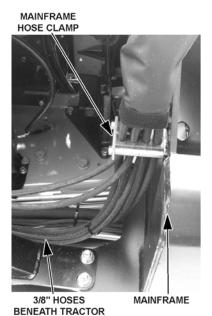
(Extend booms completely, rotate head to be level with ground, lower main boom until

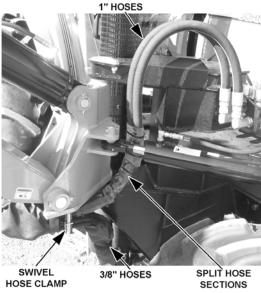


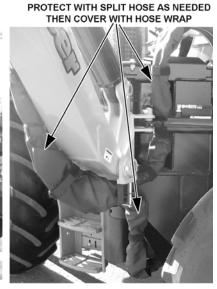


REAR STOW SABER HOSE ROUTING

WARNING NOTE: The sudden release of hydraulic pressure could cause the sudden movement of very heavy parts. Anyone in the way of these parts could be severely hurt or killed. DO NOT ALLOW these hydraulic hoses to BREAK or BURST. To prevent hydraulic failure make sure the hoses do not pinch or stretch as boom moves. Measure TWICE, check TWICE then proceed with caution.

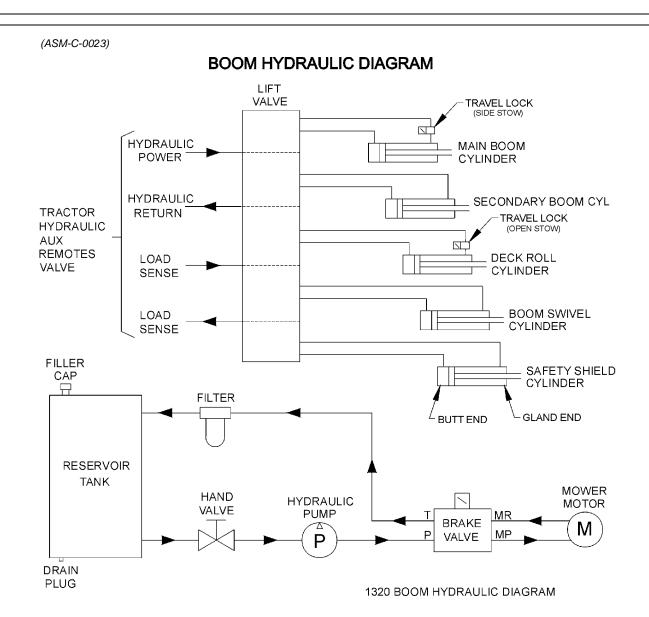






Route the 3/8" hoses from beneath the tractor through the clamp attached to the side of the mainframe, and then up to the clamp beneath the swivel. Route the 1" pressure and return hoses as shown in the photos. Wrap the 1" hoses with split hose sections and secure with zip ties where they may come in contact with the swivel or the cylinder. Connect the hoses to the boom preformed tubes or hoses and move the boom arm to a few feet from full forward. Make sure there is enough slack for all hoses to pivot at the joint where the main boom arm bends in the swivel, and tighten the hoses in the clamp. Cover the hoses on either side of the clamp with the hose wrap. This will protect the hoses from abrasion and heat.

Make sure the 1" hoses do not kink as the boom arm is moved into the stowing position. If this happens the hoses will have to be shortened, because there is too much hose between clamps. (ASM-T4 HOSE ROUTING-0001A SABER)



WHEEL WELL HYDRAULIC TANK INSTALLATION

Install all fittings and tubes into tank and tank filter as shown in the Parts Section illustration. Insert tank sight glass onto the tractor side of the tank.

Place the tank in the mounting bracket on the axle brace as shown in the Parts Section. Secure the tank with the hardware provided.

Install the filter gauge into the filter housing so that it points to the rear of the tractor and is clearly visible to the operator. The tank breather cap is ready for use as the tank is filled. Some of these items may already be installed. (ASM-C-0103)

WHEEL SPACERS

When mounting a boom mower, a spacer kit is needed for both rear wheels (part # 06200637). After removing the wheels attach the spacer to the wheel portion of the axle with the hardware provided. When you are ready to re-attach the wheel, the wheel goes on first then the reinforcement ring and finally the hardware provided. (ASM-JD-0099)



FILLING HYDRAULIC RESERVOIR

Refer to the Maintenance Section for filling specifications and hydraulic oil requirements.

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

INSTALLING O-RING FITTINGS

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

INSTALLING NATIONAL PIPE FITTINGS

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

GENERAL HOSE INSTALLATION

Refer to the Parts Section for more information about hoses and fittings for this application.

When mounting the suction hose between the pump and the tank, the stainless steel bands that are provided must be used. CAUTION: DO NOT use regular hose clamps for this purpose.

HOSE COVERING

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

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

ACCUMULATOR INSTALLATION

Install the accumulator bracket on the right mainframe mast or lift valve mount, if applicable, with the capscrews, lockwashers and spacers, if applicable, as shown in the Parts Section. Install the accumulator in the bracket and secure with the hardware shown. Install fittings and hoses to the cylinder and control valve as shown in the Parts Section. **Use teflon tape on all pipe fittings (except O-rings).** (ASM-C-0012)



SOLENOID BRAKE VALVE

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

TEMPERATURE GAUGE MOUNTING (OPTIONAL)

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

WHEEL WEIGHT MOUNTING

For all tractors using a boom mower, a wheel weight will be required for the rear left side wheel. It will be necessary to mount the weight in the wheel using the long capscrews, lockwashers, flatwashers, spacers (if applicable), and hex nuts per the diagram in the Parts Section.

Installation is most easily done with a fork lift, inserting a fork in the center slot of the wheel weight. The head of the capscrews is to be toward the OUTSIDE of the weight, with flatwashers on both the inside and outside of the assembly.

The left rear tire may also be filled with a mixture of water and calcium chloride at about five pounds per gallon. Tire air pressure should be maintained according to the Maintenance Section. (ASM-C-0055)

MAIN BOOM INSTALLATION

Using a hoist, install the boom swivel into the mainframe as shown in the Parts Section. Line up holes in swivel and mainframe for large swivel pin and insert pin. Secure with hardware as shown.

Attach the inner end of the main boom to the swivel bracket with the cylinder anchors positioned upward and at a right angle to the tractor. Secure it with the horizontal hinge pin. Secure the hinge pin in the boss with capscrews, etc. (see Parts Section).

Attach the butt end of the main boom cylinder to the swivel bracket anchor with the special "bracket head" cylinder pin and roll pin shown in Parts Section.

Install the travel lock on the butt end of the main boom cylinder. This should be facing the butt end of the cylinder after installation.

Install the fittings and hoses to the main boom cylinder per Parts Section.

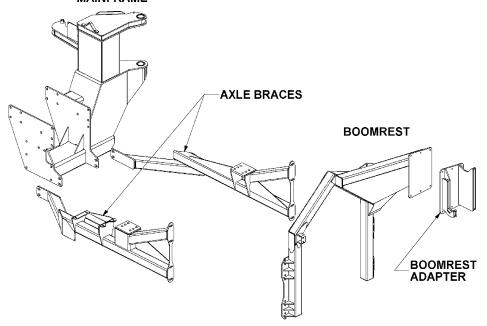
GREASELESS BEARINGS ARE DARK GRAY AND SHOULD NEVER BE GREASED. THE MAIN BOOM CYLINDER AND THE SECONDARY CYLINDER ARE NOT GREASELESS AND NEED TO BE GREASED. (ASM-MN BM LRS-0001)



RS AXLE BRACE MOUNTING

The rear stow axle braces are to be mounted under the rear axle of the tractor. The other end of the axle brace mounts on the outside of the lower rear corners of the mainframe. After attaching the boomrest, it should fit tightly and level under the tractor. Attach the axle brace(s) to the mainframe with hardware shown in the Parts Section and tighten. Attach the axle braces to the rear axle using the mounting hardware shown in the Parts Section, but DO NOT tighten.

MAINFRAME



RS BOOMREST MOUNTING

Carefully raise the rear stow boomrest and align the holes with those of the axle brace. Now install all attaching hardware, as shown in the Parts Section, loosely, to allow for the alignment with the left and right axle brace. Tighten / torque all hardware on the brace and the boomrest. Finally, add the rest strips to the boomrest. (ASM-JDBOOM-



DECK ATTACHMENT

Attach the head to the secondary boom using the pins and hardware shown in the Parts Section to attach linkages. Install the square tube on the top of the head into the head mount and secure using the mounting plate and hardware as shown. The mount should be positioned to the left side of the cutter head. Install the deck pivot cylinder using the pins and hardware also shown in the Parts Section.

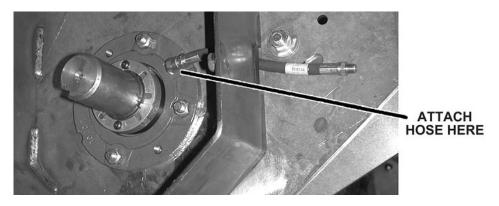
Connect the fittings and hoses from the pivot cylinder to the small preformed tubes on the boom arm. Connect the fittings and hoses from the motor to the large preformed tubes on the boom arm.

Connect all remaining hoses from the control valve to the cylinders and / or preformed tubes on the boom arm. Refer to Parts Section for diagrams.

Before proceeding to the final preparation step, double check the complete assembly from the mainframe to the cutter head against the diagrams in the Parts Section for proper placement and assembly of all components. (ASM-C-0060)

EXTENDING ZERK ON FLAIL HEAD

Because the belt shield covers the cutter shaft bearing on the flail head, a hose, elbow, and grease zerk have been added to the bearing. Remove the existing grease zerk from the bearing and discard. Attach the elbow to the bearing. Next, attach the hose to the elbow, route through the belt shield (shown below) and attach to the outside of the shield. The additional zerk is connected to the end of the hose for easier bearing maintenance.

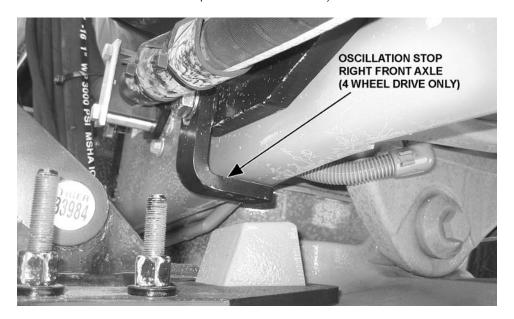


After assembling all components, double check the complete assembly from the mainframe to the cutter head. Check the diagrams in the Parts Section for proper placement and assembly of all components. (ASM-FLAIL-0001)



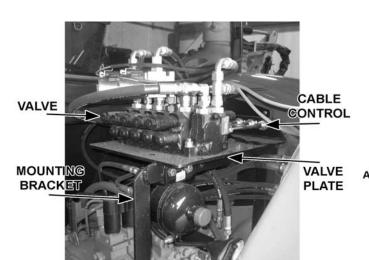
OSCILLATION STOP

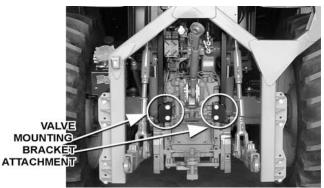
JD6140-50M/R tractors with 4-wheel drive require an oscillation stop for Saber boom applications. The stop will be installed on the right side over the front axle. Stops are also needed for tractors equipped with triple link suspension. See the mount kit page of the Parts Section for more information. (ASM-JD-0249 STOP OSS)



VALVE MOUNTING JD6140-50R

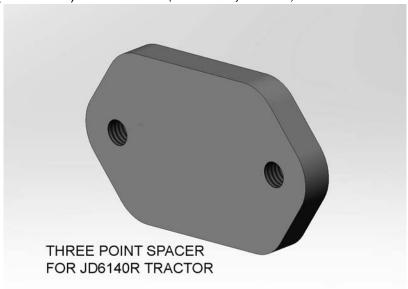
The mounting bracket for JD 6140-50R series tractors features two long legs which need to be attached as shown in the photo below. Secure the bracket to the tractor with hardware shown in the Parts Section of the manual. Align the holes for the cables on the Husco control valves and center the Danfoss valve on the valve plate. Then align the holes on the valve with the plate holes and secure the lift valve on top of the mounting plate. Route the hydraulic lines from the lift valve to the hydraulic cylinders as noted on the lift valve page of the Parts Section. Install the control cables to the valve and the mounting plate on the Husco valves. On the Danfoss valves, attach the electrical control cables. (ASM-JD7X30-0001 JD6140R)





3-POINT SPACER BLOCKS FOR JD6140-50R

To help stabilize the 3-point arms on JD6140-50R tractors for Open Stow, Legal Rear Stow or Triple flail applications, 3-Point Spacers (P/N 06402260) need to be installed. To attach the spacer blocks on JD6140-50R tractors, 5/8" capscrews (P/N 21784) and 5/8" flatwashers (P/N 33764) will be used. (ASM-C-0036 jd6140Rrev)

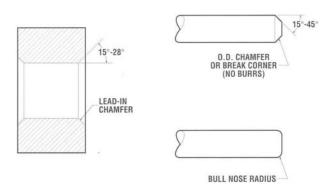


GREASELESS BEARING INSTALLATION

It is recomended that grease be applied to the bore to aid in insertion of the greaseless bearing. (ASM-GRSLSS BRNG-0001)

Assembly

When a PolyLube™ bearing is press fit into a housing, it expands into the housing and creates a highly loaded press fit condition. This is possible because of the elastic properties of the bearing's backing material. Press fits on wall thicknesses up to 1/8" have demonstrated

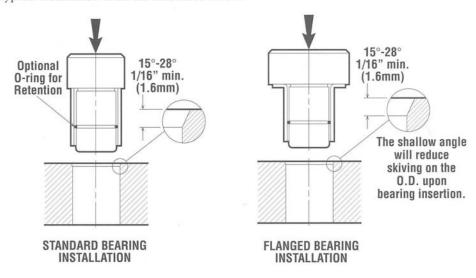


that the close-in ratio is one-to-one (0.001 press yields a 0.001 close in). However, press fits should be minimized, even though the tube will readily take presses of 0.004" to 0.005". The use of a standard H7 housing bore is also recommended.

Due to thermal lag, the bearing wear surface may be hotter than the adjacent housing, when heat is generated from running friction. As a result, the installed bearing may expand inward, reducing the shaft clearance. For optimum performance. Polygon recommends a smooth, hardened steel shaft with a 16 micro finish. However, PolyLube's rugged bearing surface will permit use of a rougher finished shaft, such as a standard drill rod, if the bearing to shaft clearance is increased. (See Part # listings for recommended shaft clearances).

Shaft clearances should be increased for dry running applications with high rubbing velocities. Fluid cooling and lubricants will reduce the operating temperatures, permitting tighter shaft clearances. Heat transfer through the bearing wall is inversely proportional to the wall thickness. The thinner the wall, the greater the transfer of heat. Thermal conductivity, for example, is 1.8 to 2.3 Btu • in/(hr • ft2 • °F).

Typical installation tools are illustrated below:





FINAL PREPARATION FOR OPERATION

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

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



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

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

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

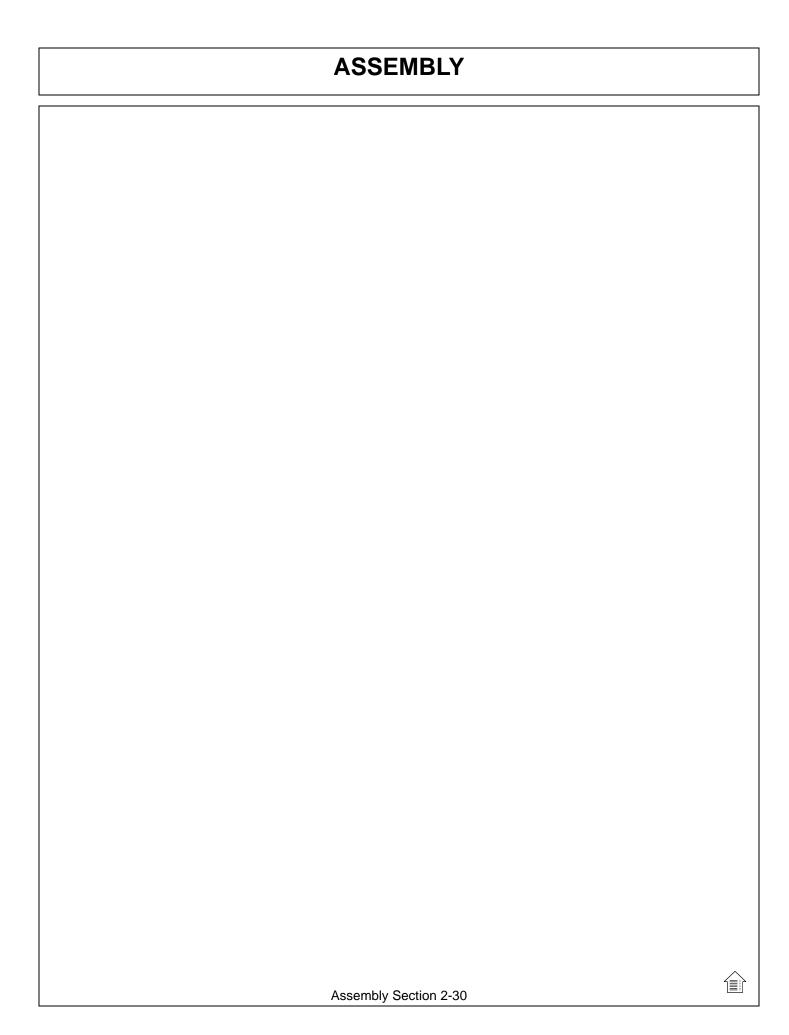
Before operating the mower, the cutter head and boom should be slowly moved throughout the full range of motion. Watch for any condition that would cause pinching or excess stress on the hoses. The steering and front axle travel should also be carefully moved through their full range of motion. If any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

MOWER TESTING

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

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







H; 9F G569F 6CCA ACK 9F CD9F5HB; BGHFI 7HCBG

V@AÛæ^cÂŒ^cÂŒ^\fai[/Ás[{àā}^åÁ¸ãœÁæÁ;ã}æÁ¸[¦åÊÁæ•Á^^}Áå^|[¸ÊÆaÁşc^}å^åÁ[Á¸æ4}Ás@Á¸}^\Ás@,]^\Æa[¦ [-ā[]^}åā]*Áœææå•Áæ}åÁœÆå°*Ás@Ás^*\^^Á¸Áşb'\^Áj-Áşjb'\^Áj-Áşjb'\Âs`\āj*Áj}^\æa]}È

A DANGER

QuåaBaaen • Ása) ÁTI { ān ^} d^ Á@ee ad å [* • Án āc asaā] } Án @eedÉsāÁ) [oÁseç [āán å ÉAY (SŠŠÁn • * | oÁs) ÁÖÖOS/PÁUÜ XÕÜŸÁDÕÜQUWÜÁDR RWÜŸÈ

AWARNING

A CAUTION

Important

(a) ~ (a) ~

<u>ÜÒŒÖĒMÞÖÖÜÙVŒÞÖĒÐÐÀÁØUŠŠUY</u>Ás@Á{||[_ ā,*ÁÛæ^ċÁT^••æ*^•ĒÁÁÛ^¦ā,*•Áā,bº¦^Á; å^æ@Á;æfÃ;&&`¦Á;}|^••Ásæk^ÆiÁæà^}Áā,Áæ; Ùæ^ċÁT^••æ*^•ĒÁÁŌĒ;æ•Á·•Á*[[åÁS[{{[]Á^}}•^A;Áæç[ãāÁæææå•ĒÁ;ŏææ;å



A PELIGRO

ÙãÁ, [Á^^Áð; * |^• ĒÁ, ãã æÁsê; `åæÁseò; *ã^ Á * ^Á āÁ, Á/æÁ; ææÁ * ^Á/Ád;æå`: &æÁæ { ^åãaæÁs^Á^* * | ãaæáĒçōē#o

¡ LEA EL INSTRUCTIVO!



Ùæà^¦

U]^\aea[} \(\hat{A}\hat{U}^\&a[\}\) \(\hat{A}\hat{E}G\)

%CD9F5HCFF9EI ≠9A9BHG

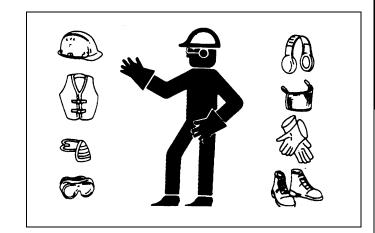
 $\begin{array}{l} \text{``} 2 \text{ ``} 2 \text{ ``$

 $\begin{array}{l} Q\hat{h}@\mathring{h}] \wedge |aeg| |\mathring{A}sea) \} [o\mathring{A} \wedge aea^{\hat{h}}\mathring{a} \wedge aea^{\hat{h}} \wedge aea^$

Ùæ^Á;]^¦ææā;}Á;Á^ݸ¸áŸ¸áŸ¸ãŸ¸ÁŸ¸ãŸ¸ÁœæÁœ¸Á;]^¦ææ;¦Á,^æÁæð;]¦[ç^åÁÚ^¦•[}æ¢ÁÚ¦[ơ&æã;^ÁÒ¸¸ã;{^}ơÁQÚÚÒE -{¦Ác@Áb;àÁs[}åãā;}•Á,@}Áœææ&@;*ÉÃ;]^¦ææð;*ÉÕ^¦çã&ð;*ÉÁæ)åÁA¸]æð;ð;*Ác@Á°¸¸ã;{^}dĚÁÚÚÒÆ;Áå^•ð;^åÁ{]¦[çãå^Á;]^¦ææ;¦Á;[ơ&æã;}Áæ)åÁs,&¦å^•Áæ@Á;∥[¸ã;*Áæ¢ćÁ,^ækK

D9FGCB5@DFCH97H=J9'9EI =DA9BH'fDD9Ł

- ″ Off, æê•Ár^æhÁÛæ^c ÁÕ|æ•^•
- ″ PælåÆPæc
- ″ Ùc^^|Á/[^ÁÛæ^c^Á2[[ç.^æЫ
- ″ Õ∥ç^•
- $^{\prime\prime}$ P^æda * ÁÚ¦[c^&ca]}
- Ő|[•^ÁØãcã]*ÁÔ|[c@3]*
- ″Ü^•]ālæe[¦Á;¦Ázðājc^¦ÁTæ•\ÁÇā^]^}å•Á;}Á []^¦ææā;*Á&[}åãæā;}•DÁÁç∪ÚÜHÆ€€€€€



A DANGER



Ùæà^¦

U]^\aea[} \(\hat{A}\hat{U}^\&a[\) \(\hat{A}\hat{E}\)

&'HF57HCF'F9EI =F9A9BHG

QiÁsaååããā]}Át[Átæ&d[¦ÁQ¦•^][¸^¦Ása}åÁrã^Á^ˇã^åÁt[Á;]^¦æz^Ás@Ás[[{Á'}ãíÐás@Átæ&d[¦Á;ˇ•ơÁsa+[Ás^Á;][]^¦]^ ^ˇā]]^åÁt[Á;¦[çãå^Á;]^¦æt[¦Á;|[ơ'&dā]}ÊÁt[Ása+'¦ơÁsa]]¦[æ&@3*Áç^@&|^Ås¦ãç^¦•Á;Ás@Átæ&d[¦ơ;Á;¦^•^}}&^Êæa;åÁt[^}•`¦^Átæ&d[¦ÁrææàājācÂ;@}Á;[¸ā]*Á;ão@kœÁs[[{Á*||^Ár¢ơ^}å^åÊ

HfUWcf FYei]fYa Yblg UbX 7 UdUV]]l]Yg

- OEÙOEÒÁæj] | [ç^åÄÜ[||ËUç^\ÁÚ|; [e^&cãç^ÁÛd*&č |^ÁQÜUÚÙDÁ; |ÁÜUÚÚÁ&æàÁæ)áæ)åA^æAá^|cÈ
- ´ V¦æ&q;¦ÁÛæ^cÂÖ^çã&^•ÁÜ∭∭∭∭∭∭Ù∥[,ÁT[çã;*ÁK^@3K|^ÁÇÙTX DÁ^{à |^{ÉÁ;ã @ã;*Ê

&"%FCDG"UbX"GYUh6 Yh

AWARNING

U]^¦æc^Ac@àAOˇª[{^}o^[}|^A @a@AæAV!æ&d[A^ˇª]]^åA @a@AæAPad];|[ç^åA'[||E [ç^\!E];|[c^&c@;^Á*^•c^{AQUUÚUDEAGT; æ•Á,^æAA*;ææÁ à^|o•EÂAU^;a[*•Á3;b];^A[; ^ç^}Å\$^æc@Áz[*]åÁ^•`|oÁ;[{ Áæd|ā*Á;~Ás@Ada&d;!EE;æc@&*|æb|^Ás*;ā;*ÁæÁc*;}[ç^! _@}Ás@Á]^\;æt[¦Æ{[`|åÁs^Á;ā]}^åÄ}åA`}åa*!Ás@ÁUUÚUEÁ¢;ötb





&"&"CdYfUncf"H\fckb"CV^YWhDfchYWncb



A DANGER

UÚÙËÓËÆ€€F

Þ^ç^¦A[]^}ææ^Ac@AV¦æ&d;¦Aæ}åAT[¸^¦AW}ãrĄãr@`oAæ}AUUUAQU]^¦æq;¦• Ú¦[ơ·&ār҈^ÁÙd`&c`¦^DÁ[¦ÁÔæàÁqíÁ¦^;^ç^}oÁábí^Á-¦[á Áiáb'&o•Ác@[¸}Á-¦[*¦[`}åĸ¦Á¦[{Áiç^!@æåÁdā[{ā]*ÉÄŪd[]Á([¸ā]*ÁŠÁ¸[¦\^¦•Á;¦Á;æ••^¦•àî æb^Á¸ãr@ā,ÁnE€Á^^dĚÁpio⊤#id



Ùæà^¦

U] ^ | ææāi } ÁÛ^&æāi } ÁHË

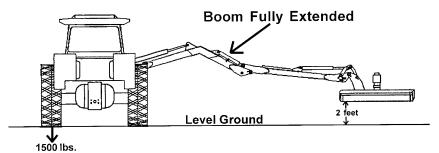
&" 'HfUWrcf'@[\ h]b['UbX'GAJ'9a V'Ya

QÁx@Á;æ&q[¦Á¸āļ/án^Á;]^¦ææ^åÁ;^æÁ;¦Átæç^|^åÁ;}Áæ
]`àlæÁi[æå,æáÁāóÁ; ઁ•cÁà^Á^č ˇā]]^åÁ¸ãc@Á;¦[]^¦
æb}ā;*Áā @ā;*Áæ;åÁæÁÚ[]¸ÁT[çā;*ÁX^@&k]^ÁQJTXD
^{á]^{Á; @ã;@Áæ;Á&k]^Áçā;āā|^Á;[{Ác@;Á^æ;A[~c@;Á'}æi]^Á;[{Ác@;Á^æ;A[~c@;A´}ài]^Á;[{Ác@;Á^æ;A[~c@;A´}ài]^A;];ØÁ*^cæi;*Á;[]^¦ææi;*Áæ;åÁcæi,A],ØÁ*~Aæi;*Áçi;Ac@;dææ;(¦A[]^¦ææi;*Áæ;åÁcæi;*Áæi;*Ác@;Ácæi;*Ác



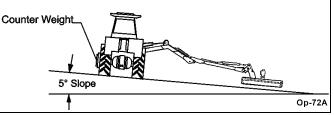
&'('HfUWcf'6 U'Ugh

 $\begin{array}{l} V_1 \stackrel{\wedge}{\wedge} \circ ^* \mid ^A \hat{k} \mid \otimes \hat{k} \mid ^A \mid \otimes \hat{k} \mid \otimes$



Op-71A

QÁc@Á`}ãóÁā Á;] ^¦æe^åÁ[}Á•|[]^•Á*¦^æe^¦Ác@æ)Á́[°Ê]
æååãā[}æÁÁ &[`}c^!_^ā @Á _ āļÁ à^Á^` ã^åÈ
U]^¦ææ]}ÁſĀ@^Á`}āóA]}Á•[[]^•Á*¦^æe^¦Ác@æ)ÁFF
]^¦&^}óÄĴĒÁå^*¦^^•DÆ;Á[[]^•Á*¦^æe^¦Ác@æ)ÁFF
]^¦&^}óÄĴĒÁå^*¦^^•DÆ;Á[[]^•Á*¦^æ6]{{ ^}ååÅ`}å^¦
æ)^Ásā&`{•ææ}&^•EÁU}ÁæÁæ&ǦÁ¸ão@æÁÛÎ+Á¸°œãā^
ÇÁ¸°œã^ÁæÃ^Á;]¦^æåÆæA ÁFFÁ¸^¦&^}ÓÄĴĒÁå^*¦^^•D
•|[]^Á¸&&`¦•Á,@^}Á¸A^æÅÁæÅÇÆ&ǦÁæÅçÆ€Fİ



Ùæà^¦

U]^¦æaā[}ÁÛ^&aā[}ÁHEÉ

'": 9HH+B: CB 5 B8 C:: H<9 HF 5 7 HCF

 $\begin{array}{l} O^{-}\{ \mid \wedge A^{+} \land cca\} * A_{1} \} \notin A_{2} \text{ and } A_{3} \text{ and } A_{4} \text{ and } A_$

AWARNING

 $\ddot{O}[A][O^{A}[]^{*}] O^{A}[]^{*} A^{*} C^{*} A^{*} C^{*} A^{*}] O^{A}[]^{*} C^{*} A^{*} C^{*} A^{*}] O^{A}[]^{*} C^{*} C^{*} A^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} A^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*} C^{*}] O^{A}[]^{*} C^{*} O^{A}[]^{*} C^{*} • **d**]] ^ å Æ‱ ë œ



A DANGER

P^ç^\A[]^|æc^Ac@AV|æ&q_!Aæ}aAT[, ^\AW}ārA,ār@`o^æ}AUUUAQU]^|æe[!• Ul[o^&aā;^AUd`&o`|^DA[|AÖ;æàAq[A]|^c;^}o^Aab'\^A+[{A[àb^&o-Ao@[, }A+[{ *![`}}aA[|A;[{A[c^!;@aæ}Adā[{ā]*EAUq]A([,ā]*A&A,[!\^!•A[,A];ae•^!•à` ad À ão Ô ÁHÈE Á À Ô DÉÁDÓT ÜD



''%6cUfX]b['h\Y'HfUWfcf

Þ^ç^¦Áædl[¸Á]æ••^}*^¦•Áq[Á'æã^Á[}Ác@Ádæ&q[¦Á[¦Áææææ&@åÁ^``ā]{^}cÈÁÜæã^¦•Á&æþÁ^æ•ājÁædlÁ[~ÁæþåÅà^ •^¦ã[`•|^Ægjぢ¦^åἦÁā]^åÁ¦[{Áædlā]*Á;~ÁæþåÅ&a^ā]*ÁæþÁç^¦ÈÁQÆrÁæÁæÁþ]^¦ææ[¦œpÁ^•][}•æäājācíÁqÁç¦àæäÁædlÁr¢dæ ¦æå^¦•ÁææÆdlÁæj ^•ÈÁÚÜÜËNÆ€€€Ì

A DANGER

] | [] ^ | Á[,] ^ | ææata } Á[~Ás@ Act æ&c[| Áæ) å ÁQ] | ^ { ^ } cÊæ) å Áæ ^ Á; @ • ææel ^ Áæ * ^ ′* @Án; Á^æ& @Án; åÁ;]^¦ææ^Án;@ Á&; }d; [•Án;æ•āî ĒÁķjő#⊨d



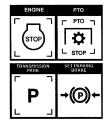
'"&'8]qa ci bhib['h\ Y'HfUWcf

W•^Á@e) åÁæi•Áe) åÁ¢dæÁ¢]•Á, @}Á¢æiā;*ÁœÁdæ&d;¦ÄÁÓ^Á&æA^;|Á;Á[`¦Ác^]Áe) åÁ•^Á¢dæÁ&eĕ æi}Á, @} {``åÊAB\ÊA}[,ÊA;åAfc@\Afc@\Afc&Ac&\`{``|æe\åAf\}Ac@Ac\afc\]•Aea}åAf@a;åA@a;ålæaf•EAF\ç\\A`•@A;lA``•@A;lA``{]Af~Ac@ dæ&d¦ÉÁUŰŮÉÓÉÆ€€Ğ

Ùæà^¦

U] ^ | ææāi } ÁÛ^&æāi } ÁHÉÎ

A DANGER



("GH5FH+B: "H<9"HF57HCF

 $V@\acute{A}[]^{|ae|} \stackrel{\dot{A}}{=} V@\acute{A}[]^{|ae|} \stackrel{$

Ò••^}@aa¢Á√¦æ&q[¦ÁÔ[}d[|•K

- ‴Š[&æe^Áo@^Á\$t}ãuā[}Á^^Ðjãu&@Á
- ″ Š[8æe^Ás@•Án} * ā, ^Án @ oÁ, ~Ás[} d[|
- ‴Š[&æe^Ás@•Á@•妿ĕ|a&Á&[}d[|Áf^ç^¦∙Á
- ‴Š[&æe^Ás@^Áa∄@Á&[}d[|Án^ç^¦
- ‴Š[&æe^Ás@^Ás¦æ\^Áj^忆Áæ)åÁ&|ĭc&@Á
- ‴ŠĪ&æe^Ás@∘ÁÚVUÁ&Ī}d[|Á
- Š[&æe^Ás@•Á-HÁ,[ã,oÁ@ãe&@Ás[}d[|Á/\ç^|
- ‴Š[&æe^Ás@^Áa[[{Á[]^¦æeā]*Á&[}d[|•ÁQQ[^•œ&\Á[¦Áçæqc,^Áaæ},\D

Ó^{ | ^Ácæca} * Ác@Átæ&d | Á^} • * | ^Ác@Á[||[, a] * KÁÁ

- ‴Ô[}å`&oÁse|A∫¦^ËoæboÁ;]^¦æeā[}Á\$,•]^&oā[}Áse)åÁn^¦çã&∧Ásæ&&[¦åā]*Áq Áso@Áslæ&o[¦Á;]^¦æe[¦q∙Á;æ)`æþÈÁ
- Τæλ ^ Á ` ' ^ Áæl Á ` æð å ÉÁ @ β \ å ÉÁæ) å Á c@ ' Á æ ^ ĉ Áå ^ cã& Áæ ^ Á ^ & ' \ ^ Í Á§ Á |æ& ^ È
- ″ V@^Ájæd∖āj*Áns¦æd;^Áns/Án}ÈÁ
- ″V@^Áa[[{Án]^¦ææā]*Á&[}d[|•Áæd^Á5]Áo@An^`dædÁæ)åAn~An[•ãæā]}È
- ″ V@^ÁÚVUÁ&[}d[|Án^ç^¦ÁãaÁåãa^}*æ≛^åÈ
- ‴V@Á@妿ĕ|a&Á∧{[c∿Á&[}d[|Án∖ç∧¦•Áæd∧Á5[Áo@Á,∧čdædÁ,[•ãαā[}ÈÁ

 $\begin{array}{l} \ddot{U} \wedge -\dot{A} \left[\dot{A} \otimes \dot{A} \right] & \dot{A} \otimes \dot{A} \\ & \dot{A}$

A DANGER

Ùæà^¦

U]^\aea{\) AÛ^&a{\) AHE

A DANGER

{ aa} * aa|Ái¦ | Á | [] ^ | Á caal ca| * Áa • cl * &cair} • ÈÁÁciói⊞hd



▲WARNING

Y @ } Á [cæēā] * Á] æðo Áæb^Áāj Á, [cā[} ÊÞo ^ ļā[`o Áā] Ď ¦ Á, æê Á[&& ¸ ¦Áã/Ásæĕ cā[} Áā Á, [cÁ` o ^ å Á[¦ åæ) *^¦ÁãnÁ, [cÁ\^&[*}ã,^åĚÞ^ç^¦Áæd|[, Áà°•cæ) å^¦•Á, ãc@ÁH€€Á æbå•Á; Ác@Á, æ&@ã,^Á, @³} { [¸^¦AšrAsjA[]^¦æeā[}E

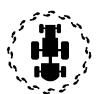
AWARNING

 $\dot{O}^{\dot{A}}^* |^{\dot{A}}_{\dot{A}} \otimes \dot{A}_{\dot{A}} \otimes \dot{A}_{\dot{A}} \otimes \dot{A}_{\dot{A}} = (-1.40\%) +$

) 'DF9!CD9F5HCB'+BGD97H-CB'5B8'G9FJ=79

▲WARNING

U^|ā|aa8aa|Aā|a|Aā|a]^8cAaa|A[[cā]*A] ædo A;|A¸^æAæ)aA|^]|æ&A @\} }^&^••a^Aā@Aæčc@|ā^aA^A^!ça&AA;ædo EAS[[\A[!a[[•^Aæec^}^!=EA]]] [|Aa|[\^}A]ædo EAæ)aAA^a^A[!A[[•^Aāacā]*•EAT æb^A*`!^Aæ|A]ā•A@æç^ æacæ&@a;*A@æba;æ^EAU^!ā[`•Aā]b`!^A(æA;&&`!A+[[A][ch(æā]cæā]ā]*Ac@æ {æ&c@a;^Aā;A[[aA,[!\ā]*A;!A]EA\$\otercod

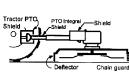




A DANGER

 CTI|AUæ^cAJ.@A|å•ENO* æå•Aæ) åAUæ^cAå^c&A^s&\;
 AJ.@A|å å * AQA* oA) [c

 [a] ac^åAq[DAEs@AO^4/&[i•EQ@ad,AO* æå•ENUc^A]AO; æå•ENUc^A]AO;
 æå•ENUc^A]AO;



Ùæà^¦

 $U] ^{\text{laga}} \hat{A}U^{\text{log}} \hat{A}U^{\text{log}} \hat{A}H\hat{B}$

<u>) '%HfUWfcf'DfY!CdYfUhlcb'=bqdYWflcb#GYfj lWf</u>

- ″ Val^Á&[}åãna[}EænalÁ|¦^∙∙`¦^
- ″ Y @^^|Á;*Áà[|œÁ
- ″ Ùc^^¦ā,*Áā,\æ*^
- ″ ÚVUÁ @A\låÁ

- " $V_{as}(| \hat{AU} \approx \hat{A}) = \hat{AU} =$
- ″V¦æ&q¦ÁÜUÚÙÁ§aÁ§aÁ†[[åÁ&[}åããa[}
- ‴ÜUÚÙÁãrÁS,Ás@∙Áæãr^åÁ∖[•ãcã[}
- ″Þ[Áda&&d[¦ÁnjáÁn^æà∙Á
- ″Üæåãæe[¦Á√,^Á;√Áå,^à¦ã•Á
- ‴ Ò}*āj^ÁjāÁ∱^ç^|Áse)åÁ&[}åãcā[}
- ″Ò}*ā}^Á&[[|æ)•oÁ/^ç^|Áæ)•åÁ&[}åããã[}Á
- ″ Ú[、^¦Áa\¦æ\^Á√)ãaÁn^ç^|Á
- ″ Ú[¸^¦Á;ơ^¦ā;*Á¦ˇãàÁ;^ç^|Á
- ‴ Ø `^|Á&[}åãαā[}Áæ)åÁ†^ç^|Á
- " \dot{U} " ~3821} \dot{A} " \dot{a} | 382024] \dot{A} " \dot{a} \dot{a} \dot{a} \dot{a}
- ‴ OBĀÁāde^¦ÁSQĪ}åãdā[}ĀŔŪÚÙËÄVĒË€HĒ



<u>) "&6 cca `I b]hDfY!CdYfUn]cb`=bgdYWn]cb`UbX`GYfj]WY</u>

Q.•]^8oÁæ)åÁ•^\cab^Ác@Áà[[{Áæ}{Áæ)åÁ@æåÁ|lā[lÁqíÁ]]^læsā[}ĒÁÖæ{æ*^åÁæ)å⊞lÁà![\^}Á]æd•Á•@`\åÁæ* !^]æā^åÁæ)å⊞lÅ'^]|æsA^åÁā[{^åãæe*\°ĒÁÁV[Á^}•`!^Ác@Á`}ãÁæ*Á!^æå^Á-[¦Á[]^læsā[}ĒÁS[}å`8oÁc@Á-[∭]¸ā]*K UÚÙËÓÆÆ€ŒÄ

AWARNING

U^|a|aa8aa|Aa|•]^8cAa|A|[ça|*A]adoA-[lA,^æAa}aAl^]|æ&AA @\} }^&^••æ^Aa}a@@@c@la^aA^!ça&AA|adoE&G[\A[lA][•^Aa;cA]&@c^}!\ [!Aa|[\^}A|adoE&a)aA|^aA^A\[[•^Aa;a]*•EATaa^A*`!^Aa|A]a}•A@@c^ æcæ&@a*A@daa;ad^EAU^la|`•Aa|b]'A(&&`lA|[{A;[cA;a]adaa]a}*Ao@a {æ&@a^Aa;A'[[aA;[!\a]*A;la^!EA\$o@e





Ùæà^¦

U] ^ | ææā[} ÁÛ^&æā[} ÁHËJ

V@ Á,] ^ | æag | | q Á, æ) ~ æþÁæð å Ár æð c Ár æð } • Áæð æð ^ å Ár } c@ Á } ārð \$] | | cæð Ág] [| cæð cð ð • c * & cæð } • Ár } Ac@ Ár æð æð å Áj | [] ^ | Ár • ^ Ár • Ac@ Ár ~ æð | { ^ } dæð æð ææð ææð Ác@ • ^ æð] [| cæð cð æð c Ár ææ | ^ • Ár } Ár@ Áæ] | ^ { ^ } cð Ár [[å &[} å ææð } Ár Ár) • ~ | ^ Ác@ Ág - { | { ææð } Áæ Áæçæðæð | ^ Ár c@ Ár] ^ | ææf | Áææðæd Árð • È

~ `\^Áx4|Áæ^c`Áã} • Áx4^Á§ Á; |æ&^Áx3 åÁ|
 Ü^] |æ&^Á; ã•ā; * Éå;æ; æ* ^å Éðx3 åÁ§|^* ãa|^Á
 å^&æ; EÁ;UÚÜËÆ€FF* Œ



