



BUILT SHARPER

An Alamo Group Company

BUCKET

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Part No. TR 477934

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 and the TRAXX RF manual before operating the equipment. C01-Cover_TRAXX

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

Safety Video



www.algqr.com/ave



FL-L-0013

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Alamo Industrial
Web Page







www.algqr.com/awe

¡ATENCIÓN!
LEA EL INSTRUCTIVO



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

⚠ 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 français: 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 vídeo    www.algqr.com/ars www.algqr.com/avs	Manuel de l'Opérateur   www.algqr.com/arf

⚠ PERIGO	⚠ GEFAHR
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.	Falls Sie nicht Englisch sprechen: Bevor Sie die Geräte in Betrieb nehmen, bitten Sie eine Englisch sprechende Person darum, Ihnen die Sicherheitsmeldung zu übersetzen, oder besuchen Sie die Website; dort finden Sie übersetzte Aufkleber und Sicherheitsmeldungen.
Manual do Operador   www.algqr.com/arp	Benutzerhandbuch   D833 www.algqr.com/arg

Safety Video



www.algqr.com/ave

Operator's & Parts Manuals



www.algqr.com/apm

Safety Video

➤ **BE SAFE!**



➤ **BE ALERT!**

www.algqr.com/ave

➤ **BE ALIVE!**

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



ALAMO
INDUSTRIAL

Safety Training Makes the Difference

In order to reduce accidents and enhance the safe operation of mowers, *Alamo Industrial*, 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 *Alamo Industrial* 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 *Alamo Industrial*.

If you would like a VHS video tape of the video, please email 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 piece 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.

**Alamo Industrial Division is willing to 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 unit at all times. If you lose or damage this manual a free replacement manual can be obtained from an authorized *Alamo Industrial* dealer or by downloading the manual from the *Alamo Industrial* website www.alamo-industrial.com

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 machine to be used with all its safety equipment properly attached to minimize the chance of accidents.

SAFETY FIRST. Completely read and understand the safety section of this manual before operating this equipment. Do not allow anyone to operate this equipment who has not fully read and understood this manual. Contact your Dealer to explain any instructions that you do not fully understand.

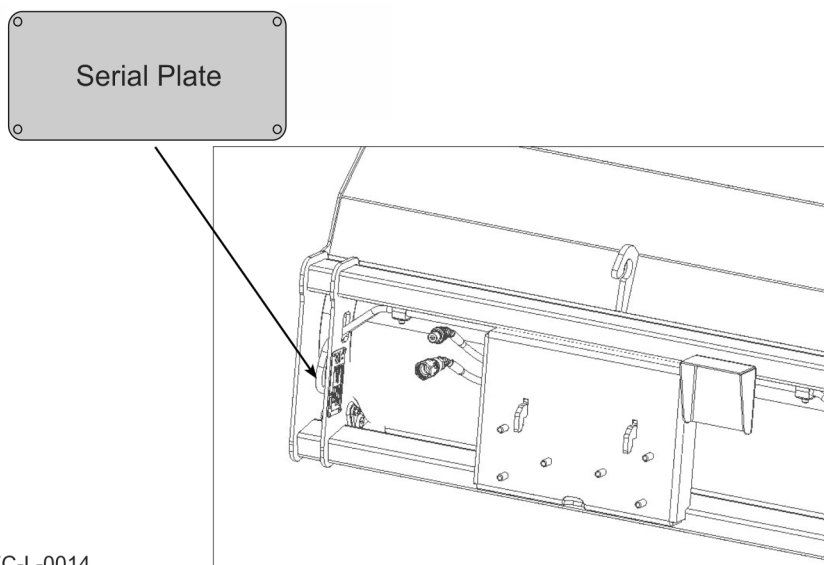
The care you give your *Alamo Industrial* machine will greatly determine your satisfaction with its performance and its service life. Carefully read and follow the instructions in this manual to provide you with a thorough understanding of your new implement and its intended use and service requirements.

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 unit.

Replacement Parts information is located in a separate Parts Manual. *Alamo Industrial* 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 *Alamo Industrial* 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 *Alamo Industrial* mower parts for economy and safety.

For future reference, record your *Alamo Industrial* product model number and serial number.

Dealer		Telephone		Model Number	
Owner		Purchase Date:		Serial Number	



FC-L-0014

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 inform Purchaser to review the contents of the Operator's Manual including safety equipment, safe operation and maintenance, to review the Safety Signs on the TRAXX RF Unit and of Purchaser's responsibility to train his/her operators of safe operation procedures.

- **IMPLEMENTS:** I have explained that Deflectors, Chain Guards, or Solid Skirts must be installed and maintained in good repair.
- **SHIELDS:** I have made certain that all 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 oils penetrating the skin.
- **IMPLEMENTS:** I have explained that it is not possible to guard against thrown objects when the head, or mower door is lifted off ground and that operator is responsible to watch out for persons in the area.

