

SCHULTE®

FLX-1510

FLEX ARM

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Part No. A105-010C

OPERATOR'S MANUAL



This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. **READ, UNDERSTAND, and FOLLOW** the Safety and Operation Instructions contained in this manual before operating the equipment. C01-Cover_S str

Important Operating and Safety Instructions are found in the Mower Safety Video that can be instantly accessed on the internet at: www.algqr.com/sve

Safety Video



www.algqr.com/sve



FC-0124

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ISO 9001



⚠ PELIGRO	⚠ DANGER
Si no puede leer inglés: antes de poner en funcionamiento este equipo, solicite que alguien le traduzca los mensajes de seguridad o vaya al sitio web para consultar los mensajes de seguridad y las etiquetas ya traducidos.	Si vous ne savez pas lire le l'anglais: avant d'utiliser l'équipement, demandez à une personne de vous traduire les messages de sécurité ou allez sur le site Internet pour voir la traduction des autocollants et des messages de sécurité.
El Manual del Operador Seguridad video    www.algqr.com/sms www.algqr.com/svs	Manuel de l'Opérateur   www.algqr.com/smf

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Manual do Operador   www.algqr.com/smp	Benutzerhandbuch   226-491 www.algqr.com/smg

Safety Video



www.algqr.com/sve

Operator's & Parts Manuals



www.algqr.com/spm

General Safety



www.algqr.com/sme

➤ **BE SAFE!**

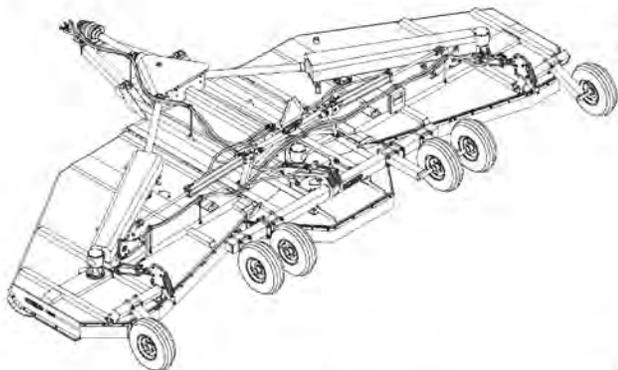
➤ **BE ALERT!**

➤ **BE ALIVE!**

➤ **BE TRAINED
before operating
the Mower!**



www.algqr.com/sve



SCHULTE

*Safety Training
Makes the Difference*

In order to reduce accidents and enhance the safe operation of mowers, *Schulte*, in cooperation with other industry manufacturers has developed the AEM/FEMA Industrial and Agricultural Mower Safety Practices video and guide book.

The video will familiarize and instruct mower-tractor operators in safe practices when using industrial and agricultural mowing equipment. It is important that Every Mower Operator be educated in the operation of their mowing equipment and be able to recognize the potential hazards that can occur while operating a mower. This video, along with the mower operator's manual and the warning messages on the mower, will significantly assist in this important education.

Your Authorized *Schulte* Dealer may have shown this video and presented you a DVD Video when you purchased your mower. If you or any mower operator have not seen this video, **Watch the Video, Read this Operator's Manual, and Complete the Video Guidebook** before operating your new mower. If you do not understand any of the instructions included in the video or operator's manual or if you have any questions concerning safety of operation, contact your supervisor, dealer or *Schulte*.

If you would like a VHS video tape of the video, please e-mail AEMVideo@alamo-group.com or Fax AEM VHS Video at (830) 372-9529 or mail in a completed copy of the form on the back of this page to AEM VHS Video 1502 E Walnut Street, Seguin, TX 78155. and request the VHS video version. Please include your name, mailing address, mower model and serial number.

Every operator should be trained for each price of equipment (Tractor and Mower), Understand the intended use, and the potential hazards before operating the equipment.

The information and material listed above along with this Operator's Manual can assist you in meeting the OSHA requirement for Operator annual training.

OSHA TRAINING REQUIREMENTS

The following training requirements have been taken from Title 29, Code of Federal Regulations Part 1928.57 (a)(6). www.osha.gov

Operator Instructions. At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee who operates an agricultural tractor or implement in the safe operating practices and servicing of equipment with which they are or will be involved, and of any other practices dictated by the work environment.

Schulte Industries Ltd. will provide one (1) AEM Mower Safety Practices Video

Please Send Me:

- VHS Format – AEM/FEMA Mower Operator Safety Video
- DVD Format – AEM/FEMA Mower Operator Safety Video
- Mower Operator's Manual
- AEM Mower Operator's Safety Manual

Requester Name: _____ Phone: _____

Requester Address: _____

City: _____

State: _____

Zip Code: _____

Mower Model: _____ Serial Number: _____

Date Purchased: _____ Dealer Salesperson: _____

Dealership Name: _____ Dealership Location: _____

Mail to:

AEM Video Services
1502 E. Walnut Street
Seguin, TX 78155

Or Fax to:

(830) 372-9529

Or email to:

AEMVideo@alamo-group.com

To the Owner/Operator/Dealer

This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the implement at all times. A Manual canister is provided on the implement where this manual can be properly stored. If you lose or damage this manual a free replacement manual can be obtained from an authorized *Schulte* dealer or by down loading the manual from the *Schulte* website www.schulte.ca

BEFORE YOU START! READ, UNDERSTAND, and FOLLOW the information provided in this manual, the AEM Mower Safety manual and the tractor operator's manual carefully to learn how to operate and service your machine properly. Failure to do so could result in personal injury to you and bystanders. All implements with moving parts are potentially hazardous. Every effort has been made to ensure that the machine is safe but operators must avoid engaging in unsafe practices and follow the written instructions provided. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

The care you give your *Schulte* Implement will greatly determine your satisfaction with its performance and its service life. Carefully read and follow the instructions in this manual to provide you with a thorough understanding of your new implement and its intended use and service requirements.

All references made in this manual to right, left, front, rear, top or bottom are as viewed facing the direction of forward travel with the implement properly attached to the tractor.

Replacement Parts information is located in a separate Parts Manual. *Schulte* mowers use balanced and matched system components for blade carriers, blades, cuttershafts, knives, knife hangers, rollers, drivetrain components, and bearings. These parts are made and tested to *Schulte* specifications. Non-genuine "will fit" parts do not consistently meet these specifications. The use of "will fit" parts may reduce mower performance, void warranties, and present a safety hazard. Use genuine *Schulte* mower parts for economy and safety.

For future reference, record your *Schulte* product model number and serial number

Dealer		Telephone		Model Number	
Owner		Purchase Date		Serial Number	

FC-0084



DEALER to CUSTOMER Pre-Delivery / Operation Instructions

Dealer should inform the Purchaser of this product of Warranty terms, provisions, and procedures that are applicable. Dealer should also inform the Purchaser to review the contents of the Operator's Manual including safety equipment, safe operation and maintenance, to review the Safety Signs on the implement (and tractor if possible) and of Purchaser's responsibility to train his/her operators in safe operation procedures..

- **IMPLEMENTS:** I have explained that Deflectors, Chain Guards, or Solid Skirts must be installed and maintained in good repair
- **DRIVELINES:** I have made certain that all driveline, gearbox, and other shields are in good repair and fastened securely in place to prevent injuries from entanglement or thrown objects.
- **HYDRAULIC MACHINES:** I have explained the necessity of using clean hydraulic oil, changing filters as instructed, stopping leaks, damage caused by operating with over-heated oil, caring for hoses, using hoses of proper rating, maintaining the specified operating pressure and the potential hazard of oil's penetrating the skin.
- **FOLDING-TYPE IMPLEMENTS:** I have explained that it is not possible to guard against thrown objects when the head is lifted off ground and that operator is responsible to watch out for persons in the area. I have explained that the lifted mower head or boom can contact overhead obstructions with damage to cables and telephone lines and possible injury. I have explained that the extended head or boom or retracted boom can contact power lines with resulting electrocution, injury or death and that operator is responsible for keeping clear of such hazards.

PRE-DELIVERY SERVICE

CHECK AND ADJUST OR LUBRICATE AS REQUIRED

See Operator's Manual for Details

Inspection Performed - Warranty and Safety Procedures Explained - Installation Complete

LUBRICATION & HYDRAULICS

- Gearbox (Oil Levels)
- Hydraulic Oil Level (External Tank)
- Tractor Hydraulic Oil Level
- Hydraulic Hoses (Not Kinked Tighten Connections)
- Front Pump Drive (Assembly Is Tight And Shaft Properly Aligned)

MOWER

- Spindle And Motor Bolts Properly Torqued
- Spindle Oil Level
- Blade Carrier Bolts Properly Torqued/Retaining Pin In Place
- Mower Cutting Height And Level Adjusted
- Cutting Shaft Bearings Lubricated
- All Hardware Properly Torqued
- Tire and Air Pressure/Lug Nuts (Correct Torque)
- Wheel Bearings (Check, Grease, and Preload)

ATTACHMENTS & INSTALLATION

- Deflectors Front And Rear
- Shredding Attachments
- Correct Blade Rotation Direction
- Axle Arms And Beams
- Tongue And Control Rods (Installed And Adjusted)
- All Bolts - Pins And Nuts (Proper Torque)

MOWER TO TRACTOR CONNECTIONS

- Draw Bar Length (Check And Set)
- A-Frame Pivot & Links
- Control Rods (Adjusted Equal)
- Axle Height (Adjusted)
- Cutting Height (Adjust)
- Mount Kit-Pre-Operation Check Complete
- Mower Wing (Adjust Level With The Center)
- Mower Wing (Check For Proper Raising Operation)
- C.V. Drivelines (Check Max Turn Radius)

- Pull Type Hitch (Height Adjustment)

- Mounting Hardware Properly Torqued

SAFETY ITEMS

- Protective Shields (Operation And Installation)
- Driveline Clutch (Torque Limiter) (Adjust And Run In)
- Safety Decals (Installed)
- Operator's Manual (Supplied)
- Tractor PTO Shield (Installed)
- S.M.V. Emblem (Installed If Needed)
- Tongue Jack (Installation and Operation)
- Safety Tow Chain (Installed)
- ADMA Driveline Safety Manual Supplied
- AEM Mower Safety Manual (Supplied in Canister)
- AEM Mower Safety Video has been shown to Purchaser

Table of Contents

SAFETY SECTION	1 - 1
GENERAL SAFETY INSTRUCTIONS AND PRACTICES	1 - 2
OPERATOR SAFETY	1 - 3
CRUSHING HAZARDS.....	1 - 4
CONNECTING OR DISCONNECTING IMPLEMENT SAFETY	1 - 5
THROWN OBJECTS HAZARDS	1 - 6
PTO ENTANGLEMENT HAZARDS	1 - 9
MOWER BLADE CONTACT HAZARDS	1 - 10
HIGH PRESSURE OIL LEAK HAZARDS	1 - 11
ELECTRICAL FIRE HAZARDS	1 - 12
TRANSPORTING HAZARDS	1 - 13
HAZARDS WITH MAINTENANCE OF IMPLEMENT	1 - 14
PARTS INFORMATION.....	1 - 15
DECAL LOCATION.....	1 - 15
DECAL DESCRIPTION	1 - 18
INTRODUCTION SECTION.....	2 - 1
EQUIPMENT SPECIFICATIONS	2 - 4
KEY OPERATION POINTS	2 - 4
Operating Noise Level/Sound Pressure	2 - 4
ASSEMBLY SECTION.....	3 - 1
INITIAL ASSEMBLY AND ATTACHMENT TO TRACTOR.....	3 - 2
Connect the Flex Arm to a Tractor	3 - 3
Safety Tow Chain	3 - 4
Lock the Caster Wheels	3 - 5
Configure the FLEX-ARM for use with a 10' Rotary Cutter	3 - 6
Adjust the Castor Springs	3 - 7
Check Tire Pressure.....	3 - 7
CONNECTING THE FLEX-ARM TO A ROTARY CUTTER.....	3 - 7
Connect Hydraulic Lines to the Tractor	3 - 7
Connecting the FLEX-ARM to a Rotary Cutter.....	3 - 8
Install Arm Mount on Rotary Cutter	3 - 9
Connect Hydraulic Lines between the FLEX-ARM and Rotary Cutter	3 - 10
Installing Selector Valve Kit.....	3 - 11
Selector Valve Switch Box	3 - 12
Connect Lights.....	3 - 12
INSTALL THE DRIVELINE BETWEEN THE ROTARY CUTTER AND THE FLEX-ARM.....	3 - 12
Relocate the Rotary Cutter CV Driveline to the FLEX-ARM	3 - 13
Driveline Shield.....	3 - 13
INSTALL STOP BLOCKS (OPTIONAL)	3 - 14
Pre-Delivery Checklist	3 - 14

Table of Contents

OPERATION SECTION	4 - 1
OPERATOR REQUIREMENTS	4 - 3
TRACTOR REQUIREMENTS	4 - 4
ROPS and Seat Belt	4 - 4
Tractor Safety Devices	4 - 4
Drawbar	4 - 5
Tractor Hydraulics	4 - 5
Front End Weight.....	4 - 5
Power Take Off (PTO).....	4 - 6
Tire Spacing	4 - 6
GETTING ON AND OFF THE TRACTOR	4 - 7
Boarding the Tractor	4 - 7
Dismounting the Tractor	4 - 7
STARTING THE TRACTOR	4 - 8
CONNECTING THE FLEX-ARM TO THE TRACTOR.....	4 - 9
Connecting Mower Hydraulic Lines to the Tractor.....	4 - 9
SETTING THE MOWER	4 - 10
Setting Deck Height.....	4 - 10
Setting Deck Pitch	4 - 10
DRIVELINE ATTACHMENT	4 - 11
Constant Velocity (CV) Driveline	4 - 11
PRE-OPERATION INSPECTION AND SERVICE	4 - 13
Tractor Pre-Operation Inspection/Service.....	4 - 14
Mower Pre-Operation Inspection/Service.....	4 - 14
DRIVING THE TRACTOR AND IMPLEMENT	4 - 22
Starting the Tractor.....	4 - 23
Brake and Differential Lock Setting	4 - 23
Operating the Mower Wings	4 - 23
Operating Position	4 - 24
Driving the Tractor, FLEX-ARM and Rotary Cutter	4 - 24
Correctly Crossing Ditches and Inclines	4 - 26
OPERATING THE TRACTOR, FLEX-ARM AND MOWER	4 - 27
Foreign Debris Hazards.....	4 - 28
Bystanders/Passersby Precautions.....	4 - 28
Engaging the Power Take Off (PTO).....	4 - 29
Operating the Flex-Arm and Mower	4 - 30
Shutting Down the Implement	4 - 33

Table of Contents

DISCONNECTING THE FLEX-ARM & MOWER FROM THE TRACTOR	4 - 34
FLEX-ARM AND MOWER STORAGE	4 - 35
TRANSPORTING THE TRACTOR AND IMPLEMENT	4 - 35
Transporting on Public Roadways	4 - 36
HAULING THE TRACTOR, FLEX-ARM AND MOWER	4 - 41
TROUBLESHOOTING GUIDE	4 - 41
MAINTENANCE SECTION	5 - 1
HAZARDS WITH MAINTENANCE OF IMPLEMENT	5 - 2
LUBRICATION	5 - 4
Gearboxes	5 - 4
Universal Joint Assemblies	5 - 6
Frame	5 - 6
MAINTENANCE	5 - 7
Nuts and Bolts	5 - 7
TIRES	5 - 8
HUBS AND SPINDLES	5 - 9
Greasing and Installation	5 - 9
Tightening Instructions for 618 Hubs	5 - 10
HYDRAULICS	5 - 10
Replacing Nylatron Bushings in the Castor Pivot Sleeves	5 - 10

SAFETY SECTION

Safety Section 1-1

SAFETY

GENERAL SAFETY INSTRUCTIONS AND PRACTICES

A careful operator is the best operator. Safety is of primary importance to the manufacturer and should be to the owner/operator. Most accidents can be avoided by being aware of your equipment, your surroundings, and observing certain precautions. The first section of this manual includes a list of Safety Messages that, if followed, will help protect the operator and bystanders from injury or death. Read and understand these Safety Messages before assembling, operating or servicing this Implement. This equipment should only be operated by those persons who have read the manual, who are responsible and trained, and who know how to do so responsibly.



The Safety Alert Symbol combined with a Signal Word, as seen below, is used throughout this manual and on decals which are attached to the equipment. The Safety Alert Symbol means: "ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!" The Symbol and Signal Word are intended to warn the owner/operator of impending hazards and the degree of possible injury faced when operating this equipment.

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



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



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



Indicates a hazardous situation that, if not avoided, MAY result in MINOR OR MODERATE INJURY.



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



Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

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

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



Pictographs are used throughout this manual to help bring your visual attention to safety issues.

SAFETY HAZARD	SAFETY AVOIDANCE	SAFETY PREVENTION
<p>Pictograph surrounded by a triangle indicates a Safety Hazard that must be avoided.</p> <p><i>Example:</i></p> <p>Equipment contacting overhead electrical lines</p>	<p>Pictograph in a circle with blue or black background, by itself or inside a box, indicates an avoidance procedure or action that should be followed to prevent injuries.</p> <p><i>Example:</i></p> <p>Wear safety footwear. Always shut off engine and remove key before working on equipment.</p>	<p>A circle with a slash through it indicates an action that is prohibited.</p> <p><i>Example:</i></p> <p>No Smoking</p>

NOTE: If you want a translation of this safety section in one of the following Languages, please contact: Translations at 1502 E. Walnut Street Seguin, TX 78155; Fax: (830) 372-9529; Safety Section Translations are available in Spanish, Portuguese, French, German, Russian. GS01str

SAFETY

SAFETY

OPERATOR SAFETY

				
Read and understand Operator's Manual	Always wear Safety Glasses with side shields marked to comply with ANSI Z87	Wear Hard Hat Safety Shoes	Never use Drugs or Alcohol when operating equipment	Wear Safety Vest when operating on or near roads

⚠ WARNING

TO AVOID DEATH OR SERIOUS INJURY DO THE FOLLOWING:

- **READ, UNDERSTAND** and **FOLLOW** Operator's Manual instructions, Warnings and Safety Messages.
- **WEAR SAFETY GLASSES** with side shields (marked with ANSI Z87), safety shoes, hard hat, hearing protection and gloves when operating or repairing equipment.
- **WEAR** appropriate breathing respirator when operating in dusty conditions to avoid respiratory diseases.
- **DO NOT WEAR** loose clothing or jewelry to avoid rotating parts entanglement injury.
- **DO NOT USE DRUGS** or **ALCOHOL** before or while operating equipment.
- **DO NOT ALLOW** anyone to operate equipment under the influence of drug or alcohol.
- **CONSULT** medical professional for medication impairment side effects.
- **STAY ALERT**, prolonged operation can cause fatigue, **STOP** and **REST**.

GENERAL OPERATING SAFETY

VISIBILITY CONDITIONS WHEN MOWING:

- **OPERATE IN DAYLIGHT** or with lights that gives at least 100 yards clear visibility.
- **BE ABLE TO SEE** and identify passersby, steep slopes, ditches, drop-offs, overhead obstructions, power lines, debris and foreign objects.

GROUND SPEED WHEN MOWING:

- **NORMAL SPEED** range is between 2 to 5mph.
- **ADJUST MOWING SPEED** for terrain conditions and grass type, density and cut height.
- **REDUCE MOWING SPEED** when near steep slopes, ditches, drop-offs, overhead obstructions, power lines and to avoid debris and foreign objects.

INSECT INFESTATION

- Do Not operate in areas where bees or insects may attack unless you **WEAR PROTECTIVE CLOTHING** or use enclosed tractor cab.
- **PTO SDO NOT EXCEED IMPLEMENT RATED PTO SPEED**

PTO SPEED:

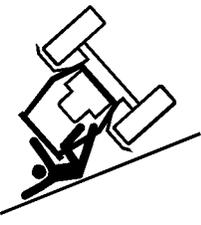
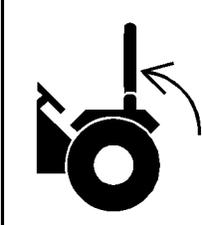
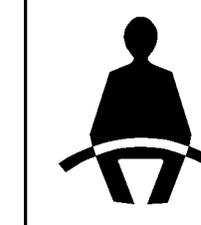
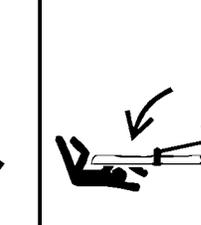
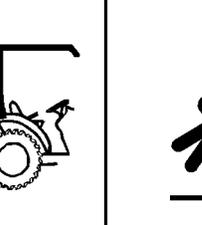
- **AVOID** exceeding rated PTO speeds that may result in broken drivelines or blade failures.

SAFETY SIGNS:

- **REPLACE** missing, damaged or unreadable safety signs immediately. *PN OS01 str*

SAFETY

CRUSHING HAZARDS

				
Crushing injury from roll over	Lock ROPS in up position	Always wear seatbelt	Crushing injury implement falling	Crushing injury wing falling

⚠ DANGER

TO AVOID DEATH OR SERIOUS INJURY FROM FALLING OFF TRACTOR, EQUIPMENT RUN OVER, ROLLOVER AND CRUSHING BY FALLING WING OR IMPLEMENT:

- **USE ROPS** and **SEAT BELT** equipped tractors for mowing operations.
- **KEEP ROPS** lock in up position.
- **ALWAYS BUCKLE UP** seat belt when operating tractor and equipment.
- **ONLY OPERATE** tractor and equipment while seated in tractor seat.
- **IN CASE OF EMERGENCY**, shut down tractor engine, disengage the PTO and wait for all rotating motion to stop. Place the tractor in park position, engage the parking brake and remove the key before leaving the operator's seat.

WHEN RAISING OR LOWERING IMPLEMENT:

- Raise or lower **ONLY WHILE SEATED** in tractor seat with seat belt buckled.
- Raise or lower **ONLY** when implement tongue is securely attached to tractor drawbar **TO AVOID** implement tip over.
- **KEEP BYSTANDERS CLEAR** of area **TO AVOID** crushing.

LIFTED Equipment can fall from mechanical or hydraulic failure or inadvertent Control Lever movement.

⚠ WARNING

TO AVOID EQUIPMENT FALLING while working near or under lifted wings, components and implements raised by 3-Pointed tractor hitch:

- **SECURELY SUPPORT** or block up raised equipment and components.
- **BLOCK UP** and **securely support equipment before putting hands, feet or body under raised equipment or lifted components.**
- **KEEP BYSTANDERS CLEAR** of folded wings until wings are blocked or locked up.

WHEN PARKING Implement and Tractor:

- **LOWER** implement, **LOCK** or **BLOCK** lifted parts before leaving equipment.
- **NEVER** leave implement unattended in a raised position.

⚠ WARNING

TO AVOID CHILDREN FALLING OFF OR BEING CRUSHED BY EQUIPMENT:

- **NEVER ALLOW** children to play on or around Tractor or Implement.

WHEN UNHITCHING IMPLEMENT:

- **LOWER** implement, **LOCK** or **BLOCK** lifted parts before leaving equipment.
- **USE** tongue jack to control implement tongue movement.
- **USE** tongue **JACK** to lift heavy implement tongues.
- **AVOID** overloading jack to prevent jack failure and injury. *(Refer to Instructions in Operation Section)*

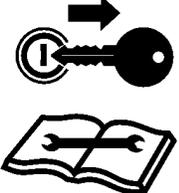
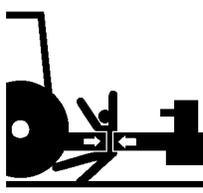
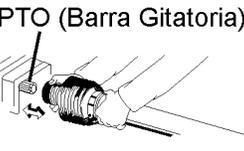
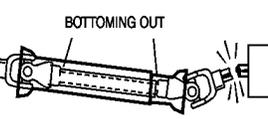
BEFORE REMOVING Wing Retaining Lock:

- **ATTACH** hoses to tractor.
- **FILL** Wing Cylinders with oil. *(Refer to Instructions in Operation Section)*
- **KEEP** bystanders away before operating wings.
- **KEEP** bystanders away before operating wings.
- **LOWER WINGS** slowly and carefully. *PN CH01 str*

SAFETY

SAFETY

CONNECTING OR DISCONNECTING IMPLEMENT SAFETY

				
<p>Stop Tractor Remove Key Read Manual</p>	<p>Crushing injury between tractor and implement</p>	<p>Crushing injury wing falling</p>	<p>Make sure PTO shaft is securely attached to tractor</p>	<p>Make sure PTO shaft are proper length</p>



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

WHEN BACKING tractor to implement hitch:

- **DO NOT ALLOW BYSTANDERS** between tractor and implement

BEFORE connecting and disconnecting implement hitch:

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

WHEN connecting and disconnecting implement hitch:

- **DO NOT** crawl or walk under raised mower or wing.
- **USE** tongue **JACK** to lift heavy implement tongues to control implement tongue movement.
- **AVOID** overloading jack to prevent jack failure and injury.

WHEN CONNECTING IMPLEMENT DRIVELINE:

TO AVOID implement driveline coming loose during operation:

- **LUBRICATE** yoke spring locking collar to ensure it freely slides on PTO shaft
- **SECURELY** seat yoke locking balls in PTO shaft groove
- **PUSH** and **PULL DRIVELINE** on both the tractor and implement **PTO SHAFTS** to ensure it is **SECURELY ATTACHED**

TO AVOID broken driveline during operations:

- **CHECK** driveline for proper length between PTO shaft and implement gearbox shaft.
- Drivelines too short can pull apart or disengage.
- Drivelines too long can bottom out.
- Bottoming driveline telescoping assembly will stop sliding and become solid.
- Driveline bottoming can push through support bearings and break off PTO shaft.

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

- **DO NOT USE PTO ADAPTER.**
Using a PTO adapter can cause:
 - Excessive vibration, thrown objects, blade and implement failures by doubling operating speed.
 - Increased working length exposing unshielded driveline areas and entanglement hazards.

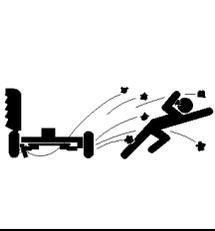
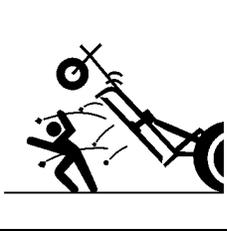
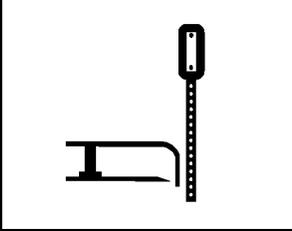
BEFORE REMOVING WING RETAINING LOCKS:

- **ATTACH** hoses to tractor.
- **FILL** Wing Cylinders with oil. (*Refer to Instructions in Operation Section*)
- **KEEP** bystanders clear of area before operating wings.
- **LOWER WINGS** slowly and carefully.

DO NOT connect the Mower to a tractor with the PTO directly connected to the Tractor transmission. *PN CD01 str*

SAFETY

THROWN OBJECTS HAZARDS

				
Mower Thrown Objects Hazard	Raised Mower Thrown Objects	Raised Mower Thrown Objects	Inspect Area remove foreign objects	Do not let blades contact solid objects



ROTARY MOWERS CAN THROW OBJECTS 300 FEET OR MORE UNDER ADVERSE CONDITIONS.

TO AVOID DEATH OR SERIOUS INJURY TO OPERATOR OR BYSTANDERS FROM THROWN OBJECTS:

- KEEP bystanders 300 feet away

STOP MOWING IF PASSERSBY ARE WITHIN 300 FEET UNLESS:

- **All THROWN OBJECT SHIELDING** including, Front and Rear Deflectors, Chains Guards, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- Mower sections or wing are adjusted to be close and parallel to ground without exposing blades.
- **MOWING AREA** has been inspected and foreign materials and debris have been removed.
- **PASSERSBY** are inside enclosed vehicle.

INSPECT AREA FOR POTENTIAL THROWN OBJECTS BEFORE MOWING:

- **REMOVE** debris, rocks, wire, cable, metal objects and other foreign material from area.
Wire, cable, rope, chains and metal objects can be thrown or swing outside deck with great velocity:
DO NOT allow the mower blades to contact decaying animal carcasses or other hazardous materials. The mower blades could throw hazardous and biologic material out from under mower exposing the operator and bystanders to health risks. Always wear required OSHA approved Personal Protective Equipment (PPE) when cleaning or removing potentially hazardous material from equipment.
 1. **MARK** objects that cannot be removed.
 2. **AVOID** these objects when mowing.

HIGH GRASS and WEED AREA INSPECTION:

- **INSPECT** for and **REMOVE** any hidden large debris.
- **MOW** at Intermediate height.
- **INSPECT** and remove remaining debris.
- **MOW** at final height.

MOWER THROWN OBJECT SHIELDING:

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

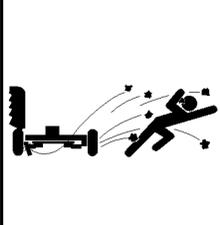
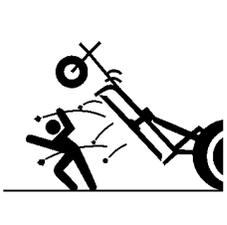
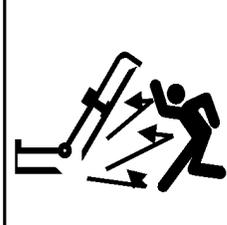
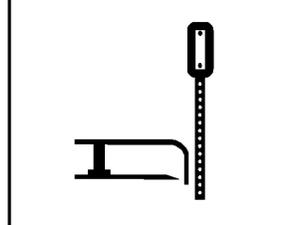
RIGHT OF WAY (Highway) MOWING

- **USE DOUBLE CHAIN GUARDS** for highway, right-of-way, parks or greenbelt mowing or all other mowing where human dwellings, vehicles, or livestock could be within 300 feet of the mower.
- No shielding is 100% effective in preventing thrown objects. To Reduce Possibility of Injury:
 1. **MAINTAIN MOWER SHIELDING**, side skirts, skid shoes, and blades in good operational condition,
 2. **RAISE CUTTING HEIGHT to 6 INCHES** minimum,
 3. **INSPECT AREA** thoroughly before mowing to **REMOVE** potential **THROWN OBJECT HAZARDS**,
 4. **NEVER ALLOW BLADES to CONTACT SOLID OBJECTS** like wire, rocks, post, curbs, guardrails, or ground while mowing. *PN TO01 str*

SAFETY

SAFETY

THROWN OBJECT HAZARDS (CONT.)

				
Mower Thrown Objects Hazard	Raised Mower Thrown Objects	Raised Mower Thrown Objects	Inspect Area remove foreign objects	Do not let blades contact solid objects

MOWER OPERATION:

- **DO NOT** exceed mower's rated Cutting Capacity or cut non-vegetative material.
- **USE ENCLOSED TRACTOR CABS** when two or more mowers are operating in mowing area.
- Do Not mow in areas where bees or insects may attack unless you **WEAR PROTECTIVE CLOTHING** or use enclosed tractor cab.
- **ADJUST** mower sections or wing close and parallel to ground without exposing blades.
- **ADJUST** cutting **HEIGHT** to **AVOID BLADE CONTACT** with solid objects like wire, rocks, posts, curbs, guardrails and fixed obstructions.
- **DO NOT** operate mower when mower wing(s) is raised or in transport position.
- **STOP MOWING** immediately if blades strike heavy objects, fixed structures, metal guard rails and concrete structures. Shut down tractor engine, disengage the PTO and wait for all rotating motion to stop. Place the tractor in park position, engage the parking brake and remove the key before leaving the operator's seat:
 1. **BLADES CAN FAIL** from impact and objects can be thrown with great velocity.
 2. **INSPECT** and **REPLACE** any damaged blades.
 3. **CHECK** blade carrier and **REPLACE** if damaged.
- **DO NOT** mow in standing water **TO AVOID** possible **BLADE FAILURE**.
- **AVOID MOWING** in reverse:
 1. **STOP PTO** and back up mower.
 2. **LOWER** mower, engage **PTO** and mow forward.
- **STOP PTO** and **BLADES** when raising wings or the mower to transport position.
- **DO NOT ENGAGE PTO** with mower in transport position.
- **STOP** mowing when **EXCESSIVE VIBRATION** occurs:
 1. **STOP PTO** and tractor **ENGINE**.
 2. **INSPECT** mower for vibration source.
 3. **REPLACE** any damage parts and bent or damaged **BLADES**. *PN TO01-X*

SAFETY

SAFETY

RUN OVER HAZARDS

		
Operator run over hazard	Rider fall off run over hazard	Rider fall off run over hazard



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

- **USE ROPS** and **SEAT BELT** equipped tractors for mowing operations.
- **KEEP ROPS** locked in **UP** position.
- **ONLY start tractor while seated in tractor seat.**
- **ALWAYS BUCKLE UP** seat belt when operating tractor and equipment.
- **ONLY OPERATE** tractor and equipment while seated in tractor seat.
- **NEVER ALLOW RIDERS** on tractor or implement.

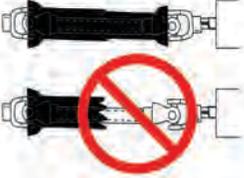
WHEN MOUNTING AND DISMOUNTING TRACTOR:

- **ONLY mount or dismount when tractor and moving parts are stopped.**
- **STOP ENGINE AND PTO**, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. *PN RO01 str*

SAFETY

SAFETY

PTO ENTANGLEMENT HAZARDS

	 <p>PTO (Barra Gitatoria)</p>		 <p>BOTTOMING OUT</p>
<p>Entanglement hazard Do Not approach or touch a rotating PTO driveshaft</p>	<p>Make sure PTO shaft is securely attached Do Not Use PTO Adapter</p>	<p>DO NOT Operate if PTO shields are damaged or missing</p>	<p>Make sure PTO shafts are proper length</p>



KEEP AWAY FROM ROTATING DRIVELINES AND ELEMENTS TO AVOID DEATH OR SERIOUS INJURY:

STAY AWAY and **KEEP** hands, feet and body **AWAY** from rotating blades, drivelines and parts until all moving elements have stopped.

- **STOP, LOOK and LISTEN** before approaching the mower to make sure all rotating motion has stopped.
- **ROTATING COMPONENTS CONTINUE to ROTATE** after the PTO is shut off.

PTO SHIELDING:

TO AVOID SERIOUS INJURY OR DEATH FROM ENTANGLEMENT WHEN OPERATING IMPLEMENT:

- **KEEP PTO** shields, integral driveline shields and input shields installed
- **DO NOT OPERATE** mower without shields and guards in place or missing
- **REPAIR OR REPLACE** if damage, broken or missing
- **ALWAYS REPLACE GUARDS** that have been removed for service or maintenance.
- Do Not use PTO or PTO guard as a step.

TO AVOID broken driveline during operations:

- **CHECK** driveline for proper length between PTO shaft and implement gearbox shaft. (Refer to Instructions in Operation Section)
- Drivelines too short can pull apart or disengage.
- Drivelines too long can bottom out.
- Bottoming driveline telescoping assembly will stop sliding and become solid.
- Driveline bottoming can push through support bearings and break off PTO shaft
- **AVOID** sharp turns or lift mower to heights to cause driveline "knocking".
- Lubricate driveshaft-telescoping components weekly.

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

- **DO NOT USE PTO ADAPTER.**

Using a PTO adapter can cause excessive vibration, thrown objects, blade and implement failures by doubling operating speed. Increased working length exposing unshielded driveline areas. *PN PE01str*

SAFETY

MOWER BLADE CONTACT HAZARDS

		
Do not put fingers underneath mower	Do not put foot underneath Mower	Stop Tractor Remove Key Read Manual



DANGER

KEEP AWAY FROM ROTATING BLADES TO AVOID DEATH OR SERIOUS INJURY FROM BLADE CONTACT:

- **STAY AWAY** and **KEEP HANDS, FEET** and **BODY AWAY** from rotating blades, drivelines and parts until all moving elements have stopped.
- **DO NOT** put hands or feet under mower decks
- **STOP** rotating **BLADES** disengage PTO and wait for blade to stop rotating before raising mower deck or wings
- **STOP LOOK** and **LISTEN** before approaching the mower to make sure all rotating motion has stopped.
- IF A MATERIAL BLOCKAGE occurs in the inlet or discharge areas of the mower, SHUT DOWN TRACTOR ENGINE, disengage the PTO and wait for all rotating motion to stop. Place the tractor in park position, engage the parking brake and remove the key before leaving the operator's seat. Clear the blockage before proceeding with mowing. Be sure to keep feet and hands clear of the mower blades. If you raise the mower or mower wing to access the blockage, engage the wing lock up latch and securely block up the mower before placing any parts of the body beneath the mower.
PN MB01str

SAFETY

HIGH PRESSURE OIL LEAK HAZARDS

		
High pressure oil penetrating skin	High pressure oil eroding skin	Using cardboard to check for oil leaks

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

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

HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE.

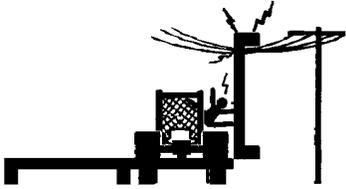
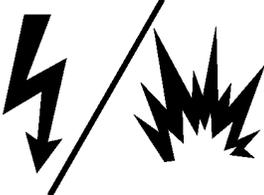
WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:

- **ALWAYS WEAR** safety glasses with side shields (marked with ANSI Z87) and impenetrable gloves.
- **USE** paper or cardboard to search for leaks.
- **DO NOT USE** hands or body parts to search for leak.
- **KEEP** hands and body **AWAY** from pin holes and nozzles ejecting hydraulic fluid.
- Injected Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor familiar with this form of injury. *PN HP01str*

SAFETY

SAFETY

ELECTRICAL FIRE HAZARDS

		
<p>Wing contacting overhead electrical lines</p>	<p>Strike and explosion Hazard Blades Contacting Utility or Gas Lines</p>	<p>Do not operate near fires. Keep mower deck clear of debris</p>

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

- **INSPECT** mowing area for overhead or underground electrical power lines, obstructions, gas lines, cables and Utility, Municipal, or other type structure.
- **KEEP** all raised wings at a 10 feet or greater distance from all power lines and overhead obstructions.
- **DO NOT** allow mower to contact with any Utility, Municipal, or type of structures and obstructions.
- **CALL 811** and 1-800-258-0808 for identify buried utility lines.