ØÜCET ÖÁCEÙÙÒT ÓŠŸ

- "Q•]^8o48[}åããã[}Á;-Á;[*}cã;*Á;aé;^Á;^|å{^}cÈ
- $(0.9)^{\circ}$ 0.9

- ```\^Á\a{ ^/a Á; |] ^\|^Á; [`} c^å Á; Átæ&d; Ábæ) åÁ
 @ædå, æb^Æa Á; |] ^|^Áa, cæ|\^å Áæ) å Áæ; å Áæ; @c^} ^å ĔÁ
 ``\UÚÜĒÖÆ€€ŒF´ÜÖÜ



AWARNING

Þ^ç^¦ÁŠ^æç^Ác@^Á([¸^¦Áˇ) ææc^} å^åÁ¸ @ặ^Ác@^Á@æåÁãÆá¸ÁæÁ°Áå¸ÁœÁ'æã^å][•ããã¸}ÈÁÁ'@^Á([¸^¦ÁŞ[ˇ|åÁæd|Ææě•ã,*Ár^¦ã[ˇ•Áā¸b´¦^ÁqÉæð;^[}^Á¸ @ {ã@Á\$¸æåç^¦c^} d^Áà^Á}å^¦Ás@Á([¸^¦oÆpióTĒD



AWARNING

Ùæà^¦

U]^¦æaā[}ÁÛ^&aā[}ÁHË干€

OUUT ADEUT ADEUUOT OSY

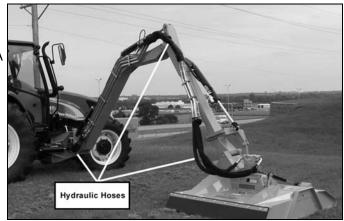
- $Q = 1^8648[] a \tilde{a}a_1] A + A \approx 4^864[A + 8a_1] A + A = 8 = 4 = 1$
- Ò}•`¦^Ása|Ájāj•Ása}^Á§jÁj|æ&^È
- Ò}•ˇ¦^Áse|Ás[|o•ÉÁ,ˇo•Áse)åÁ[||]ā,•Áse}^Á;¦[]^¦|^Á ãj•œd∥^åÈ
- Ô@ &\Á&|}åããa|}Án,-Áa`•@a|*•ÁææÁa|[{ Án,ãc;cÁ][ā]o•Ása)åÁ@妿ĕ|a&Ás&î|ā]å^¦Ásæ)*•È
- Ò}• `¦^Án æ&@Á@ 妿ĕ|æ&Á&î|ājå^¦Ása Ásj•cæe|^åÁse)åÁ ¦^œaā,^åÁ&[;¦^&dîÈÁÔ}•`¦^Ás@^Á;¦[]^¦Árã^Ájā,•Á æh^Á•^åÁg Áh^œæð Ás@ Ásî |ð å^¦•Ás Áj Áj |æ&^Áæð åÁæð^Á •^&`¦^åÁ¦[]^¦|ÊÁUÚÙĒÓĒÆ€€GĞÖ



Þ^ç^¦Aææç^{]oAq[A|`a¦a&æær\EPæåbŏ•dEP(¦A'^{[c^A(aær\jäekA+[[Ac@\AQ]]^{^}A\$A\$#A\$| **▲WARNING** { [a] } Á Ä Á a&d | Á) * 3 ^ Æ Á* } } 3 * ÈÃ; jötben

PYOUOENSODASODO OAOD UUOO VOU Þ

- Ô@ &\ Á; ¦Á@ 妿 | & Án æ Án } * Á@ ^ ÉA & |ā, å^¦•Ása) åÁãcā) *•È ≒A DC FH5 BHÁÁÖUÁ⊃UVÁ ઁ•^Á[ˇ¦Á@æ)å•ÁqÁ&@&\Á;¦ÁįāμÁγæ)•ÈÁW•^ÁæÁ] and &n Andreau Andre @ 妿ĕ|ã&Án ãÁn^æð•ÈÁÁ
- Q.•]^&oÁs@^Á&[}åããã[}Á[-Ás@^Áçædç^Á[[`}cã]*È
- *Á*XXXUÚÙËÓËÆ€GH′Ö



AWARNING

] @ • a&aaa) Á}[, |^a*^aaa|^Ása) a Á\á|^aÁs, Ác@aA, ¦[&^a`¦^ÈÁkoùō⊯í□



Ùæà^¦

U]^\aea[\}Á\U^&a[\}Á\HHF

PŸÖÜŒŃŚŒĬÁÚWT ÚÐUĠŚÁŰÓÚÓÜXUŒŰ

Ô@\&\ Á;ājÁ^•^¦ç[āiÁ^ç^|Áæ;åÁ;ājÁ&[}åãæā;}EÁQCEååÁ

•]^&ã&&Áĉ]^ÁçãÁ[[D

Ô@a)*^Á@ 妿ĕ|a&A∱ajÁo^¦Áaa)åÁ@ 妿ĕ|a&A∱ajÁ æ&&[¦åā]*Á[Á[æā]c^}æ)&^Á\&@^å`|^È

Ò}• ` ¦^Ás@ ¦^Ásd-^Á; [Á;ā]Á/^æ \•Ásd} å Áãcā] *Ásd-^Á

Q.•]^&oA,ç^¦æ|Á&[}åãaã[}Á;-Á@妿ĕ|ã&Á,`{]È

Q•]^&oÁ, {] Áå¦ãç^Án @ædÈ



ÀWARNING

Offec^} cate } kAU alakozali/~! kOozali kan kada [ka@ AU!^•• * ' | ^ AU^|an -kOzali È

Ü^{ [ç^Á&æ]Á|[] | Âd[Á|^|a^ç^Á] |^^•• | Aà^-{ | ^Á|^{ [cā] * Á&æ]Á&[{] | ^c^| ÈĂÙæ Á&|^æ}Ád[] | ^c^| ÈÁ\æ Á&| & A&| & A&

AWARNING

 CTÇ[ãã ASC] } CŒ\$CA, ÃO @AQ CA* '|-æ\$A* AB; Se|* åB; * AQ å!æ | aBA4[āAœ;) * EA] * {] * EA([d[!* EAcæ; C^* Aæ; å @ * ^ÁSC] } } ^ SCĀ] } * EĀÝÜ^ | að; C^* Áæ; á!æ | aBA4[åA* - '|-^Á; A] ^ ! - [! { ā * Á(ææ; C*) æ; SA^[! Å, A] ææ] * E W* ^ Æ | [; C^* Áæ; åÁ* ^ ^Á; | [; C* SCĀ] } Á, @} Á* A* A* | [; C* SCĀ] \$ AÇ CA\$C | [; A* AĞ] \$ AĞ CA\$C | AK\$C | AK\$C | AĞ CA\$C | AĞ C

Ùæà^¦

 $U] ^{a}$ aga $A \hat{U} ^{a}$ $A \hat{U} ^{b}$ $A \hat{U} ^{b}$ $A \hat{U} ^{b}$ $A \hat{U} ^{b}$

JUVOĐÝ ÁP Ò OĐÔ ÁD Ù Ú Ô Ô VOU Þ

- ¨ Ò}•ˇ¦^Á; [ɗ¦Áà[|ơÁæ)åÁ,ˇơÁæ4^Áæ3@^}^åÁ[Á
 c@Áæ]]¦[]¦ãæe^Á;lĭˇ^È
- Ö} '¦^Á\ aà^|Æ, 4\ &q[| Á, 4, 4, 6] Å, [ã, 4] Å, 6
 } [o, 4, 2, 4] Å, 6
 } [o, 4, 2, 4] Å, 6
 } [o, 4, 2, 4] Å, 6
 } Å, 6, 8, 6

 A ã, 6, 8, 6

 A ã, 6, 8, 6

 A ã, 7

 A Ã, 7
- - @妿ĕ|a&Afa[Af^æd•È



Q.•]^&oÁs@Á&[}åããã[}Á;Áå^&\Á\ãåÁ @;^•Áæ)åÁ@eåå;æh^ÈÁUÚÙËÓËÆ€€GÍ

AWARNING



A DANGER

C目ÁÜæ^ċÁÜ@ð|å•ÊÃÖ æåå•Áæ)åÁ[c@¦Á•æ^ċÁå^çæ%·Áā &| åā *ÁGà œÁ}[œÁ]ā æçåÁḍ DÁË
Ö^-¼&q¦•ÊÃŪc^|ÁÕ æåå•Áæ)åÁÕ^æàā[¢ÁÜ@ð|å•Á(*•cÁà^Á •^åÁæ)åÁ;æājæāj^åÁā Á[[å
[',\ā] *Á&[}åãā]}ÈÁC日Á;æ^ċÁå^çæ%·Á@çæ%·Á@çjåk^Áā]•]^&c^åÁæ;△;∥^ÁææÁ,æjøåáÁ;æājæāj^Á[;Á,ã•ā]*
[',Áā;[\^}Æ[{][}^}œÞÁTā•ā]*ÊÁ;[\^}ÊĀ;[\^}ÊĀ;[;Áæç{•Á, *•cÁà^Á°A^A]]æ&ç寿f,}&çåKæf,å
@@Á][=•ãāāāčĀ;Æijb';^Á;Áå^ææÆ£[{ Áœ[]}Å;àb%&æÊA}æð]*(A^) ææÅÆæf,åæå^Æ[}ææÅÆæf)æð;ùт⊞ □

Ùæà^¦

U]^\aeaa[} AÛ^&ca[} AHËH

Boom PRE-OPERATION Inspection



O qy gt'**K**F %aaaaaaaaaaaaaaaa

Ocng aaaaaaaaaaaaaaaaaaa

F cvg<""""aaaaaaaaaaaaaaaaaaaa

Uj khy aaaaaaaaaaaaaaaaaaa

AWARNING

6 YZcfY WcbXi Wijb['h' Y']bgdYWijcbža U_Y'gi fY'h' Y'lfUWrcf'Yb[]bY']g'cZZžU``fchUrjcb'\ Ug ghcddYX'UbX'h Y'lfUWrcf']g']b'dUf_'k]h'h Y'dUf_]b['VfU_Y'Yb[U[YX"AU_Y'gi fY'h' Y a ck Yf']g'fYgh]b['cb'h'Y[fci bX'cf'gYW'fYmV'cW_YX'i d'UbX'U``\mXfUi `]WdfYggi fY'\ Ug VYYb'fY']Yj YX"

Table 1:

Kgo	Eqpfkklqp"cv"Uctv" qh"Ujkhv	Ur gelthe 'Eqo o gpw' kh'pqv'Q0M0
Vj g'Qr gtcvqtøi'O cpvcnlki'lp''yj g'\tcevqt		
Cmluchgv("f gecnı"ctg"kp"r rceg"cpf "rgi kdrg		
Vj g'o qwpvkpi 'htco g'dqnu'ctg'kp'r meg'cpf 'vki j v		
Vj g"dqqo "eqppgevkqp"dqmu"("rkpu"ctg"vki j v		
Vj gtg"ctg"pq"etcemu"lp"dqqo		
Vjg'j {ftcwrke'e{rkpfgtu'r kpu'ctg'\kijv		
Vjg'j {ftcwrke'r wor'j qug'eqppgevkqpu'ctg'\kijv		
Vjg'j {ftcwrke''xcnxg''eqpytqnu'hwpeykqp''rtqrgtn{		
Vj gtg"ctg"pq"rgcnkpi "qt"f co ci gf "j qugu		
Vjg'j{ftcwke'qkd'gxgdku'hwn		
Vj gtg'ku'pq'gxkf gpeg'qh'j {f tcwke'rgcmı		
Vj g'dref gu'ctg'pqv'ej krrgf. 'etcengf 'qt'dgpv		
Vj g'dnef g'dqnu'ctg'\ki j v		
Vj g"f ghgevqtu"ctg"kp"r rceg"cpf "kp"i qqf "eqpf kkqp		
Vj g"dqqo "uj kgrf u"ctg"kp"r rceg"cpf "kp"i qqf "eqpf kkqp		
Vj g'unkf ''uj qgu''ctg''kp''i qqf ''eqpf kklqp''cpf ''kki j v		
Vj gtg"ctg"pq"etcemı"qt"j qrgu"kp"dqqo "f gem		
Vjg"j {ftcwrke"o qvqt"o qwpvkpi "dqnu"ctg"vkij v		
Vjg"dqqo "jgcf"ur kpf rg"jqwukpi "ku"kki jv"cpf "nwdt kecvef		

Qr gtcvqtøu'Uki pcwtg<

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

Ùæà^¦

U]^¦æaā[}ÁÛ^&aā[}ÁHËFI

Tractor PRE-OPERATION Inspection



Oqy gt' KF %aaaaaaaaaaaaaaaa

O cmg aaaaaaaaaaaaaaaaaaa

Fcy<"""aaaaaaaaaaaaaaaaaaa

Ujkhv aaaaaaaaaaaaaaaaaaa

AWARNING

6 YZcfY`WcbXiW¶b['h\Y`]bgdYW¶cbžaU_Y`gifY`h\Y`lfUWrcf`Yb[]bY`]gʻcZZcU``fchUn]cb\UgʻghcddYX`UbX`h\Y`lfUWrcf`]gʻ]bʻdUf_`k]h\`h\Y`dUf_]b[`VfU_Y`Yb[`U[YX"AU_Y`gifYh\Y`ackYf`]gʻfYgh]b[`cb`h\Y`[fcibX`cf`gYWifY`m`V`cW_YX`id`UbX`U``\mXfUi`]WdfYggifY\Ug`VYYb`fY]YjYX"

Kgo	Eqpf kkqp"cv"Uctv" qh"Uj khv	Ur gelthle 'Eqo o gpvu' kh'pqv'Q0M0
Vjg'hrcuj kpi 'nki j wu'hwpevkqp''r tqrgtn{		
Vj g'UO X''Uki p''kı''engcp''cpf ''xkıkdırg		
Vjg'\ktgu'ctg'kp'i qqf 'eqpf kkqp''y kj 'r tqr gt'r tguuwtg		
Vjg'yjggn'nwi "dqnui'ctg"\kijv		
Vj g'tcevqt'dtcngu''ctg'kp''i qqf 'eqpf kkqp		
Vj g'uvggtkpi 'rkpnci g'ku'kp'i qqf 'eqpf kkqp		
Vj gtg"ctg"pq"xkıkdırg"qkıl'ıgcmı		
Vjg'j {ftcwke'eqpvtqnu'hwpevkqp'rtqrgtn{		
Vj g'TQRU'qt'TQDU'Ecd'ku'kp'i qqf 'eqpf kkqp		
Vj g'ugcvdgn/ku'kp''r rceg''cpf 'kp''i qqf 'eqpf kkqp		
Vj g'5/r qkpv'j kej 'ku'kp''i qqf 'eqpf kkqp		
Vjg"ftcydct"rkpu"ctg"ugewtgn("kp"rnceg		
Vj g'RVQ'o cuvgt''uj kgrf''ku'kp''r rceg		
Vj g'gpi kpg'qkt'rgxgrlku'hwn		
Vj g'dteng'hnwkf ''ngxgn'ku'hwm		
Vjg'r qygt'uvggtkpi 'hnwkf' 'hgxgn'ku'hwm		
Vjg'hwgn'ngxgn'ku''cfgswcvg		
Vj g'gpi kpg'eqqrcpv'hnwkf ''rgxgn'ku'hwm		
Vj g'tcf kcvqt 'ku'htgg''qh'f gdtku		
Vi g"alt "hkagt "ki" n"i gaf "banf klan		

Qr gtcvqtøu'Uki pcwtg<		

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

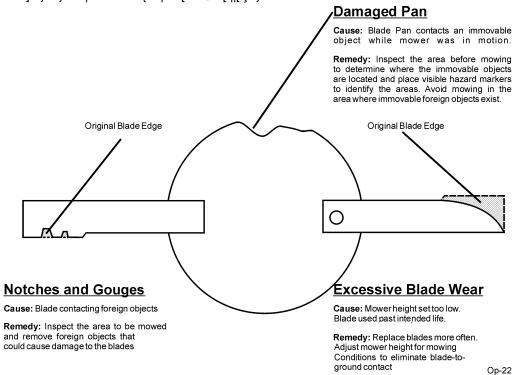
 $\sqrt{(28 \text{ Å})} \cdot] \wedge 8c\overline{a} \} \hat{A} \times [\{ \hat{A} \times \hat{$

Ùæà^¦

U]^¦æaā[}ÁÛ^&a[[}ÁHËFÍ

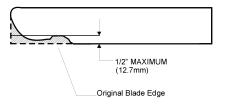
) " 7 i Hib[7 ca dcbYbh=bqdYWicb

Q.•]^86/áa|æá^Ájæ)áÁa)áÁa|æá^Áæ••^{à|^ÁA(;¦Ás@)Á(;||[¸ā;*KÁ/////ÚÜË/NË€€HF



A DANGER

- ‴Ó^&[{^Ásà^}ơÁ;¦Áså^-{¦{^åÁ;[{Ásōq Á;¦âtājæqÁ;@æ]^Á;¦
- ‴ OE;^Á&¦æ&∖•Áæ∻^Áçãrãa|^ÉÁ;¦Á
- ~ Ö^^] Á¹ [* * ^ Á§ Ás@ Ás|æå^q Á * ¦ -æ& ^ Ásd^ Á; ¦ ^ ^ } dÉÁ; |
- ~~ Õ[**^•Á; | Á&@4]] ^å Áæ4 ^æ Á\$, Ás@ Á&; œ3, *Á å* ^Áæ4 ^ Áæ4 ^ Áæ4 * ^ |Ás@æ) ÁFROGUÇFŒH { [DÁA; | Á
- ″ V@A, æe^¦ãæ (A, Ão@A, Aœ ãa, *A\å * ^A@ e Aà ^^} A, [¦}Ae, æê Aà ^A, [¦^Ao @ e)AFBOCFGE { D-



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

Ùæà^¦

U] ^ | ææāi } ÁÛ^&æāi } ÁHËFÎ

) '('6 'UXY'6 c 'h = bqdYWficb

Q.•]^&oÁÓ|æå^ÁÓ[|oÁP^æåÁåæãf^Á[¦Á¸^ækÁæ Á[||[¸^åK

Excessive Blade Bolt Wear

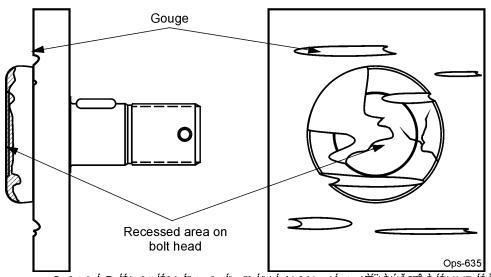
Cause: Blade Bolt contacts a foreign or solid object while Blade is in motion.

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.



Q•] ^ 86/x @ ÁÓ | æå ^ ÁÓ | lớ P ^ æå • Áà æậ ^ Á [¦ Áæà } [¦ { æþ Á ^ æð ÞÁÜ ÒÚ ŠŒ ÔÁÓU V P ÁÓ ŠŒ ÖÁÓU ŠVÙ Á; }

@ ÁÓ | æå ^ • ÁŪ T ÒÖ Œ SV ÒŠ ŞV Ás ÁN ã @ ¦ Áà | æå ^ Áa [| ø Áæ• K

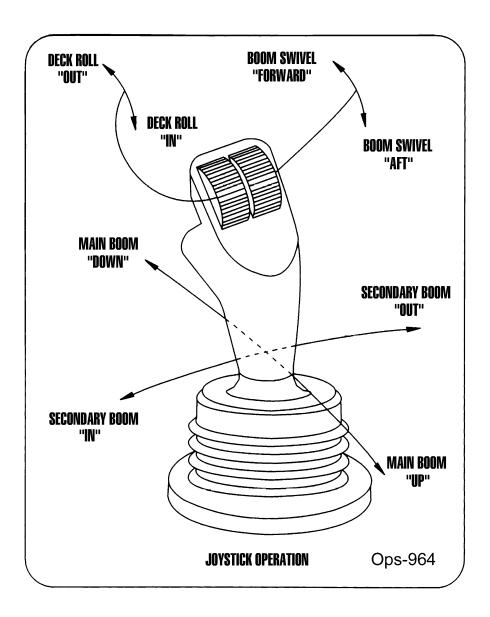
- ″Xã∙ãã |^Á&¦æ&\•Á(¦Á
- ‴ QÁÓ |æå^ÁÓ [|σÁ@æÁ*[`*^∙Á(¦Á&@3]]^åÁæ⇔èÈ

5`k UmgʻfYd`UWY′6`UXY′6 c`hgʻk]h\ 'bYk 'Vc`hgʻk \ YbYj YfʻfYd`UW¶b['h\ Y'6`UXYg"ÂU*ÚÙËWĒ€H*Ï

Ùæà^¦

 $U] ^{\text{laga}} \hat{A} \hat{U} ^{\text{scal}} \hat{A} \hat{H} \hat{E} \hat{I}$

* '>CMGH=7? '7 CBHFC@

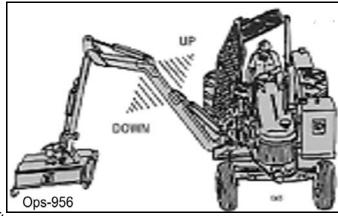


Ùæà^¦

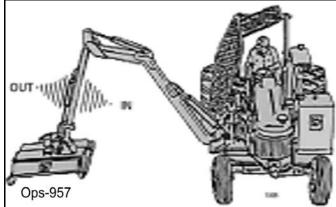
U]^\aea[} AÛ^&a[]} ÁHËTÌ

CD9F5H€B

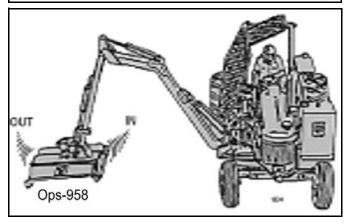
RUŸÙVOÔSÁØY EÓOEÔSÁT UXÒÙÁT OEDÞÁÓUUT



RUŸÙVÔSÁ ŠÒØVÐÜŐPVÁ TUXÒÙÁ ÙÒÔUÞ֌ܟ ÓUUT



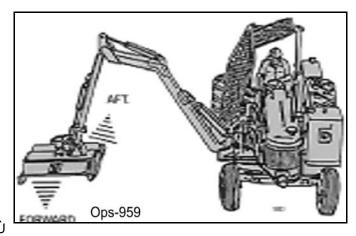
ŠÒØVÁRUŸÙVØĴSÁÜUŠŠÒÜÁT UXÒÙÁÖÒÔSÁÜUŠŠ



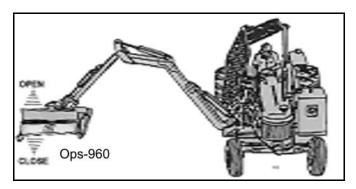
Ùæà^¦

U]^\aea[\}ÁÛ^&ca[\}ÁHË]

ÜŐPVÁ RUŸÙVÓDSÁ ÜUŠŠÒÜÁTUXÒÙÁÓUUT ÙY OXOŠ



ÙPOÒŠÖÁ ÙY QYÔPQ }Á•, ã&@Áà[¢DÁ UÚÒÜŒVÒÙ ÙŒZÒVŸÁJPOÒŠÖ



* '%Gk]HW Vcl



Ùæà^¦

U]^¦æaā[}ÁÛ^&aā[}ÁHËŒ



SAFETY SHIELD & DEFLECTOR OPERATION



- Failure to close Safety Shield and Deflector may allow objects to be thrown outward with great force which can cause property damage, bodily injury, or death.
- Keep Safety Shield and Deflector fully closed when cutting grass and weeds to reduce possibility of objects being thrown outward by the Blades if persons are in the area.
- 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.
- Repair or replace Safety Shield and Deflectors as needed.
- Always transport with Safety Shield and Deflector closed.

02967867

AWARNING

Þ^ç^¦Á\$^æç^Ác@^Á([,^¦Á`}ææc^}å^åA¸@\$r^Ác@^Á@æååAā^ÆjÁc@^Á'æā^å][•ãtāj}ÈÁÁ'@^Á([,^¦Á\$[`|åÁæ|Á\$æ*•āj*Ár^¦āj`•Áājb`¦^Át[Áæ}^[}^Á, @ {ā'@Á\$jæåç^¦c^}d^Ásh^Á}å^¦Ác@Á([,^¦∞kpót#b

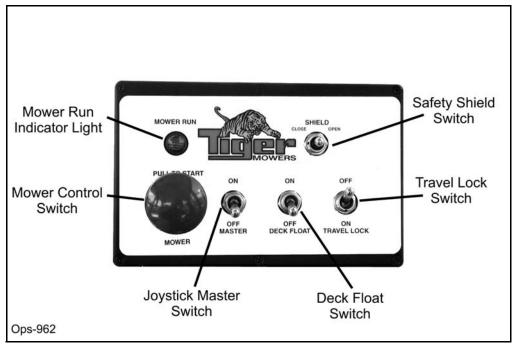


▲WARNING

Ùæà^¦

U] ^ | aecāi } ÁÛ^ &cāi } ÁHËGF

* "&: A U]b: 7 cblfc`: Gk]hW(: 6 cl



AWARNING

QÁciæ&d[¦ÁrcædorÁ, ão@Ár, ão&@Ár} ÉÁc`¦}Ár, ~Áciæ&d[¦Áæ)åÁ&[}cæ&dÁ([`¦Á[&æ)Áv2i^\¦Ái&æ)Á(}+æ)åÁ&[}cæ&dÁ([`¦Á[&æ)Áv2i^\¦Ái&æ)Á(;+æ)áÆcæ)&\È

≜WARNING

ÞUVÒKÁBC BCHÁ;]^¦æe^Á;[¸^¦Á@æåÁ, @ǎ^Áa[[{ÁĕÁB,Ác@Áa[[{Á^•cÂÜ^åÆū[¸^¦ÁÜ`}+ |at@ÁB,åa&æe^•Á;[¸^¦ÆáÁBJÞ+Á,@}Ádæád;¦Ár}*āj^ÆáÁ`}}āj*È

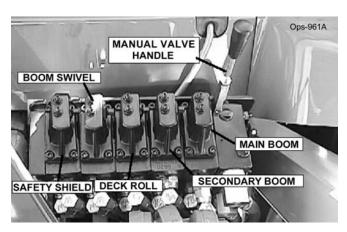
V@Áa[[{ Á~`}&cā[}•Áæ<^Á&[}d[||^åÁa^Áæ)Án|^&d&QÁb[^•cæ&\ÉW@ÁF[^•cæ&\ÁTæ•c^¦ÁÙ¸ã&@Án}æà|^•Áæ\Áb[^•cæ&\ÉW@ÁF[^•cæ&\ÁTæ•c^¦ÁÙ¸ã&@Án}æà|^•Áæ\Áb[}d[||A;¦Á&[}d[||A;‡Áx@Áa[[{ Á;[cā[}Á~`}&cā])•ÉÁV@áA;ã&@Áæ\ÁgÁæ\ÁgÁæ\ÁgÁæ\Áb][-ãæ[}Á;@}Árææda]*Áæ@ dæ&d;¦Áæ}åÅ,@}Aa[[{ÆrÁd¸^åÁ;¦Ádæ)•][¦dā]*Ás@Á,æ&@3)^È

A CAUTION

8 C B C H Á see? {] c Á [Á] ^ | æe ^ Á s @ Á şæ † c ^ Á [æ) ~ æ | ^ Á [| Á [] ā * Á] ^ | ææ ā } • Â

A CAUTION

Ùæà^¦



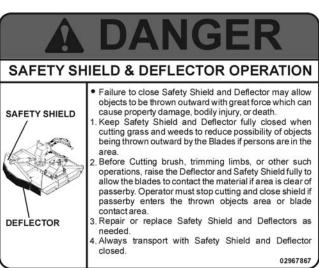
 $V @ \acute{A} = c^{\dot{A}} \mathring{A} = c^{\dot{A}} = c^{\dot{A}} \mathring{A} = c^{\dot{A}} = c^{\dot{A}$

A CAUTION

A CAUTION

 $V@ \mathring{a}_{a}^{k} \mathring{a}_{b} \mathring{a$

V@ÁÛæ^ċÂÛ@â\åÁţã&@Á]^>•ÁæàåÁ&|[•^•ÁœÁæ°Á@â\åÁ[&ææ°åÁ;}ÁœÁ;];oÁ;ÆœÁ&čœ°\Á@æåĚÝ @}Á;[;ā;*Áæc [¦Áj^æÁœÁ*;[`}åÊæţ,æ••Áœæç^ÁœÂ°@â\åÁgÁœ^Á&][•^åÁj[•ãæj}ĚÝ @}Á;[;ā;*ÁæÁæ; *![`}åÁ/ç^|ÁœÆ*@â\åÁ;æÁà^Á;]^}°åÁ;¦Á°ææð\Á&čœā;*ÊÜ^æåÁæ;åÁţ||[¸ÁœÁ¸æb}ā;*•Á;}ÁœÆå°&æþ́*@]} à^|[¸È



A CAUTION

V@ÁV¦æç^|ÁŠ[&\Á`}&æj}Á[&\•ÁœA(Á;[, ^¦Á@æåÁa,ÁœA() Ëtā @Á][•ãtā]}Á[¦Á[æåÁdæç^|È Ú¦^]æb^Á}ãtÁ[¦Átæç^|Ás^Á[||ā;*Ás^&\Æ[{]|^c^|^Á;óQ[, , ^¦Ás^&\Â[,||^åÁsæ&\Ææåbæ&^}óA[•^&[}åæb^Æ][{ BDV@}Á,læ&^Á;æd,Ææ)åA*,&[}åæb^Æ][{ •Æ;Æi[{ Á^•ŒÈV@Á/æç^|ÆS[&\ •,ãt&@&æ)Á[,Æs^Á*);æb^Á;*æt^åÈ

 $\begin{array}{l} \text{PUVO}(\hat{A}) \otimes \hat{A} \otimes$

Ùæà^¦

+'8F=J=B; H<9 HF57 HCF 5B8 = A D@9 A 9 BH

Ùæ^Ádæ&d; lÁdæ)•][lơÁ^ˇ ảỗ^•Ác@Á[]^læq[lÁtÁ][••^•ÁœÁc@l[ˇ*@Á][]^å*^ÁtÁ@^Á[å@A]*Á[]^lææ^å æ)åÁ]l^&æčdā]}•ÁtÁæ\^Á @A^Áalāçā*Á ão@Áæ)Áæææ&@åÁā[]|^{ ^}dĚO}]•´l^Ác@Ádæ&d; lÁ@æ•Ác@Á&æ}æ&ãcÁt @æ)å|^Ác@Á¸ðā @Af,Ác@Ás[[{ Ásæ}åÁc@Ádæ&d;lÁ]]^lææā*Á&[}d[|•Áse\^Á\^óÁ[lÁæ>^Ádæ)4][ldĚÁV[ÁY}•ˇl^Áæ>^c ¸@A^Áslāçā*Ác@Ádæ&d;lÁ¸ãc@ÁsæÁd[[{ ÊÁ\çã\]As@Af, [[] ā]*É

S^^]Áad|Á,^¦•[}.©Á,^||Ás|/ædÁ,Á;.Á; [_,^¦Á•ã,&^Ás|æå^•Ásæa)Ác@[,Á;àb^&o•Á,ãc@Á;¦^æaÁç^|[&ãcÁ;¦ÁæÁs[}•ãa^¦æà|^ åãeæa)&^ÃÁSÒOÚÁÔŠÒOEÜÃÁU*ÚÚÙÉ*ÓÉÆ€€Í

A DANGER



AWARNING

Ùæà^¦

U] ^ | ææā[} ÁÛ^&æā[} ÁHËG

AWARNING

aa) åÁalaa.^•Áas^Áa, Á[[åÁa(}åãa() åãa() Áa) åÁ[]^læc^A,l[]^l|^E Ó^-{;\^Ád;æ}•][¦cā}*Ác@:Á\!æ&d[¦Áæ}åÁQ;]|^{^}cĒå^^c\!{ā}^Ác@:Á;![]^¦Ád;æ}•][¦cÁ*]^^å•Á[¦ ^[`Áæ}åÁc@:A``āj{^}cĒÁTæ}^Á`¦^Á[`Áœàãā^Ás^Ác@:Á[|[;ā]*Á`|^•K

V^•_oks@Ada&kd[¦Áæ¢ÁæÁ|[¸Á•]^^åÁæ)åÁ§&l^æ•^Ás@Á]^^åÁ∮[¸|ĵÈÁŒ]]|^Ás@ÁÓlæè^•Á∮{[[œ¢ d Anno [3 ^ Aco A d]] 3 * As consider A a case A Aco Av as a AQ] [(^) day of A [As & Aco Av as a law of Aco Av a law of Aco Av as a law of Aco Av as a law of Aco Av as a law of c@Á•]^^åÁ[Ác@ÁV;æ&d[¦Ác@Á•d]]ā*Áåāæa;&^Áã&i^æ^•ÈÁÁÖ^¢;{ā,^Āc@Á(ææã;~{dæ;•][;cÁ]^^åA, Cæ;Á;]@ÁÇ#EÁ]@DÁ;¦Ádæ;•][;cā,*Ác@Á;~ã,^Č

U}|î,Ád;æ}•][¦cÁq@^Á/¦æ&q;¦Áæ}åÁQ;]|^{ ^};oÁsæáy®Á;]^^å•Á;@&@&æ|[,Á[ǐÁq;Á;[]^¦îÁ&[}d[|





+"%GtUftib["t\ Y"HfUWtcf

V@Á![&\å`!^Á[Áœdók@Ádæ&d;lÆáÁ[å^lÁ]^&ãæ&E Ü^^!Á[Áœ]Ádæ&d;lÁ]^!æ[lqÁ æ) æjÁ;lÁ•ææd;*]![&\å`!^•Á[¦Á`[`!Á]ædæX;læÁdæ&d;lÆÁO[}•`joÁæ) æ`@!ã^åÁå^å^æ\A;lÁãÁæ@Á•ææd;*Á]![&\å`!^Áã "cada" × Ás@ Ás a&d ¦ÉÁNUÚÙÉNÆ€HH



Ùæà∧¦

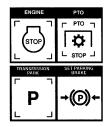
+"&6fU Y'UbX'8]ZZYfYbhlU'@cW'GYhlb[

Oૉ, æê•Áàā^} * æē^Ác@Ádæ&c[¦Áàā~\'^} cãædÁ[&\Á,@}
c°¦}ā,* EĂY @}Á\} * æē^Ác@ Ádæ&c[¦Áàā~\'^} cãædÁ[&\Á,@]
|'^c^} cÁ[¦Á|ā]āóAc@Ádæ&c[¦Á-+[{Ác°|}ā,* EĂÖ°¦ā,*
}[¦{ædÁ&°ccā,* Á&[}åãāā]}• EĂ|[&\ā,ā,* Ác@Áåā,~\'^} cãæd
]¦[çãå^•Á;[Æa^} ^-Ãaóæa,åÁ,@° |åÁ;[cÆa^Á•^åEÁÁ

UÚÙËNÆÆ€FH



A DANGER



▲WARNING

Þ^ç^¦ÁŠ^æç^Ác@^Á([, ^¦Áĭ}ææc^}å^åÅ, @\$t^Ác@^Á@ æåÅæiÁā, Áā, Ác@^Á¦ææi^å][•ãāā;}ÈÁÁ'@^Á([, ^¦Á\$[ĭ|åÁæd|Æ\$æĕ•āj*Ár^¦ā[ĭ•Áājbĭ¦^Áq[Ææ}^[}^Á, @ {ã@Æjæaåç^¦c^}d^Ás^Á}å^¦Ás@Á([, ^¦∞Æpót#b



Ùæà^¦

+" '8f]i]b['l\ Y'HfUWcf'UbX'6cca

\(\frac{1}{\Ac} \) \(\frac{1}{\A

V[Áœç[ãáÁ;ç^¦č']}•Éá¦ãç^Ác@Ádæ&d;¦Áão@Á&æA^Áæ)å
æÁ•æ^Á]^^å•É4^•]^&ãæ|^Á, @}Á[]^¦æã;*Á[ç^¦
¡[`*@Á*;[`}åÉA&[••ā;*Áåã&@•Á[¦Á•|[]^•ÉAæ)å
č';]ā*Á8[;}^!•Ä W•^Á ^¢d^{ ^Á &æ dī}Á, @}
[]^!ææā;*Á;Àc^^]Á[]^•E\$S^^]Á@Æ;ææd;!Æ;Ææ[;%]
*^æÁ;@}Ä[ā;*Ás[,}@A|É¥ÖUÆÞUVÆQæod;!Á;^^Ë
@^|Æ[]}@¶É



Ùæà^¦

U]^¦æaa[}ÂÛ^&aa[}ÂHËGÏ

, "CD9F5H=B; "H<9"6CCA" | B=H"5B8"5HH57<98"<958

H<9 CD9F5HCF AIGH 7 CAD @9 H9 @M IB89FGH5B8 < CK 'HC'CD9F5H9 'H<9 'HF5 7 HCF'5B8 ACK 9F'5B8'5 @@7 CBHFC @G69: CF9'5HH9 A DH+B; 'HC'A CK "Á/@ $\frac{1}{4}$] ^ $\frac{1}{4}$ * o. \frac

 $\begin{array}{l} V_{1} \triangle A > \bullet^{-1} \triangle A = A \\ A > \bullet^{-1} \triangle A > \bullet^{$

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

Cīc[āáÁ]^\acada*ÁB,Ác@Á^c^\•^Áåā^&cāj}Á@}Á@}Á[••āá|^ÉÁQ)Áāc æaāj}•Á,@\^Ác@Áà[[{ Áæ)åÁ[, ^\Á(`• óÁà^à àá Áa& Áa)åÁ[, Aco Áà Áa Áa& Áa)åÁ[, Aco Áa]åÁ[, Aco Áa)åÁ[, Aco Áa)åÁ[, Aco Áa)åÁ[, Aco Áa)åÁ[, Aco Áa]åÁ[, Aco Áa)åÁ[, Aco Áa]åA[, Aco Á

AWARNING

AWARNING

AWARNING

AWARNING

| Þ^ç^¦Á[]^¦æe^Ác@Á[_,^¦Á@æåÁādc^åÁā[_,}Á,@¦^Ác@Á[]^¦æe[¦Á&æ;Ár^^Ác@Áā]æå^•Á;Ác@ | { [¸^¦ĒN@Áà|æå^Á&[*|åÁc@[¸Áæ)Ájàb'&cÁq,æåáAc@Á]]^¦æe[¦Á&æ;•ā]*Á•^¦ā]*•Áājb'¦^Áj¦ å^æc@ŽÞ^ç^¦Á[]^¦æe^Ác@Á[¸,^¦Á,ãc@;oÁæ}ÁU]^¦æe[¦ÁU¦[c^&cãç^ÁUd*&c'¦^ÈÆG;æé•Á,^æ •æ^c^Áa[æ••^•Ææ;åÁæéæååÁææÉÆGU]•ËEEEÉÉETÖÜÔD

Ùæà^¦

U] ^ | ææa[} ÁÙ ^ &ca[} ÁHĒGÌ

<u>, "%: cfY|[b'8 YVf]q'< UnUfXq#CiYf\YUX'CVqlfiWf|cbq</u>

CF, Á±+^æÁ[Á\$^Á&` CÁ; *• CÁ₫• CÁ\$^Á\$;•] ^&C*ÂÁ; IÁ; Àtò &o Átô@æÁ\$[` |åÁà^Átô@[_ } Á; IÁtô@æÁ\$[` |åÁåæ; æ* ^Átô@Á; æ&@} ^È
Yæ\Ác@[** @Ác@ Áæ+^æÁ|[[\] * Á+[IÁ-^} &^• ÊÁe] ` |å^!• ÊÁ! [&\• ÊÁ&` |c^!• ÊÆ• c {] • Á! IÁ(^cæ}Á! àtò &o ÊÁT æ\Ác@