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

DEALER'S PREDELIVERY SERVICE GUIDE

DETAILS OF ITEMS LISTED BELOW ARE COVERED IN THIS OPERATOR'S MANUAL

- ___ Shipping damage corrected
- ___ Set up machine as outlined in the shipping instructions attached to these instructions.
- ___ Check that all safety decals are in good condition, replace if necessary.
- ___ Check that gearboxes have been filled with oil.
- ___ Check that all grease fittings have been lubricated.

DEALER'S DELIVERY GUIDE

- ___ Mounting and removal from tractor
- ___ Operation
- ___ Adjustments
- ___ Lubrication
- ___ Maintenance
- ___ Operator's safety precautions
- ___ User's responsibility and warranty
- ___ Operator's manual delivered to owner
- ___ Operator instructed on contents of owner's manual

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SAFETY SECTION

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 serious injury or death from unsafe practices.



Indicates an imminently 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.

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

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



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 by itself or inside a box indicates an avoidance procedure that should be followed to prevent injuries.</p> <p><i>Example:</i></p> <p>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. PN 6S01*

SAFETY

OPERATOR SAFETY

				
Read and understand Operator's Manual	Always wear Safety Glasses	Wear Hard Hat Safety Shoes	Never use Drugs or Alcohol when operating equipment	Wear Safety Vest when operating on or near roads



TO AVOID SERIOUS INJURY OR DEATH DO THE FOLLOWING:

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

SAFETY SIGNS:

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

SAFETY

CRUSHING HAZARDS

	
Crushing injury from roll over	Crushing injury Implement falling



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

WHEN RAISING OR LOWERING MOWER:

- Raise or lower when no one is within 20 feet of mower.
- **KEEP BYSTANDERS CLEAR** of area **TO AVOID** crushing.
- **KEEP** sufficient clearance around implement **TO AVOID** contacting buildings or power lines.

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



TO AVOID EQUIPMENT FALLING while working near or under lifted implement or components raised by tractor hitch:

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

WHEN PARKING Implement and Tractor:

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



TO AVOID CHILDREN FALLING OFF OR BEING CRUSHED BY EQUIPMENT:

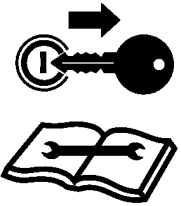
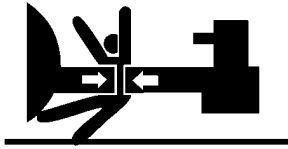

- **NEVER ALLOW** children to play on or around Tractor or Implement.

WHEN UNHITCHING IMPLEMENT:

- **LOWER** implement, **LOCK** or **BLOCK** lifted parts before leaving equipment. *PN CHFM-03*

SAFETY

CONNECTING OR DISCONNECTING IMPLEMENT SAFETY

		
Stop Tractor Remove Key Read Manual	Crushing injury between tractor and implement	Crushing injury mower falling



TO AVOID SERIOUS INJURY OR DEATH 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.

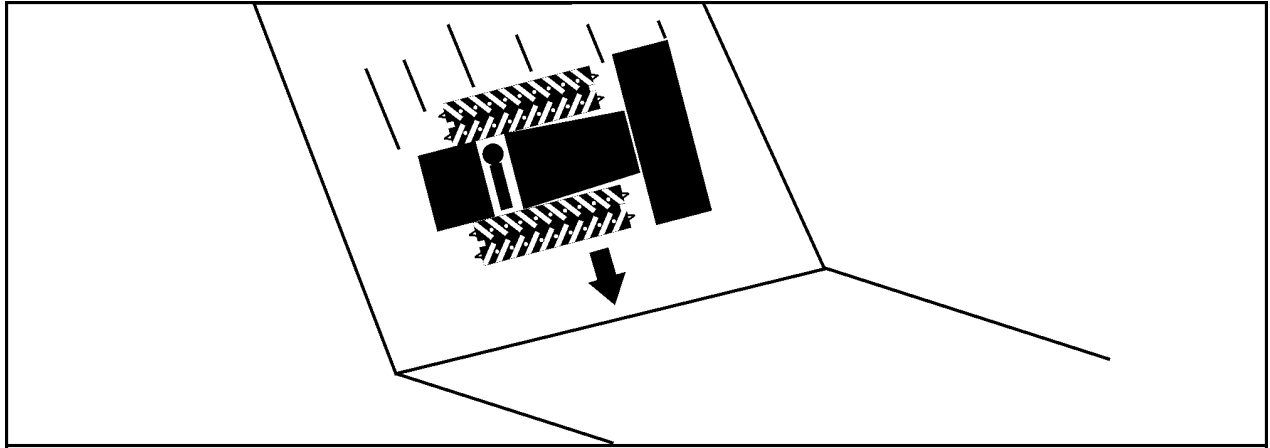
WHEN connecting and disconnecting implement hitch:

- **DO NOT** crawl or walk under raised mower or implement. *PN CDRCM-03*

SAFETY

SAFETY

SLIDING HAZARD



Crushing injury
Implement sliding from loss of traction



TO AVOID SERIOUS INJURY OR DEATH FROM SLIDING OR EQUIPMENT ROLLOVER:

Never attempt to operate the TRAXX RF with metal cleats or spiked track on concrete hillsides or hard hillside surfaces.