FIRE PREVENTION GUIDELINES while Operating, Servicing, and Repairing Mower and Tractor to reduce equipment and grass fire Risk:

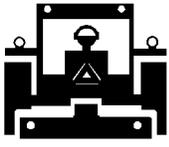
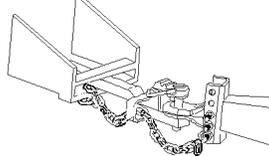
- **EQUIP** Tractor with a **FIRE EXTINGUISHER**
- **DO NOT OPERATE** mower on a tractor equipped with under frame exhaust
- **DO NOT SMOKE** or have open flame near Mower or Tractor
- **DO NOT DRIVE** into burning debris or freshly burnt area
- **AVOID FIRE IGNITION** by not allowing mower blade to contact solid objects like metal or rock.
- **ADJUST SLIP CLUTCHES** to avoid excessive slippage and clutch plate heating
- **CLEAR** any grass clippings or debris buildup around mower drivelines, slip clutches, and gearboxes.
- **SHUT OFF ENGINE** while refueling. *PN EF01 str*

SAFETY

SAFETY

SAFETY

TRANSPORTING HAZARDS

				
Use SMV signs and Flashing Lights	Loss of Control Stopping Hazard	Loss of Control Speeding Hazard	Use Safety Tow Chain - Tractor to Implement	Engage Transport Locks

⚠ DANGER TO AVOID DEATH OR SERIOUS INJURY WHEN TOWING OR TRANSPORTING EQUIPMENT:

- **KEEP** transport speed **BELOW** 20 mph to maintain control of equipment.
- **REDUCE SPEED** on inclines, on turns and in poor towing conditions..
- **DO NOT TOW** with trucks or other vehicles
- **ENSURE mass of towing vehicle is at least 2/3 times the mass of the towed machinery.**
- **FOLLOW** all local traffic regulations.

TRACTOR REQUIREMENTS FOR TOWING OR TRANSPORTING IMPLEMENTS:

- **ONLY TRANSPORT** with tractor, with **ROPS** in the raised position.
- **USE** properly sized and equipped tractor that exceeds implement weight by at least 20%
- **KEEP** 20% of tractor weight on front wheels to maintain safe steering.

BEFORE TRANSPORTING OR TOWING IMPLEMENT:

TRACTOR INSPECTION:

- **CHECK** steering and braking for proper operation and in good condition.
- **CHECK SMV** sign, reflectors and warning lights for proper operation and visibility behind unit.
- **CHECK** that your driving vision is not impaired by tractor, cab, or implement while seated in tractor seat.
- **ADJUST** your operating position, mirrors, and implement transport for clear vision for traveling and traffic conditions.

PREPARE IMPLEMENT FOR TRANSPORTING OR TOWING:

ENGAGE TRANSPORT LOCKS AND SAFETY CHAINS:

- **RAISE MOWER** and **ENGAGE** center axle cylinder transport stops or pins.
- **RAISE WINGS** and **ENGAGE TRANSPORT LOCKS** or pins.
- **ATTACH** implement **SAFETY CHAIN** to tractor.
- **REMOVE** any cut material collected on mower deck.

TOWED MOWERS - ENGAGE TRANSPORT LOCKS AND SAFETY CHAINS:

- **INSTALL** center axle cylinder transport stops or pins
- **ATTACH** implement **SAFETY CHAIN** to tractor
- **REMOVE** any cut material collected on mower deck.

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

BRAKING TESTS:

- **INSTALL** center axle cylinder transport stops or pins.
- Observe **STOPPING** distances increases with increased speeds.
- **DETERMINE** the maximum safe transport speed that does not exceed 20 mph

DETERMINE MAXIMUM TURNING SPEED BEFORE OPERATING ON ROADS OR UNEVEN GROUND:

- **TEST** equipment in slowly increasing speed in turns to determine it can be operated at higher speeds.
- **USE REDUCED** turning speeds in sharp turns to avoid equipment turning over.

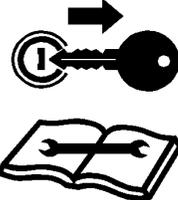
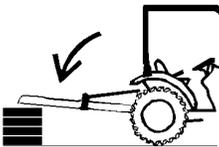
WHEN TOWING OR TRANSPORTING EQUIPMENT:

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

KEEP all raised wings at 10 feet or greater distance from all power lines and overhead obstructions. *PN TH01 str*

SAFETY

HAZARDS WITH MAINTENANCE OF IMPLEMENT

				
Periodically inspect all moving parts, lubricate drivelines, and tighten all fasteners	Stop engine remove key before conducting maintenance	Block up implement before servicing Use large blocks on soft or wet soil	Engage cylinder transport locks	Inspect Blades for damage or cracks

SAFETY



AVOID DEATH OR SERIOUS INJURY FROM COMPONENT FAILURE BY KEEPING IMPLEMENT IN GOOD OPERATING CONDITION IN PERFORMING PROPER SERVICE, REPAIRS AND MAINTENANCE.

BEFORE PERFORMING SERVICE, REPAIRS AND MAINTENANCE ON THE IMPLEMENT:

SECURE EQUIPMENT FOR SERVICE

BLOCK OUT POTENTIAL ENERGY HAZARDS; Rotating Parts, Raised Components, Hydraulic Pressure.

- **STOP ENGINE**, engage parking brake and allow all moving parts to stop and remove key before dismounting from tractor seat.
- **PLACE** implement on ground or securely block up raised equipment. Use large blocks on soft or wet soil.
- **PUSH** and **PULL** Remote Hydraulic Cylinder lever to relieve hydraulic pressure.
- **DISCONNECT IMPLEMENT driveline** from tractor PTO Shaft.

WEAR SAFETY GLASSES, PROTECTIVE GLOVES and follow **SAFETY PROCEDURES** when performing service, repairs and maintenance on the implement:

- Always **WEAR** protective **GLOVES** when handling chemicals or worn component with sharp edges.
- Always **WEAR GLOVES** and **SAFETY GLASSES** when servicing components
- **AVOID CONTACT** with hot hydraulic oil tanks, pumps, motors, valves and hose connection surfaces.
- **SECURELY** support or **BLOCK UP** raised implement, framework and lifted components before working underneath equipment.
- **STOP** any implement movements and **SHUT-OFF TRACTOR** engine before doing any work procedures.
- **USE** ladder or raised stands to reach high equipment areas inaccessible from ground.
- **ENSURE** good footing by standing on solid flat surfaces when getting on implement to perform work.
- **FOLLOW** manufacturer's instructions in handling oils, solvents, cleansers, and other chemical agents.
- **DO NOT** change any factory-set hydraulic calibrations to avoid component or equipment failures.
- **DO NOT** modify or alter implement, functions or components.
- **DO NOT WELD** or repair rotating mower components. These may cause vibrations and component failures being thrown from mower.

PERFORM SERVICE, REPAIRS, LUBRICATION AND MAINTENANCE OUTLINED IN IMPLEMENT MAINTENANCE SECTION:

- **INSPECT** for loose fasteners, worn or broken parts, leaky or loose fittings, missing or broken cotter keys and washers on pins, and all moving parts for wear.
- **REPLACE** any worn or broken parts with authorized service parts.
- **LUBRICATE** unit as specified by lubrication schedule.
- **NEVER** lubricate, adjust or remove material while it is running or in motion.
- **TORQUE** all bolts and nuts as specified.

BLADE INSPECTION:

- **REPLACE** bent, damage, cracked or broken blades immediately with new blades.
- **AVOID** blade failures and thrown broken blades. **DO NOT** straighten, weld, or weld hard-facing blades.

SAFETY SHIELDS, GUARDS AND SAFETY DEVICES INSPECTION:

- **KEEP** all Deflectors, Chain Guards, Steel Guards, Gearbox Shields, and PTO integral shields, Bands, Side Skirts and Skid Shoes in place and in good condition.
- **REPLACE** any missing, broken or worn safety shields, guards and safety devices.



WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov HM01 str

SAFETY

PARTS INFORMATION

Schulte Products use balanced and matched system components for blade carriers, blades, cuttershafts, knives, knife hangers, rollers, drivetrain components, and bearings. These parts are made and tested to Schulte Industry specifications. Non-genuine "will fit" parts do not consistently meet these specifications. The use of "will fit" parts may reduce the performance, void Schulte warranties, and present a safety hazard. Use genuine Schulte parts for economy and safety. (SPSI-1) str

SEE YOUR SCHULTE DEALER

Operator's & Parts Manuals



www.algqr.com/spm

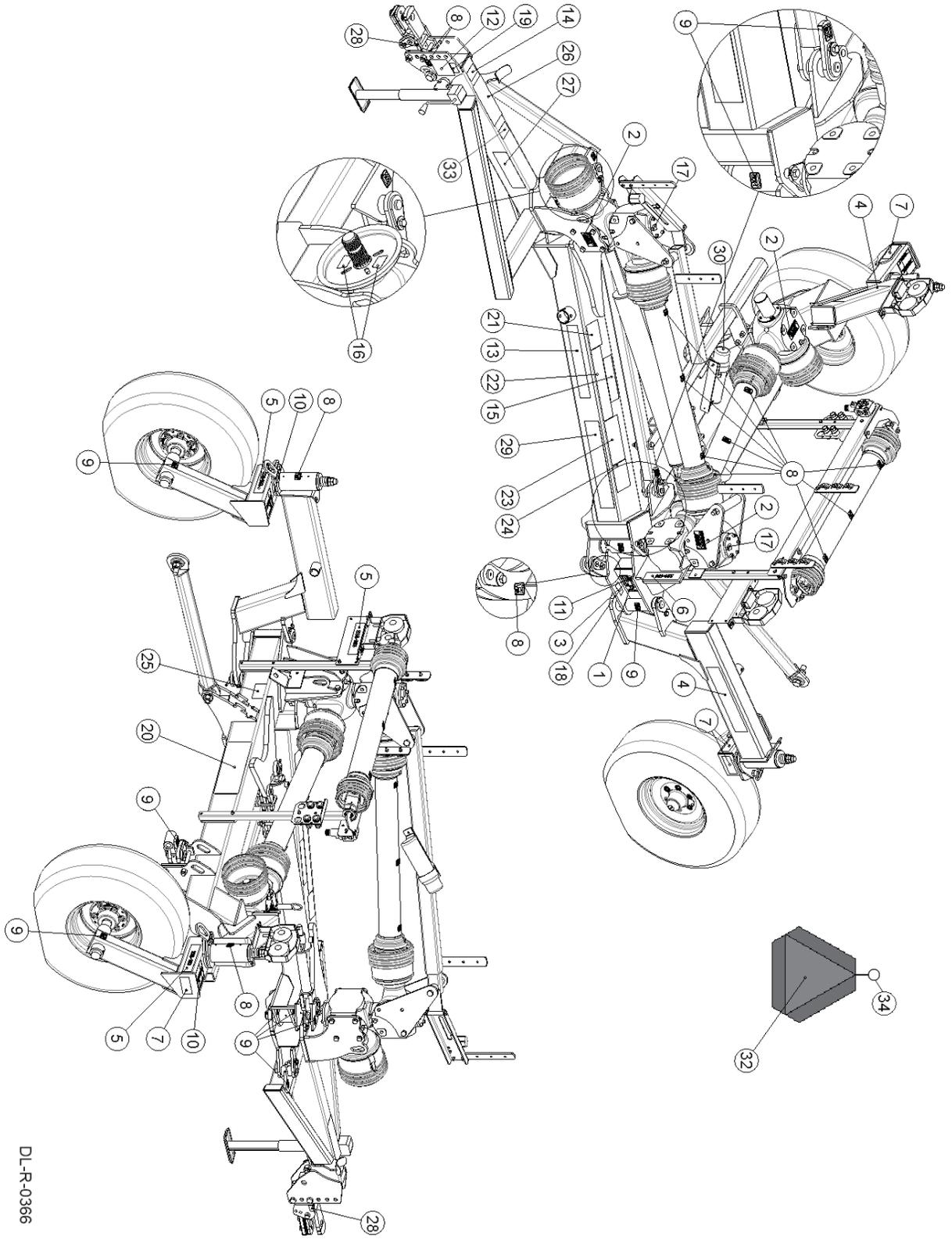
SAFETY

DECAL LOCATION

NOTE: Schulte supplies safety decals on this product to promote safe operation. Damage to the decals may occur while in shipping, use, or reconditioning. Schulte cares about the safety of its customers, operators, and bystanders, and will replace the safety decals on this product in the field, free of charge (Some shipping and handling charges may apply). Contact your Schulte dealer to order replacement decals

SAFETY

SAFETY



DL-R-0366

SAFETY

ITEM	PART NO.	QTY	TYPE	DESCRIPTION
1.	226-004	1	LOGO	FEMA Member
2.	226-081	3	IMPORTANT	Check Oil Level
3.	226-100	1	SER PLATE	Serial Number Plate
4.	226-117	3	LOGO	Schulte Logo, Medium Profile
5.	226-153	3	REFLECT	Red Reflector
6.	226-154	1	REFLECT	Amber Reflector, 2 x 9
7.	226-1541	4	REFLECT	Amber Reflector, 2 x 4.5
8.	226-181	15	INSTRUCT	8 HR Greasing
9.	226-182	9	INSTRUCT	50 HR Greasing
10.	226-330	2	WARNING	Shear Hazard
11.	226-353	1	INFORMATION	US Patent Numbers
12.	226-363	1	INSTRUCT	Bondioli Driveline Greasing
13.	226-425	1	LOGO	FLX-1510
14.	226-431	1	WARNING	Jack Positioning
15.	226-444	1	WARNING	Use Genuine Parts
16.	226-446	6	DANGER	Guard Missing (Cone)
17.	226-456	2	INSTRUCT	Grease Yearly
18.	226-459	1	IMPORTANT	Grease Nipple on Underside
19.	226-461	1	IMPORTANT	Maximum Operating Speed
20.	226-462	1	DANGER	Multi-Hazard
21.	226-463	1	DANGER	Driveline Hazard
22.	226-464	1	DANGER	Multi-Hazard
23.	226-465	1	DANGER	Thrown Objects/Multi-Hazard
24.	226-466	1	WARNING	Oil Leaks
25.	226-467	1	WARNING	Reduce Speed
26.	226-468	1	INSTRUCT	Lubrication Decal
27.	226-491	1	DANGER	Multi-Language
28.	226-499	2	INSTRUCT	This Side Up
29.	226-555	1	LOGO	Flex Arm Logo
30.	280-201	1	---	Canister
31.	A101-010C	1	---	Operator's Manual (Inside Canister)
32.	226-013	1	REFLECT	SMV Sign
33.	226-659	1	NOTICE	Park on level ground Max 10% ground slope
34.	226-628	1	IMPORTANT	20 MPH (Non-Canadian Units)
	226-630	1	IMPORTANT	30 KMPH (Canadian Units)

SAFETY

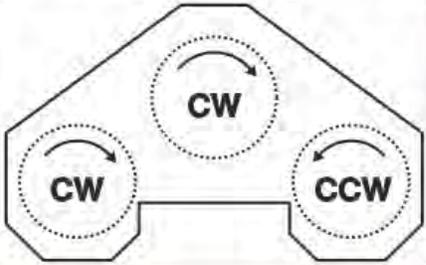
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SAFETY

SAFETY

DECAL DESCRIPTION

⚠ WARNING	
	TO AVOID SERIOUS INJURY: KEEP FINGERS AWAY FROM WHEEL STABILIZER HOLES TO PREVENT CRUSHING / SHEARING OFF
226-330	
IMPORTANT	
	<ul style="list-style-type: none">• Remove stabilizer bolts before operating or transporting to prevent damage to the implement.• The stabilizer bolts are NOT transport bolts.• See Operator's Manual for further information.

⚠ WARNING	
THROWN OBJECT HAZARD	
TO AVOID DEATH OR SERIOUS INJURY: <ul style="list-style-type: none">• Make sure the blade rotation is as shown.• Operate mower with the direction of traffic.	
226-467	

SAFETY

SAFETY

⚠ WARNING

<p>TO AVOID DEATH OR SERIOUS INJURY WHEN TRANSPORTING EQUIPMENT:</p> <ul style="list-style-type: none">● Transport in collapsed position (inline with the tractor).● Do not transport with machine extended more than 3 ft. wider than tractor.● Slow down to 10 mph for turns.● Do not make sudden turns or run off the road. <p>TO AVOID LOSS OF CONTROL DURING OPERATION:</p> <ul style="list-style-type: none">● Operate at a maximum speed of 5 mph.● Watch for and avoid obstructions, embankments, holes and drop offs.	 <p>226-462_1</p>
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SAFETY

SAFETY

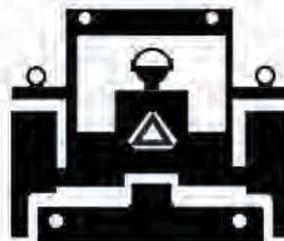
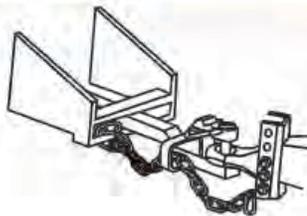
⚠ WARNING

TO AVOID DEATH OR SERIOUS INJURY WHEN TOWING EQUIPMENT:

- DO NOT TOW with trucks or other vehicles.
- ONLY transport with properly sized and equipped tractor. (see Operator's Manual)
- ATTACH implement SAFETY CHAIN to tractor.
- CHECK SMV sign, reflectors and warning lights for visibility behind unit.
- TURN ON tractor flashing warning lights.

TO AVOID LOSS OF TOWING CONTROL:

- DO NOT tow at speeds over 20 mph.
- REDUCE SPEED on inclines, in turns and in poor towing conditions.



226-462_2

SAFETY

SAFETY

⚠ WARNING

TO AVOID EQUIPMENT AND GRASS FIRES:

- CLEAR AWAY grass or debris from slip clutches, gearboxes, drivelines and decks.

TO AVOID FIRE IGNITION:

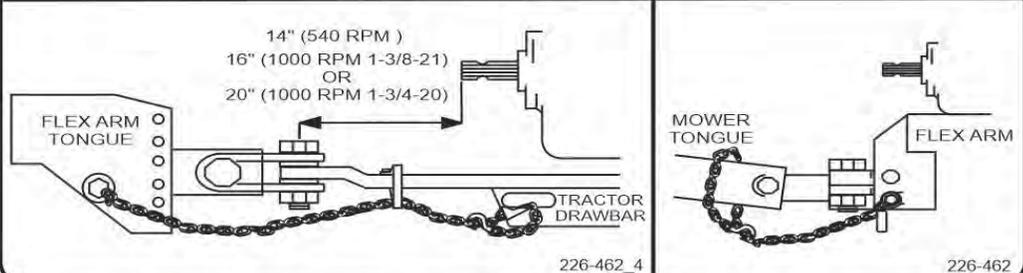
- DO NOT ALLOW BLADES TO CONTACT rocks, metal or solid objects.



226-462_3

IMPORTANT

Required for Standard Pull Type Units.
Attach Safety Chain securely.



14" (540 RPM)
16" (1000 RPM 1-3/8-21)
OR
20" (1000 RPM 1-3/4-20)

FLEX ARM TONGUE

TRACTOR DRAWBAR

MOWER TONGUE

FLEX ARM

226-462_4

226-462

⚠ DANGER

226-446



GUARD MISSING
To Avoid Death Or Serious Injury Do Not Operate

NOTICE

Do not tow at speeds greater than 20 MPH(30 KM/H).

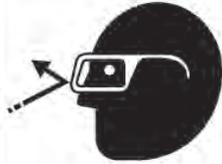
Ensure mass of towing vehicle is at least 2/3 times the mass of the towed machinery.

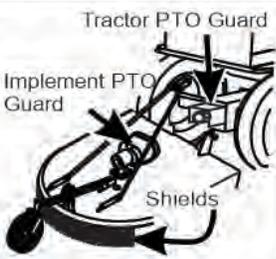
Be sure to park on level ground to a maximum of 10% ground slope.

226-659

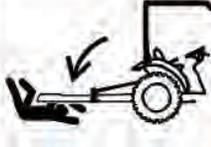
SAFETY

SAFETY

⚠ DANGER			
	 www.algqr.com/sme		
<p>TO AVOID DEATH OR SERIOUS INJURY: 226-464_1</p> <ul style="list-style-type: none"> ● READ AND UNDERSTAND the provided Operator's Manuals, safety signs and information decals for tractor and implement before operating equipment. ● CONTACT DEALER immediately if you do not have manuals. ● CONTACT DEALER to explain any instructions not fully understood. ● ALWAYS WEAR safety glasses with side shields (marked to comply with ANSI Z87). ● WEAR hard hat, safety shoes and gloves for protection when operating equipment. 			

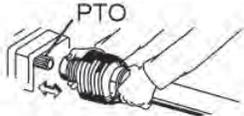
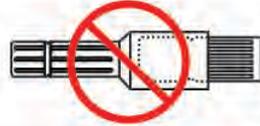
⚠ DANGER	
ENTANGLEMENT HAZARD	
<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> ● DO NOT operate without guards in place and in good condition. PTO and gearbox guarding are SUBJECT TO WEAR. ● STAY AWAY and KEEP hands, feet and body AWAY from rotating blades, drivelines and parts that continue to move after power shut-off. WAIT until all moving elements have stopped. ● ALWAYS REPLACE GUARDS that have been removed for service or maintenance. ● STOP, LOOK and LISTEN for rotating motion before approaching implement. ● DO NOT STEP ON drivelines or guards. 	<p>226-464_2</p> 

SAFETY

! DANGER	
Crushing Hazard	
<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> ● USE tractor equipped with Rollover Protective Structure ("ROPS") including roll bar and seat belt. Keep roll bar in raised position. ● STAND CLEAR when removing transport latch, lowering or raising wings. ● IMPLEMENT CAN FALL from hydraulic failure or accidental operation of controls. ● BLOCK UP and securely support equipment before putting hands, feet or body under raised equipment or lifted components. <p style="text-align: right;">226-464_3 226-464</p>	
	
	

! WARNING	
Rated Loads	Vertical: 2500 lbs Side: 700 lbs
TO AVOID SERIOUS INJURY:	
<ul style="list-style-type: none"> ● Fully engage jack retaining pin. ● DO NOT exceed rated loads. 	
226-431	

SAFETY

! DANGER		
		
<p>TO AVOID DEATH OR SERIOUS INJURY FROM DRIVELINE CONTACT, DRIVELINE SEPARATION OR PTO STUB SHAFT FAILURE:</p> <ul style="list-style-type: none"> ● STOP, LOOK and LISTEN for rotating motion before approaching implement. ● STAY AWAY and KEEP hands, feet and body AWAY from rotating parts until all moving elements have stopped. ● ALWAYS shut off PTO before dismounting. ● DO NOT operate if PTO shields are damaged or missing. ● PUSH AND PULL on yoke until collar clicks and locks yoke in place. ● CHECK driveline guards for free rotation and sufficient overlap to avoid unshielded areas. ● DO NOT USE PTO ADAPTER <p style="text-align: right;">226-463</p>		
		

SAFETY

SAFETY

⚠ WARNING

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

- DO NOT OPERATE equipment with oil or fuel leaks.
- KEEP all hydraulic hoses, lines and connections in good condition and tight before applying system pressure.
- Relieve hydraulic pressure before disconnecting lines or working on the system.
- REMOVE and replace hose if you suspect it leaks. Have dealer test it for leaks.

HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE. WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:

- DO NOT use hands to check for leaks.
- ALWAYS WEAR safety glasses with side shields (marked to comply with ANSI Z87) and impenetrable gloves.
- USE paper or cardboard to search for leaks.
- KEEP hands and body AWAY from pin holes and nozzles ejecting hydraulic fluid.
- Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor familiar with this form of injury.

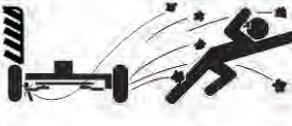
226-466



SAFETY

SAFETY

⚠ DANGER

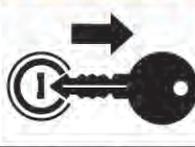
	 TRASH	
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THROWN OBJECTS HAZARD

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

- STOP mowing if bystanders or traffic come within 300 feet.
- DO NOT OPERATE with thrown object shielding removed.
- KEEP thrown object shielding in place and in good condition during operation. Thrown Objects shielding is subject to wear.
- REPAIR OR REPLACE shielding if damaged, broken or missing. See Operator's Manual for all Shields and Guards.
- INSPECT area for potential mower thrown object hazards before mowing.
- Remove and AVOID objects such as wire, cable, metal objects and all other foreign material.
- DO NOT ALLOW blades to contact solid objects like wire, rocks, posts, curbs or guard rails.
- DO NOT OPERATE in transport position or with wings off ground.

⚠ DANGER

			
-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

Run Over Hazard - Death or Serious Injury

TO AVOID DEATH OR SERIOUS INJURY:

- ALWAYS BUCKLE UP seat belt.
- ONLY START Tractor while seated in the operator's seat.
- STOP ENGINE and PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor.
- KNOW HOW to stop tractor and equipment quickly for an emergency.
- DO NOT MOUNT or DISMOUNT Tractor in motion.
- NEVER ALLOW riders on tractor or implement.
- NEVER ALLOW children to operate or ride on tractor or implement.
- KEEP BYSTANDERS CLEAR of area before moving tractor or implement.
- KEEP ALERT and AVOID hitting stumps, holes, ruts, and uneven terrain.
- AVOID tree limbs, brush and other overhanging objects that can strike and throw the operator from seat.

226-465

SAFETY

SAFETY

⚠ WARNING

TO AVOID DEATH OR SERIOUS INJURY:

- ONLY use genuine SCHULTE replacement parts, which have been validated and tested to use on Schulte equipment by the manufacturer.
- The equipment manufacturer cannot verify the material or structural integrity of third-party supplied non-genuine replacement parts.
- Using non-genuine parts can result in the part failing, creating hazardous conditions for operator and bystanders.

Contact local dealer or SCHULTE about repair parts at:
PO BOX 70, Englefeld,
Saskatchewan Canada S0K 1N0
Customer Service: 306-287-3715.
Email: info@schulte.ca



www.algqr.com/spm

⚠ WARNING
Cancer and Reproductive Harm
[www.P65 Warnings.ca.gov](http://www.P65Warnings.ca.gov)

IMPORTANT

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



www.algqr.com/sve

To prevent serious injury to yourself and/or bystanders, be trained in Safe Mowing Practices. Alamo Group Companies as well as AEM and FEMA provide training material that is critical for your Safety and the Safety of others when operating this equipment. Make these Safety Procedures an important part of every workday. Read and understand the Operator's Manual.

Do not let untrained individuals operate this equipment. Contact your Dealer, AEM (www.aem.org), FEMA (314-878-2304, www.FarmEquip.org), or Alamo Group (www.Alamo-Group.com) for information on training material or courses that provide training in Safer Operating Practices for Mowers.

226-444

SAFETY

SAFETY

⚠ PELIGRO	⚠ DANGER
<p>Si no puede leer inglés: antes de poner en funcionamiento este equipo, solicite que alguien le traduzca los mensajes de seguridad o vaya al sitio web para consultar los mensajes de seguridad y las etiquetas ya traducidos.</p>	<p>Si vous ne savez pas lire le l'anglais: avant d'utiliser l'équipement, demandez à une personne de vous traduire les messages de sécurité ou allez sur le site Internet pour voir la traduction des autocollants et des messages de sécurité.</p>
<p>El Manual del Operador Seguridad vídeo</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  www.algqr.com/sms </div> <div style="text-align: center;">  www.algqr.com/svs </div> <div style="text-align: center;">  </div> </div>	<p>Manuel de l'Opérateur</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  www.algqr.com/smf </div> <div style="text-align: center;">  </div> </div>

⚠ PERIGO	⚠ GEFAHR
<p>Caso você não leia inglês: antes de operar o equipamento, peça para alguém traduzir as mensagens de segurança ou visite a web e obtenha tais mensagens ou os decalques traduzidos.</p>	<p>Falls Sie Englisch nicht lesen können: Lassen Sie sich, bevor Sie das Gerät in Betrieb nehmen, die Sicherheitshinweise von einer geeigneten Person in Ihre Sprache übersetzen. Oder suchen Sie auf unserer Website nach Übersetzungen von Schilderaufschriften und Sicherheitshinweisen.</p>
<p>Manual do Operador</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  www.algqr.com/smp </div> <div style="text-align: center;">  </div> </div>	<p>Benutzerhandbuch</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  226-491 </div> <div style="text-align: center;">  www.algqr.com/smg </div> </div>

SAFETY

FEDERAL LAWS AND REGULATIONS

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

Employer-Employee Operator Regulations

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

This Act Seeks:

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

DUTIES

Sec. 5 (a) Each employer-

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

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

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

OSHA Training Requirements

Title 29, Code of Federal Regulations Part 1928.57(a)(6). www.osha.gov

Operator instructions. At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee who operates an agricultural tractor and implements in the safe operating practices and servicing of equipment with which they are or will be involved, and of any other practices dictated by the work environment.

Keep all guards in place when the machine is in operation;

Permit no riders on equipment

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain the equipment.

Make sure everyone is clear of machinery before starting the engine, engaging power, or operating the machine.

Employer Responsibilities:

To ensure employee safety during Tractor and Implement operation, it is the employer's responsibility to:

1. Train the employee in the proper and safe operation of the Tractor and Implement.
2. Require that the employee read and fully understand the Tractor and Implement Operator's Manual.
3. Permit only qualified and properly trained employees to operate the Tractor and Implement.
4. Maintain the Tractor and Implement in a safe operational condition and maintain all shields and guards on the equipment.
5. Ensure the Tractor is equipped with a functional ROPS and seat belt and require that the employee operator securely fasten the safety belt and operate with the ROPS in the raised position at all times.
6. Forbid the employee operator to carry additional riders on the Tractor or Implement.
7. Provide the required tools to maintain the Tractor and Implement in a good safe working condition and provide the necessary support devices to secure the equipment safely while performing repairs and service.
8. Require that the employee operator stop operation if bystanders or passersby come within 300 feet.

Child Labor Under 16 Years of Age

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin #102.)

INTRODUCTION SECTION

Introduction Section 2-1

INTRODUCTION

INTRODUCTION

We are pleased to have you as a Schulte customer. Your Rotary Cutter has been carefully designed with care and built with quality materials by skilled workers to give maximum service with minimum down time. This manual is provided to give you the necessary operating and maintenance instructions for keeping your rotary cutter in top operating condition. Careful use and timely service saves extensive repairs and costly downtime losses. Please read this manual thoroughly. Understand what each control is for and how to use it.

Schulte typically offers three types of shielding to protect the operator, passerby, livestock, and property from thrown objects... deflectors, single chain guards, and double chainguards. Shielding should be selected based on the intended use of the mower. Double chainguards or deflectors should be used for highway, right-of-way, parks or greenbelt mowing or all other mowing where human dwellings, vehicles, or livestock could be within 300 feet of the mower. Chainguards are more durable, provide a longer service life and require less maintenance and replacement than deflectors. Single chainguards may be sufficient for agriculture and other mower use only where passersby or property are not within 300 feet of the mower during operation.

No shielding is 100% effective in preventing thrown objects. The possibility of injury and property damage from this hazard can be substantially reduce by selecting proper shielding, maintaining the mower and shielding in good operational condition, inspecting the area for foreign debris before mowing, operating the mower at a minimum cutting height of 4", and keep unprotected persons at a minimum distance of 300 feet from the mower at all times during operation.

Safety is of primary importance to the owner/operator and to the manufacturer. Observe all safety precautions decaed on the machine and noted throughout the manual for safe operation of implement. If any assistance or additional information is needed, contact your authorized Schulte dealer. The owner/operator/dealer should know and understand the Safety Messages before assembly and be aware of the hazards of operating this cutter during assembly, use, and maintenance. The Safety Alert Symbol combined with a Signal Word, as seen below, is intended to warn the owner/operator of impending hazards and the degree of possible injury faced when operating this machine.



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



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

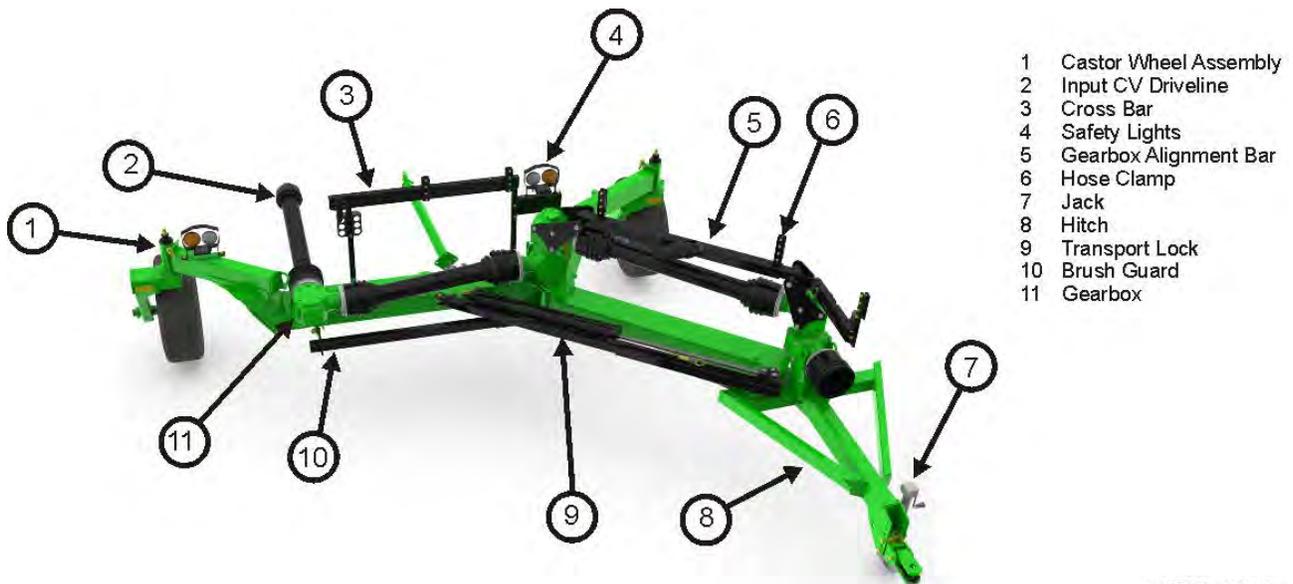


Indicates an imminently hazardous situation that, if not avoided, **MAY** result in **MINOR INJURY**.



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

INTRODUCTION



INTR-0016

INTRODUCTION

Your Schulte model FLX-1510 FLEX-ARM is designed to attach to a Schulte 10' or 15' cutter and be primarily used to cut weeds, grass, and brush up to 2" in diameter. The FLEX-ARM allows the operator to travel on the road while the 10' or 15' cutter cuts the ditch slope. With proper maintenance as described in this manual, your FLEX-ARM and Cutter will provide you with years of dependable service.

Before beginning operation, it is necessary that all operators of this implement read this manual and understand the content of the manual, especially the sections that pertain to safety, proper operation and maintenance.

Your FLEX-ARM and Cutter have been assembled for operation with a tractor PTO input speed of either 540 or 1000 RPM. You will use the CV drive shaft from your rotary cutter to connect the FLEX-ARM to the tractor.

When ordering service parts, make sure to specify your serial number. Your serial number is located on the left end of the main frame.

Driveline and gearbox shielding are essential safety components of your machine and must remain in place at all times.

To activate your warranty, the warranty validation form must be complete in full and returned to Schulte Industries Ltd. within thirty (30) days of the date of purchase.

INTRODUCTION

EQUIPMENT SPECIFICATIONS

	15' Configuration	10' Configuration
Transport Width	117" (2.972 M)	117" (2.972 M)
Transport Width with Cutter	121" (3.073 M)	121" (3.073 M)
Transport Length	178" (4.521 M)	178" (4.521 M)
Transport Length with Cutter	330" (8.382 M)	330" (8.382 M)
Approximate Weight	2557 Lbs (1162 Kg)	2557 Lbs (1162 Kg)
Swing Range	122" (3.099 M)	122" (3.099 M)
Hitch Load	875 Lbs (398 Kg)	875 Lbs (398 Kg)
Recommended Tractor HP	85 HP (65 KW)	75 HP (55 KW)
Ground Clearance	16" (406 mm)	16" (406 mm)
Minimum Tractor Hydraulics	3 remote circuits @ 1750 psi	3 remote circuits @ 1750 psi
Recommended Tractor Hydraulics	4 remote circuits @ 1750 psi	4 remote circuits @ 1750 psi

KEY OPERATION POINTS

- Cutting performance and distribution are best when cutter is level from side to side. Mower front to rear pitch should be 1" or less.
- In extra heavy material, rear chains will allow better discharge and better distribution than solid rear deflectors or bands.
- Never operate the Flex-wing below full PTO speed of 540 or 1000 rpm.
- For good distribution, the distribution baffles must be used.
- Make sure PTO driveline slip clutches are not frozen and are properly adjusted.
- To reduce uneven grass cutting and streaking.
 - make sure blades are not bent and are in good condition.
 - reduce ground speed to allow more cutting time.
- If Tractor engine is lugging down, shift tractor to a lower gear
- ALWAYS OPERATE WITH THE WING HYDRAULIC CYLINDER CONTROL VALVES IN A FLOAT POSITION.
- For maximum performance and service life, Always use Genuine Schulte replacement parts.
-

Operating Noise Level/Sound Pressure

The sound levels at the operator's ear from the attached machine (rotary cutter) are at least 10 dB (A) below the levels from typical Agricultural tractors used to power and transport this machine. Therefore, the Noise emission values given by the OEM of the Agricultural tractor used to power and transport this machine would be valid when this machine is attached to and operated by that Agricultural tractor in all OEM recommended applications.