3;•] ^&C*ÂÆ+^æÁ; ãtôAæ*• ĒÁCÁ® Áæ+^æÁ; Á\$^} •^ Áæ} à Æ&æ} } [OÁA^ À æH^^åÁq@![** @ ÆtÁ* Á; Æ*+ Aæ*+ Aå Æ*, Æ** Aå Å** Aå Æ** Aå

Ü | a&\ ÁÖ OÞ Õ ÒÜ Á å } • ÁæÁ\ æ oÁ + EEÁ\ ^ oÁà ^ [} å Ác@ Á ^ 1] ~ c \ Á; Ác@ Áæ ^ æÁ; Áà ^ Á; [\ ^ å ÉÀ; [oÁŏ • oÁ + EEÁ\ ^ oÁ; [{ @ \ ^ Ac@ Á; Ac@ Áæ ^ æÁ; Acæ ^ á A;] ^ | ææ } ÄÁOÁ\$ Æ [} c ^ } æ } oÁ; A; Æ Acæ ^ Æ Æ } eÉY [ç ^ Ac@ Áa • oÆ æ ^ Æ æ / æ Acæ / æ Ac

AWARNING

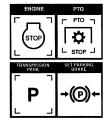


AWARNING

Ta)^AçadañáA[àb/8.co 日本 & @ Ada A ā^ EA 8 ada | / EA [] ^ EA [| A 8 @ ada] • EA 8 ada A 8 [{ ^ A^ } cad) * | ^ a A 6 A co [] ^ | a ada A fa ada

AWARNING

A DANGER



Uæà^¦

U]^{aeai} } ÂÙ^&ai } ÁHËGJ

<u>, "&'CdYfUhlb['GdYYX'UbX'; fcibX'GdYYX</u>

Õ¦[ˇ}åÁ•]^^åÁã·Áæ&@^ç^åÁà^Ádæ)•{ã•ã}Å*^æÁ•^|^&æi}Áæ)åÁ}[ÓÀà^Ác@Á*)*ä¸^Á[]^¦ææi;Á*@}*Á*@]^^åÉÁV@ []^¦ææ[¦Á;æÁà^Á^ˇ¸ã^åÁ;Á°¢]^¦ã;^}oÁ¸ãæ@Á^ç^¦æÁ*^æÁæ)*^Á&[{àã;ææi}}•Á;Áå^¢\;{ã,^Áœ,Áà;^•o⁴*^æÁæ)å [æ)*^Á;@&@Á;¦[çãa^•Áœ)Á;[•oÆa^æA;^¦-i;[æ),&^Á;[{Áœ,Ái]|^{^}}oÁæ)åÁ;[•oÆaæ];ÓÁ;ææi;Áj]^¦ææi;ÈÃOE c@Á^ç^¦ãcÁ;Æ&`cæ;*Á&[}åãaj}•Ás&\^æ•^Ê&@Á;[ĭ}åÁ]^^åÁ;@*ÿåÁà^&\^æ•^åÈÚÚÙÉÖÆ€€J´ÙÓÜ

A DANGER



AWARNING

" 'Ack Yf 'CdYf Uricb

U } & ^ Á [} Á [& æ æ ā] Ê Á [^ | Á c @ Á [_ ^ | Á å ^ & \ Á • | ā @ f æ ā [ç ^ k @ Á [_ ^ | Á å ^ Á k c d à [k @ Á [_ ^ | Á å [^ • Á] c @ æ ç ^ Á q Á • cæ d Á *] å ^ | Á æ Á ā æ Ā [k æ á æ ā i Á g æ Ā q i k æ á æ ā i Á g æ Ā q i Á æ Æ Ā [_ ^ | É Ö | ð * Á d æ Æ ā | Á U È Ú Ē É Ă] Á Ā f F J € Ē C O € É Á Ü È Ú Ē É Æ å å Á g c k `m Á [_ ^ | Á å ^ & Á q Æ i [` } å | ^ c ^ | É



Ùæà^¦

U]^¦æafa[}ÁÛ^&afa[}Áh∐H€

AWARNING

Y @} Á[ææā] * Á¸ æṭo Áæ†^Á⏠Á¸ [cāɪ] ÊĀ^\āi¸ * Á⏠bʾ l⏠Áæ Á¸ &&` lÁæÁ¸æě cāɪ] Áæ Á¸ [cÁ·•^å Á¸ lÁææð¸ *^! ã; Á¸ [cÁ^&I * } ã ^å ÉÁP^c, c^! Áæd] [, Áà·• æð å^!• Á¸ ão@ã Á \$\$`ZYYHÁ¸ Áo@Á¸ æ&@ã, ^Á¸ @} Á⏠Á¸ lææã; } È Ò¢d^{ ^Ææð^Á¸ @` |åÃå^Áæð^}¸ Á¸ @} Ÿ] ^!ææã; *Á¸ ^æð Á[[•^Á¸ àb'&o Ē' & Áæð Á¸ ææ¸^|Ē &\•Éæð å å^à!ã; ÉV@•^Ƹ] åããã; }•Á @¸ |åÁå^Áæç[åå^åÈ

<u>, "(`)\$Î`UbX`*\$Î`6cca`FcHJfm6fiq\`AckYfq</u>

 $V@\dot{A}@!\tilde{a}[\} cadd][\bullet \tilde{a}\tilde{a}] ? \dot{A} +

A CAUTION

 $Y @ \} \acute{A} \circ \vec{a} * \acute{A} \circ \mathring{A} [\ ceh^{\acute{A}} \circ \mathring{C} \circ \mathring{A} * \acute{A} \circ \mathring{C} \circ \mathring{A}) \stackrel{?}{A} \circ \mathring{A}

A CAUTION

 $\begin{array}{l} \dot{U}[\ \ ^{1}\ddot{a}] * \dot{A}_{0}@\dot{A}_{0}[\ \] \left[\left\{ \begin{array}{l} \dot{A}_{0}[\ \] \right\} \dot{E}_{1} | & \dot{A}_{0}| * \dot{A}_{1} | & \dot{A}_{0}| & \dot{A}_{$

¦ää^Ac@ AS』़ेc& @Ex@āA, व∥A&æ`∙^A¦.¦^{ æs`¦^AS』़ेc& @Aæaî`¦^िEH\Y`Yb[]bY`g\ci`X`bch`VY`cdYfUhYX`Uh`Ubmil]a Y`Ur acfY`N\Ub`&(\$\$`F'D'A\"cb`N\Y`H`UWrcf`hUW\caYhYf"

A CAUTION

A CAUTION

QÁ([aæt^Áæn]•Á;}Á([]Á;Á([, ^¦Áå^&).Á&æ*•ā;*Ádæ&d;¦Á(Áa^&).4((, ^Á;)•ææ).[^ÉÁ([, ç^Ás@*Áà[[({ %a[; a±å+Áæ;)åAku];exÁ(Á;)ā*ç^Áæ]]ā;*Á;Á@Ádæ&d;¦ÉÁŠ[, ^¦Á([, ^¦Áå,^&).Á(A;)*)åÁæ;åÅ.@cå[,}ÁÁ;[, ^¦Áå,^&).Á([, ^¦Á;)*åÁæ;åÅ.@cå[,}ÁÁ;[, ^¦Áå,^&).È

 $\begin{array}{l} O \wedge * \vec{a} | A \otimes \vec{A} \otimes \hat{A}

AWARNING

QÁà^•œa)å^¦•Áæa]]¦[æ&s@Á¸ão@a)ÁH€€Á^^oó,@aj^Á([¸^¦Áæ;Ás,Á[]^¦ææā[}Áč¦}Á([¸^¦Á•¸ão&@%LØØÁÁā[{^åãææ^[^Áo@e*á|^•œa)å^!•Áq[%LJØØÁÁā[{^åãææ^|^ÃhŒe*lÁ•@`œå[¸}ÊÁ}^ç^¦Á|/>ææ;^Ác@`Ádæ&q'¦Á[¦Áæd|[¸Áà^•œa)å^!•Áq[æa]]¦[æ&s@Á¸ão@ajÁ\$;:99HÁ;-Áo@`Á}ãoÁ}ãó#q[[át]*Áq[]•Æs[{]|^e^|^E

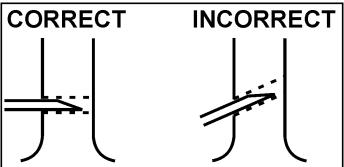
 $\begin{array}{l} O \wedge * \vec{a} \not A & \text{as} \otimes \vec{A} & \text{as} \wedge \vec{A} & \text{as} & \text{as} \wedge \vec{A} & \text{as} & \text{as} \wedge \vec{A} & \text{as} \wedge \vec{A} & \text{as} \wedge \vec{A} & \text{as} \wedge \vec{$

Ùæà^¦

åã^}*æt^Ào@Á;[、^¦Ê&aa}åÁ^ċ¦}Áa[[{ÁqíÁæÁæ^Ádæç^|Áj[•ãnā[}ÈÜ^ċ¦}ÁqíÁcædoā]*Á;[ā;oÁæ)åÁ;æd^Á,^¢oÁ;æ•êÊ ^&È

CEe^¦Ác@^Áđ•ơÁ æê Á[-Á[]^¦ææā[}ÊÁæd|Áa[|o Á+@]*|åÁà^Á&@&\^åÁæ)åÁæð åÁæð åÁæð åÁæð **.^|^ÈÉV@æÁ æí@]*|åÁà^Áå[}^]^¦ā[åææd|^Á[Á}-Á;A®Æá[|o Áa[]o Áa[A][o Áa[A][o Áa][Á][o Áæð åÁææ*•^Áaæ æt ^Á[Áo@Ádæ&c[lá[lá]lá][o Á=B]b ¦^Á[Áo@

Y@^}Á&~`ccāļ*Ád:^^•Áse}åÁsi¦`•@Áse]]¦[æ&@Á;æe^¦ãse} V@^Á&`ccāj*Á^å*^Á[-Ác@^Áà|æå^•Á•@[`|åÁà^Ác@ [}|^Án|^{ ^} @^Á§IÁS|} cæ&soÁ, ãc@Á ææ^¦ãæeþÉV@^Ási|æå^ àædÁn@[ĭ|åÁn[oÁ&[}cæ&soÁ,ão@Án æe^hãædÉÁv@eÁn[,^h]^\]^}å&&`|æe|^Á&jq[Ác@^Á;æe^\¦æee\kåæe@\\Á[;^\;āj* c@\A\[_^\A@\ae\A\]\A\[]\A\\ae\\ae\\ae\\ae\A\@\A\ae\\ae\ àædÁnå*^•Ándo-Án[`*^åÁn[`}å^åÁd[{ Á, ^ædÉnc@ { [^ | Á@ æåÁã Áà^ā * Á` • ^ åÁā &[| | ^&d^ Áā Áæ} æà`•ãç^Á; æ}}^¦ÈÁV@ Áà|æå^Áàæ¦Áā Á;[oÁā;c^}å^å^áK; & oÁ(aec^lãedyÁ;lÁqíÁà∧Áæó,l^adÁãc^{Áã^AÁc@ Áà|æå^•È c@^Á*¦[ˇ}åÊÄ[&\•Á;¦Á•[|ãåÁ;àb^&c•ÊÄÔ[}œ&sóÁ;ão@ c@^Á*;[`}åÁ&æ)Á^•`|cÁā,Á[&\•Áæ)åÁ•[|ãåÁ;àb^&o• @\$&@\$\$æ)Á\$æĕ•^Á•^¦ā[ˇ•Á5]bˈ¦að•Áq[Ác@)Á[]^¦æe[¦ aa) å Ánà ^ • caa) å ^ ¦ • ÈÁV @ā Ácî] ^ Á[-Á[] ^ ¦ aæa[] Á&aa) Á[^ aæå of Ánà^}oÁn;¦Ánà;[\^}Ánà|ænå^Ánàæd•ÉAnà;[\^}Ánà|ænå^Ána[|o• æ) å Áà | [\^} Áà | æå^ Áà æ Áæ•^{ à|^ Áà [| • Á @ & @ & @ A à^Áåæ)*^¦[ˇ•ÁqíÁs@^Áq]^¦æe[¦Áse)åÁà^•œe)å^¦•È



The cutter deck should be level with the ground to reduce the work required by the cutter and tractor to minimize equipment wear and damage.

¢JÚÙËÜËŒ

<u>, '') `* \$Î `6 cca `FchUfm; fUgg`Ack Yf</u>

V@Âl€+Âa[[{Ál[œc}^Át¦æ••Ál[¸^\¦Á æ•Ás^•āt}^åÁ[¦Á&čœd*Át|æ••Ál}|^ÈEV@Á&čœ^¦Áa]^^åÁl; *•oÁà^Ál; æædædå^å -{¦Áj¦[]^¦Á&čœd*ÈM[Ág•*¦^Áo@æcÁo@Á&čœ^¦Áæ•Á.[œæd*ÁæóÁ!ææði; æ¢ði; {Á-]^^åÉA'}}Ádæ&d¦ÁæóÁ; |Áo@[œd^Áåč¦ði* {[¸ði*Ál]^¦ææði}•ÈCæÁ&čœ^¦Áæ••^{à|^Á*|[¸•Át[Åc@Á][ðio&æcÁo@Á}ão^•Áæd^Á[låði*Áàæ&\ÉA[[ç^Ac@Á[]¸^¦@æðÁæçæÁæβÀ£[{Ac@Á[]åði*Áàæ&\ÉA[]ç^Ac@Á[]¸^¦@æðÁæçæÁæβÁ£[{Ac@Á[]åði*Áàæ&\ÉA[]ç^Ac@Á[]¸^¦

Ö`¦āj*Á;[¸^¦Á;]^¦ææāj}ÊÁc@,Á@æjåÁc@[cd^Á; ˇ•ÓÀà^Á;Á;æájææājÁr}*āj^Á;]^^åÁææÁFJ€€ËCC€€ÄÜÈÉÉFÈÁV@æ]¦^ç^} ♂AæååBædÁ&@æj*^•ÁājÁ;[¸^¦Á]ājå|^•Áa]^^åÉÁnå*&āj*Áœ@Á;[••āàājácÁ;Á&*ccº¦Áæ••^{à|^Ásæá;æē^È

 $V@\dot{A}@!\tilde{a}[\ cap\dot{A}][\bullet \tilde{a}\tilde{a}] \ \dot{A} + \dot{A}$ læ•ÈÖæ e æ*^Át Ác@ Á }ãcÁ æ Á^• ` lcÈ

A CAUTION

 $Y @ \} \land \bullet \eth_{\sharp} * \land \varpi \land f_{\sharp} (\text{a} \land \text{b}) \land \bullet \bullet f_{\sharp} (\text{a} \land f_{\sharp}) \land f_{\sharp} (\text{$a$$

A CAUTION

 $\dot{U}[\ ^{1}\vec{a}] * \acute{As}@ \acute{As}[\ [\ ^{4}\vec{a}[\]\) E \acute{A}_{1}^{1} & \mathring{A}_{2}^{1} * \acute{A}_{3}^{1} [\ ^{0}\vec{a}] * \acute{As} \acute{As$

M. ÁN.) • ` I^ÁæÁ8I^æð Á8` ŒÃN} * ¾ ^Án] ^^åÁn @ ` |åÁà^Ái æð æð ^åÁæÁæð] | [¢ã æ¢^| ÁFJ€€Ë3G€€ ÜÉJÉ ÉÁÆÁ® ÁI æð æð | ÁFJ€€Ë3G€€ ÜÉJÉ ÉÁÆÁ® ÁI æð Aæð ÁI Á æð ÁI ÁN. • ÁÇæð ÁFI €€ÁÜÉJÉ ÉÁ ŒæÁţ ÁœÁ, ¢œÁ[¸ ^IÁ ^æÐÖUÁÞUV lað ^ÁœÁß` œæÁg Á ¾ ¼8æĕ • ^Á I ^{ æ ' I ^ÆI œæÁæð I ^EHN Y'Yb[]bY'g\ ci `X' bch'VY'cdYfUHYX'Uh'Ubmihja Y'Uh

a cfY'h Ub'& (\$\$'F'D'A'"cb'h Y'HUWcf'hUW ca YhYf"

Ùæà^¦

U] ^ læqā[} ÁÛ^&cā[} ÁHËHG

<u>, ''* ') \$Î '6 cca ': `U</u>ſ`



AWARNING

 $\begin{array}{c} U] \wedge | \operatorname{acc}_{A} * \acute{A} \circ @ \acute{A} \{ [\ \ \, \land \ \, \mathring{A} \, \acute{A} \otimes (\ \ \,) \land \ \, \mathring{A} \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \land \ \, \mathring{A} \otimes (\ \ \,) \wedge \ \, \mathring{A} \otimes (\ \ \,)$

▲WARNING

V @ ÁÍ € √Áa[[{ Á | azāļÁ&` co^¦Á• @ eo Áā Áa^•āt}^å Áa [Á• cæ) å æ å á Á[cæcāt} Á Ģ æ { ^Á[cæcāt} Áæ Ác@ dæ&c[lÁ¸ @^|•Áa ˈl⏠* Á-[; æ å Ád æç^|DEABYj Yf` cod Yf UhY` h\ Y` Wi HhYf` g\ UZħi]b` fYj YfgY fc Hunjc b "Áu] ^ | ææð * Ác@à Át [¸ ^ | Ás Á^ç^|•^Á[cæcāt} At æ Ásæě•^Át à b^8 c• Át Æa^Ác@[¸ } Át ó Ác@ ↓[] o Át Ác@ Æt [¸ ^ | Á@æå E

AWARNING

 $V@^{A}_{i} \in \mathcal{H}_{a}[[\{A_{i}^{A}_{i}^{A}_{i}^{A}\}^{*}]^{a}_{A}, \tilde{a}_{i}^{A}_{i}^{A}_{A}, \tilde{a}_{i}^{A}_{A}, \tilde{a}_{i}^$

AWARNING

 $\ddot{O}[\dot{A}[o\dot{A}ed][\dot{A}] \tilde{a}_{c}^{A} \dot{A}[\dot{A}_{c}^{A} \dot{A}_{c}^{A}] \tilde{a}_{c}^{A} \dot{A}[\dot{A}_{c}^{A} \dot{A}_{c}^{A}] \tilde{a}_{c}^{A} \dot{A}[\dot{A}_{c}^{A}] \tilde{a}[\dot{A}_{c}^{A}] \tilde{a}_{c}^{A} \dot{A}[\dot{A}_{c}^{A}] \tilde{a}_{c}^{A}] \tilde{a}_{c}^{A} \dot{A}[\dot{A}_{c}^{A}] \tilde{a}_{$

<u>, "+`*' Î '6 cca ': `U</u>]`

\(\text{\text{\alpha}} \\ \text{\text{\alpha}} \\ \text{\alpha} \\ \text{



🛕 DANG ER

Ùæà^¦

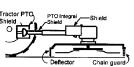
U]^\aea[\}\A\\\\^&a[\}\A\\\\\

A DANGER

 CT|AUæ^c^A, Au@a
 |å•ENO* æå•Aæ; åAUæ^c^Aå^c, æå•Aæ; å ā; *A@; cA; [c

 [a] āc^åAq, DATAc@ AO^4/&q; |•EPO@æā; AO* æå•EPUc^A, AO; æå•EPO^æ; ¢

 U@a, |å•EPUVU, Ag; c^*; aæ/a@a, åæ•EPA; åAU, ^dæ&ææ; [^AO[[; AU@a,]å•A; @]* |å



<u>, ", 'GUVYf': `U]`</u>

AWARNING

AWARNING

, "- 'GUVYf'FcHUfm

AWARNING

AWARNING

 $\begin{array}{l} V@\dot{A})\varpi\dot{a}^{\dagger}\dot{A}U[\varpi\dot{a}^{\dagger}\dot{A}\&^{\ast}\varpi^{\dagger}\dot{A}\&^{\ast}\varpi^{\dagger}\dot{A}\&^{\bullet}\dot{a}^{\dagger}]^{\dot{a}}\dot{A}U[\&] \& \tilde{a}^{\ast}\dot{A}U[\varpi\dot{a}^{\dagger}]\dot{A}U[\&] \& \tilde{a}^{\ast}\dot{A}\varpi^{\dagger}\dot{A}^{\ast}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}\varpi^{\dagger}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}\varpi^{\dagger}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}\varpi^{\dagger}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}\varpi^{\dagger}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}U[\&] & \tilde{a}^{\ast}\dot{A}$

Ùæà^¦

 $U] ^{lagaa} A \hat{U} ^{lagaa} A \hat{L} ^{lagaa}$

<u>. "%S`G\iHqb[`8 ck b`h\Y`5 HrUW(YX`< YUX!`: cf`GHUbXUfX`9 ei]da Ybh</u>

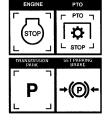
\(\frac{1}{4}\) \(\text{O} \) \(\text{A} \) \) \(\t



Úæl\Ác@ Ád æ&d ¦Á[}ÁæÁ|^ç^|Á* ¦ æ&^ÉÁ] |æ&^Ác@ dæ)•{ã••ã|}Áā}Á]æl\Á[¦Á}^*dælÁæ)åÁæð]]|^Ác@]æl\ā}*Áa¦æà^ÉÁ•@ ó^å[¸}Áo@ Á^}*ā,^ÉÀ^{{ [ç^Ác@ \^^ÉÆæ)åÁ,æãóÁ;¦ÁædÁ,[cã]}Áf,ÆJ{ ^Át,ÁæAkJ{]]^♂ •d[]Áa^-{¦^Á¢ãã}*Áo® Ádæ&d;¦ÉÆMUÚÙEÓÆÆ€FF*Ő



A DANGER



A DANGER

AWARNING

U^!-[!{ A^^!ça&^EA^] æai• Aæj å A; à!a&æai] } Aæ&&[!åā] * Aq[Ax@; A[æai] c^} æ} &^A^^&cai] EARO]• `!^Ax@`
`} ãoÆr A;![]^!]^A; à!a&æe^å Aæj A; à!a&æai] } Ar&@; A; &@ å |^Aæj å Aæj Aæj à A; op Áæj ^
]![]^!|^Aq[!``^åEÁ*Qæai] !^Aq[A;![]^!|^Ar^!ça&^EA*A; æai] æai] Aæai æai] Ac@r AQ;]|^{ ^} c^ai] A*[[å aai] æai] * A&[] å ãaia] } A&[`|aA&æ* •^A&[{][]}^} c^Aæai] !^Aæai] [•• ãa|^A•^!ā[`• Aai] b'!^Aq[!A^ç^} å^ææ@£A\$; ob # O

Ùæà^¦

 $U] \land \{aecal\} \land \hat{U} \land \&cal\} \land \hat{H} \stackrel{\square}{\vdash} \hat{I}$

- 'HF5BGDCFHB; 'H<9'HF57HCF'5B8'=AD@A9BH

Q @ \^} oÁ@e æ å•Á; Á;]^ | ææð; Ás@ Á; æ&q | Áæð; åÁð;] |^{ ^} oÁæð; åÁs@ Á; [• • ãàðjāc Á; Áæ&&ãā^} o• Áæd^Á; [oÁ^~oÁà^@ð; å @ } Á [`Áðjā @Á [|\ðj * Áð, Áæð; Áæð; Áæð; Aæð; | |^Æs@ Á;]^ | ææ; |Á, `• oÁ;] || °Á [[åÁð å*^{ ^} oÁæð; åÁæ A£] | / ææð; }] | ææcāð • Á; @ } Ádæð; •] [| cðj * Áo@ Ádæ&d; | Áæð; åÁð;] |^{ ^} oÁà^ç ^^} Á| 8ææð; } • ĒÁÓ Á, • ðj * Á* [[åÁð å*^{ ^} oÁæ) å -{ ||[¸ ðj * Á* æ Adæ) •] [| cój | [& å ' | ^* eÊo@ Á; [•• ãàðjāc Á; -Áæ&&ãā^} o Á; @ðj A([çðj * Áá^ç ^^} A] [&ææði; } • Á&æ) Áà^ • `à• œæ) cæn| ´Á; ðj ðj ā a ^å ĒÁU UÜEN Æ€€FÏ

<u>- '%I bghck]b['h\ Y'6cca '</u>

- "&"HfUbadcfhib["i bXYf"h Y'I blha'ck b'dck Yf

Y @ } Ádæ) •] [¦cāj * Áà^ç ^^} Áŋ à Á ãc^• ÉÁc@ Á[||[¸ āj *] ¦[&^å` ¦^Á; @ ` |åÆc^Á[||[¸ ^åK

- "Câ|^Ás@Ádæ&d;¦Án}*ā,^Áæ)åÁs¦ā,*ÁāóÁs[¸}Á;Á

 •1^^åÈ
- ~ Û@ ơḥ ~Ás@ ḥ[, ^\Áṭ Ás@ Æs ccāj* Á@ æå Áæ) å Á
 æþ[, Áæ) ḥ[, [cā] h[, Ás[, 4 Ás[, 4 Ás], 4]] ^ c^ ḥ[, 6] È
- Ö¢¢\}åÁx@Á\^&[}åæĠ^Áa[[{Ã\`oA[Æ\\^æÁx@Á
 à[[{Á\•oÈ
- Ü āç^|Ác@Áā[[{Á;}cāļÁ&|[•^Át[Ác@Áā[[{Á^•cÊÁ
 c@}Á,[•āāā]}Ác@Á, æā,Áā[[{Áŏ•cÁæà[ç^Ác@Á
 @¦ā[}cæhÁa[[{Á^*]][¦cá,-Ác@Áa[[{Á^•cÈ
- "Š[¸^\Ás@Á; æā¸Áa[[{Á}}cā/ÁarÁs[}cæ&o•Ás@Á

 "]]^\Á;æåÊÄ; ¸Ás@Ár^&[}åæåÁs[[{ÁsæjÁa^Á

 |[, ^\^åÁq[Æs]}cæ&oÁs@Á;æåÁ;}Ác@Áa[[{Á^•cÈ
- "Ú| $\frac{1}{2}$ \frac
- ‴Šæ•dîÊkč¦}Ánc@ Án(î•ca&\Á(æ•c^¦Á&[}d[|Án(ãa&@Á





Ùæà^¦

 $U] ^{\text{laga}} \hat{A}U^{\text{log}} \hat{A}U^{\text{log}}$

- " 'HfUbqdcfhlb['cb'Di V']WFcUXk Umq

\times \t

V@Á ÙT XÁ ÇÙ|[ËT [çā*Á X^@&\^DÁ ^{ à|^{ Á ā } } ā;^\• æÁ•^{ à| Á Ç. A @ } ā;^\• æÁ•^{ à| Á Ç. A @ } ā;^\• æÁ•^{ à| Á Ç. A @ } i, Á i æá; æé• ÁææAæ • [. Á •] A @] i, A•] A & æá;




Ùæà^¦

U]^¦æaa[}ÂÛ^&aa[}ÂHËHÏ

Y @} A []^|ææā* A [} A; à|æ\$A ||æå• ÆA @æç^
8[}•ãa^|ææā|} A[|A[c@|A[æåA*•^|•ÆÛ|||A[Ac@|A;ãa^
[-Ac@A[æåA; &&æ•ā|}æa|^A[Ac[aåA*•^|•ÆÛ|||][;ā]* Ac[æa-æ&
d[A]æ• ÆÖ[A][cA·¢&^^åAc@A^*æ4A*]^^åAjā;āA^*^o\$]
^['|A•cææ^A[|A(`) &&æ][|A;a**][|Ca;*Ac@Ac[a&c]|•È
OH;æ•AcæA[A][A]`à|æ\$a[Ac[aæ]•][|Ca;*Ac@Ac[aæ&d]|Aæ}å
{[_^|A[}A];A]`à|æ\$A[æå• ÆO•]^^&æa|^Aa[æ&]*•Âææa*]•Ê
c@Aa[[[{M·¢c}åa-Ac[Aâ]æ•ÆO•]^Ac@Ac[aæ]Ac[aæ]*•Âæāa•Ê
c@Aa[[[{M·¢c}åa-Ac[Aâ]*•Ac[Aæ]^Ac@Ac@eAc@eAc@eAc@eAc[aæ]*•Ac@Ac[aæ]**
āac@A[Aa]*•C*&a]}•A[Aa]*•A[Aa]**•Ac@Ac[aæ]***
]æc@A-Ac@A[].^^@Ac[Aa]*•Ac[Aa]***
]æc@A-Ac@A[].^^@Ac[Aa]*•Ac[Aa]***
]æc@A-Ac@A[].^^&æaA[A]*Ac[aæ]***
]æc@A-Ac@A[].^^&æaA[A]*Ac[aæ]***
]æc@A-Ac@A[].^^&æaA[A]*Ac[aæ]***
Ac@Ac[aæ]****
Ac@Ac[aæ]***
Ac@Ac[aæ]***
Ac@Ac[aæ]***
Ac@Ac[aæ]***
Ac@Ac[aæ]***
Ac[aæ]***
Ac[aæ]**
Ac[aæ]***
Ac[aæ]**
A



A DANGER

Y @} Åtæ)•][læ]* ÁÓ[[{ ÁT [^!/t̄]} ÅæÁt 8\ /t̄] !Átæāf^!Ēkæ Áæ ã æ/t̄.!Á¸ ãác@ { æÂ^¢&^^åA¸ ^* æþÁjā ãæ Á¸ @} Ác@ Áà[[{ Áā Áā Ác@ Ádæ)•][!cÁj [•ãtā]} È Ö[} ææ\$cÁ¸ ãtæ¸ áā A^Á; lÁj [, ^!Ájā,^• Á&æj Á&æ •^]![]^!cÂáæ{ æ*^/t̄.!Á¸ c^!@ æåÁ• d* &c*!^• Á[;Á] [, ^!Ájā,^• Á&æj Á&æ •^]![]^!cÂáæ{ æ*^/t̄.!Á¸ ^* eÆ; b'./t̄.!Áå ^ææÆZA¸ ^&^••æ æþÁj Ac@ Áa; [{ Át !^å &^A@ æåÁt, A'^å* &^Á¸ ãácæÁt, Ác@ Áp^* æþ [ā, ãæ ÉA; ot # b) | Á æ É



A DANGER

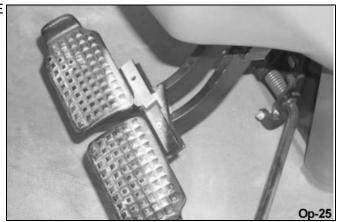
 $\begin{array}{ll} & \text{$| P^c_c^+ A_b^+ | [A_b^+ A_b$



AWARNING



U^å &^An] ^^å/Aà^-{ | ^Ac |} ā * An | Aæel] | ^ā * Ac@ Aà| æà^• E Ò}• ` |^Ác@æcÁā| c@Áà| æà^Áj ^åæel• Áæel^Á|[&\^åAf * ^c@ | @ } An[]^| ææal * An[} An ` à | æ&al EXAKU ÜÜÜÜÜÜÜÜE€€CH



Ùæà^¦

 $U] ^{\text{laga}} \hat{A}U^{\text{log}} \hat{A}U^{\text{log}} \hat{A}U^{\text{log}}$

- "("HfUbadcfhlb["I b]hVm: "UhVYX"HfU["Yf

Úæl\Álæman^åÁn{}Ánç^|Ándeh^ædðÖlāg^Áslæ&q[¦Án}q[Ásc^}c^¦Án-Álæman^åÁn[Ánnep[ãnÁ]^ç^}Asándān cān}Án-Á nã @uÁn-þå alÁcæða]*

ão@nÁn[&æhÁ ānc@Án-odakan]}•EðGÁn[[{ Án-Ángc^¦Ángc, An-Ángeða @uÁn-odakan]}•EðC[´Á āllÁn-n-åÁng Án-ccða álán[[{ •Án coða ál ^}[* @knf Án]^æhÁ![}onf An-Ánge&d ¦Án @}Asi[[{ Án-Ánge coða Ánge coða Ánge coða ánge coða álánge coða ánge ∥ູ^¦As@^, &^|ā],å^¦È

A CAUTION GÁJæ‡^¦Æ;Á[cÁ,^¦-^&d^Árç^|ÊÁ;@ Áa[[{ Á ā|Ác^}åÁ;Á;ā;*Át¸æ;å•Ás@ Á[¸^¦Á;ãa^ÈÁræç^Á;c@ ¦ A CAUTION]^¦•[}}^|Á^æå^ÁtÆ;}d[|ÆæÁ,ā;ā;*ã;*Á;[cā;}Á;@}Æ;Á;ā;å*Á;ā;ÆsÁ^{[ç^åÈ

Ü^dæ&oÁr¸ãç^|Á&î|ðjå^¦Áæ)åÁr^&`¦^Áq[ÁrædjÁ;æ;^ÈÉÚãç[oÁà[[{Áf;æåÁq[Ác@Á&^}o*lÁ;ÁdæóÁa^åÈÉŠ[¸^¦Áå^&\ [}q[c@Áçædj^¦Áaj^åÉæ)åÁr@oÁ;~Ác@Ádæ&qˈlĚW@Ádæ&qˈlÁæ)åÁc@Á([¸^¦Á@æåÁr@[`jåÁj[¸Áa^Á&@ædj^åÁá[;} • ^ & ' | ^ | ^ Ág Ác@ Ác æ a ^ | Ás ^ å È

 A
 CAUTION
 CAUTION
 A
 A
 A
 B
 A
 B
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 A
 æ•ãæ)&^Â

<u>-") '<Ui `]b['h\ Y'HfUWfcf'UbX'=a d`Ya Ybh</u>



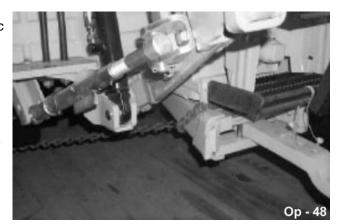
^~~~ a { ^} o (Ad æ) •] [| o (Ad æ) a (Aæ)



Ùæà^¦

 $U] ^{\text{laga}} \hat{A}\hat{U}^{\text{log}} \hat{A}\hat{U}^{\text{log}} \hat{A}\hat{I} \hat{A}\hat{H}\hat{I} \hat{I} \hat{I}$

OE|a)*^Ác@Á&@aj•Á•[Ác@æÁ, @}Ácã @^}^åÊÁc@ &@aj•Á zð^Á, ||ā]*Ås[} zðåÁ zðåÁ zðæðj•c c@{•^|c^•ÈÁÔæ^~||^Aðã @^}AœA^&*!ā]*Ás@æj•Á; [c@!Áæøc^}^!•Á`•ā]*Áà[[{^!•Á!Áàā}å^!•Á[Áæ]]|^ { zæā ~{Ác}•ā]}ÊÁAV•^Á¢d^ {^A&æ^A, @} zææ&@]*ÁsðåÁ^{[çā]*Ác@Á^&*!ā]*Ás^çã&•ÁæAc@ ^¢d^{^Ác}}•ā]}Áðjç[|c^åÁ, @}Á!^|æ*^åÁ@æÁc@