Operation of the spiked or cleated track on concrete or hard surface hillsides could result in sudden and violent loss of traction and control of the machine and may result in serious injury or death.






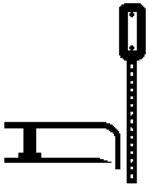
The TRAXX RF should only be operated on concrete or hard surface hillsides with the optional rubber track system installed. *PN SHRCM-01*

SAFETY

SAFETY

SAFETY

THROWN OBJECTS HAZARDS

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



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

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

- KEEP bystanders 300 feet away

STOP MOWING IF PASSERSBY ARE WITHIN 300 FEET UNLESS:

- **ALL THROWN OBJECT SHIELDING** including, Front and Rear Deflectors, 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:
 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:




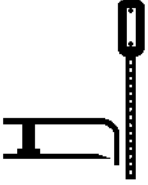
- **KEEP** all thrown object shielding including, Front and Rear Deflectors, Steel Guards, Bands, Side Skirts and Skid Shoes in place and in good condition when mowing.
- **DO NOT OPERATE** with any thrown object shielding missing, damaged or removed.

RIGHT OF WAY (Highway) MOWING

- 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 TORCM-01*

SAFETY

THROWN OBJECTS HAZARD (CONTINUED)

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

MOWER OPERATION:

- **DO NOT** exceed mower's rated Cutting Capacity or cut non-vegetative material.
- **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, guard rails and fixed obstructions.
- **DO NOT** operate mower when mower is raised or in transport position
- **STOP MOWING** immediately if blades strike heavy objects, fixed structures, metal guard rails and concrete structures:
 1. **BLADES CAN FAIL** from impact and objects can be thrown with great velocity.
 2. **INSPECT** and **REPLACE** any damaged blades.
 3. **CHECK** blade carrier balance and **REPLACE** if damaged.
- **DO NOT** mow in standing water **TO AVOID** possible **BLADE FAILURE**.
- **DO NOT ENGAGE MOWER BLADES** with mower in transport speed.
- **STOP** mowing when **EXCESSIVE VIBRATION** occurs:
 1. **STOP MOWER BLADES** and tractor **ENGINE**.
 2. **INSPECT** mower for vibration source
 3. **REPLACE** any damage parts and bent or damaged **BLADES**. *PN TORCM-02*

SAFETY

RUN OVER HAZARDS

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



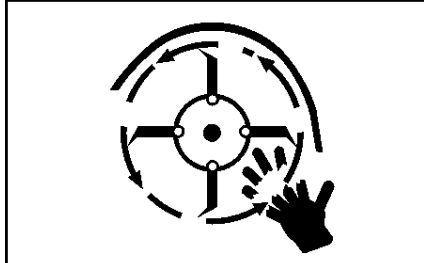
TO AVOID SERIOUS INJURY OR DEATH FROM FALLING OFF TRACTOR OR EQUIPMENT RUN OVER:

- Never allow riders on unit.
- Never ride on unit.
- Never stand in front of the mower, stay 300 feet away from the front of the mower while mowing.
- Never stand below or down slope of tractor, the tractor could slide or roll on top of you.
- Never stand within 25 feet of the tractor when operating the tractor.
- Never stand within 100 feet of the mower while operating the mower.
- Never walk closely behind the mower, stay 100 feet to the side or behind mower.
- When standing on a slope above the mower, make sure your footing is stable and solid to prevent slipping or falling into the path of the mower.
- Do not operate the tractor-mower in areas where you cannot clearly see in front of the mower path. Failure to see a bystander, drop-off or obstruction could result in serious injury.
- Only start the tractor with the remote control properly fitted too the operator.
- Never start the tractor if any bystander or coworker is within 25 feet of the mower.
- Only operate the tractor remote control when it is properly fitted on the operator.
- Immediately stop and shutdown the tractor and mower if a bystander comes within 300 feet of the mower.
- Never operate the tractor and mower toward motor vehicle traffic. Mow in a direction away from or perpendicular to vehicle traffic. *PN RORCM-01*