INTRODUCTION



SCHULTE INDUSTRIES LIMITED - FLX-1510 **GENERAL STATEMENT AFFECTING ALL SCHULTE WARRANTY**

INTRODUCTION

Schulte Industries Ltd. warrants to the original purchaser only, that in the event of any defect in material or workmanship in the product sold by Schulte Industries, the subject of this warranty (“the goods”) during the warranty period mentioned below the manufacturer will provide the coverage specified below.

This warranty is in place of any other warranty or guarantee whether implied or expressed in any conditions of purchase of the buyer, and does not extend to impose any further liability on the manufacturer than set out below.

Any work done to the product without being authorized by Schulte, may not be covered by Schulte.

WARRANTY COVERAGE: All coverage applies to manufacturer’s defects only

For Commercial, Agricultural, and Government Use

- Structural Warranty is 1 year from the date of purchase
- Component is 1 year from the date of purchase. Coverage includes hydraulics, hubs, spindles, blade carrier, and light kits.
- Driveline warranty is 1 year from the date of purchase. Warranty covers cross kits, tubes, and yokes. **Coverage applies only to manufacturer’s defects when product is properly maintained and lubricated.**

3 Year Gearbox Warranty (Coverage applies to manufacturer’s defects only)

- 100% parts, labor, and freight cost for year 1
- 75% warranty replacement gearbox parts only for year 2
- 50% warranty on replacement gearbox parts only for year 3

1 Year Seal Warranty (Coverage applies to manufacturer’s defects only)

- 100% parts, labor, and freight cost for year 1.

For Rental Use

- Component and Driveline warranty is for 30 days. The warranty coverage starts on the day the product is purchased.
- Tires and Rims are covered for 30 days against manufacturer’s defects only.
- Structural warranty is 30 days from the first in-service date.

Coverage includes parts and labor on repair. Only Schulte replacement parts qualify under this coverage.

INTRODUCTION

Where legislation allows:

- The dealer is responsible for any labor charges exceeding a reasonable amount as determined by the manufacturer.
- The customer is responsible for the transportation costs of the product or parts to the dealer for repair.
- Ground freight charges for shipping new warrantable replacement parts to the dealer or customer will be covered by Schulte. **Only ground transportation will qualify for reimbursement.**

CONDITIONAL COVERAGE

All warranty is conditional upon:

- Care, Maintenance and Operation in accordance with the manufacturer's specifications and recommendations (as set out, or referred to in the "Operator's Manual") supplied with the product.
- Submission of the Warranty Registration immediately upon sale of the product.
- The Pre-Delivery Inspection sheet must be sent with the Warranty Registration. Failure to comply will result in warranty claims being denied.

EXCLUSIONS

This warranty does not extend to:

- Damage or deterioration after delivery from the manufacturer not attributable to defective material or workmanship.
- A Rotary Cutter that has been physically altered without the approval of the manufacturer.
- Any goods which have sustained damage or deterioration due to encounters with foreign objects for which the product is not intended, inadequate or faulty assembly, improper or inadequate maintenance, neglect, or abuse.
- Shop supplies such as the use of tools, oil or grease used in the repair or replacement of a warrantable part or component.
- Normal wearing parts such as, but are not limited to safety chains, belting, clutch linings, blades and tire wear.

THE WARRANTY CLAIM PROCESS:

- A Warranty Claim must be submitted within (30) days of the repair.
- The dealer must allow for the examination of the goods by the manufacturer or one of its agents, when requested by the manufacturer to verify that the goods are defective in material or workmanship.
- The Dealer must keep the failed part until the claim is processed, to allow Schulte Industries the option of further examination of the part.

Further examination may mean that pictures are sent, or that the part be returned to Schulte.

- A Return Goods Authorization (RGA) must be sent with any returned part.
- If a failed part is returned to Schulte for examination, Schulte will pay the freight, **Only ground transportation will qualify for reimbursement. Any other types of freight will not be paid, unless authorized on the RGA.**

NOTE: For warranty service or parts the unit can be taken to any authorized Schulte dealer.

Warranty Contacts:

All warranty questions can be emailed to info@schulte.ca or phone Schulte Industries at 1-800-404-6044. Schulte reserves the right to change and modify this warranty policy at any time.

ASSEMBLY SECTION

Assembly Section 3-1

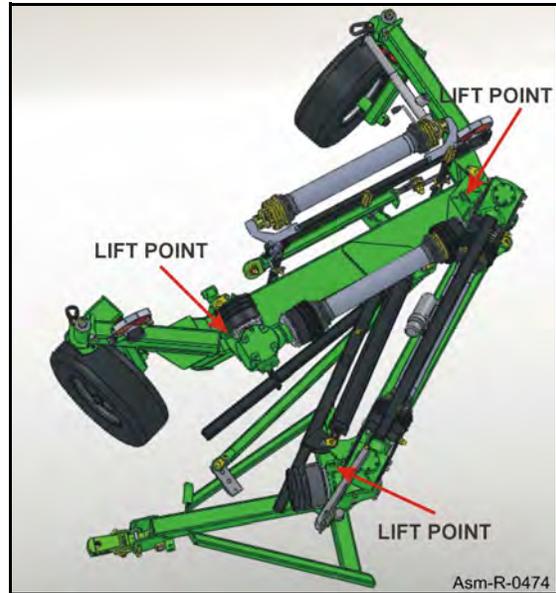
ASSEMBLY

ASSEMBLY

INITIAL ASSEMBLY AND ATTACHMENT TO TRACTOR

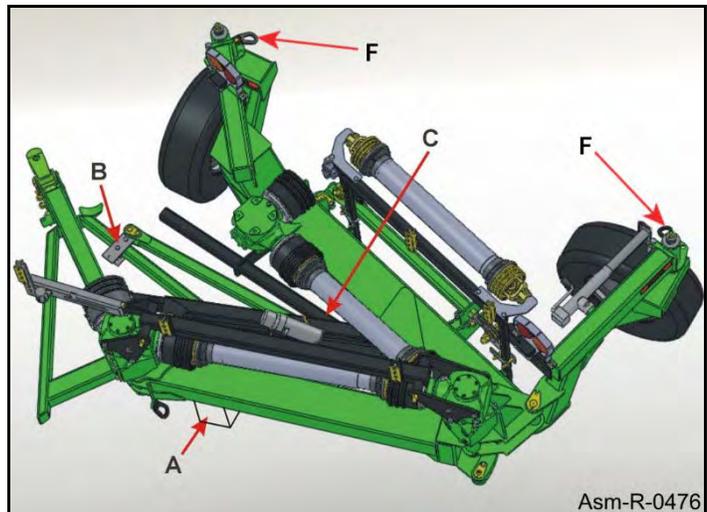
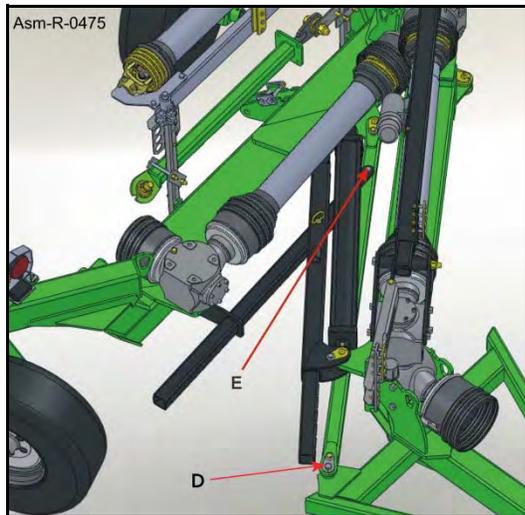
Lifting the FLEX-ARM Shipping Package

Remove the FLEX-ARM from the trailer using an overhead boom. Attach chains to the FLEX-ARM using the three lifting hooks in the locations shown. The lengths of the chains may need to be adjusted to provide a level lift.



Remove Shipping Brackets

Block the FLEX-ARM under the frame at point 'A'. Remove shipping brackets 'B'. Break the banding connecting the brush guard 'C' to the strut arm. Swing the hitch forward and connect the strut arm to the hitch at point 'D'. Use the 1/2 X 1-3/4" bolt, lock washer, and flat washer to fix the pin head. Connect the brush guard to the strut arm at point 'E' using the 5/8 X 4-1/2" bolt and locknut that is attached to the brush guard. Remove the tie down hooks 'F' and 5/8" bolts from the castor frames and main arm.



ASSEMBLY

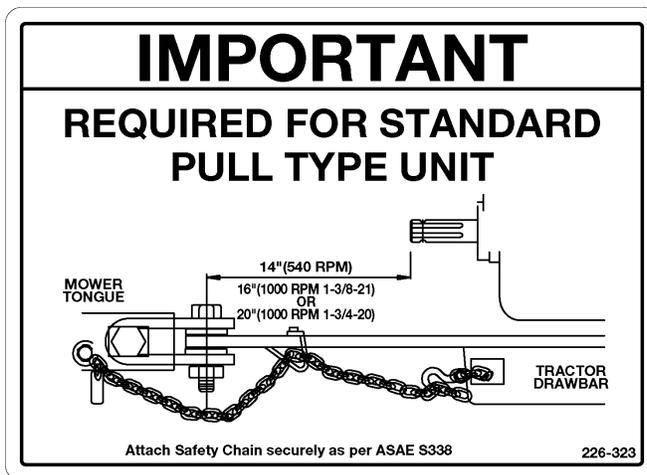
Connect the Flex Arm to a Tractor

Use extreme caution when connecting the implement to the tractor. The implement should be securely resting at ground level or on blocks. Keep hands and feet out from under the implement and clear of pinch points between the tractor and implement.

DANGER

Always shut the tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the implement and tractor hitches.

1. Ensure the tractor is equipped with the correct PTO shaft and the drawbar is set at the correct length. Adjust the drawbar length as recommended for 540 or 1000 RPM operation
2. Adjust the height of the hitch clevis by removing and reinstalling the $\frac{3}{4}$ X 6 bolts so that the frame is as level as possible.
3. Adjust the opening of the precision clevis by shimming the wear plate with spacers. Remove the two 5/8" bolts and lockwashers and stack the spacers between the wear plate and the hitch block until the opening measures less than 1/8" taller than the drawbar. Replace unused spacers under the hitch block and reinstall the lockwashers and bolts.
4. Using the parking jack, position the tongue clevis to the height of the tractor drawbar. A screw driver may be inserted into the hole in the side of the swivel hitch to keep the hitch clevis level while connecting to the tractor drawbar.
5. Board the tractor and start the engine. Back the tractor to the cutter aligning the drawbar hitch hole with the cutter tongue clevis. Turn off the tractor engine, place the tractor in park, and set the parking brake before dismounting.
6. To attach the FLEX-ARM insert the hitch pin through the drawbar and tongue clevis. Once the pin is inserted, attach the snap ring pin through the hole on the hitch pin and snap in place.
7. Securely attach the cutter safety chain to the tractor drawbar or drawbar support frame. Follow the detailed instructions below.
8. Lower the jack until the tongue is completely supported by the drawbar. Remove the hitch jack and return it to the storage position on the castor frame.



Asm-R-0477

WARNING

Never use your hands to steady the hitch block when the tractor is being backed to hitch

WARNING

Never stand between the tractor and implement while the tractor is being backed to the hitch

ASSEMBLY

ASSEMBLY

Safety Tow Chain

If the unit is to be towed on a public roadway, a safety chain with tensile strength equal to or greater than the gross weight of the cutter must be connected between the tractor and cutter. This will help control the implement in the event the tongue becomes disconnected from the drawbar. Connect the safety tow chain between the FLEX-ARM and tractor. Fasten the large loop of the safety chain to the hitch, using the 1" bolt, washer, and nut. Attach the other end of the chain to tractor. Refer to your tractor operator's manual for complete instructions on attaching the tow chain to the tractor. After connecting both ends of the safety chain, drive the tractor to the right and left to check for proper chain length. Adjust length as necessary and allow only enough slack in the chain to make a maximum turn in both directions.



IMPORTANT: Scan this QR Code with your smart phone to link to the PAMI Safe Implement Hitching Manual for more information on correctly connecting agricultural tractors to implements. Or type in your internet browser the following web address: www.algqr.com/hme *Ops-0008-MISC str*



ASSEMBLY

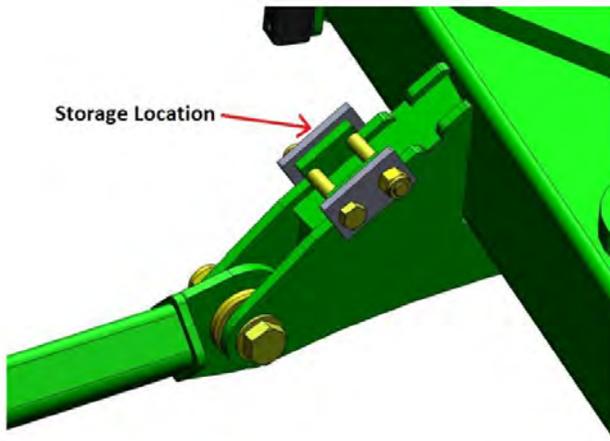
Lock the Caster Wheels

Pull the frame forward so that the castors are parallel with the direction of travel. Lock the castor wheels by inserting a 3/4 X 2-1/2 bolt with 3/4" locknut into each hole on the castor frame 'G'. Bolts and nuts are found in the operator's manual canister or in their storage hole near the castor pivot. The holes to lock the casters in place will only line up when the stop plates are assembled to the lock-up tubes. These stop plates reduce how far the Flex-Arm extends to the left of the center of the towing vehicle to 54". When the plates are not installed, they are located in their storage location at the rear of the machine.

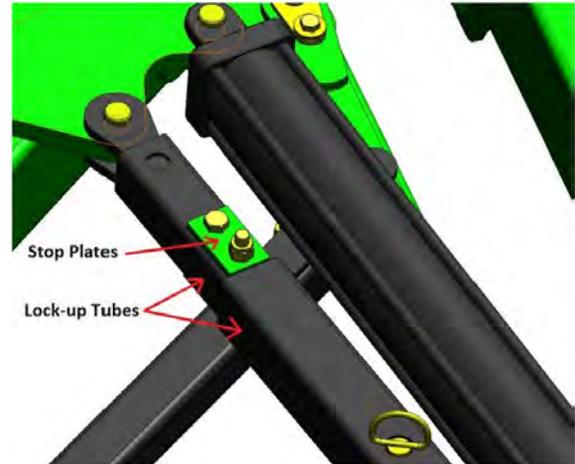
When the stop plates are installed, the Flex-Arm does not allow for the center line of the rotary cutter to be pulled directly behind the tractor. If you want to cut directly behind the tractor, remove the stop plates and install them in their storage location.



IMPORTANT: The castor wheel locking bolts must never be used when the FLEX-ARM is attached to a rotary cutter. The purpose of these bolts is to lock the castor wheels in a forward direction for moving or transporting the FLEX-ARM alone.



Asm-R-0610



Asm-R-0611

ASSEMBLY

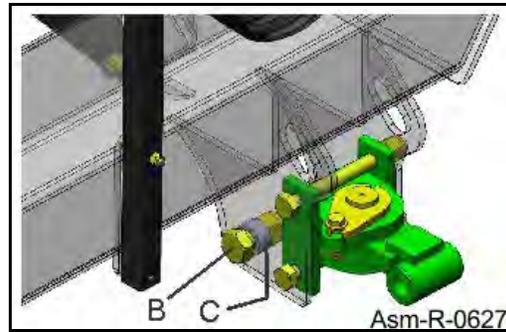
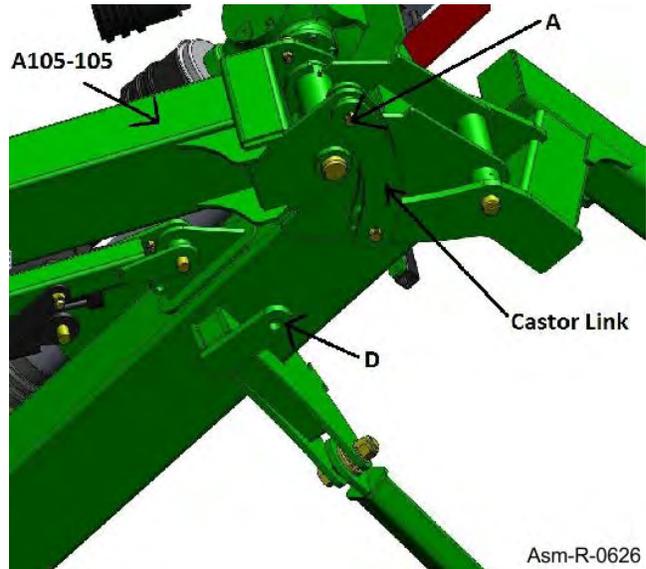
ASSEMBLY

Configure the FLEX-ARM for use with a 10' Rotary Cutter

The FLX-1510 can be configured for use with either a 15 or 10 foot rotary cutter. As shipped, the FLX-1510 is configured for use with a 15 foot cutter. If the FLX-1510 is to be attached to a 10 foot cutter the "Castor Link" must be repositioned.

When the cutter is shipped the "Castor Link" is in the position shown below.

- Remove pin "A"
- Move the "Castor Link" so the hole you removed Pin "A" from is lined up with the hole in lug "D"
- Remove bolt "B" (1" x 4") and spacer "C". These items are found where the cutter hooks to the rear of the FLX-1510. These are needed to connect the "Castor Link" to Lug D.



- Take spacer "C" and insert it between the Castor Link and lug "D" as shown below.
- Insert bolt "B" through the Castor Link, spacer "C" and lug "D" and fasten all items together using the 1" nut removed from bolt "B" earlier.

ASSEMBLY

Adjust the Castor Springs

A compression spring is used to maintain friction between the castor swivel plates and reduce the tendency of the castor wheel to whip. Compression spring tension should be set as follows:

1. Tighten the lower nut until the spring is fully compressed.
2. Back the lower nut by one full turn.
3. Hold the position of the lower nut and tighten.



Check Tire Pressure

Check that tires are inflated to proper specifications. Refer to the **Maintenance Section** of this manual for required tire pressures.

The FLEX-ARM can now be transported.

CONNECTING THE FLEX-ARM TO A ROTARY CUTTER

Connect Hydraulic Lines to the Tractor

When connecting the FLEX-ARM to the tractor it may be advantageous to be able to operate the main cylinder on the FLEX-ARM. Connect the two hydraulic lines for the FLEX-ARM main cylinder to the tractor breakaways. With the tractor shut down and secured in position, relieve hydraulic pressure from the tractor by moving the control levers back and forth several times or placing the levers in the float position. When connecting the hydraulic lines, keep hoses, quick couplers, and swivels free of contamination. Never leave a disconnected hose end open and cap the tractor hydraulic outlet ports when not in use. If the tractor ports or implement hydraulic hose ends become contaminated, wipe clean with a rag before connecting.

ASSEMBLY

Connecting the FLEX-ARM to a Rotary Cutter

1. Ensure that the $\frac{3}{4}$ X 2-1/2 castor wheel lock bolts are in place.
2. Remove the hitch clevis from the rotary cutter.
3. Retain the 1" X 4 11/16 pin, $\frac{1}{2}$ " washer, 1-1/2 X 1-3/4 bolt, $\frac{1}{2}$ locknut and 3/8 X 2 roll pin.
4. Back the FLEX_ARM so that the hitch tongue is aligned as closely as possible with the swivel hitch on the rotary cutter.
5. Turn off the tractor engine, place the tractor in park, and set the parking brake before dismounting. Dismount and view to see what adjustments are required to align the swivel hitch on the rotary cutter with the sleeve on the hitch tongue of the FLEX-ARM.
6. Repeat until the 1 X 4 11/16" pin can be inserted through hitch swivel. Install the 1-1/2 X 1-3/4 bolt, 3/8 X 2 roll pin etc that were previously removed.
7. Remove the cutter jack and place in its storage position.



Always shut the Tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the Implement and Tractor hitches. (S3PT-15) str

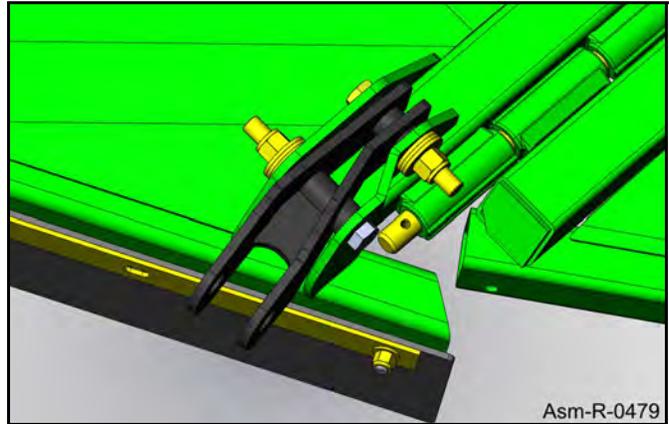
8. Attach the FLEX-ARM safety chain to the mower A-frame. Fasten the large loop of the safety chain to the Safety Chain Attachment Location using the 1 x 2-1/2" bolt, washer, and locknut. Wrap the other end around the Mower A-Frame and secure the hook. Alternately the large loop of the safety chain can stay attached to the mower and the hook end can be passed through the slotted holes provided on either side of the hitch block.
9. Lower the jack until the tongue is completely supported by the drawbar. Remove jack from the tongue and place on storage bracket of mower. 8. Pin the strut assembly to the mounting lugs on the arm and cutter with 1" bolts the length of the strut from pinpoint to pinpoint should be set according to chart below.



ASSEMBLY

Install Arm Mount on Rotary Cutter

Install the arm mount to the rotary cutter using one $\frac{3}{4}$ X 5 and one $\frac{3}{4}$ X 6 bolts, washers and locknuts arranged as illustrated. 3-1" washers are installed at the threaded end of each bolt in order to prevent the bolt threads from contacting the frame lugs.



Connect Strut to Rotary Cutter

Set the length of the strut from pivot to pivot center according to chart below. Bolt the strut assembly to the mounting lugs on the arm and cutter using two 1 X 4" bolts and locknuts.

Machine	Strut Length
XH1500 Series 3	45-1/4"
XH1000 Series 3	44-1/4"
FX315	45-1/4"
FX310	44-1/4"
FX180/FX1800	45-1/4"
FX120/FX1200	44-1/4"



Release Castor Wheels

Remove the $\frac{3}{4}$ X 2-1/2 bolts that lock the castor wheel. The bolts and nuts can be stored in the cutout on the plate behind the castor wheel pivot.

ASSEMBLY

Connect Hydraulic Lines between the FLEX-ARM and Rotary Cutter

Connect the rotary cutter hydraulic hoses to the hydraulic breakaway stand. The hoses are color coded to identify their location. Never leave a disconnected hose end open. Always keep them capped to avoid contamination.



Use wing lock up pins to secure wings or, lower rotary cutter to the ground before connecting hydraulic hoses.

ASSEMBLY

1. Connect the rotary cutter hoses to the breakaway stand on the FLEX-ARM. The hoses are color coded to simplify assembly.
2. Hoses are color coded as follows:
 - a. Yellow coded hoses connect to the rotary cutter lift circuit. They occupy the two positions along the top of the breakaway stand.
 - b. Blue coded hoses connect to the rotary cutter right wing (right hand when in tractor seat looking forward). They occupy the two positions along the middle of the breakaway stand. The double blue coded hose goes to the clevis end of the right wing lift cylinder, and the single blue coded hose goes to the rod end of the right wing lift cylinder.
 - c. Red coded hoses connect to the rotary cutter left wing. They occupy the two positions along the bottom of the breakaway stand. The double red coded hose goes to the clevis end of the left wing lift cylinder, and the single blue hose goes to the rod end of the left wing lift cylinder.
3. **Single acting cylinder kit** – The double blue and double red hoses will not be present. The single blue coded hose will run to the rod end of the right wing lift cylinder. The single red coded hose will run to the rod end of the left wing lift cylinder.
4. **Double acting cylinder kit** – Left and right wings are paired together. The single blue coded hose runs to the rod ends of the wing lift cylinders. The double blue coded hose runs to the clevis end of the wing lift cylinders.
5. **Independent double acting cylinder kit** – In this case hose routing is as described in item 2 above. If a selector valve kit is installed refer to the following instructions.
6. When connecting to a 10' rotary cutter, the lower red coded positions will not be used.



ASSEMBLY

Installing Selector Valve Kit

The selector valve kit reduces the number of tractor hydraulic outlets required to operate the FLEX-ARM and rotary cutter by one. For example, in order to operate the FLEX-ARM with independent double acting wing lift four hydraulic circuits are required, with the selector valve kit installed, only three are required. Install the selector valve kit as follows:

1. Bolt the selector valve to the cross bar using 2-1/4 X 3 bolts, with locknuts. The solenoid faces downward.
2. Install fittings in the selector valve. The A1 and B1 use one adapter, 3/4-16 ORB male x 3/4-16 JIC female, followed by a 3/4-16 JIC male elbow. The A2 and B2 use a 90° elbow, 3/4-16 ORB male x 3/4-16 JIC male.



AsmP-R-0521

ASSEMBLY

Follow directions facing towards the cutter

3. Disconnect the blue coded 242" hose from the breakaway stand and connect to the A2 port of the selector valve. Disconnect the red coded 242" hose from the breakaway stand and connect to the A1 input port of the selector valve.
4. When connecting to a **15' rotary cutter**:
 - a. Connect one red coded 24" hose to B1 port on the selector valve and the middle right position on the breakaway stand.
 - b. Connect the other red coded 24" hose to the B2 port on the selector valve and the bottom right position on the breakaway stand.
 - c. Connect one blue coded 24" hose to the C1 port on the selector valve and the middle left position on the breakaway stand.
 - d. Connect the other blue coded 24" hose to the C2 port on the selector valve and the bottom left position on the breakaway stand.
 - e. Route electrical wires back to the cab of the tractor. A switch box installed in the cab of the tractor will toggle the valve to operate the right wing or the left wing.
5. When connecting to a **10' rotary cutter** (for use on a tractor with only two hydraulic circuits):
 - a. Disconnect the yellow coded hoses from the breakaway stand and remove from the machine. (These should be coded yellow).
 - b. Connect one red coded 24" hose to the B1 port on the selector valve and the top left position on the breakaway stand (which should be coded yellow). Connect the other red coded 24" hose to the B2 port on the selector valve and the bottom right position on the breakaway stand.
 - c. Connect the other red coded 24" hose to the B2 port on the selector valve and the top right position on the breakaway stand (which should be coded yellow).
 - d. Connect one blue coded 24" hose to the C1 port on the selector valve and the middle left position on the breakaway stand.
 - e. Connect the blue coded 24" hose to the C2 port on the selector valve and the bottom left position on the breakaway stand.
 - f. Route electrical wires back to the cab of the tractor. A switch box installed in the cab of the tractor will toggle the valve to operate the right wing or main lift.

ASSEMBLY

ASSEMBLY

Selector Valve Switch Box

The selector valve switch circuit includes a 5 amp fuse. Attach the fuse side of the wire to battery positive.

Connect Lights

Hook up lights by taking the 7 pin tractor plug from the cutter and attaching it to the receptacle located under the lights on the right hand side of the FLEX-ARM.



INSTALL THE DRIVELINE BETWEEN THE ROTARY CUTTER AND THE FLEX-ARM

Use the driveline that was shipped with the FLEX-ARM to connect the drive between the FLEX-ARM and rotary cutter. Ensure that driveline yokes and gearbox shafts are dirt free and greased before attachment. The yokes on this drive shaft use a tapered pin to lock the yoke to the gearbox input shafts. Slide the yoke onto the rotary cutter's divider gearbox shaft, align the tapered pin to the groove on the gearbox shaft and tighten the nut on the tapered pin.

IMPORTANT: The tapered pin must align with the groove in the gearbox shaft in order to get a secure connection.

Repeat for the yoke that will attach to the FLEX-ARM gearbox shaft.



ASSEMBLY

Relocate the Rotary Cutter CV Driveline to the FLEX-ARM

Use the constant velocity driveline assembly that was shipped with the rotary cutter and connect it to the input gearbox on the FLEX-ARM. Ensure that driveline yokes and gearbox shafts are dirt free and greased before attachment. The implement yoke on this drive shaft use a tapered pin to lock the yoke to the gearbox input shafts. Slide the yoke onto the FLEXARMs input gearbox shaft, align the tapered pin to the groove on the gearbox shaft and tighten the nut on the tapered pin. If not connecting the CV driveline to the tractor it can rest on the curved plate at the front of the hitch.



Driveline Shield

IMPORTANT: OSHA, ASABE and SAE standards require that all rotating shafts be guarded against contact. The unchained plastic shields can rotate with the driveline, but must stop when they contact another object.

Driveline shields may be chained to the gearbox cone using the supplied chains. The shields must be regularly greased and checked



IMPORTANT: Scan this QR Code with your smart phone to link to the ADMA Driveline Safety Manual for more information on the safe use of a driveline during normal operation and maintenance. Or type in your internet browser the following web address: www.algqr.com/dme Ops-0009-MISC str



ASSEMBLY

INSTALL STOP BLOCKS (OPTIONAL)

When the FLEX-ARM is in transport position, it will stick out 70" to the left side of the tractor. This allows the rotary cutter and FLEXARM to be exactly centered behind the tractor. In some cases; for instance when working on a narrow road or when the FLEX-ARM is repeatedly extended and retracted, the amount of stick out to the left of the tractor may not be desirable because of consideration for oncoming traffic. In this case stop blocks can be installed to limit the amount of stick out to the left of the tractor to 55". When the stop block is installed the rotary cutter will trail 19" to the right of center. To install the stop blocks, place on block on either side of the transport lock bar and bolt in place using 2-5/8" X 4-1/2 bolts and lock nuts. One bolt should face up and one down in order limit pressure on the threaded portion of each bolt.



Pre-Delivery Checklist

IMPORTANT: Check oil level in all gearboxes before operation. Refer to the 'Lubrication' section of this manual for recommended oil type and viscosity.

- Lubricate all grease fittings. Refer to the grease schedule in this manual.
- Check that all nuts and bolts are in place and properly tightened. Refer to the 'Maintenance' section of this manual for required bolt grades and torques.
- Check that all tires are inflated to proper specifications. Refer to the 'Maintenance' section of this manual for required tire pressures.
- Are all decals in place? Check the "SAFETY" section of this manual for decal location.

OPERATION SECTION

Operation Section 4-1

OPERATION

SCHULTE FLEX-ARM 1510 OPERATION INSTRUCTIONS

SCHULTE Flex-Arms are manufactured with quality material by skilled workers. These arms are designed to allow the operator to travel on the road while the 10' or 15' rotary cutter cuts the ditch slope. The rotary cutter is equipped with protective deflectors and/or chain guards to prevent objects being thrown from the mower by the blades, however, no shielding is 100% effective. All shields, guards, deflectors, and chains equipped on the unit must be maintained on the cutter in good operational condition.

It is the operator's responsibility to be knowledgeable of all potential operating hazards and to take every reasonable precaution to ensure oneself, others, animals, and property are not injured or damaged by the Flex-Arm, mower, tractor, or a thrown object. Do not operate the Flex-Arm and mower if passersby, pets, livestock, or property are within 300 feet of the unit.

This section of the Operator's Manual is designed to familiarize, instruct, and educate safe and proper mower use to the operator. Pictures contained in this section are intended to be used as a visual aid to assist in explaining the operation of a Flex-Arm and flex-wing rotary cutter and are not necessarily of a Flex-Arm and rotary cutter. Some pictures may show shields removed for picture clarity. NEVER OPERATE these implements without all shields in place and in good operational condition. The operator must be familiar with the Flex-Arm, mower and tractor operation and all associated safety practices before operating the Flex-Arm, mower and tractor. Proper operation of the Flex-Arm and mower, as detailed in this manual, will help ensure years of safe and satisfactory use.

READ AND UNDERSTAND THE ENTIRE OPERATING INSTRUCTIONS AND SAFETY SECTION OF THIS MANUAL AND THE TRACTOR MANUAL BEFORE ATTEMPTING TO USE THE TRACTOR AND IMPLEMENT. If you do not understand any of the instructions, contact your nearest authorized dealer for a full explanation. Pay close attention to all safety signs and safety messages contained in this manual and those affixed to the implement and tractor. *OPS-U- 0001str*

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



PELIGRO

Si no lee ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad. (SG-3str)

**¡ LEA EL
INSTRUCTIVO!**



OPERATION

1. OPERATOR REQUIREMENTS

Safe operation of the unit is the responsibility of a qualified operator. A qualified operator has read and understands the implement and tractor Operator's Manuals and is experienced in implement and tractor operation and all associated safety practices. In addition to the safety messages contained in this manual, safety signs are affixed to the implement and tractor. If any part of the operation and safe use of this equipment is not completely understood, consult an authorized dealer for a complete explanation.

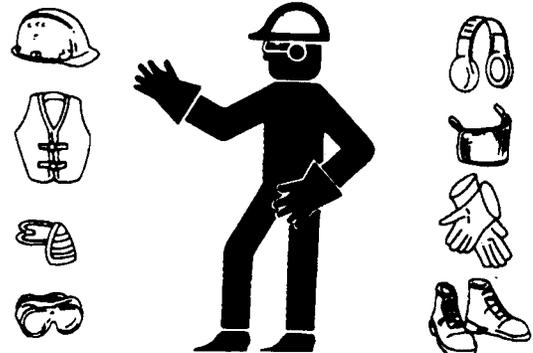
If the operator cannot read the manuals for themselves or does not completely understand the operation of the equipment, it is the responsibility of the supervisor to read and explain the manuals, safety practices, and operating instructions to the operator.

Safe operation of equipment requires that the operator wear approved Personal Protective Equipment (PPE) for the job conditions when attaching, operating, servicing, and repairing the equipment. PPE is designed to provide operator protection and includes the following safety wear:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Always Wear Safety Glasses (with side shields marked to comply with ANSI Z87)
- Hard Hat
- Steel Toe Safety Footwear
- Gloves
- Hearing Protection
- Close Fitting Clothing
- Respirator or Filter Mask (depends on operating conditions)

OPS-U- 0002str



OPERATION

2. TRACTOR REQUIREMENTS

The tractor used to operate the mower must have the power capacity to lift, pull, and operate the Power Take Off (PTO) at the mower's rated speed while traveling at a ground speed between 2 and 5 MPH. Operating the mower with a tractor that does not meet the following requirements may cause tractor or mower damage and be a potential danger to the operator and passersby.

Tractor Requirements and Capabilities

- ASABE approved Cab with Protective Structure and seat belt.
- Tractor Safety Devices Slow Moving Vehicle (SMV) emblem, lighting, PTO master shield
- Tractor Horsepower FLX-1510 (15' configuration) - 85 HP
FLX-1510 (10' configuration) - 75 HP
- Drawbar Set length according to operating speed and driveline type, rated to carry weight of the mower, safety chain attachment point
- Hydraulics - Minimum 3 remote circuits @1750psi
- Front End Weights As needed to maintain 20% weight on front axle
- Power Take Off Operating speed and shaft size depends on operating speed and driveline type of the mower.
- Tire Spacing Set tires minimum width of 60" inside to inside of tires

2.1 ROPS and Seat Belt

The tractor must be equipped with a Roll-Over-Protective-Structure (ROPS) (tractor cab or roll-bar) and seat belt to protect the operator from falling off the tractor, especially during a roll over where the driver could be crushed and killed. Only operate the tractor with the ROPS in the raised position and seat belt fastened. Tractor models not equipped with a ROPS and seat belt should have these life saving features installed by an authorized dealer. OPS-U- 0003str



Operate this Equipment only with a Tractor equipped with an approved roll-over-protective system (ROPS). Always wear seat belts. Death or serious injury could result from falling off the tractor, particularly during a turnover when the operator could be pinned under the ROPS. (SG-7) str



2.2 Tractor Safety Devices

If transporting or operating the tractor and implement near a public roadway, the tractor must be equipped with proper warning lighting and a Slow Moving Vehicle (SMV) emblem which are clearly visible from the rear of the unit. Lights and a SMV emblem must be equipped directly on implements if the visibility of the tractor warning signals are obscured.

Maintain all manufacturer equipped safety shields and guards. Always replace shields and guards that were removed for access to connect, service, or repair the tractor or implement. Never operate the tractor PTO with the PTO master shield missing or in the raised position. OPS-U- 0004str

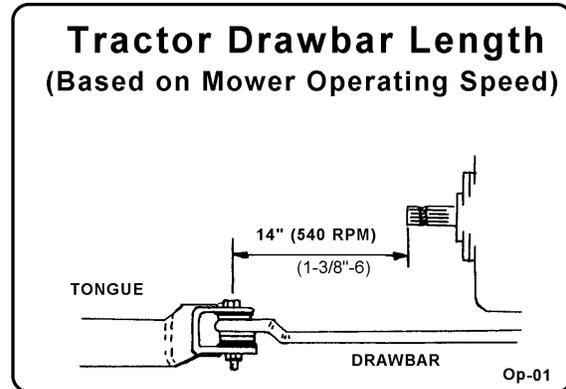
OPERATION

2.3 Tractor Horsepower

The horsepower required to operate the mower depends on several operating factors including the vegetation to be cut, terrain condition, operator experience, condition of the mower and tractor, and others. For most mowing conditions, the Eagle 10 mower requires a tractor with a minimum of 40 HP and the Eagle15 mower requires a tractor with a minimum of 50 HP. Operating the mower with a tractor that does not have adequate power may damage the tractor engine. Exceeding 100 HP for a 540 RPM drive and 140 HP for a 1000 RPM drive may cause mower damage by overpowering the unit in heavy cutting conditions.