% "HF57 HCF26 CCA25 B8 5 HH57 < 98 < 958 GHCF5; 9

Ú|[]^||^Á|\^]æðā*Áæð;åÁrd[lā;*ÁœÁ\}ãúÁæÁœÁ\}åÁ;ÁœÁ\^æe[}ÆárÁ&lããæÁA;Á;æðiæðið;*ÁærÁæ]]^ææ)&^Áæð;åÁ; @|]Ár}•`|^A^æ•Á;Æå^]^}åææ)^Ár^¦çæX°ÈÁV@Á;||[¸ā;*Áæ4^Á`***^•c^åÁd;læ*^Á;![&^å`|^•K

- V@[:[**@[Á&|^æ)Áæ|Áå^à:[æ.Á-![{Áæ[[{Áæ)åÁ
 @^æåÁæ[Á]:|^ç^}, Óæåæ{æ*^Á-![{Á[cc3]*Á*:|æ••Áæ)åÁ
 •cæ)å3]*Á;ææ^!È

- ‴Ùd[¦^Ás@^Á;}ãóÁs,ÁsæÁs|^æ;Áse;åÁs¦^Á[&æaā[}È



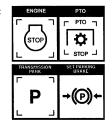
▲ DANGER

Ùæà^¦

U]^¦æaā[}ÁÛ^&aā[}ÁHË€

A DANGER

OOQUUOA^æ;ā*A@Adæ&d;A^æEæ;æ*e*A^o&@A;æ\ā*Ai;æ*^Aæ;å*D;A^o o@Adæ&d;Adæ;*{\da;**\amplita;Aj;Aj;Aj;æ\;ā*Aj;æ\&\amplita;*A;*\amplita;*\ampl

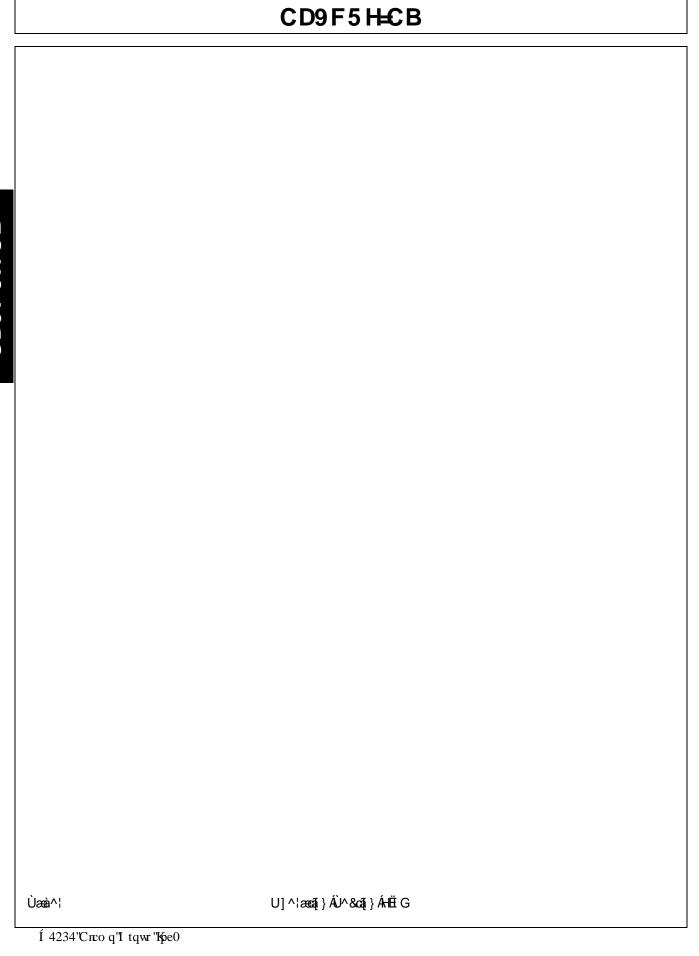


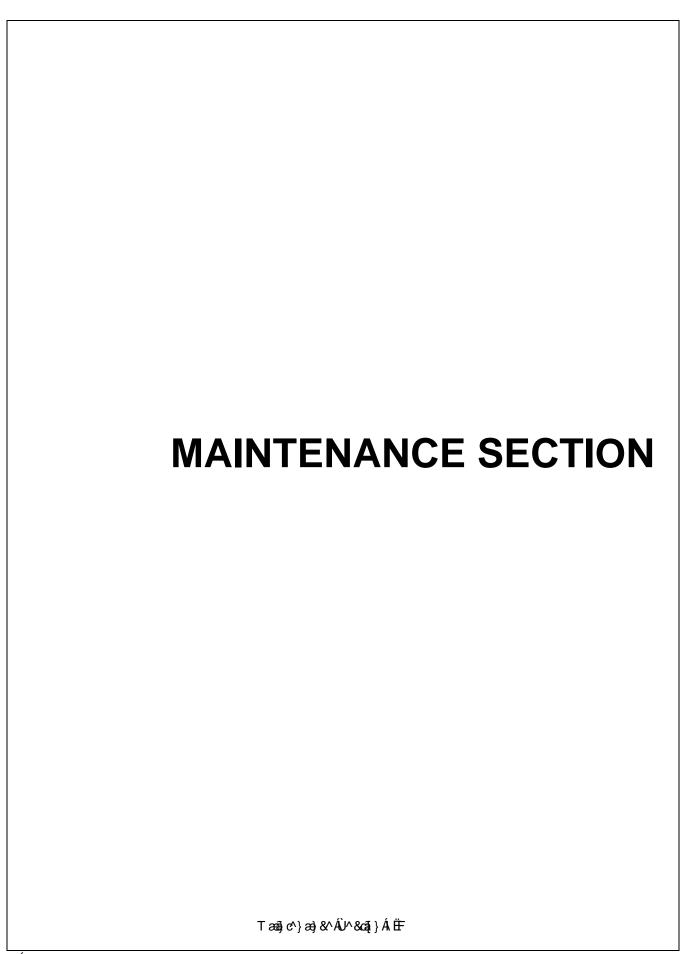
AWARNING

U^|-[|{ Ar^|çã&^EA^]æai• Áæ) å Ai àlā&æai]} Aæ&&[|åā|* Ái[Ac@ Ai æai]c^}æ) &^Ar^&cai]EAO)• * |^Ac@ `}ãoÆn Ai|[]^|^Ai àlā&æc^å Aæ Ai]^&ãaið Ág Ac@ Ai àlā&æai]} Ar &@ å |^Aæ) å Aæ|Áai[]o Áæ) å Ai æai ar Ai o Áæ) å Ai o Æai Ac@ Ai Ai o Áæ) å Ai æai ar Ai o Áæ) å Ai o Æai Ac@ Ai Ai o Áæ) å Ai o Æai Ac@ Ai o Áæ) b |^A Ai | Ar co Ai b |^A Ai | Ar co Ai b |^A Ai | Ai | Ar co Ai | Ar

Ùæà^¦

U]^¦æaa[}ÂÛ^&ca[}ÁHËF





MAINTENANCE

General Instructions

Vã^¦ÁT [¸^|•Áæ}^Áå^•ã*}^åÁ[¦Á@ã @Á^¦-[¦{ æ} &^Áæ}åÁî***^åÁã*¦æàāãĉ Éã^cÁ ãc@áā]]ããðåÁ;æā,c/}æ;&^ÈÁV@]*|][•^Á;Ác@àÁ*^&cā;}Á;Ác@Á;æ)*æjÁæáÁ[Á@|]Ác@Á;]^¦ææ[¦Áa;Ác@Á^**|æbÁ*^¦çã&ā;*Á;Ác@Á;[¸^¦ÉÄÜ^**|æb {æā,c/}æ;&^ÁæóÁæÁæÁ@Áā,c/¦çæþó;A;^}cā;}^åá,ā∏Á^•*|cÁā,Ác@Á;ææā;*{Á~æ&ã/}&;Áæ)åÁ[}*Áã^Á;Ác@Áðā^¦ÁT [¸^¦È

Y @}Á[ˇÁ¸ˇ¦&@œ•^ÁæÁðā^¦ÁT[¸^¦Á[ˇÁæ]•[Áæ&čˇā^Áæ)[c@¦Áçæjˇæà|^Áæ••^dÉA/ā^¦qÁjæd•Á;¦*æ)ãææā[}ÉAUˇ¦ ¦æajãáÁæ)åÁr~æ&æ)çÁ•^¦çæ&^ÁœæÁřˇææ)¢^åÁc@Á&č•q[{^¦Árææã~æ&æā]}Á[¦Á;æ)^Á^æ÷ÉA/ā^¦Ájæd•Á^^]Á]Ájãc@ c@Ás^{æ)å•Á[¦Ár~æ&æ)& ÆÉAæ^cÁæ)åÁs}厦æ)&¢Á¢]^&¢åÁjÁæ¢Áðā^¦ÁT[¸^¦È

Maintenance Precautions

- ″်`Ó^Án`¦^Án}åÁn,-Án¦^æ•^Án`}Ásæ)åÁn^¦\•Ásæ}^Ás⊌/æ)Ásn^-{¦^Á.•āj*ÈÄÖ^à¦ãrÁsjb^&c^åÁsjo[Ásn^æ-ði,*•ÊÁnc&ÈÀ,ão@Án¦^æ-^Á ;ãlÁ&æ*•^Ás[{ ^åãæe^^Ásaæ{æ*^Ésæ @*^È
- ÖUÁPUVÁ•^ÁæÁy[¸^¦Á¹¦^æ•^Á¹¸¸ÁqíÁ¸à¦ææ¢Áå^æáð;*•ÈV@•^Á^¸ã^Áç^¦^Áq{æþÁæð,åÁv¢æ&óÁæq[¸¸¸o•Áq.Á |¸à¦ææáð;}ÈÄU^-^¦ÁqíÁæ@Áå^ææð,åÁqæð,c^¸æð,c^¸æð,&^Án^&æð;}Áq;¦Án]^&ãæðá,à妿æáð;}Ág•d¸&æð;}•ÈÄÖUÁPUVÁ;ç^¦Ë *¦^æ^Áa^æðð;*•È

AWARNING



Break in Period

QuÁxœååããā[}Áq[Áq||[] ā]*Áx@Ásil^æàÁsjÁsj•d`&xãa[}•Áq[¦Á[[`¦Ájæàcã&`|æàÁslæ&q[¦ÉÁx@ÁsjĒæa;\Á@ålæĕ|ã&Ájæ^¦Á;Qp`|å à^Á'^]|æ&^åÁææ^¦Áx@Æåi•oÁi€ÁQp`¦•Áq-Ár^¦çã&^ÈÁv@;|^ææ^¦Áx@Áajæ^¦ÁrQp`|åÁa^Ár^]|æ&&^åÁrç^¦^Á퀀ÁQp`¦•ÉÁq[; ^^æ¦îÉÁ;@&x@Árc^¦Áxu[{ ^•Áai•dÈ

Ü^Et[¦``^Á, @^|Á;*•Áœcº¦Áã•cÁã;^ÁQ`¦•Á[-Át]^læat]} Áæ) åÁj^¦ā åææ|^Ác@¦^æơ\EŽÙ^^Át[¦``^Ár]^&ãaææt]}•
|ã ơ åÁg Ác@Ádæ&t[¦qÁ•^¦çã&^Át] æ) ˇæļÁ[¦Áˆ[`¦Á]ætá&`|æbÁ([å^|E¥Wheel lugs must always be re-torqued whenever a wheel is removed and reinstalled.

Ùæà^¦

Tænājo^}ænj&^Áû^&anāj}ÁnjËG

MAINTENANCE

▲ DANG ER

Þ^ç^¦À、[¦\Àˇ}å^¦Àc@ÀQ]|^{ ^}œÄc@À; æ{ ^、[¦\Æ\[¦Àæ}^Æ&&å 8[{][}^}oÁ`}|^••Ác@·ÁQ]|^{^}oÁ\$rÁ^&`\^|^Ár`]][\c^åÁ[\Áà|[&\^åÁ`] qf Áj ¦^ç^} oÁ * åå^} Á[¦Áāj æåç^\!c^} oÁæ|āj * Á @B@Á&[* |åÁ&æě • ^Á\^¦āj * • **ã b | ^ Á | Á ç^ } Á å ^ æ @ 差** 吹 õ 声 i D



AWARNING

Ö[Á}[ơÁ, [åã;Á[¦Áæ)do;lÁc@àÁQ]]|^{ ^}dĒÀÁÁÖ[Á][ơÁ]^!{ã;Áæ)^[}^Áq[Á([åã;Á[¦Áæ)do;lÁc@à; Q] | \{ \} d\hat{\(\hat{A}\) \(\hat{A}\)

ÀWARNING

Ü^|ã^ç^Á@ 妿ĕ|ã&Á;¦^∙••ˇ¦^Á;¦á[;Áá[Áå[ā];Áæ[á*á;ō];Á;æáā;c^}aa)&^Á;¦Á^]æááÁ;[;\Á;}Ás@ÀQ;]|^{{ ^}c£ Ú|æ&^Ás@ÁT[、^¦ÁP^æåÁ;}Ás@Át¦[ˇ}åÁ;!Á^&`¦^|^Á*]][¦c^åÁ;}Áà|[&\•Á;¦Á;æ;à•Éåãa^}*æ*^ c@ ÁÚVU Éàng å Áč¦} Á; ~Áo@ Ár} * ā; ^ ÉÁÚČ • @Áng å Á; ` ||Áng Ás[} d[|ÁŠ^ç^¦• Á;¦Áng ^ • caðs Ár^ç^¦a þáā[^ • d[Á^|a^ç^Á|:^••`;^Á|:a[:Á[Ácad:d]:*Áse]^Á; æa[d^}æa[d^}a; Ése]*Á[:\ÈÁción ii □

▲ DANGER

Off, æê•Áåãa&[}}^&oÁc@Á, ã^Áp æå•Á+[{ Ác@Á{ [¸ ^¦Á] ~{] Á•[|^}[ãå [!\a]*Á[}Áo@ÁV!æ&d[!ÁT[, ^|EÁÁÁV!æ&d[!Á\s*a]^*a]^Á(`*oÁà^Á*d[]]^å
à^-[!^Á,[|\a]*Á;}Æd;', ^|Á,|ÁV!æ&d[!EÁÁV@ÁT[, ^|ÁO|æå^*.46(])|å/á,æåç^!¢^}d^ Ás^Á\$;'}^å/Á; , ão Qi o Á, æd}āj *Ásæ) åÁs&æi•^Ásą { ^å ãææ^Ásãa { ^{ à ^|{ ^} dÂspib'|^Án, lÁsa ^æe Œλερότι⊨cæo



Regular Maintenance

V@Ásjo^¦çæp•ÁsocÁ, @3&@Á^*`|ædÁ^¦ç3&āj*Án@[`|åÁsà^Ási[}^Áseb^Ásiæn•^åÁn}}Á@[`¦•Áq``|•Án]^¦æaāj}ÈÁN•^Ás@Aslæ&o[¦•Áq0`'| { ^\chi \hat{A}_A^\chi \chi \hat{A}_A^\chi \hat{A}_

Daily or Every 8 Hours

ITEM	SERVICE	COMMENTS
Ö¦ãç^ÁÙ@eeoÁ"[∖^ÉÁWËR[ã]c BÁÙcàÁÙ@eec	Õ¦^æ^	Õ¦^æ•^Áse•Ásj•d`&c^åÆsj å^œa≨l^åÁ(æājc^}æ)8⁄Á·^&cā[}
Ú*{] ÁÖ¦ãç^ÂÛ@æÆÔ[*] ^¦	Ô@&\ Ás) åÆ` à^	Q,• ˇ ¦^Ás¦ãç^Án @œeÁn} åÁn, æê
Ô¦æ}\•@æÁŒaæj¢\Á	Ô@&\Á`àà^\Á' [{{ ^•	Ü^] æ&^Át¦[{{ ^⊙ ÁsÁ åæ{æ*^åÁ[¦Á;ã•ā]*
Úãç[cÁÚ[ā] o	Š`à¦&8æe∿	Oµb/8cóÁ¦^æe•^ÁA}cāļÁāc æaj]^æd•ÁæcóA}å

Ùæà^¦

MAINTENANCE

ITEM	SERVICE	COMMENTS	
P^妿ĕ ã&ÁØãncã}*•	Ô@&\Á{¦Á\œ•	Va*@c^}Á,@^}Á,^^å^åÈ Ö[Án-[cÁ.•^Á@a)å•Áq.Á &@&\Áq:¦Án^æò•Én^^ {æ6,c^}æ)&^Á;¦^&æ`@q;}•	
S} ãç^• Á	Ô@&Á	O;•]^&oÁ(¦Á;ã•ā;*Á;¦ åæ{æ*^åÁ}ã;^•Ê&&@æ;*^Áæ•Á;^^å^å [¦Á:@æ;]^}Áæ•Á;^^å^åÈ	
Ù]ājå ^Á;[ˇ}œ]*Áà[œ Ģ]ājå ^Á;Áá;Áå^&\D	Ô@&\	V[¦˘ˇ^Áq[ÁnHFÍÁcÁjà•Áj`à¦ã&æec^åÈ V[¦˘ˇ^Áq[ÁnHÍÏÁcÁjà•Áå¦^È	
S}ã^Á; [ˇ}æ]*Áa[o• Ç̞}ã^Á;Áaãa\Á;lÁa æå^Áaæ;D	Ô@&\	Ú¦^Ë;`à¦aBane^Áa@^anå•Á,Ðána}caËe^ã^ÉA[¦```^Áa[K FË:Đò+Á)ã^Áa[o•Áa[Áà€€ÁcÈÁà•È FË:Đò+Á}ã^Áa[o•Áa[Ác£€€ÁcÈÁà•È	
Öã\Áṇ¦Áa æå^ÁaækÁ;}♂Áa[o Çãã\Áṇ¦Áa æå^ÁaækÁ[Án]ājå ^D	Ô@&\	Ü^q[¦˘ˇ^Áà[or KÁ HĐ +Áà[or Áq[Án[I Áà¦^Á¦¦Án FÍÁ;ã/^å ÁcÈÁà•È ÍÐ +Áà[or Áq[ÁG€]Áà¦^Á;¦ÁFÌ€Á;ã/^åAÅcÈÁà•È	
Ó^ œ	Ô@&\1007ãiŏ •c	Ô@~&\Á\$AÁ\$;[\^}EÁc#?@^} æ•Á^~~ã^å	
TænājÁnodæ (^Ánac)å Á Ö^&\	Ô@&\Á	Ü^d; ¦˘ˇ^Áa[o•Áq; Áq; ¦˘ˇ^ •]^&ãã&ææãp}•Áa,Áx©àrÁn^&cãp}	
P^å æ 88.40 *ãa. A \$^ç^	Ô@&\	OfaåÁsaÁ^~~ a^åÁ,^¦ - `ãåÁ^&[{{^}åæaa[}}•	
Ü^æk Á Ø æ Á Á Ö á Ç^ ËÇ Ã Á Á A]	Š`à¦a&æe∿	Õ¦^æ-^Áæ-Áş-•d`&c∿åÆş å^œa‡^åÁ(æ\$jc^}æ)&^Ár^&c4[}È	
Ő¦[*}åÁÜ[^¦ÁÓ^ædð;*•	Š`à¦ã&æ¢^	Õ¦^æ•^Áæ•Á§•dˇ&c^寧 å^æa∮^åÁ(æá∮c^}æ)&^Áa^&cá[}È	
Ô` cc^¦• @eedÓ^ætāj*• ÁÇZ ætāD	Š`à¦&&æ^	Õ¦^æ=^Áæ=Á§j•d`&o^åÁ§ å^œa∯^åÁ(æ5);o^}æ)&^Á,^&oã(}È	

Ùæà^¦

Tænāje^}ænj&^ÁÛ^&cnaj}}ÁjË

	WEEKLY OR EVER	
ITEM	SERVICE	COMMENTS
Ü[cæ+^ÂÛ]āļå ^	Š`à¦&&æe^\	Òç^¦^Á, €Á@; ',•Á;¦Á, ^^\ ^
	WEEKLY OR EVER	RY 50 HOURS
ITEM	SERVICE	COMMENTS
Q,Á/æ)∖ÁP^åBÁØ *ãã Øãe∿¦ 10 micron filterD	Ô@;*^	Ô@e)*^Ásee?¦Áãi•oÃi€Á@;*¦•Áq} ^ÉÁs@}Á ^ç^¦^Áni€€Á@•ÉÁ^æ÷ ^Áq¦ÁsÁajå&3eæe*åÁsi^Á c@Á^•d&3e@aj}Ásjå&8æee[¦È
QËŠaj^ÁPã†@ÁÚ¦^••ˇ¦^ Øajo^¦ Ç10 micron filterD	Ô@#*^	Ô@e)*^Áace^¦Áai•oÁi€Á@;`¦•Án;} ÊÁs@;} ^ç^¦^Áni€€Á@•ÈÁ^æd; ^Án;lÁsÁsjåa&eæc^åÁsi^Á o@Á^•d&skoái}Ásjåa&eæ[¦È
	MONTHLY OR EVER	RY 150 HOURS
ITEM	SERVICE	COMMENTS
P^妿ĭ ã&ÁØ ĭãåÁŠ^ç^ Á P^åÈÁæ)∖ÁÓ¦^æs@¦	Ô@&\ Ô ^æ} ÐÔ@&\ÐÜ^] æ&^	OzāåÁsæÁ,^^å^å Ô ^æ)Á,¦Á^] æ&^ Ò ^{ ^} oÁsæÁ^~ ĭā^å
Ü^æÁVā^Á/^]^ IÌ⊕Đ€ÜHÌ FÌÈËH FÌÈËHÌ	TæçÁJÉÜLÉDÉ ÁWWG ÁWWGÎ ÁWWGÎ	
	YEARLY OR EVER	Y 500 HOURS
ITEM	SERVICE	COMMENTS
Ù] ā å ^ÁÕ¦^æ^	Ô@+*^	
 P^å ÈÁvæ}∖Áx⊘ `ãã	Ô@+)*^	
QÁ/æ)∖ÁP^åÈÁØ ĭãåÁØqic^¦ Q10 micron filterD	Ô@d*^	
QıËã,^ÁRÚÁضo^¦ Ç 10 micron filter D	Ô@ <u>+</u> *^ ##\	Ô@ea}*^Á,@^}Ƨåä&æer^å à^Án^∙da&oa[}Ƨåä&æe[¦È
	Ô@a}*^	

TROUBLESHOOTING					
CAUSE	REMEDY				
FÈŠ [•^ÁÓ[œ	FÉXÁÓ @ & Áse Ás[o•Áse) å Ásã @c^}Ás[
	Á₩₩A^&[{{^}å^åÁq[¦˘ˇ^Án]^&ãã&ææã[}•				
GÈŽÔ`œ^¦Áse∙^{à ^	GædÁÔ@^&\Á;¦Ásaæ(æ*^Ás æå^•ÉAsãa&				
Á₩ÁN∤àæþæ)&^å	Á₩₩¼,¦Á&`œ^¦Án@œedÁÜ^] æ&^Á56Á,^^å∧åÈ				
, , ,	Gà ĐÁÔ @ & Á(¦Á, ãl^ĐÁ(jĺ^ĐÁ œ\$È́				
	Á₩₩Ŕ}œa)* ^å/Áş/Ás@-Á&c*œ^¦Áæ••^{ à ^				
—————————————————————————————————————	FÉXÁÁÔ@^&\Ása) åÁ^~ā ÁP^åÁØ ~ãå				
	CEŽÁÁVŽť@2^}Á,¦Á^] æ36^Áãcā;*•Ása;åÁ@2•^•				
	HEXXO @ &\ A, ^•• ` ^ AB, AB, AB, A EXSB, ^ A				
i mecco jo in ja iyaqo	Á‱Á, '^••` '^Á§ ÁÔ[}d[Áxækç^Á;@` ' åÆs^				
	/////www.fr of the factor of				
IÈÁCA \ A Å ÁT IÁAIT 9\ A Å					
	ÞÁÓÓ ^ æ} Á; Á^ æ&^ Áā ^ •				
ı 1±4x266 c 44x a}a^; 	Í ÞÁÁÁÓQ.•]^&dÉA^]æaãlÁ[¦ÁA^] æ&AÁ&C ā]å^¦				
FÈÓ([¸}Á~•^	FEXXXXO@\&\Á~•^A&q^^}A([,^\Á,ã&@A				
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	///////www.) å/fat } ainat } ED^] æ8\$^				
	GHZWWT æà^Án`¦^Áşæqç^•Ásæb^Án]^}				
HÈÉŠ[¸ÁjāþÁ/ç^	HEXXXÔ@\&\ÁP^åExe;\Ase;åAA				
lèsã^Araa	l ÈÁÁÁÓ @ & Ase Áãncāj*•Áse) å Ájāj^•Ê				
• •	ÁWWWÁ^ Écāt @^} A[¦Á^] æ&^				
ÍÆÓ!^&d:[}&&.	ĺæĐĚYão@, čókó@ Ádæ&d[¦Á,*}}āj,*ÉŘá;¦}Á				
	$AWWA_{0}$ A_{1} A_{2} A_{3} A_{4} A_{5} A_{6} A_{6} A_{7} A_{8} A_{7} A_{8}				
////[] [as so	ÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁÁ				
	//////////////////////////////////////				
	www.j[[Lestedax, var.jr[ne.aga, jw., a.g., j.				
	ÁÁÁÁÁ Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á Á				
	ÁWWA&I^, ålāç^lÁ;lÁ;c@lÁ;c^\/Á;àb'&Ê				
	<i>Á</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	////////∱[/^}[aã ΕΑΑΑ΄ Α΄ Λαρ βΒΑΑ΄ Α΄				
	////////////////////////////////////				
	Á‱‱a;åÁ,ātāj*Á[¦Ása;Á[]^}Á&at&°ãdÉAÓÁs@∙Á				
	<i>XXXXXX</i> 1, àb^8c/¥a Ásæclæ&c^å/¥a`c⁄i, [Á/6&y3&\+/¥a Á				
	Á₩₩₩Ô@ædåÆA^] æ&^Ás@Á[^}[æäÈ				
	ĺàÈÁÁÜ^{[ç^Áó@ Á[ˇlÁà[ĺœ Á@[låā]*Áo@ Á				
	AWWA $A = A = A = A = A = A = A = A = A = A$				
i	**************************************				
<i>'</i>	#####################################				
	/////////////////////////////////////				
	Í & ÞÁMÚ \{ [c^ Ázd* ^ Á, ` cá; } Á að ^ Á; - Ázd* ^ 				
	Α΄΄΄΄΄΄΄΄΄΄΄ Α΄΄ Α΄΄ Α΄΄΄ Α΄΄ Α΄΄ Α΄΄ Α				
	ÀÀÀÀÀ & ÈÀÔ @ & Àa & À{ ¦ & [} æ €] æ € •				
	//////\$\$\$}åA\&!æ&@•È				
	Á₩₩Ô ^æ) Ájælo•Áj¦Á^] æ&^Á <u>ā</u> Á∙&¦ææ&@°åÈ				
	minol od those if the liber terrescone er				
	FÈĞŞ [• ^ ÁÓ [o• CHÁÔ * Cơ ! Áæ• • ^ { à ^ ÁÁ * * * * * * * * * * * * * * * * *				

Ùæà^¦

TROUBLESHOOTING (Continued)				
SYMPTOMS	CAUSE	REMEDY		
Motor runs but will not cutÈ	FĚÓ^ œ	FÉXWWQ•]^&cAs\()o^Áse}åÁ,` ^^•ÉAÜ^] æ&^ ÁWWWSa^ o•Áse}åÁ,^]æãÁæeÁ,^^å^åÈ		
Will Hot Gut	ŒŽV^}•ã[}^¦	####################################		
Mower turns slowly or not at allÈ	FĚÓ[} cæ{ ā] æ; o• Á ÁWÁ^• d a8cā;* Á;][[ÁWÁ [ç^{ ^} oá; Á ÁWÁ; æ; o, o, á; Á	FEZWÁÜ^{ [ç^Áæ*^Á¸ ơḥ } Á ãà^Á, Áæ*^		
	GÉÁÙ`&oā[}Áē]^• ÁÁÁÁ,à•d`&o°åÁ HÉÁŠ[,Á[āÁÁ^ç^	GĚŽÁÁÓÔ@\&\Á[¦Á[ā]\•Á[¦Á[à•d`&Gā[}Á5] ÁÁÁÁÁ `&Gā[}ÁQ[•^È HĚŽÁÁÓÔ@\&\ÁP^åĚAæa}\Á^ç^ Áæa}åÁā[]È		
Pump will not work	FÈÄÒ¢&^••ãç^Á¸^æb Á₩¼¸}Á§;¢^¦}ædÁ;æb∢•	FEÁÁÁÓãæ••^{à ^Áæ}åÁ^]æãÈ		
Motor will not work	FÈÉÒ¢&^••ãç^Á, ^æb ¼¼¼, }Á5j c^¦}ædÁjæbo•	FEÄÁÁÖãaæ•^{à ^Áæ)åÁ^]æ≦iÈ		

NOTE: $AGA_{[]}$ $A_{[]}$ $A_$

Ùæà^¦

Tæng c^}æng &^AÛ/^&cna[}Án E

LUBRICATION RECOMMENDATIONS					
Ö^•&¦ā̞ ᾱ́і̞ }	OE[] a8kaeaa[]}	Õ^}^¦æ ļÁÙ]^&ãã&æā[}	Ü^&[{ { ^}å^å Mobil Lubricant		
Vlæ&d[lÁP^ålæĭ læv•Á	Ü^∙^¦ç[ã	RÖËŒÔ	T[àã‡-∤ఀããíÁiGI		
		OÙUÁIÎÁOÇIGËY^æ¦EŠ[¸Á/^	{]T[àāļÁÖVÒíÁrÍT		
Þ[¦{æ Á/^{]^¦æe`¦^•Á/Á FÍ»ÁØÁÛæetdËMJÁ/Á/Á/Á/Á/Á		OÙUÁIÍÁOE, caЁY^æl	Þǐ ([í PIÎ ÉÁT [à ĀÞÁÖ VÒÍ GÍÁ		
	. Ü^•^¦ç[ā	ÚŒUÁÙ^}c@ca&ÁÒ¢d^{^ Ú¦^••`¦^ÁÕ^ædÁŠ`à^	T[àā[íÁTÁÛ^}c@~cã&ÁÕ^æ Š`à¦ã&æ)c%ŠÙÁÍÍYЁJ€ÉÄT[àā] Ö^ çæ&ÁÛ^}c@~cã&ÁÕ^æ\ÁJā] ÏÍYЁJ€		
	₩Õ¦^æ^ÄÕ`}	Šão©ã{ ËÔ[{] ^¢ ÞŠÕOÁŒÜÙUÁHG€	T[àãµ/Ö^ çæ&i Á/d^{ ^ÁŐ¦^æe^ T[àã;*¦^æe^ÁÔTĒÙ		
	Õ¦^æ^ÄÕˇ}	Šão©ã{ ËÔ[{] ^¢ ÞŠÕOÁŒÜÙUÁHG€	T[àã¼Ö^ çæ&íÁ~d^{^ÁÕ¦^æe^ T[àã;*¦^æe^ÁÔTËÙ		
— Ö¦ãç^ÁÙ@eeóÄ′[∖^Ê WEŌjājoÁBÁÙc`àÁÙ@ec	Õ¦^æ^ÄÕˇ}	Šão@ã{ ËÔ[{] ^¢ ÞŠÕ QÁCËÒ)UÁHG€	T[àã¼Ö^ çæ&iÁYd^{^ÁÕ¦^æe^ T[àã;*¦^æe^ÁÔTËÙ		
	Õ¦^æ^ÁÕ`}Á	Šão@ã{ÁÔ[{] ^¢ ÞŠÕ ŒÁGËŒÙUÁHG€	T[àāļÁÖ^ çæ&íÁÝd^{^ÁŐ¦^æ^ T[àāļ*¦^æ•^ÁÔTĒÙ		
	Õ¦^æ^ÁÕ`}	Á Šão©ã{ÁÔ[{] ^¢ ÞŠÕOÁGËÒÙUÁHG€	T[àāļÁÖ^ çæ&iÁÝd^{^ÁÕ¦^æe^ T[àā]*¦^æe^ÁÔTĒÙ		
Ö^&\ÁÙ] āj å ^ÇÜ[ææf^ D	Õ¦^æ^ÄÕˇ}	Šão©ã{ÁÔ[{] ^¢ ÞŠÕOÁGHÜÙUÁGG€FÄÚOEU Ù^}c@c&AŐ\^æ•^	T [àããão®ÁÙPÔÁGG€Ê Vãt^¦ÁÚæ}oÁA€ÎÍI€€€€€		
Ùæà^¦	T æ]; c^}æ); &^ÁÛ^&ca[} }ÁiЁ			

TORQUE SPECIFICATIONS

Nominal Dia.				Grade 2		>	Grade 5		0	Grade 8			Grade 9
Dia.	per inch	Tig	htening Tor	que	Tig	htening To	rque	Tig	htening Tor		Tig	htening Ton	que
	IIICII		Dry Plated			Dry Plated		Lubed	Dry Plated		Lubed	Dry Plated	
(in.)		K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20
					Unit	fied Coa	rse Threa	ad Series					
1/4	20	49 in-lbs	59 in-lbs	66 in-lbs	76 in-lbs	86 in-lbs	101 in-lbs	107 in-lbs	122 in-lbs	143 in-lbs	126 in-lbs	143 in-lbs	168 in-lbs
5/16	18	101	122	135	157	178	209	221	251	295	259	294	346
3/8	16	15 ft-lbs	18 ft-lbs	20 ft-lbs	23 ft-lbs	26 ft-lbs	31 ft-lbs	33 ft-lbs	37 ft-lbs	44 ft-lbs	38 ft-lbs	43 ft-lbs	51 ft-lbs
7/16	14	24	29	32	37	42	49	52	59	70	61	70	82
1/2	13	37	44	49	57	64	75	80	90	106	94	106	125
9/16	12	53	63	70	82	92	109	115	130	154	135	153	180
5/8	11	73	87	97	113	128	150	159	180	212	186	211	248
3/4	10	129	155	172	200	227	267	282	320	376	331	375	441
7/8	9	125	150	167	322	365	429	455	515	606	533	604	710
1	8	187	225	250	483	547	644	681	772	909	799	905	1065
1 1/8	7	266	319	354	596	675	794	966	1095	1288	1132	1283	1510
1 1/4	7	375	450	500	840	952	1121	1363	1545	1817	1597	1810	2130
1 1/2	6	652	783	869	1462	1657	1950	2371	2688	3162	2779	3150	3706
						Fine TI	nread Se	ries					
1/4	28	56 in-lbs	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 F = Clamp Load

K = 0.20 for plain and dry conditions

		1		0-10115	101110	class 8.8	inp ioi	WEUT	Class 10.9		Class	s 12.9	
100			4.6)		8.8)	,	10.9)	F	12.9	
										•	1		
Nominal	Pitch	Tigl	ntening To	rque	Tig	htening Tor	que	Tig	htening To	rque	Tightening Torque		
		Lubed	Dry Plated	Dry plain	Lubed	Dry Plated	Dry plain	Lubed	Dry Plated	Dry plain	Lubed	Dry plair	
Dia.		K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.17	K = 0.20	K = 0.15	K = 0.20	
(mm)		(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	(ft-lbs)	
3	0.5	0.28	0.32	0.38	0.73	0.82	0.97	1.0	1.2	1.4	1.2	1.6	
3.5	0.6	0.44	0.50	0.59	1.1	1.3	1.5	1.6	1.9	2.2	1.9	2.5	
4	0.7	0.66	0.74	0.87	1.7	1.9	2.3	2.4	2.7	3.2	2.8	3.8	
5	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 lo	ad calc	culated as	75% of th	ne proof lo	ad for spe	cified bolts	K = 0.15 f	or "lubric	ated" cond	itions	D = Nomir	nal Diamete	
All torqu	e value	es are list	ed in foot-	pounds			K = 0.17 f	or zinc pl	ated, dry c	conditions	F = Clamp	Load	
Oronia v	ohuoo	colculato	d from fore	nula T=KD	Ewhore		K = 0.20 for plain and dry conditions						

Torque values calculated from formula T=KDF, where K = 0.20 for plain and dry conditions $EV @ \bullet \land AE \land A^{\uparrow} \land A^{$

Tænāje^}æ)&^ÁÛ^&cnāj}ÁiËJ Ùæà^¦

POLYCARBONATE CARE & MAINTENANCE

V@Á,![]¦àrœaḥ^ÁWXÁsaḥaåÁŒā¦æeā[}ÁÜ^•ãrœaḥoÁÜ*¦ææ\$AÁS[ææā]*Á;}ÁÜPŒÒŠÖÙíÁÜWÚÒÜÔUŒVÒÖïÁ,[[]&æàà[}ææ^ •ãt}ãaBæaḥq^Áā[]¦[ç^•Á;^¦-¼;{æ}&^ÉÚ^¦ā[aåBÁS4|^æòpā]*Á*•ā;*Á;¦[]^¦Á;¦[&^å*¦^•ÁæþåÁS4[{]ææāa|^ÁS4|^æòp^¦•Áæф^ !^&[{{^}a^a^áA[A;![][]}*Ár^!çã&^Áā^ÉVā*^¦ÁÔ[!]ĒÁ;[]^&æàá[}ææ^ÁaAÙWÚÒÜÔUŒVÒÖïÁ;}Ás[c@Áæā^•È

ÔŠÒŒĐ Œ ÕÁ/PÒÂÙWÚÒÜÔUŒ/ïÁPŒÜÖËÔUŒ/

- FÈ Yæn @Á, ão @Án æÁ, āhà Án [| 'cā] λ Á, Án [æ] Á, lÁn λ o'\ λ o Án) å Á \ \^, æb {Á, æe \ È
- $\begin{array}{lll} \text{CE} & \text{W*-\vec{a}} * \text{ÁseA*} [-\text{oA*} | [\text{coA*} | A*] [\ \} * ^ E*^{A*}) \text{ q^A} & \text{coA*}
- $H\dot{E} \qquad V[\dot{A}; \land \uparrow \land \uparrow] [cc\bar{A}; \dot{E} \dot{A};][cc\bar{A}; \dot{E} \dot{A};][cc\bar{A}; \dot{E} \dot{A};][cc\bar{A}; \dot{A}; \dot{A$
- IÈ Cōç[aña Ás@ Á ^ Á; -Ásaà | æ• ãç ^ Ásu| ^ æ) ^ ; ĒÁ ˇ ` ^ ^ * ^ Ása) å Đ; | Á; c@ | Ásu| ^ æ) ā; * Ás[] | ^ { ^ } o• Ás@æcÁ; æð Á; æð Á; | Á * [* * ^ Ás@ Ás[æcā] * È

ÔŠÒŒĐŒPÕÁŒÕÒÞVÙÁY POÔPÁ POEXÒÁ ÓÒÒÞÁ ØUWÞÖÁ VUÁ ÓÒÁ ÔUT ÚŒVOŐŠÒÁ WÞÖÒÜÁ ŠŒÓUÜŒVUÜŸ ÔUÞÖQYOUÞÙK

″ OE `^[`•ÂÛ[|`œ∏|}•Án,-ÂÛ[æ]•Áæ)åÁÖ^e^¦*^}o•

Yājå^¢QFD V[]ÁR[àQGD R[^QGD T\ÁÔ|^æajQGD \mathcal{O} EQ \mathcal{O}

″ U¦*æ}ã&ÁÛ[|ç^}o•

Ó c |ÁÔ^||[•[|ç^ S^|[•^}^ P^¢^|ÉAÐÈUÉÁÍI Þæ] @c@æÁÇXTBÚÁt¦æå^D

Þ^|^&{ ËÚ|æ&^¦ V~¦&{ Á € G

″ O‡&I @ |•

T^c@ed[| Q[];[]^|

OT[|Á^•ãa*adÁ|*ad; 38Á|[|ç^} o Á @ *|aÁa^Á^{ [ç^aá, ão@ÁaA^8[} aæ^Áā;•^È

GRAFFITI REMOVAL