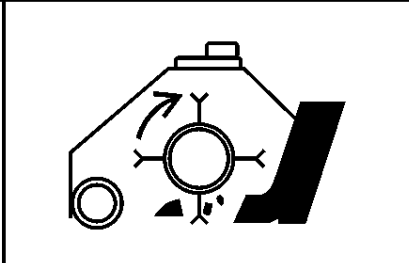
SAFETY

SAFETY

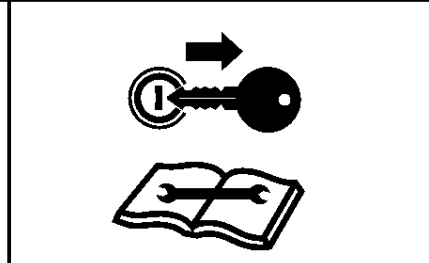
MOWER BLADE CONTACT HAZARDS



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 SERIOUS INJURY OR DEATH FROM BLADE CONTACT:

- **STAY AWAY** and **KEEP HANDS, FEET** and **BODY AWAY** from rotating blades, drivelines and parts until all moving elements have stopped.
- **DO NOT** put hands or feet under mower decks
- **STOP** rotating **BLADES** disengage 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. *PN MBFM-01*

SAFETY

SAFETY

HIGH PRESSURE OIL LEAK HAZARD

			
<p>High pressure oil penetrating skin</p>	<p>High pressure oil eroding skin</p>	<p>Using cardboard to check for oil leaks</p>	<p>Tank contents under pressure. Allow oil to cool before slowly removing cap</p>



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

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

HIGH PRESSURE FLUID LEAKS CAN BE INVISIBLE.

WHEN CHECKING FOR HYDRAULIC LEAKS AND WORKING AROUND HYDRAULIC SYSTEMS:

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

Use Caution when removing Hydraulic Tank cap.

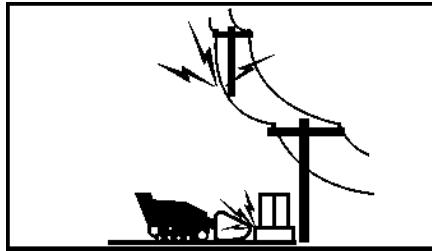
- Tank content maybe under pressure.
- Allow oil to cool before removing cap.
- Relieve oil pressure before removing cap slowly.
- Stay away from hot oil that may spray from tank.

PN HPFM-01

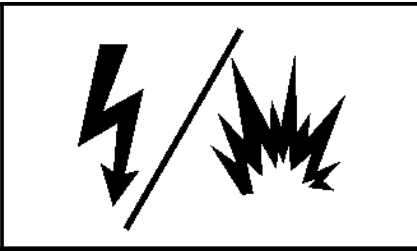
SAFETY

SAFETY

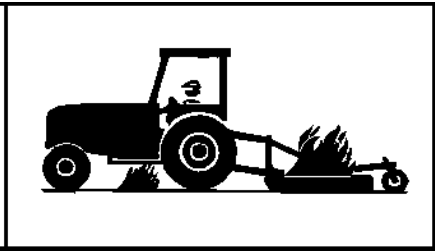
ELECTRICAL & FIRE HAZARDS



Implement contacting electric controller box



Strike and explosion Hazard
Blades Contacting Utility or Gas Lines



Do not operate near fires.
Keep mower deck clear of debris

⚠ DANGER

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

- **INSPECT** mowing area for overhead or underground electrical power lines, obstructions, gas lines, cables and Utility, Municipal, or other type structure.
- **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.

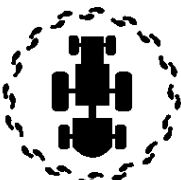
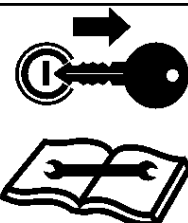



FIRE PREVENTION GUIDELINES while Operating, Servicing, and Repairing Mower and Tractor to reduce equipment and grass fire Risk:

- **Support equipment** with a **FIRE EXTINGUISHER**
- **DO NOT SMOKE** or have open flame near Mower.
- **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.
- **CLEAR** any grass clippings or debris buildup around mower, batteries and engine.
- **SHUT OFF ENGINE** while refueling.
- Do not operate if oil is leaking. Repair oil leak and remove all accumulated oil before operating.
- **CLEAR** any grass clippings or debris buildup around mower hydraulic pumps, valves or tanks. *PN EFRCM-01*

SAFETY

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	Hand Entanglement	Inspect Blades for damage or cracks

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

BEFORE PERFORMING SERVICE, REPAIRS AND MAINTENANCE ON THE IMPLEMENT:

- **STOP ENGINE**, engage parking brake, lower implement, allow all moving parts to stop and remove key.
- **PLACE** implement on ground or securely block up raised equipment. Use large blocks on soft or wet soil.