2.4 Drawbar

Position the length of the drawbar from the end of the tractor PTO shaft to the drawbar hitch hole according to the operating speed of the mower. If the mower is a 540 RPM unit, position the drawbar length from shaft end to hitch hole at 14". For 1000 RPM mowers, set the drawbar length at 16" for 21 spline 1-3/8" mowers and at 20" for 1-3/4" 20 spline mowers



IMPORTANT: Scan this QR Code with your smart phone to link to the PAMI Safe Implement Hitching Manual for more information on correctly connecting agricultural tractors to implements. Or type in your internet browser the following web address: www.algqr.com/hme_Ops-0008-MISC_str



2.5 Tractor Hydraulics

The mower deck and wings are raised and lowered with hydraulic cylinders operated by the tractor hydraulic pump. There are several ways to configure the mower hydraulics depending on the number of tractor selective control valves and if they are four double acting. The mower can be operated on a tractor with a minimum of four single acting circuits. One double acting and two single acting cylinders or a three spool control valve must be used to operate the mower equipped with hydraulic phasing cylinders.

Refer to the assembly and parts section of this manual for hydraulic system set-up or contact an authorized dealer for the best configuration depending on your tractor hydraulic capabilities and your intended mower use

2.6 Front End Weight

A minimum of 20% total tractor weight must be maintained on the tractor front end at all times. Front end weight is critical to maintain steering control and to prevent the tractor from rearing up while driving. If the front end is too light, add weight until a minimum of 20% total weight is reached on the front tires. Front weights and weight carriers can be purchased through an authorized tractor dealership. OPS-U-0005 str

OPERATION

2.7 Power Take Off (PTO)

Depending on the unit, the mower is designed to operate at a PTO speed of 540 or 1000 RPM. Most tractors operate at either 540, or a combination of 540 and 1000 RPM PTO speeds. The operating speed of the mower and tractor can be determined by the number of splines on the driveline yoke and PTO output shaft. Those operating at 540 RPM will have a 6-spline shaft and those operating at 1000 RPM will have a 20 or 21-spline shaft. **Note:** Refer to the tractor owner's manual for instructions to change PTO speeds on models that operate at more than one speed.

If operating an older model tractor where the tractor's transmission and PTO utilize one master clutch, an over-running clutch must be used between the PTO output shaft and the driveline of the mower. An authorized tractor dealer can provide the over-running clutch and its installation if needed. OPS-U-0006_A str



DANGER

DO NOT use a PTO adapter to attach a non-matching Implement driveline to a Tractor PTO. Use of an adapter can double the operating speed of the Implement resulting in excessive vibration, thrown objects, and blade and implement failure. Adapter use will also change the working length of the driveline exposing unshielded driveline areas. Serious bodily injury and/or equipment failure can result from using a PTO adapter. Consult an authorized dealer for assistance if the Implement driveline does not match the Tractor PTO. (S3PT-14) str



WARNING

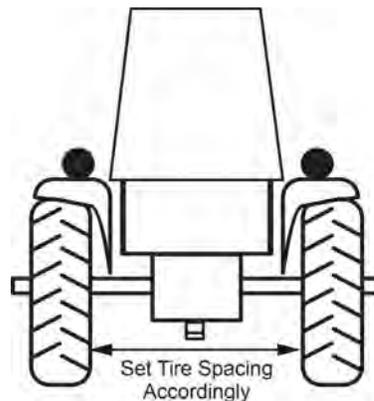
Never operate the Tractor and Mower if the Implement input driveline is directly connected to the Tractor transmission. Tractor braking distances can be substantially increased by the momentum of the rotating Mower blades driving the Tractor transmission even though the Tractor clutch has been disengaged. Install an over running clutch between the Tractor PTO and the Mower driveline to prevent this potentially dangerous situation. (S3PT-16) str

2.8 Tire Spacing



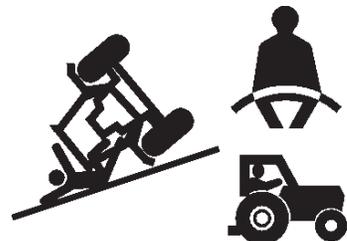
WARNING

The tire spacing of the tractor must be sufficient to maintain stability on the type of terrain where it is intended to be operated and for the type of implement that is being operated. Always refer to the tractor Operator's Manual or consult the tractor's authorized dealer for instructions on sufficient tire spacing or to change tractor tire spacing. Operating without sufficient tire spacing to maintain stability can result in loss of control of the tractor, a rollover accident, or death or serious injury.



WARNING

Operate this Equipment only with a Tractor equipped with an approved roll-over-protective system (ROPS). Always wear a seat belt. Death or serious injury can result from falling off the tractor and/or becoming pinned or trapped under the tractor or implement particularly during a rollover accident.



OPERATION

3.GETTING ON AND OFF THE TRACTOR

Before getting onto the tractor, the operator must read and completely understand the implement and tractor operator manuals. If any part of either manual is not completely understood, consult an authorized dealer for a complete explanation. OPS-U- 0007str



Do not mount or dismount the Tractor while the tractor is moving. Mount the Tractor only when the Tractor and all moving parts are completely stopped. Dismounting a moving power unit can result in a crushing hazard that can cause death or serious injury. (SG-12) str



3.1 Boarding the Tractor

Use both hands and equipped handrails and steps for support when boarding the tractor. Never use control levers for support when mounting the tractor. Seat yourself in the operator's seat and secure the seat belt around you.

Never allow passengers to ride on the tractor or attached equipment. Riders can easily fall off and be seriously injured or killed from falling off and being ran over. It is the operator's responsibility to forbid all extra riders at all times. OPS-U- 0008str



Never allow children to operate, ride on, or come close to the Tractor or Implement. Usually, 16-17 year-old children who are mature and responsible can operate the implement with adult supervision, if they have read and understand the Operator's Manuals, been trained in proper operation of the tractor and Implement, and are physically large enough to reach and operate the controls easily. (SG-11) str



Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in death or serious injury. (SG-10)str



3.2 Dismounting the Tractor

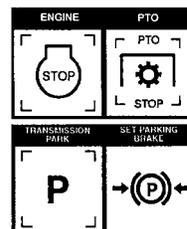
Before dismounting, park the tractor and implement on a reasonably level surface, apply the parking brake, idle the engine down, disengage the PTO, and lower the implement to the ground. Shut down the tractor engine according to the operator's manual, remove the key, and wait for all motion to completely stop. Never leave the seat until the tractor, its engine and all moving parts have come to a complete stop.

Use hand rails and steps when exiting the tractor. Be careful of your step and use extra caution when mud, ice, snow or other matter has accumulated on the steps or hand rails. Use all handrails and steps for support and never rush or jump off the tractor. OPS-U- 0009 str

OPERATION



BEFORE leaving the tractor seat lower the implement, set the parking brake and/or set the tractor transmission in parking gear, disengage the PTO, stop the engine, remove the key, and wait for all moving parts to stop. Place the tractor shift lever into a low range or parking gear to prevent the tractor from rolling. Never dismount a Tractor that is moving or while the engine is running. Operate the Tractor controls from the tractor seat only. (SG-9)str



Use hand rails and steps when exiting the tractor. Be careful of your step and use extra caution when mud, ice, snow or other matter has accumulated on the steps or hand rails. Use all hand rails and steps for support and never rush or jump off the tractor.

4. STARTING THE TRACTOR

The operator must have a complete understanding of the placement, function, and operational use of all tractor controls before starting the tractor. Review the tractor operator's manual and consult an authorized dealer for tractor operation instructions if needed.

Essential Tractor Controls:

- Locate the light control switch.
- Locate the engine shut off control.
- Locate the brake pedals and the clutch.
- Locate the PTO control.
- Locate the 3-point hitch control lever.
- Locate the hydraulic remote control levers

Before starting the tractor ensure the following:

- Conduct all pre-start operation inspection and service according to the tractor operator's manual.
- Make sure all guards, shields, and other safety devices are securely in place.
- The parking brake is on.
- The PTO control lever is disengaged.
- The 3-point hitch control lever is in the lowered position.
- The hydraulic remote control levers are in the neutral position.
- The tractor transmission levers are in park or neutral.

Refer to the tractor owner's manual for tractor starting procedures. Only start the tractor while seated and belted in the tractor operator's seat. Never bypass the ignition switch by short circuiting the starter solenoid. After the tractor engine is running, avoid accidental contact with the tractor transmission to prevent sudden and unexpected tractor movement. OPS-U-0028str



Never run the Tractor engine in a closed building or without adequate ventilation. The exhaust fumes can be hazardous to your health. (SG-23) str



Start tractor only when properly seated in the Tractor seat. Starting a tractor in gear can result in death or serious injury. Read the Tractor operators manual for proper starting instructions. (SG-13) str



OPERATION

5.CONNECTING THE FLEX-ARM TO THE TRACTOR

Refer to the ASSEMBLY SECTION of this manual for information regarding connection of the FLEX-ARM to the rotary cutter.

5.1 Connecting Mower Hydraulic Lines to the Tractor

With the tractor shut down and secured in position, relieve hydraulic pressure from the tractor by moving the control levers back and forth several times or placing the levers in the float position. Keep mower hydraulic lines, hoses, quick couplers, and swivels free of contamination. Never leave a disconnected hose end open and cap the tractor hydraulic outlet ports when not in use. If the tractor ports or cutter hydraulic hose ends become contaminated, wipe clean with a rag before connecting.



Do not operate this Equipment with hydraulic oil or fuel leaking. Oil and fuel are explosive and their presence could present a hazard. Do not check for leaks with your hand! High-pressure oil streams from breaks in the line could penetrate the skin and cause tissue damage including gangrene. To check for a hose leak, SHUT the unit ENGINE OFF and remove all hydraulic pressure. Wear oil impenetrable gloves, safety glasses and use cardboard to check for evidence of oil leaks. If you suspect a leak, REMOVE the HOSE and have it tested at a Dealer. If oil does penetrate the skin, have the injury treated immediately by a physician knowledgeable and skilled in this procedure. (SG-15) str



LX-1510 Hydraulic Circuit Requirements, 15' Requirements

Hoses and breakaways are provided in order to connect to a 15' rotary cutter with individual single acting wing circuits. A total of 4 hydraulic circuits are required. Two of the circuits require float positions on the control valves in order to operate the single acting wing circuits on the rotary cutter.

FLX-1510 Hydraulic Circuit Requirements, 10' Requirements

Hoses and breakaways are provided in order to connect to a 10' rotary cutter with single acting wing circuit. A total of 3 hydraulic circuits are required. One of the circuits requires a float position on the control valve in order to operate the single acting wing circuit of the rotary cutter.

Hydraulic Line Support

After connecting the Flex-Arm hydraulic lines to the tractor, and mower hydraulics to the Flex-Arm, support the hoses with the equipped brackets. Ensure that hoses do not contact the driveline, do not bind while turning, and do not become pinched or kinked.

Hydraulic Cylinder Priming

Hydraulic Cylinders must be filled with hydraulic oil before removing the wing transport pins to lower the mower wings and deck. Hydraulic cylinders and lines are filled by holding the valve control levers in the raised position until the cylinders fully retract (wing cylinders) and extend (center cylinder). Place control levers in the float position and repeat process several more times to purge all air from the system. Ensure wings are entirely supported by the cylinders before removing the transport pins. NEVER drive out pins and NEVER remove transport pins that have tension on them.

OPERATION

6. SETTING THE MOWER

Properly setting the cutting height is essential for efficient and safe operation. A properly set mower will make a more uniform cut, distribute clippings more evenly, require minimal tractor work, and follow the contour of uneven terrain. **NOTE:** Avoid very low cutting heights, striking the ground with the blades gives the most damaging shock loads and will cause damage to the mower and drive. Blades contacting the ground may cause objects to be thrown out from under the mower deck. Always avoid operating the mower at a height which causes the blades to contact the ground. OPS-U- 0010 str



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 death or serious injury. (SG-14)str



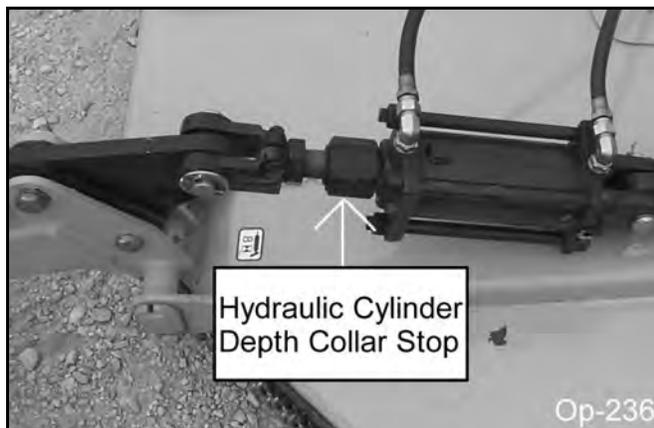
OPERATION

6.1 Setting Deck Height

The cut height for the center section is set by extending or shortening the depth collar located on the center lift cylinder. Cutting height for the wing cylinders will be automatically controlled by the hydraulic phasing system. Depth stops are also provided on the wing cylinders as back up for fine adjustments.

IMPORTANT: If depth control stops are not set at the same height as the center cylinder, internal damage may occur to the phasing cylinders.

The cutter should always be operated in the highest position that will produce the desired cutting results. Operating at increased heights will minimize the chances of blades contacting the ground and discharging debris.



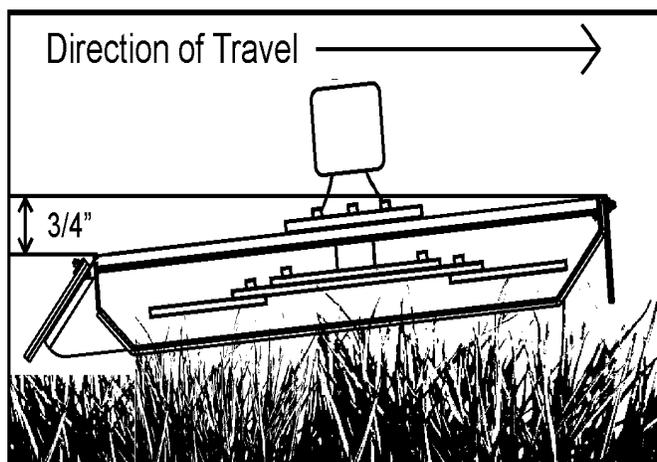
6.2 Setting Deck Pitch

Mower should be operated with the deck approximately 3/4" HIGHER IN THE FRONT THAN THE REAR.

Operating the mower at this pitch will allow the mower to cut the grass twice and can result in a more even cut and improved distribution of the cut material.

IMPORTANT: Adjust the leveling rods the same amount and maintain equal tension in the rods. Improper adjustment may cause rods to snap or bend. Re-tighten the jamnuts after the deck pitch has been set

NOTE: Adjusting the cutter deck higher at the front can help reduce scalping.



OPERATION

7. DRIVELINE ATTACHMENT

The driveline yoke and tractor PTO shaft must be dirt free and greased for attachment. To connect the CV (constant velocity) driveline to the tractor PTO output shaft, twist driveline yoke collar and align the grooves and splines of the yoke with those of the PTO shaft. Push the driveline yoke onto the PTO shaft, release the locking collar, and position the yoke until the locking collar balls are seated onto the PTO shaft. Push and pull the driveline back and forth several times to ensure a secure attachment..



IMPORTANT: DO NOT use a non-CV tractor shaft. Driveline damage will occur when turning the implement.



WARNING When attaching the PTO yoke to the Tractor PTO shaft, it is important that the spring activated locking collar slides freely and the locking balls are seated securely in the groove of the PTO shaft. A driveline not attached correctly to the Tractor PTO shaft could slip off and result in personal injury and damage to the cutter.

7.1 Constant Velocity (CV) Driveline

For mowers equipped with a Constant Velocity (CV) driveline, the maximum turning angle between the tractor and mower must be determined to ensure the joint angle does not over-extend which can cause CV joint damage. Constant Velocity joints enable the driveline to operate smoothly with no vibrations and clattering at angles up to 70°. Angles greater than 80° can result in mechanical damage to the CV joint and mower driveline

The Constant Velocity joint must be lubricated every 8 hours of operation as specified in the Maintenance Section. Failure to properly lubricate the joint will result in accelerated wear and joint component failure.

CV Driveline Maximum Angle Check Procedure

With the **mower attached** to the tractor and the **driveline disconnected** from the tractor PTO stub make a hard left turn until there is approximately a 1" clearance between the left rear tractor tire and mower frame or tongue.

Stop and completely shut down the tractor. Place the tractor in Park and apply the Parking Brake before dismounting.

Check the CV joint at this maximum turning radius by holding the driveline yoke above the PTO shaft and then angle the CV joint to its maximum angle. A minimum difference of 10 degrees between the center line of the yoke and the PTO shaft must be maintained to ensure the joint will not be over angled. If the joint cannot be angled at least 10°, there is a potential problem of over-angling the joint while making sharp turns.

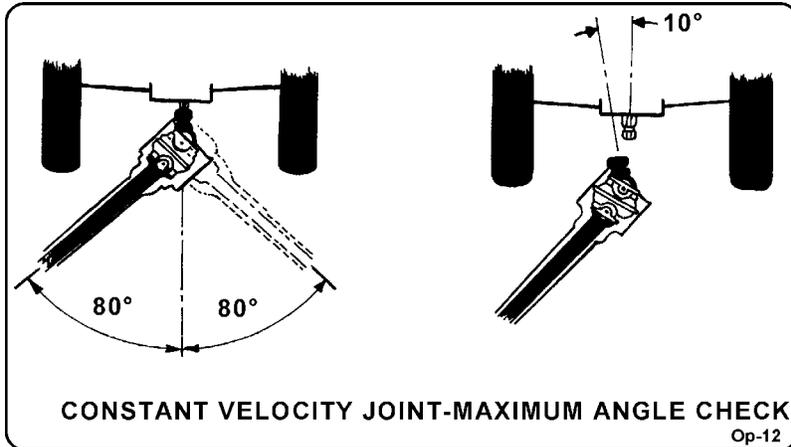
Solutions: To ensure the joint is not damaged, check the following:

Check the drawbar length to ensure that it is at the proper length for the RPM speed of the mower.

Move the tractor rear tires wider apart to limit the tractor turning radius.

OPERATION

Position the mower at multiple angles and perform the above procedure. Determine the sharpest turning radius that maintains a safe operating angle and note this position to the operator. *OPS-R-0006 str*



OPERATION



Do not turn so sharp or lift mower so high to produce a severe "knocking" of the Driveline which will cause accelerated wear and breakage of drive train components and could result in possible injury from the separated Driveline sections. *(SRM-04) str*

IMPORTANT: Scan this QR Code with your smart phone to link to the ADMA Driveline Safety Manual for more information on the safe use of a driveline during normal operation and maintenance. Or type in your internet browser the following web address: www.algqr.com/dme *Ops-0009-MISC str*



OPERATION

8. PRE-OPERATION INSPECTION AND SERVICE

Before each use, a pre-operation inspection and service of the implement and tractor must be performed. This includes routine maintenance and scheduled lubrication, inspecting that all safety devices are equipped and functional, and performing needed repairs. DO NOT operate the unit if the pre-operation inspection reveals any condition affecting safe operation. Perform repairs and replacement of damaged and missing parts as soon as noticed. By performing a thorough pre-operation inspection and service, valuable down time and repair cost can be avoided. OPS-U-0029str



Always disconnect the main PTO Driveline from the Tractor before performing service on the Implement. Never work on the Implement with the tractor PTO driveline connected and running. Rotating Parts, Blades or Drivelines could turn without warning and cause immediate entanglement, injury or death. (S3PT-11)str



DO NOT allow any person under a folded wing unless wing is securely locked up or supported. **DO NOT** approach the Implement unless the Tractor is turned off and all motion has ceased. Never work under the frame work, or any lifted component unless the implement is securely supported or blocked up. A sudden or inadvertent fall by any of these components could cause serious injury or even death. (STI-03) str



Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Make sure all pins have cotter pins and washers. Serious injury may occur from not maintaining this machine in good working order. (SG-21)str



OPERATION

9. TRACTOR PRE-OPERATION INSPECTION/SERVICE

Refer to the tractor operator's manual to ensure a complete pre-operation inspection and scheduled service is performed according to the manufacturers recommendations. The following are some of the items that require daily service and inspection:

- Tire condition/air pressure
- Wheel lug bolts
- Steering linkage
- PTO shield
- SMV sign is clean and visible
- Tractor's lights are clean and functional
- Tractor Seat belt is in good condition
- ROPS is in the raised position
- No tractor oil leaks
- Radiator free of debris
- Engine oil level and condition
- Engine coolant level and condition
- Power brake fluid level
- Power steering fluid level
- Fuel condition and level
- Sufficient lubrication at all lube points
- Air filter condition OPS-U-0030 str

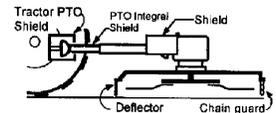


9.1 Mower Pre-Operation Inspection/Service

Before each mower use, a complete inspection and service is required to ensure the mower is in a good and safe working condition. Damaged and/or broken parts should be repaired and/or replaced immediately. To ensure the mower is ready for operation, conduct the following. OPS-R-0007 str



All Safety Shields, Guards and Safety devices including (but not limited to) - the Deflectors, Chain Guards, Steel Guards, Gearbox Shields, PTO integral shields, and Retractable Door Shields should be used and maintained in good working condition. All safety devices should be inspected carefully at least daily for missing or broken components. Missing, broken, or worn items must be replaced at once to reduce the possibility of injury or death from thrown objects, entanglement, or blade contact. (SGM-3str)



Replace bent or broken blades with new blades. NEVER ATTEMPT TO STRAIGHTEN, WELD, OR WELD HARDFACING ON BLADES SINCE THIS WILL LIKELY CRACK OR OTHERWISE DAMAGE THE BLADE WITH SUBSEQUENT FAILURE AND POSSIBLY CAUSE SERIOUS INJURY FROM THROWN BLADES. (SGM-10) str

OPERATION

The operator's manual and safety signs affixed on the unit contain important instructions on the safe and proper use of the equipment. Maintain these important safety features on the implement in good condition to ensure the information is available to the operator at all times.

- Ensure the manual canister is secured to the equipment with the operator's manual inside.
- Ensure all safety signs are in place and legible. Replace missing, damaged, and illegible decals. *OPS-U-0011 str*



- Ensure the mower hitch is securely attached to the tractor drawbar with a proper size bolt and secured nut.
- Ensure that a properly rated safety tow chain is equipped securing the mower to the tractor.
- Check that the main driveline is securely attached to the tractor and the clamping cone is seated in the groove of the PTO shaft.
- Ensure the divider drivelines are secure at both ends. *OPS-R-0008 str*



- Ensure chain guards and/or rubber deflectors are in position and not damaged. Replace worn, broken, and missing sections immediately.
- Ensure the driveline integral shields are in good condition and rotate freely.
- Inspect that all bolts and screws are in position and are properly torqued. *OPS-R-0009_1 str*



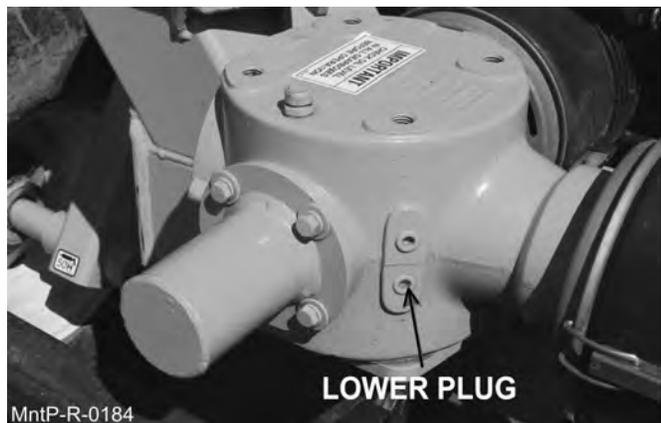
OPERATION

OPERATION

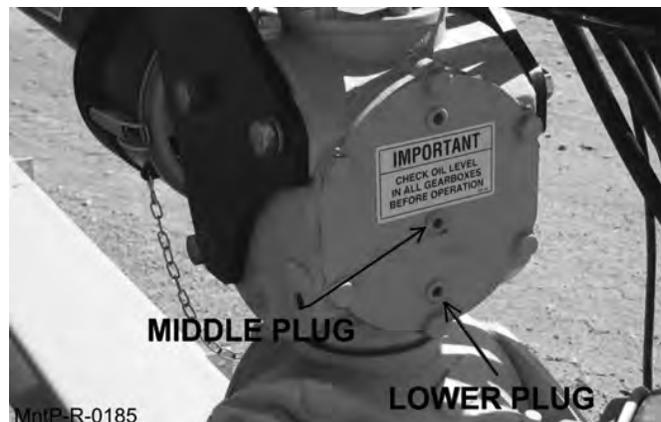
- Ensure the tractor PTO master shield is in place, lowered and in good condition.
- Ensure each mower slip clutch shield is secured in place and in good condition.
- Ensure the driveline slip clutches are properly adjusted and the friction plates are not frozen together. Reference the Maintenance Section for proper slip clutch maintenance. *OPS-R-0010_O str*



- Perform scheduled lubrication as specified in the maintenance section.
- Inspect each gearbox oil level using dipstick level indicator and replenish if needed. A low oil level is a warning sign that the gearbox may be cracked or its seal is damaged and needs to be replaced.
- Ensure all gearbox vents are in place and free from clogs. *OPS-R-0011_W str*



- Perform scheduled lubrication as specified in the Maintenance Section.
- Inspect each gearbox oil level and replenish if needed. A low oil level is a warning sign that the gearbox may be cracked or its seal is damaged and needs to be replaced.
- Ensure all gearbox vents are in place and free from clogs. *OPS-FLX-0003_A str*



OPERATION

- Ensure each hydraulic cylinder is installed and retained correctly. Ensure the proper size pins are used to retain the cylinders in place and are secured with pins.
- Check for hydraulic oil leaks on the cylinders, along the hydraulic lines, and at tractor hydraulic ports. **IMPORTANT:** DO NOT use your hands to check for oil leaks. Use a piece of heavy paper or cardboard to check for hydraulic oil leaks. OPS-FLX-0004_A str



- Ensure that the mower is equipped and secured with wing transport locks..
- Check the condition of the wing hinge pins.
- Check the condition of the mower axle suspension spring.
- Inspect mower tire condition, wheel bearings, and lug nut torque. OPS-R-0014_I str



- Inspect blades and blade bolts for looseness and excessive wear. Make sure the mower is securely blocked up before crawling beneath. Make sure that wing lock pins are installed before approaching a raised wing. Replace damaged, worn and missing blades as complete sets to maintain rotary balance.
- Ensure carrier hub nuts are tightened with the cotter pin inserted and spread.
- Inspect the condition of the deck skid shoes and the skid shoe attaching hardware.
- Check that the hitch pins are securely in place. Make sure safety chains are securely wrapped around the tractor, flex arm and mower. OPS-FLX-0005_A str

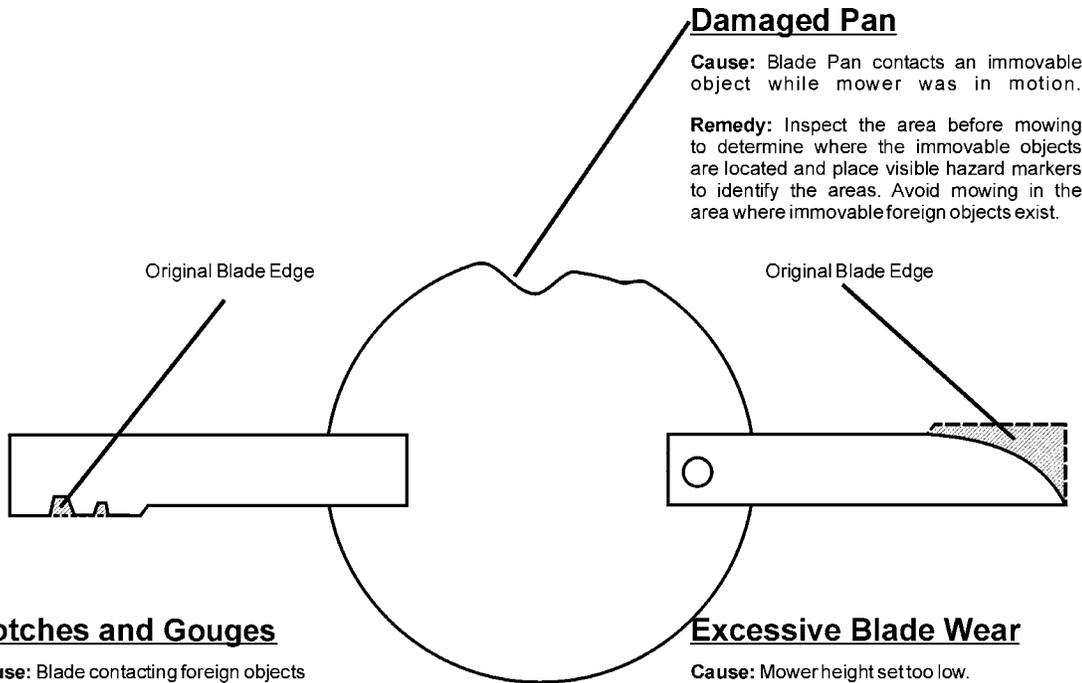


OPERATION

OPERATION

9.2 Cutting Component Inspection

Inspect blade pan and blade assembly for the following:



Op-22

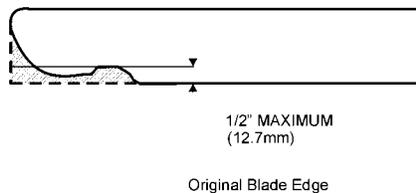
OPS-U-0031str



Inspect the Blades daily for abnormal wear. REPLACE BOTH BLADES on that carrier IMMEDIATELY if either blade has:

- Become bent or deformed from it's original shape or
- Any cracks are visible, or
- Deep gouges in the blade's surface are present, or
- Gouges or chipped areas in the cutting edge are larger than 1/2" (12.7mm), or
- The material on the leading edge has been worn away by more than 1/2" (12.7mm)"

Failure to replace abnormally worn blades may lead to catastrophic failure of the blades and ejection of the broken part with tremendous force which may cause serious bodily injury or death. OPS-U-0032str



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

OPERATION

9.3 Blade Bolt Inspection

Inspect Blade Bolt Head daily for wear as follows:

Excessive Blade Bolt Wear

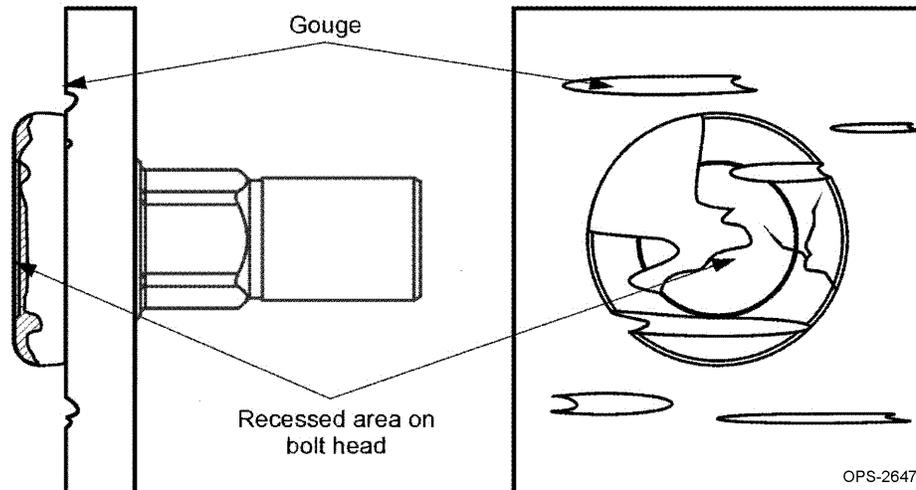
Cause: Blade Bolt contacts a foreign or solid object while Blade is in motion.

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.



Inspect the Blade Bolt Heads daily for abnormal wear. REPLACE BOTH BLADE BOLTS on the Blades IMMEDIATELY if either blade bolts has:

- Visible cracks or
- If the recessed area on blade bolt is worn off or
- If Blade Bolt has gouges or chipped areas.

Failure to replace abnormally worn blade bolts may lead to catastrophic failure of the blades and ejection of the broken part which may cause serious bodily injury or death.

Always replace Blade Bolts with new bolts whenever replacing the Blades. *OPS-U-0037_C str*

OPERATION

FLEX-ARM PRE-OPERATION INSPECTION



Mower ID# _____

Date: _____

IMPORTANT: Scan this QR Code for an electronic copy of this inspection sheet.

Inspection Sheets



www.algqr.com/fai



Before conducting the inspection, make sure the tractor engine is off, all rotation has stopped and the tractor is in park with the parking brake engaged. Make sure the mower is resting on the ground or securely blocked up and all hydraulic pressure has been relieved.

OPERATION

Item	Condition at Start of Shift	Specific Comments if not OK
The Operator's Manual is in the canister on the Flex Arm		
All safety decals are in place and legible		
The tongue/hitch connection bolts and pins are tight		
There are no cracks in tongue or Flex-Arm		
The tow chain is secured to the tractor and Flex-Arm		
The hydraulic cylinder pins are retained properly		
There are no leaking or damaged hoses		
The Flex-Arm is clear of cut grass and debris		
All guards/deflectors are in place and in good condition		
Driveline/gearbox shields are in good condition		
Driveline telescoping members and U-joints are lubricated		
All driveline yokes are securely attached		
Gearbox mounting bolts are tight		
Gearbox oil is at the proper level		
Check for damage and condition of tires		
Check for missing or improperly tightened hardware		
Wheel lug nuts are tight		
Transport locks are in good condition		
Proper hourly greasing done as per Operator's Manual		

Make: _____ Shift: _____

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or MOWER

OPERATION

TRACTOR PRE-OPERATION INSPECTION



Tractor ID# _____

Date: _____

Make : _____

Shift: _____



Before conducting the inspection, make sure the tractor engine is off, all rotation has stopped and the tractor is in park with the parking brake engaged. Make sure the implement is resting on the ground or securely blocked up and all hydraulic pressure has been relieved.

OPERATION

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

Operator's Signature: _____

DO NOT OPERATE an UNSAFE TRACTOR or IMPLEMENT

OPERATION

10. DRIVING THE TRACTOR AND IMPLEMENT

Safe tractor transport requires the operator possess a thorough knowledge of the model being operated and precautions to take while driving with an attached implement. Ensure the tractor has the capacity to handle the weight of the implement and the tractor operating controls are set for safe transport. To ensure safety while driving the tractor with an attached implement, review the following. OPS-U- 0012str



This Implement may be wider than the Tractor. Be careful when operating or transporting this equipment to prevent the Implement from running into or striking sign posts, guard rails, concrete abutments or other solid objects. Such an impact could cause the Implement and Tractor to pivot violently resulting in loss of steering control, death, or serious injury. Never allow the Implement to contact obstacles. (S3PT-12)str



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



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

Test the tractor at a slow speed and increase the speed slowly. Apply the Brakes smoothly to determine the stopping characteristics of the Tractor and Implement. As you increase the speed of the Tractor the stopping distance increases. Determine the maximum transport speed not to exceed 20 mph (30 kph) for transporting this equipment.

Test the equipment at a slow speed in turns. Increase the speed through the turn only after you determine that the equipment can be operated at a higher speed. Use extreme care and reduce your speed when turning sharply to prevent the tractor and implement from turning over. Determine the maximum turning speed for you and this equipment before operating on roads or uneven ground.

Only transport the Tractor and Implement at the speeds which allow you to properly control the equipment.

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



OPERATION

10.1 Starting the Tractor

The procedure to start the tractor is model specific. Refer to the tractor operator's manual for starting procedures for your particular tractor. Consult an authorized dealer if the starting procedure is unclear. Ensure the 3-point control lever is in the lowered position and the PTO is disengaged before starting the tractor. OPS-U-0033str



10.2 Brake and Differential Lock Setting

Make sure the tractor brakes are in good operating condition. Tractor brakes can be set to operate independently allowing single rear wheel braking action or locked together to provide simultaneous rear wheel braking. FOR MOST DRIVING AND OPERATING CONDITIONS, THE BRAKE PEDALS SHOULD BE LOCKED TOGETHER TO PROVIDE THE MOST EFFECTIVE BRAKING ACTION.



Always disengage the tractor differential lock when turning. When engaged the differential lock will prevent or limit the tractor from turning. During normal cutting conditions, locking the differential provides no benefit and should not be used.

⚠ WARNING

Be aware of the operating conditions. Do not operate the Tractor with weak or faulty brakes. When operating down a hill or on wet or rain slick roads, the braking distance increases. Use extreme care and reduce your speed in these conditions. When operating in traffic, always use the Tractor's flashing warning lights and reduce your speed. Be aware of traffic around you and watch out for the other guy. OPS-U- 0013 str

10.3 Operating the Mower Wings

Wings are positioned with hydraulic cylinders. Ensure the hydraulic cylinders and lines are filled with oil by holding the valve control levers in the raised position until the cylinders fully retract (wings) and extend (center). Only operate the mower with both wings fully lowered, NEVER operate the mow strwer with a raised wing. Wait until the blades are at a complete stop before raising wings. OPS-FLX-0006

OPERATION

10.4 Transport Position

To raise mower wings, drive the unit to a level area. DO NOT raise the wings with the rotary cutter positioned on an embankment. Prepare the FLEX-ARM and rotary cutter for road transport as follows

- Retract the rotary cutter's lift and wing lift hydraulic cylinders
- Retract the FLEX-ARM hydraulic cylinder
- Install the transport pin for the FLEX-ARM hydraulic cylinder
- Install transport pins for the rotary cutter center section and wings. Refer to your rotary cutter operator's manual for location of the transport pins.



⚠ DANGER

When the Wings are folded for transport, the center of gravity is raised and the possibility of overturn is increased. Drive slowly and use extreme caution when turning on hillsides. Overturning the Implement could cause the Implement to overturn the Tractor and vice versa resulting in serious injury or even death. Never fold wings on a hillside...the Implement or unit may overturn. (STI-02) str

10.5 Operating Position

To lower the wings, remove the transport lock pins and secure pins at storage location. DO NOT drive out transport pins that have tension on them. After removing pins, extend wing hydraulic cylinders and fully lower wings.