Ó c | Ás\| [• [|ç^Áç | Á^{ [çæ Á - Á æð • ÉÁ æð • ÉÁ æð 4 å * Á ^ Á æð • ÉÁ æð • É

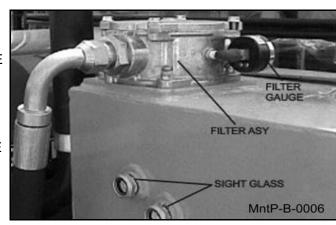
\[Á'^{ [ç^Á|æà^|•Ê+•cæ\^|;•É\^c&EÉ\^c&EÉ\c@Á`•^Á;~Á\^|;•^}^Á;!ÁXTBÚÁ;æ]@c@æÁæ\^Á*^}^|æ|^Á\~^&cæ\^É\Y@}Ác@ •[|ç^}cÁ;ā|Á;[cÁ;^}^dææ^Á;cæ\Á;ææ\£æ;EÉ\@;A`•^£;ææ\£æ;EÉ&;]|^Á@ææÁ@æā&å;^^!DÁ;Á={-e\}Ás@Áæå@•ã;^Áæ}åÁ;!{{[c^A^{

 $\begin{array}{l} \textbf{IMPORTANT:} \triangle GA & \textbf{ae} \land \vec{ae} \land \vec$

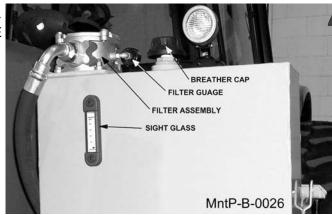
Ùæà^¦ Tæaje^}æ)&^ÁÛ^&daj}ÁiË=€

RECOMMENDED FILLING INSTRUCTIONS FOR HYDRAULIC RESERVIORS

Y @ } Áalla * Á; l Ás@ & a * Ás@ Á; āÁ^ ç^ |ĒÁs@ Á } āóÁ @ ` | å
à^Á; æ \^å Á; } ÁsæÁ^ ç^ |Á` | -æ&^ EÉÁ @ oÁU ØØ+ÊÁs; å Ás; | [
• ` ~a&a` } oÁa ^ Át Ás[| Át Áse à àa } oÁo {] ^ | æ ' ^ EÁV • ^
& e at] Á, @ } Á\^ { [çā * Ác@ Á] | ^ • • ` | ā ^ å Áa | ^ææ@ | È
Ö [Á } [oÁ] | æ&^Á-æ&^Á; ç^ | Á[] ^ } ā * Á, @ } Á! ^ { [çā * àa 6] ^ æ@ | EÁ 6] |



QÁ'[`'|Á'^•^\çā|'Á@æÁ[}^^eā @Á*|æ•Đ^{]}'|æč'|^
æ\KÁ\@Á^•^\çā|'Á@@Á]\åÁş\Á@\Á\$\} &\'Á;~
c@Áā @Á*|æ•Á;} Á@ÁāA^Á,Á@Áæ)\ÈÖ[Á,[cÁ;ç^\!Ë
-ā||ĚQÁ@Áæ)\Á@}\Á@;[Á, &@Á;āA\A;A@Aæ)\ÈÖ[Á; æÁà^^ ^¢]^||^åÁ@[`*@Á@Á;\^••`¦ā^åÁs|^æ@\



DETAILED MAINTENANCE

ÜÒÚŠŒÔOÞÕÁOÞËZŒÞSÁPŸÖÜŒKŠOÔÁZOŠVÒÜK

Š[[•^} Ác@ Á;[`¦Áà[|o•Á;] Ác@ Á;] Á&[ç^¦Á; -Ác@ Áā;c^!
@`•ā;*È\";} &&[ç^!Á&[`} c^!E&[&] ā;^Á; cā;A&[ç^!Ás;
-\^È\"\{[ç^Áa;à åÁ^]|æ&^Áā;c^!E\"\]|æ&^Á;] A&[ç^! æ}å&&[ç^!Ás;[o•Á;Á]][•ãc^Á; å^!Ás;A^{(c*)}

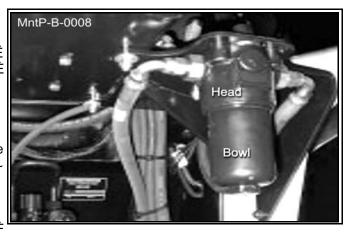


Ùæà^¦

Tænafe^}æn}&^ÁÛ^&cnaf}ÁiËFF

DETAILED MAINTENANCE

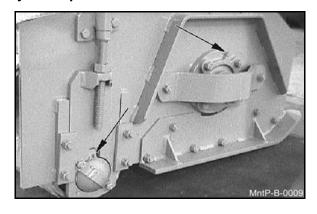
REPLACING HIGH PRESSURE HYDRAULIC FILTER ELEMENT:



Væ\ ð * Á&æ\^Á, [cÁg Áå¦ [] Ác@ Áa [¸ |ÊÁð ã @Á^{ [çð * Ác@ Áa [¸ |Á¦ [{ Ác@ Á@ æåÈWARNING: bowl will be full of oil!

GREASING CUTTERSHAFT - FLAIL MOWERS

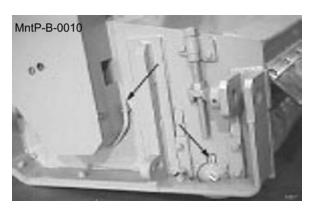
Š[&æc^Át¦^æ^Á^¦\•Á; } Áræ&@Á} åÁ; Á&c cc^¦•@æc\$ ŒÁc •^Áæb^Á[&æc^åÁ; } Ác@Áà^æð; *Á&[ç^¦ÉÞ[; { æþÆ[} åãã; }• '^`ã^Á; }^Á; ¦Á; [Á] *Á; ÁæÆæÃ; }•ÉV @à ÁæÆæÅ; *ÉÁ •∄ *ÁŠãc@ã { ËÔ[{] |^¢ÁÒ¢d^{ ^ÁÚ¦^••`¦^Át¦^æ^Á&[}-Á. Ã; Á; Å; ÁæÁæ; Å; ¦ÁæÁæ hour intervals. CAUTION: Over greasing may cause premature seal failure.



 \dot{U} \dot{Z} \dot{Z}

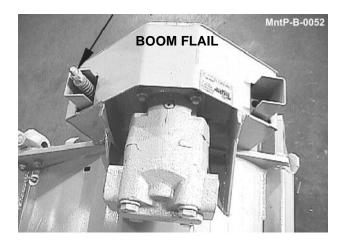
GREASING GROUND ROLLER SHAFT-FLAIL

Š[&æc^Ár¦~æ^Á^!\•Á;}Á^æ&@^A} åÁ; -Á[||^!Ác`à^ÁæcÁ[¸^!Ár} åÁ; -Á@ æåÈÞ[!{ æÁ&[}åãã;}•Á^~`ă^Á;}^Á; !Áç []`{]•Á¾ Á^æ&@A`æå;*ÉÄ`•¾*ÁŠãœã { ËĎ[{]|^¢ÁÒ¢d^{ ^ÁÚ!^••`¦^Á*¦~æ^Á&]}-{!{ ¾*Áţ ÁÞŠÕœĐÈÙUÁHO€
•]^&ããææã;}•ÉÁV@ãÆÁ;ÁçÁà[}^Á;ÃcæÁå;]^Á;ÃcæÁå;AcæÁå;AcæÁå;AcæÁå hour intervals. CAUTION: Over greasing may cause premature seal failure.



ADJUSTING/CHECKING BELT TENSION

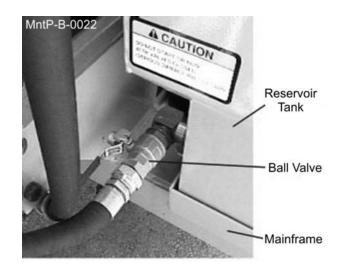
\[ÁæåĎ • oÁà^|oÁc^} • ǎ[} Á[¦Á^] |æ&^Áà^|oÁ[} Á|æåÁ& œ^! @æåÉ\^{ [ç^Á{ ` ¦Áà[|oÁœæÁ*^&` !^Áà^|oÁ[Ás[ç^! æð åÁ^{ [ç^Ás[ç^!É\@Á@¢Á] ` oÁ@] } Áà^|[¸Á&æð à^ÁæåĎ • c³åÁ[Ás] &!^æ^Fā^&!^æ^Ác@Áà^|oÁc^} • ǎ[} æÁ]^^å^ååĚ\(NOTE: Location of adjustment nuts may vary on flail cutter heads.) Be sure to replace the belt cover BEFORE operating mower!



Ùæà^¦

BALL VALVES

V@ÁaæļÁçæţç^ÁæórœÁœÁœÁa ålæ ¡æÁ^•^¦ç[āÁ; æÁ,^^å ﴿ Áa^Á&][•^åÁå ˈ ið *Á&^!æð Á; æð c^}æð &^Á[iÁ^] æð] ¦[&^å '!^• 於THE BALL VALVES MUST BE OPEN (handle parallel with valve) WHEN TRACTOR IS RE-STARTED OR PUMP IS COUPLED TO MOTOR OR PTO! Øæð '!^Áq Áå[Á [Á, ã|Á'^• ` |oਓ & & {] [} ^} oÁæð '!^Â



TIGHTENING KNIFE BOLTS AND DISK BOLTS:

BOOM ROTARY (SABER X3) ĀĀŒ \ Á\ç^\\ Å\ \ A\@\`\• [-Á\]^\| aæā \ Á\| Á\aæā \ Ē& @\ÁS \ ā\ÁO [| o Áæ \ a\O ā\ ÁO [| o • @\`| a\Áa \ Áæ @\}^ a\Áæ Á\ || [. • K

FËFÐ)+Á}ã^Á([ˇ}αā)*Áà[|o•ÁÇGÁ\æÐEÁ([¦ˇ ^Á([ÂÎÏ€ÁdÈ |à•ÉĂĭà¦&BæevåÈ

ÍÐÌ+Áåã\Á([ˇ}αā,*Áà[|ơÁQÎÁ\æÈÐÁ[¦ˇˇ^Á[ÁFÌ€ÁαÁ]à• |ˇà¦a&ææ°åÁ,ão@ÁŠ[&oãe*ÁGÏFÉÁGEIÁdÈÁ)èÈå¦^È

å

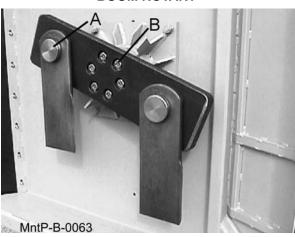
SABER ROTARYÁÄÁGE¢\¦Árç^¦^ÂrÁQºˇ¦•Á;-Á;]^¦ææáj} [¦ÁåæájîÉÁc@°Á}}ã^Áà[|o•Áæ)åÁà|æå^ÁàæáÁá[|o•Á•@)ˇ|å à^Áæð@c^}^åÁæeÁ[|l[¸•KÁ

S}ã^Á([ˇ}đạ*Áà[|ơ•ÁÇCHĐÁM[¦ˇˇ^Á([ÁG€€€ÁđĚA)à•ÈÊ |ˇà¦ã&æe¢åÈ

HED +Áà|æå^ÁàæáÁ; [ˇ] cāj *Áà[|o•ÁÇÓDAÁM; lˇˇ^Áq[ÁHFÍÁcÈ |à•ÈÄ;ˇà^åÁÇŠ[&\cãe^íÁGïFDA;¦ÁHÍÏÁcÈĦà•ÈÄå¦^ÁG;|ææ^å à[|o•DEÁ



BOOM ROTARY



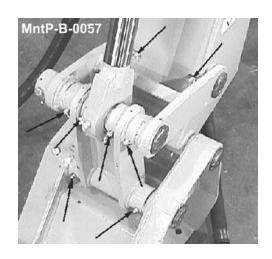
SABER ROTARY

Ùæà^: Tæijiơ^}æ) &^ÁÛ^&qij}ÁnÉFI

GREASING POINTS ON BOOM AND PIVOT

 $\tilde{S}[8eec^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A':|^*ae^{A'$

SABER





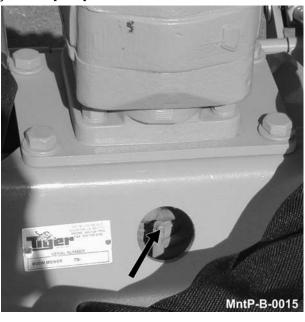


Ùæà^¦

Tænā (°) æ) & ^ÁÙ ^ & cnata } Á Ë É

GREASING SPINDLE

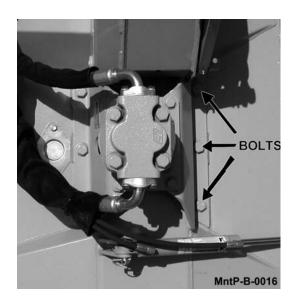
 $\tilde{S}[8 \text{cec}^{\acute{A}} \text{$^{\acute{A}}$} \text{$^{\acute{$





TIGHTENING SPINDLE BOLTS

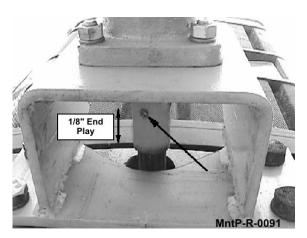
V@Án]ājå|^Á([ˇ}cā)*Án[|orÁn@[ˇ|åÁnò^Á&@&\^åÁno)å ¦^d[¦ˇˇ^åÁnåænāj^Á(¦Ánò,o^¦^Ár€Á@[ˇ|•Á(-Án^¦ça&^ÈÁv[¦˘ˇ^ c@ÁÇÎDÁn[|orÁn@]}}Án^|[,Án[HFÁndÉ|à•È



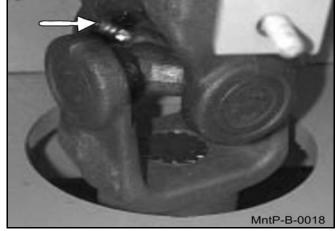
Ùæà^¦

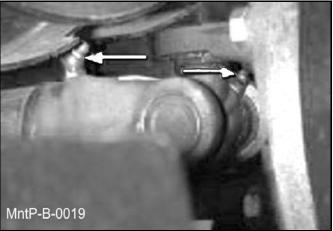
Tænā (°) æ) & ^ÁÙ ^ & cnata } Á Ë Î

GREASING PUMP DRIVESHAFT COUPLER



DRIVE SHAFT YOKE, U-JOINT 7STUB SHAFT

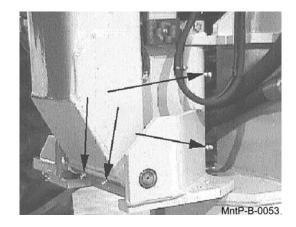




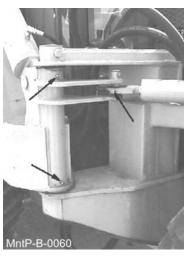
Ùæà^¦

Tæd c^}æ) &^ÁÛ^&cai} A ËFÏ

GREASING THE BOOM SWIVEL



BOOM SWIVEL



SABER SWIVEL



SABER SWIVEL

GREASING BOOM CYLINDER(S) PIVOT POINTS

 $\tilde{S}[8 \cos \hat{A} \cos \hat{A}^{-1} \hat{A}_{1}] \hat{A} \cos \hat{A}_{2} \cos \hat{A}_{3} \hat{A} \cos \hat{A}_{4} \hat{A}_{5} \hat{A}_{6} \hat{A$



Ùæà^¦

Tæā, c^}æ, &^ÁÛ^&cā;}Á, ËFÌ

Blades

Ô@&\Áo@ÁÓ|æå^•Á[¦Á&¦æ&\•Áæ)åÁ¸^æ¦Áæ)åÁÓ|æå^ÁÓ[|œ•Á{¦Áæã @}^••ĒÅåæã¶ĚÓ|æå^•Á•@[`jåÁà^Á^]|æ&^åÁ¸@} o@^Áæ4^Á,[¦}Á^¢&^••ãç^|ÊÁà^}dÊá^-{¦{ ^åÊá;¦Á¸°ø,A6ææ}&^È

A CAUTION

Important



AWARNING



FÈ

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

Tænāje^}æaj&^Áù^&cnāj}ÁiËFJ

Ùæà^¦

ROTARY KNIFE REPLACEMENT (TRB 50)

FÈÁÓ^Ái`¦^Á[`Á@æç^ÁæÁ&[{]|^c^Á;æc&@ā;*Ár^oÁ;-Á;^,Á}ãç^•Á[¦Ár]|æ&r{^}cÈ

QHÁU^{ [c^Á} ãc^• Ást åÁst•]^8cÁQ |^• Át ¦Ásat æt ^HÁOH• [Á æst QÁ ¦ Ást æt \ Æst æt æt \ Æst æt æt \ Æst æt æt \ Æst
HÉÁŠ à ^Áx@ ^æå • Á, ãc@ Áæ) cã É ^ã ^ÉQ • cæ|Áx [|ơ Áx@ [* @Á } ã ^Áæ) å Áæ ã \ Á\[{ Áæ [cc[{ Án ãæ ^ Án -Áæ ã \ ÈÁQ • cæ|Án ^ , Án ^]-EÁÁ | [&\ ã * Á * Ó * Áæ) å Ág | ` ~ Áæ@ { Ág Án €€ÁcEÁa • È

IÈV @ Á}ãç^•Á @ ˇ|åÁ、ã; *Á¦^^| Á; Áscà•[¦àÁ @ & •Á¦[{Ás[]asScÁ, @}}Ádãã; *Á;àb & •ÈÁ

AWARNING

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

ROTARY KNIFE REPLACEMENT (SABER 50" ROTARY)

FÈÁÓ ^ Á ` ¦ ^ Á [` Á@æc ^ Áscé& [{] | ^ c ^ Á; æc&@ * Á ^ oÁ; ~Á ^ . Á } ãc ^ • Á; ¦ Á^] | æ& ^ { ^ } cÈ

QĐÁNU^{ [c^Á} ãc^•Ásè åÁs•]^8cÁQ |^•Ás¦ Áåsæé æt^ÞKNE•[Á æse&QÁS¦Ásákæek •Ási Ás@Aáã\Áse|`}åÁs@ÁQ |^•È

HĐÁŚ à^Ás@^æå•Á ão@Áæġ cãë ^ã ^ÈÁQ,• cæḍÁa[|ơ Ás@| * @Á}ã^Áæġ å Áàã \Á¦[{ Ás@ Áa[co[{ Án ãa ^Á; Áàã \ÈÁQ,• cæḍÁ; [o Ás@] * Á •^|-Ë[8\ā *Á`ơ Áæġ å Áq[' ` ^Ás@ { Áq ÁG€€€ÁcÁà•È

I ÈÁV @ Á } ãç^• Á @ ˇ |åÁ . ã * Á ¦^^|ˆ Ág Áœà• [¦àÁ @ & \•Á [{ Ág] æ&cÁ @ } Á dã ā * Á à b & e È

REPLACEMENT OF ROTARY DISK (TRB 50)

FÉÁV@Áā[|orÁs@ænÁæcæ&@Ás@Áåã\ÁgÁs@Á*]ājå|^Á; ˇ•oÁà^Át¦æå^Â;ÉÁV@•^Á;ÐÒÁāj&@Áà[|orÁæò^ÁgÁà^ÁágÁ;Ä``^åÁgÁæ] å¦^Á;¦ÁFÌ€ÁÁdÉÁà•Á;à^åÁ¸ão@ÁŠj&oãx^ÁGÏFÈ

QĐÁQĐÁQŶæåÁ[&\ā,*Áœ*^} oÁ; æêÁà^Áæð] | ð\åÁg ÁxQ^æå•Á; Áæd|Á; [ˇ} cð; *Áā[|o•Áà^↓¦^ÁxQ^Âæ;•æd|^åÈ

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.

REPLACEMENT OF SABER 50" ROTARY BLADE BAR

FÉAV@#A\$[|@#A\$@@#A\$@@@#A\$@#A\$@#A\$|@#\$^#A\$|@#A^#A\$|@#A#A\$\#A\$\@**^#A\$[|@#A\$#^#A\$[|@#A\$#^#A\$[|``^å#A\$[#Afi|`AdA}*A å¦^#q¦##F|#AcA|`a*#\`a^åA\$\#\$@#\$[&&@#`AGiFÈ

CHÀÁKOZÁC@^æåÁ[&\ā*Áæ*^}cÁ;æêÁà^Áæ]]|ā\åÁ;Ác@^æå•Á;Áæ|Á;[`}cā;*Áà[|o•Áà^;¦^Ác@^Áæ4^Áā;•cæ|^åÈ

HĐÁMQ•]^&oháaaj^Á[¦Á@ai]aj^Á&;æ&\•Áæ[`}åÁ}ã^Áæ}åÁæ}åÁæ;åÁæ;åÁæ;åÁæ;åÁæ;åí[`}æj*Áæ;(|o•ÈV@•^Á&;æ&\•Áē;åæ&\•Áē;åæ&\•Áæ;åÁ;^ææ*Á;^o•Aæ;åÁ;)æå^Áæ;åÁæ;åÁ;%æå^Áæ;åÁ;]ææ*Áå;åÆ\æ&\•Áē;åæ&Aá;

l ΕΑΟ •]^& ο Αο Αο Φάν Α΄ (ε') σε *Α΄ (ε'

Í ÈÁGÁBÁA} ã^Á; [ˇ} cāj * Áà[| c⁄ã Á[[•^ÊÁGØÁ^|-Ë| &\āj * Á,ˇ c∕i, ˇ• c⁄à^Á^] | æ&^å Áæ Áæ Áæ Áæ Áæ É Á; |^8æ čāj } ÈÁŠ à ¦ ææ ÁÁ c@^æå• Á, ãc@Áæ; cāĒ^ã ^ ÈÁQ,• cæ||Áà[| o Áæ; å Á^|-Ë| &\āj * Á,ˇ o Áæ; å Áí| ; ˇ ^ Áý Á∂€€€Ác⁄jà• È

Ùæà^¦

Tæajc^}æ)&^ÁÛ^&caj}ÁiË⊙€

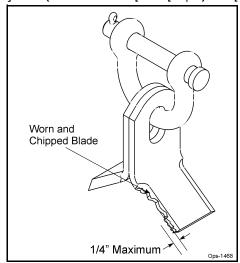
Flail Blades Inspection

A DANGER

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

- \tilde{C} \tilde{C}
- Y ^æ-kka ãã ^ kô @ ka | æå ^ ka [| o 40 0 | ^ EA |
- "OF, ÂS, æS, Ás, ã ãa | ^ ÊÁ, ¦ Á
- Ű^^] Á[* * ^ Á§ Ás@ Ás|æå^q Á * ¦ -æ&^Ásd^^Á; ¦^•^} dÂ(;

DO NOTÁ dæð @^} É @ed] ^} É ^|å/i | Á@edå Ëæ&^ Áa |æå^•



OE, æê•Á^]|æ&^Áa|æå^•Áa, Á·^œ

- ´´ Ó |æå^•Áo@æÁæ†^Áåæţæ æ*^åÁţæê Áā¸åã&ææ^Ár^ç^¦^Ár^¦çã&^Á;¦Áæà`•^ÈÁQÁţ}^Áà|æå^Áã;Á [¦}Áţ¦Áåæξæ*^åÁţo@¦
 à |æå^•Áţ}Áo@Áæţ^Ár@æçÁ¸ä|Á@æç^Áà^^}Ás^^}Ás`àb^&c^åÁţÁo@Áæţ^Ár^ç^¦^Ár^¦çã&^Á;¦Áæà`•^ÈÁ

Important

\\\\^\Arti_{\bar{1}} \rightarrow \text{A} \rightarrow \text{A} \te

A CAUTION

Þ^ç^¦Áæc^{] cÁ[Á œd]^} Áa|æå^• È‱0PS-U-0044

Ùæà^¦

Tængi e^}ængi &^ÁÛ^&caqi }Án ËÖF

Blade Pins and D-Ring Inspection

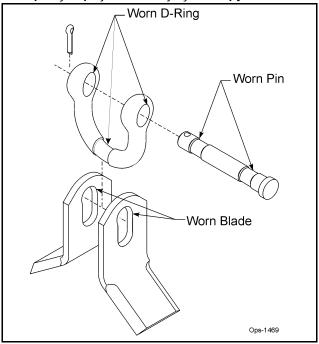
Q.•]^&a/Ó|æå^ÁÚð;•Áæ;åÁÖËÜð;*•Áåæðf;Á[¦Á;^æð/í;¦Áåæ;æ*^Áæ;Á[||[;•KÁ

A DANGER

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

- ″ Xã•ãã।^Á&¦æ&\•Á∖¦

Of, æ • Á^] |æ&^ Ás@^Á, ā • Ása) å ÁÖËÜ ā * • Á @}^ç^! Á\¢&^•• ãç^Á, ^æ Ás Á; [æ&^ å ÈÁ



Important

 $\begin{array}{l} \text{GÁO}_{A} & \text{GA}_{A}

Ùæà^¦

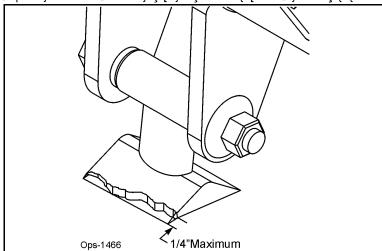
Tænijer) ænje & AÛ/ & Aûja } Ánj ËEG

Flail Axe Blades Inspection

A DANGER

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

- " Ó^8[{ ^Ás}^} \circ Á\Ás^} \circ Á\Ás^4]{ ^åÁ\[{ Ásō Á\Î à ā ækÁ @æl ^ÊÁ\}
- "UçækÁ @æk ^Á ^ækÁş •ãå ^Ác@ Áà æå ^Áa [|cÁQ | ^ÊÁ; |
- ″ OE, Â&, æ&, Áæ, ^ Áçã; ãã | ^ ÊÁ, ¦ Á
- ″Ö^^] Á† [* ^ Á§, Ás@ Ás|æå ^ αγ Á * ¦ -æ& Λ Ásd ^ Á; | ^ ^ } dÊÁ; ¦
- ~~Õ[˙*Λ•Å; k&@aj] Λå Ásek λæ• Ásj Ás@ Ásč ασā, * Áså *ΛÁsé ΛÅse *Λ¦ Ás@æ) ÁFÐ +Q { □ĐÁ; kÁ



Øæajĭ¦^Áq[Á^]|æ&^Á¸[¦¸Áq¦Áåæé æt^åÁà|æå^•Áq æ∂A∱æåÁq[Á&æææ•d[]@æ&Áæajï¦^Áq—Áx@ Áà|æå^•Áæ)åÁn∀b*&ca[}Áq—Áx@ à¦[\^}ÁjædoÁ¸ãc@Ád^{^}å[ĭ•Áq¦&^Á¸@æk@Áq æ∂Á&æĕ•^Án^¦ajï•Áa[åajíÁajbĭ¦^Áq¦Áå^ææ@Á

OE, æê•Á^] |æ&^Áa|æå^•Áa Á^œ

- Ó | æå^• Ás@æxÁæd^Ásiæe(æt^å Áş å å å ææx Ás^ç^!^Ás^!ç ã & Áş!Ásæà`•^ ÈÁQÁş}^Ása|æå^ÁsaÁş [;} Áş!Ásæé(æt^å Áş c@!Á
 à | æå^• Áş}Ás@Ásæe(^Ás@æxÁ, ā]Á@æx,^Ása^}Ása^} Ása^\$ Ása & Ása

Important

\(\frac{\hat{1}}^{\hat{1}}_{\hat{1}}^{\hat{1}}^{\hat{1}}_{\hat{2}}^{\hat{2}}^{\hat{1}}_{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}_{\hat{2}}^{\hat{2}}^{\hat{2}}

A CAUTION

Þ^ç^¦Áææ?^{] œ([Á œd] ^} Áà|æå^• ÞÁ₩₩ÓPS-U-0042

^¦ Tænāje^}æn}&^AÛ^&anāj}ÁniËCH

Ùæà^¦

Flail Axe Blade Bolt Inspection

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

A DANGER

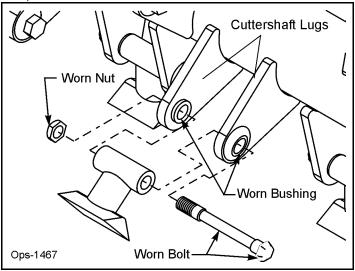
Q•]^&\(\delta\)c@\(\delta\)c\(

- ″ Xã•ãã। \^Á&¦æ&\•Á\¦

- \mathcal{C} QÁÓ @3 * Áã• ÁI [• ^ Á§ Ás@ ÁÜ [d | ÁÙ @eedÈ

②æajî'¦^Áq[Á|^]|æ&^Áæaà}[¦{æ||^Á,[¦}Áa]|o•Á[¦Áàĭ•Øa)*•Á(æâÁ|^æåÁq[Á&æææ•d[]@æAÁæaji'¦^Á(Æa)∞^Áa|æå^•Áæ)å ^b%&aj}}Á;Ææ@Áa;[\^}ÁjædÓā,@æ@Á;æ&ØÁæ*•^Á^¦ājŏ•Áa]åäfÁajb';¦Áa,^ææ@ÉÁ

CE; æê•Á^] |æ&^ÁÓ|æå^ÁÓ| |or Á; āo@Á^, Áa[|or Áæ) åÁ,^, Áaˇ• @3 *•Á, @}^ç^¦Á^] |æ&ā; *Áo@ÁÓ|æå^•ÈÁ/[Áæ² @^} Áa[|or æ; åÁ,ˇor ÉÁā• oÁæ]] |^Áo@^æåÁ[& Áæ] & Áæ] & Áæ] & Áæ] & Áæ] & Áæ] & Áæ] | rÁo@^æåÁ[& Áæ] & Á



50" FLAIL KNIFE BLADE REPLACEMENT

- FÈ QÁ}ãç^•Áæç^Áåæç æ‡^åÁ;¦Áàæå|^Á;[¦}ÊÁ@^Á;ĀļÁ,^^åÁq;Áà^Á^]|æ&^åÁæ ÁæÁ^dŽÜ^]|æ&ā*ÁæÁ;ā*|^Á}ã^ &æ)Á&æ*•^Á;^ç^¦^Áşā⦿ā;}Áæ;åÁ;[••āa|^Áàæ;æ**Áq;Ás@Á;[¸^¦ÈV@Á}ã^Á;@;`|åÁ;[ơÁ;^Á,^|å^åÁ;}Áq;¦ æ)^Á^æ;[}È
- Œ Œ,æ•Á^] |æ&^ÁœÁ} ã^Áa[|æ∮Á^] |æ&À *ÁœÁ} ãç^•ÈÖUÁ>UVÁÜÒWÙÒÁ/PÒÁ SÞŒÒÁÓUŠVÙÁUÜ ÞWWÙÈ
- IÈ Q• cæ|λó@ Λ[&\ ā] * Λœ ¢Λ, ˙ σΛ [λó@æλó@ Λ. αæΛæ&Λ Λ, Αδ@ Λ, ˙ σλε Λξ αθå• Λδ@ Λ. δ^ Ε.
- ÍÈ CE[]|^ÁS[&cãe^íÁnGïF+Á¦¦Án`ĭãçæ|^}oÁqÁc@^æå.∙È
- ÎÈ V[¦˘ˇ^Á¸ĭoÁq[ÁİGÁœÀÄ)à•ÈÁS}ã^Á(ˇ•oÁ¸ãj*Á;^^|È

Ùæà^¦

AWARNING

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.

AWARNING

Knives should not be welded on for any reason.

63" BOOM FLAIL KNIFE REPLACEMENT

- FÈ QÁ}ãç^•Áæ¢^Áåæ; æ‡^åÁ;¦Áàæå|^Á;[¦}ĒÁœ;^Á¸á]Á,^^åÁ;Áà;^Á^]|æ&^åÁæ•ÁæÁ*•ÁæÁ*•ÁæÁ*•ÁæÁ*;*ÁæÁ;*/AÁ}ã^ &æ;Á&æ*•^Á;^ç^¦^Áşāà¦æā;}Áæ;åÄ,[••āà|^Áåæ;æ**Á;Á;Ás@;Á;[¸^¦È
- HÈ Q• cæ|Á[&\ā] * Á@¢Á, * cÁ[Á@æóÁ@Á|æóÁæ&^Á; -Á, * cÁæ Á[, æbå• Ás@Á} ã^È
- IÈ O[]]|^ÁŠ[&cãe^ÁGÏFÁ;¦Á^``ãçæ|^}oÁ;[Ác@^æå•È
- ÍÈ V[¦˘ˇ^Á,˘ơÁ[ÁÍGÁAÁ)à•ÈÁS}ã^Á(˘∙ơÁ;ã,*Á,'^^|^È

AWARNING

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

AWARNING

Knives should not be welded on for any reason.

FLAIL AXE BLADE KNIFE REPLACEMENT

QÁ}ãç^•Ásæ'^Ásæ{ æ* ^åÁ; |Ásæå|^Á; |}ÉÁs@^Á; ā|Á,^^åÁ; Ása'Á; Ás^Ár] |æ&^åÁsæ ÁsæÁ*o Ásæj *Ásæá; *ÁsæÁ; *Ásæá; *Ásæá; Ásæá; Ás

AWARNING

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.

AWARNING

Knives should not be welded on for any reason.

Ùæà^¦

HEAVY DUTY SPINDLE ASSEMBLY INSTALLATION AND BEARING ADJUSTMENT

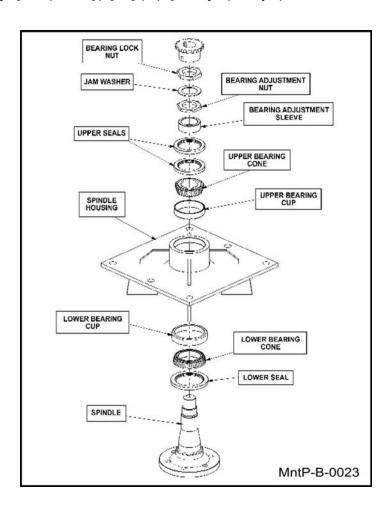
ÂWARNING ÁŒÁ; \^••ÁT WÙVÁà^Á•^å ÁQ ÁQ ÁQ • ŒḍÁà^æðā, *Á&`]•ÉÀà^æðā, *Á&[}^•ÉÀæ; åÁ•^æ•ÈÖUÁÞUVÁ •^Áæ
@æ﴿ { ^¦Áq Ág•œḍÁæ&^•ÉÀà^æðā, *•ÉÁ; lÁ·^æ•ÈÁ'@Á;æċ•Á; Áæ••^{ à |^Á;æêÁà^Áàæ;æ* æ*^åÈÁ

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

Ó^Áiˇ¦^Áq[Á¸^ædÁr^^Á¸¦[ơ^&cqa]¸Áæ)¸åÁq;ơ@¦Á¸¦[ơ^&cqaç^Árˇˇa]{^}ơÁæ•Á¸^^å^åŸ@}¸Á¸[¦\ā¸*Áq]ā¸å|^Áæ••^{à|^È

THE SPINDLE ASSEMBLY

 \dot{U}^{Λ} Ás@ Ásaæt læ (Ás $^{\Pi}$ [Á[lÁss $^{\Lambda}$] cãa8æsa[} Áj Á] āj å $^{\Lambda}$ A æto ÉÁ @ $^{\Lambda}$ A $^{\Lambda}$ lç38āj * È

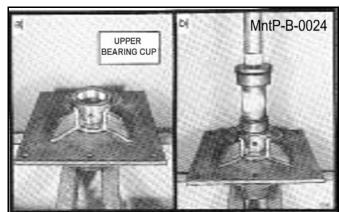


Ùæà^¦

Tænāje^}æ)&^ÁÛ^&cnāj}ÁiËGÎ

SPINDLE BEARING INSTALLATION

- FÈ Ú¦^••Áˇ]]^¦Áà^æḍā,*Á&ˇ]Áạ ([Ác@Á•]ā,å|^ @^*•ā,*Á
- QÈ V";}Án@Án]ājå|^Á@;*•āj*Ájç^;ÁnanjåÁj;\^••Áāj c@Á[, ^;Ánà^ædāj*Ás;]È
- HÈ Ú|æ\$^Á@Á[^¦Áà^æā]*Á&[}^Á\$JÁ@Áà^æā]*
 &`]ÈÁÞ^¢AĴÎ^••Ás @Á•^æÆ]¢ÁœÆ.]ājå|^
 @`•ā]*ÈW@ÁB}^!ÁBJÁ[Á-ÅœÆ.^æÁ]°•AæÁ
 ÖUYÞEÆ[æåªÆ@Áa^æā]*ÊA[Á`à|ææ)Ææ
 •^æp^åÆ]•åä^Ác@Á@`*ē]*È
- IÈ Q•cæl/允@ Á] ā å|^Á\$ 允@ Á@ ˇ•ā * 莊\$\$ā @↑ Áæd c@ Á^} åÁ[-★@^Á•] ā å|^Á、ã@ææÁ[~ cÁ-æ&^å @æt { ^!Ád Ár^æcÁc@ Á•] ā å|^Áæt æā]•cÁc@ à^ætā] * Á\$} }^!Áææ\$∧È



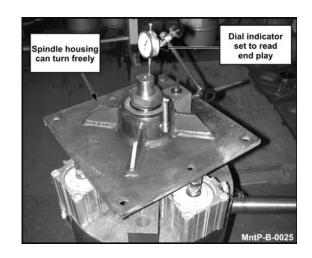
- ÍÈ V°;}Ác@^Án]ājå|^ÁQpˇ•āj*Án;c^;ÁÇ]Án;[•ānāj}DÁnn;åÁa]lÁ;āno@Áv āt^¦ÁÙ]ājå|^ÁЎà¦a8æn;óÁQjædóA}ˇ{à^¦ €ÎII€€€€DÄn;Ác@^Án;jÁn®^Án;jAn@^Án;j^Áng®^Án;j^Áng®Án;j È
- ÎÈ Ùˇ]][¦ơÁc@Áa[ơ[{Áṭ-Áa@Áa]ā¸å|^Áæ)åÁ¸¦^••Ác@Á`]]^¦Áa^æá¸ā*Á&[}^Áæ)åÁa^æá¸ā*Áæå¸ŏ•ơ(^}ơÁ•|^^ç^ [}qíÁc@Áa]ā¸å|^É

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

- ΪÈ Ú¦^••Ác@Ác, [Á]]^¦Ár^æ;Ág q Ác@Ár] āj å|^Áq0, ˙•āj * ÈÁ√@Ág} }^¦Ájāj Á;Ác@Ár^æ;Á(ˇ•σÁs^ÁNÚÉÉæç æ Á¦[{ c@Ás^æ;ā, * ÊA;[Æγ&8••Á; à læ8æ) σÁsæ) Æ•8æ} ^Ě
- ÌÈ Q,• caqlÁc@ Áà ^ ætā! * Áæåbǐ q ^} cÁ\ ` óÁQc@ Á} ` óDÁ• [Ác@ | ^ Áēr ÁF ÉFÐ +Á&| ^ ætæ) & ^ Áà^ c ^^} Ác@ Á; ` óÁæ) å Ác@ | ^^ ç^ ÉQ caqlÁc@ Ásœ; Á; æ• @ | ÉD | aæðā; * Ác@ Ásæà Áş q Ác@ Á; ^ Ë æ ÉQ caqlÁc@ Ás^æā; * Á[&\} ` cÁç@ Á, ` cDÁæ) å @æ) å Ácā @c^} Áæë æā; óÁæq Á; æ• @ | Áæj å Áæåbǐ q ^} cÁ; ° cÁ; ` cÁZD/^ Ác@ Á[|| [] ā; * Ár^ &cā[} Á; | Ás^æā] * Áæåbǐ q ^} cĒD/ ^ Ác@ Á[|| [] ā; * Ár^ &cā[} Á; | Ás^æā] * Áæåbǐ q ^^ cĒD/ ^ Ác@ Á[|| [] ā; * Ár^ &cā[} Á; | Ás^æā] * Áæåbǐ q ^^ } cĒD/ ^ Ác@ Á[|| [] ā; * Ár &cā[} Á; | Ás ^æd] * Áæåbǐ q ^^ } cĒD/ ^ Å; * CĒD/ ^ Ác@ Á[|| [] ā; * Ár &cā[} Á; | Ás ^æd] * Áræåbǐ q ^^ } cĒD/ ^ Å; * CĒ

SPINDLE BEARING ADJUSTMENT

- FÈ Ô|æ{] Á c@ Á à[c[{ Á ^} å Á [-Ás@ Á] ā å |^ • ^& ' |^ | Áā ÁsaÁ; ã ^ Á• [Ác@ Á•] ā å |^ Á@ * • ā * c' |} • Á!^^| È
- CÈ Ú[•ãtā] ÁæÁ(æ*) ^ cæÁàæ• ^ ÁåãæþÁð, åãææ[¦Á[}