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

- Always **WEAR** protective **GLOVES** when handling blades, knives, cutting edges or worn component with sharp edges.
- Always **WEAR GLOVES** and **SAFETY GLASSES** when servicing hot components
- **AVOID CONTACT** with hot hydraulic oil tanks, pumps, motors, valves and hose connection surfaces.
- **SECURELY** support or **BLOCK UP** raised implement, framework and lifted components before working underneath equipment.
- **STOP** any implement movements and **SHUT-OFF TRACTOR** engine before doing any work procedures.
- **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, damaged, 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, Steel Guards, Bolts, Side Skirts and Skid Shoes in place and in good condition.
- **REPLACE** any missing, broken or worn safety shields, guards and safety devices.
- Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- **DISCONNECT** hydraulic connections before servicing mower head.
- **FOLLOW INSTRUCTIONS** in maintenance section when replacing hydraulic cylinders to prevent component falling.

CLEANING IMPLEMENT

- **NEVER** clean with pressure washer electrical components such as: receiver, remote control, actuator, reversible fan air compressor, fuses and relay box.

⚠ WARNING

Operating, servicing and maintaining this equipment can expose you to chemicals including gasoline, diesel fuel, lubricants, petroleum products, engine exhaust, carbon monoxide, and phthalates, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. This website, operated by California's Office of Environmental Health Hazard Assessment, provides information about these chemicals and how individuals may be exposed to them **PN HMRCM-02**

SAFETY

SAFETY

Bucket Safety

Equipment Operation Safety Instructions and Practices



DO NOT operate this Implement on a Tractor that is not properly maintained. Should a mechanical or Tractor control failure occur while operating, immediately shut down the Tractor and perform repairs before resuming operation. Serious injury and possible death could occur from not maintaining this Implement and Tractor in good operating condition. (SG-36)



Use extra care when turning or stopping. Allow for increased length and weight of added loader. The loader adds five to six feet of length in front of the tractor and significant weight. Allow extra distance when stopping or turning. Do not allow loader or attachment to contact solid objects. (SL-07)



Do not raise the loader into an overhead structure or allow a raised attachment to contact overhead structures. Sudden or unexpected contact with an overhead structure could result in serious injury. (SL-08)



Carry the loader and attachment low when transporting to reduce the potential of the tractor tipping over. Transport on slopes only at slow speeds and use gradual turning angles. Tractor wheel contact with any wash out, drop off or ground obstruction with a raised loader could result in the tractor tipping over and causing serious injury. (SL-12)



Do not work from the loader or attachments. Do not allow any riders on the loader, tractor or attachments. Falling off the loader could result in serious injury and/or tractor run over. (SL-14)



NEVER walk or work under or allow any person to be underneath a raised loader or attachment. (SL-40)



Know before you DIG. Call 888-258-0808 and request that all buried utilities locations be identified before digging in unfamiliar ground. Do not let the loader or attachment contact buried electrical power lines, utilities or gas lines. Contact with electrical power lines can result in serious bodily injury or electrocution. If the loader contacts a power line, remain in the tractor seat until the power has been shut off. Stepping off the tractor can permit electrical current to pass through the body resulting in electrocution. (SL-18)

SAFETY



Do not use loader as a jack to raise the tractor tires off the ground. The loader could fail causing the tractor and loader to fall to the ground resulting in serious injury. (SL-25)



Use extreme care when loading, transporting or dumping loads that impair or partially block the operator's line of sight. Know where you are traveling. Make sure no bystanders are in the area of travel. If a bystander assists in providing guidance, make sure they are not in the path of travel. Keep all bystanders 25 feet away from travel path. (SL-29)



Always look behind you before backing up. Make sure you are looking in the direction of travel. A bystander could walk behind the tractor. Running into a bystander can result in serious injury or death. (SL-30)



Be particularly careful in transport. The Implement has raised and moved the center of gravity to the front of the Power Unit increasing the possibility of overturn and tipping forward. Turn curves or go up slopes only at low speed and using a gradual turning angle. Go up slopes with the Implement located uphill. Slow down on rough or uneven surfaces. (SPU-2)



Never leave the Implement and Power Unit unattended while the Implement is in the raised position. Accidental operation of a lifting lever or a hydraulic failure may cause the implement to suddenly fall causing serious injury or possible death to anyone who might inadvertently be under the Implement. Lower the implement carefully to the ground. Do not put hands or feet under lifted components. (SPU-3)

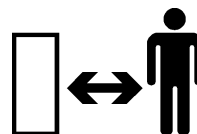
SAFETY

SAFETY

Connecting or Disconnecting Implement Safety Instructions and Practices

⚠ WARNING

Do not stand or allow bystander or coworkers between the loader and the tractor while installing or disconnecting the loader from the tractor. Keep hands and body clear of the loader and the loader mounts. Serious injury or death can result from a person being crushed between the tractor and loader. (SL-03)



⚠ DANGER

Never allow anyone to get under the loader or attachment or to reach through the loader lift arms when raised. Serious injury could result from crushing or pinching by the loader or attachment. (SL-06)



⚠ WARNING

Make sure the loader is properly attached to the tractor and the retaining pins securely lock the loader into position. Improper mounting of the loader onto the tractor can result in the loader falling causing serious injury. (SL-23)