Wing hydraulic control valves should be set in the float detent during operation to allow the mower to follow the contour of uneven terrain and to prevent the wings from creeping up. When extending a wing over a ditch for mowing, place the control valve lever detents in the center position for greater stability. OPS-FLX-0007 str

⚠ WARNING

Use extreme care when lowering or unfolding the implement's wings. Make sure no bystanders are close by or underneath the wings. Allow ample clearance around the implement when folding or unfolding the wings. Use extreme caution around buildings or overhead power lines. (S3PT-05) str

10.6 Driving the Tractor, FLEX-ARM and Rotary Cutter

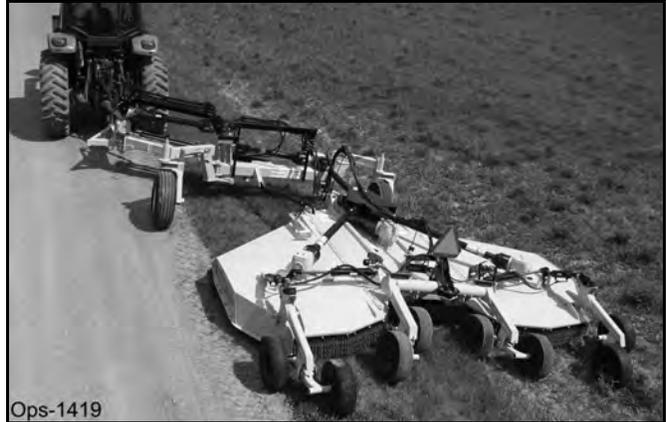
Start off driving at a slow speed and gradually increase your speed while maintaining complete control of the tractor, flex-arm and cutter. Moving slowly at first will also prevent the tractor from rearing up and loss of steering control. The tractor should never be operated at speeds that cannot be safely handled or which will prevent the operator from stopping quickly during an emergency. If the power steering or engine ceases operating, stop the tractor immediately as the tractor will be difficult to control. OPS-FLX-0008 str

OPERATION

⚠️ WARNING

Allow sufficient clearance for the Implement to swing outward while turning. Implements carried behind the Tractor will swing outside the tire path when making turns. Contacting a solid object while turning will cause equipment damage and possible injury. (S3PT-20) str

Perform turns with the tractor, FLEX-ARM and cutter at slow speeds to determine how the tractor with an attached FLEX-ARM and cutter handles a turn. When operating the FLEX-ARM and cutter, the overall working length of the unit is increased. Allow additional clearance for the FLEX-ARM and cutter when turning, especially if the wings are lowered and the FLEX-ARM is extended.



When the FLEX-ARM is in transport position, it will stick out 70" to the left side of the tractor. This allows the rotary cutter and FLEXARM to be exactly centered behind the tractor. Lighting and marking is provided to indicate the protrusion of the FLEX-ARM to the left of the roadway. In some cases; for instance when working on a narrow road or when the FLEX-ARM is repeatedly extended and retracted, the amount of stick out to the left of the tractor may not be desirable because of consideration for oncoming traffic. In this case stop blocks can be installed to limit the amount of stick out to the left of the tractor to 55". When the stop block is installed the rotary cutter will trail 19" to the right of center. Refer to the "ASSEMBLY" section of this manual for installation instructions. Extra precaution should be taken to avoid hitting parked vehicles, sign, road structures, bystanders and animals due to the overall length and width of the implements.



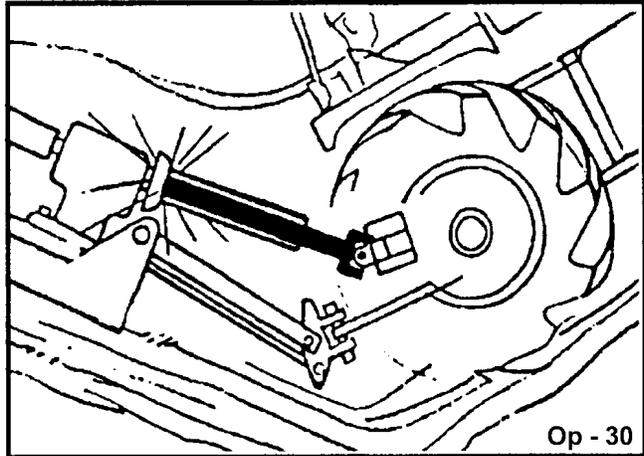
Practice steering and maneuvering the tractor, Flex-Arm and mower in an open field or parking lot before operating the mower. Use extreme care when backing the equipment. The mower will not react to backing in the same manner as it does when the mower is connected directly to the tractor. Practice backing until you can safely control the direction and movements of the Flex-Arm and mower. Back up at a slow speeds to ensure you maintain control and direction of the mower. Use care to make sure the mower is not backed in to a parked vehicle, sign, road structures, bystanders, or animals. If you do not feel that you can safely operate and back the equipment combination than obtain further training before operating this Flex-Arm and mower.

OPERATION

OPERATION

10.7 Crossing Ditches and Steep Inclines

When crossing ditches with steep banks or going up sharp inclines, it is possible that the main driveline inner profile will penetrate into the outer housing to its maximum depth until the assembly becomes solid (driveline is at its extreme shortest length). This type of abusive operation can cause serious damage to the tractor and mower drive by pushing the PTO into the tractor and through the support bearings or downward onto the PTO shaft, breaking it off.



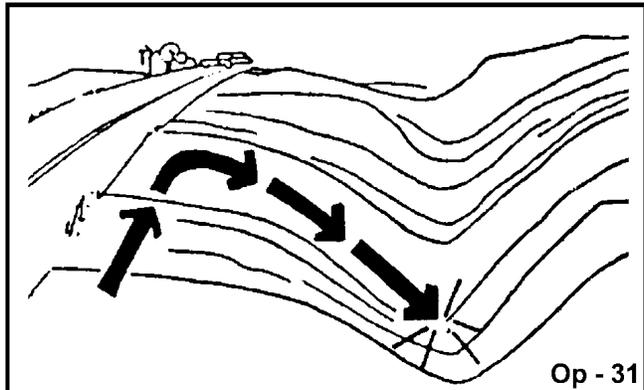
WARNING

Damage resulting from over-collapse of the driveline's inner profile and its outer housing may allow the driveline to come loose from the Tractor which could cause bodily injury to the operator or bystanders and/or extensive damage to the Tractor or Implement.
OPS-R-0020 str

10.8 Correctly Crossing Ditches and Inclines

When confronted with an incline or ditch, do not approach from an angle which is perpendicular or straight on as damaged to over collapse of the driveline may occur.

When crossing such terrain, the implement should be fully lowered for a lower center of gravity and added stability. *OPS-R-0021 str*

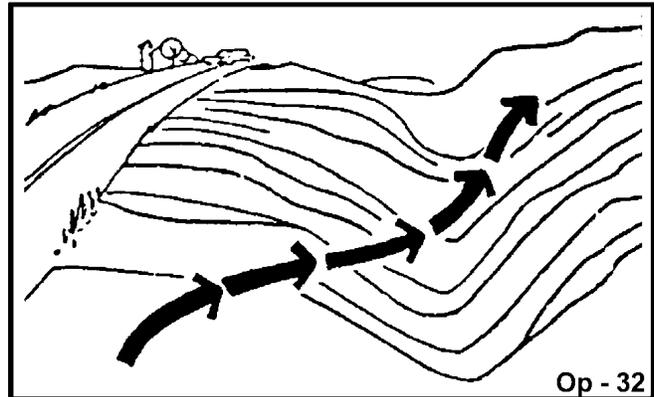


INCORRECT: DO NOT approach ditch straight on

OPERATION

Inclines and ditches should be approached along a line which is at an angle as shown. This type of path will reduce the possibility of over-collapse of the driveline and resulting damage. If the gradient is so steep that such an approach increases the possibility of a tractor roll-over, select an alternate crossing path.

When operating the tractor and mower across slopes and inclines, through ditches, and other uneven terrain conditions, it is important to maintain sufficient deck to ground clearance. Blade contact with the ground may cause soil, rocks and other debris to be thrown out from under the mower resulting in possible injury and/or property damage. Ground contact also produces a severe shock load on the mower drive and to the mower blades resulting in possible damage and premature wear. OPS-R-0022 str



Op - 32

CORRECT: Approach ditch at an angle

11. OPERATING THE TRACTOR, FLEX-ARM AND MOWER

THE OPERATOR MUST COMPLETELY UNDERSTAND HOW TO OPERATE THE TRACTOR, FLEX-ARM AND MOWER AND ALL CONTROLS BEFORE ATTEMPTING TO OPERATE. The operator must read and understand the Safety and Operation Sections of the implement and tractor operator's manuals. These manuals must be read and explained to any operator who cannot read. Never allow someone to operate the implement and tractor without complete operating instructions.

Before starting any operation, the operator must become familiar with the area to be worked in and any obstacles and hazards contained within to ensure safety to the operator, bystanders, and equipment. Special attention should be paid to foreign debris, rough terrain, steep slopes, and passersby and animals in the area. OPS-FLX-0011

▲WARNING

Extreme care should be taken when operating near loose objects such as gravel, rocks, wire, and other debris. Inspect the area before mowing. Foreign objects should be removed from the site to prevent machine damage and/or bodily injury or even death. Any objects that cannot be removed must be clearly marked and carefully avoided by the operator. Stop mowing immediately if blades strike a foreign object. Repair all damage and make certain rotor or blade carrier is balanced before resuming mowing. (SGM-05)str



▲WARNING

Many varied objects, such as wire, cable, rope, or chains, can become entangled in the operating parts of the mower head. These items could then swing outside the housing at greater velocities than the blades. Such a situation is extremely hazardous and could result in serious injury or even death. Inspect the cutting area for such objects before mowing. Remove any like object from the site. Never allow the cutting blades to contact such items. (SGM-06) str

OPERATION

11.1 Foreign Debris Hazards

Before mowing, inspect the area to make sure there are no foreign objects that the mower blades could hit or become entangled with. Remove all foreign objects and debris. If objects are too big to remove, mark them clearly and be sure to prevent the mower blades from contacting them

If you hit a solid object or foreign debris, stop the mower and tractor at once. Immediately idle the engine speed and disengage the PTO. Wait for all mower rotating motion to stop, then raise the mower and move the tractor and implement off the object. Inspect the area and remove, or mark the location of the debris. Inspect the condition of the mower and make any needed repairs immediately. Make sure the blades are not damaged and the carrier is balanced before resuming operation.

Always wear your seat belt securely fastened and only operate the tractor and mower with the ROPS in the raised position. If the tractor or mower hits a tree stump, rock, or bump, a sudden movement could throw you off of the seat and under the tractor and/or mower. The seat belt is your best protection from falling off the tractor and the ROPS provides protection from being crushed during a tractor roll-over. *OPS-R-0023 str*



Op - 33

Remove Foreign Material



Op-151

Raise Mower over solid objects

11.2 Bystanders/Passersby Precautions

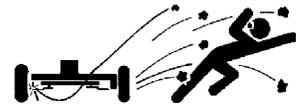
If a bystander comes within 300 feet of the tractor while the mower is being operated, stop the tractor at once, idle the engine and disengage the PTO. Do not engage the PTO again until all bystanders are well past the 300 foot distance. *OPS-R-0024 str*

In case of emergency, shut down tractor engine, disengage the PTO and wait for all rotating motion to stop. Place the tractor in park position, engage the parking brake and remove the key before leaving the operator's seat.

OPERATION



Rotary Mowers are capable under adverse conditions of throwing objects for great distances (300 ft (100 m) or more) and causing serious injury or death. Follow safety messages carefully.



STOP MOWING IF PASSERSBY ARE WITHIN 300 Feet (100 m) UNLESS:

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

NOTE: *Where there are grass and weeds high enough to hide debris that could be struck by the blades, the area should be: inspected and large debris removed, mowed at an intermediate height, inspected, closely with any remaining debris being removed, and mowed again at desired final height. (This will also reduce power required to mow, reduce wear and tear on the Mower drivetrain, spread cut material better, reduce streaking, and make the final cut more uniform). (SRM-01) str*

11.3 Engaging the Power Take Off (PTO)

Before engaging the PTO, make certain that the area is clear of bystanders and passersby. The implement must be completely lowered and the deck positioned at a safe operating height. NEVER engage the PTO with the implement in the raised position.

Set the tractor engine speed at approximately 1,000 RPM before engaging the PTO. Shift the PTO control to the on position, and slowly increase the engine speed until the PTO is operating at the rated speed. If you hear unusual noises or see or feel abnormal vibrations, disengage the PTO immediately. Inspect the implement to determine the cause of the noise or vibration and repair the abnormality. *OPS-U- 0027 str*



Do not let the Blades turn when the Mower Deck is raised for any reason, including clearance or for turning. Raising the Mower deck exposes the Cutting Blades which creates a potentially serious hazard and could cause serious injury or even death from objects thrown from the Blades. (SRM-07) str



Do not put hands or feet under mower decks. Blade Contact can result in death or serious injury. Stay away until all motion has stopped and the decks are securely blocked up. (SGM-09) str



OPERATION

11.4 PTO RPM and Ground Speed

Ground speed for mowing will depend upon the height, type, and density of vegetation to be cut. Recommended speed for efficient mower performance is between 2 and 5 mph(3-8 kph). Operate the mower at its full rated PTO speed to maintain blade speed for a clean cut. Refer to the tractor operator's manual or the tractor instrument panel for the engine speed and gear to provide the required PTO and desired ground speed. Make sure that the mower is operating at its full rated speed before entering the vegetation to be cut. If it becomes necessary to temporarily regulate engine speed, increase or decrease the throttle gradually.

Ground speed is achieved by transmission gear selection and not by the engine operating speed. The operator may be required to experiment with several gear range combinations to determine the best gear and range which provides the most ideal performance from the mower and most efficient tractor operation. As the severity of cutting conditions increase, the ground speed should be decreased by selecting a lower gear to maintain the proper operating PTO speed. *OPS-R-0025 str*



Do not exceed the rated PTO speed for the Implement. Excessive PTO speeds can cause Implement driveline or component failures resulting in serious injury or death. (SG-26) str



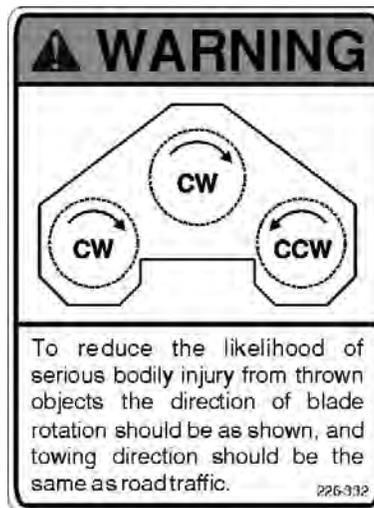
Mow at the speed that you can safely operate and control the tractor and mower. The correct mowing speed depends on terrain condition and grass type, density, and height of cut. Normal ground speed range is from 2 to 5 mph (3-8 kph). Use slow mowing speeds when operating on or near steep slopes, ditches, drop-offs, overhead obstructions, power lines, or when debris and foreign objects are to be avoided. (SGM-07)str

11.5 Operating the Flex-Arm and Mower

When ready for field use, stop the cutter and pull the transport pins on the cylinder guard and the rotary cutter.

Lower the wings and cutter deck before entering the ditch. Drive the tractor forward along the side of the road and extend the Flex-Arm cylinder to ease the cutter into the ditch. Engage the PTO. Only operate the FLEX-ARM and cutter from the tractor operator's seat with the seatbelt securely fastened. The tractor must be equipped with a ROPS in the raised position or a ROPS cab. Before engaging the PTO the operator needs to make sure that the blades are rotating in the correct direction. If they are not, contact your local dealer or Schulte Industries Ltd to correct the problem. Refer to your rotary cutter operators manual for proper blade rotation.

IMPORTANT: The operator should never operate the cutter and FLEX-ARM if the blades do not have the proper blade rotation. Serious injury or even death may occur



OPERATION

The rotary cutter and FLEX-ARM combination is designed to cut vegetation up to 2" diameter. Sharp blades will produce a cleaner cut and require less power. Travel at a speed that allows the cutter sufficient time to cut through the vegetation and maintain the PTO operating speed to prevent overloading the FLEX-ARM, cutter and tractor. When cutting along ditch banks, use the arm's hydraulic cylinder to avoid most obstacles. The tractor may be needed to maneuver around larger obstacles. The FLX-1510 can swing the cutter 122" using the cylinder. Choose a driving pattern that provides the maximum pass length and minimizes turning. Under certain conditions, tractor tires may roll some grasses down resulting in a ragged cut. This is less likely to occur with the FLEX-ARM since the cutter is outside the path of the tractor tires, however lowering the cut height will result in a cleaner cut. Avoid mowing in the reverse direction when possible. In situations where the unit must be backed up to access areas to be cut, make sure there are no people or foreign objects behind the cutter before reversing. When mowing in reverse, operate the tractor, FLEX-ARM and cutter at a reduced ground speed to ensure control of the unit is maintained.



Do not mow with two machines in the same area except with Cab tractors with the windows closed. (SGM-11)str



If a material blockage occurs in the inlet or discharge areas of the mower, **SHUT DOWN TRACTOR ENGINE**, disengage the PTO and wait for all rotating motion to stop. Place the tractor in park position, engage the parking brake and remove the key before leaving the operator's seat. Clear the blockage before proceeding with mowing. Be sure to keep feet and hands clear of the mower blades. If you raise the mower or mower wing to access the blockage, engage the wing lock up latch and securely block up the mower before placing any parts of the body underneath the mower.



Avoid mowing in reverse direction when possible. Check to make sure there are no persons behind the mower and use extreme care when maneuvering in reverse. Mow only at a slow ground speed where you can safely operate and control the tractor and mower. Never mow an area that you have not inspected and removed debris or foreign material. (SGM-08) str

Use extreme care when transporting the FLEX-ARM and cutter on public highways and roads. The combination of FLEX-ARM and cutter is wider than the tractor. In transport position, the FLEX-ARM is offset to the left of the tractor. Allow ample clearance when transporting the tractor and implements to prevent contact with bystanders, signs, road structures, or other vehicles. Do not allow the FLEX-ARM and cutter unit to go off the road shoulder at high speed. This may cause the unit to be unsteady and a roller over may occur, resulting in serious injury or death.



Follow these guidelines to reduce the risk of equipment and grass fires while operating, servicing, and repairing the Mower and Tractor:



- Equip the Tractor with a fire extinguisher in an accesible location.
- Do Not operate the Mower on a Tractor with an underframe exhaust.
- Do Not smoke or have an open flame near the Mower and Tractor.
- Do Not drive into burning debris or freshly burnt areas.
- Ensure slip clutches are properly adjusted to prevent excessive slippage and plate heating
- Never allow clippings or debris to collect near drivelines, slip clutches, and gear-boxes. Periodically shut down the Tractor and Mower and clean clippings and collected debris from the mower deck. (SGM-12) str

OPERATION

WARNING

Mow only in conditions where you have clear visibility in daylight or with adequate artificial lighting. Never mow in darkness or foggy conditions where you cannot clearly see at least 300 feet (90 m) in front and to the sides of the tractor and mower. Make sure that you can clearly see and identify passersby, steep slopes, ditches, drop-offs, overhead obstructions, power lines, debris and foreign objects. If you are unable to clearly see these type of items discontinue mowing. (SGM-1)str

Never raise the mower entirely while the blades are turning. If the mower must be raised higher than 12" from ground level, disengage the tractor PTO and wait for all mower rotation to come to a complete stop before proceeding to raise the mower. NEVER raise the mower wings while the blades are turning

When turning, the angle between the tractor and mower should not be so great that a clattering of the U-joints occurs. Sharp turns can cause premature failure of the joints and place pressure on the tractor PTO shaft and could cause extensive mechanical damage to the mower and tractor.



WARNING

Do not let the Blades turn when the Mower Deck is raised for any reason, including clearance or for turning. Raising the Mower deck exposes the Cutting Blades which creates a potentially serious hazard and could cause serious injury or even death from objects thrown from the Blades. (SRM-07) str



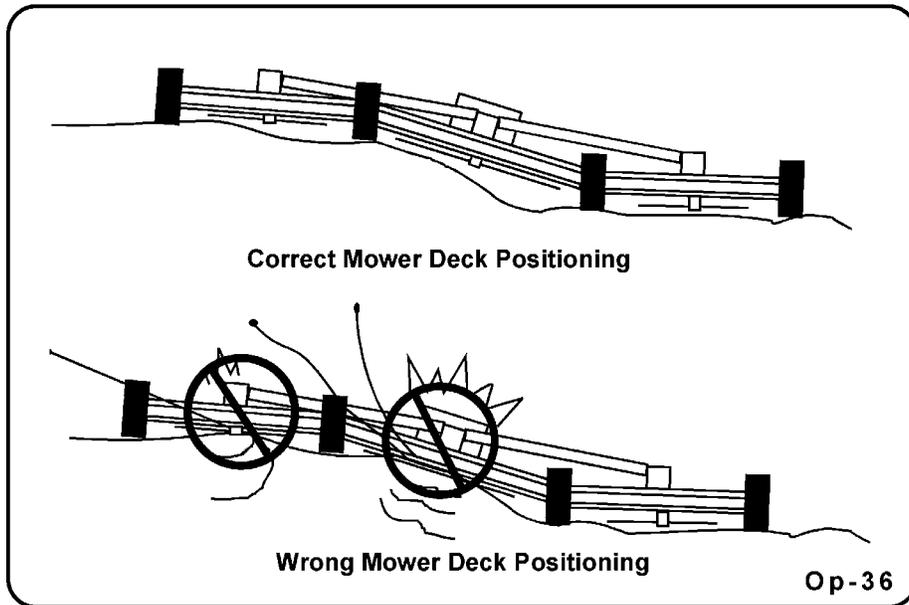
Stay alert and watch for trees, low hanging limbs, power lines, and other overhead obstacles and solid ground objects while you are operating. Use care to avoid hitting these items.

To avoid most obstacles, use the FLEX-ARM cylinder to steer the cutter. The FLX- 1510 can swing the cutter 122" using it's hydraulic cylinder. The tractor may be needed to maneuver around larger obstacles.



OPERATION

When mowing across uneven areas such as road shoulders, ditch edges, and other uneven terrain, position mower so that one support wheel is near the highest point to prevent blades from cutting into gravel or dirt which can cause rapid blade wear and extremely severe shock loads on the drivetrain resulting in rapid wear or damage to these components. Blades contacting the ground may cause objects to be thrown out from under the mower deck. Always avoid operating the mower at a height or position which may cause the blades to contact the ground. Cutting into the berm or edge of the ditch will cause abnormal and accelerated blade wear and possible blade component failure. *OPS-R-0029 str*



11.6 Shutting Down the Implement

To shut down attached mower, first bring the tractor to a complete stop. Then slow down the mower by reducing the engine speed before disengaging the PTO. Wait for all rotating motion to stop before proceeding to drive or shut down the tractor.

Park the tractor on a level surface, place the transmission in park or neutral and apply the parking brake, lower the attached implement to the ground, shut down the engine, remove the key, and wait for all motion to come to a complete stop before exiting the tractor. *OPS-FLX-0012 str*



OPERATION

12. DISCONNECTING THE FLEX-ARM & MOWER FROM THE TRACTOR

Before disconnecting the mower and Flex-Arm, the PTO must be disengaged and blade rotation at a complete stop. Move the mower to a level storage location and lower the center section and both wings to the ground. If the mower will be stored with the wings in the raised position, install both wing and center section transport pins. If the mower is not resting securely on the ground, block the mower up securely before attempting to disconnect it from the tractor.

Use extreme care to keep feet and hands from under the mower and clear of any pinch points when disconnecting the mower from the tractor. *OPS-FLX-0013 str*



Always shut the Tractor completely down, place the transmission in park, and set the parking brake before you or anyone else attempts to connect or disconnect the Implement and Tractor hitches. (S3PT-15) str



Never unhitch without using the Tongue Jack. The Tongue is very heavy. Attempting to lift the Tongue without using the Tongue Jack could cause strains or other injury. Allowing the tongue to fall suddenly and unexpectedly could result in crushing injury. Use the Tongue Jack for lifting the Implement only. Overloading the Tongue Jack can cause failure with possible serious bodily injury or even death. (STI-04) str

When disconnecting the FLEX-ARM and cutter, the tractor should be completely shut down and secured in position. Relieve hydraulic pressure by moving the control levers back and forth several times.

1. Lower the parking jack and raise the FLEXARM until the tongue clevis is no longer resting on the tractor drawbar. Make sure the jack foot is resting on solid ground or securely supported by a block before raising the FLEX-ARM.
2. Once the FLEX-ARM tongue is supported entirely by the jack, remove the hitch pin.
3. Remove the FLEX-ARM driveline from the tractor PTO shaft. Place the driveline in its storage bracket to prevent it from contacting mud or dirt.
4. Uncouple the hydraulic hoses from the tractor and secure them on the FLEX-ARM hose organizer. Disconnect the electrical plug for the lights and place the plug in its storage holder on the FLEX-ARM hose organizer.
5. After the driveline has been removed from the tractor, place the PTO master shield back in the operating position.



OPERATION

13. FLEX-ARM AND MOWER STORAGE

Properly preparing and storing the Flex-Arm at the end of the season is critical to maintaining its appearance and to help ensure years of dependable service. The following are suggested storage procedures:

Clean any dirt or debris off the mower deck.

- Thoroughly clean all debris off the Flex-Arm and mower to prevent damage from rotting grass and standing water.
- Lubricate all Flex-Arm and mower grease points and fill gearbox oil levels as detailed in the maintenance section.
- Tighten all bolts and pins to the recommended torque.
- Check the Flex-Arm and mower for worn and damaged parts. Perform repairs and make replacements immediately so that the flex arm and mower will be ready for use at the start of the next season..
- Store the Flex-Arm and mower in a clean, dry place with the flex arm frame and mower housing resting securely on blocks or at ground level.
- Keep the driveline yokes from sitting in water, dirt and other contaminants.
- Use spray touch-up enamel where necessary to prevent rust and maintain the appearance of the Flex-Arm and mower.



Ops-75

It is critical that the driveline clutch slip when an obstacle or heavy load is encountered to avoid Flex-Arm, mower and tractor damage. If the Flex-Arm and mower sit outside for an extended period of time or is exposed to rain and/or humid air, the clutch lining plates must be inspected to ensure they are not frozen together from rust or corrosion. If the Flex-Arm and mower have been exposed to such conditions, at the start of each mowing season, and any time it is suspected that the slip clutch plates may be frozen together, readjust the slip clutch as detailed in slip clutches of the Maintenance Section in this manual. *OPS-R-0098_A str*

14. TRANSPORTING THE TRACTOR AND IMPLEMENT

Inherent hazards of operating the tractor and implement and the possibility of accidents are not left behind when you finish working in an area. Therefore, the operator must employ good judgment and safe operation practices when transporting the tractor and implement between locations. By using good judgment and following safe transport procedures, the possibility of accidents while moving between locations can be substantially minimized. *OPS-U- 0017str*



Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in death or serious injury. *(SG-10)str*



OPERATION

OPERATION

Before transporting the tractor, Flex-Arm, and mower, idle the tractor engine, disengage the PTO. Fully retract the Flex-Arm cylinder and ease the cutter out of the ditch as the tractor continues forward. With the implement on a level surface, and all moving parts are at a complete stop raise the cutter into transport position. Insert the transport pins in the cylinder guard on the flex arm and in wings of cutter. When transporting, only raise the center deck enough to clear ground obstacles to prevent tipping, especially when traveling through rough terrain. If the tractor's hydraulic pump is not independent of the tractor PTO, or if the tractor PTO has to be run to have hydraulic power, disconnect the mower driveline from the tractor PTO output shaft. Secure the driveline to the mower deck to prevent driveline damage or loss during transport. *OPS-FLX-0015 str*



Before transporting the tractor on a public roadway or boarding a trailer for transport, the tractor brake pedals should be locked together. Locking the pedals ensures that both wheels brake simultaneously while stopping, especially when making an emergency stop.

Use extreme caution and avoid hard applications of the tractor brakes when towing heavy loads at road speeds. Never tow the implement at speeds greater than 20 MPH (32 kph). *OPS-U- 0018str*



14.1 Transporting on Public Roadways

WARNING

Only tow the Implement behind a properly sized and equipped Tractor which exceeds the weight of the Implement by at least 20%. DO NOT tow the Implement behind a truck or other type of vehicle. Never tow the Implement and another Implement connected in tandem. Never tow the Implement at speeds over 20 MPH. *(STI-06)str*



DANGER

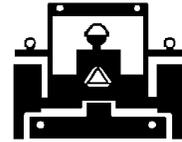
Never allow children or other persons to ride on the Tractor or Implement. Falling off can result in death or serious injury. *(SG-10)str*



OPERATION



Make certain that the “Slow Moving Vehicle” (SMV) sign is installed in such a way as to be clearly visible and legible. When transporting the Equipment use the Tractor flashing warning lights and follow all local traffic regulations. (SG-6)str



OPERATION

Extreme caution should be used when transporting the tractor and mower on public roadways. The tractor must be equipped with all required safety warning features including an SMV emblem and flashing warning lights to alert drivers of the tractor’s presence. Remember that roadways are primarily designed for automotive drivers and most drivers will not be looking out for you, therefore, you must look out for them. Check your side view mirrors frequently and remember that vehicles will approach quickly because of the tractor’s slower speed. Be extremely cautious when the piece of equipment that you are towing is wider than the tractor tire width and/or extends beyond your lane of the road.

Make sure that a proper size safety tow chain is secured between the tractor, Flex-Arm and mower before entering a public road. Transport the Flex-Arm with cylinder guard transport pin engaged and mower with wing and center section transport pins engaged. Do not transport the mower supported by hydraulic pressure.

Practice steering and transporting the tractor, Flex-Arm and mower in an open parking lot before transporting on public roads. Use extreme care when backing the equipment. The mower will not react to backing in the same manner as it does when the mower is connected directly to the tractor. Practice backing until you can safely control the direction and movements of Flex-Arm and mower. If you do not feel that you can safely transport of back the equipment combination, do not transport the equipment on public roads and highways.

Transport at slower speeds that you would normally transport the tractor (70% of normal transport speed). Allow yourself more time to react, adjust and compensate for the wider equipment. This equipment will trail behind you like two implements one behind the other. Small turns or sideways movements of the tractor can cause the trailing mower to move a greater distance to the side.

Use extreme care when transporting the Flex-Arm and mower on public highways and roads. The combination of Flex-Arm and mower is wide than the tractor. It is also much longer than a single implement attached to the tractor and you need to allow additional turning clearance. In transport position, the mower is offset at 3’ to the right of the tractor. Allow ample clearance when transporting the tractor and implements to insure that they do not contact any bystander, signs, road structures, or other vehicles.

The SMV (Slow-Moving Vehicle) emblem is universal symbol used to alert drivers of the presence of equipment traveling on roadways at a slow speed. SMV signs are a triangular bright orange with reflective red trim for both easy day and night visibility. Make sure the SMV sign is clean and visible from the rear of the unit before transporting the tractor and implement on a public roadway. Replace the SMV emblem if faded, damaged, or no longer reflective. OPS-U- 0020str



Op-43

OPERATION

OPERATION

Make sure that all tractor flashing warning lights, headlights, and brake/tail lights are functioning properly before proceeding onto public roads. While newer model tractors have plenty of lighting to provide warning signals and operating lighting, most older models are only equipped with operating lights. Consult an authorized tractor dealer for lighting kits and modifications available to upgrade the lighting on older tractor models. *OPS-U- 0021str*



When operating on public roads, have consideration for other road users. Pull to the side of the road occasionally to allow all following traffic to pass. Do not exceed the legal speed limit set in your country for agricultural tractors. Always stay alert when transporting the tractor and implement on public roads. Use caution and reduce speed if other vehicles or pedestrians are in the area. *OPS-U- 0022_H str*



DANGER

This Implement may be wider than the Tractor. Be careful when operating or transporting this equipment to prevent the Implement from running into or striking sign posts, guard rails, concrete abutments or other solid objects. Such an impact could cause the Implement and Tractor to pivot violently resulting in loss of steering control, death, or serious injury. Never allow the Implement to contact obstacles. *(S3PT-12)str*

WARNING

Allow sufficient clearance for the Implement to swing outward while turning. Implements carried behind the Tractor will swing outside the tire path when making turns. Contacting a solid object while turning will cause equipment damage and possible injury. *(S3PT-20) str*

OPERATION

Reduce speed before turning or applying the brakes. Ensure that both brake pedals are locked together when operating on public roads. *OPS-U-0023 str*



In the transport position, the Flex-Arm offsets the mower as much as 3' to the right. Do not allow the trailing mower wheels to run off the edge of the road or shoulder. Sudden turns or running off the road can cause loss of stability and possible mower and tractor rollover, resulting in serious bodily injury or even death.



DANGER Be particularly careful when transporting the Implement using the tractor. Turn curves or go up or down hills only at a low speed and at a gradual steering angle. Make certain that at least 20% of the tractor's weight is on the front wheels to maintain safe steering. Slow down on rough or uneven surfaces. *(STI-01) str*



WARNING Only tow the Implement behind a properly sized and equipped Tractor which exceeds the weight of the Implement by at least 20%. **DO NOT** tow the Implement behind a truck or other type of vehicle. Never tow the Implement and another Implement connected in tandem. Never tow the Implement at speeds over 20 MPH. *(STI-06)str*



WARNING Secure the Implement for transport before traveling on public roads. For pull-type Implements, secure the center axle using cylinder stops or transport pin and properly attach a safety chain between the Implement and Tractor. Secure wings in upright position on folding Implements using wing transport locks. *(STI-7) str*

When transporting the implements reduce speed when going around corners. Do not make any sudden turns at a high transport speed. The tractors and implements are much longer so turning speed needs to be at a low speed, and more clearance need to be taken in account for when turning.

OPERATION

WARNING

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



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

Test the tractor at a slow speed and increase the speed slowly. Apply the Brakes smoothly to determine the stopping characteristics of the Tractor and Implement. As you increase the speed of the Tractor the stopping distance increases. Determine the maximum transport speed not to exceed 20 mph (30 kph) for transporting this equipment.

Test the equipment at a slow speed in turns. Increase the speed through the turn only after you determine that the equipment can be operated at a higher speed. Use extreme care and reduce your speed when turning sharply to prevent the tractor and implement from turning over. Determine the maximum turning speed for you and this equipment before operating on roads or uneven ground.

Only transport the Tractor and Implement at the speeds which allow you to properly control the equipment.

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



DANGER

When the FLEX-ARM is in transport position it will protrude 70" to the left of the tractor centerline. Keep the unit out of the path of oncoming traffic, especially when traveling on narrow roads. Flashing warning lights must be on at all times when transporting or operating the unit. Ensure that all yellow and red reflective decals are in good condition and not obscured by mud or other material

In some cases; for instance when working on a narrow road or when the FLEX-ARM is repeatedly extended and retracted, the amount of stick out to the left of the tractor may not be desirable because of consideration for oncoming traffic. In this case stop blocks can be installed to limit the amount of stick out to the left of the tractor to 55". When the stop block is installed the rotary cutter will trail 19" to the right of center. Refer to the "ASSEMBLY" section of this manual for installation instructions.

OPERATION

15. HAULING THE TRACTOR, FLEX-ARM AND MOWER

The Flex-Arm and the mower must be disconnected and separated before loading onto a trailer. Follow the instructions and safety precautions listed in this manual to disconnect and separate the mower from the Flex-Arm.

Do not attempt to transport an oversized load without obtaining proper licenses and permits from your state transportation offices.

Before transporting a loaded tractor, Flex-Arm, and mower, measure the height and width dimensions and gross weight of the complete loaded unit. Ensure that the load will be in compliance with the legal limits set for the areas that will be traveled through.

Use adequately sized and rated trailers and equipment to transport the tractor, Flex-Arm, and mower. Consult an authorized dealer to determine the proper equipment required. Using adequately sized chains, heavy duty straps, cables and/or binders, securely tie down both the front and rear of the tractor utilizing the proper tie down locations as specified by the tractor manufacturer.

Arrange the chains so that when tightened, the chains are pulling downward and against themselves. Carefully tighten the securing chains or other fasteners used as much as possible using boomers or binders to apply maximum tension. Use extreme care when attaching and removing the securing devices as the extreme tension involved when released has the potential to inflict serious injury.

While hauling the tractor, Flex-Arm, and mower, make occasional stops to check that the tractor, Flex-Arm and mower have not moved or shifted and that the securing chains have maintained tension. If during transport a hard braking, sharp turning, or swerving action was performed, stop at the next safe location to inspect the security of the load.

16.TROUBLESHOOTING GUIDE

Problem	Possible Cause	Remedy
Excessive Driveline Vibration	Gearbox yokes out of phase.	Phase yokes as described in the Assembly Section.
	Tractor drawbar length incorrect.	Set drawbar to length as determined by the RPM speed of the attached rotary cutter.
Excessive Castor Wheel Whipping	Inadequate tension on castor wheel discs.	Tighten castor springs. (See Assembly Section)
Accelerated Wear of Universal Joint	Inadequate greasing.	Carefully follow greasing instructions.
Accelerated Wear of Universal Joint Sliding Members	Inadequate greasing.	Carefully follow greasing instructions.

OPERATION

OPERATION

Problem	Possible Cause	Remedy
Not Cutting Cleanly	RPM too low.	Use full PTO power.
	Improper blade for direction of rotation.	Install blades so rotation is correct.
	Mower not level.	Adjust machine.
	Ground speed too fast.	Reduce ground speed.
Blades Wear Too Fast	Cutting in sandy or rocky soil.	Increase cutting height.
Blade Bolts Working Loose	Bolts not tightened sufficiently.	Tighten bolts to correct torque.
	Bolt hole elongated or oversized.	Rebuild or replace blade carrier.
	Lock nut worn out.	Replace lock nut.
Blades Cutting Too High	Blades bent.	Replace blades as a set.
	Blade carrier bent.	Straighten or replace blade carrier.
	Blade bolts loose or worn.	Re-tighten or replace blade bolts. Up and down drift in the blade should not exceed 1-1/2".
Cutter Vibrates	Broken blade.	Replace blades as a set.
	Blade carrier bent.	Straighten or replace blade carrier.
	New blades used with an old blade.	Replace blades as a set.
	Blades "locked" together.	"Unlock" blades.
Torque Limiter Slipping Excessively	Excessive load.	Machine is overloaded. Reduce ground speed and material intake.
	Improper adjustment.	Adjust springs.
	Friction plates worn.	Replace friction plates.
	Oil on friction plates.	Replace friction plates.