 c@ Á[* œ';Áåãæ; ^ œ';Á[* -Á@ Á*] ð, å[^ Á@ * ð; * È
 Š[8ææ*Á@ Á*) åÁ[* -Áœ ÁåãæþÁð, åãææ[;Áæ*æð]• c
 c@ Á|ææÁ) å Á[* -Áœ Á*] ð, å|^ Á* @ææÆV @ Áåãæþ
 ð, åãææ[;Á; ¸ð]Á } [¸ Á; ^æ* ; |^ Áæ& & ; |ææ*|^
 à åãææ[;Á; ¸ð]Á } [¸ Á; ^æ* ; |^ Áæ& & ; |ææ*|^
 à *æð ð; *Á} åð; |æÉ
- HÈ Vã @ ^ } Ác@ Áà^ædā * Áædō (^ } cÁ *) cā |
 c@ | ^ Áã ÁEEFGÁ ā & @ ([ç ^ { ^ } cÁ *) @ } Ác@ |
] ā a | ^ Á@ * ā * Áā Á, | ā * å Á] ; æd á Áæç æ Á | [{
 c@ Áşã ^ Áæç E



- ÍÈ CE¢ ká@Á[&\Á; óÁn Ácã @^}^åÊó@ k^Á; *•óÁn ÁÉE€FÁn &@Át ÁÉE€HÁn, &@Át Ák^Á; |æÂ, @}Ájã @|^Á; k^ã; Aí] [}Ás@Á]ājå|^Á@;*•āj*ÉÅ

QÁc@Ár}åÁj|æÁārÁrUVÁ&[;¦^&dÉAj[[•^}Ac@Áj[&\Áj`óÁæ)åÁč¦}Ác@Áæåbŏ•q'^}óÁj`óÁæ•Á^`čã^åÁæ)åÁ\^ÉEãt@r}Ác@ [[&\}`dÉÄÜ^]^æcÁā•oÁjædóÁj-Árd°]ÁÍÈÁ

Ùæà^¦ Tæājc^}æ)&^ÂÛ^&aa[}ÁnÉGÏ

Boom Cylinder Removal and Replacement Instructions

- FÈ Ô|^æ|Ás@Ásd^æ|Á,~Ásd|Á,^\•[}}^|Ás^-{\^Á[, ^\;ā,*Ás@Ás[[{Á;[, ^\;Á@æåÈ
- Q![{ Ác@ Ád;æ&q; lÁr^æxÁ;ãc@Á;[`!Ár^æxÁà^|cÁæ;c'}^åÁæd;[`}åÁ;[`ÉÄ[; ^!Ác@ Áa;[[{ Áq; [, ^!Á@ æåÁq;Ác@ * '|[`}åÄÖ¢c'}åÁs@ Áa;[[{ Áq;Ás@ Á`;c@•cA^æ&@Áæ);åÁq; ^!Ás@ Á;[, ^!Á@æåÁdæd¼;}Ás@ Á*;[`}åÄÖUÁ>UVæcc'{] cÁq;Á^] æ&^Ás@ Á&;[àjå^!•Á;ãc@ÁœÆå;[{ Áş;Ás@ Áæã^àAá;!Ádæ)•][!cÁq;[•ãtāq}È
- HÈ Ù@ơÁ, --Ár@Ádæ&q ¦ÊA\}*æ*^Ár@Á,æk\ā,*Áa¦æk^ÊA,|æ&^Ár@Ádæ&q ¦Ádæ)•{ã••ā[}Á6,Ár@Á,æk\Á,[•ãaā[}Êbæ)å ¦^{[ç^Ár@Á^^Ás^4['^Ásã{[`}cā]*È
- IÈ OE[[Ás@Án^•c^{Ás[Ás[[As[[As[[{Ác^{]}}]^{ac'}]^{ac'}]^{As[As[[çā]*Áse]^A@å|æ'|æ&As[{][}^}o•
- ÍÈ Y^æhÁnæ^c^Án|æ••^•Ána)åÁna[]^}^dænà|^Án|[ç^•Á,@^}Á,[¦\ā,*Á,ãn@Á@妿ĕ|a&A@(•^•Ána)åÁnana]*•È
- ÎÈ Ü^|^æ•^Áæ|Á[āÁ] |^••` |^Á+[{Áœ Á@ å|æĕ|æ&Á&ã&° ãÁà Á(æ) *æ|^Á+d[\ā,*Á^æ&@Áçæ;c^Á+^&æ]}Á; ãœÁœ dæ&[|Á^}*ā,^Á; ~À[~ÈÁ\kāā^Áœ Á;æ) *æ|Á;ç^||ãã^Á*}&æā]}ÁāÁœ Á*) *æ&æ Á** }āæÁæ Á** }åæÁæ Á** }åæÁæ Á** }åæÁæ Á** }åæÁæ Á** }åæÁæ Á** }忯æ; À** |° &dã&Á;æ;c^||@ å|æ |æ&Á;æ;c^E
- ÏÈ Woqāā^Áa,|[8\•ÊÁase&\Árcæ)å•Ár;|ÁseÁ*ãaæà,|^Árç^!Á@ æå,Á@ āro Ár[Ár*]][¦ο Ás@ Á, ^āt@Ár, Ás@ Áa[[{Ár^&oqā}}Áæ)å |^{[ç^Aj,|^••*|^Ár;|{Ás@ Ásc°|ā}å^!Ár[*}cā,*Ájā,•È
- JÈ Ô^|ājå^¦Áæ••^{à|ā^•Áæ}åÁ@`æç^Áæ)åÁ&æ)Åæ|Á¸@}Áx@`Ájāj•Áæ4^Á^{[ç^åĚÁÛ*]][¦óÁx@`Á@妿ĕ|æ&k&;|ājå^¦ _ ãx@ÁæÁ* ãææà|^Á@!ã•óÁ;!Áææ&\È
- FEÈ Ù|[,|^Á|[[•^} Ác@ Á@ 妿ĕ | 38A64[}}^&cā]} Á[Ác@ Ásc | ā, å^!ÈÓæb^~`||^Á}•&l^, ÁQ•^Áācā;*Áæ) å Áæd|[, Áæ)^
 |^{ æaj ā;*Á;!^••`|^Á[Áa]^^åÁ;~ÈÚse extreme careÈÚ ā/Á; `• ơà;^Ás[[|Êæ); å Ác@ Ác &@ 38ãæ) Á Q° | å Ácæ); å
 | Ás@ Á ãa^Áf Á;!^ç^} ơÁc][•`!^Áf Áæ) ^Á@ 妿ĕ | 38Áf ājÈÁJF; æð•Ás[}•`|oÁc@ ÁT æc ! ãædþÚæ^c ÁÖæææÂÚ@^oÁæ); å
 | ^æÁæ) ^Á/``ā^åÁp^!•[}æÞÁ;[c'&cã;^Ár``ā]{ ^} dÈOE&ææ&@Áæ) Á; æ Ás^Á/``ā^åÁf Ár ææi; Áæ) ^Á]ā|PÁ
- FFÈ Ôæ] Áà[co½h) å• Á; -Áxo? Áãcā] * Á; ãxo½h * ãææà| Á ã ^å Á; ^ææ|Á&æð]• È
- FŒ Ü^{ [ç^Ác@Á&î | ā å^¦Áj ā •Ár cædcīð *Á ãc@Ác@ÁÜUÖÁY} åÁ&î | ā å^¦Áj ā ÈÁT æà^Á*¦^Ác@Á&î | ā å^¦Áī []^¦|^
 •`]][¦ơ å Đếæ) åÁ'^{ [ç^Ác@Áàæ•^ÁY} åÁ&î | ā å^¦Áj ā ÈÁV@Á&î | ā å^¦Á(æ Áà^Á@æçîÊÃ`•^Á];|]^¦Ájæāj *

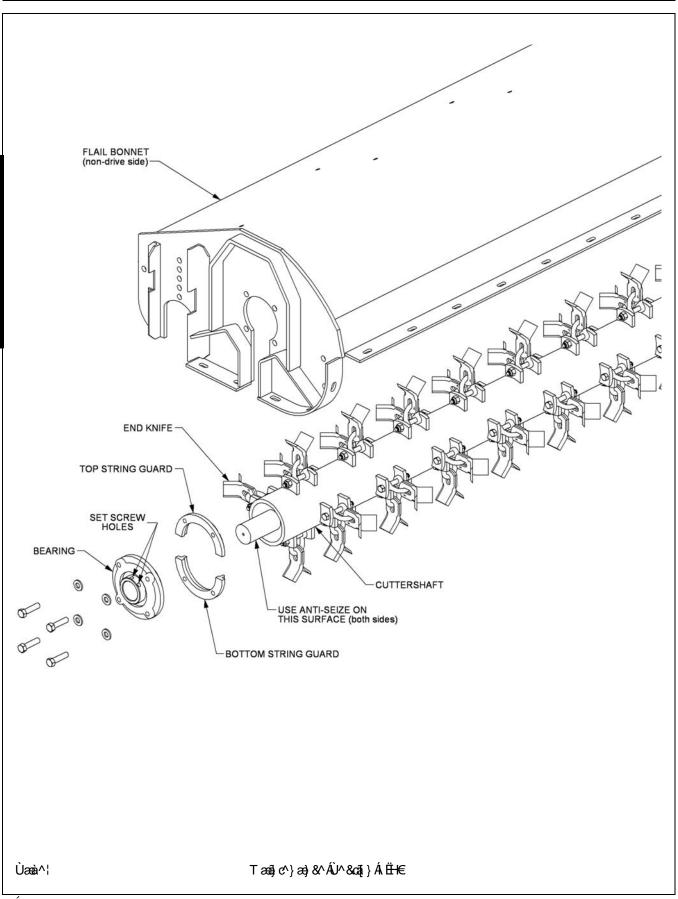
 ơ &@ ã ~^•Át ÁãoÁæ) åÁœ) å | Ác@ÁS | ā å^¦ÈÁCAÁy ^^å^åÊੱY ^Óæ••ã cæ) &^Á;[{ Áæ}[c@¦Áj^!•[}Át Áræ^|îÁãc
 c@Ásî | ā å^¦Á;[{ Ác@Á; ææ@j^È
- FHÈ T ^ æ• $^{^{+}}$ | ^ Ác@ Áåã cæ) & ^ Áà^ c¸ ^^} Ác@ Á& |⏠å^| Á¸ ÁQ | ^• Áæ) å Ár¢¢^} å Ác@ Á¸ ^¸ Á& |⏠å^| Ác@ Á&[|| ^ &ó4^} * c@] | $^{+}$ [⏠½ Áææ¢ {] c⏠* Áæ) Á§• cæ| ææã} } È
- FIÈ Q•cæ|Ás@·Á,^¸Á&î|ā,å^i,ÁB,Á,|æ&^Áæ),åÁB,•cæ|Áa[c@Ásî|ā,å^i,Á,ā,•Áæ),åÁ^cæā,ā,*Á@æå,æ^È
- FÍÈ Ü^{ [ç^Ás@ Á; ^œ4Ásæ]•Ésæ] åÁ^Ë;]•œ4|Ás@ Á@ 妿 |æ3Á@ •^•È
- FÎ È Ô@&\Ác@Á@ålæĕ|æ&Á¦^•^¦ç[ālÁ[-Ác@Áà[[{Á{[,^¦Áq[Á^}•`¦^Ác@¦^ÁæÁ*~æ&a*}cÁ[āpěAq]||[,Ás@ {æ}`æ&c`|^•Á^&[{{^}åææā}}•Á[¦Á,¦[]^¦Á,āpác]^Áæ}åÁāpc\jā*Ác^&@;ã`^•Áæ}åÁ^``ā^{^}œ^A[ÅæååÁ;ā q[Ás@Á^•c^{È
- FÏÈ $\hat{O}|^{A}$ \hat{A} \hat{A}
- FìÈ Ô[}• `|œ⁄s@ÁU]^¦æe[¦@ÁTæ)`æþÁ;¦Á§•d`&aã}}Á§Á^*æbåÁ;Áœ@Á;¦[]^¦Áí]^¦ææã;*Á;|[&^å`¦^È
- OEÈ Ø[{ Ás@ Áslæ&d; | Án^ææÉ¸ão@Ás@ Án^ææÁs^|cÁæe c^}^åÉÁ¸]^|ææ^Ás@ Ás[[{ Ás[} d[|•Át; Áˇ||^Án¢c^}åÁse}åÁn^dæ&c c@ Án^_ Ás[]ā ån\Án^cn\æÁsā_n•Át; Ánˇ|*^Áse}^Áslæð]^åÁæðáÁ;[{ Ás@ Án^•c^{ È
- GOÈ W][}Á&[{]|^aqī}Á[-Ás@ Á'^~ ã^åÁ'^]æā•ÉÁ'^č;}ÁqīÁÙơ^]ÁÀÁFÎÁqīÁ'^&@&\Ác@Á&^|ã;å^¦Áqī¦[]^¦[]^¦[]^¦æqã}}È

Ùæà^¦

CUTTERSHAFT BEARING REPLACEMENT FOR FLAIL MOWERS

- FÈ Ü^{ [ç^Á\¢ã cã * Á& cc^¦• @ecdÉà^ætã *• Áæ} åÁdã * Á* ætå• È
- CÈ Tæ\^Á`¦^Ás@æÁs@Á\}åÁ\}ãç^•Á\}Á\æ&@Á\}åÁ, Ás@Á&`co^¦•@æóÁæ\^Á\¦â\}c^åÁæ Á @\;}È
- HÈ O[] | ^ Ást) cátē ^ ã ^ Á\} Á&` co^\ + @eeóÁse Á @ _ } Á\} Á\^ ¢oÁ æt ^ È
- IÈ Q• cæ|Á,[} Ëå¦ãç^Á;ãå^Áà^æ;å; *Áå• cÈ
- ÍÈ Q,• cæ|Ác@Át]Á;-Ác@Átdā;*Átˇæ;åÁt}Ác@Á;[}Ëä¦ãç^Á;ãå^Áð;• dĚÁW•^Áš[&cãc^ÉCÏFÁ;¦Árˇˇãçæ‡^}c æ)åÁt;'ˇ^ÁÇIÁÉBÁ;¦Ár€I-dËàÁsÁ[ˇÁ·•^Áæ)Ár¢c^}• ð[}DÈ
- ÎÈ Q cæ|lÁc@ Áà^ædā, * Áæ) å Áq] Árdā, * Á* `ædå Áp } Ác@ Áå¦ãç^Árãå^È
- ĨÈ Ô^} c^¦Áo@Á&ˇcc^¦•@ecÁà^c¸^^}Áo@Ándā;*ÁŤ`ælå•ÈÁÁV•^ÁŠ[&cãc^ËCĴ FÁ;¦ÁYˇˇãçæl^}cÁæ)åÁ[¦˘ˇ^ ÇJÍ-cËàÁ;¦ÁF€I-cËàÁsÁ[ˇÁ•^Áæ)Á∿¢c^}•á[}DÁc@Á[]Ándā;*ÁŤælåÁ;Ác@Ás¦ãç^Áråå^È
- ÌÈ Q,•cæ|lÉX,•^ÁŠ[&cão^ÉCÏFÁ;¦Án``ãp;æp^}dÉsep}åÁq[¦`^^ÁÇDÍ-cËàÁ;¦ÁF€I-cËàÁsÁA[`Á`•^Áæp}Án¢ơ^}•ã[}D c@Ás[cd[{Ándā]*Án`æsåÁ;}Ás[có@Ásão^•È
- JÈ Tæ\^Án`¦^Án@ Á&` co^¦• @eeóÁn Á&^} c^¦^å ĒÁNJ}Án@ Á,[} Ëā¦āç^Ánān^ĒÁnā @o^} Á;}^Á,^óÁ^oÁn &¦^¸Án Án@ Án^ædā,*Á;} q c@ Á&` co^¦• @eeÈ
- FFÈ Ü^] | @&\Ác@Á\^oÁ\&¦^, ÁB, Ác@Á\^æda} * ÉX ^ ÁŠ[&cæ\ÉCÏ FÁ; ¦Á\``ãçæ\^} dÉæ) å Ácð @\} Á; } q Ác@Á\` co\¦• @eec c@[`* @Ác@Á\^, ÁQ |^E
- FŒ Ü^{ [ç^Áç@ Á;c@ ¦Á•^cÁ•&!^, Áæ) åÁ!^]^æcÁc@ Áå¦ā|jā,*Á]¦[&^å`¦^ÁÇĴc^]ÁF€DĒÁÚ^]|æ&^Ás@ Á·^cÁ•&!^, Áæ• •cæc^åÆjÁĴc^]ÁFÈ
- FHÈ Ü^]^æxÁc^]•ÁJÁc@[**@ÁFGÁ;}Ác@Ás¦ãç^Á;ãå^È
- FIÈ Õ¦^æ•^Áa[c@Áa^ædā]*•Á;;[]^;|^È

See illustration on next page

 \dot{U} \dot{Z} 

DAILY MAINTENANCE SCHEDULE

V@Á{||[¸ā,*Á•^¦çã&^•Á•@;`|åÁà^Á]^¦-{¦{^åÁåæaā;^Á;¦Á^ç^¦^ÁÌÁ@;`¦•Á[-Á•^¦çã&^ÊÁ-{||[¸ā,*Ác@^Áå^œaā/å { aaā, c^} aa) &^Áaj, • d`&aā[} • Áaj, Áa@^Ái]^ | aae[| q•Ái, aa) čaaļÈ Ú {] Á\$¦ãç^• @edxÍQÁ^ ` ã^åÁ¸ãc@Á\$¦ãç^Á; @ed&Z{ `] |^¦Á\$@ &\Á;¦Á\$} åÁ;|æêÁæ} åÁ; à¦ã&æe^ÁææÁ^¦\•È Ô|aa}\•@eeóÁæåaa}c^\kÁQÁ^``ā]]^åÁ, ão@Á`àà^\Á*![{ { ^o Á&@ &\ Á\$[}å ãã]}ÊÁ\^]|æ&^ÁãÁ; ã•ā,*Á[; åæ{æ*^åÈ Úão [cÁ [ã o kÁQ k) & cÁ ¦^æ ^ Á } cã/ãoÁst] ^ æ • ÁsecÁ } å • È P^妿ĕ |æðÁ-ðārā *• hÁÔ@ &\ Á; ¦Á|^æ\•Á ãr@Á æ}^¦Ái ¦Á&æ\$åài æ¢åÈÄVð @^} Á-ðārā *•Ái ¦Á!^] |æ&^Á@ •^• ã[{^åãææ^|^È S}āç^•KáQ•]^&oÁ;¦Á;ã•ā;*Á;¦Ásæ;æ;*Aå}ãç^•Êás@æ;*^ÁQ;}^ÁQ;|^ÁS;{]|^cÁ;^•Dáse;Á;^^å^å; S}ã^ÁÓ[|@ÁÇÙŒÓÒÜÁFËHD+DÁÔ@&\EQ;;``^ÁqÁŒ€€ÁæĚĄàÈ Ó[| o Kásã \ Ð] ð å | ÁÇÙ C Ó Ö Ü ÁHD +Á;ÁG HD KÔ @ & E; | ` ` ^ Á; ÁH FÁ È À È Ó^|@ KÁÔ@ &\ Đđ @^} Đ^] |æ&^Áà^|@ Áæ Á,^^å^åÈ Tænāj√læq(^Bòà^&\kÁN},|^••Ájc@\;ãr^Án]^&ããð\åÁ^q(¦``^Án[|o•Ánæ&&[låāj*Áq[Á[|``^Án]^&ãã&ænāj}•ÁnjÁn@ã •^&caãi}È P^妿ĕ|æðÁjŸæðÁj^ç^|kÁQ5ååÊÁsÁj^Ÿãj^åÊÁj^¦ÁjŸæðÁj^&[{ { ^}åææãj}}•È Ü^æáÁlæádÁáláō^ÉÁa^æád;*Álæd;*Áæd;*^Áæd;åÁr@ææÁslĭ]|^!•káÕ¦^æ•^Áæ•Ád;•dĭ&c°åÁd;Ác@Áá^œæán^åÁ(æád;c°}æd;c°}æd; •^&ca[}È Ô co^|• @eeoÁsa) åÁ; || ` } åÁ| || ^ | kkÔ | ^ æ ^ Áse Áj • d ` &c^åÁj Ás@ Áš^cæij ^ åÁ; æij c^} æ) &^Á ^ &cij } È Ù^|ça&^Á,^|-||{ ^å/ás^K´´´´´´ÁÖaæ^K´´´´Ð´´´Ð´´´ÁP[`| T^e^{K''''' $T \approx \hat{a} \cdot c^{2} \approx 8^{2} \cdot A \hat{U}^{2} \cdot 8c\hat{a}$

Ùæà^\ Tæā; e^\æ} &^ÁÛ^⁡ }ÁiËF

	MAINTENANCE			
Ùæà^¦ Í 4236''Cnco q''I tqwr''Kpe(Tænig e^}æ) &^Aû/^&enig }ÁniËHG			
1 7230 CILO GI IGWI POC	·O			

JD* %(\$!) \$M#F G569F'6CCA	
	PARTS
	SECTION
	OLOTION
Parts Section 5-1	

D5FHG'CF89F=B; '; I =89

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:

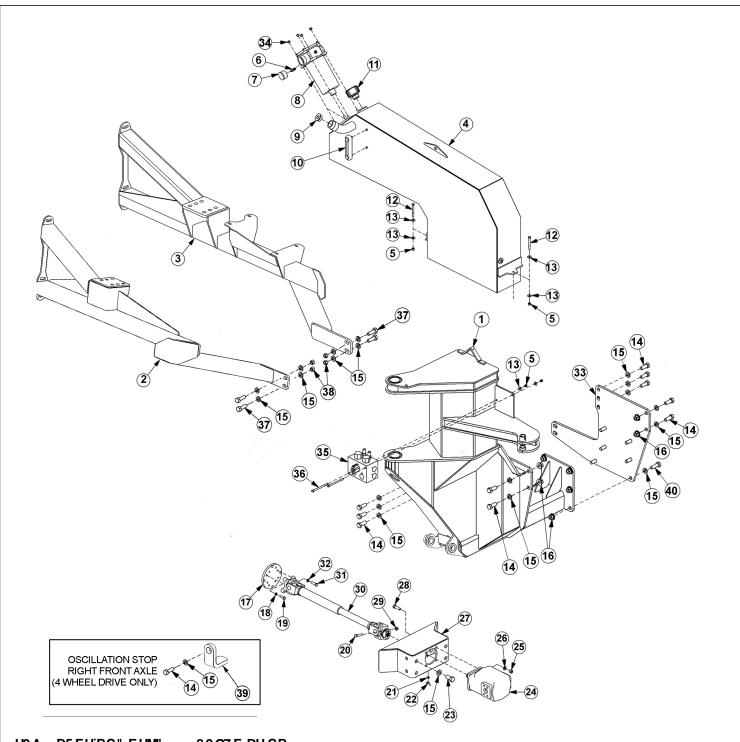
Tiger Corporation 3301 N. Louise Ave. Sioux Falls, SD 57107 1-800-843-6849 1-605-336-7900

RÖÎ FI €T ÂÛŒÓÒÜ

PART NAME INDEX

VTCEVQT'O QWP V'MX/000000000000000000000000000000000000
VTCEVQT'O QWP V'MKV."J[FTCWNEU000000000000000000000000000000000000
GNGEVTQPIE "RTQRQTVIQPCN"NKHV"XCNXG00000000000000000000000000000000000
LQ[UVKEM'CPF'UY KVEJ DQZ'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
$DQQO"OQWPV"MK \\ A a a a a a a a a a a a a a a a a a a$
CZNG'DTCEGU'CPF'DQQOTGUV@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
CZNG'UVCDKNK GT(000000000000000000000000000000000000
$RQN[\ ECTDQPCVG"UCHGV[\ "Y\ IPPQY(00000000000000000000000000000000000$
RQN[ECTDQPCVG"UCHGV["Y IPFQY "HQT"T"UGT KGUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
RWO R'F TIXGUJ CHV000000000000000000000000000000000000
Y J GGN"Y GK J V"UCDGT""""(000000000000000000000000000000000
Y J GGN"Y GK J V"UCDGT"ZD""""(00000000000000000000000000000000
JD6140M SABER

HF57HCF'ACI BH'?∔H



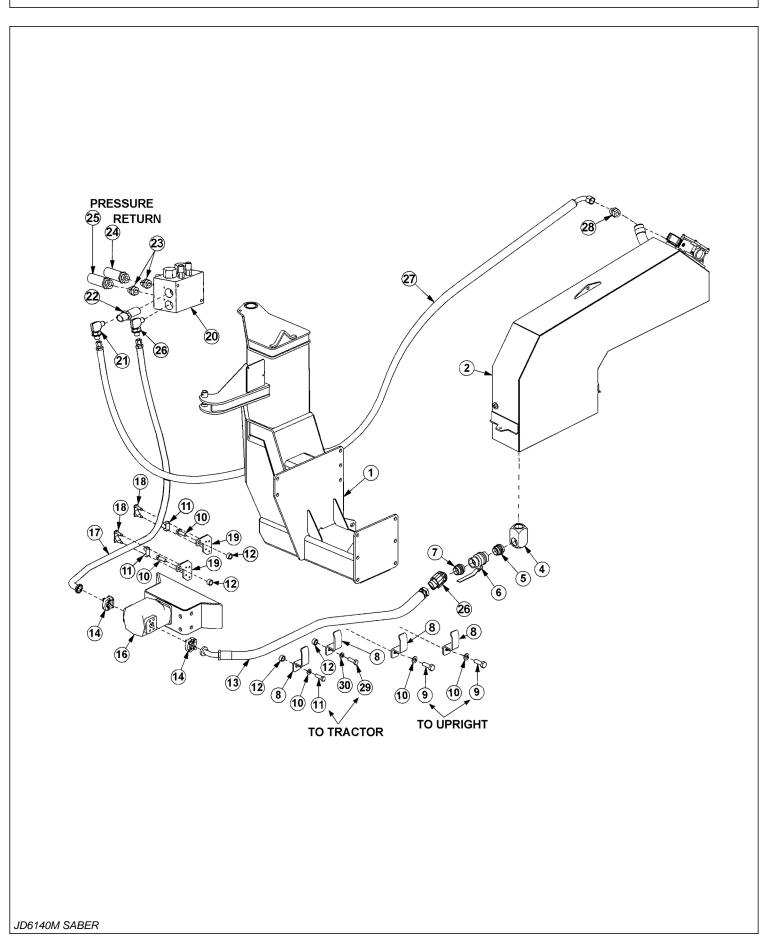
- H9 A	D5 FH BC"		89G7F±DH±CB
_			
3	2852246;	3	ОС К Р "НГСО G.""LF '8362 18372Т
4	28522475	3	CZNG'DTCEG.'NJ
5	28522474	3	CZNG'DTCEG.'TJ
6	289222; 3	3	VCPM'TGU.'Y J GGN'Y GNN.'CUU
7	43849	6	P[NQEMPWV.'51: \$."PE

HF57HCF ACI BH ? +H

7 cbh]bi YX'''''

	- H9 A	D5 FH'BC"	EHM"	89G7F=DH=CB
	8	VH6:::	3	UVTGGV'GNDQY ."31: \$"Z "; 2F GI
	9	8V286;	3	HKNVGT'I CWI G
	:	28727266	3	HNVT'CUU .'KP/VCP M'ERNV.'UCG'320 R
	;	28727349	3	RNW .'UCG.'%42
	32	28727289	3	UNIJ V'I CWIG
	33	28727299	3	ECR.'RTGUUWTG.'502RUC
	34	4385;	6	ECRUETGY ."51: \$"Z "5/316\$."PE
	35	44238	34	HNCVY CUJ GT.'51: \$
	36	53953	38	ECRUETGY .''42O O 'Z '72O O .''407''RKVEJ
	37	55::2	54	HNCVY CUJ GT.'516\$."I T": ."UCG
	38	53944	34	J GZ 'P WV. "420 O . "407 'RKVEJ
	39	56;;:	3	URCEGT.'FTKXGUI CHV.'IF94/9732142
	3:	548; 3	6	NQEMY CUI GT."320 O
	3;	45335	6	ECRUETGY .''32O O 'Z '52O O .''307''RKVEJ
	42	4387:	3	ECRUETGY .'9088\$'Z'4\$.'PH'IT:
	43	44236	3	HNCVY CUI GT"316\$
	44	5473;	3	Y IPI 'PWV.'316\$.'PE
	45	46: 82	6	ECRUETGY .'42O O 'Z '62O O .'407'RWEJ
	46	45374	3	RWO R. 'R572''/ ''3/516\$"I GCT
	47	43949	6	P[NQEMPWV."314\$."PE
	48	28755226	6	HNCVY CUI GT."314\$."UCG."I T:
	49	56; ; 5	3	RWO R'O P V.'I.F.'WFTK\G
	4:	43955	6	ECRUETGY ."314\$"Z "4\$"P E
	4;	56: 6:	3	J GZ 'P WV.'9 B8\$"P H 'I T: '*UVQXGT+
	52	56;;;	3	FTKXGUI CHV.'WIQKPV
	53	438: 2	6	ECRUETGY .'9138\$'Z'3/316\$.'PE.'I T7
	54	43;:;	6	NQEMY CUI GT.'9B8\$
	55	28624462	3	WRTH J V."NJ ."IF8372T
	56	43849	:	P[NQEMPWV.'51: \$.'PE
	57	287322: 6	3	DTCMG"XCNXG."UQN."5722RUK"O GVTK
	58	43866	4	ECRUETGY '51: 'Z'7\$.'PE
	59	43: 55	6	ECRUETGY '5 16\$'Z '4/3 16\$."PE
	5:	43: 76	6	J GZ 'P WV'5 16\$."P E
	5;	28633878	3	UVQR.'QUU.'IF 8362/72O IT' 14 6/Y J N'F T''QP N[-
	62	494: 3	9	ECRUETGY .''42O O ''Z ''82O O ''407R
1				

HF57HCF'ACIBH'?+Hz"<M8F5I@FG

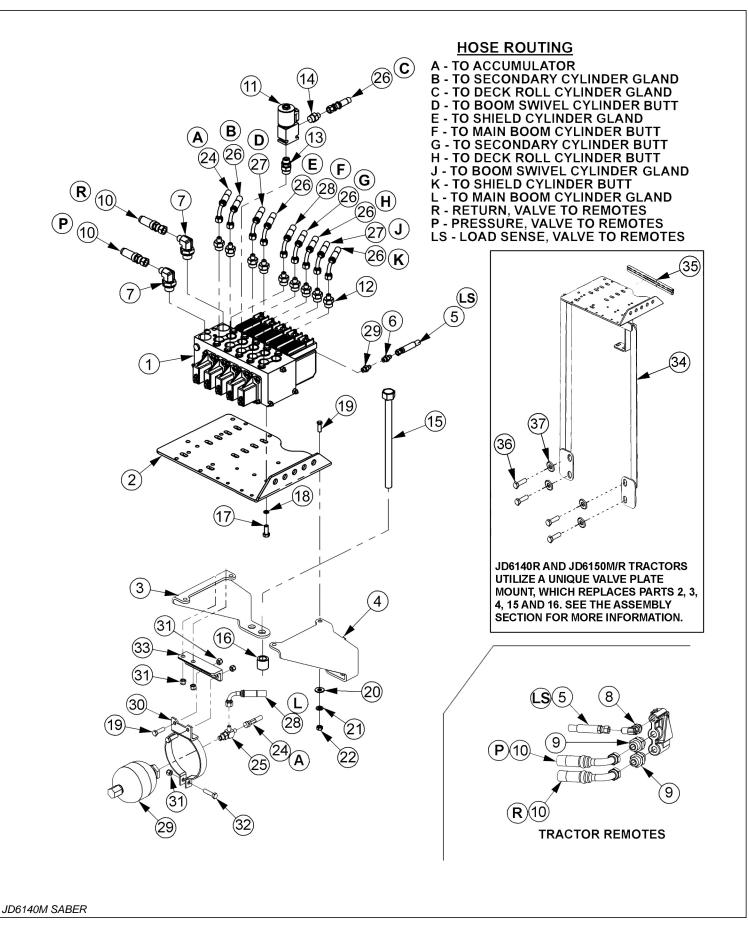


HF57HCF ACIBH ?+Hz < M8F5I@FG

7 cbh]bi YX'''''

ı				
	- H9 A	D5 FH'BC"	EHM"	89G7F=DH=CB
	3	/////	/	O CIP 'HTCO G', TGHGT''VQ''VTCEVQT''O QWP V''MIV
	4	/////	/	J [FTCWNKE"VCPM", TGHGT"VQ"VTCEVQT"OQWPV"MKV
	6	287252: 6	3	GNDQY .3/3 14\$HQT'Z'3/3 14\$HQT
	7	287252: 5	3	CF CRVGT.3/314\$O QT 'Z '3/314\$O QT
	8	5652;	3	DCNN'XCNXG.3/314\$HQT
	9	56932	3	CF CRVGT.3/314\$O QT'Z'3/314\$O L
	:	545: 4	6	DTCEMGV.J QUG
	;	494: 3	4	ECRUETGY .420 O 'Z '820 O .407R
	32	55::2	6	HNCVY CUJ GT.516\$.UCG
	33	5292:	5	ECRUETGY .420 O 'Z "; 20 O .407R
	34	46: 6;	6	URCEGT
	35	287228; 4	3	J QUG.3/314\$"Z"348\$
	36	VH6: 74	4	MKV.HNCPI G
	38	45374	3	RWO R
	39	28722925	3	J QUG.3\$'Z': 4\$
	3:	8727239	4	ENCO R'MKV.3\$
	3;	56848	4	DTCEMGV.ENCO R
	42	287322: 6	3	DTCMG'XCNXG
	43	5547;	3	GNDQY .3\$O L'Z '3\$HLZ; 2
	44	54: 8;	3	P KRRNG.NQP I .3\$O QT"Z"3\$O L
	45	55777	4	CF CRVGT.3\$0 QT 'Z "3\$0 L
	46	55768	3	J QUG.3\$'Z'', 6\$"**TGVWTP+
	47	55768	3	J QUG.3\$"Z"; 6\$""*RTGUUWTG+
	48	56339	3	GNDQY .3\$O QT'Z '3\$O L
	49	28722922	3	J QUG.3\$"Z '3: 2\$
	4:	56286	3	CF CRVGT.3/316\$O QT"Z"3\$O L
	4;	2875273;	3	ECRUETGY .'34O O 'Z '92O O
	52	44239	3	HNCVY CUJ GT.'9138\$
I				

ELECTRONIC PROPORTIONAL LIFT VALVE



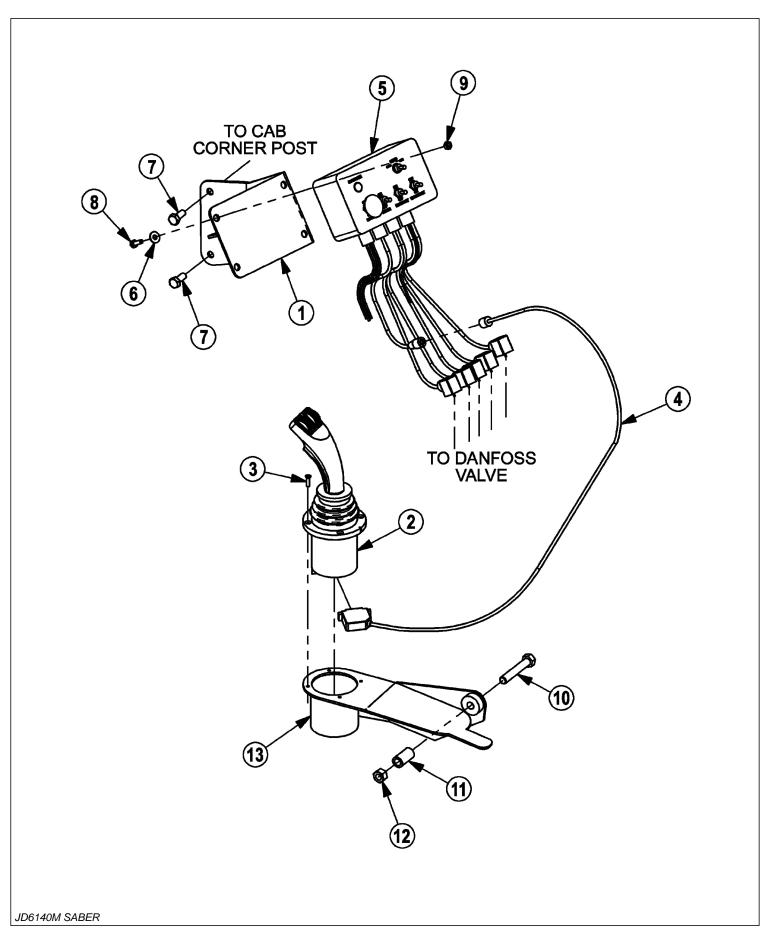
ELECTRONIC PROPORTIONAL LIFT VALVE

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
3	28724368	3	XCNXG.7UR.F HRXGC
4	56844	3	RNCVG.XCNXG.TGCT'O P V
5	28632652	3	O QWP V.XCNXG.NGHV
6	2863264;	3	O QWP V.XCNXG.T M J V
7	28722622	3	J QUG."316\$'Z'56\$
8	555; 4	3	CF CRVGT.7 B8\$0 QT'Z '51: \$0 L
9	554; 6	4	GNDQY .516\$0 QT'Z"314\$0 L"; 2
:	28725235	3	GNDQY .'36O O 'O QT 'Z '7 138\$'O L
;	55685	4	CF CRVGT."440 O 'QTD'Z "3 14\$"O L
32	56834	4	J QUG."314\$"Z"56\$
33	8732272	3	VTX'NEMO GVTIRCEM'EQIN
34	54: 29	;	CF CRVGT.71: \$0 QT'Z'51: \$0 L
35	53833	3	CFCRVGT.71: \$0 QT'Z'34\$CFL'O QT
36	55493	3	CF CRVGT.3 4\$0 QT'Z '51 \$0 L
37	28752736	6	ECRUETGY .3: O O 'Z '4; 2O O .40'R
38	5673;	6	URCEGT.3/3 16\$'Z '35 138\$'Z '3/31: \$
39	4379;	6	ECRUETGY .7138\$'Z '516\$.P E
3:	43;:9	6	NQEMY CUI GT.7138\$
3;	43853	6	ECRUETGY .51: \$'Z'3/316\$.PE
42	44238	6	HNCVY CUJ GT.51: \$
43	43;::	6	NQEMY CUI GT.51: \$
44	43847	6	J GZ 'P WV.51 \$.P E
46	2872292:	3	J QUG.51 \$"Z"56\$
47	2872524;	3	VGG.TWP .314\$O QT 'Z '51: \$O L'Z '51: \$O L
48	28722985	8	J QUG.51 \$"Z"48: \$
49	28722929	4	J QUG.51 \$'Z'434\$
4:	28722986	4	J QUG.51 \$"Z"45: \$
4;	46522	3	CEEWO WNCVQT
52	45: : :	3	DTMV.'CEEWO WNCVQT
53	43849	7	P[NQEMPWV.'51: \$'PE
54	43854	3	ECRUETGY .'51: \$'Z'3/314\$'PE
55	28682294	3	DTMV.'OPV.'CEEWO.'IF8T
56	2856226:	3	XCNXG'O QWP V."*IF 8362/72T"QP N[+
57	4: 275	3	VT160 'NQEM''; 138\$'Z''31: \$'HP '*4F 8362/72T'QP N[$+$
58	46: 82	6	$ECRUETGY . "42OO"Z"62OO"407R. "320" "^{4}IF 8362/72T"QP N [\ + \ + \ + \ + \ + \ + \ + \ + \ + \$
59	55::2	6	HNCVY CUJ GT. "516\$."I T: ."UCG"*IF 8362/72T"QP N[+

JD6140M SABER

>CMGH=7? 5B8 GK =+17 < 6 CL ACI BH



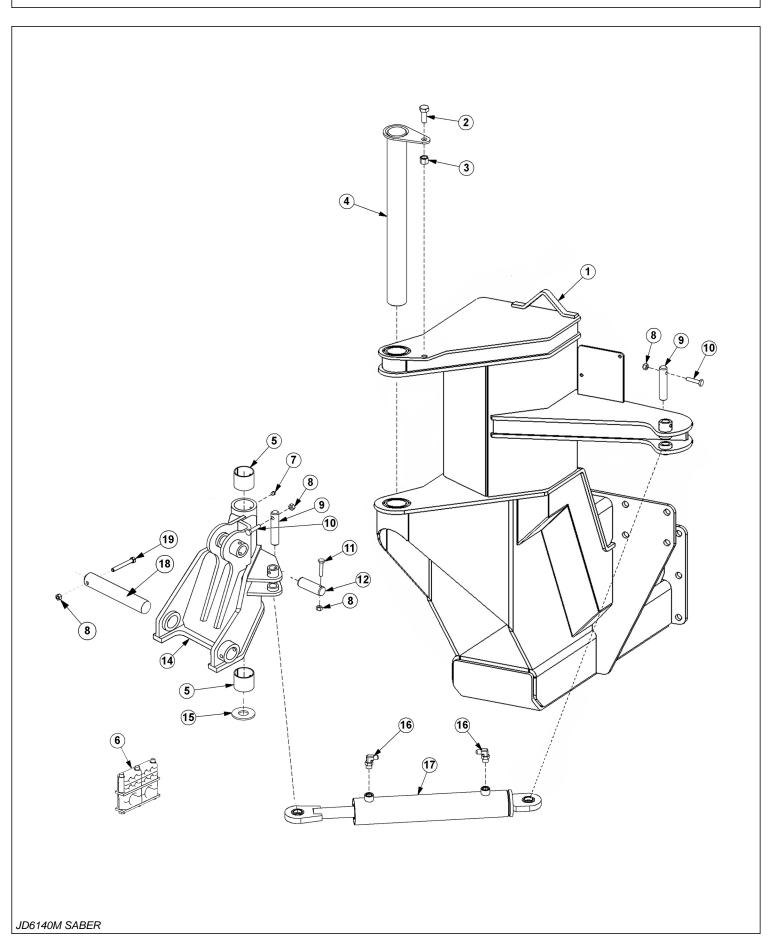
>CMGH=7?'5B8'GK =+17<6CL'ACIBH

7 cbh]bi YX'''''

#19 A	D5 FH'BC"	E HM"	89G7F±DH±CB
3	55577	3	OP V.DTMV.UY KVEJ "DQZ
4	558; 3	3	IQ[UV.6CZKUTJ .FH
5	54: 4;	6	UETGY .O CEJ ${\rm I\!P}$ G.32/54'Z '516\$.HNVJ F
6	558; 5	3	EDN.GZ V.6HV.IQ[UV
7	287323; 8	3	UY KVEJ 'DQZ
8	44236	6	HNCVY CUI GT.316\$
9	49735	4	ECRUETGY .320 O Z470 O *307'RK/EJ +
:	4374;	6	ECRUETGY .316\$'Z'516\$.PE
;	43749	6	P[NQEMPWV.316\$.PE
32	43959	3	ECRUETGY .314\$'Z'5\$.PE
33	5557;	3	VWDG.URCEGT
34	43949	3	P[NQEMPWV.314\$.PE
35	55578	3	CTOTGUV.LQ[UVIEM

JD6140M SABER

6CCA ACI BH? +H

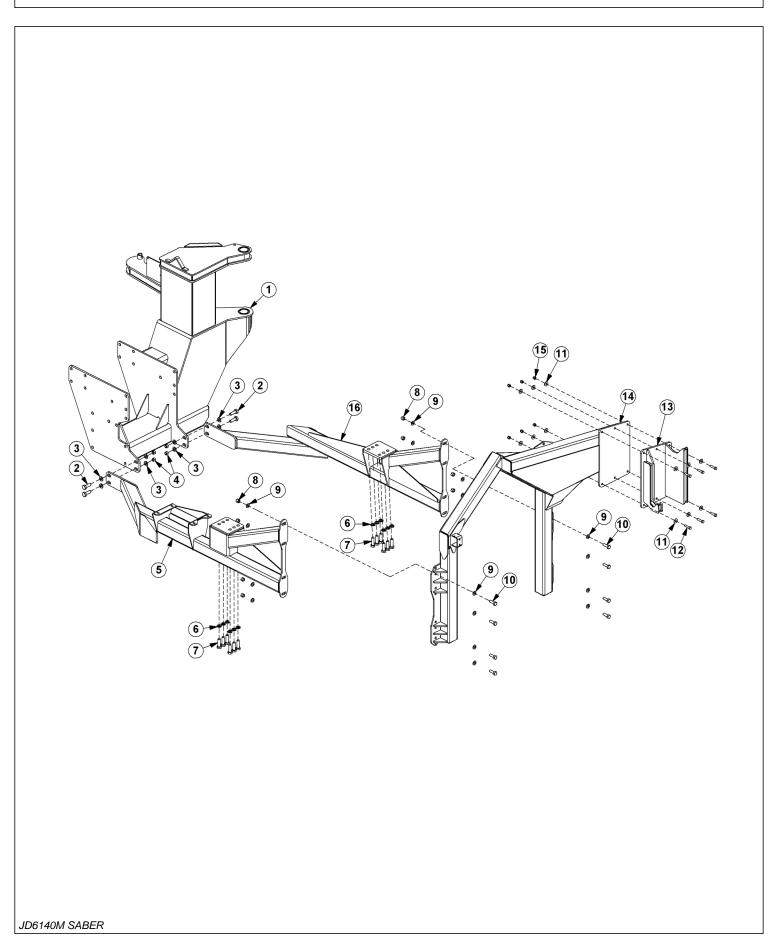


6CCA ACI BH? +H

7 cbh]bi YX'''''

- H9 A	D5 FH'BC"	E HM"	89G7F±DH±CB
3	///	/	O C IP HTCO G", TGHGT "VQ "VTCE VQT "O QWP V"MKV
4	439: 4	3	ECRUETGY .'71: \$'Z'3/516\$.'PE
5	43999	3	P[NQEM'P WV.'71: \$."PE
6	545: 3	3	RIP. "407\$"Z "46097\$. "ECR
7	54544	4	DWJ PI
8	287273: 8	3	ENCO R'MKV
9	8V5433	4	I TGCUG'\ GTM'31 \$'P RV
:	43899	6	P[NQEM'P WV.'9138\$
;	545: 2	4	RIP ."3\$
32	438: 5	4	ECRUETGY .'9138\$"Z "4\$."P E
33	438: 9	3	ECRUETGY .'9138\$"Z '5\$"P E
34	54594	3	RIP
35	///	/	URJ GTHECN'DGCTHPI", PQV'HQT'UCNG
36	289223: 8	3	UY KAGN'CUUGO DN[
///	28532373	3	UY KXGN'Y GNFO GP V
37	28742472	3	DGCTIPI."Y CUJ GT."UY IPI."UDT
38	54: 32	4	CF CRVGT. 'GNDQY
39	2872324;	3	E[NIPFGT.'5\$'Z'350:\$
3:	5459:	3	RKP ."4\$"Z"340,9\$
3;	438::	3	ECRUETGY .'9138\$'Z'5/316\$

5L@9'6F579G'5B8'6CCAF9GH



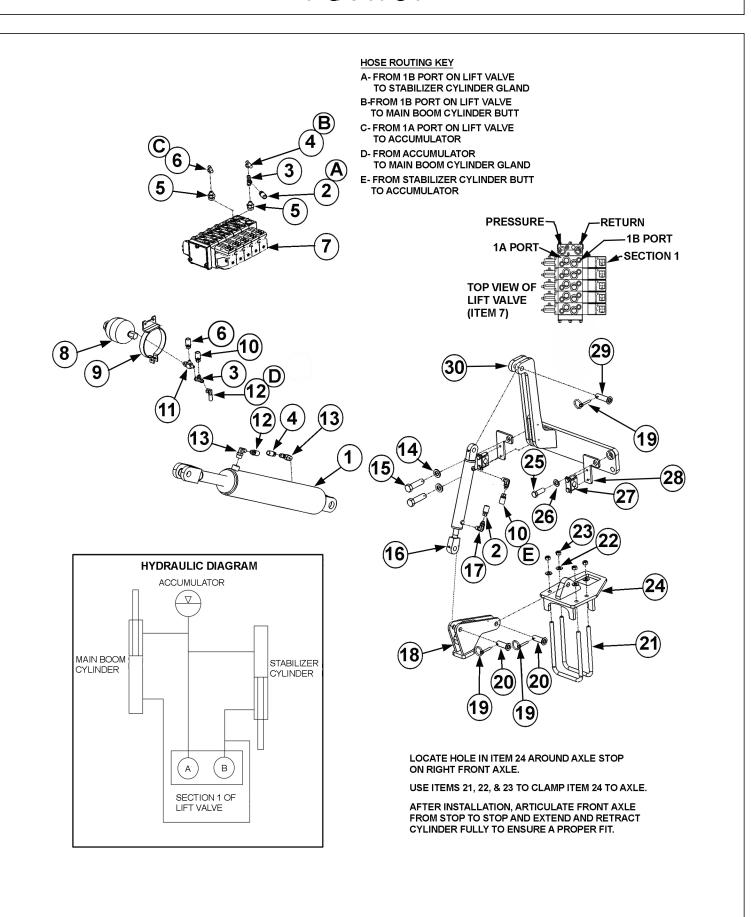
5L@9'6F579G'5B8'6CCAF9GH

7 cbh]bi YX'''''

- H9 A	D5 FH'BC'	'EHM"	89G7F=DH=CB
3	/////	3	O CIP HTCO G", TGHGT"VQ"VTCEVQT'O QWP V"MKV
4	43: 55	6	ECRUETGY .516\$'Z'4/316\$.PE
5	55: : 2	:	HNCVY CUI GT.516\$.UCG
6	43: 47	6	J GZ 'P W.516\$.P E
7	28522475	3	CZNG'DTCEG.NGHV'J CPF
8	46: : 3	34	NQEMY CUI GT.420 O
9	46: 9;	34	ECRUETGY .420 O 'Z '870 O .407R
:	43999	:	P[NQEMPWV.71: \$.PE
;	55986	38	HNCVY CUI GT.71: \$.UCG
32	439: 5	:	ECRUETGY .71: \$'Z'4\$.PE
33	4423:	34	HNCVY CUI GT.314\$.Y KFG
34	43955	8	ECRUETGY .314\$'Z '4\$.PE