SAFETY

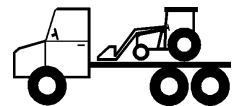
Transporting Safety Instructions and Practices



Do not raise the loader on a hillside. Do not transport across a slope with a raised loader. When the loader is raised, the center of gravity of the tractor and loader is raised increasing the potential for the tractor to tip over. Tractor wheel contact with any wash out, drop off or the ground obstruction with a raised loader could result in the tractor tipping over and causing serious bodily injury. (SL-21)



Lower the loader to the bed of the truck or trailer when transporting the tractor and loader with a truck. Measure to ensure the transport height does not exceed the legal limits. Contact with overhead obstructions or power lines can cause property damage or serious injury. (SL-34)



Never drive the power unit with the bucket or plow in the raised position. Traveling with the bucket or plow in the raised position increases the chances of colliding with overhead obstructions and making the unit more prone to tipping over. (SNPO-37)

Maintenance and Service Safety Instructions and Practices



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



PARTS INFORMATION

Alamo Industrial 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 Alamo Industrial specifications. Non-genuine "will fit" parts do not consistently meet these specifications. The use of "will fit" parts may reduce mower performance, void mower warranties, and present a safety hazard. Use genuine Alamo Industrial mower parts for economy and safety. (SPAM-1)

SEE YOUR ALAMO DEALER

SAFETY

SAFETY

Storage and Parking Safety Instructions and Practices



Never crawl under or allow children to play around or on a loader that is disconnected from the tractor. The loader could fall crushing a person resulting in serious injury or death. (SL-13)



Do not remove the attachment from the loader when the loader is disconnected from the tractor. The attachment stabilizes the loader. If the attachment is removed, the loader will fall and could result in serious injury. (SL-26)



Only disconnect and store the loader on firm flat ground. Make sure the loader stands are properly installed and rest on firm ground or support blocks. If the stands sink or fail, the loader could fall causing serious injury. (SL-27)

Concluding Safety Instructions and Practices

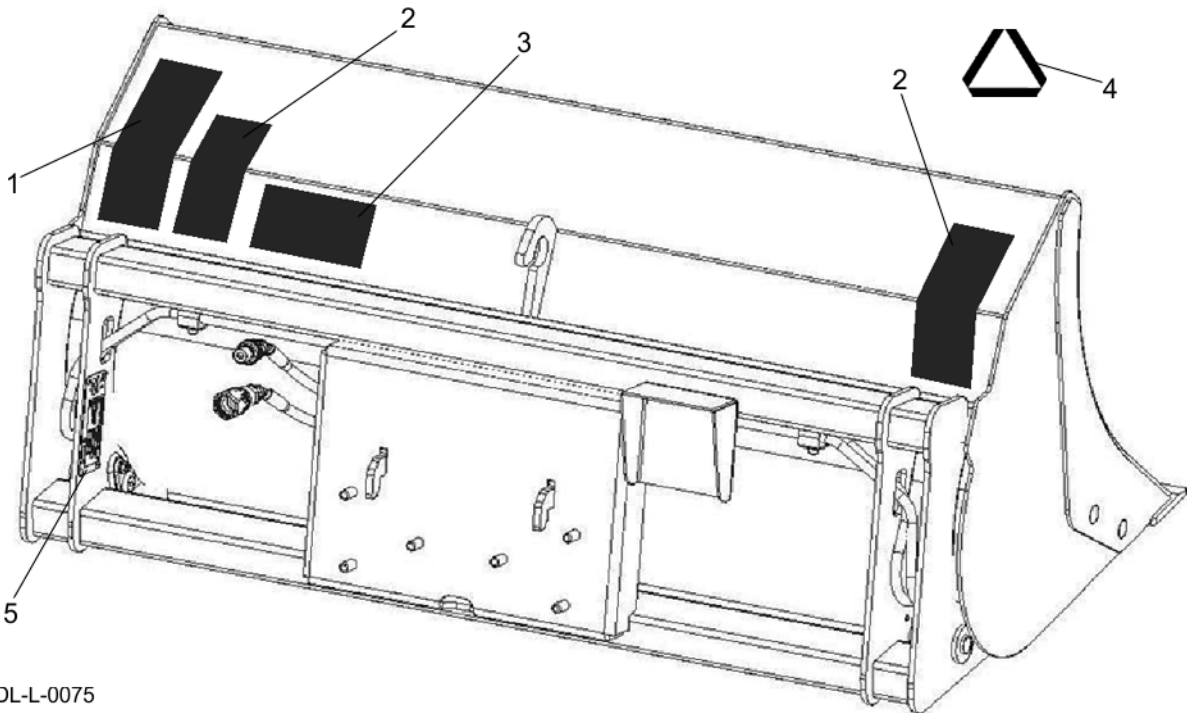
In addition to the design and configuration of this Implement, including Safety Signs and Safety Equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of the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

SAFETY

SAFETY

Decal Location

NOTE: Alamo Industrial supplies safety decals on this product to promote safe operation. Damage to the decals may occur while in shipping, use, or reconditioning. Alamo Industrial 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 Alamo Industrial dealer to order replacement decals.