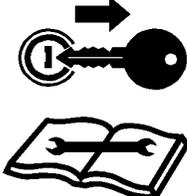
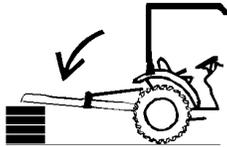
MAINTENANCE SECTION

Maintenance Section 5-1

MAINTENANCE

MAINTENANCE

HAZARDS WITH MAINTENANCE OF IMPLEMENT

				
Periodically inspect all moving parts, lubricate drivelines, and tighten all fasteners	Stop engine remove key before conducting maintenance	Block up implement before servicing Use large blocks on soft or wet soil	Engage cylinder transport locks	Inspect Blades for damage or cracks



AVOID DEATH OR SERIOUS INJURY FROM COMPONENT FAILURE BY KEEPING IMPLEMENT IN GOOD OPERATING CONDITION IN PERFORMING PROPER SERVICE, REPAIRS AND MAINTENANCE.

BEFORE PERFORMING SERVICE, REPAIRS AND MAINTENANCE ON THE IMPLEMENT:

SECURE EQUIPMENT FOR SERVICE

BLOCK OUT POTENTIAL ENERGY HAZARDS; Rotating Parts, Raised Components, Hydraulic Pressure.

- **STOP ENGINE and PTO, engage parking brake and allow all moving parts to stop and remove key before dismounting from tractor seat.**
- **PLACE** implement on ground or securely block up raised equipment. Use large blocks on soft or wet soil.
- **SECURELY LATCH and LOCK** raised implement wings.
- **BLOCK UP IMPLEMENT TONGUE** with large blocks and tongue jack. **DO NOT** crawl or work under implement supported only by tongue jack.
- Be sure to park on level ground to a maximum of 10% ground slope.
- **PUSH and PULL** Remote Hydraulic Cylinder lever to relieve hydraulic pressure.
- **DISCONNECT IMPLEMENT Hydraulic HOSES** from tractor.
- **DISCONNECT IMPLEMENT driveline** from tractor PTO Shaft.

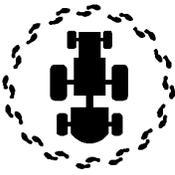
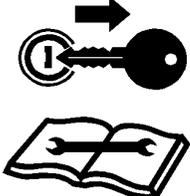
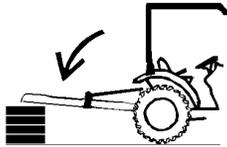
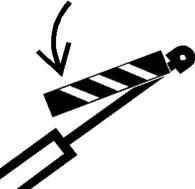
WEAR SAFETY GLASSES, PROTECTIVE GLOVES and follow **SAFETY PROCEDURES** when performing service, repairs and maintenance on the implement:

- Always **WEAR** protective **GLOVES** when handling chemicals or worn component with sharp edges.
- Always **WEAR GLOVES** and **SAFETY GLASSES** when servicing components
- **AVOID CONTACT** with hot hydraulic oil tanks, pumps, motors, valves and hose connection surfaces.
- **SECURELY** support or **BLOCK UP** raised implement, framework and lifted components before working underneath equipment.
- **STOP** any implement movements and **SHUT-OFF TRACTOR** engine before doing any work procedures.
- **USE** ladder or raised stands to reach high equipment areas inaccessible from ground.
- **ENSURE** good footing by standing on solid flat surfaces when getting on implement to perform work.
- **FOLLOW** manufacturer's instructions in handling oils, solvents, cleansers, and other chemical agents.
- **DO NOT** change any factory-set hydraulic calibrations to avoid component or equipment failures.
- **DO NOT** modify or alter implement, functions or components.
- **DO NOT WELD** or repair rotating mower components. These may cause vibrations and component failures being thrown from mower. *PN HM02 str*

MAINTENANCE

MAINTENANCE

HAZARDS WITH MAINTENANCE OF IMPLEMENT (CONTINUED)

				
Periodically inspect all moving parts, lubricate drivelines, and tighten all fasteners	Stop engine remove key before conducting maintenance	Block up implement before servicing Use large blocks on soft or wet soil	Engage cylinder transport locks	Inspect Blades for damage or cracks



AVOID DEATH OR SERIOUS INJURY FROM COMPONENT FAILURE BY KEEPING IMPLEMENT IN GOOD OPERATING CONDITION IN PERFORMING PROPER SERVICE, REPAIRS AND MAINTENANCE.

PERFORM SERVICE, REPAIRS, LUBRICATION AND MAINTENANCE OUTLINED IN IMPLEMENT MAINTENANCE SECTION:

- **INSPECT** for loose fasteners, worn or broken parts, leaky or loose fittings, missing or broken cotter keys and washers on pins, and all moving parts for wear.
- **REPLACE** any worn or broken parts with authorized service parts.
- **LUBRICATE** unit as specified by lubrication schedule.
- **NEVER** lubricate, adjust or remove material while it is running or in motion.
- **TORQUE** all bolts and nuts as specified.

BLADE INSPECTION:

- **REPLACE** bent, damage, cracked or broken blades immediately with new blades.
- **AVOID** blade failures and thrown broken blades. **DO NOT** straighten, weld, or weld hard-facing blades.

SAFETY SHIELDS, GUARDS AND SAFETY DEVICES INSPECTION:

- **KEEP** all Deflectors, Chain Guards, Steel Guards, Gearbox Shields, and PTO integral shields, Bands, Side Skirts and Skid Shoes in place and in good condition.
- **REPLACE** any missing, broken or worn safety shields, guards and safety devices.

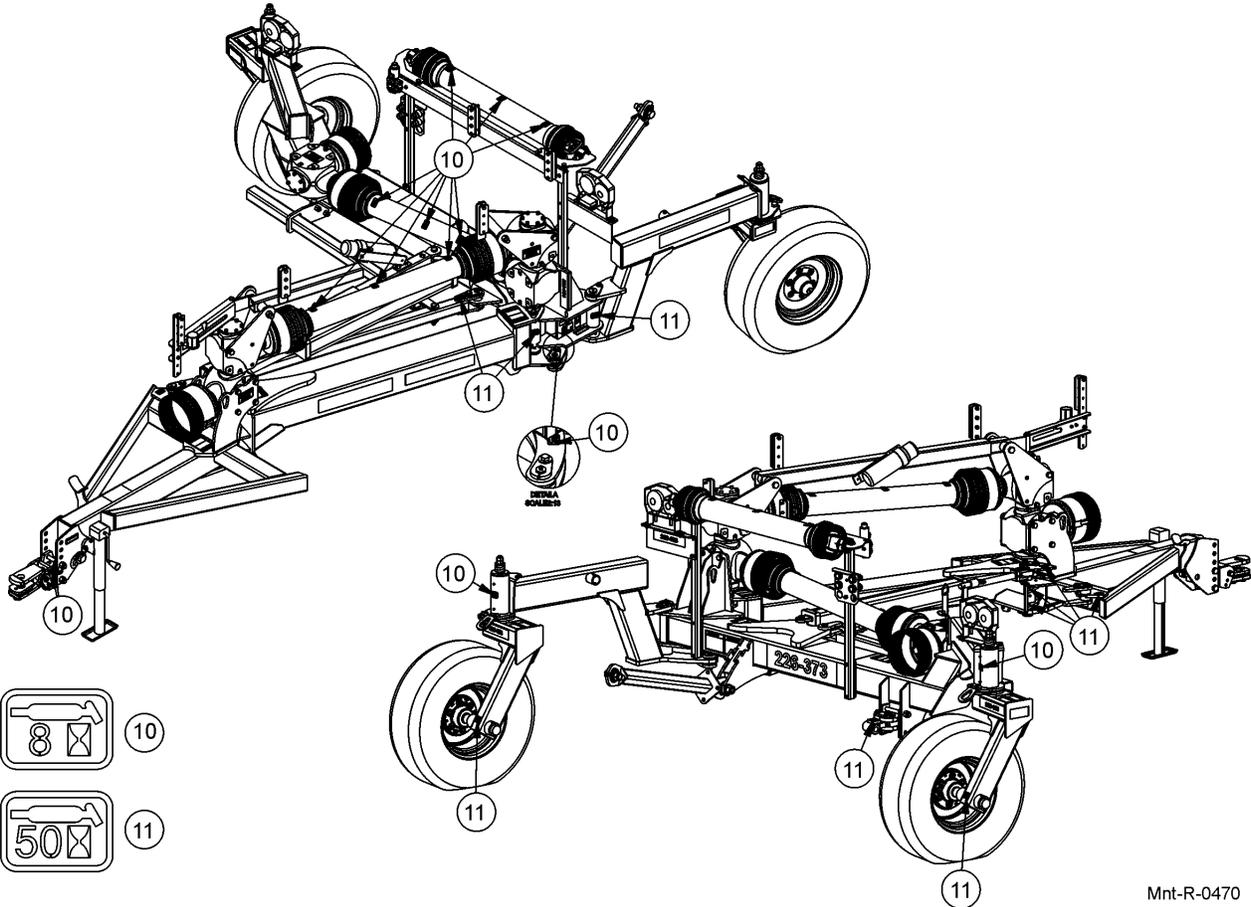


Cancer and Reproductive Harm www.P65Warnings.ca.gov PN HM02-A

MAINTENANCE

MAINTENANCE

LUBRICATION



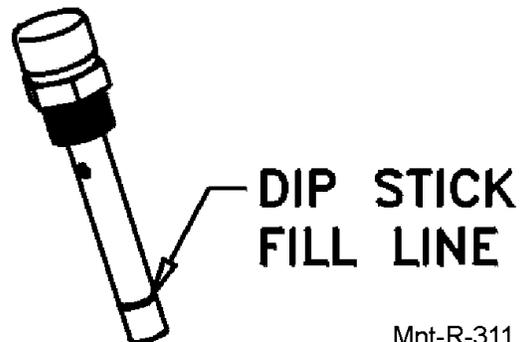
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Gearboxes

Replace oil in gearboxes after the first 50 hours of operation then yearly. Check gearbox oil level frequently. Steady loss of oil will indicate damaged seals, which should be replaced immediately to prevent ruining the gearbox. Use of an oil/grease pump to suck oil out of the gearbox is recommended to minimize spilled oil and to provide for more complete removal of old oil.

Procedure for refilling of cutter gearboxes:

- A dip stick is provided on the vent plug. Fill until oil shows on the dip stick. Do not screw dipstick in when checking oil level.

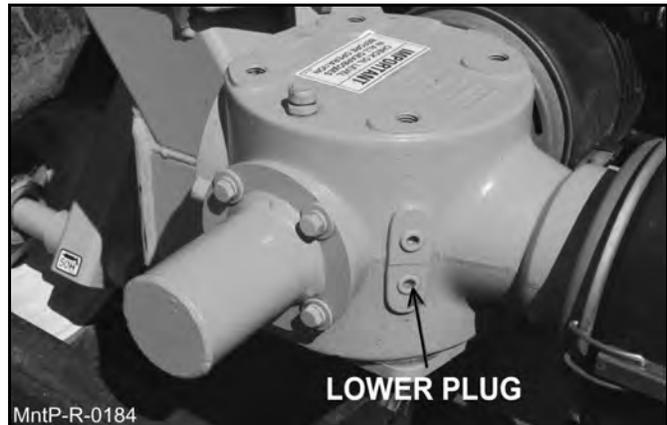


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MAINTENANCE

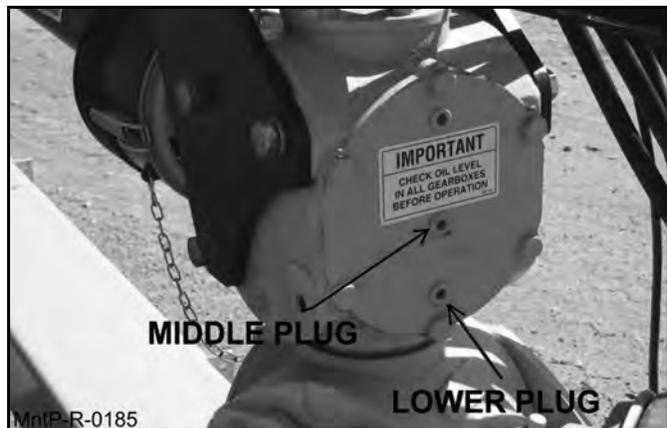
Procedure for refilling of FLEX-ARM right angle gearbox:

- Remove lower level plug. Remove breather vent
- Fill through breather vent until oil starts to run out of lower level plug. Replace plug and vent.



Procedure for refilling of FLEX-ARM swivel gearboxes:

- Remove lower level plug. Remove breather vent.
- Replace lower level plug. Remove middle level plug. Fill through breather vent or middle plug until oil starts to run out of middle level plug. Replace middle level plug and vent.
- Use good quality 80/90 oil.



WARNING

WHEN FILLING RIGHT ANGLE DRIVES ALLOW APPROX. 15 MIN. FOR OIL TO SETTLE INTO BOTTOM CAVITY BEFORE CHECKING DIPSTICK.

IMPORTANT: The upper bearing in the upper swivel gearbox is grease lubricated. A grease fitting is provided in the upper gearbox for replenishing the grease supply. Add 5-6 shots of grease yearly. Use a hand operated grease gun. Use NLGI #2 EP grease



MAINTENANCE

MAINTENANCE

Universal Joint Assemblies

-Type of Grease: A good quality NLGI #2 EP grease, lithium soap base should be used to grease the needle bearings in cross journals, shield bearings, telescoping members and CV centering mechanism. For heavy duty applications a compatible grease with 3 to 5% molybdenum disulfide additive may be used.

-Cross Journals: Every 8 hours.

Lubricate until grease purges from underneath all four needle bearing caps.

-Shield Retaining Bearings: Every 8 hours.

The shield bearings are greased by a fitting molded into the shielding bell. Three pumps are required.

Important

Check that the driveline shielding is not damaged and rotates freely on the driveline.

-Constant Velocity Body: Every 4 hours.

The housing for the CV body serves as a reservoir for the lubrication of the centering mechanism. Approximately 30 pumps are required every 4 hours

-Telescoping Tubes: Every 4 hours. Apply grease to the collar located at the middle of the shaft. The grease fitting on this collar will come exposed when the cutter wings are laying flat. Occasionally (monthly) pull the universal joint halves apart and apply grease to all sides of the slip shaft. At least once per year (more often in dusty or dirty conditions) the shielding should be removed and the old grease removed with a solvent. A fresh coat of grease should then be applied to the entire surface of the inner tube.

Important

If the universal joint sliding members are allowed to dry out to the point where two halves cannot slip freely, damage to the rotary cutter or tractor may occur.

CAUTION

Always wear protective gloves when handling grease.

Frame

NLGI #2 EP molybdenum disulfide fortified grease is preferred for all sliding contact type applications such as frame pins.

Frame pivot points: Daily during the first week of usage, and every 50 hours of operation thereafter, 16 locations:

- (1) Hitch clevis, swivel
- (1) Hitch frame, main pivot
- (2) Arm link, both ends
- (1) Arm, main pivot
- (2) Castor frame link – 15' configuration only
- (1) Castor frame, pivot – 15' configuration only
- (1) Hydraulic cylinder – rod end
- (2) Castor pivot sleeve
- (2) Hitch tongue – cross pin grease fitting is on bottom side of sleeve

MAINTENANCE

MAINTENANCE

Nuts and Bolts

1. Check all nuts and bolts for tightness after the first 8 hours of operation then weekly. Check the condition of cotter pins, roll pins and other fasteners weekly and replace if necessary.
2. Castor spring adjustment
A compression spring is used to maintain friction between the castor swivel plates and reduce the tendency of the castor wheel to whip. Compression spring tension should be set as follows:
 - Tighten the lower nut until the spring is fully compressed.
 - Back the lower nut by one full turn.
 - Hold the position of the lower nut and tighten.

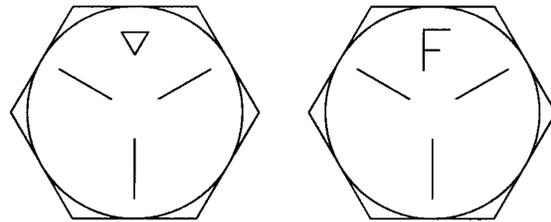
3. Bolt Grades and Torque

When replacing damaged bolts use only plated Grade 5 bolts unless otherwise specified. Use only bolts of the correct length (Refer to the "Parts" Manual). Do not replace locknuts with nuts and lockwashers. Use only original equipment locknuts.

Recommended Torque in foot pounds for SAE Grade 5 bolts, based on dry assembly:

Bolt Size	UNC		UNF	
	Ft-lbs	Nm	Ft-lbs	Nm
1/4"	8	11	10	14
5/16"	17	23	19	26
3/8"	31	42	35	47
7/16"	49	66	55	75
1/2"	75	102	85	115
5/8"	150	203	170	230
3/4"	269	365	297	403
1"	644	873	704	954
1-1/4"	1255	1700	1380	1870

GRADE (5) Bolt Head



Mnt-R-0285

MAINTENANCE

MAINTENANCE

IMPERIAL TO METRIC CONVERSION TABLE

Diameter of Bolts		
Inches	Inches	Millimeters
0.25	1/4	6
0.3125	5/16	8
0.375	3/8	10
.05	1/2	12
0.625	5/8	16
0.75	3/4	20
1	1	24
1.25	1-1/4	30
1.5	1-1/2	36

Length of Bolts					
Inches	Inches	Millimeters	Inches	Inches	Millimeters
0.5	1/2	12	5.25	5-1/4	130
0.625	5/8	16	5.5	5-1/2	140
.075	3/4	20	5.75	5-3/4	150
1	1	25	6	6	150
1.25	1-1/4	35	6.25	6-1/4	160
1.5	1-1/2	40	6.5	6-1/2	170
1.75	1-3/4	45	6.75	6-3/4	170
2	2	50	7	7	180
2.25	2-1/4	60	7.25	7-1/4	190
2.5	2-1/2	65	7.5	7-1/2	190
2.75	2-3/4	70	7.75	7-3/4	200
3	3	75	8	8	200
3.25	3-1/4	80	8.25	8-1/4	210
3.5	3-1/2	90	8.5	8-1/2	220
3.75	3-3/4	100	8.75	8-3/4	220
4	4	100	9	9	230
4.25	4-1/4	110	9.25	9-1/4	240
4.5	4-1/2	120	9.5	9-1/2	240
4.75	4-3/4	120	9.75	9-3/4	250
5	5	130	10	10	260

Grade / Class			
Imperial		Metric	
	Gr 5	Cl 8.8	
	Gr 8	Cl 10.9	

NOTE: This conversion sheet should only be used when all options to use correct hardware have been exhausted.

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TIRES

Periodically check tire pressure. Tires should be inflated to 70 PSI. Higher pressures may cause excessive bouncing over rough ground. Lower pressures may cause excessive wear.

DO NOT over inflate.

Periodically check tire condition and replace if it is excessively worn, cut or damaged.

Torque the wheel bolts to a 120 ft.-lbs minimum and 140 ft.-lbs maximum. Torque all bolts in a star pattern.

MAINTENANCE

HUBS AND SPINDLES

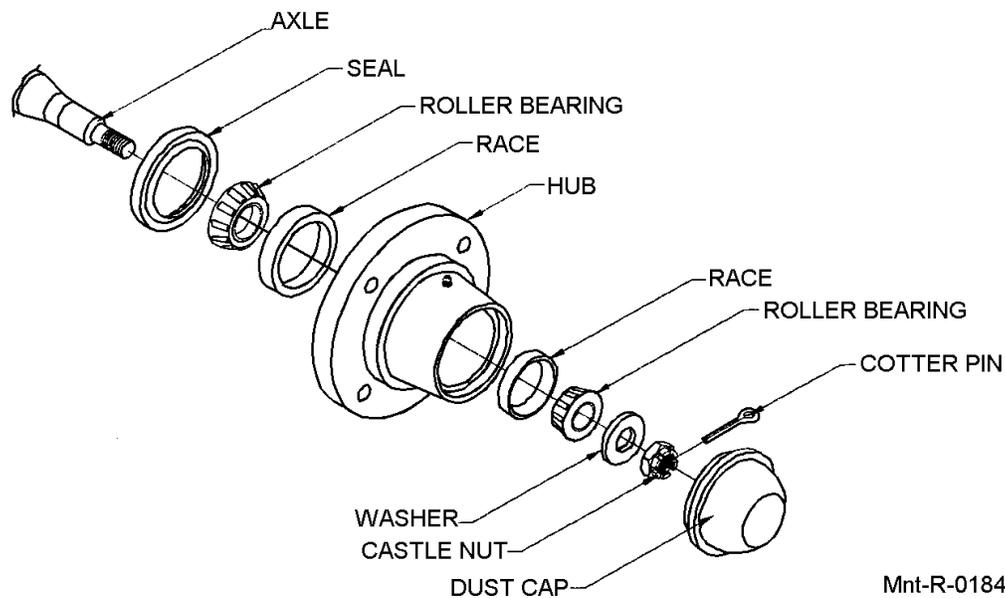
Check hubs weekly for bearing play and condition of seal.

Greasing and Installation

It is recommended that hubs are dismantled, cleaned and repacked every year. Use the diagram and following instructions for maintaining the wheel hubs. Whenever a worn or damaged seal is replaced the bearing assembly should be cleaned and repacked with a good grade of wheel grease.



Always wear protective gloves when handling grease.



1. Using a grease packer, pack both roller bearings with a good grade of wheel grease. The bearings should be thoroughly coated with grease. Spread grease on the outside of the bearing with your gloved finger. Ensure that no dirt or filings contact the grease or the bearings.
2. Pack the inside of the hub completely with grease.
3. Apply grease on both races.
4. Install the large bearing into the back of the hub and rotate the bearing several times.
5. Install the dust/grease seal using the right size seal driver. Spread a film of grease on the dust seal rubber and on the axle where the seal fits.
6. Position the hub on the axle and firmly push into place then pull hub towards you about 1". Slowly rotate hub while gently pushing the hub back onto the axle.
7. Check dust seal to ensure seal rubber is positioned correctly.
8. Install the small or outer bearing.
9. Install the axle washer and castle nut on the axle.
10. Fill dust cap with grease before re-assembling.

MAINTENANCE

Tightening Instructions for 618 Hubs

Proper setting for the tapered roller bearings is described in the following procedure. Always use a new cotter pin when making adjustments to the hubs.

1. Tighten the castle nut to 20 foot pounds while turning hub. Then back the nut off 1/2 of a turn. Spin the hub 2 or 3 times. While slowly turning hub clockwise, finger tighten the castle nut until castle nut notch lines up with hole in axle. If notch will not line up, back off nut to next notch.
2. Put the cotter pin in the axle hole. Before bending the cotter pin, spin the hub. The hub should free wheel from 1 to 2 full turns.
3. If the hub spins the right amount, finish installing the cotter pin by bending the ends.
4. Coat the inside of the dust cap with a thin coat of grease by using your gloved finger. Then install on hub using the right dust cap driver.
5. Wipe off all excess grease from hub and axle.

Important

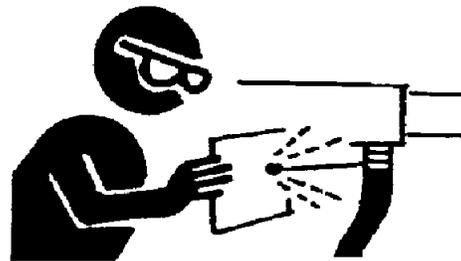
There should not be any drag noticed when spinning a tire installed on a hub. If the axle nut is too tight, the rollers of the wheel bearings will remove the grease from the bearing races, decreasing the life of the bearings.

HYDRAULICS

Periodically clean dirt and debris from the bottom side of the depth stop ring.

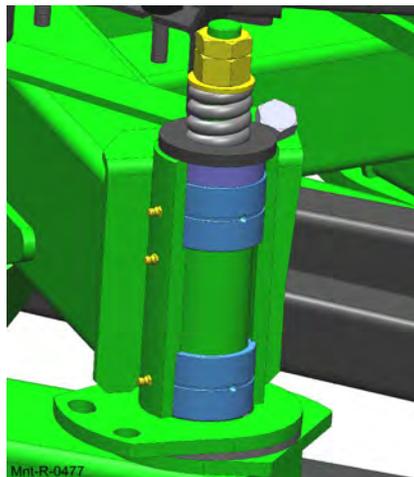
Inspect hydraulic hoses, fittings and cylinders for wear or leaks. Use a piece of cardboard or wood rather than hands to search for suspected leaks. Replace if necessary.

Before applying pressure to the hydraulic system, be sure all connections are tight and that the hoses are not damaged.



Replacing Nylatron Bushings in the Castor Pivot Sleeves

When replacing the Nylatron bushings in the castor pivot, use the following procedure. Install the Nylatron bushings (364-001) with holes 90 degrees to the grease fitting holes. Once installed drill through the bushing with a 7/32 diameter drill, using the grease fitting holes as templates.



SEGURIDAD

SEGURIDAD

PELIGRO	<p>Si no puede leer inglés: antes de poner en funcionamiento este equipo, solicite que alguien le traduzca los mensajes de seguridad o vaya al sitio web para consultar los mensajes de seguridad y las etiquetas ya traducidos.</p>
DANGER	<p>Si vous ne savez pas lire le l'anglais: avant d'utiliser l'équipement, demandez à une personne de vous traduire les messages de sécurité ou allez sur le site Internet pour voir la traduction des autocollants et des messages de sécurité.</p>
<p>El Manual del Operador Seguridad vídeo</p>   <p>www.algqr.com/sms</p>	<p>Manuel de l'Opérateur</p>   <p>www.algqr.com/smf</p>

PERIGO	<p>Caso você não leia inglês: antes de operar o equipamento, peça para alguém traduzir as mensagens de segurança ou visite a web e obtenha tais mensagens ou os decalques traduzidos.</p>
GEFAHR	<p>Falls Sie Englisch nicht lesen können: Lassen Sie sich, bevor Sie das Gerät in Betrieb nehmen, die Sicherheitshinweise von einer geeigneten Person in Ihre Sprache übersetzen. Oder suchen Sie auf unserer Website nach Übersetzungen von Schilderurschriften und Sicherheitshinweisen.</p>
<p>Manual do Operador</p>   <p>www.algqr.com/smp</p>	<p>Benutzerhandbuch</p>   <p>226-491 www.algqr.com/smg</p>

SEGURIDAD

SEGURIDAD

⚠️ ADVERTENCIA

PARA EVITAR MUERTE O LESION GRAVE:

- El uso de piezas no originales puede provocar el fallo de la pieza, creando condiciones peligrosas para el operador y personas presentes.
- SOLO use piezas de repuesto genuinas de Schulte, que han sido validados y probados para usar en equipo Schulte por el fabricante.
- El fabricante del equipo no puede verificar el material o integridad estructural de piezas de repuesto no genuino suministrados.



Contacte a su distribuidor local o SCHULTE sobre partes de reparo a:
 PO BOX 70, Englefeld,
 Saskatchewan Canada SOK 1 NO
 Customer Service: 306-287-3715
 Email: info@schulte.ca

www.algqr.com/spm

⚠️ WARNING

TO AVOID DEATH OR SERIOUS INJURY:

- ONLY use genuine SCHULTE replacement parts, which have been validated and tested to use on Schulte equipment by the manufacturer.
- The equipment manufacturer cannot verify the material or structural integrity of third-party supplied non-genuine replacement parts.
- Using non-genuine parts can result in the part failing, creating hazardous conditions for operator and bystanders.



Contact local dealer or SCHULTE about repair parts at:
 PO BOX 70, Englefeld,
 Saskatchewan Canada SOK 1 NO
 Customer Service: 306-287-3715
 Email: info@schulte.ca

www.algqr.com/spm

IMPORTANT

ESTE CONSCIENTE SEA ENTRENADO

BE TRAINED Before Operating this Mower
BE ALERT Before Operating this Mower
BE ALIVE Before Operating this Mower

Para prevenir lesiones graves a usted y/o personas presentes, sea entrenado en la Práctica de Segar Seguro. Compañías de Alamo Group, Alamo Industrial, Bush Hog, Rhino, Schulte y Tiger así como AEM y FEMA proporcionan material para su seguridad y la seguridad de otros al operar este equipo. Haga estos procedimientos de seguridad una parte importante de su día de trabajo. Lea y entienda el Manual de Operadores. No permita que personas sin entrenamiento funcionen este equipo. Contacte a su distribuidor, AEM (www.aem.org), FEMA (314-878-2304, www.FarmEquipment.org), o Alamo Group (www.Alamo-Group.com) para la información sobre el material de entrenamiento o cursos que ofrecen el entrenamiento de Prácticas de Operación para Cortadoras.



www.algqr.com/svs

IMPORTANT

BE AWARE Before Operating this Mower

BE TRAINED Before Operating this Mower
BE ALERT Before Operating this Mower
BE ALIVE Before Operating this Mower

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



www.algqr.com/svs

⚠️ ADVERTENCIA

Cáncer y Daño Reproductivo

www.P65Warnings.ca.gov

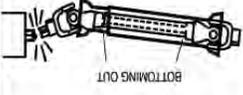
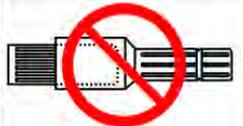
⚠️ WARNING

Cancer and Reproductive Harm

www.P65Warnings.ca.gov

SEGURIDAD

SEGURIDAD

⚠ PELIGRO	⚠ DANGER
<p>PARA EVITAR MUERTE O LESION GRAVE POR CONTACTO A LA LINEA DE CONDUCCION, SEPARACION DE CONDUCCION, SEPARACION DE LINEA DE CONDUCCION O EL FRACASO DEL EJE DE PTO:</p> <ul style="list-style-type: none"> ● PARE, MIRE y ESCUCHE por el movimiento de rotación antes de acercarse al implemento. ● MANTENGASE ALEJADO y MANTENGA manos, pies y cuerpo AWAY from rotating parts until all moving elements have stopped. ● LEJOS de partes girando, hasta que todos los elementos de movimiento se han parado. ● SIEMPRE apague la Toma De Fuerza (Barra Gítoria) antes de desmontar. ● NO opere si las cubiertas de Toma De Fuerza (Barra Gítoria) están dañadas. ● TRABE el YUGO de collar de fijación de la LINEA DE CONDUCCION al eje de PTO (Barra Gítoria) del tractor. ● EMPUJE Y JALE el yugo hasta que el collar de fijación hace clic y el yugo se traba en lugar. ● USE la longitud de línea de conducción CORRECTA para el implemento. (Vea el Manual de Operador para el Procedimiento) ● REVISE las guardias de línea de conducción por giración libre y suficiente trasape para evitar áreas sin cobertura. ● NO UTILICE UN ADAPTADOR PARA LA TOMA DE FUERZA (Barra Gítoria). 	<p>TO AVOID DEATH OR SERIOUS INJURY FROM DRIVELINE CONTACT, DRIVELINE SEPARATION OR PTO SHAFT FAILURE:</p> <ul style="list-style-type: none"> ● STOP, LOOK and LISTEN for rotating motion before approaching implement. ● STAY AWAY and KEEP hands, feet and body AWAY from rotating parts until all moving elements have stopped. ● ALWAYS shut off PTO before dismounting. ● DO NOT operate if PTO shields are damaged or missing. ● LOCK DRIVELINE locking collar YOKE to tractor PTO Shaft. ● PUSH AND PULL on yoke until collar clicks and locks yoke in place. ● USE CORRECT length drivelines for implement. (See Operator's Manuals for procedure) ● CHECK driveline guards for free rotation and sufficient overlap to avoid unshielded areas. ● DO NOT USE PTO ADAPTER
<p>● PTO (Barra Gítoria)</p>   	<p>● DO NOT OPERATE IF PTO SHIELDS ARE DAMAGED OR MISSING.</p>   

<p>⚠ PELIGRO</p>	<p>⚠ DANGER</p>	
<p>PARA EVITAR MUERTE O LESION GRAVE:</p> <ul style="list-style-type: none"> ● LEA Y ENTIENDA el Manual de Operador proporcionado, signos de seguridad y calcomanías informativas para el tractor y implemento antes de operar el equipo. ● CONTACTE AL DISTRIBUIDOR inmediatamente si no tiene los manuales. ● CONTACTE AL DISTRIBUIDOR para que le explique cualquier instrucciones que no entienda completamente. ● ENTIENDA COMO parar el tractor y equipo rápidamente en caso de una emergencia. ● SIEMPRE USE lentes de seguridad. ● USE un casco, zapatos de seguridad y guantes para su protección cuando esta operando el equipo. <p>226-465</p>	 <p>226-465_3</p>	<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> ● READ AND UNDERSTAND the provided Operator's Manuals, safety signs and information decals for tractor and implement before operating equipment. ● CONTACT DEALER immediately if you do not have manuals. ● CONTACT DEALER to explain any instructions not fully understood. ● KNOW HOW to stop tractor and equipment quickly for an emergency. ● ALWAYS WEAR safety glasses. ● WEAR hard hat, safety shoes and gloves for protection when operating equipment.

SEGURIDAD

⚠ PELIGRO			 <p>226-465_2</p>	<p>TO AVOID DEATH OR SERIOUS INJURY FROM ENTANGLEMENT AND THROWN OBJECTS:</p> <ul style="list-style-type: none"> • DO NOT OPERATE mower without shields and guards in place and in good condition. • DO NOT OPERATE with thrown object shielding or guards missing. • Thrown objects shielding, PTO and gearbox guarding are SUBJECT TO WEAR. • REPAIR OR REPLACE shielding if damaged, broken or missing. See Operator's Manual for all Shields and Guards. • ALWAYS REPLACE GUARDS that have been removed for service or maintenance. • DO NOT STEP ON drivelines or guards.
⚠ PELIGRO	<p>PARA EVITAR MUERTE O LESION GRAVE POR ENREDAMIENTO Y OBJETOS LANZADOS:</p> <ul style="list-style-type: none"> • NO OPERE la unidad sin cubiertas maya protectoras en su lugar y en buenas condiciones. • NO OPERE sin las cubiertas de objetos lanzados o si faltan las maya protectoras. • Cubierta de Objetos Lanzados, Toma De Fuerza (Barra Gritatoria) y guardias de caja de engranaje son SUJETO AL DESGASTE. • REPARARE O REEMPLACE cubiertas si son dañadas, quebradas, o si faltan. • SIEMPRE REEMPLACE CUBIERTAS que han sido quitadas para servicio o mantenimiento. • NO PISE EN las líneas de conducción o cubiertas. 			

SEGURIDAD

SEGURIDAD

SEGURIDAD

<p>⚠ PELIGRO</p>	<p>Riesgo de Atrpello Muerte o Lesion</p>	<p>PARA EVITAR MUERTE O LESION GRAVE:</p> <ul style="list-style-type: none"> • SIEMPRE USE tractors equipados con una Estructura Protectora Contra Vuelcos ("ROPS"), incluyendo BARRA ANTIVUELCO y CINTURON DE SEGURIDAD al segar. • SOLO ENCIENDA el tractor mientras que esta sentado en el asiento del operador. • NO MONTE o DESMONTE el tractor en movimiento. • NUNCA PERMITA pasajeros en el tractor o implemento. • NUNCA PERMITA que niños operen o se monten en el tractor o implemento. • MANTENGA LAS PERSONAS PRESENTES LEJOS de la area antes de mover el tractor o implemento. • PARE EL MOTOR Y Toma De Fuerza (Barro Gíttoria), aplique el freno de mano, baje el implemento, y deje que todas las partes movill paren completamente, y quite la llave antes de desmontar el tractor. 		<p>Run Over Hazard Death or Injury</p>	<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> • ALWAYS USE Roll Over Protective Structure ("ROPS") including ROLL BAR and SEAT BELT equipped tractors for mowing operations. • ONLY START Tractor while seated in the operator's seat. • DO NOT MOUNT or DISMOUNT Tractor in motion. • NEVER ALLOW riders on tractor or implement. • NEVER ALLOW children to operate or ride on tractor or implement. • KEEP BYSTANDERS CLEAR of area before moving tractor or implement. • STOP ENGINE AND PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. <p>226-465_1</p>
	<p>Sección de Seguridad 1-24</p>	<p>FLX-1510 08/22</p>			

SEGURIDAD

SEGURIDAD

▲ ADVERTENCIA	▲ WARNING	
<p>PARA EVITAR MUERTE O LESION GRAVE POR LA PENETRACION A LA PIEL POR ALTA PRESION DE ACEITE HIDRAULICO:</p> <ul style="list-style-type: none"> • NO OPERE el equipo con fugas de aceite o combustible. • MANTENGA todas las mangueras hidráulicas, líneas y conexiones en buenas condiciones y apretadas antes de aplicar presión al sistema. • Relieve la presión hidráulica antes de desconectar las líneas o trabajar en le sistema. • QUITE y reemplace la manguera si sospecha que hay fuga. • FUGAS DE ALTA PRESION PUEDEN SER INVISIBLE. AL VERIFICAR POR FUGAS HIDRAULICAS Y TRABAJANDO ALREDEDOR DE SISTEMAS HIDRAULICOS: • NO use las manos para verificar si hay agujeros. • SIEMPRE USE lentes de seguridad con protectores laterales (marcados para cumplir con ANSI Z87) y guantes impermeables. • USE papel o un cartón para buscar agujeros. • NO USE las manos o partes del cuerpo para buscar agujeros. • MANTENGA manos y cuerpo LEJOS de agujeros de alfiler y boquillas que expulsan el líquido hidráulicos. 	<div style="text-align: center;">    </div> <p style="text-align: center;">226-466</p>	<p>TO AVOID DEATH OR SERIOUS INJURY FROM HIGH PRESSURE HYDRAULIC OIL LEAKS PENETRATING SKIN:</p> <ul style="list-style-type: none"> • DO NOT OPERATE equipment with oil or fuel leaks. • KEEP all hydraulic hoses, lines and connections in good condition and tight before applying system pressure. • Relieve hydraulic pressure before disconnecting lines or working on the system. • REMOVE and replace hose if you suspect it leaks. Have dealer test it for leaks. • HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE. WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS: • DO NOT use hands to check for leaks. • ALWAYS WEAR safety glasses with side shields (marked to comply with ANSI Z87) and impermeable gloves. • USE paper or cardboard to search for leaks. • KEEP hands and body AWAY from pin holes and nozzles ejecting hydraulic fluid. • Hydraulic fluid may cause gangrene if not surgically removed immediately by a doctor familiar with this form of injury.