35	2853238:	3	CF CRVGT.DQQO TGUV.UCDGT
///	2853238;	/	CF CRVGT. 'DQQO TGUV.'UCDGT'ZD
36	2853237:	3	DQQO TGUV.UCDGT
37	43949	8	P[NQEMPWV.34\$.PE
38	28522474	3	CZNG'DTCEG.TK J V'J CPF

JD6140M SABER

5 L @9 'GH5 6 =@4N9 F



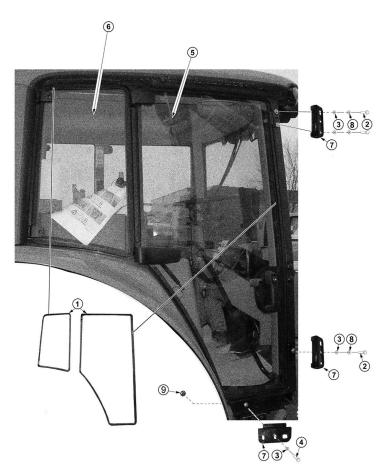
JD6140M SABER

5 L @9 'GH5 6 =@4N9 F

7 cbh]bi YX'''''

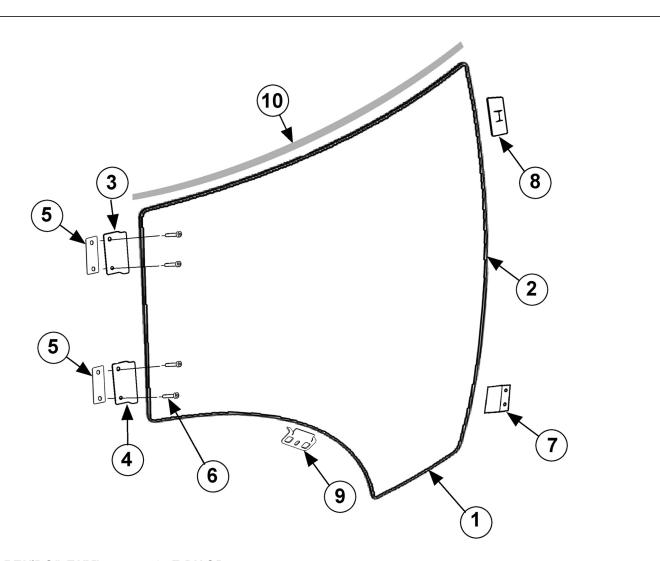
- H9 A	D5 FH'BC"	E HM"	89G7F±DH±CB
3	/////	/	DQQO 'E[NKPFGT", TGHGT"VQ 'EQOOQP 'UGEVKQP
4	28722952	3	J QUG.51: \$'Z'449\$
5	2872526:	4	TWP ''VGG.51: \$0 L'Z '51: \$HIZ 'Z '51: \$0 L
6	/////	/	J QUG", TGHGT"VQ"NKHV"XCNXG"RCI G
7	/////	/	CFCRVGT", TGHGT"VQ"NKHV"XCNXG"RCIG
8	/////	/	J QUG", TGHGT"VQ"NHV"XCNXG"RCI G
9	/////	/	NKHV"XCNXG", TGHGT"VQ"NKHV"XCNXG"RCI G
:	/////	/	CEEWO WNCVQT", TGHGT"VQ"NKHV"XCNXG"RCI G
;	/////	/	CEEWO WNCVQT'DTMV", TGHGT"VQ"NKHV"XCNXG'RCI G
32	28722953	3	J QUG.51: \$'Z'456\$
33	/////	/	TWP "VGG", TGHGT "VQ "NKHV"XCNXG"RCI G
34	/////	/	J QUG", TGHGT"VQ"NKHV"XCNXG"RCI G
35	/////	/	GNDQY", TGHGT"VQ"NKHV"XCNXG"RCIG
36	55::2	4	HNCVY CUI GT.516\$.UCG
37	54925	4	ECRUETGY .420 O 'Z '3220 O .407R
38	559: 7	3	E[NKP F GT.3/3 I4\$"Z": \$
39	28725277	4	GNDQY .316\$0 QT'Z'51: \$0 L
3:	28532354	3	NIP MRKXQV.UVCDKNK, GT
3;	TF 3254	5	N[PEJ"RKP
42	55;:6	4	RIP .516\$"Z "4/9138\$
43	28642386	4	WDQNV
44	28755226	6	HNCVY CUI GT.3 H\$.UCG
45	43922	6	J GZ 'P WV.314\$.WP E
46	28532398	3	O QWP V.CZNG
47	/////	/	ECRUETGY ", TGHGT"VQ"NKHV"XCNXG"RCI G
48	/////	/	HNCVY CUI GT", TGHGT"VQ"NKHV"XCNXG"RCI G
49	/////	/	ENCO R'MKV", TGHGT "VQ "NKHV"XCNXG"RCI G
4:	/////	/	DTCEMGV", TGHGT"VQ"NKHV"XCNXG"RCI G
4;	569;;	3	RIP .5 16\$'Z '4/37 138\$
52	28532399	3	UVCDKNK, GT.CZNG.E[N'OPV
I			

DC @M7 5 F 6 CB5 H9 'G5: 9 HM'K =B8 CK



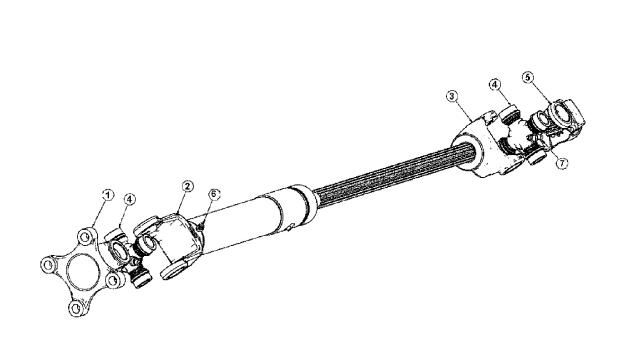
±H9 A	D5 FH'BC"	E HM"	89G7F±DH±CB
3	53; 87	44	VT160 "UGCN.51: \$"ENRR"Z "516\$QF "*HGGV+
4	4972:	5	ECRUETGY .: O O 'Z '42O O .3047R
5	44237	6	HNCVY CUJ GT.7138\$
6	437: 3	3	ECRUETGY .7138\$'Z '3/316\$.PE
7	286; 2227	3	RQN[ECTD.HTO F .F QQT.TJ
8	286; 2249	3	RQN[ECTD.HTO F.TGCT.TJ
9	28742262	5	DTMV.IF.RQN[.TGVCIP
:	8V483;	5	NQEMY CUI GT.: O O
;	43799	3	P[NQEMPWV.7B8\$.PE

DC @M7 5 F 6 CB5 H9 'G5: 9 HM'K +B8 CK': CF'F'G9 F+9 G



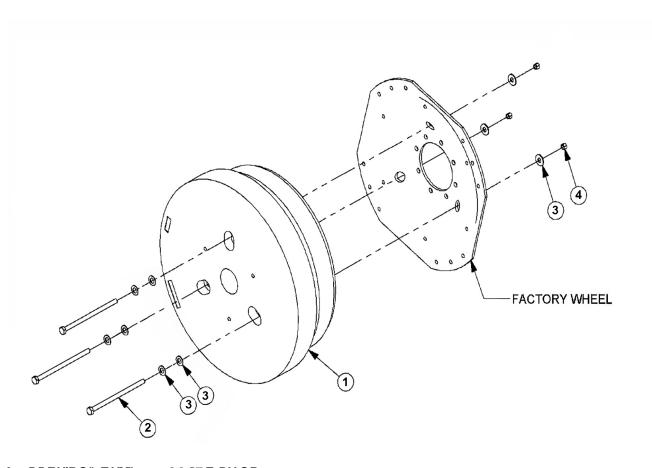
±H9 A	D5 FH BC"	EHM"	89G7F=DH=CB
3	286; 2269	3	RQN[ECTD."HTOF."IF8T.RCP."TJ
4	28759227	3	CFJ GUKYG."Y VJ T"UVTR."DNM."50
5	28552264	3	$DTMV."UHV[\ ."UETP."WRRT."IF83ZZT$
6	28552263	3	DTMV."UHV[."UETP ."NY T ."IF $83ZZT$
7	N393; 67	4	UGCN
8	3; O 9783	6	UETGY
9	N42; 272	3	DTCEMGV
:	N42; 26;	3	DTCEMGV
;	28742262	3	DTMV.'IF.'RQN[.'TGVCIP
32	////	3	TVX''UKNKEQPG'CFJGUKXG

DI AD'8F=J9G<5: H



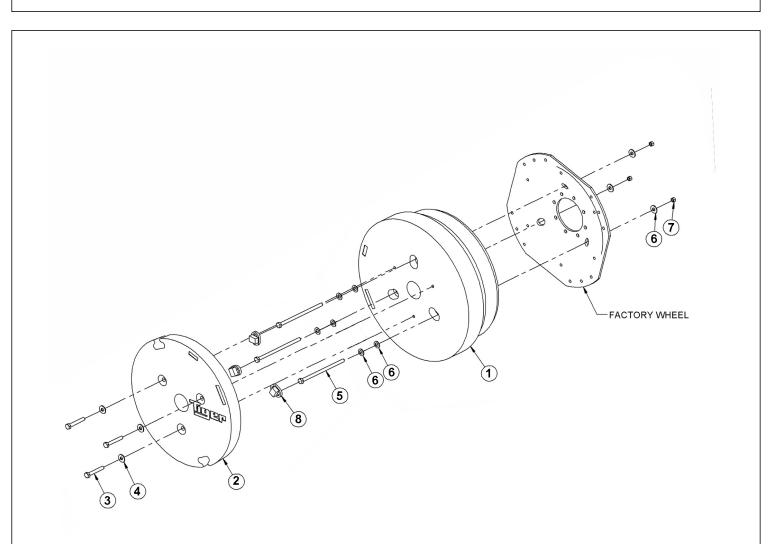
±H9 A	D5 FH'BC"	EHM"	89G7F±DH±CB
///	56;;;	3	FTKXGUJ CHV.WIQKP V.CUU
3	28727226	3	[QMG'RWNNG[
4	28727227	3	UNGGXG
5	28727228	3	UJ CHV
6	28727229	4	ETQUU
7	2872722:	3	[QMG'FTKXG
8	8V5425	3	I TGCUG'\ GTM316\$'Z '67
9	8V5429	5	I TGCUG'\ GTM316\$'Z'UVT

K < 99 @K 9 = < H'G5 6 9 F '



±H9 A	D5 FH BC"	EHM"	89G7F±DH±CB
3	286; ; 232	3	5622%'Y GK J V
4	28752449	5	ECRUETGY ."3\$"Z"3; /314\$.PE
5	28755229	8	HNCVY CUJ GT. '3\$
6	537: 3	5	J GZ 'P WV.'3\$.P E

K < 99 @K 9 = < H'G5 6 9 F'L6 '



±H9 A	D5 FH'BC"	E HM"	89G7F±DH±CB
3	2892232:	3	5622%Y GM J V.VCRRGF
4	5473:	3	: 72% Y GH J V
5	43: 64	5	ECRUETGY .516\$'Z'7\$.PE
6	55848	5	HNCVY CUJ GT.516\$.WUU
7	28752449	5	ECRUETGY .3\$'Z'3; /314\$.PE
8	28755229	8	HNCVY CUJ GT.3\$
9	537: 3	5	J GZ ''P WV.''3\$.P E
:	28592445	5	URCEGT.Y J GGN"Y GKL J V

JD6140M SABER

7CAACB'JD* %(\$!) \$M#F G569F'6CCA
PARTS
SECTION
Parts Section 5-1

PART NAME INDEX

PQVGU000000000000000000000000000000000000	06
RCTVU'QTFGTIPI 'I WIF GIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	07
DQQO 'UY KXGN'CUUGO DN[(111111111111111111111111111111111111	08
S WEMEQWRNGT U000000000000000000000000000000000000	0:
UCDGT 'DQQO 'CUUGO DN[(32
UCDGT 'O D'DQQO 'CUUGO DN[(((((((((((((((((((((((((((((((((((34
UCDGT 'Z D'DQQO 'CUUGO DN[(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	36
72IP 'HNC KN'C UUGO DN[(111111111111111111111111111111111111	38
72IP 'HNC KN'CUUGO DN[. 'RCUU/VJ TQW J 'MP KXGUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	3:
72P 'HNCKN'F TKG'CUUGO DN[(((((((((((((((((((((((((((((((((((42
UCDGT'FKTGEV'FTKXG'HNCKN'CUU[00000000000000000000000000000000000	44
UCDGT'FKTGEV'FTKXG'CUUGODN[(())))))))))	46
85P 'HNC KN'C UUGO DN[(111111111111111111111111111111111111	48
$85 \hbox{\ensuremath{R}} \hbox{\ensuremath{H}} \hbox{\ensuremath{NC}} \hbox{\ensuremath{K}} \hbox{\ensuremath{F}} \hbox{\ensuremath{T}} \hbox{\ensuremath{K}} \hbox{\ensuremath{G'}} \hbox{\ensuremath{C}} \hbox{\ensuremath{UUGO}} \hbox{\ensuremath{DN}} \hbox{\ensuremath{Q}} \hbox{\ensuremath{M}} \hbox$	4:
$72 \hbox{\ensuremath{R}} \hbox{\ensuremath{"}$UCDGT"} \hbox{\ensuremath{TQVCT}} \hbox{\ensuremath{"}$OQYGT (and a summath a summat$	52
$72 \hbox{\rlap/$W} \hbox{\hbox{$^{\circ}$}$ $^{\circ}$ $\text{$^{\circ}$}$ $\text{$^{\circ}$$	54
$72 \hbox{\ensuremath{R}} \hbox{\ensuremath{"UCDGT"}$ZD"} \hbox{\ensuremath{T}QVCT[} \hbox{\ensuremath{"VC}QY $GR000000000000000000000000000000000000$	56
$82 \hbox{\rlap/$W} \hbox{\hbox{$"$$}$} \hbox{\hbox{$"$$}$} \hbox{\hbox{$"$$}$} \hbox{\hbox{$"$}$} \hbox{$"$} \hbox{\hbox{$"$}$} \hbox{$"$} $	58
$82 \hbox{\rlap/$R} \hbox{\it 'TQVCT['MP \hbox{\it K-G'CPF'F KJ 'QRV} \hbox{\it 'QRV} \it QP000000000000000000000000000000000000$	5:
$ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	62
$\label{total conditions} \mbox{UCDGT'ZD'(\ '82\mbox{R'$$$UR\mbox{R'$}\ FNG'CUU $0.00000000000000000000000000000000000$	64
$5 \ R'Z'' 39/34 \ R''Y'' GNFGF'E[NRFGT''DTGCMFQYP''''''''''''''''''''''''''''''''''''$	66
$6 \hbox{\rlap/$R} \hbox{\rlap/$'Z$'} \hbox{\it 37} \hbox{\rlap/$R} \hbox{\it "Y GNF GF$'} \hbox{\it E} \hbox{\it [NRFGT$']} \it DTGCMFQY Pollower and the composition of the $	67
6/3H/P 'Z'48/3H/P''Y GNFGF'E[NPFGT'DTGCMFQYP000000000000000000000000000000000000	68
$7 \ \hbox{\it I\hskip -2pt P} \ \hbox{\it I\hskip -2pt Y} \ \hbox{\it I\hskip -2pt Y} \ \hbox{\it GNF} \ \hbox{\it GF} \ \hbox{\it I\hskip -2pt E} \ \hbox{\it I\hskip -2pt E} \ \hbox{\it I\hskip -2pt P} \ \it I\hskip -2pt P$	69
$RWO\ R'CPF'I\ TK\!N\!N'I\ WCTF'QRVK\!QPUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM$	6:
TGUGTXQKT"VCPM"HKNVGT"CUUGODN[000000000000000000000000000000000000	6;
$HTQP\ V"J\ [\ F\ TCWN\ E"RWO\ R000000000000000000000000000000000000$	72
72IP 'CPF '85IP 'HNCKN'O QVQT 'DTGCMF QY P00000000000000000000000000000000000	74
$72 \ P'' \ TNC' \ K'' \ F'' \ TK' \ GEV''F \ TK' \ G'' \ QVQT'' \ DT' \ GCM \ F' \ QY'' \ P'' \ MONON MARINA MARIAN MAR$	76
72IP 'CPF'82IP 'TQVCT['OQVQT'DTGCMFQYP000000000000000000000000000000000000	78
EQQNGT"CUUGO~DN[~00000000000000000000000000000000000	7:
ECDNG'*O CP WCN+'NK-IV'XCNXG.'6''URQQN'/'2872432600000000000000000000000000000000000	82
ECDNG'*O CP WCN+'NK-IV'XCNXG.'7''URQQN'/'2872432500000000000000000000000000000000000	84
7"URQQN"GNGEVTQP KE"XCNXG"/"287242; 8000000000000000000000000000000000000	86
$DTCMG^*XCNXG^*CUUGODN[000000000000000000000000000000000000$	88
DTCMG"XCNXG"J [FTCWNKE"UEJ GO CVKE000000000000000000000000000000000000	89
UQNGP QIF 'UY K/EJ 'DQZ 'CP F 'Y K/IP I ((()))	8:
O CP WCN'NKHV'XCNXG'UY K/EJ 'DQZ(!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	8;
O CP WCN'NKHV'XCNXG'UEJ GO CVIE((((((((((((((((((((((((((((((((((((92

PART NAME INDEX

GNGEVTQP KE 'NKHV'XCNXG'UY KVEJ 'DQZ(111111111111111111111111111111111111	
	93
GNCEVTQP IE' NKHV' XCNXG' UEJ GO CVKE 000000000000000000000000000000000000	94
NGHV"J CPF"IQ[UVÆM"UY K/EJ DQZ"UEJ GO CVÆ000000000000000000000000000000000000	95
$VTQWDNGUI\ QQVIP\ I\ 000000000000000000000000000000000$	96
$VTQWDNGUI\ QQVIP\ I\ "/"EQP\ VIP\ WGF000000000000000000000000000000000000$	97
J [FTCWNE"VTQWDNGU QQVPI "I WE COMMONOMOMOMOMOMOMOMOMOMOMOMOMOMOMOMOMOM	98
GNGEVTIECN'VTQWDNGUJ QQVIPI 'I WIF COMMUNICATION COMMUNICA	99
PQVGU'3000000000000000000000000000000000000	9:
ENGCP 'EWVVGT'J GCF(000000000000000000000000000000000000	9;
$ENGCP\ [EWVGT\ [CUUGO\ DN]\ [a] \ [a] \ [a] \ [a] \ [b] \ $: 2
ENGCP 'EWVVGT'QRGTCVKQP000000000000000000000000000000000000	: 3
ENGCP 'EWVVGT 'QRGTCVKQP ''/ 'EQP VKP WCF(111111111111111111111111111111111111	: 4
ENGCP 'EWVVGT'O CIP VGP CP ECOMMONOMONOMONOMONOMONOMONOMONOMONOMONOM	: 5
ENGCP 'EWVVGT 'DNCF G'CP F 'VVGVJ 'RCT VUIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	:6
ECTDIF G'VR'TGRNCEGO GP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	: 7
PQVGU'4000000000000000000000000000000000000	: 8
HKTG'UWRRTGUUKQP'UUVGO (000000000000000000000000000000000000	٠ ۵
	.)
HKTG"UWRRTGUUIQP "5/RQIP V"O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	::
	:: ;2
HKTG'UWRRTGUUKQP '5/RQKP V'O QWP VOIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 2 ; 4
HKTG'UWRRTGUUKQP '5/RQKP V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4
HKTG"UWRRTGUUKQP '5/RQKP V'O QWP VOODDOODDOODDOODDOODDOODDOODDOODDOODDOO	; 4 ; 5
HKTG'UWRRTGUUKQP '5/RQKP V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6
HKTG"UWRRTGUURQP "5/RQRP V"O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6 ; 7
HKTG'UWRRTGUUQP '5/RQIP V'O QWP VOORMAND WARDEN WAR	; 4 ; 5 ; 6 ; 7 ; 8
HKTG'UWRRTGUUQP '5/RQR V'O QWP VOOR WARTGUUQP 'HTQP V'O QWP VOOR WARTGUUQP 'U UVGO 'GNGEVTECN'UEJ GO CVEGOOR WARTGUUQP 'U UVGO 'U U U U UVGO 'U U U U U U U U U U U U U U U U U U U	; 4 ; 5 ; 6 ; 7 ; 8
HKTG'UWRRTGUUQP '5/RQIP V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6 ; 7 ; 8
HKTG'UWRRTGUUKP '5/RQR V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6 ; 7 ; 8
HKTG'UWRRTGUUQP '5/RQR V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6 ; 7 ; 8
HKT G'UWRRT GUUQP '5/RQR V'O QWP VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	; 4 ; 5 ; 6 ; 7 ; 8 ; : 322 324 326 328

NOTES	
NOTES	
COMMON SABER	

PARTS ORDERING GUIDE

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

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

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

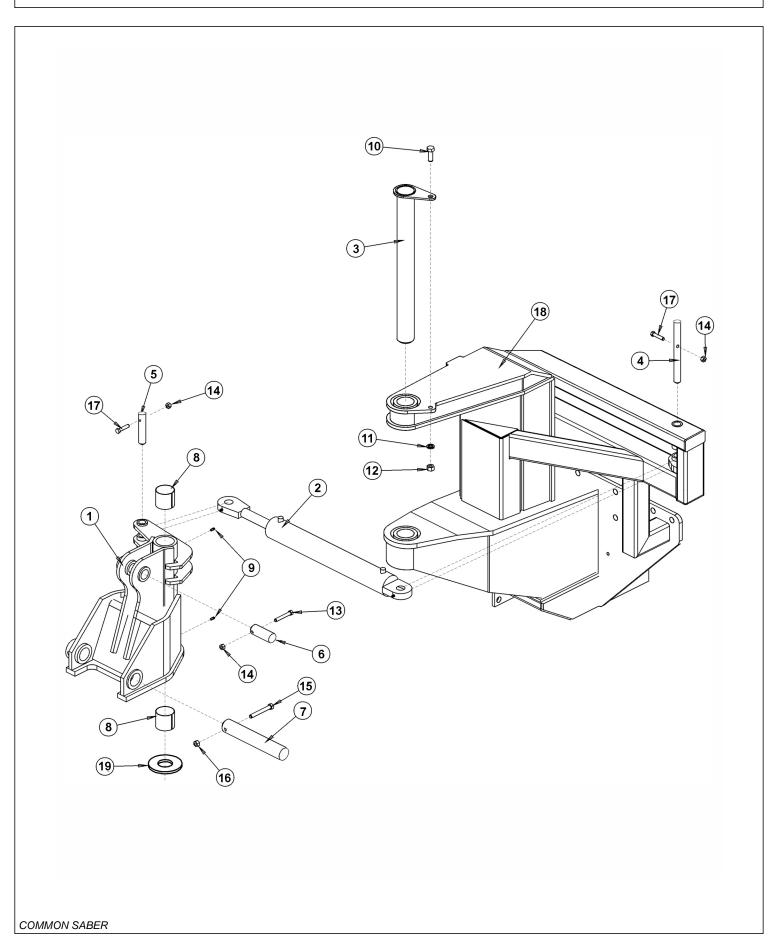


For maximum safety and to guarantee optimum product reliability, always use genuine **Tiger** replacement parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death.

Direct any questions regarding parts to:

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

BOOM SWIVEL ASSEMBLY

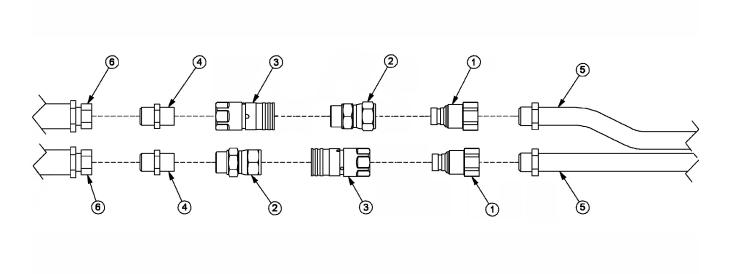


BOOM SWIVEL ASSEMBLY

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



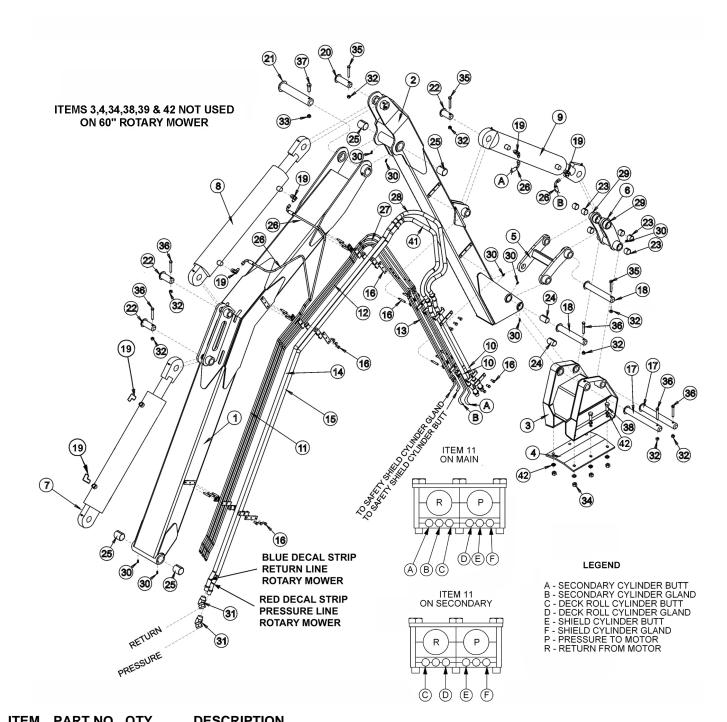


QUICK COUPLERS

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



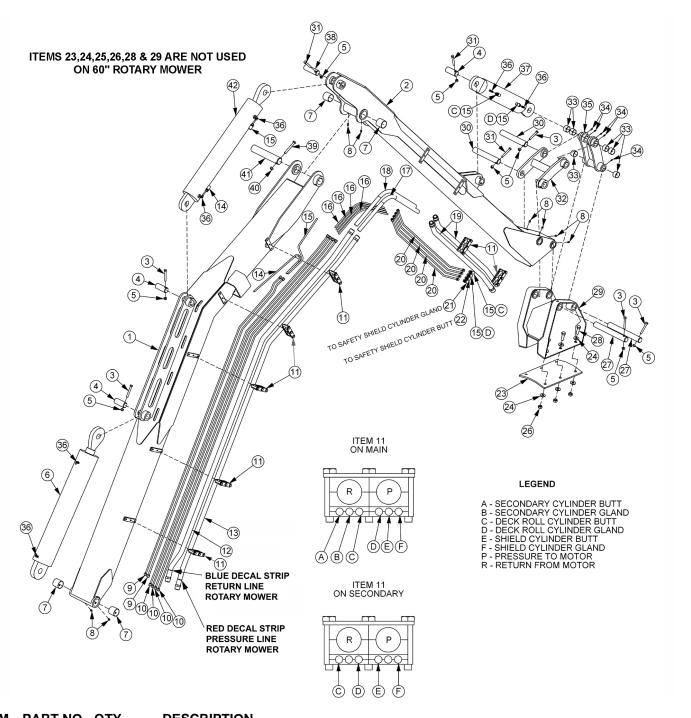
ITEM	PART NO.	QTY.	DESCRIPTION
1	32743	1	MAIN BOOM W/BEARING
2	32744	1	SECONDARY BOOM W/BEARING
3	32311	1	MOUNT,SWIVEL HEAD
4	32309	1	MOUNT HEAD PLATE
5	32316	1	LINKAGE,BOOM TO CYLINDER
6	32745	1	LINKAGE W/BEARING,CYLINDER TO SWIVEL

SABER BOOM ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
7	32363	1	CYLINDER,5" X 25"
8	32364	1	CYLINDER,4-1/2" X 26-1/2"
9	32365	1	CYLINDER,4" X 15"
10	33542	2	PREFORMED TUBE,1"
11	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
40	35260	1	HOSE COVER (NOT SHOWN)
41	33543	1	HOSE,1" X 39"
42	25270	12	FLATWASHER,5/8",USS

SABER MB BOOM ASSEMBLY



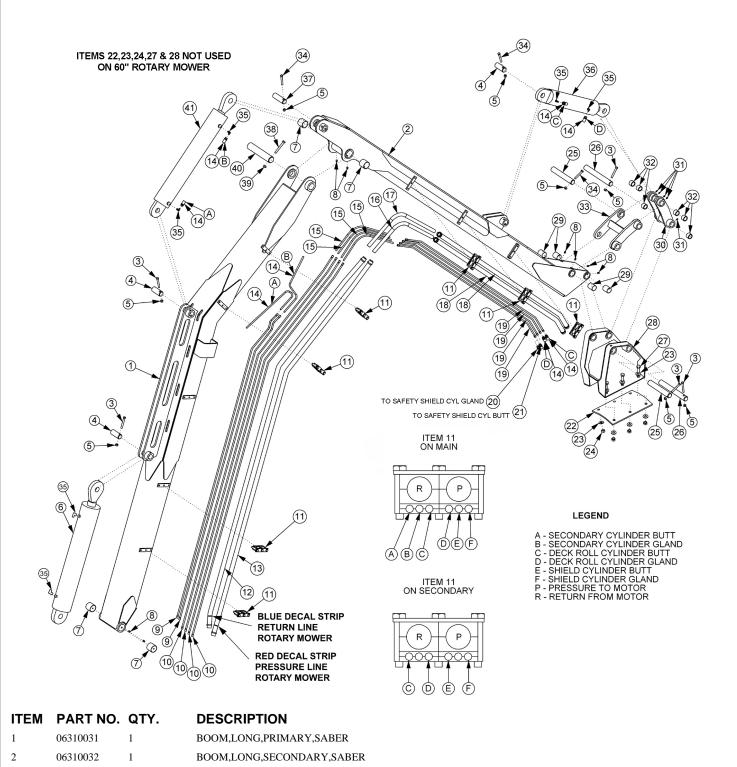
ITEM	PART NO.	QTY.	DESCRIPTION
1	06310075	1	BOOM,MB,PRIMARY,SABER
2	06310076	1	BOOM,MB,SECONDARY,SABER
3	21688	5	CAPSCREW,7/16" X 3-1/4,NC
4	32375	3	PIN,1-1/2" X 3-13/16",W/HOLE
5	21677	8	NYLOCK NUT,7/16",NC
6	32363	1	CYLINDER,5" X 25"

SABER MB BOOM ASSEMBLY

Continued...

	ITEM	PART NO.	QTY.	DESCRIPTION
	7	32362	4	BEARING,DX,2" X 2" LONG
	8	6T3211	8	GREASE ZERK,1/8" X STR
	9	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
	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"
ı				

SABER XB BOOM ASSEMBLY



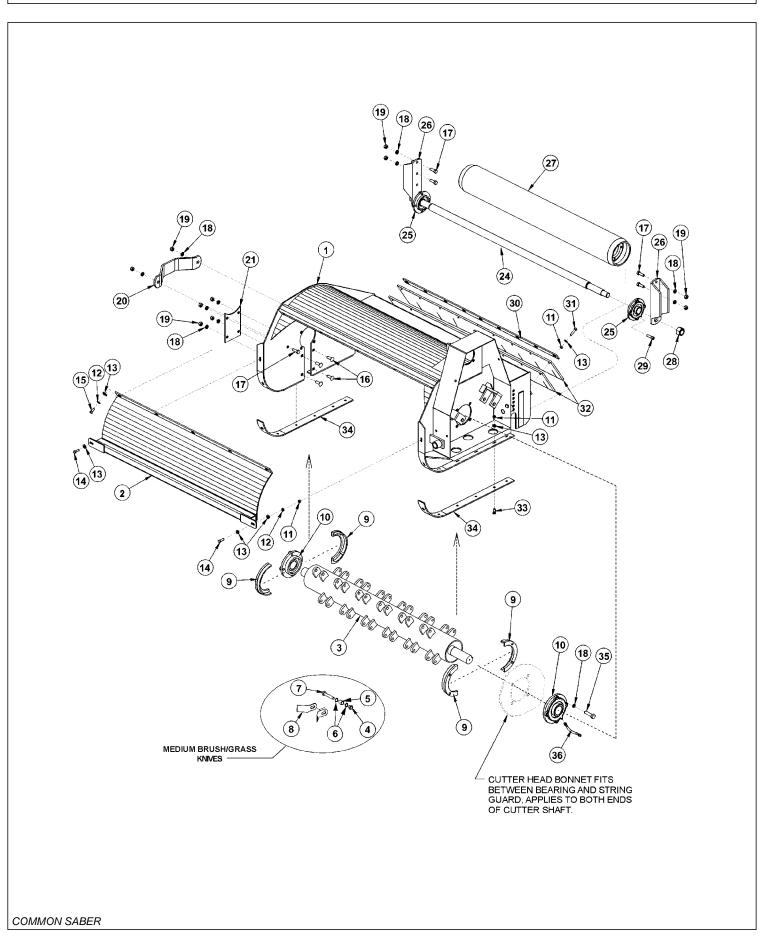
ITEM	PART NO.	QTY.	DESCRIPTION
1	06310031	1	BOOM,LONG,PRIMARY,SABER
2	06310032	1	BOOM,LONG,SECONDARY,SABER
3	21688	5	CAPSCREW,7/16" X 3-1/4",NC
4	32375	3	PIN,1-1/2" X 3-13/16",W/HOLE
5	21677	8	NYLOCK NUT,7/16",NC
6	32363	1	CYLINDER,5" X 25"

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"
ı				

50IN FLAIL ASSEMBLY

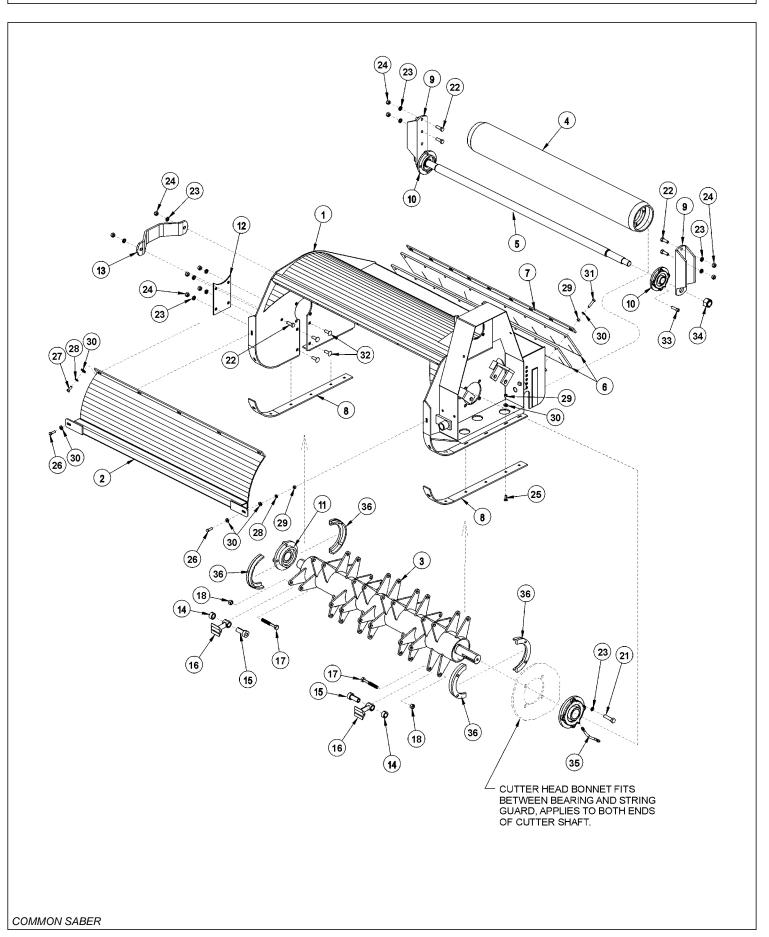


50IN FLAIL ASSEMBLY

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

50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES

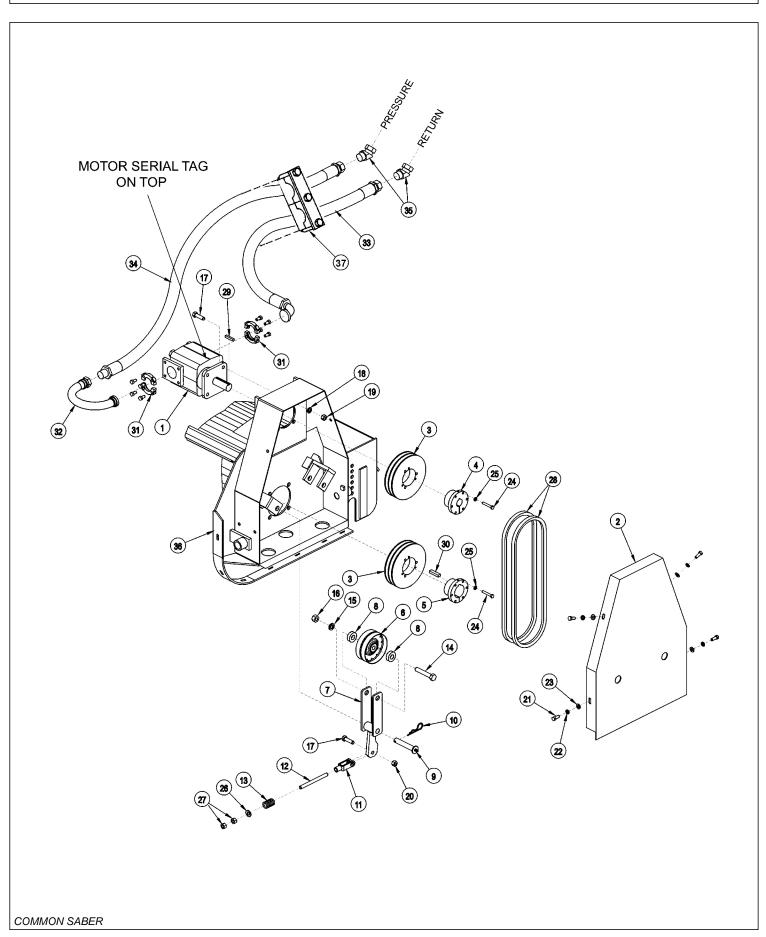


50IN FLAIL ASSEMBLY, PASS-THROUGH KNIVES

Continued...

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

50IN FLAIL DRIVE ASSEMBLY

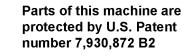


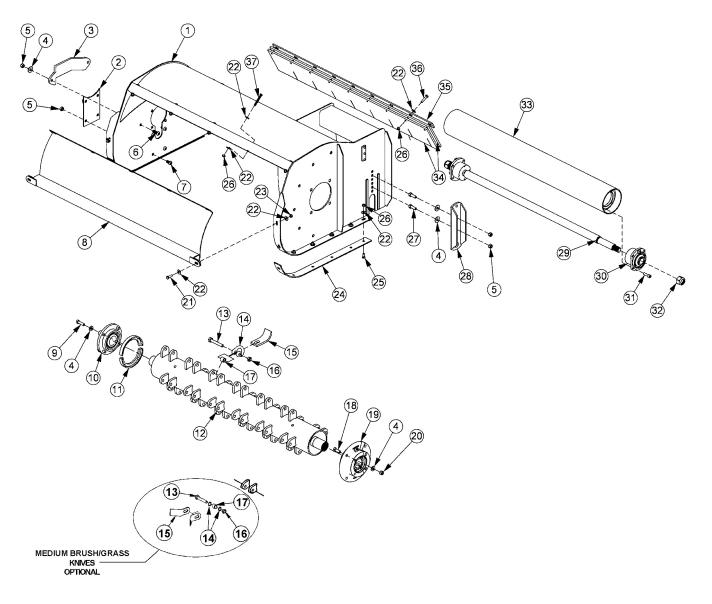
50IN FLAIL DRIVE ASSEMBLY

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	06504354	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

SABER DIRECT DRIVE FLAIL ASSY





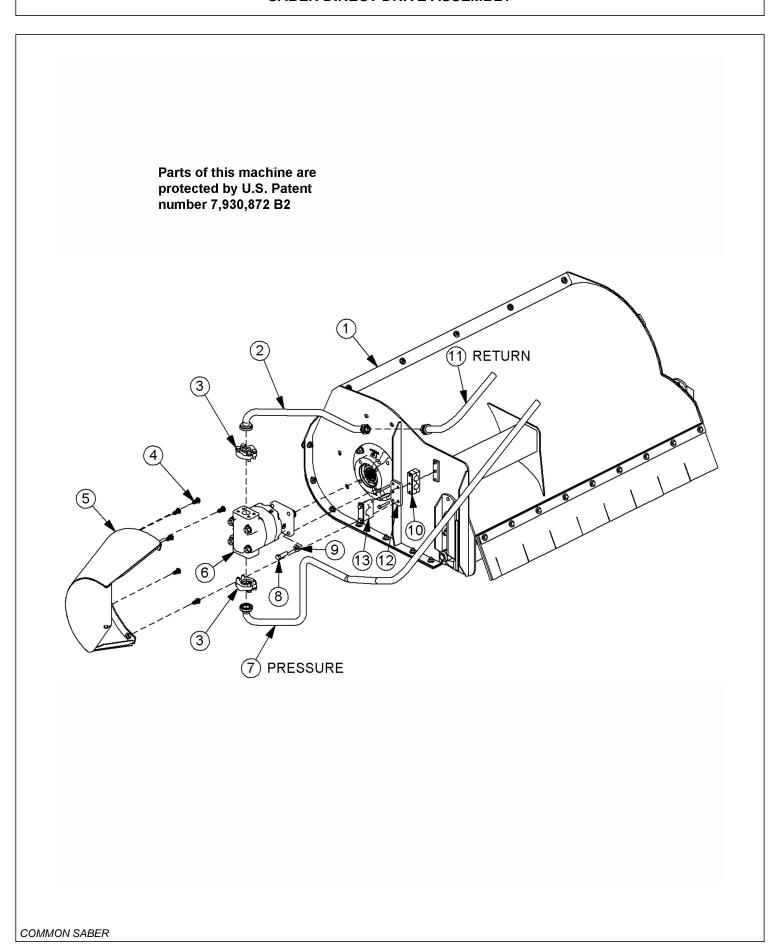
ITEM PART NO. QTY. DESCRIPTION

--- 06742086 1 BONNET,SBF50,DD,ASSY (LIGHT BRUSH)
--- 06742142 1 BONNET,SBF50,DD,ASSY (MEDIUM BRUSH)

SABER DIRECT DRIVE FLAIL ASSY

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

SABER DIRECT DRIVE ASSEMBLY

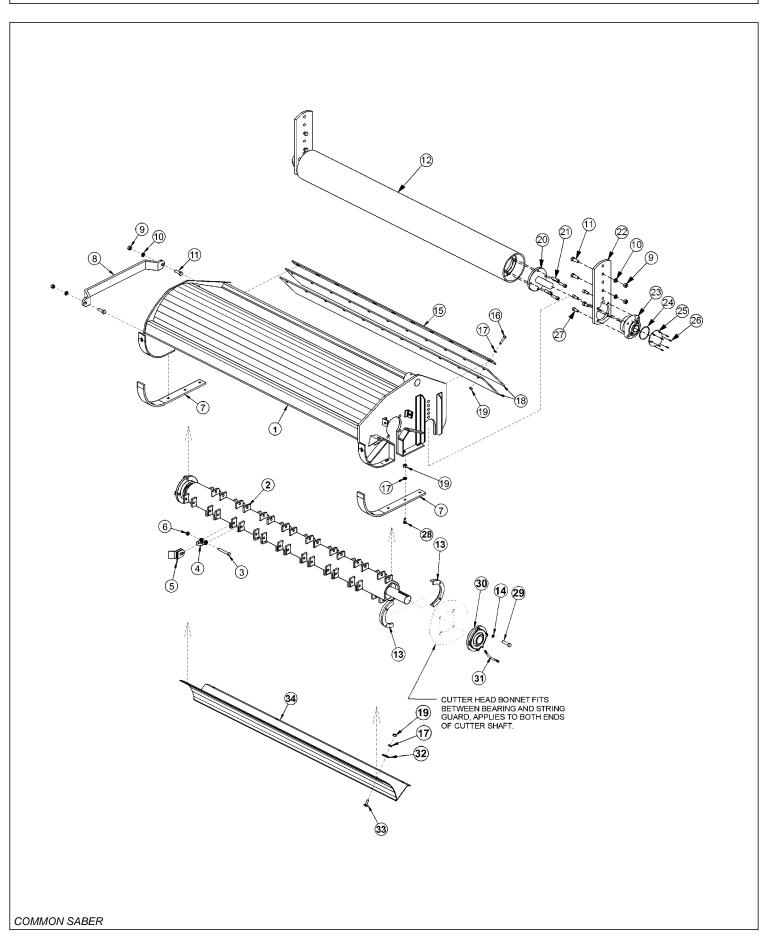


SABER DIRECT DRIVE ASSEMBLY

Continued...

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

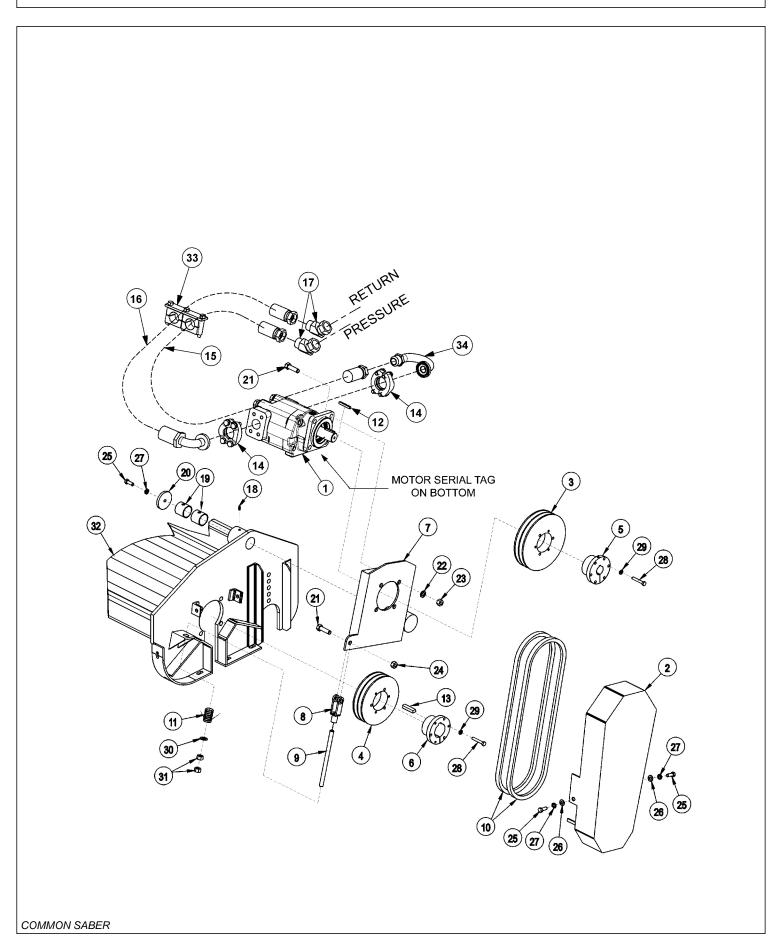
63IN FLAIL ASSEMBLY



63IN FLAIL ASSEMBLY

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

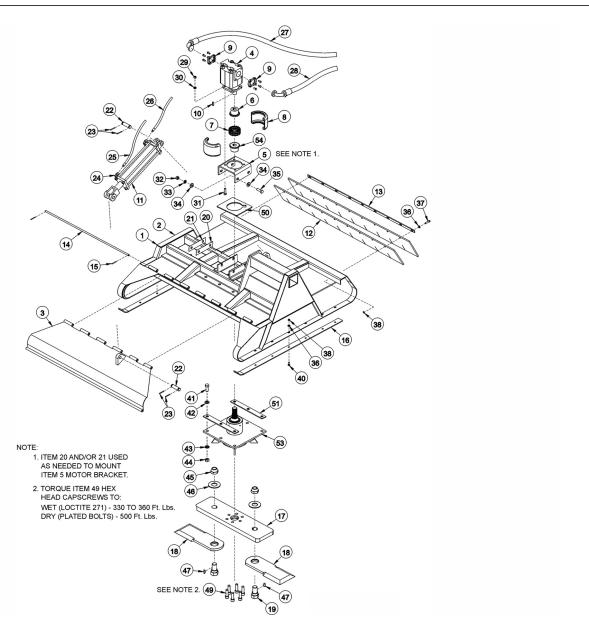
63IN FLAIL DRIVE ASSEMBLY



63IN FLAIL DRIVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	06504354	1	MOTOR (M350-1 3/4 GEAR)
2	28703B	1	BELT GUARD
3	TF3044	1	UPPER SHEAVE
4	TF3040	1	LOWER SHEAVE
5	TF3013	1	BUSHING
6	28723	1	BUSHING
7	28679B	1	MOTOR CHANNEL
8	PT3611A	1	CLEVIS
9	40496	1	THREADED ROD
10	28702	2	BELT
11	TF3620A	1	TENSIONER SPRING
12	28572	1	SQUARE KEY
13	TF1025	1	SQUARE KEY
14	TF4852	2	FLANGE KIT
15	30308	1	HOSE,1" X 143" (PRESSURE)
16	30309	1	HOSE,1" X 143" (RETURN)
17	24724	2	SWIVEL FITTING
18	TF1033	1	GREASE ZERK
19	27580	1	BUSHING
20	28682	1	MOTOR CHANNEL WASHER
21	21732	5	CAPSCREW,1/2" X 1-3/4",NC
22	21990	5	LOCKWASHER,1/2"
23	21725	4	HEX NUT,1/2",NC
24	21727	1	NYLOCK NUT,1/2",NC
25	21630	3	CAPSCREW,3/8" X 1",NC
26	22016	2	FLATWASHER,3/8"
27	21988	3	LOCKWASHER,3/8"
28	21584	6	CAPSCREW,5/16" X 2",NC
29	21987	6	LOCKWASHER,5/16"
30	27938	1	FLATWASHER,1/2"
31	21700	2	HEX NUT,1/2",NF
32		-	CUTTER HEAD *REFER TO MOWER ASSY
33	35131	1	CLAMP,HOSE
34	06506038	1	PREFORMED TUBE

50IN SABER ROTARY MOWER



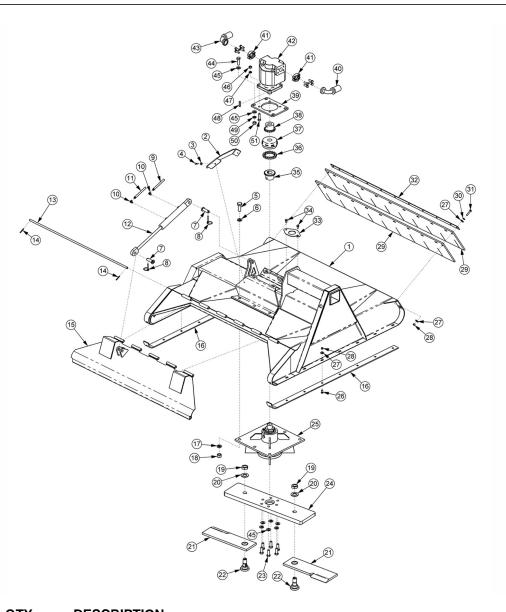
ITEM	PART NO.	QTY.	DESCRIPTION
1	33304	-	ROTARY,SABER 50",ASSY
2	32914	1	ROTARY,SABER 50",DECK
3	32915	1	SHIELD,50" ROTARY,SABER
4	06504012	1	MOTOR
5	33198	1	MOTOR MOUNTING BRACKET
6	34479	1	SPROCKET,MOTOR
7	34482	1	CHAIN COUPLING
8	34483	1	COVER COUPLING
9	TF4852	2	FLANGE KIT
10	TF1124	1	KEY,WOODRUFF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

50IN SABER ROTARY MOWER

^ -		
1.0	ntın	ued
\mathbf{v}		u c u