DL-L-0075

ITEM	PART NO.	QTY	LEVEL	DESCRIPTION
1.	52740	2	WARNING	Oil Leaks
2.	D469	1	WARNING	Loader Safety
3.	D468	1	DANGER	Crushing, Electrocution, Falling Hazard
4.	03200347	*	REFLCTR	SMV Sign
5.	NFS	1	SERIAL PLT	Serial Number Plate

SAFETY

Decal Description


SAFETY



WARNING

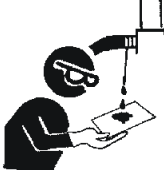
DO NOT OPERATE WITH OIL LEAKS

Inspect hoses regularly. Failure to inspect and replace worn hoses may allow them to rupture suddenly and violently resulting in serious bodily injury or death from scalding, fire burn injury, or oil penetration.



Frayed, torn, or crimped hoses may rupture and spray hot oil on operator causing serious scalding injury.


Oil may spray on hot tractor parts and catch fire resulting in severe injury, burn or death



To check for hose leak, shut tractor off and remove hydraulic pressure. Never use hands to check for leaks.

Wear safety glasses, oil impenetrable gloves, 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.

KEEP SHIELDS IN PLACE OVER HYDRAULIC COMPONENTS



Do not operate equipment if shields are missing or if oil leaks exist.

Repair or replace hoses as needed to prevent unexpected failure and possible serious injury to operator or bystander. If oil penetrates skin, serious injury or gangrene could occur. A doctor familiar with this type of injury must surgically remove the injected fluid immediately.

52740

SAFETY



WARNING



LOADER SAFETY

- Read, Understand, and Follow the operation, warning, and safety instructions in the Operator's Manual.
- Equip tractor with ROPS (Roll Over Protection System) before installing or operating the loader.
- Operate Loader only from operators seat with the seatbelt securely fastened around you.
- Carry Bucket low during transport for better visibility and to avoid overturns.
- Keep bystanders 10 feet away when operating loader.
- When parking or servicing unit, lower bucket to the ground on level hard surface, stop engine, set parking brake, place transmission in park.
- Read and Understand mounting instructions in the operator's manual before installing or detaching loader.
- Do not remove bucket or attachment from detached loader.
- Do not allow riders on tractor or loader.
- Do not allow children or untrained persons to operate loader.

**FAILURE TO FOLLOW THESE
INSTRUCTIONS CAN RESULT IN SERIOUS INJURY
OR DEATH**



PELIGRO



LEA EL INSTRUCTIVO





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

D469

SAFETY

SAFETY







SAFETY

 DANGER		
		
Crushing Hazard	Electrocution Hazard	Falling Hazard
To Avoid Injury or Death <ul style="list-style-type: none">• Do not walk or work under raised loader.• Lower loader to ground before leaving tractor seat.	To Avoid Injury or Death <ul style="list-style-type: none">• Do not allow bucket or Loader to contact power lines.	To Avoid Injury or Death <ul style="list-style-type: none">• Do Not work from Loader or attachments.• Do Not allow any riders on Loader, Tractor, or Attachments
		D468

SAFETY

SAFETY

 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 français: 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 vídeo   www.algqr.com/ars	Manuel de l'Opérateur   www.algqr.com/arf

 PERIGO	 GEFAHR
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.	Falls Sie nicht Englisch sprechen: Bevor Sie die Geräte in Betrieb nehmen, bitten Sie eine Englisch sprechende Person darum, Ihnen die Sicherheitsmeldung zu übersetzen, oder besuchen Sie die Website; dort finden Sie übersetzte Aufkleber und Sicherheitsmeldungen.
Manual do Operador   www.algqr.com/arp	Benutzerhandbuch   D833 www.algqr.com/arg

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



FL-L-0013

The bucket is equipped with a hydraulic cylinder that pushes and tips the bucket over its front edge, which gives considerably more tipping height than with a normal bucket. With proper maintenance as described in this manual, your Bucket will provide you with years of dependable service with a minimum of repairs. Any other use must be considered as inappropriate and the manufacturer will not be held liable for injuries to people and damage to property or the machine itself.

It is recommended that all operators of this implement read this manual or be instructed of its contents as to safety, proper operation, and maintenance before beginning operation. The Bucket must not be used by minors, untrained and unqualified personnel.

Literature Page



www.algqr.com/arl



The TRAXX RF should only be operated on concrete or hard surface hillsides with the optional rubber track system installed.

This equipment must be only installed on the Traxx radio controlled machine sold by Alamo Industrial.