NOTICE	<p>Do not tow at speeds greater than 20 MPH(30 KM/H.)</p> <p>Ensure mass of towing vehicle is at least 2/3 times the mass of the towed machinery.</p> <p>Be sure to park on level ground to a maximum of 10% ground slope.</p>
AVISO	<p>No remolque a velocidades superiores a 20 MPH (30 KM / H.)</p> <p>Asegúrese de que el peso del vehículo remolcado sea al menos 2/3 veces el peso de la maquinaria remolcada.</p> <p>Asegúrese de estacionarse en un terreno nivelado con una pendiente máxima del 10%.</p> <p style="text-align: right;">D226-659</p>

SEGURIDAD

SEGURIDAD

<p>⚠ PELIGRO</p>	<p>Riesgo de Aplastamiento Lesion o Muerte</p>	<p>PARA EVITAR MUERTE O LESION GRAVE:</p> <ul style="list-style-type: none"> • USE un tractor equipado con Estructura Protectora Contra Vuelcos ("ROPS") incluyendo barra antivuelco y cinturón de seguridad. Mantenga la barra antivuelco en la posición elevada. • MANTENGASE ALERTO y EVITE golpes en troncos, agujeros, pozos o terreno en desnivel. • SIEMPRE ABROCHE el cinturón de seguridad. • PERMANEZCA ALEJADO al quitar el seguro de transporte, y al bajar o subir las alas. • DESOCUPE el AREA de personas presentes antes de bajar las alas del implemento. • EL IMPLEMENTO SE PUEDE CAER por el mal funcionamiento hidráulico o operación accidental de los controles. • BLOQUEE y soporte con seguridad el equipo antes de poner manos, pies o cuerpo debajo del equipo o componentes levantados.
	<p>226-464</p> 	
<p>⚠ DANGER</p>	<p>Crushing Hazard Injury or Death</p>	<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> • USE tractor equipped with Rollover Protective Structure ("ROPS") including roll bar and seat belt. Keep roll bar in raised position. • KEEP ALERT and AVOID hitting stumps, holes, ruts, and uneven terrain. • ALWAYS BUCKLE UP seat belt. • STAND CLEAR when removing transport latch, lowering or raising wings. • CLEAR AREA of bystanders before lowering implement wings. • IMPLEMENT CAN FALL from hydraulic failure or accidental operation of controls. • BLOCK UP and securely support equipment before putting hands, feet or body under raised equipment or lifted components.
<p>226-464_3</p>		

SEGURIDAD

SEGURIDAD

<p>▲ PELIGRO</p> <p>MANTENGASE ALEJADO</p> <p>Riesgo de Enredamiento</p>	<p>TO AVOID DEATH OR SERIOUS INJURY:</p> <ul style="list-style-type: none"> • DO NOT operate without guards in place and in good condition. • STAY AWAY and KEEP hands, feet and body AWAY from rotating blades, drivelines and parts that continue to move after power shut-off. WAIT until all moving elements have stopped. • STOP, LOOK and LISTEN for rotating motion before approaching implement. • STOP ENGINE and PTO, engage parking brake, lower implement, allow all moving parts to stop and remove key before dismounting from tractor. 	
	<p>Entanglement Hazard</p>	
<p>PARA EVITAR MUERTE O LESION GRAVE:</p> <ul style="list-style-type: none"> • NO opere sin la cubierta protectora en su lugar y en buen estado. • MANTENGASE ALEJADO y MANTENGA manos, pies y cuerpo LEJOS de las cuchillas girando, líneas de conducción, y partes que siguen moviéndose después de que el poder es apagado. ESPERE hasta que todos los elementos móviles se han parado. • DETENGASE, OBSERVE y ESCUCHE por el movimiento de rotación antes de acercarse al implemento. • PARE EL MOTOR y el Toma De Fuerza (Barra Gítoria) active el freno de mano, baje el implemento, y permita que todas las partes móviles se paren y quite la llave antes de desmontar del tractor. 		

SEGURIDAD

SEGURIDAD

<p>⚠ PELIGRO</p>	<p>CONSERVESE LEJOS DE OBJETOS LANZADOS</p>		<p>⚠ DANGER</p>
	<p>PARA EVITAR MUERTE O LESION GRAVE a operadores y personas presentes: Cortacésped puede lanzar objetos hasta 300 pies. NO OPERE sin la cubierta para objetos lanzados. • MANTENGA la cubierta para objeto lanzado en su lugar y en buenas condiciones. • INSPECCIONE el área por si hay riesgos potenciales de objetos lanzados antes de segar. • REMUOVA Y EVITE objetos como alambre, cable, como alambre, cable, objetos de metal y todo otro material extraño. • NO DEJE que las cuchillas contacten los objetos sólidos como alambre, rocas, postes, borde de banqueta, o barandillas. • NO OPERE en posición de transporte o con las alas levantadas.</p>		

- Mower can throw objects up to 300 feet. **TO AVOID DEATH OR SERIOUS INJURY to operator or bystanders:**
- **STOP** mowing if bystanders or traffic come within 300 feet.
- **DO NOT OPERATE** with thrown object shielding removed.
- **KEEP** thrown object shielding in place and in good condition during operation.
- **INSPECT** area for potential mower thrown object hazards before mowing.
- **Remove and AVOID** objects such as wire, cable, metal objects and all other foreign material.
- **DO NOT ALLOW** blades to contact solid objects like wire, rocks, posts, curbs or guard rails.
- **DO NOT OPERATE** in transport position or with wings off ground.

- Cortacésped puede lanzar objetos hasta 300 pies. **NO OPERE** sin la cubierta para objetos lanzados.
- **MANTENGA** la cubierta para objeto lanzado en su lugar y en buenas condiciones.
- **INSPECCIONE** el área por si hay riesgos potenciales de objetos lanzados antes de segar.
- **REMUOVA Y EVITE** objetos como alambre, cable, como alambre, cable, objetos de metal y todo otro material extraño.
- **NO DEJE** que las cuchillas contacten los objetos sólidos como alambre, rocas, postes, borde de banqueta, o barandillas.
- **NO OPERE** en posición de transporte o con las alas levantadas.



SEGURIDAD

SEGURIDAD

IMPORTANT

Required for Standard Pull Type Units.

Requerido por Unidades de Tipo Tiron Estandar.

IMPORTANT

Attach Safety Chain securely. Coloque la Cadena de Seguridad seguramente.

ADVERTENCIA

LEJOS DE OBJETOS LANZADOS

PARA EVITAR MUERTE O LESION GRAVE:

- Asegure que la rotación de la cuchilla es como es demostrado.
- Funcione la cortadora en la dirección del tráfico.

ADVERTENCIA

THROWN OBJECT HAZARD

TO AVOID DEATH OR SERIOUS INJURY:

- Make sure the blade rotation is as shown.
- Operate mower with the direction of traffic.

ADVERTENCIA

TO AVOID SERIOUS INJURY:

- Fully engage jack retaining pin.
- Lower mower to ground so jack is positioned vertically.
- DO NOT exceed rated loads.

WARNING

Rated Vertical: 3,200 lbs
Loads Side: 2,000 lbs

PARA EVITAR LESION SERIA:

- Aplique completamente el perno de retencion al gato.
- Baje la cortador al piso para que el gato este posicionado verticalmente.
- NO exceda las cargas calculadas.

ADVERTENCIA

DO NOT OPERATE

GUARD MISSING

DANGER

ADVERTENCIA

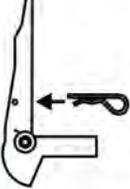
NO OPERE

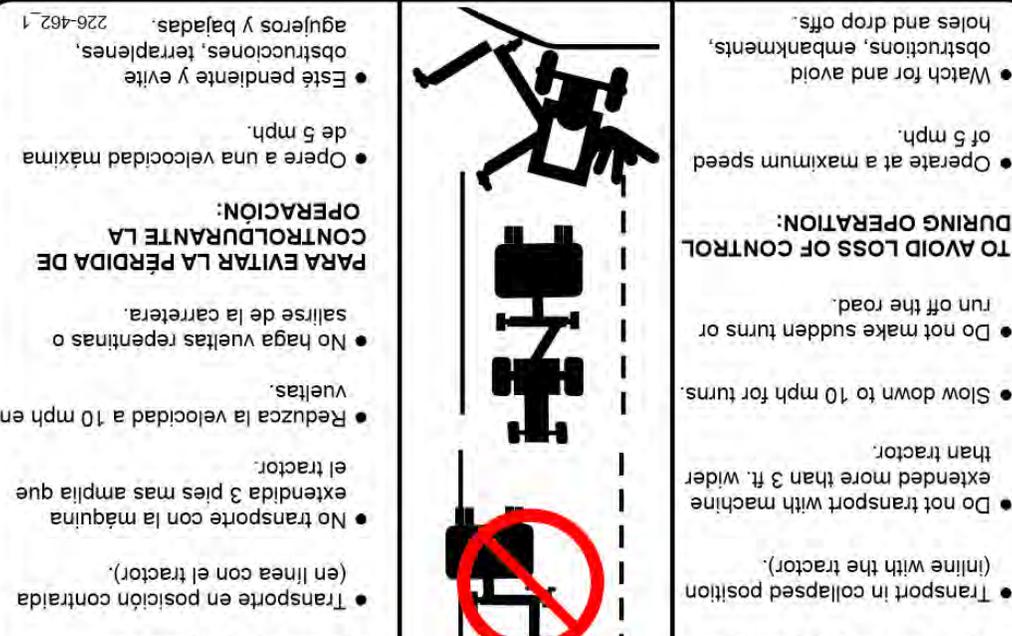
FALTA LA CUBIERTA

PELIGRO

<p>PARA EVITAR MUERTE O LESION GRAVE AL REMOLCAR EL EQUIPO:</p> <ul style="list-style-type: none"> • NO REMOLQUE con camion o cualquier otro vehiculo. • SOLO transporte con un tractor bien equipado y de tamaño adecuado (vea el Manual de Operador) • APLIQUE LA CEDENA DE SEGURIDAD al tractor. • VERIFIQUE EL SMV, reflectors, y luces intermitentes de advertencia por detras de la unidad. • PRIENDA las luces intermitentes de advertencia. <p>PARA EVITAR PERDIDA DE CONTROL DE REMOLQUE:</p> <ul style="list-style-type: none"> • NO remolque en velocidades arriba de 20 mph. • REDUZCA LA VELOCIDAD en inclinias, en vueltas y en la pobres condiciones de remolque. 		<p>TO AVOID DEATH OR SERIOUS INJURY WHEN TOWING EQUIPMENT:</p> <ul style="list-style-type: none"> • DO NOT TOW with trucks or other vehicles. • ONLY transport with properly sized and equipped tractor. (see Operator's Manual) • ATTACH implement SAFETY CHAIN to tractor. • CHECK SMV sign, reflectors and warning lights for visibility behind unit. • TURN ON tractor flashing warning lights. <p>TO AVOID LOSS OF TOWING CONTROL:</p> <ul style="list-style-type: none"> • DO NOT tow at speeds over 20 mph. • REDUCE SPEED on inclines, in turns and in poor towing conditions.
<p>▲ WARNING ▲ ADVERTENCIA</p>		

<p>PARA EVITAR INCENDIOS DE EQUIPO Y CÉSPED:</p> <ul style="list-style-type: none"> • QUILTE el césped o escombros de embrague deslizante, caja de engranajes, líneas de conducción y cubiertas. <p>PARA EVITAR INCENDIOS POR IGNICION:</p> <ul style="list-style-type: none"> • NO PERMITA QUE LAS LAMINAS CONTACTEN piedras, metal o objetos solidos. 		<p>TO AVOID EQUIPMENT AND GRASS FIRES:</p> <ul style="list-style-type: none"> • CLEAR AWAY grass or debris from slip clutches, gearboxes, drivelines and decks. • DO NOT ALLOW BLADES TO CONTACT rocks, metal or solid objects.
<p>▲ WARNING ▲ ADVERTENCIA</p>		

<p>▲ WARNING</p>	<p>CRUSHING/SHEARING HAZARD</p>	<p>TO AVOID SERIOUS INJURY:</p> <ul style="list-style-type: none"> • KEEP fingers AWAY from adjustment holes. • Fasten retaining pin after installing wedge lock. 	
<p>▲ ADVERTENCIA</p>		<p>RIESGO DE APLASTAMIENTO/CIZALLAMIENTO</p>	
<p>PARA EVITAR LESION SERIA:</p> <ul style="list-style-type: none"> • MANTENGA dedos ALEJADOS de los agujeros de ajuste. • Asegure el pasador despues de instalar la cuña de bloqueo. 		<p>226-460 SP</p>	

<p>▲ ADVERTENCIA</p>	<p>▲ WARNING</p>
<p>PARA EVITAR MUERTE O LESION GRAVE AL REMOLCAR EL EQUIPO:</p> <ul style="list-style-type: none"> • Transporte en posición contrada (en línea con el tractor). • No transporte con la máquina extendida 3 pies mas amplia que el tractor. • Reduzca la velocidad a 10 mph en vueltas. • No haga vueltas repentinias o salirse de la carretera. <p>PARA EVITAR LA PÉRDIDA DE CONTROL DURANTE LA OPERACIÓN:</p> <ul style="list-style-type: none"> • Opere a una velocidad máxima de 5 mph. • Este pendiente y evite obstrucciones, terraplenes, agujeros y bajadas. <p>226-462_1</p>	<p>TO AVOID DEATH OR SERIOUS INJURY WHEN TRANSPORTING EQUIPMENT:</p> <ul style="list-style-type: none"> • Transport in collapsed position (inline with the tractor). • Do not transport with machine extended more than 3 ft. wider than tractor. • Slow down to 10 mph for turns. • Do not make sudden turns or run off the road. <p>TO AVOID LOSS OF CONTROL DURING OPERATION:</p> <ul style="list-style-type: none"> • Operate at a maximum speed of 5 mph. • Watch for and avoid obstructions, embankments, holes and drop offs.
	

SEGURIDAD

SEGURIDAD

INFORMACIÓN DE PARTES

Las cortadoras SCHULTE usan balancadas y componentes de sistema seleccionado para los portadores de cuchillas, cuchillas, eje de cortar, navaja, suspensiones de navajas, los rodillos, los componentes de línea mortiz, y cojinetes. Estas partes son echas y probadas a la especificaciones de SCHULTE. Partes que no son auténticas no regularmente llegan con estas especificaciones. El uso de partes que no son auténticas puede reducir el funcionamiento de la cortadora, anular garantías, y presentar un peligro de seguridad. Use partes de cortadora auténticas de SCHULTE por economía y seguridad. (SPSI-1 SP) str

CONTACTE A SU DISTRIBUIDOR SCHULTE

Manuales de Partes y Operador



www.aigqr.com/sms

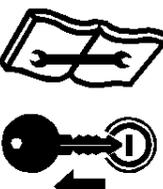
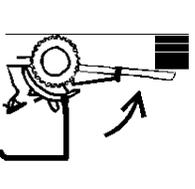
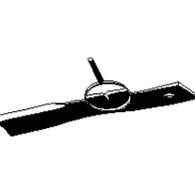
NOTA: Si necesita un manual completamente en español por favor de ponerse en contacto a: Translations, dirección 1502 E. Walnut Street Seguin, TX 78155; Fax: (830) 372-9529

FLX-1510 08/22

Sección de Seguridad 1-16

SEGURIDAD

RIESGOS CON EL MANTENIMIENTO DEL IMPLEMENTO CONTINUADO

	Inspeccione periódicamente todas las partes móviles, lubrique las líneas de conducción y ajuste todas las sujeciones.
	Apague el motor. Quite la llave antes de realizar tareas de mantenimiento.
	Bloquee el implemento antes de repararlo. Utilice bloques grandes sobre suelo blando o húmedo
	Coloque las trabas de transporte cilíndricas
	Inspeccione las cuchillas para detectar fisuras o daños

MANTENGA LOS IMPLEMENTOS EN BUENAS CONDICIONES DE FUNCIONAMIENTO, A TRAVÉS DE UN SERVICIO, REPARACIÓN O MANTENIMIENTO APROPIADO.



REALICE LAS TAREAS DE SERVICIO, REPARACIÓN, LUBRICACIÓN Y MANTENIMIENTO QUE SE DESCRIBEN EN LA SECCION DE MANTENIMIENTO DEL IMPLEMENTO:

- **INSPECCION** el implemento para detectar sujeciones sueltas, partes gastadas o rotas, ajustes sueltos o con filtraciones, que los pasadores tengan chavetas y arandelas, y las partes móviles para detectar el desgaste
- **REEMPLACE** todas las partes gastadas o rotas con repuestos autorizados.
- **LUBRIQUE** la unidad tal como se especifica en el cronograma de lubricación..
- **NUNCA** lubrique, ajuste o quite material mientras el equipo está en funcionamiento o movimiento.
- **AJUSTE** todas las tuercas y pernos tal como se especifica.
- **INSPECCION DE CUCHILLAS:**
- **REEMPLACE** las cuchillas dobladas, dañadas, agrietadas o rotas inmediatamente por cuchillas nuevas.
- **EVITE** fallas de las cuchillas y que vuelen trozos de cuchillas. NO enderece, suelde o suelde con superficies rígidas.
- **INSPECCION DE PROTECTORES DE SEGURIDAD, GUARDAS Y DISPOSITIVOS DE SEGURIDAD:**
- **MANTENGA** en su lugar y en buen estado todos los deflectores, protectores de cadena, protectores de acero, cubiertas de caja de engranajes, cubiertas integrales de PTO, bandas, faldones laterales y zapatas antideslizantes.

REEMPLACE cualquier protector, cubierta o dispositivo de seguridad faltante, roto o gastado.



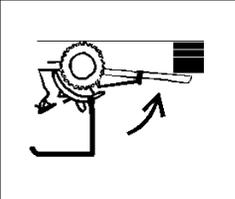
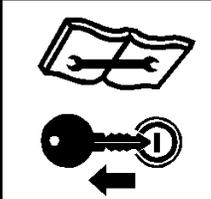
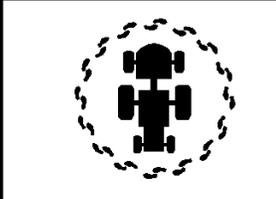
Cáncer y daño reproductivo www.P65Warnings.ca.gov PN HM02 SP str

SEGURIDAD

SEGURIDAD

SEGURIDAD

RIESGOS CON EL MANTENIMIENTO DEL IMPLEMENTO

	Inspeccione las cuchillas para detectar daños o fisuras
	Coloque las trabas de transporte cilíndricas
	Bloquee el implemento antes de repararlo. Utilice bloques grandes sobre suelo blando o húmedo
	Apague el motor. Quite la llave antes de realizar tareas de mantenimiento.
	Inspeccione periódicamente todas las partes móviles, lubrique las líneas de conducción y ajuste todas las sujeciones.

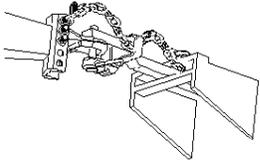
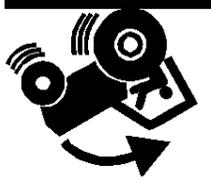
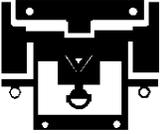
MANTENGA LOS IMPLEMENTOS EN BUENAS CONDICIONES DE FUNCIONAMIENTO, A TRAVÉS DE UN SERVICIO, REPARACIÓN O MANTENIMIENTO APROPIADO.



- ANTES DE REALIZAR TAREAS DE SERVICIO, REPARACIÓN Y MANTENIMIENTO DEL IMPLEMENTO:**
- **ASEGURE EL EQUIPO PARA EL SERVICIO**
 - **BLOQUEE LOS RIESGOS POTENCIALES DE ENERGÍA:** piezas giratorias, componentes levantados, presión hidráulica.
 - **APAGUE EL MOTOR Y EL PTO**, coloque el freno de mano, descienda el implemento, espere a que se detengan todas las partes móviles y quite la llave antes de bajarse del tractor.
 - **COLOQUE** el implemento sobre el suelo o trabe de manera segura los equipos elevados. Utilice bloques grandes sobre suelo blando o húmedo.
 - **CIERRE FIRMEMENTE Y TRABE** las alas del implemento levantado.
 - **TRABE LA LENGUA DEL IMPLEMENTO** con bloques grandes y el gato de remoique. NO gatee o trabaje debajo del implemento solo sostenido por el gato de remoique.
 - **EMPUJE Y JALE** la palanca del Cilindro Hidráulico Remoto para liberar la presión hidráulica.
 - **DESCONECTE** las mangueras hidráulicas de implemento del tractor.
 - **DESCONECTE** la línea de conducción del **IMPLEMENTO** del **EJE DE PTO** del tractor
 - **USE GAFAS DE SEGURIDAD (con protecciones laterales marcadas para cumplir con ANSI Z87)** y **GUANTES PROTECTORES** y siga todos los **PROCEDIMIENTOS DE SEGURIDAD** al realizar tareas de servicio, reparación y mantenimiento sobre el implemento:
 - Siempre **USE GUANTES** protectores al manipular las hojas, cuchillas, bordes filosos o un componente desgastado con bordes filosos.
 - Siempre **USE GUAANTES Y GAFAS DE SEGURIDAD (con protecciones laterales marcadas para cumplir con ANSI Z87)** al reparar componentes en caliente
 - **EVITE EL CONTACTO** con tanques de aceite hidráulico, bombas, motores, válvulas y superficies de conexión de mangueras calientes.
 - **SUJETE FIRMEMENTE** o **TRABE EN POSICIÓN ELEVADA** todos los implementos, bastidores y componentes elevados antes de trabajar sobre los equipos que se encuentran debajo.
 - **DETENGA** el movimiento de todos los implementos y **APAGUE EL MOTOR DEL TRACTOR** antes de realizar ninguna tarea.
 - **USE** una escalera o gradas elevadas para alcanzar áreas altas del equipo a las que no se pueda acceder desde la tierra
 - **ASIGA** las instrucciones del fabricante sobre cómo manipular los lubricantes, solventes, limpiadores y otros agentes químicos
 - **SEGÚRESE** de estar bien apoyado sobre superficies sólidas planas al subirse al implemento para realizar tareas. NO cambie ninguna calibración hidráulica de fábrica para evitar fallas de los componentes o equipos
 - **NO** modifique o altere el implemento, las funciones o componentes.
 - **NO SUELDE** o repare los componentes de la cortadora. Esto puede causar vibraciones y fallas de los componentes que se desprendan de la cortadora. *PN HM01 SP str*

SEGURIDAD

RIESGOS EN TRANSPORTE

				
Coloque las trabas de transporte	Use la cadena de remolque de seguridad – Tractor a	Peligro de velocidad excesiva por pérdida de control	Peligro de detención por pérdida de control	Use señales de SMV (vehículo de movimiento lento) y balizas

PARA EVITAR LESIONES GRAVES O LA MUERTE AL REMOLCAR O TRANSPORTAR EQUIPOS:



- **MANTENGA LA VELOCIDAD POR DEBAJO DE 20 millas por hora** para mantener el control del equipo, en las curvas y en condiciones de remolque desfavorables.
- **NO REMOLQUE** camiones u otros vehículos
- **USE** un tractor de tamaño adecuado en función del equipo de remolque.
- **SIGA** todas las reglamentaciones de tránsito locales.
- **REQUISITOS DEL TRACTOR PARA REMOLCAR O TRANSPORTAR IMPLEMENTOS:**
- **SOLO TRANSPORTE** en el tractor con el mecanismo **ROPS** (antivuelco) en posición elevada.
- **USE** un tractor de tamaño adecuado y equipado, que supere el peso del implemento en al menos un 20%.
- **MANTENGA EL 20% del peso del tractor** en las ruedas frontales para mantener la dirección en forma segura.

INSPECCIÓN DEL TRACTOR:

- **VERIFIQUE** la dirección y los frenos para asegurarse el correcto funcionamiento y las condiciones adecuadas.
- **VERIFIQUE LLEVAR EL AVISO DE SMV**, los reflectores y las luces de advertencia para la adecuada operación y visibilidad detrás de la unidad.
- **VERIFIQUE** que no haya impedimentos a la visión mientras conduce, en el tractor, la cabina o el implemento, sentado en el asiento del tractor.
- **AJUSTE** su posición de conducción, los espejos y el transporte del implemento para tener una visión clara para condiciones de conducción y tránsito.

PREPARE EL IMPLEMENTO PARA EL TRANSPORTE O EL REMOLQUE:

- **COLOQUE LAS TRABAS PARA TRANSPORTE Y LAS CADENAS DE SEGURIDAD:**
- **ELEVE LA CORTADORA e INSTALE** topes o pasadores de transporte cilíndricos en el eje central
- **ELEVE LAS ALAS e INSTALE** TRABAS DE TRANSPORTE o pasadores.
- **AJUSTE LA CADENA DE SEGURIDAD** del implemento al tractor.
- **QUITTE** todo material cortado que se acumule en la plataforma de la cortadora.
- **CORTADORA AL REMOLQUE-INSTALE** TRABAS DE TRANSPORTE Y CADENA DE SEGURIDAD:
- **INSTALE** los paradores o pernos de transporte en el cilindro de eje central.
- **AJUSTE LA CADENA DE SEGURIDAD** del implemento al tractor.

DETERMINAR LAS CARACTERÍSTICAS DE DETENCIÓN DEL TRACTOR Y EL IMPLEMENTO PARA EL TRANSPORTE O REMOLQUE:

- **PRUEBAS DE FRENADO:**
- **FRENE** a velocidades en aumento.
- **DETERMINE** la velocidad de transporte máxima segura que no supere las 20 millas por hora
- **OBSERVE** las distancias de **DETECCIÓN** con el aumento de velocidad.
- **DETERMINE LA VELOCIDAD DE GIRO MÁXIMA ANTES DE OPERAR EN CARRETERAS O TERRENO IRREGULAR:**
- **PONGA A PRUEBA** el equipo aumentando lentamente la velocidad en las curvas para determinar si se puede operar a mayor velocidad.
- **USE MENORES** velocidades de giro en las curvas pronunciadas para evitar el vuelco.

AL REMOLCAR O TRANSPORTAR EL EQUIPO:

- **SIEMPRE USE EL CINTURÓN DE SEGURIDAD** al operar o transportar la cortadora.
- **USE** bajas velocidades para evitar el vuelco con las alas elevadas.
- **USE** bajas velocidades y dirección gradual en las curvas, colinas, o en superficies irregulares o poco uniformes, y en carreteras mojadas
- **ENCIENDA LAS BALIZAS DE ADVERTENCIA** del tractor.
- **TENGA EN CUENTA** el espacio necesario para el vuelco del implemento en las curvas.
- **MANTENGA** las alas elevadas a 3 metros (10 pies) o una mayor distancia de todos los cables de alimentación y obstrucciones elevadas. *PN TH01 SP*

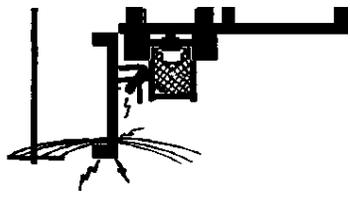
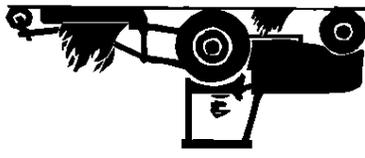
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Sección de Seguridad 1-13

SEGURIDAD

SEGURIDAD

RIESGOS ELÉCTRICOS Y DE FUEGO

 <p>Contacto de ala con cables eléctricos elevados</p>	 <p>Riesgo de choque y explosión</p>	 <p>No opere cerca de fuego. Mantenga limpia la plataforma de la cortadora</p>
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▲ PELIGRO PARA EVITAR LESIONES GRAVES O LA MUERTE POR CONTACTO ELÉCTRICO AL TRABAJAR CERCA DE CABLES ELÉCTRICOS, LÍNEAS DE GAS Y DE SERVICIOS:

- **INSPECCIONE** el área de corte para que no interfiera con cables de alimentación eléctricos subterráneos, obstrucciones, líneas de gas, cables y servicios, estructuras municipales o de otro tipo.
- **MANTENGA** todas las alas elevadas a 3 metros (10 pies) o una mayor distancia de todos los cables de alimentación y obstrucciones elevadas..
- **NO** ponga en contacto la cortadora con ninguna estructura u obstrucción de servicios o municipales.
- **LLAME** AL 811 y al 1-800-258-0808 para identificar cables de servicios subterráneos.
- **PAUTAS DE PREVENCIÓN DE INCENDIOS** durante la operación, reparación y servicio de la cortadora y el tractor, a fin de reducir el riesgo de incendio del equipo y de la vegetación:
 - El tractor debe estar **EQUIPADO CON MATAFUEGOS**
 - **NO OPERE** la cortadora sobre un tractor equipado con escape debajo del bastidor
 - **NO FUME** ni acerque fuego directo a la cortadora o el tractor
 - **NO CONDUZCA** sobre residuos encendidos o en áreas recientemente quemadas
 - **EVITE LA FORMACIÓN DE CHISPAS** al no permitir que la hoja de la cortadora entre en contacto con objetos sólidos como metal o roca.
 - **AJUSTE LOS EMBRAGUES DESLIZANTES** para evitar el deslizamiento excesivo y el calentamiento de la placa del embrague.
 - **LIMPIE** todo resto de hierba o residuo acumulado alrededor de las líneas de conducción de la cortadora, los embragues deslizantes y cajas de cambios.
 - **APAGUE EL MOTOR** al cargar combustible. *PN EF01 SP str*

SEGURIDAD

RIESGO DE FILTRACION DE ACEITE HIDRÁULICO DE ALTA PRESIÓN

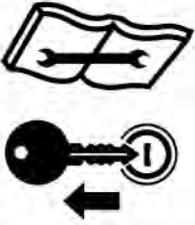
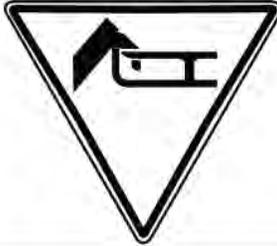
 <p>Penetración de aceite de alta presión en la piel</p>	 <p>Erosión de la piel por el aceite de alta presión</p>	 <p>Usar cartón para detectar filtraciones de aceite</p>
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▲ PELIGRO PARA EVITAR LESIONES GRAVES O LA MUERTE POR PENETRACION DE FILTRACIONES DE ACEITE HIDRÁULICO DE ALTA PRESIÓN:

- **NO OPERE** el equipo con filtraciones de aceite o combustible
 - **MANTENGA** todas las mangueras hidráulicas, líneas y conexiones en **BUEN ESTADO** y **AJUSTADAS** antes de aplicar presión al sistema.
 - **LIBERE LA PRESIÓN HIDRÁULICA** antes de desconectar las líneas o trabajar en el sistema.
 - **QUITTE** y reemplace la manguera si sospecha que tiene filtraciones. Solicite al distribuidor que verifique si hay filtraciones.
- LAS FILTRACIONES DE LÍQUIDO DE ALTA PRESIÓN PUEDEN NO SER VISIBLES.**
- AL VERIFICAR FILTRACIONES HIDRÁULICAS Y TRABAJAR CERCA DE LOS SISTEMAS HIDRÁULICOS:**
- **SIEMPRE USE** gafas de seguridad y guantes impermeables.
 - **USE** papel o cartón para verificar si hay filtraciones.
 - **NO USE** las manos o partes del cuerpo para detectar filtraciones.
 - **MANTENGA** las manos y el cuerpo **LEJOS** de los orificios de clavijas y boquillas de eyección de fluido hidráulico. El fluido hidráulico puede causar gangrena si no es extirpado quirúrgicamente de inmediato por un médico especializado en este tipo de lesiones. *PN HP01 SP str*

SEGURIDAD

RIESGO DEL CONTACTO A LAS CUCHILLAS DE CORTADORA

		
Detenga el tractor. Quite la llave. Lea el Manual	No ponga el pie debajo de la cortadora	No ponga los dedos debajo de la cortadora

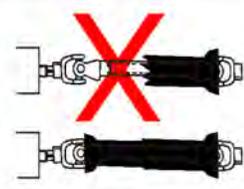
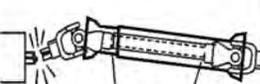
▲ PELIGRO MANTÉNGASE LEJOS DE LAS CUCHILLAS GIRATORIAS PARA EVITAR LESIONES GRAVES O LA MUERTE POR CONTACTO CON LA CUCHILLA:

- **MANTÉNGASE LEJOS Y NO ACERQUE LAS MANOS, LOS PIES Y EL CUERPO** a las cuchillas giratorias, líneas de conducción y partes hasta que todos los elementos móviles se hayan detenido.
- **NO** ponga las manos o los pies debajo de las plataformas de la cortadora.
- **DETENGA las CUCHILLAS** giratorias antes de elevar la plataforma de la cortadora o las alas.
- **DETENGA la cortadora, EXAMÍNELA Y PRESTE ATENCIÓN A LOS SONIDOS** antes de acercarse a la cortadora para asegurarse de que se haya detenido todo el movimiento giratorio.
- Si se produce un bloqueo de material en las áreas de entrada y descarga de la cortadora, **APAGUE EL MOTOR DEL TRACTOR**, desenganche la toma de fuerza y espere a que todo movimiento de rotación se detenga. Coloque el tractor en posición de estacionamiento, ponga el freno de estacionamiento y retire la llave antes de abandonar el asiento del operador. Deje la obstrucción antes de proceder con la siega. Asegúrese de mantener los pies y las manos alejadas de las cuchillas de la cortadora. Si se eleva las alas del cortacésped o segadoras para acceder a la obstrucción, enganche las trabas de cierre y bloquee con seguridad la cortadora antes de colocar cualquier parte del cuerpo por debajo de la segadora.

PN MB01 SP str

SEGURIDAD

RIESGO DE ENREDO POR EL PTO

<p>Peligro de enredo No se acerque o toque ningún eje de transmisión de PTO giratorio</p>	
<p>Asegúrese de que el eje de PTO esté firmemente sujeto. No use un adaptador de PTO</p>	<p>PTO (Barra Giratoria)</p> 
<p>No opere la máquina si las cubiertas de PTO están dañadas o faltantes</p>	
<p>Asegúrese de que los ejes de PTO sean del largo adecuado</p>	

⚠ PELIGRO MANTÉNGASE ALEJADO DE LAS LÍNEAS DE CONDUCCIÓN Y OTROS ELEMENTOS GIRATORIOS PARA EVITAR LESIONES GRAVES O LA MUERTE:

MANTÉNGASE LEJOS y NO ACERQUE las manos, los pies y el cuerpo a las cuchillas giratorias, líneas de conducción y partes hasta que todos los elementos móviles se hayan detenido.
DETENGA la cortadora, **EXAMÍNELA Y PRESTE ATENCIÓN A LOS SONIDOS** antes de acercarse a la cortadora para asegurarse de que se haya detenido todo el movimiento giratorio.
LOS ELEMENTOS GIRATORIOS SIGUEN ROTANDO una vez apagada la PTO.

PROTECCIÓN DE LA PTO:

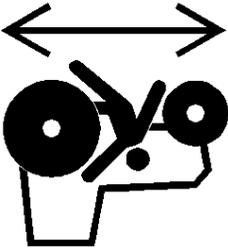
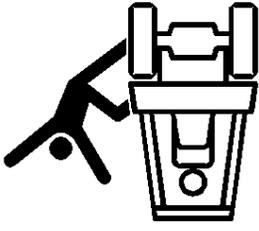
PARA EVITAR LESIONES GRAVES O LA MUERTE POR ENREDO AL OPERAR EL IMPLEMENTO:
MANTENGA instalados los protectores, las cubiertas integrales de las líneas de conducción y las cubiertas de entrada **NO OPERE** la cortadora si los protectores o cubiertas no están bien colocados o faltan.
REEMPLACE O REPÁRELOS si faltan, están dañados o rotos
SIEMPRE REEMPLACE LOS PROTECTORES que se han quitado para tareas de reparación o mantenimiento.
PARA EVITAR que la línea de conducción se rompa durante las operaciones:

VERIFIQUE que la línea de conducción tenga el largo adecuado entre el eje de PTO y el eje de la caja de cambios del implemento.
 Las líneas de conducción demasiado cortas se pueden soltar o romper.
 Las líneas de conducción demasiado largas pueden tocar el suelo.
 Un ensamble telescópico de la línea de conducción que toque el suelo no se deslizará y se solidificará.
 Si la línea de conducción toca el suelo, puede atravesar los cojinetes de soporte y romper el eje de PTO.
EVITE hacer curvas pronunciadas o elevar la cortadora a alturas que puedan hacer caer la línea de conducción.
 Lubrique los componentes telescópicos del eje de transmisión en forma semanal.
COMUNIQUESE CON EL DISTRIBUIDOR si la línea de conducción del implemento no coincide con el eje de PTO del tractor:

NO UTILICE UN ADAPTADOR DE PTO.