ITEM	PART NO.	OTY	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)

50IN SABER MB ROTARY MOWER



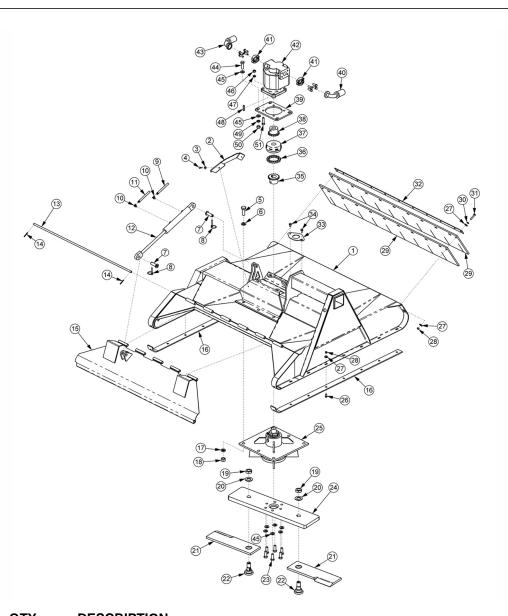
ITEM	PART NO.	QTY.	DESCRIPTION
	06741036	-	ROTARY,SABER,ASSY
1	06320009	1	ROTARY,SABER,DECK
2	06410439	1	COVER,MOTOR MNT
3	22014	2	FLATWASHER,1/4"
4	21530	2	CAPSCREW,1/4" X 1",NC
5	33879	6	CAPSCREW,3/4" X 2-1/4",NF,GR 8
6	33880	6	FLATWASHER,3/4",GR 8,SAE
7	33984	2	PIN,SHIELD,50"
8	RD1032	2	PIN,LYNCH,1/4"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

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

50IN SABER XB ROTARY MOWER

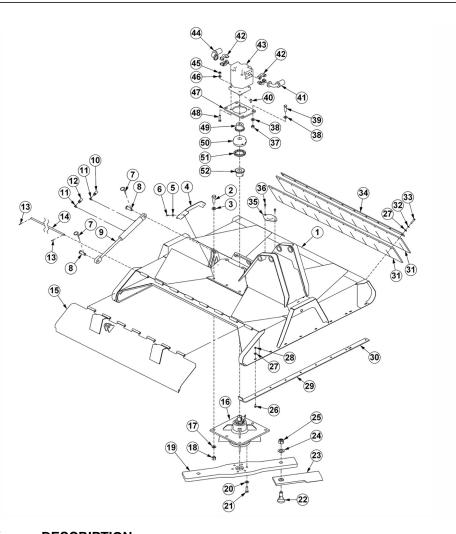


ITEM	PART NO.	QTY.	DESCRIPTION
	06741036	-	ROTARY,SABER XB,ASSY
1	06320009	1	ROTARY,SABER XB,DECK
2	06410439	1	COVER,MOTOR MNT
3	22014	2	FLATWASHER,1/4"
4	21530	2	CAPSCREW,1/4" X 1",NC
5	33879	6	CAPSCREW,3/4" X 2-1/4",NF,GR 8
6	33880	6	FLATWASHER,3/4",GR 8,SAE
7	33984	2	PIN,SHIELD,50"
8	RD1032	2	PIN,LYNCH,1/4"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

50IN SABER XB ROTARY MOWER

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

60IN SABER ROTARY MOWER

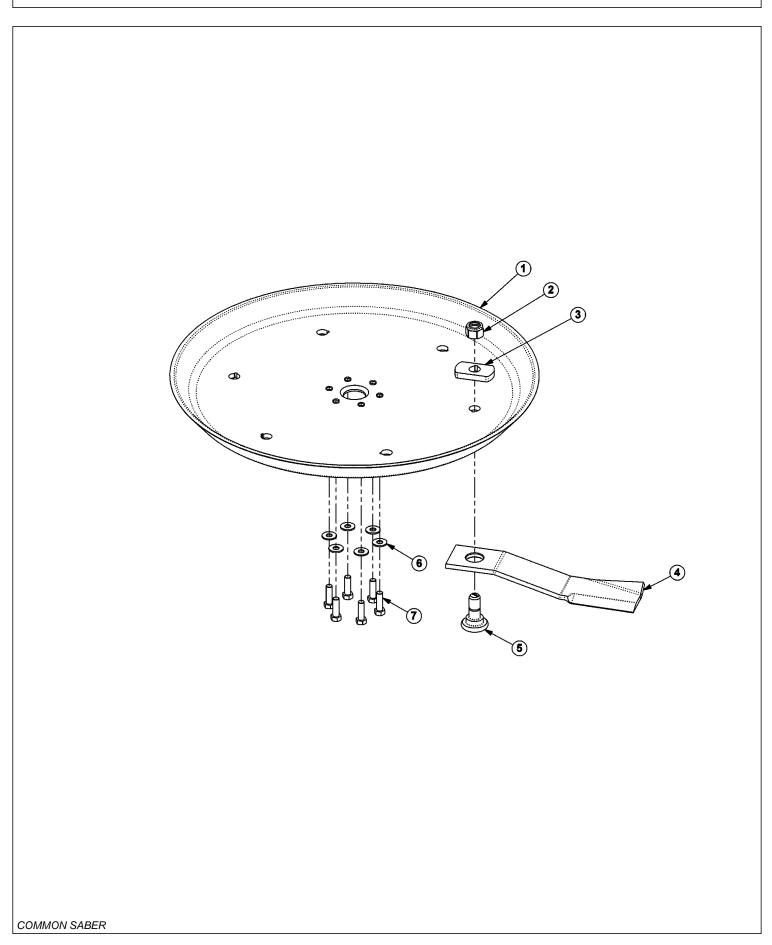


ITEM	PART NO.	QTY.	DESCRIPTION
	06741072	-	ROTARY,SABER 60",ASSY
1	06320169	1	ROTARY,SABER 60",DECK
2	33879	6	CAPSCREW, 3/4" X 2-1/4",NF GR 8
3	33880	6	FLATWASHER,3/4",GR 8,SAE
4	06410439	1	COVER,MOTOR MNT
5	22014	2	FLATWASHER,1/4"
6	21530	2	CAPSCREW,1/4" X 1",NC
7	RD1032	2	PIN,LYNCH,1/4" X 2"
8	33984	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"

60IN SABER ROTARY MOWER

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	SPROKET,1-1/4" BORE
50	6T1033	1	COVER,COUPLING
51	6T1029	1	CHAIN,COUPLING (5016)
52		-	SPROCKET *REFER TO SPINDLE PARTS

60IN ROTARY KNIFE AND DISH OPTION

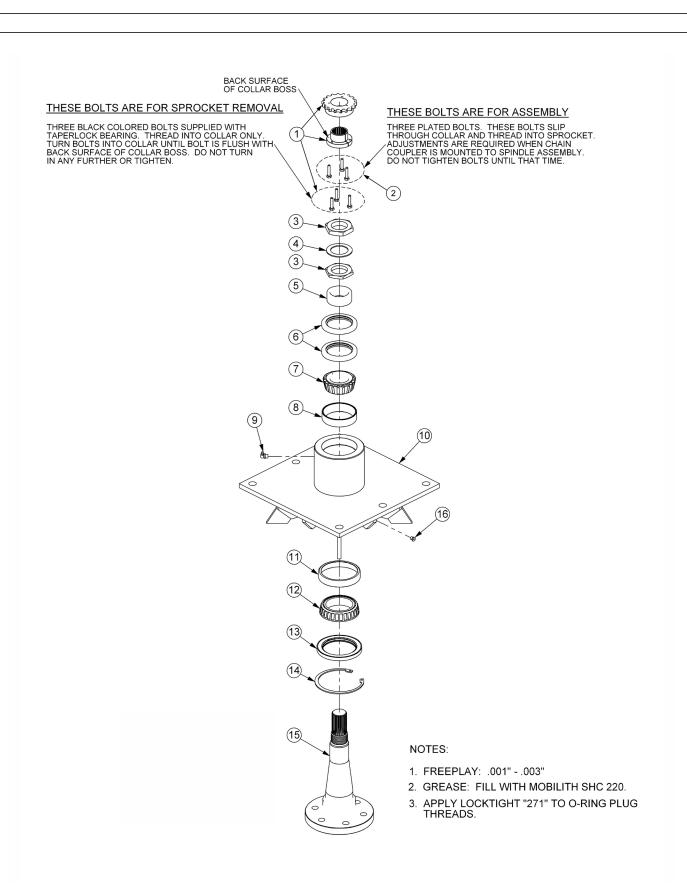


60IN ROTARY KNIFE AND DISH OPTION

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)

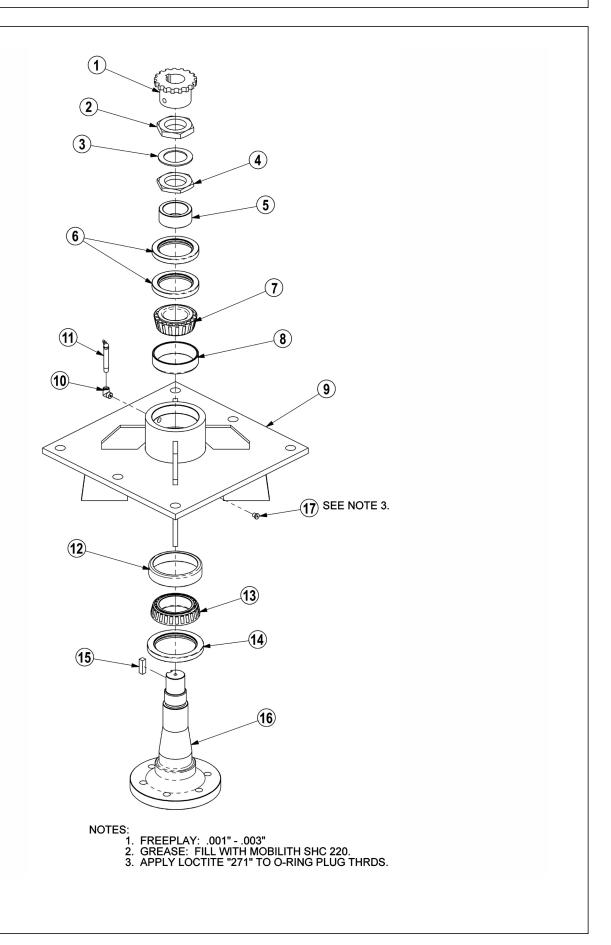
SABER SPINDLE ASSEMBLY



SABER SPINDLE ASSEMBLY

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

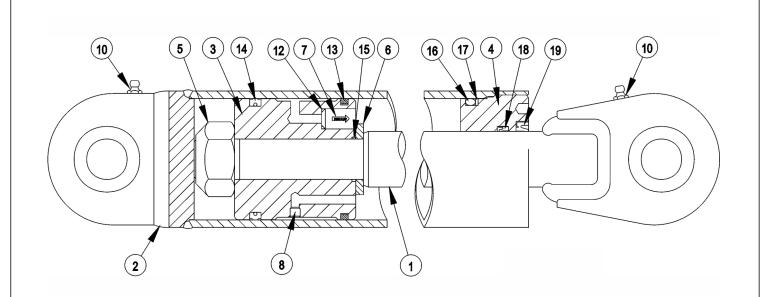
SABER XB & 60IN SPINDLE ASSY



SABER XB & 60IN SPINDLE ASSY

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"
	31771	1	SPINDLE REBUILD KIT (ITEMS 2 THRU 8 & 12 THRU 15)

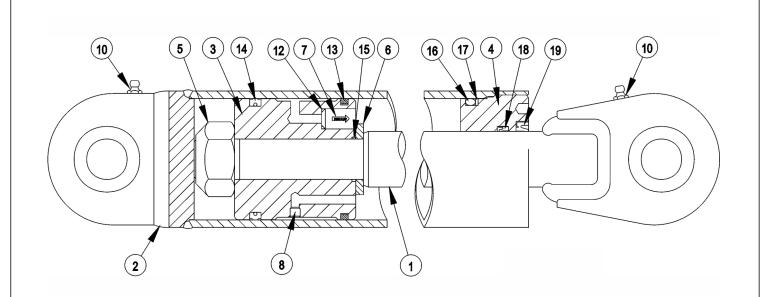
3IN X 17-1/2IN WELDED CYLINDER BREAKDOWN



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

	ITEM	PART NO.	QTY.	DESCRIPTION
		33705	-	CYLINDER,WELDED,3" X 17-1/2"
	1	34571	1	PISTON ROD ASSY
	2	34572	1	BUTT & TUBE ASSY
	3	34573	1	PISTON
	4	34574	1	GLAND
	5	34575	1	LOCK NUT,1"-14 UNS (TORQUE TO 315 FT.LB.)
	6	34576	1	SPACER
	7	34577	1	CHECK VALVE, KEPNER
	8	34578	1	ORIFICE
	9	33761	1	SEAL KIT, PACKING (ITEMS 12 THRU 19)
	10		2	GREASE ZERK
	12		1	O - RING
	13		1	CAST IRON PISTON RING
	14		1	CROWN SEAL
	15		1	O - RING
	16		1	O - RING
	17		1	BACK - UP WASHER
	18		1	U - CUP
	19		1	WIPER
	20	34334	-	SPHERICAL BEARING (NOT SHOWN)
١				

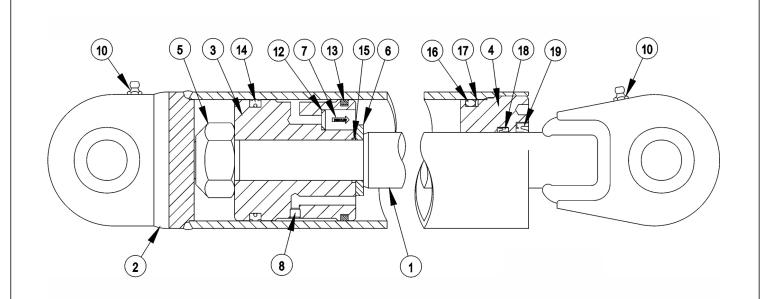
4IN X 15IN WELDED CYLINDER BREAKDOWN



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)
ı				

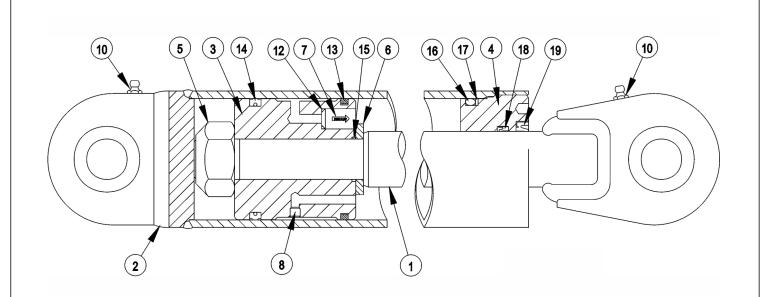
4-1/2IN X 26-1/2IN WELDED CYLINDER BREAKDOWN



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)
ı				

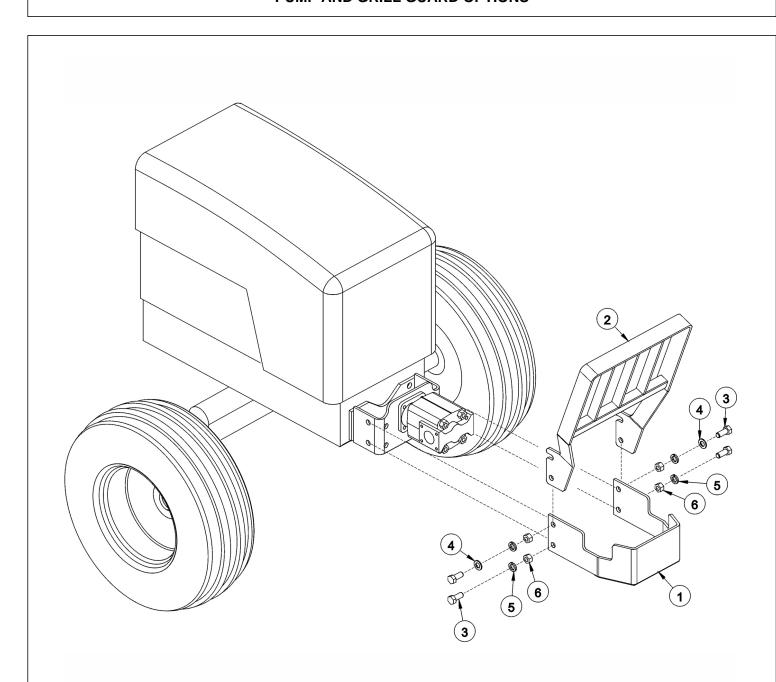
5IN X 25IN WELDED CYLINDER BREAKDOWN



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

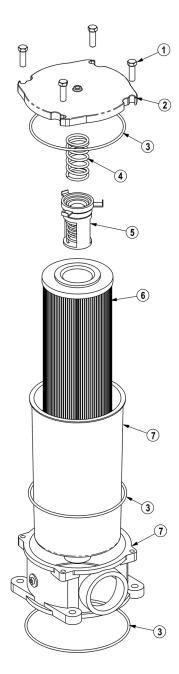
ı	17514	DARTNO	OTV	DECORIBEION
l	IIEW	PART NO.	QIY.	DESCRIPTION
l		32363	-	CYLINDER,WELDED,5" X 25"
	1	34592	1	PISTON ROD ASSY
	2	34593	1	BUTT & TUBE ASSY
	3	34594	1	PISTON
	4	34595	1	GLAND
	5	34596	1	LOCK NUT,1-3/4"-12 UNF (TORQUE TO 1800 - 2000 FT.LB.)
	7	34597	1	CHECK VALVE, KEPNER
	8	34598	1	ORIFICE
	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)
١				

PUMP AND GRILL GUARD OPTIONS



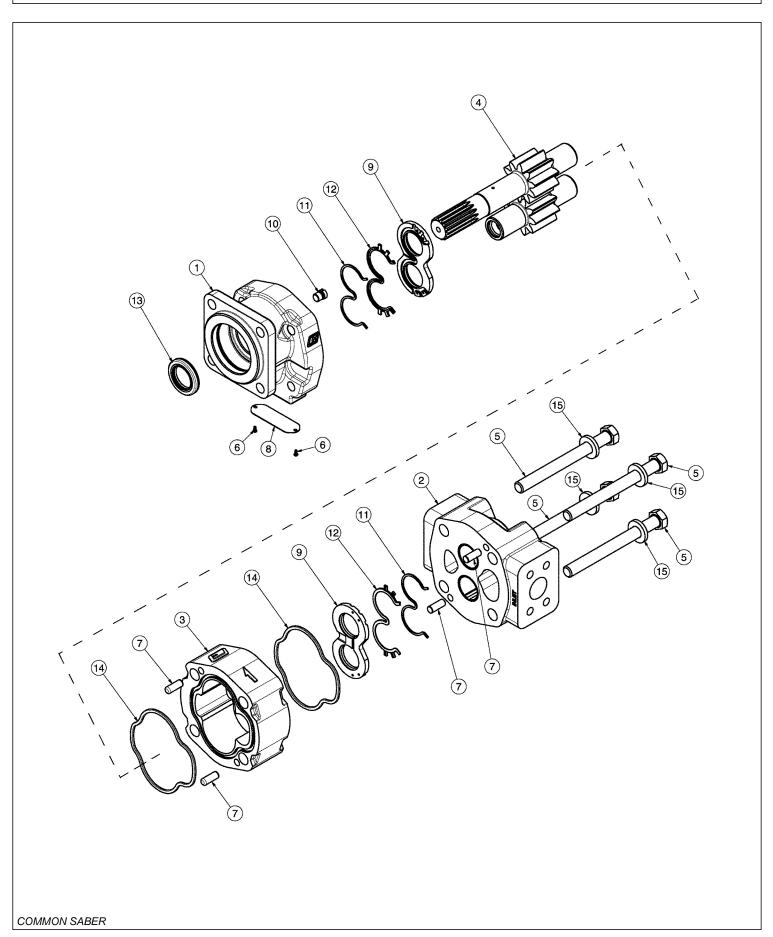
ITEM	PART NO.	QTY.	DESCRIPTION
1	32430	1	UNIVERSAL PUMP GUARD
2	32737	1	UNIVERSAL GRILL GUARD
3	21833	4	CAPSCREW,3/4" X 2-1/4",NC
4	22021	2	FLATWASHER,3/4"
5	21993	4	LOCKWASHER,3/4"
6	21825	4	HEX NUT,3/4",NC

RESERVOIR TANK FILTER ASSEMBLY



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

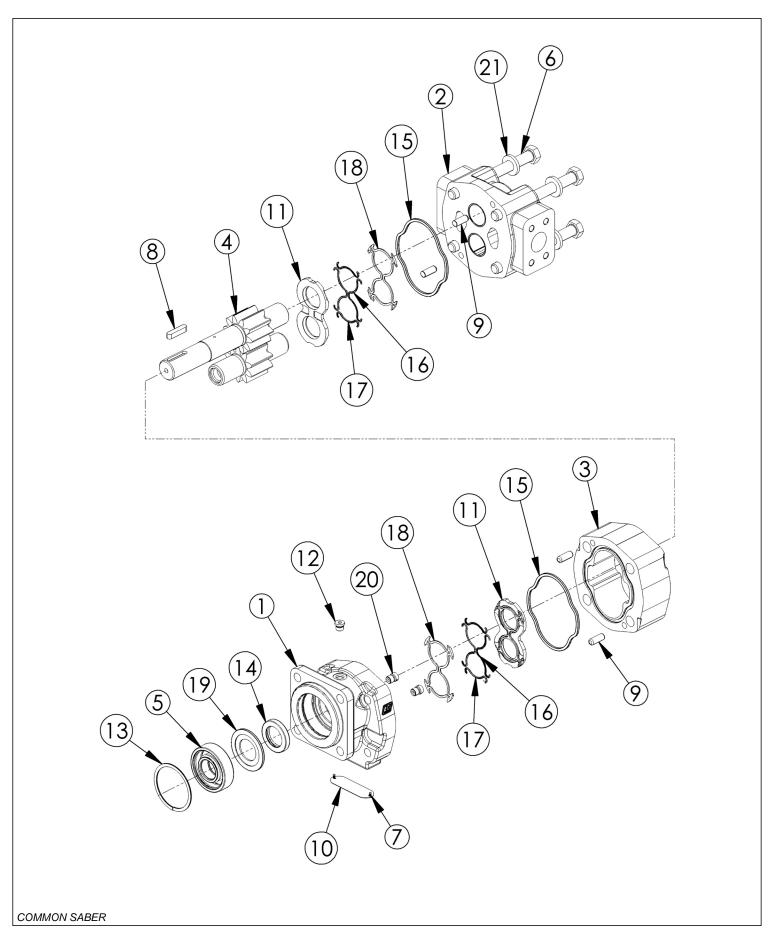
FRONT HYDRAULIC PUMP



FRONT HYDRAULIC PUMP

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)

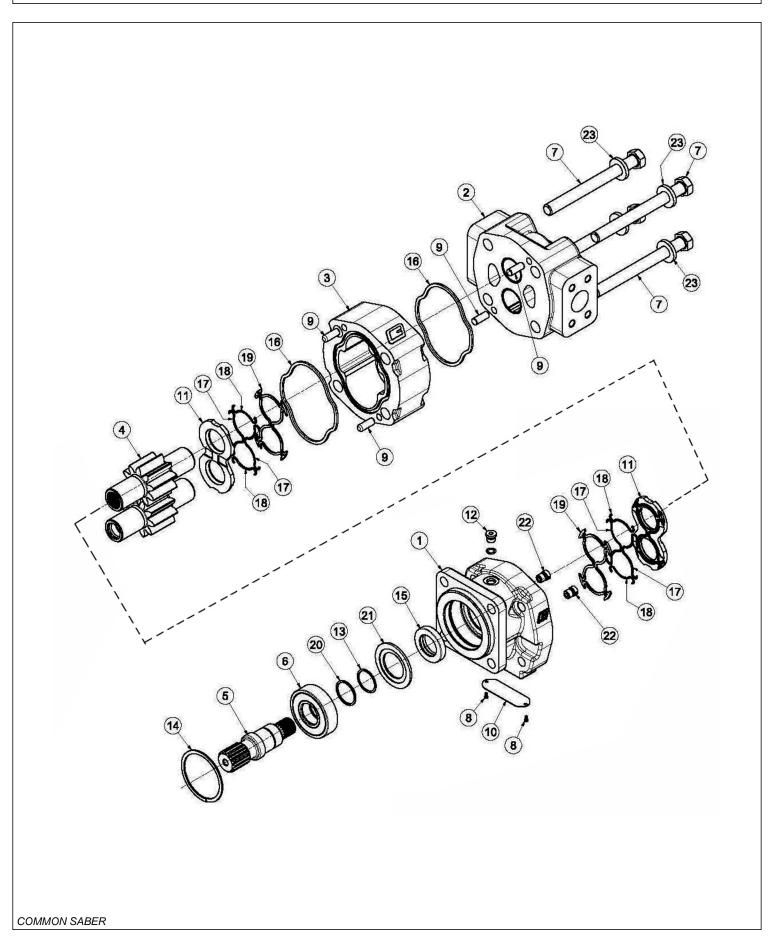
50IN AND 63IN FLAIL MOTOR BREAKDOWN



50IN AND 63IN FLAIL MOTOR BREAKDOWN

ITEM	PART NO.	QTY.	DESCRIPTION
	06504013	-	MOTOR ASSEMBLY 350
	06504132	-	MOTOR ASSEMBLY 350
1	06504039	1	SHAFT END COVER
2	06504040	1	PORT END COVER
3	06504041	1	GEAR HOUSING
4	06504042	1	MATCHED GEAR SET
5	TF4402	1	BALL BEARING
6	06504043	4	CAP SCREW
7	06504044	2	SET SCREW
8	06504028	1	KEY
9	06504045	4	DOWEL PIN
10		1	NAMEPLATE
11	763759	2	THRUSTPLATE
12	02961940	1	HEX PLUG
13	TF4401	1	SNAP RING
14	06504049	1	LIP SEAL
15	TF4410	2	GASKET SEAL
16	06504046	4	SIDE SEAL
17	06504047	4	END SEAL
18	TF4407	2	BACK-UP SEAL
19	06504048	1	SEAL RETAINER
20	6T5809	2	CHECK ASSEMBLY
21	02961917	4	WASHER
	06504023	-	SEAL KIT (INCLUDES 14, 15, 16, 17, AND 18

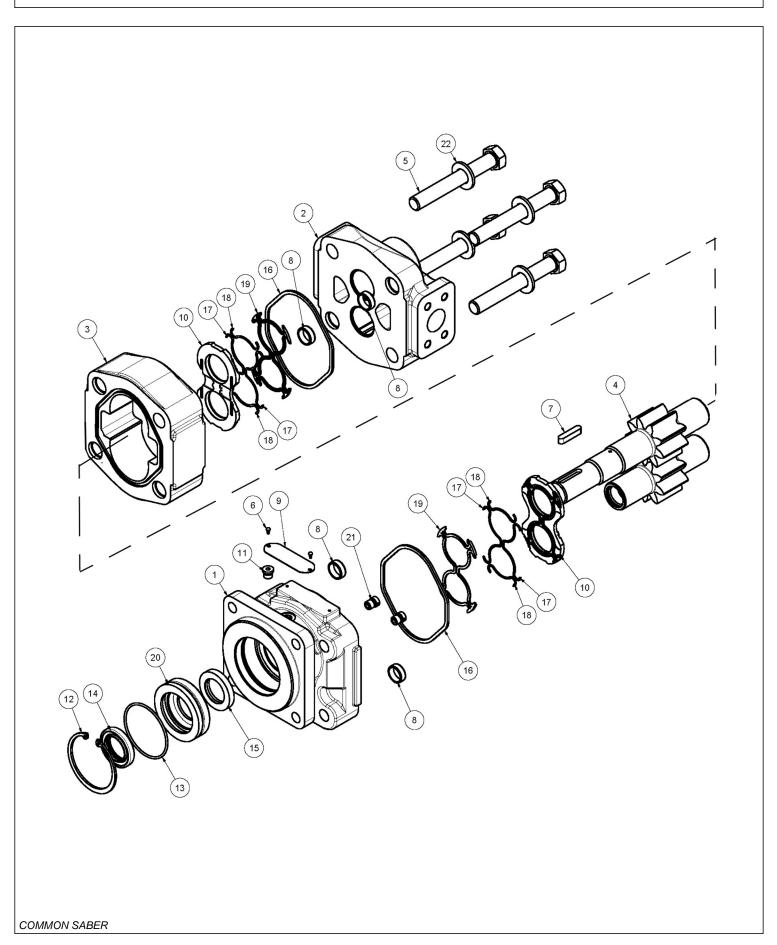
50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN



50IN FLAIL DIRECT DRIVE MOTOR BREAKDOWN

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)

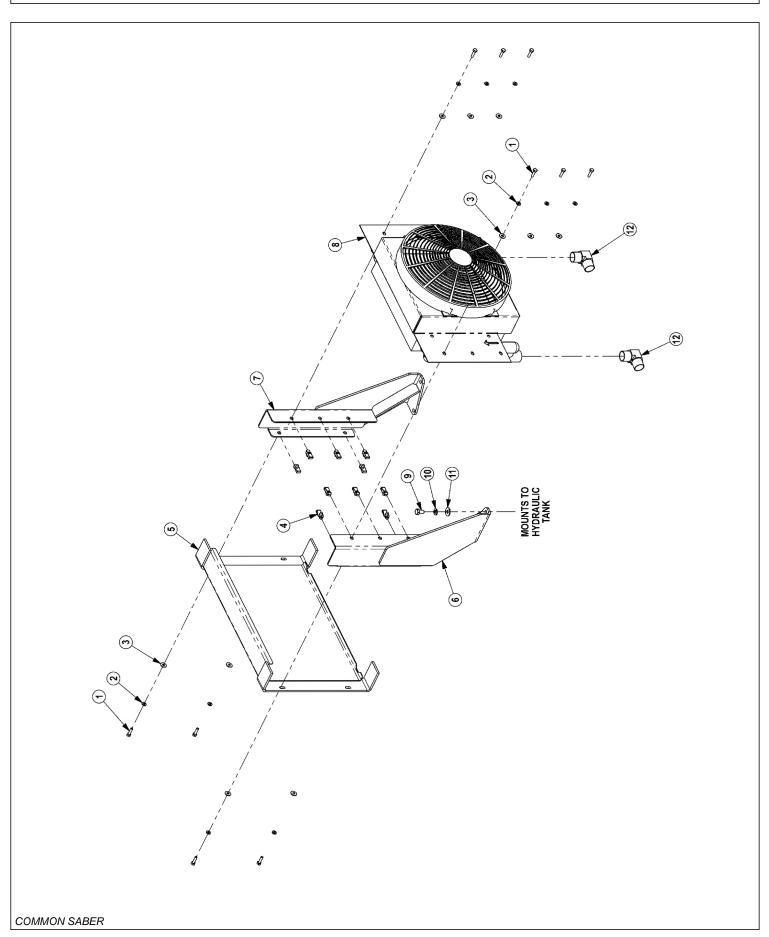
50IN AND 60IN ROTARY MOTOR BREAKDOWN



50IN AND 60IN ROTARY MOTOR BREAKDOWN

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

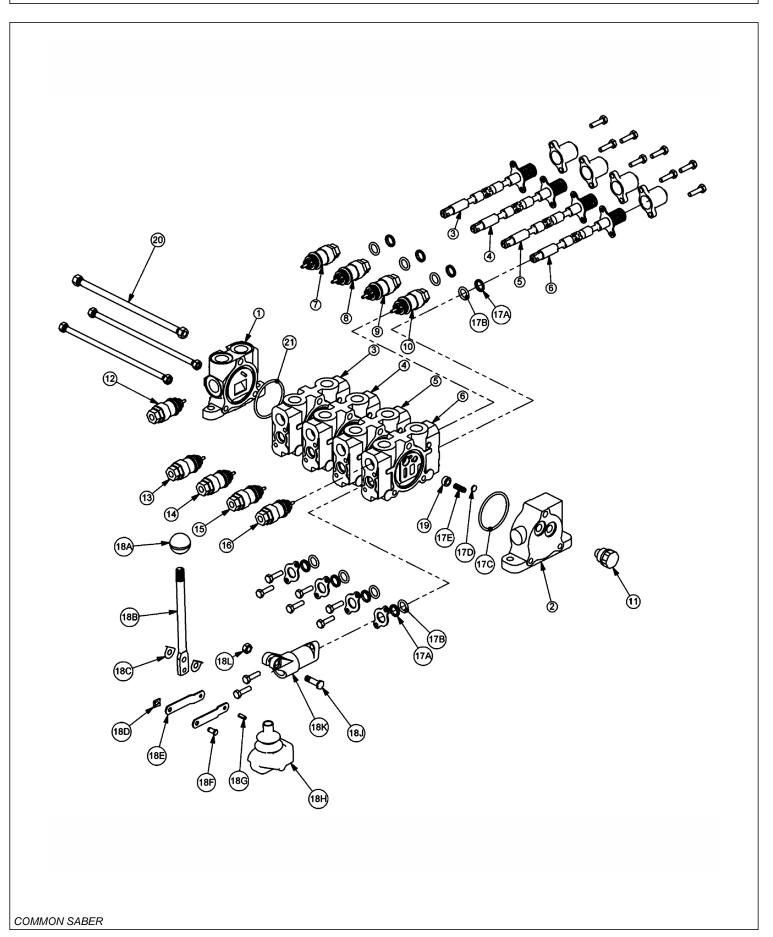


COOLER ASSEMBLY

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

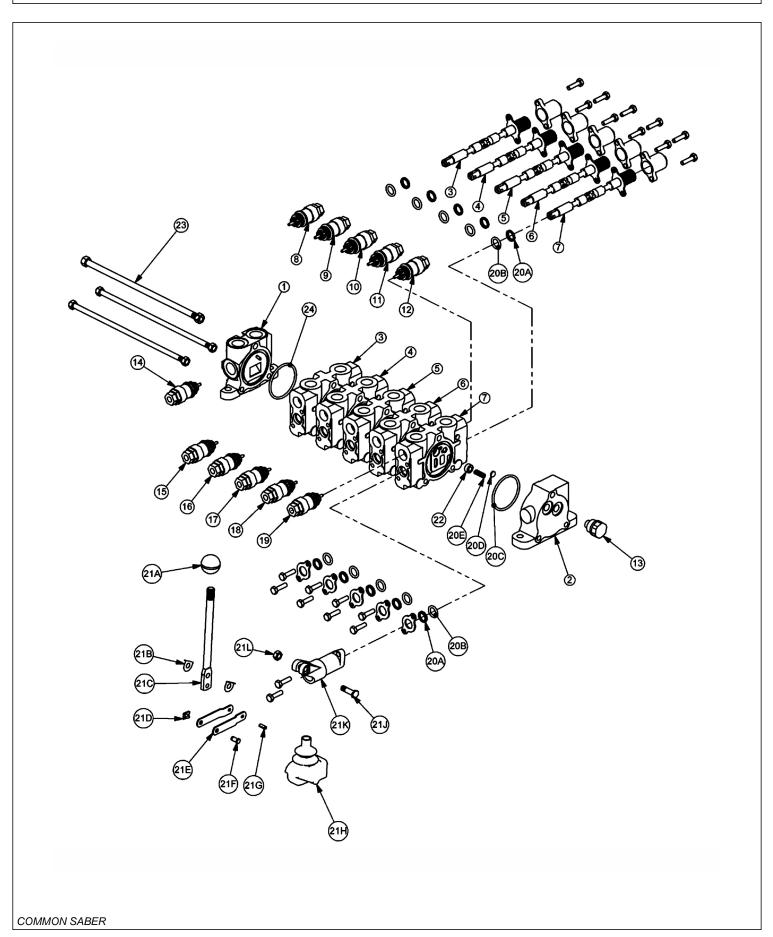


CABLE (MANUAL) LIFT VALVE, 4 SPOOL - 06502104

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

CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103

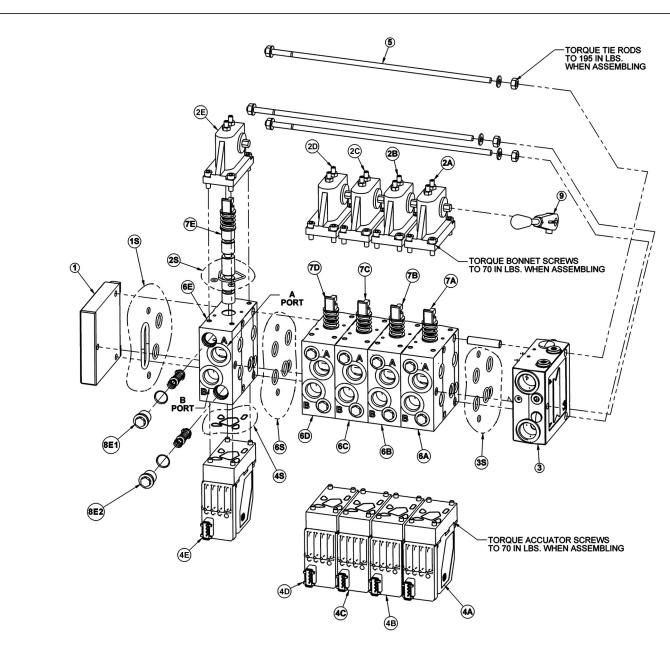


CABLE (MANUAL) LIFT VALVE, 5 SPOOL - 06502103

Continued	•
-----------	---

ITEA	DADT NO	OTV	DECORIDATION
	PART NO.		DESCRIPTION NV PT FND COVER
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

5 SPOOL ELECTRONIC VALVE - 06502096



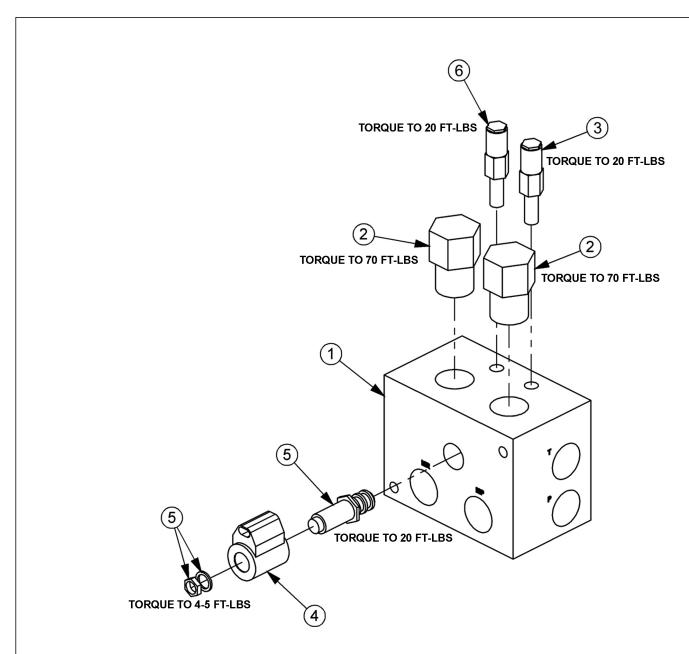
ITEM	PART NO.	QTY.	DESCRIPTION
	06502096	-	VLV,5SP,32PVG,SIDE STOW
1	06502074	1	END PLATE
1S	06505013	1	END PLATE SEAL KIT
2		5	BONNET
2S	06505042	1	BONNET SEAL KIT
2A	42197	1	MAIN BOOM BONNET
2B	42197	1	SECONDARY BOOM BONNET
2C	42197	1	DECK ROLL BONNET
2D	42197	1	BOOM SWIVEL BONNET
2E	42197	1	DECK SHIELD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

5 SPOOL ELECTRONIC VALVE - 06502096

Continued...

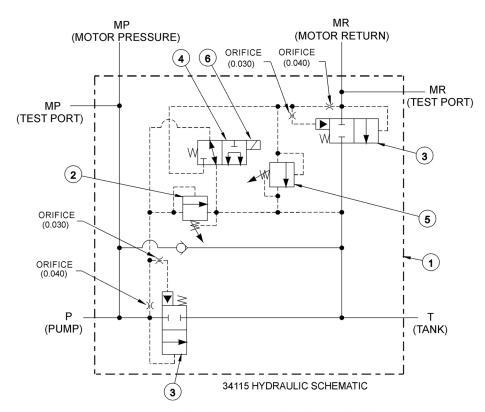
ITEM	PART NO.	QTY.	DESCRIPTION
3	34308	1	INLET SECTION
3S	06505013	1	INLET SECTION SEAL KIT
4		5	ELECTRONIC ACCUATOR
4A	06502101	1	MAIN BOOM ELECTRONIC ACCUATOR
4B	06502101	1	SECONDARY BOOM ELECTRONIC ACCUATOR
4C	06502100	1	DECK ROLL ELECTRONIC ACCUATOR
4D	06502101	1	BOOM SWIVEL ELECTRONIC ACCUATOR
4E	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

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		
соммог	COMMON SABER				

BRAKE VALVE HYDRAULIC SCHEMATIC



BRAKE VALVE TROUBLESHOOTING

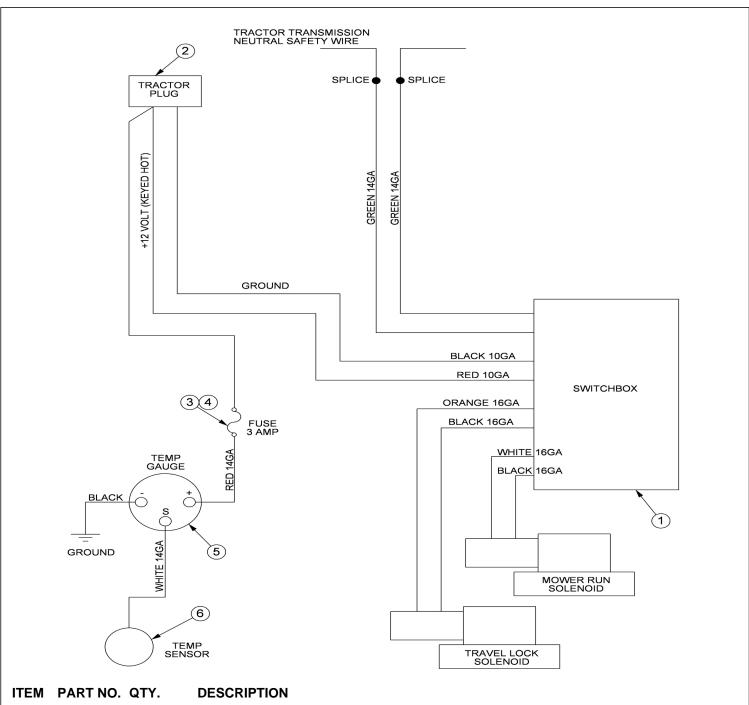
FAILURE MODE: CI	HECK STEPS
------------------	------------

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

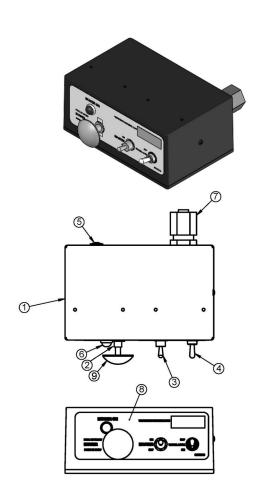
CORRECTIVE STEPS:

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

SOLENOID SWITCH BOX AND WIRING

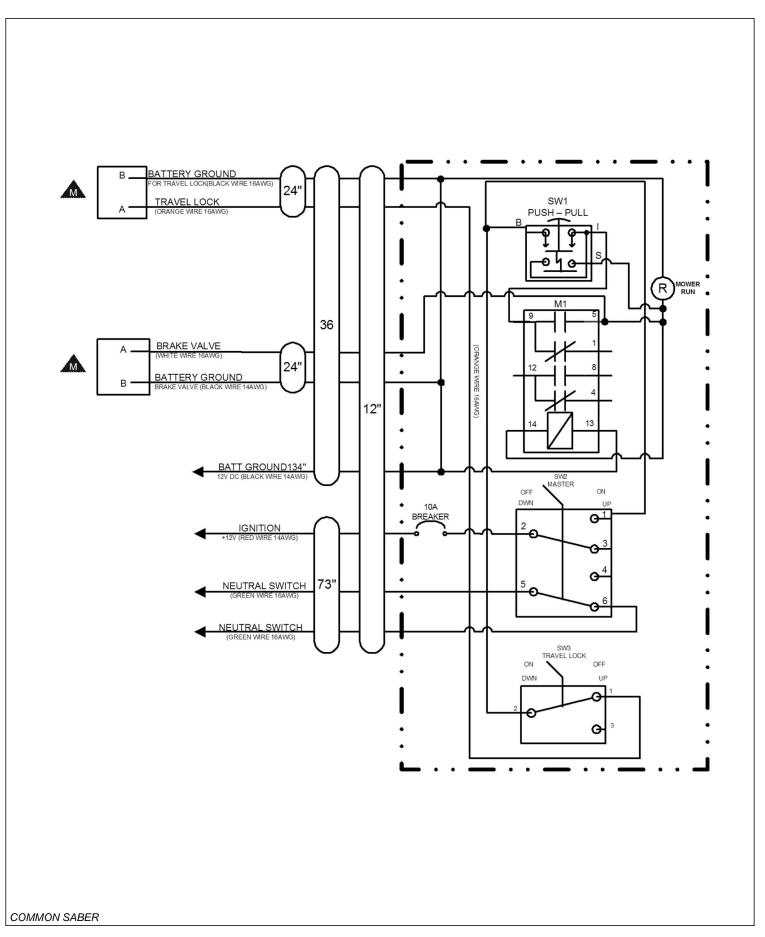


MANUAL LIFT VALVE SWITCH BOX

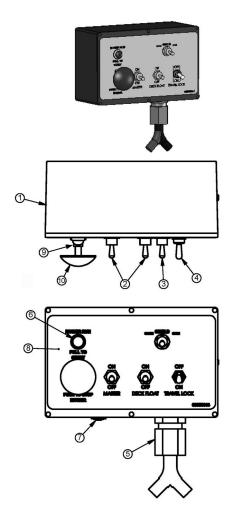


ITEM	PART NO.	QTY.	DESCRIPTION
1	06514012	1	SWBX,ALUM,BLK,06510100
2	35226	1	SWITCH,MOWER,COLEHERSEE
3	33811	1	SWITCH,MASTER/DECK FLOAT
4	34532	1	SWITCH,TRVL LCK
5	06514014	1	BREAKER,10A,SWBX
6	6T3923	1	INDICTATOR LIGHT,ON,RED
7	34540	1	STRAIN RELIEF,3/4,BLACK,NYLON
8	06550019	1	DECAL,SWTCHBX,BOOM,CG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

MANUAL LIFT VALVE SCHEMATIC

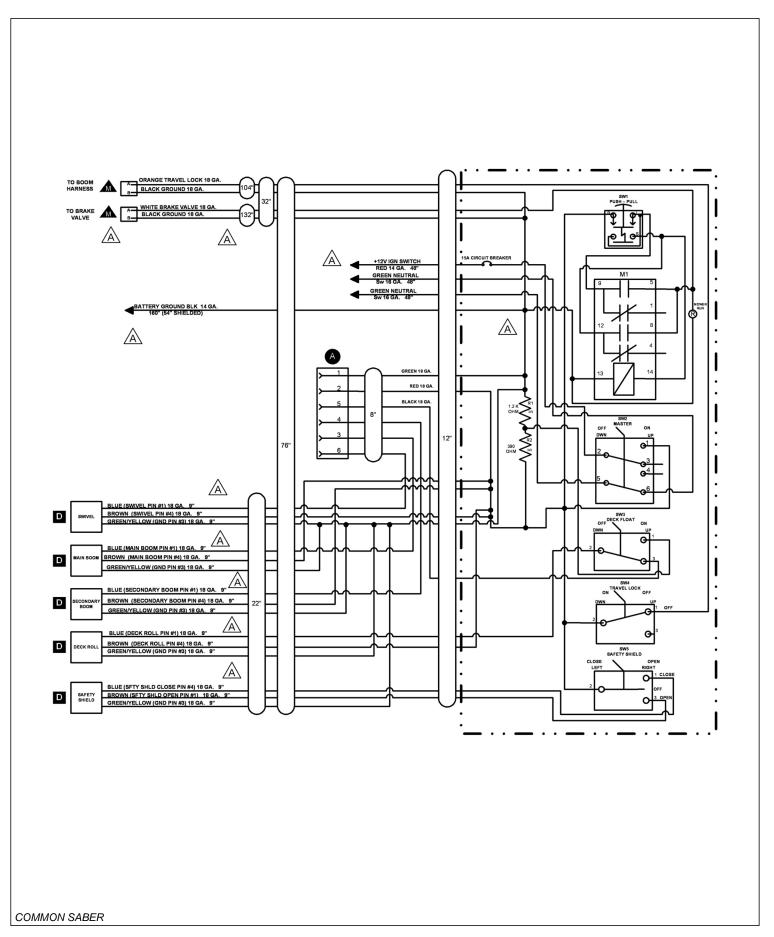


ELECTRONIC LIFT VALVE SWITCH BOX

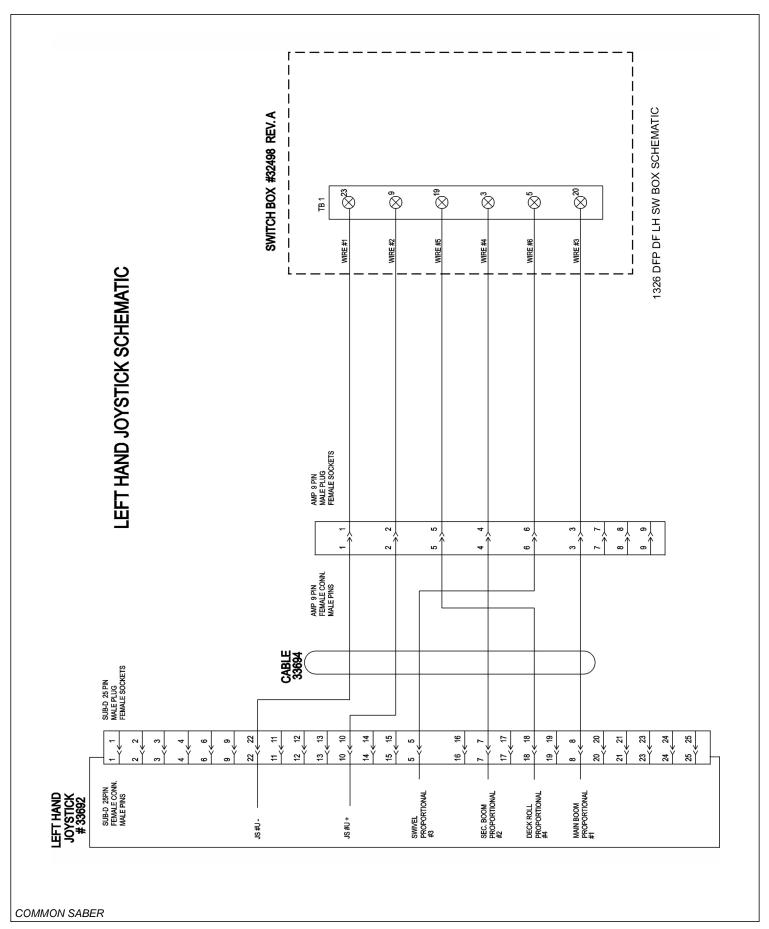


ITEM	PART NO.	QTY.	DESCRIPTION
1	06510196	1	SWBX,ASSY
2	33811	2	SWITCH,MASTER/DECK FLOAT
3	33813	1	SWITCH,SFTY SHIELD
4	34532	1	SWITCH,TRVL LCK
5	34540	1	STRAIN RELIEF,3/4",BLACK,NYLON
6	6T3923	1	INDICTATOR LIGHT,ON,RED
7	06514006	1	BREAKER,15A,SWBX
8	06550044	1	DECAL,SWBX,06510047
9	35226	1	SWITCH,MOWER,COLEHERSEE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

ELECTRONIC LIFT VALVE SCHEMATIC



LEFT HAND JOYSTICK SWITCHBOX 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 VoltagePin #2 – Signal VoltagePin #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 VoltagePin #2 – Signal VoltagePin #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 VoltagePin #2 – Signal VoltagePin #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.

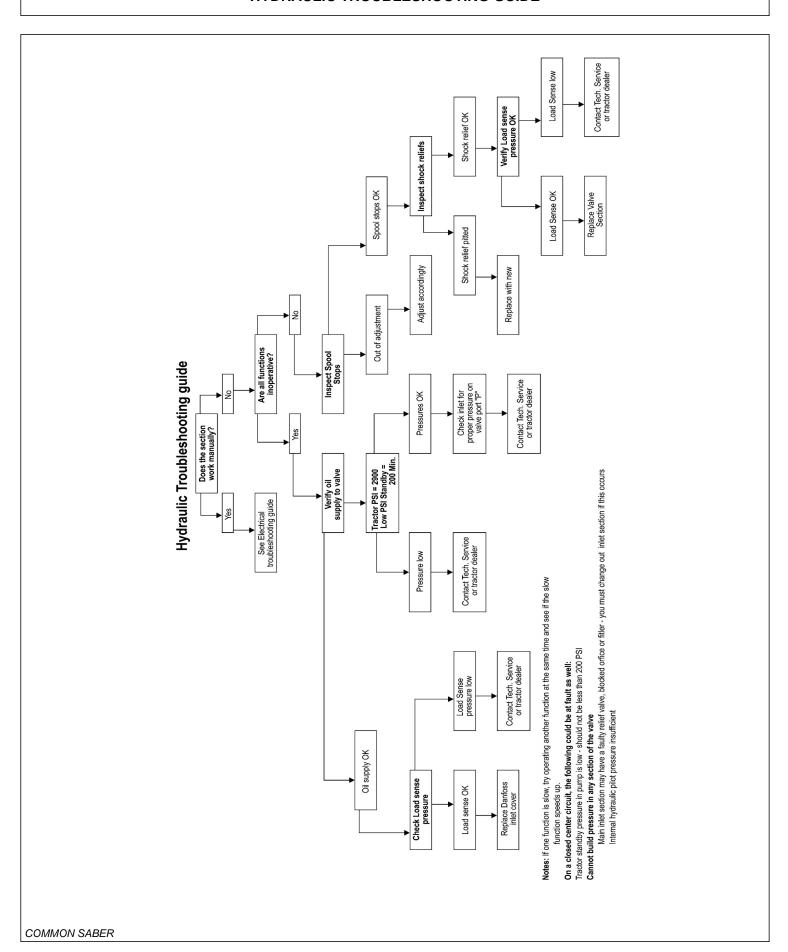
Possible hydraulic problems.

Cylinder leak.

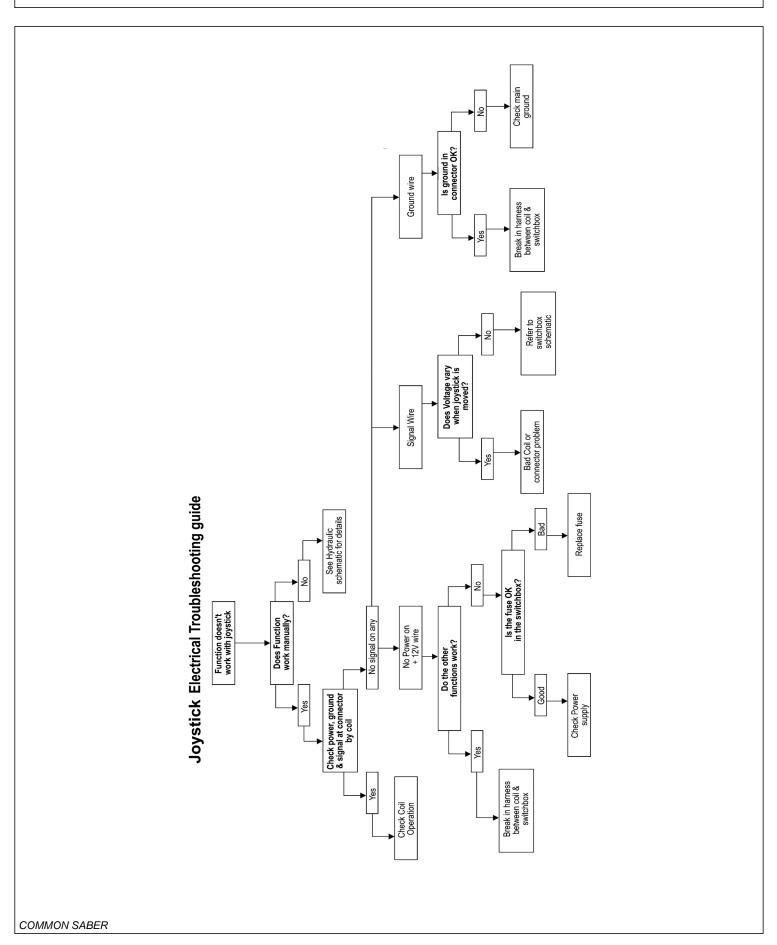
LS signal leaking to tank before reaching pump LS port.

Hydraulic system or pump not supplying flow to valve.

HYDRAULIC TROUBLESHOOTING GUIDE



ELECTRICAL TROUBLESHOOTING GUIDE



NOTES 1
NOTES
COMMON SABER

CLEAN CUTTER HEAD	
	CLEAN CUTTER
	SECTION
COMMON SABER	

CLEAN CUTTER ASSEMBLY



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



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 inpact. 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 temperary(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 adaper 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. $_{\langle SG-14\rangle}$



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. (89-4)



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 of 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 exess of 1,500 RPM. If saw blade wobbles in exess of two (2) inches while tractor is idling, STOP, remove the blade and have it repaired an 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, concerte, 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, product 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 machines 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 OF 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 serious injury or even death. Stay away until all motion has stopped and the decks are securely blocked up. (SGM-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 passers by are with in 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

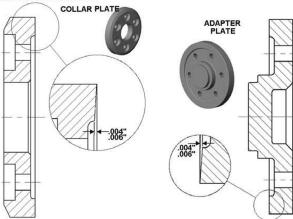
Inspect clean cutter saw before each use. Re-torque spindle bolts in an alternating pattern to 331 ft-lbs. Check for loose, broken, chipped, dull or missing teeth. Tighten all loose tooth assemblies by hammer and or replacing rivets. If teeth tips are broken, chipped, or missing, replace tip or replace 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.

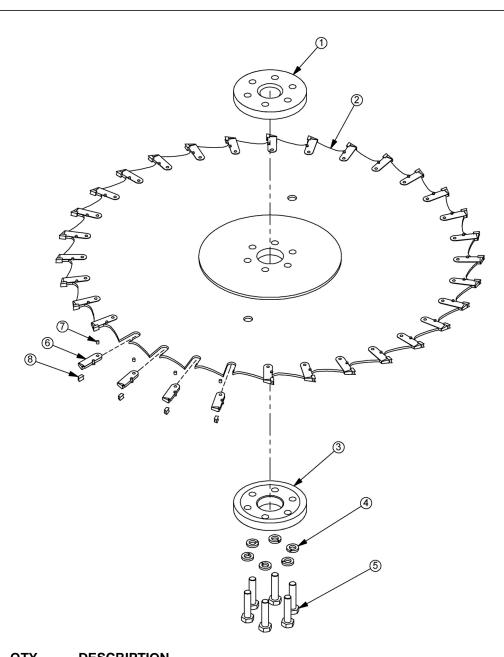
Check adapter and collar every time saw is changed, maintain the .004 to .006 inch taper (see figure below) on inside face (surface against saw blade) of these two (2) items. Always clean inside face of adapter and collar before mounting the blade. If adapter or collars are worn, chipped, or damaged,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

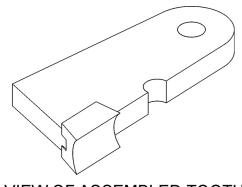


HEM	PART NO.	QIY.	DESCRIPTION
1	06420025	1	ADAPTER,SAW,SABER,RNFRCD
2	06520224	1	BLADE, 48" SAW WITH TEETH
3	06420038	1	COLLAR,SAW,SABER
4	33380	6	FLATWASHER,3/4",GR8,SAE
5	06530210	6	CAPSCREW,5/8" X 3-3/4",NF,GR 8
6	06520225	30	TOOTH WITH RIVET, SAW BLADE
7	34703	30	TOOTH RIVET, SAW BLADE
	34704	-	RIVET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

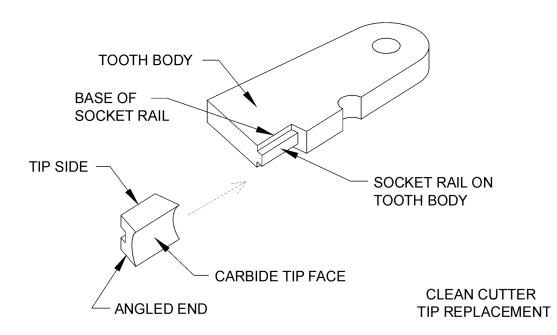
CARBIDE TIP REPLACEMENT

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.



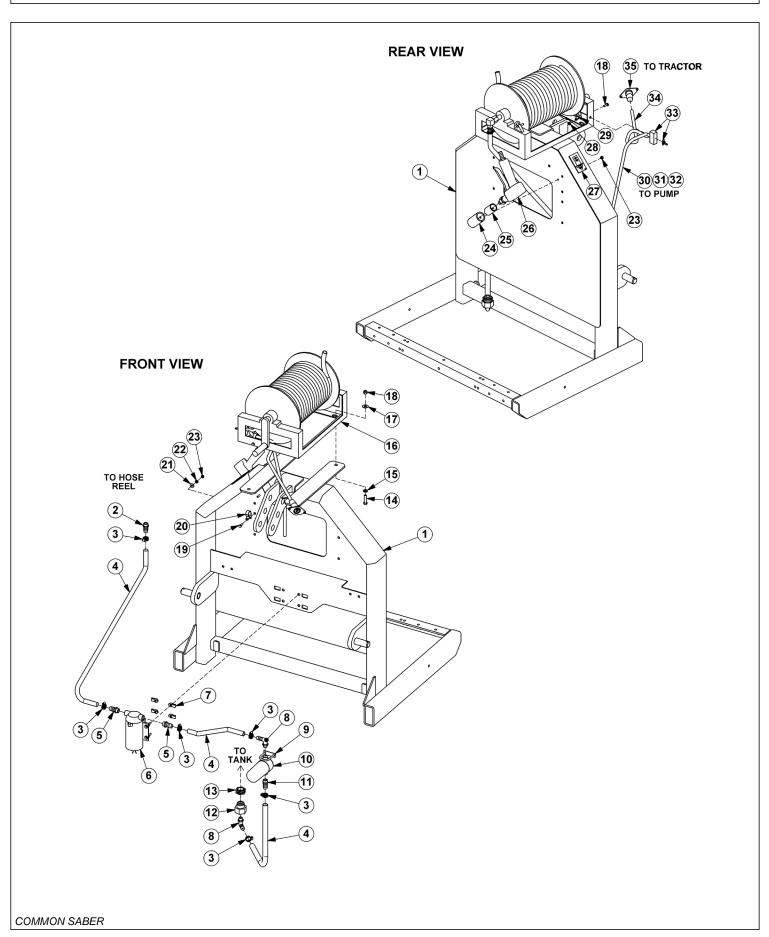
VIEW OF ASSEMBLED TOOTH



NOTES 2
NOTES
COMMON SABER

FIRE SUPPRESSION SYSTEM			
FIRE SUPPRESSION SYSTEM SECTION			
COMMON SABER			

FIRE SUPPRESSION 3-POINT MOUNT

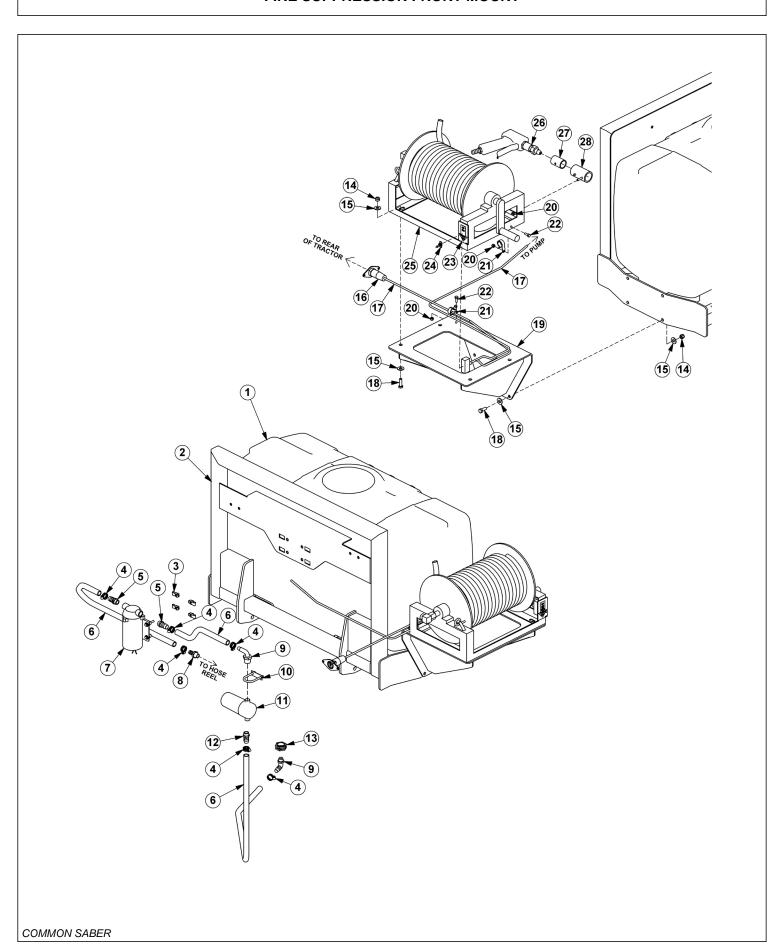


FIRE SUPPRESSION 3-POINT MOUNT

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
I			

FIRE SUPPRESSION FRONT MOUNT

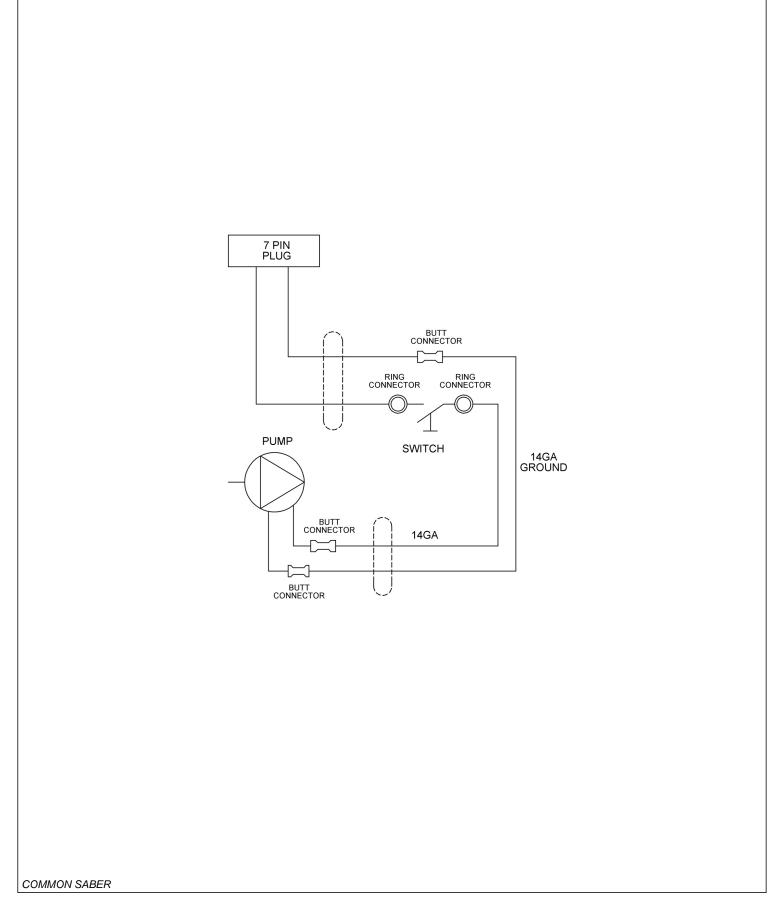


FIRE SUPPRESSION FRONT MOUNT

Continued...

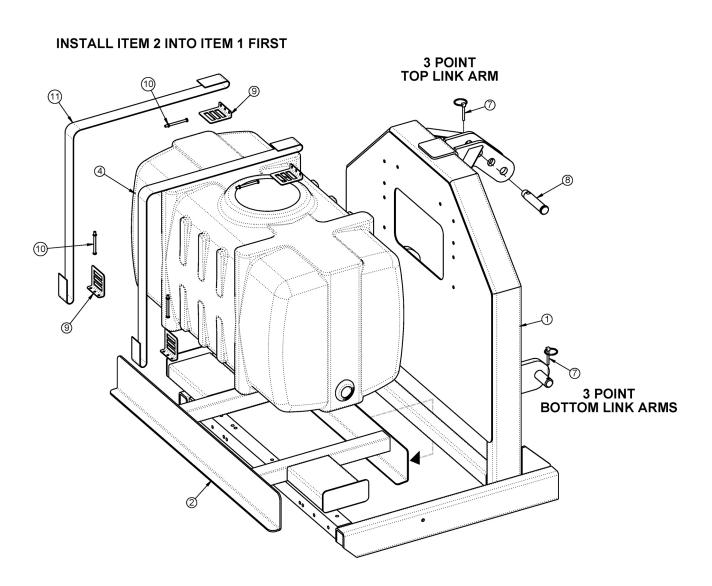
ITEM	PART NO.	QTY.	DESCRIPTION
1	06520342	1	TANK,50 GALLON
2	06370204	1	MNT,TANK,FRNT,50 GALLON
3	35176	4	U-NUT,1/4,3/4 TO CENTER
4	35091	6	CLAMP,HOSE,#6
5	06503168	2	SWIVEL,1/2 STR,POLY
6	06520469	8	HOSE,1/2,SPRAYER
7	06520359	1	PUMP,FIRE KIT
8	06503108	1	FITTING,1/2"BARB X 1/2"MP
9	06520367	2	ELBOW,1/2MPX1/2BARB,POLY
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





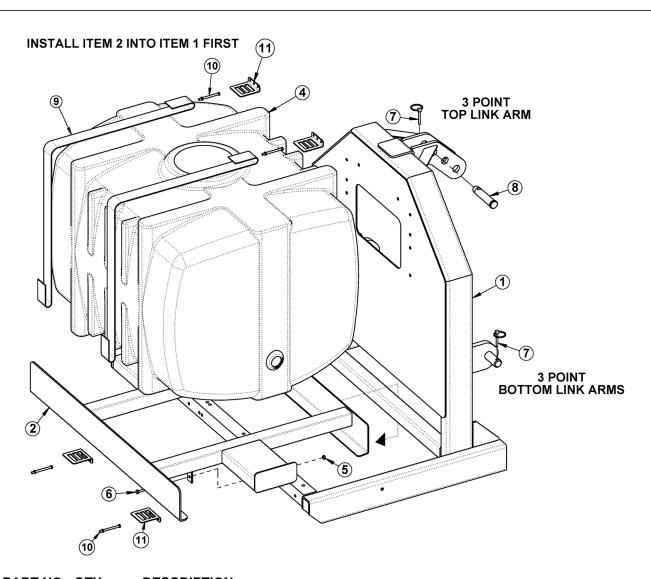
WETCUT	
	WETCUT
	SECTION
	02011011
COMMON SABER	

WETCUT 50 GALLON TANK - 3PNT MOUNT



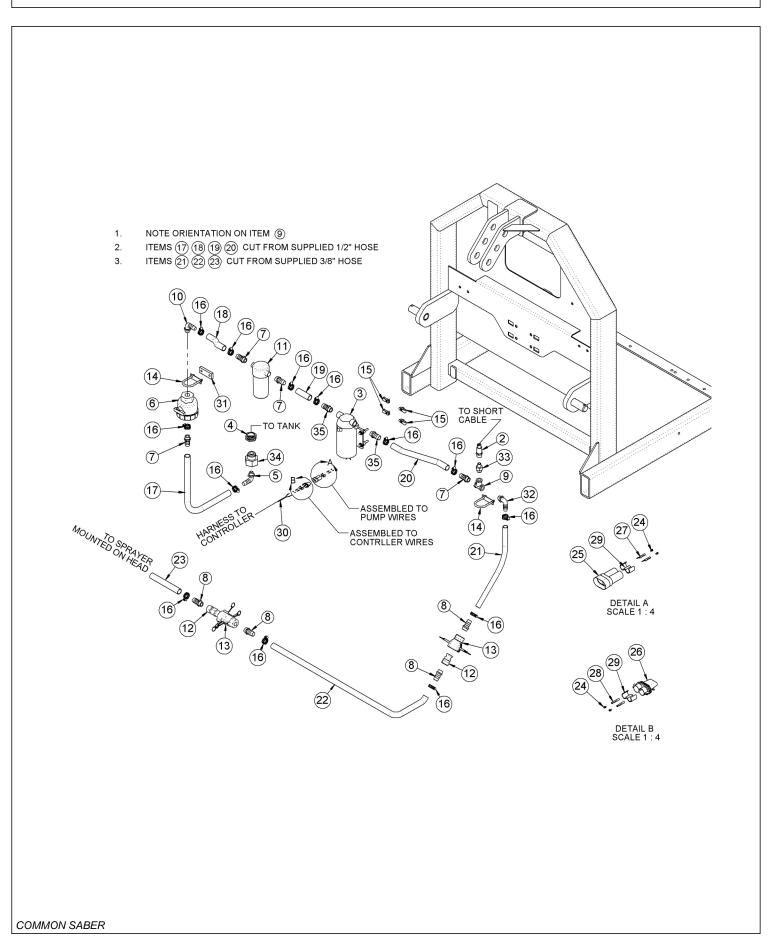
ITEM	PART NO.	QTY.	DESCRIPTION
1	06370128	1	MNT,3PNT,UNI
2	06370136	1	MNT,TANK,50GAL,WETCUT
4	06520342	1	TANK,50GA.,WETCUT
7	RD1032	3	PIN,LYNCH 1/4" X 2"
8	TB1036	1	PIN,SEC BOOM SWIV 1X4-11/16"
9	06520343	4	ANCHOR,STRAP,WETCUT
10	06520344	4	BOLT,STRAP,TANK,WETCUT
11	06520345	2	STRAP,TANK,WETCUT

WETCUT 100 OR 150 GALLON TANK - 3PNT MOUNT



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

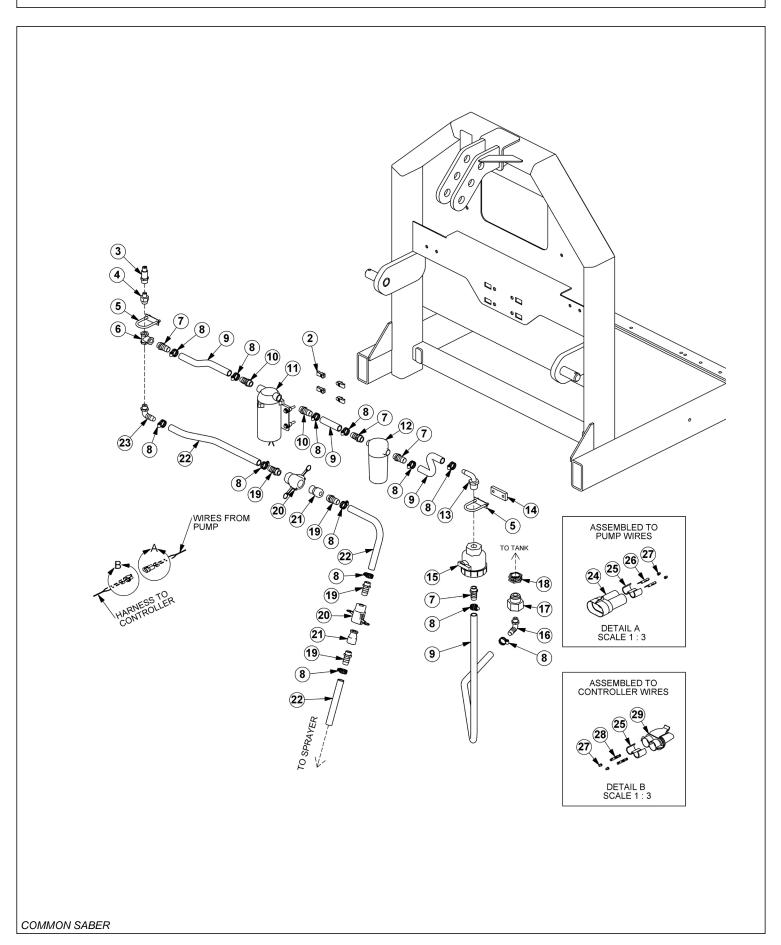


WETCUT 3PNT PLUMBING - 50IN MOWERS

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
1				

WETCUT 3PNT PLUMBING - LARGE MOWERS

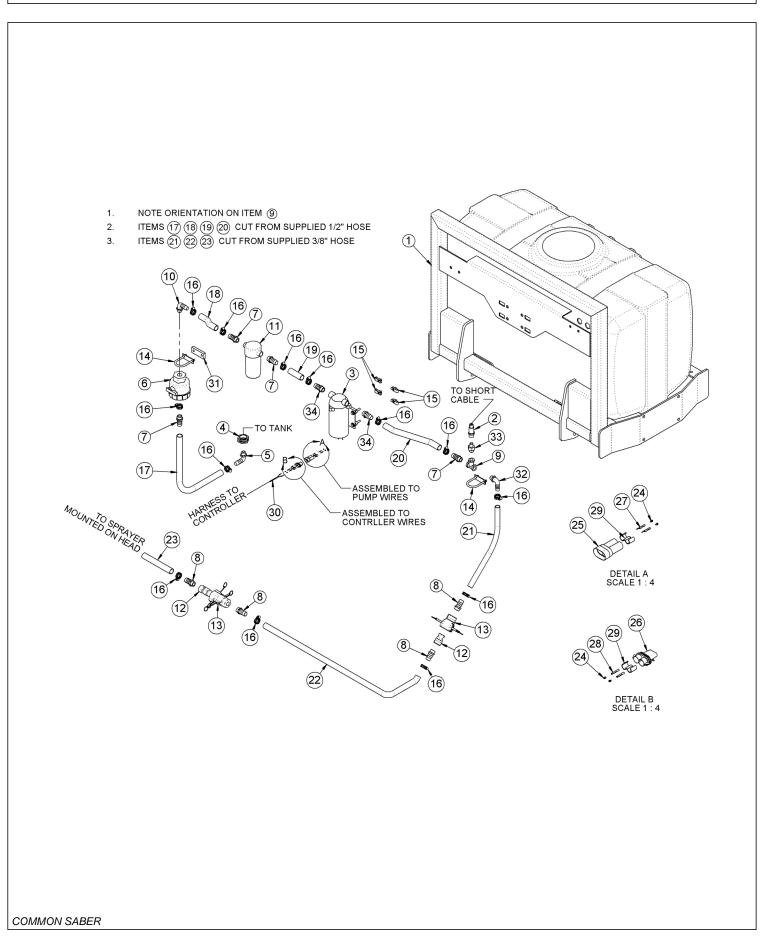


WETCUT 3PNT PLUMBING - LARGE MOWERS

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	${\tt FITTING,BULKHEAD,WETCUT~(50~GALLON~TANKS~ONLY)}$
	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
Ĺ				

WETCUT FRONT PLUMBING - 50IN MOWERS

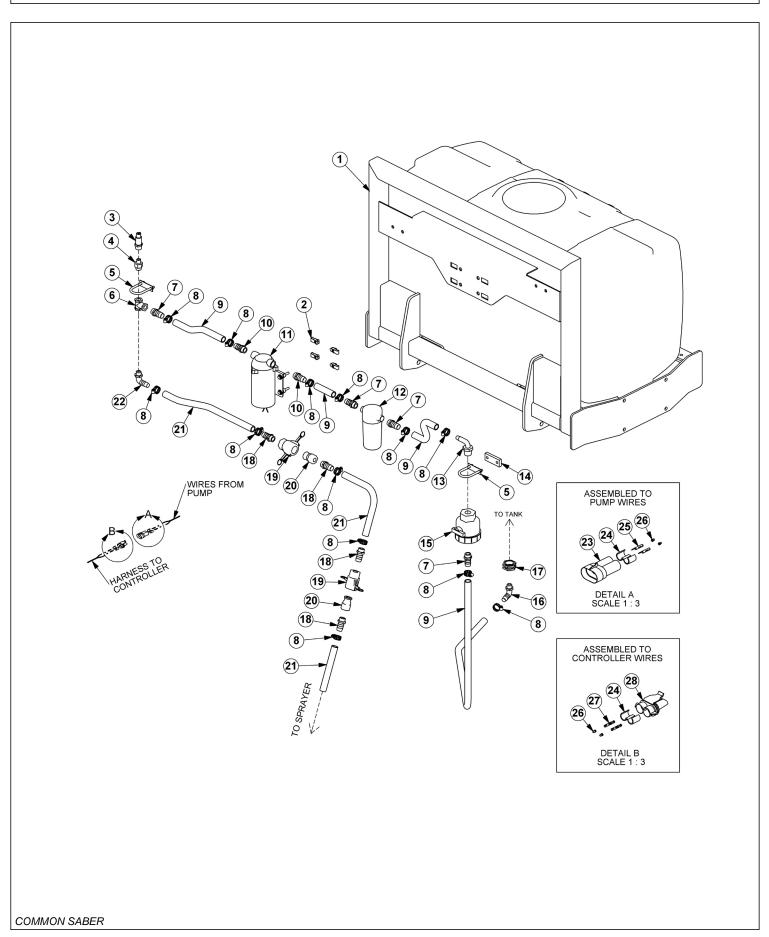


WETCUT FRONT PLUMBING - 50IN MOWERS

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

WETCUT FRONT PLUMBING - LARGER MOWERS

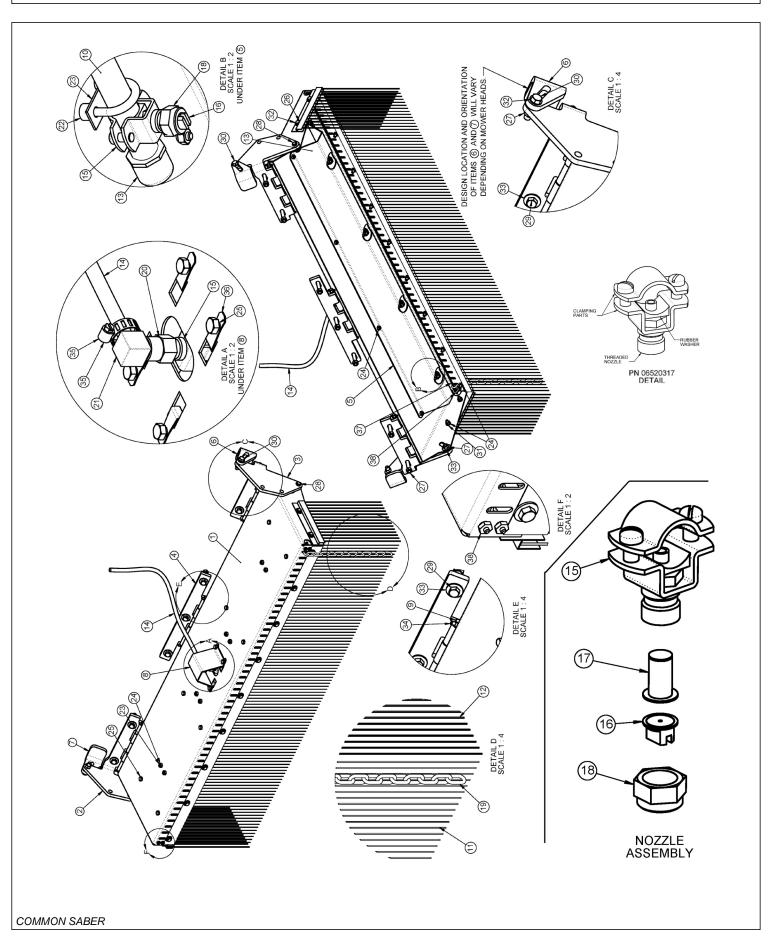


WETCUT FRONT PLUMBING - LARGER MOWERS

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

WETCUT 50IN SPRAYER HEAD ASSEMBLY

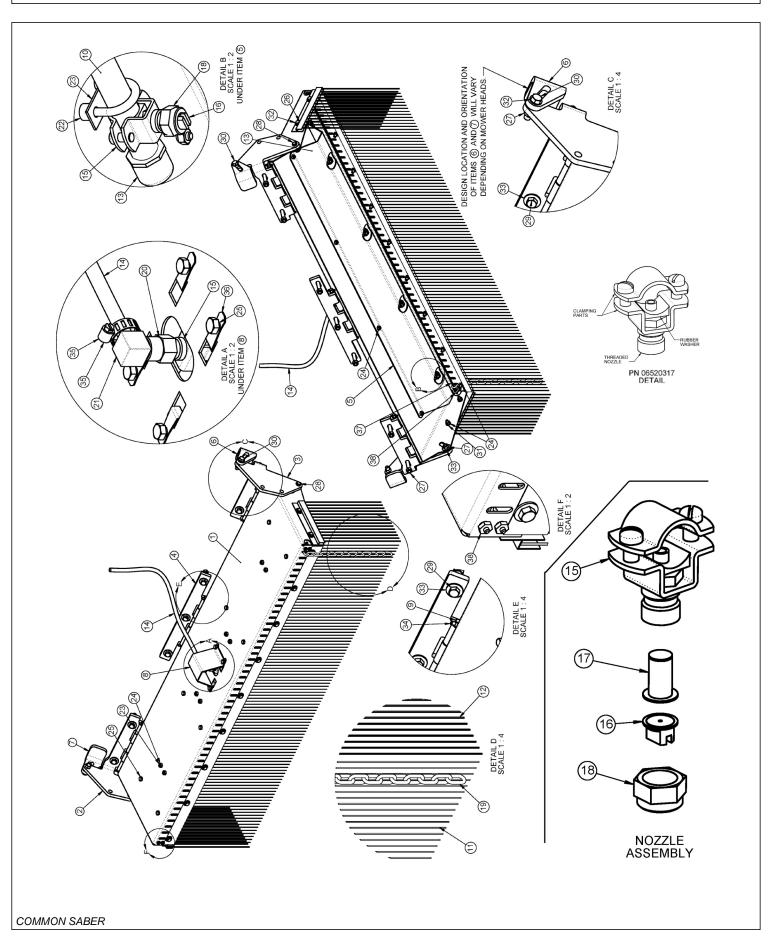


WETCUT 50IN SPRAYER HEAD ASSEMBLY

Continued...

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

WETCUT 60IN SPRAYER HEAD ASSEMBLY

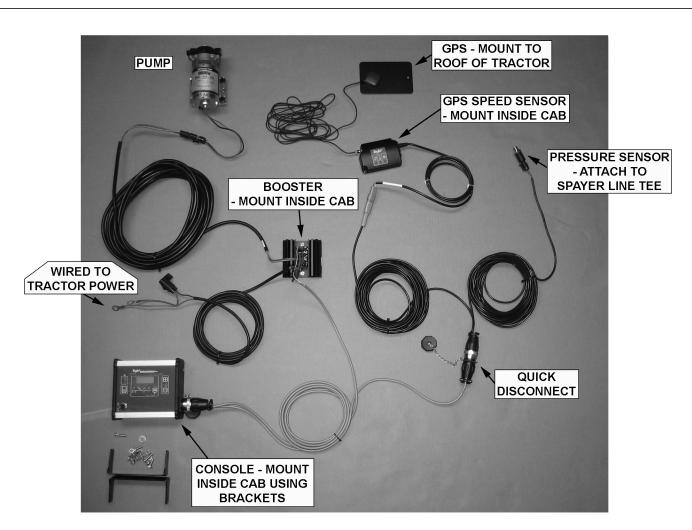


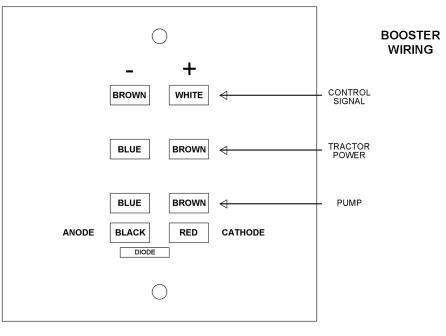
WETCUT 60IN SPRAYER HEAD ASSEMBLY

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"

WETCUT CABLES







WARRANTY INFORMATION

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

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

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

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

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

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE EXPRESSED HEREIN.

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

ONE LAST WORD

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



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