El uso de un adaptador de PTO puede causar vibración excesiva, caída de objetos, fallas de las cuchillas y el implemento como consecuencia de la duplicación de la velocidad operativa. El aumento de la longitud de trabajo puede exponer áreas desprotegidas de la línea de conducción. *PN PE01 SPSR*

RIESGO DE ATROPELLO

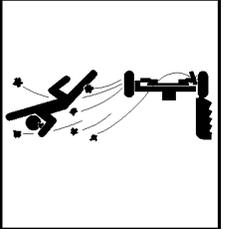
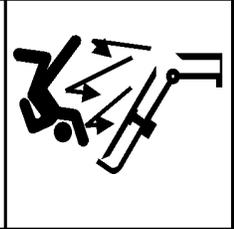
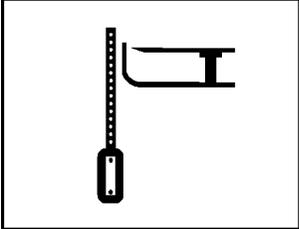
 <p>Riesgo de atropello del operador</p>	 <p>Riesgo de atropello por caída del operador</p>	 <p>Riesgo de atropello por caída del operador</p>
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▲ PELIGRO DEL EQUIPO: PARA EVITAR LESIONES GRAVES O LA MUERTE POR CAIDA DEL TRACTOR O ATROPELLO

- USE tractores equipados con SISTEMA ANTIVUELCO (ROPS) y CINTURONES DE SEGURIDAD para las operaciones de corte.
 - MANTENGA EL SISTEMA ROPS trabado en posición vertical.
 - SÓLO ENCIENDA el tractor sentado en el asiento del tractor.
 - SIEMPRE ABRÓCHESE el cinturón de seguridad al operar el tractor y los equipos.
 - SÓLO OPERE el tractor y el equipo sentado en el asiento del tractor..
 - NUNCA LLEVE A OTRAS PERSONAS en el tractor o implemento.
- AL SUBIR Y BAJAR DEL TRACTOR:**
- SÓLO suba o baje del tractor cuando éste y sus partes móviles estén detenidos.
 - APAGUE EL MOTOR Y LA TDF, coloque el freno de mano, descienda del implemento, espere a que se detengan todas las partes móviles y quite la llave antes de bajarse del tractor. *PN R001 SP str*

SEGURIDAD

RIESGO DE OBJETOS LANZADOS Continuado

 <p>Peligro de objetos lanzados por la cortadora</p>	 <p>Objetos lanzados desde cortadora elevada</p>	 <p>Objetos lanzados desde cortadora elevada</p>	 <p>Inspeccione el área. Quite los objetos extraños</p>	 <p>No permita que las cuchillas entren en contacto con objetos sólidos</p>
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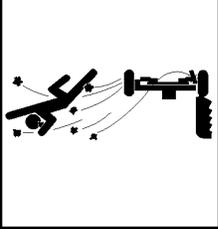
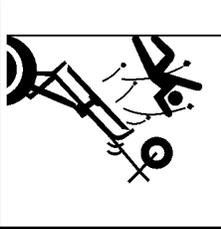
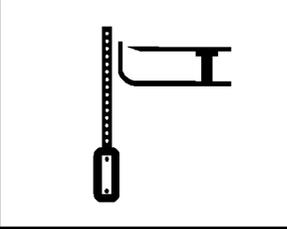
OPERACIÓN DE LA CORTADORA:

- **NO** exceda la capacidad de corte nominal de la cortadora, ni corte elementos que no sean vegetación.
- **USE CABINAS DE TRACTOR CERRADAS** cuando haya dos o más cortadoras operando en un mismo sector.
- No opere la cortadora en áreas susceptibles al ataque de abejas o insectos, salvo que **USE PRENDAS PROTECTORAS** o una cabina de tractor cerrada.
- **AJUSTE LA ALTURA para EVITAR EL CONTACTO DE LAS CUCHILLAS** con objetos sólidos, como alambres, piedras, postes, cordones, guardarralles y obstrucciones fijas.
- **NO** opere la cortadora con la(s) ala(s) elevada(s) o en posición de transporte.
- **DETENGA LA CORTADORA** de inmediato si las cuchillas entran en contacto con objetos pesados, estructuras fijas, guardarralles de metal y estructuras de cemento. Apague el motor del tractor, desenganche la toma de fuerza y esperar a que todo movimiento de rotación se detenga. Coloque el tractor en posición de estacionamiento, ponga el freno de estacionamiento y retire la llave antes de abandonar el asiento del operador.
- **1. LAS CUCHILLAS PUEDEN FALAR** con el impacto y los objetos pueden ser arrojados a gran velocidad.
- **2. INSPECCIONE y REEMPLACE** las cuchillas dañadas.
- **3. VERIFIQUE** el equilibrio del porta cuchillas y **REEMPLÁCELO** si está dañado..
- **NO** opere la cortadora en agua **PARA EVITAR** una posible **FALLA DE LAS CUCHILLAS**.
- **EVITE OPERAR LA CORTADORA** en reversa:
- **1. DETENGA EL PTO** y retroceda la cortadora.
- **2. DESCienda** la cortadora, encienda el **PTO** y corte hacia adelante.
- **DETENGA EL PTO** y las **CUCHILLAS** al elevar el implemento o la cortadora a posición de transporte.
- **NO ENCIENDA EL PTO** con la cortadora en posición de transporte.
- **DETENGA** la cortadora cuando se produzca **VIBRACIÓN EXCESIVA**:
- **1. DETENGA EL PTO Y EL MOTOR** del tractor.
- **2. INSPECCIONE** la cortadora para detectar la fuente de la vibración
- **3. REEMPLACE** toda parte dañada o las **CUCHILLAS** dobladas o dañadas. **PN T001-X SP str**

SEGURIDAD

SEGURIDAD

RIESGO DE OBJETOS LANZADOS

	Peligro de objetos lanzados por la cortadora
	Objetos lanzados desde cortadora elevada
	Objetos lanzados desde cortadora elevada
	Inspeccione el área. Quite los objetos extraños
	No permita que las cuchillas entren en contacto con objetos sólidos

▲ PELIGRO LAS CORTADORAS GIRATORIAS PUEDEN ARROJAR OBJETOS A 90 METROS (300 PIES) O MÁS EN CONDICIONES ADVERSAS.

PARA EVITAR LESIONES GRAVES O LA MUERTE AL OPERADOR O TRANSEÚNTES COMO CONSECUENCIA DE OBJETOS

- **MANTENGA** a los transeúntes a 100 metros de distancia (300 pies)
- **NO OPERE LA CORTADORA SI HAY PERSONAS A MENOS DE 100 METROS(300 PIES), SALVO QUE:**
- Todos los **PROTECTORES CONTRA OBJETOS ARROJADOS** estén colocados y en buen funcionamiento al operar la cortadora, entre los que se incluyen los deflectores frontales y traseros, los protectores de cadena, los protectores de acero, las bandas, los faldones laterales y las zapatas antideslizantes.
- Se ha inspeccionado el **ÁREA DE CORTE** y se han quitado todos los materiales extraños y residuos.
- **LOS TRANSEÚNTES** estén en el interior de un vehículo cerrado.

ANTES DE OPERAR LA CORTADORA, INSPECCIONE EL ÁREA PARA DETECTAR LA POSIBILIDAD DE OBJETOS QUE PUEDAN SER LANZADOS:

- **QUITE** residuos, piedras, cables, alambres, objetos metálicos y cualquier otro objetos extraños del área. Los alambres, cables, sogas, cadenas y objetos metálicos pueden ser arrojados o salir desprendidos de la plataforma a gran velocidad.
- **No permita** que las cuchillas de la cortadora entren en contacto con cadáveres de animales en descomposición o otros materiales peligrosos. Las cuchillas de la cortadora podrían arrojar materiales peligrosos y biológicos de la cortadora, exponiendo al operador y personas presentes a riesgos de salud. Siempre use el equipo de protección personal (PPE) aprobado por OSHA cuando limpie o retire material potencialmente peligroso de equipo.
- **1. MARQUE** los objetos que no se puedan quitar.
- **2. EVITE** estos objetos cuando use la cortadora.

INSPECCION DEL ÁREA PARA DETECTAR HIERBA ALTA Y MALEZAS:

- **INSPECCIONE Y quite** cualquier residuo oculto de gran tamaño.
 - **PASE LA CORTADORA** a una altura intermedia
 - **INSPECCIONE** y quite el residuo restante
 - **PASE LA CORTADORA** a la altura final
- PROTECCIÓN CONTRA OBJETOS ARROJADOS DE LA CORTADORA:**
- **MANTENGA** todos los protectores contra objetos arrojados en su lugar y en buen funcionamiento al operar la cortadora, entre los que se incluyen los deflectores frontales y traseros, los protectores de cadena, los protectores de acero, las bandas, los faldones laterales y las zapatas antideslizantes.
 - **NO OPERE LA CORTADORA** si falta algún protector contra objetos arrojados, o si éstos están dañados.
 - **DERECHO DE PASO (autopista) CON LA CORTADORA**
 - **UTILICE PROTECTORES DE CADENA DOBLES** para autopistas, derecho de paso, parques o cortes en cinturón verde donde pueda haber viviendas, vehículos o ganado dentro de los 100 metros (300 pies) de la cortadora.
 - Ninguna protección ofrece una eficacia del 100% en la prevención de objetos arrojados. Para reducir la posibilidad de que se produzcan lesiones:

- **1. MANTENGA LOS PROTECTORES DE LA CORTADORA**, los faldones laterales, las zapatas antideslizantes y las cuchillas en buen estado de funcionamiento,
- **2. ELEVE LA ALTURA DE CORTE a 15 CM (6 PULGADAS)** como mínimo,
- **3. INSPECCIONE EL ÁREA** con cuidado antes de pasar la cortadora para ELIMINAR el posible riesgo de **OBJETOS ARROJADOS,**
- **4. NUNCA PERMITA QUE LAS CUCHILLAS EN MOVIMIENTO ENTREN EN CONTACTO CON OBJETOS SÓLIDOS** como alam-

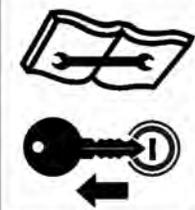
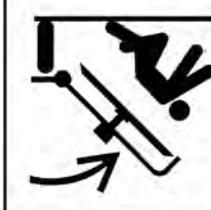
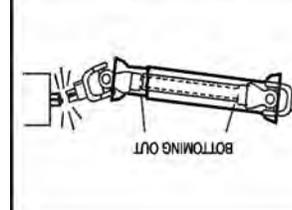
pres, piedras, postes, cordones, guardarraíles o el suelo. **PN T001 SP str**

FLX-1510 08/22

Sección de Seguridad 1-6

SEGURIDAD

SEGURIDAD DE CONECTAR O DESCONECTAR IMPLEMENTO

	Detenga el tractor Quite la llave Lea el Manual
	Lesión opresiva entre tractor e implemento
	Lesión aplastante por caída de ala
	Asegúrese de que el eje de TDF esté firmemente ajustado al tractor
	Asegúrese de que el eje de TDF sea del largo adecuado

▲ PELIGRO IMPLEMENTO: PARA EVITAR LESIONES GRAVES O LA MUERTE POR APLASTAMIENTO POR EL TRACTOR O

- **AL DAR MARCHA ATRAS** el tractor hacia el enganche del implemento:
- **NO PERMITA QUE HAYA PERSONAS** entre el tractor y el implemento
- **ANTES de conectar y desconectar el enganche del implemento:**
- **APAGUE EL MOTOR DEL TRACTOR**, coloque la palanca en "estacionar", ponga el freno de mano y saque la llave.

- **Al conectar y desconectar el enganche del implemento:**
- **NO** se agache o camine debajo de la cortadora o la ala en posición elevada.
- **USE** el **GATO** con lengüeta para elevar lengüetas de implementos pesados a fin de controlar el movimiento de la lengüeta del implemento.
- **EVITE** recargar el gato para evitar una falla de éste y una lesión al operador.

- **AL CONECTAR LA LÍNEA DE CONDUCCIÓN DEL IMPLEMENTO:**
- **PARA EVITAR que la línea de conducción del implemento se suelte durante la operación:**
- **LUBRIFIQUE** el anillo de cierre del resorte del yugo para asegurarse de que se deslice libremente sobre el eje de **PTO**
- **ASEGURE** las bolas de cierre del yugo en la muesca del eje de **PTO**.
- **PRESIONE Y JALE DE LA LÍNEA DE CONDUCCIÓN del EJE DE TOMA DE FUERZA(PTO)** del tractor y del implemento para asegurarse de que estén **FIRMEMENTE SUJETADOS**

- **VERIFIQUE** que la línea de conducción tenga el largo adecuado entre el eje de **PTO** y el eje de la caja de cambios del implemento.
- Las líneas de conducción demasiado cortas se pueden soltar o romper.
- Las líneas de conducción demasiado largas pueden tocar el suelo.
- Un ensamble telescópico de la línea de conducción que toque el suelo no se deslizará y se solidificará.
- Si la línea de conducción toca el suelo, puede atravesar los cojinetes de soporte y romper el eje de **PTO**.

- **COMUNIQUESE CON EL DISTRIBUIDOR** si la línea de conducción del implemento no coincide con el eje de **TDF** del tractor:
- **NO UTILICE UN ADAPTADOR DE PTO.**
- El uso de un adaptador de **PTO** puede ocasionar:
- Vibración excesiva, caída de objetos, fallas de la hoja y el implemento como consecuencia de la duplicación de la velocidad operativa.
- Mayor extensión de trabajo, lo que deja expuestas áreas desprotegidas de la línea de conducción e implica el riesgo de enredo con otros objetos.

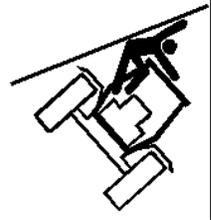
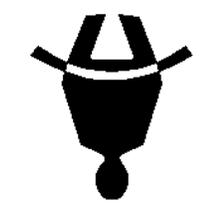
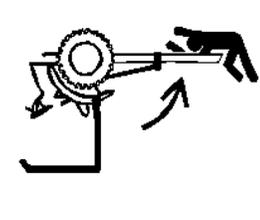
- **ANTES DE QUITAR LAS TRABAS DE RETENCIÓN DE LAS ALAS:**
- **CONECTE** las mangueras al tractor
- **LLENE** los cilindros de las alas con lubricante
- **MANTENGA** a los transeúntes lejos del área antes de operar las alas
- **DESCIENDA LAS ALAS** de manera lenta y cuidadosa.

NO conecte la cortadora a un tractor con la TDF directamente conectada a la transmisión del tractor. *PN CD01 SP str*

SEGURIDAD

SEGURIDAD

RIESGO DE APLASTAMIENTO

	Lesión aplastante por vuelco
	Trabe el sistema ROPS (antivuelco) en la posición vertical
	Siempre utilice cinturón de seguridad
	Lesión aplastante por caída de implemento
	Lesión aplastante por caída de ala

▲ PELIGRO PARA EVITAR UNA LESIÓN GRAVE O LA MUERTE POR CAÍDA DEL TRACTOR, O EL APLASTAMIENTO, VUELCO Y APLASTAMIENTO DE UN EQUIPO POR LA CAÍDA DE UNA ALA O UN IMPLEMENTO:

- USE tractores equipados con **SISTEMA ANTIVUELCO (ROPS) y CINTURONES DE SEGURIDAD** para las operaciones de corte
- **MANTENGA EL SISTEMA ROPS** trabado en posición vertical.
- **SIEMPRE ABROCHESE** el cinturón de seguridad al operar el tractor y los equipos.
- **SOLO OPERE** el tractor y el equipo sentado en el asiento del tractor.
- **EN CASO DE EMERGENCIA**, apague el motor del tractor, desenganche la toma de fuerza y espere a que todo movimiento de rotación se detenga. Coloque el tractor en posición de estacionamiento, ponga el freno de estacionamiento y retire la llave antes de abandonar el asiento del operador.

AL ELEVAR O DESCENDER EL IMPLEMENTO:
 • Eleve o descienda las alas **SOLO CUANDO ESTÉ SENTADO** en el asiento del tractor, con el cinturón de seguridad ajustado.
 • Eleve o descienda las alas **SOLO** cuando la lengüeta del implemento esté firmemente ajustada a la barra de tracción del tractor **PARA EVITAR** el vuelco del implemento.
 • **MANTENGA A LOS TRANSEUNTES FUERA** del área de operación **PARA EVITAR** accidentes por aplastamiento.
 • **MANTENGA** suficiente espacio libre alrededor de los implementos y alas **PARA EVITAR** el contacto con edificios o cables elevados.

Los equipos **ELEVADOS** se pueden caer por fallas mecánicas o hidráulicas o por un movimiento inesperado de la palanca de control.

▲ ADVERTENCIA PARA EVITAR LA CAÍDA DEL EQUIPO al trabajar cerca o debajo de los componentes o implementos elevados por un enganche de tractor de 3 puntos:

- **SUJETE CON FIRMEZA** o bloquee en posición vertical todos los equipos, alas y componentes elevados.
- **BLOQUEE EN POSICIÓN VERTICAL** y sujete con firmeza el equipo antes de poner las manos, los pies o el cuerpo debajo de los equipos o componentes elevados.
- **MANTENGA A LOS TRANSEUNTES LEJOS** de las alas dobladas hasta que estén bloqueadas o trabadas en posición vertical.

AL ESTACIONAR el implemento y el tractor:
 • **DESCIENDA** el implemento, **TRABE** o **BLOQUEE** las partes elevadas antes de alejarse del equipo.
 • **NUNCA** deje un implemento sin atención en posición elevada.

▲ ADVERTENCIA PARA EVITAR LA CAÍDA O EL APLASTAMIENTO DE NIÑOS POR EL EQUIPO:

• **NUNCA DEJE** que los niños jueguen sobre el tractor o los implementos, ni en sus alrededores.

AL DESENGANCHAR EL IMPLEMENTO:
 • **DESCIENDA** el implemento, **TRABE** o **BLOQUEE** las partes elevadas antes de alejarse del equipo.
 • **USE** el gato de la lengüeta para controlar el movimiento de la lengüeta del implemento.
 • **USE** el **GATO** de la lengüeta para elevar lengüetas de implementos pesados.
 • **EVITE** recargar el gato para evitar fallar al gato y una lesión al operador.

ANTES DE QUITAR LAS TRABAS DE RETENCIÓN DE LAS ALAS:
 • **CONECTE** las mangueras al tractor
 • **LLENE** los cilindros de las alas con lubricante
 • **MANTENGA** a los transeuntes lejos del área de funcionamiento de las alas
 • **DESCIENDA** LAS ALAS de manera lenta y cuidadosa. *PN CH01 SP str*

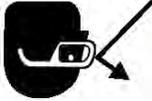
FLX-1510 08/22

Sección de Seguridad 1-4

SEGURIDAD

SEGURIDAD

SEGURIDAD DEL OPERADOR

	Lea con atención el Manual del Operador
	Siempre use gafas de seguridad
	Use casco y calzado protector
	Nunca consuma drogas o alcohol mientras opera el equipo
	Utilice chaleco de seguridad al operar en o cercas de carreteras

PARA EVITAR LESIONES GRAVES O LA MUERTE, SIGA LAS SIGUIENTES INSTRUCCIONES:



- **LEA, COMPRENDA Y SIGA** las instrucciones del Manual del Operador, al igual que las Advertencias y Mensajes de Seguridad.
- **USE GAFAS DE SEGURIDAD**, calzado protector, casco, protección auditiva y guantes al operar o reparar el equipo.
- **USE** un aparato de respiración apropiado al operar en condiciones polvorientas a fin de evitar contraer enfermedades respiratorias.
- **NO USE** prendas sueltas o joyas que se puedan enredar con las partes giratorias y causar una lesión.
- **NO CONSUMA DROGAS** o **ALCOHOL** antes o durante la operación del equipo.
- **NO PERMITA** que nadie opere el equipo bajo los efectos negativos de las drogas o el alcohol.
- **CONSULTE** a un médico para conocer los efectos desfavorables de la medicación sobre los sentidos.
- **MANTÉNGASE ALERTA**, la operación prolongada puede causar fatiga. **HAGA UNA PAUSA Y DESCANSE**.

SEGURIDAD DE OPERACIÓN GENERAL

CONDICIONES DE VISIBILIDAD AL USAR LA CORTADORA:

- **OPERE LA CORTADORA CON LUZ SOLAR** o con luz que aporte una visibilidad nítida de más de 90 metros (100 yardas).
- **DEBE PODER VISUALIZAR** e identificar transeúntes, terrenos empinados, pozos, desniveles, obstrucciones elevadas, cables de alimentación, residuos y objetos extraños.
- **VELOCIDAD RESPECTO AL SUELO AL USAR LA CORTADORA:**

- El rango de **VELOCIDAD NORMAL** es de entre 2 y 5 millas por hora.
- **AJUSTE LA VELOCIDAD DE CORTE** según las condiciones del terreno y el tipo de césped, la densidad y la altura del corte.
- **REDUZCA LA VELOCIDAD DE CORTE** al acercarse a inclinaciones empinadas, pozos, desniveles, obstrucciones elevadas, cables de alimentación y para evitar residuos y objetos extraños.

INFESTACIÓN CON INSECTOS

- No opere en áreas susceptibles al ataque de abejas o insectos, salvo que **USE PRENDAS PROTECTORAS** o una cabina de tractor cerrada.

VELOCIDAD DE PTO:

- **NO EXCEDA LA VELOCIDAD DE PTO NOMINAL DEL IMPLEMENTO**

- **EVITE** superar las velocidades nominales de PTO, porque puede causar roturas en la línea de conducción o fallas de las cuchillas.

SEÑALES DE SEGURIDAD:

- **REEMPLACE** cualquier señal de seguridad faltante, dañada o ilegible. *PN OS01 SP str*

SEGURIDAD

SEGURIDAD

INSTRUCCIONES DE SEGURIDAD Y PRÁCTICAS GENERALES

El mejor operador es un operador cuidadoso. La seguridad es de importancia fundamental para el fabricante, y también debería serlo para el propietario u operador. La mayoría de los accidentes se pueden evitar prestando suma atención al equipo, al ambiente circundante, y tomando algunas precauciones. La primera sección de este manual incluye una lista de Mensajes de Seguridad que deben observarse para contribuir a la protección del operador y otras personas frente a lesiones o la muerte. Lea con atención estos Mensajes de Seguridad antes de ensamblar, operar o reparar este implemento. Este equipo sólo debe ser operado por personas que hayan leído el manual, responsables y calificadas, que sepan cómo hacerlo de manera responsable.

El Símbolo de Alerta de Seguridad se utiliza en combinación con una Señal Verbal, tal como la que se muestra a continuación, en todo este manual y en los autoadhesivos adheridos a los equipos. El Símbolo de Alerta de Seguridad significa:



“¡ATENCIÓN! MANTÉNGASE ALERTA! SU SEGURIDAD ESTÁ EN JUEGO!” El Símbolo y la Señal Verbal tienen el objetivo de advertir al propietario/operador sobre un riesgo inminente y el grado de lesión que se puede producir al operar este equipo.

Adopte todas las medidas habituales para trabajar en forma segura y, sobre todo, recuerde que la seguridad depende de USTED. Sólo USTED puede impedir una lesión grave o la muerte a causa de prácticas no seguras.

▲ PELIGRO Indica una situación peligrosa inminente que, de no ser evitada, OCASIONARÁ la MUERTE O UNA LESIÓN MUY GRAVE.

▲ ADVERTENCIA Indica una situación peligrosa inminente que, de no ser evitada, PODRÍA OCASIONAR la MUERTE O UNA LESIÓN MUY GRAVE.

▲ PRECAUCIÓN Indica una situación peligrosa inminente que, de no ser evitada, PODRÍA OCASIONAR UNA LESIÓN MENOR.

Importante Identifica instrucciones o procedimientos específicos que, de no observarse estrictamente, podrían ocasionar daños o la destrucción de la maquinaria, los accesorios o el entorno.

NOTA: Identifica aspectos de particular interés para lograr una operación o reparación más eficiente y conveniente.

LEA CON ATENCIÓN Y RESPETE los siguientes Mensajes de Seguridad. Si no se siguen cuidadosamente las advertencias e instrucciones indicadas en este Manual y en los Mensajes de Seguridad del implemento, se pueden producir lesiones graves o la muerte. Siempre siga las instrucciones de este manual y use el sentido común para evitar situaciones peligrosas. Los pictogramas se utilizan a lo largo de este manual para ayudar a que su atención visual se centre en los problemas de seguridad.



PELIGRO DE SEGURIDAD	PROCEDIMIENTO DE EVITACIÓN	PREVENCIÓN DE SEGURIDAD
<p>El pictograma rodeado por un triángulo indica un peligro de seguridad que debe evitarse.</p> <p>EJEMPLO:</p> <p>Equipo en contacto con líneas eléctricas aéreas</p>	<p>El pictograma por sí mismo o dentro de una caja indica un procedimiento de evitación que se debe seguir para evitar lesiones.</p> <p>EJEMPLO:</p> <p>Apague siempre el motor y retire la llave antes de trabajar en el equipo</p>	<p>Un círculo con una barra indica una acción que está prohibida.</p> <p>EJEMPLO:</p> <p>No FUMAR</p>

NOTA: Si desea obtener una traducción de esta sección de seguridad en alguno de los siguientes idiomas, comuníquese con: Translations, a la dirección 1502 E. Walnut Street Seguin, TX 78155; Fax: (830) 372-9529; La Sección de Seguridad está disponible en español, portugués, francés, alemán, ruso. PN 6501 SPstr

SECCIÓN DE SEGURIDAD

Sección de Seguridad 1-1

INSTRUCCIONES DE OPERACIONES ANTES DE LA ENTREGA AL CLIENTE

El distribuidor deberá informar al comprador de este producto las condiciones, disposiciones y procedimientos de garantía aplicables; informar la responsabilidad del comprador de capacitar a sus operadores para la operación segura; revisar el contenido del Manual del Operador, incluido el equipo de seguridad, la operación segura y el mantenimiento; y revisar las Señales de Seguridad que se encuentran en el implemento (y en el tractor, de ser posible).

- **IMPLEMENTOS:** He explicado que los deflectores, protectores de cadena o faldones sólidos se deben mantener en buenas condiciones de reparación y se deben instalar, excepto en zonas donde personas, vehículos, ganado u otros bienes no corran peligro por objetos arrojados, y en los casos en que dichos equipos de seguridad impedirían un desempeño razonable de la cortadora en su tarea asignada.
- **LÍNEAS DE CONDUCCIÓN:** Me he asegurado de que todos los protectores de líneas de conducción, de caja de engranajes y otros están en buenas condiciones de reparación y firmemente sujetados para prevenir lesiones por enredo u objetos arrojados.
- **MÁQUINAS HIDRÁULICAS:** He explicado la necesidad de usar aceite hidráulico limpio, cambiar los filtros según las instrucciones, detener filtraciones, prevenir daños por operar con aceite demasado caliente, cuidar las mangueras, usar mangueras del tipo correcto, mantener la presión operativa especificada y prevenir el posible riesgo de que el aceite penetre en la piel.
- **IMPLEMENTOS PLEGABLES:** He explicado que no es posible proteger contra objetos arrojados cuando el cabezal está elevado del suelo y que el operador es responsable de verificar que no existan personas en las inmediaciones. He explicado que el brazo o cabezal de cortadora puede entrar en contacto con obstrucciones elevadas y dañar cables y líneas telefónicas, y posiblemente causar lesiones. He explicado que el brazo o cabezal extendido, o el brazo retraído, puede entrar en contacto con cables de alimentación y causar lesiones o la muerte por electrocución, y que el operador es responsable de evitar dichos riesgos.

SERVICIO ANTES DE LA ENTREGA VERIFIQUE Y AJUSTE O LUBRIQUE SEGÚN SEA NECESARIO

Consulte los detalles en el Manual del Operador

Inspección realizada – Garantía y procedimientos de seguridad explicados – Instalación realizada

CONEXIONES DE CORTADORA A TRACTOR

- o Longitud de barra de enganche (verificar y fijar)
- o Pivote y conexiones de bastidor en A
- o Altura de eje (ajustar)
- o Altura de corte (ajustar)
- o Verificación de pre-operación de kit de montaje
- o Alleta de cortadora (ajustar nivel con el centro)
- o Alleta de cortadora (verificar operación de elevación correcta)
- o Líneas de conducción C.V.(verificar radio de giro máximo)
- o Enganche de tracción (ajuste de altura)
- o Piezas metálicas de montaje bien ajustadas

ELEMENTOS DE SEGURIDAD

- o Protectores (operación e instalación)
- o Embrague de línea de conducción (limitador de ajuste)
- o (ajustar y poner en marcha)
- o Autoadhesivos de seguridad (colocados)
- o Manual del Operador (entregado)
- o Protector de TDF del tractor (instalado)
- o Emblema S.M.V. (instalado de ser necesario)
- o Gato con lengüeta (instalación y operación)
- o Cadena de remolque de seguridad (instalada)
- o Manual de Seguridad de Línea de Conducción ADMA (entregado)
- o Manual de Seguridad de Cortadora AEM (entregado en porta manual)
- o Se mostró el Video de Seguridad de Cortadora AEM al comprador

LUBRICACIÓN E HIDRÁULICA

- o Caja de engranajes (niveles de aceite)
- o Nivel de aceite hidráulico (tanque externo)
- o Nivel de aceite hidráulico del tractor
- o Mangueras hidráulicas (no retorcidas y ajustadas)
- o Propulsor de bomba frontal (conjunto ajustado y eje bien alineado)
- o Pernos de husillo y motor bien ajustados

CORTADORA

- o Nivel de aceite del husillo
- o Pernos de porta cuchillas bien ajustados/pasadores de retención colocados
- o Nivel y altura de corte de la cortadora ajustados
- o Cojinetes del eje de corte lubricados
- o Todas las piezas metálicas bien ajustadas
- o Presión de aire y neumáticos/tuercas de rueda (bien ajustadas)
- o Cojinetes de rueda (verificar, engrasar y hacer carga previa)

ACCESORIOS E INSTALACIÓN

- o Deflectores frontales y traseros
- o Accesorios de trituración
- o Sentido de giro de las hojas correcto
- o Vigas y brazos de eje
- o Lengüeta y barras de control (instaladas y ajustadas)
- o Todos los pernos, pasadores y tuercas (ajuste correcto)

Schulte está dispuesto a suministrar un (1) Video de Prácticas de Seguridad para Cortadoras AEM

Por favor enviar:

- Video de Seguridad para el Operador de Cortadoras AEM/FEMA – formato VHS
- Video de Seguridad para el Operador de Cortadoras AEM/FEMA – formato DVD
- Manual del Operador de la Cortadora
- Manual de Seguridad del Operador de la Cortadora AEM

Nombre del solicitante: _____ Teléfono: _____

Dirección del solicitante _____

Ciudad: _____

Estado: _____

Código postal _____

Modelo de cortadora: _____ Número de serie: _____

Fecha de compra: _____ Vendedor del distribuidor: _____

Nombre del distribuidor: _____ Dirección del distribuidor: _____

Enviar por correo a:

AEM Video Services
1502 E. Walnut Street
Seguin, TX 78155

O enviar por fax a:

(830) 372-9529

O enviar por correo electrónico a:

AEMVideo@alamo-group.com

A fin de reducir la tasa de accidentes y mejorar la operación segura de las cortadoras, Schulte se ha asociado con otros fabricantes de la industria para desarrollar el video y la guía de Prácticas de Seguridad para Cortadoras Industriales y Agrícolas AEM/FEMA.

El video explica a los operadores de tractores y cortadoras las prácticas seguras que deben adoptar cuando utilizan cortadoras industriales y agrícolas. Es importante que todos los operadores de cortadoras aprendan cómo operar sus equipos de corte y puedan reconocer los posibles peligros que pueden surgir al operar una cortadora. Este video, en conjunto con el manual del operador de la cortadora y los mensajes de advertencia que se encuentran en la cortadora, serán muy útiles para complementar este aprendizaje tan importante.

Es posible que su distribuidor autorizado de Schulte le haya mostrado este video y le haya entregado una copia en DVD cuando adquirió su cortadora. Si usted o algún operador de cortadora no vio el video, lea este Manual del Operador, y complete la Guía del Video antes de operar su cortadora nueva. Si no comprende alguna de las instrucciones del video o del manual del operador, o si tiene alguna pregunta acerca de la operación segura, comuníquese con su supervisor, con el distribuidor o con Schulte.

Si desea recibir una copia del video en VHS, envíe un mensaje de correo electrónico a AEMVideo@alamo-group.com o un fax al (830) 372-9529, o envíe por correo una copia rellena del formulario que se encuentra al dorso de esta página a AEM VHS Video 1502 E Walnut Street, Seguin, TX 78155, y solicite la versión en VHS. Indique su nombre, dirección postal, modelo de cortadora y número de serie.

Cada uno de los operadores debe recibir capacitación para cada equipo (tractor y cortadora), comprender el uso previsto, y comprender los posibles peligros antes de operar el equipo.

La información y material mecionado en la información anterior junto con el Manual de Operador puede asistir en cumplir con los requisitos de OSHA para el entrenamiento anual del Operador.

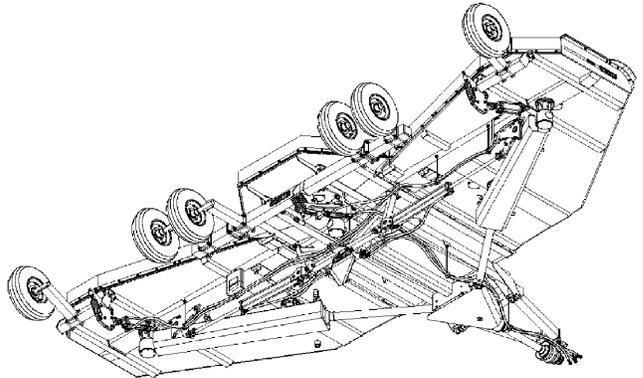
REQUISITOS DE ENTRENAMIENTO DEL OSHA

Los siguientes requisitos de entrenamiento se an toma del Título 29, código de la pieza de regulaciones federales 1928.57 (a) (6). www.osha.gov

Instrucciones del operador. A la hora de la asignación inicial y por lo menos anualmente después de eso, el empleador mandará a cada empleado quien opera un tractor agrícola o implemento en las practicas de operación segura y el mantenimiento de el equipo con el cual el empleado este, o estará implementado y de cualquier otras practicas dictados por el ambiente laboral.



Entrenamiento de Seguridad Hace la Diferencia



➤ Sea Seguro

➤ Sea Alerto

➤ Sea Vivo

➤ Sea Entrenado

antes de funcionar
el cortacésped



www.aligqr.com/svs

Video de Seguridad

Al propietario/operador/distribuidor

Este Manual del Operador es una parte esencial de la operación segura de esta máquina y se debe mantener con la unidad siempre. El implemento incluye un porta manual donde se puede guardar el manual de manera adecuada. Si el manual se extravía o se daña, puede solicitar otra copia sin cargo a un distribuidor autorizado de *Schulte* o descargarlo del sitio web de *Schulte* (www.schulte.ca).

ANTES DE COMENZAR LEA, COMPROMETA Y SIGA la información incluida en este manual, el Manual de Seguridad de la Cortadora AEM y el manual del operador del tractor para conocer cómo operar la máquina y realizar tareas de servicio correctamente. De lo contrario, podría sufrir lesiones u ocasionar lesiones a terceros. Todos los implementos con partes móviles son potencialmente peligrosos. Cada esfuerzo ha sido hecho para asegurar que la máquina esté segura, pero los operadores deben evitar entrar en prácticas peligrosas y seguir las instrucciones escritas que son proporcionadas. El fabricante ha diseñado este implemento para ser usado con todos sus equipos de seguridad correctamente sujetados para minimizar la probabilidad de accidentes.

LA SEGURIDAD PRIMERO. Lea con atención la totalidad de la sección de seguridad de este manual antes de operar el equipo. No permita que nadie opere el equipo sin haber leído y comprendido la totalidad de este manual. Comuníquese con el distribuidor si necesita explicación sobre alguna instrucción que no haya comprendido del todo.

Los cuidados que brinde a su implemento *Schulte* determinarán en gran medida su satisfacción con el desempeño y la vida útil del equipo. Lea con atención y siga las instrucciones de este manual para comprender cabalmente su nuevo implemento, su uso previsto, y sus requisitos de servicio.

Todas las referencias que se hacen en este manual a derecha, izquierda, frontal, trasero, arriba y abajo corresponden a la perspectiva en el sentido del desplazamiento hacia delante con el implemento correctamente sujeto al tractor.

La información sobre repuestos se encuentra por separado en el Manual de Partes. Las cortadoras *Schulte* utilizan componentes del sistema equilibrados y coincidentes para porta cuchillas, cuchillas, ejes de corte, hojas, ganchos para hojas, rodillos, componentes de los engranajes, y cojinetes. Estas partes se fabrican y se prueban según las especificaciones de *Schulte*. Las partes compatibles no genuinas no siempre cumplen con estas especificaciones. El uso de partes no genuinas puede perjudicar el desempeño de la cortadora, anular la garantía y presentar un riesgo para la seguridad. Use partes genuinas *Schulte* para ahorrar dinero y maximizar la seguridad.

Para referencia futura, registre el número de modelo y el número de serie de *Schulte* que ha adquirido

Distribuidor	Teléfono	Fecha de compra:	Número de Serie
			Fecha de compra:



FC-0084

SCHULTE® FLX 1510

Publicado en 08/22

Parte n°. A105-010C

MANUAL DE OPERADOR



Este Manual del Operador es una parte esencial de la operación segura de esta máquina y se debe mantener con la unidad siempre. **LEA, ENTIENDA, y SIGA** las instrucciones de Seguridad y Operación contenidas en este manual antes de operar el equipo. *C01-Cover SP_S*

Importantes instrucciones de operación y las instrucciones de seguridad se encuentran en el video Cortacésped Sobre Seguridad que se puede acceder instantáneamente en el internet en: www.algqr.com/svs



Video de Seguridad

www.algqr.com/svs



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Schulte Web Page



www.algqr.com/svs



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\$0.00