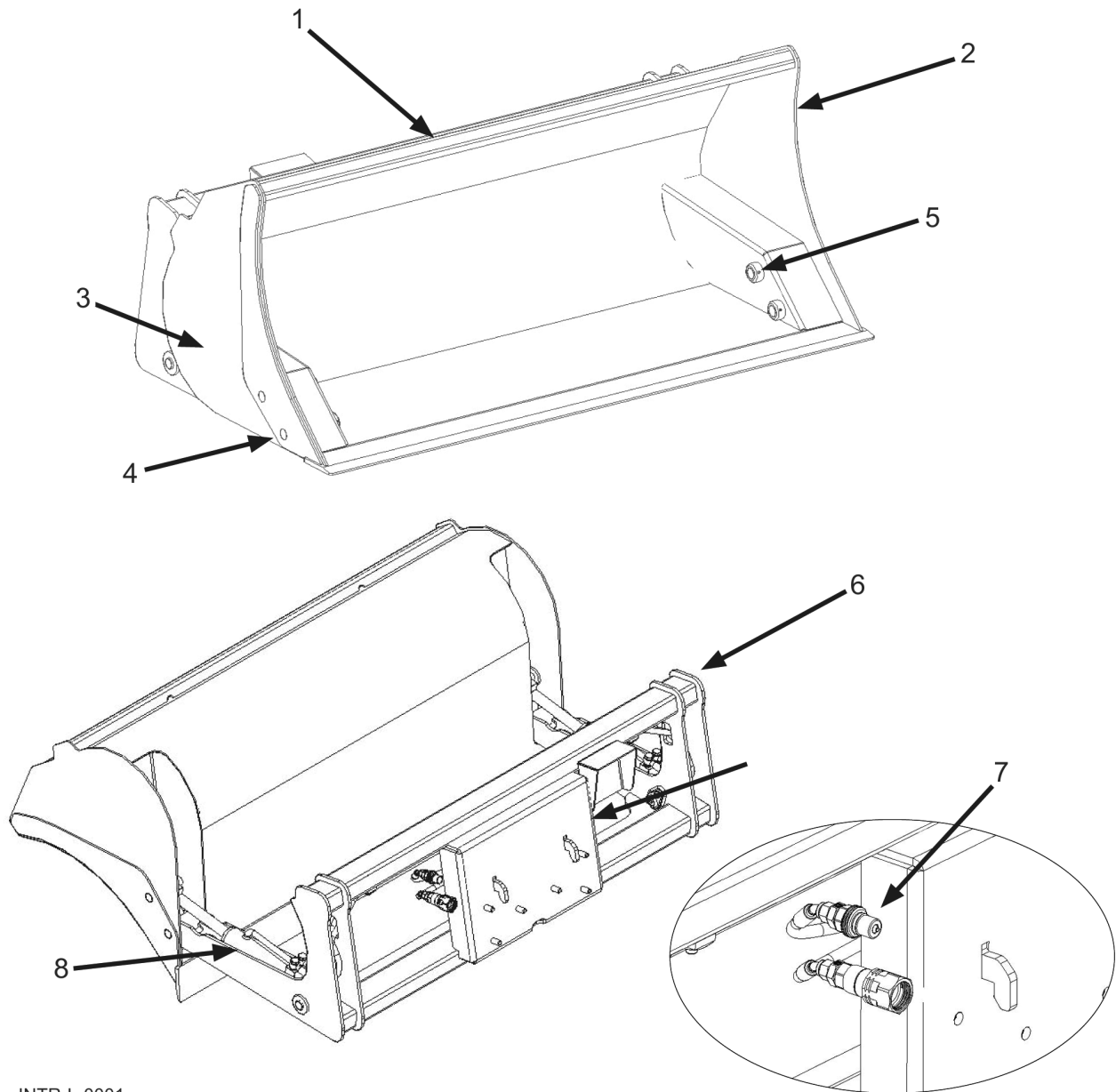
For the purpose of this Alamo Industrial equipment, the following definitions apply.

Left hand side: Side which is to the left when the operator is facing in the normal forward direction of the tractor.

Right hand side: Side which is to the right when the operator is facing in the normal forward direction of the tractor.

INTRODUCTION

INTRODUCTION



INTR-L-0001

DESCRIPTION OF THE TRAXX BUCKET

- | | |
|-----------------|---------------------|
| 1. Bucket | 6. Frame |
| 2. LH Side | 7. Attachment Plate |
| 3. RH Side | 8. LH Cylinder |
| 4. Pivot | 9. Quick Release |
| 5. Cylinder Pin | |

Traxx RF Bucket 05/19

Introduction Section 2-3

INTRODUCTION

Attention Owner/Operator

BEFORE OPERATING THIS MACHINE:

1. Carefully read the Operator's Manual, completely understand the Safety Messages and instructions, and know how to operate correctly both the tractor and implement.
2. Fill out the Warranty Card in full. Be sure to answer all questions, including the Serial Number of the Bucket. Mail within 30 days of delivery date of this implement.

NOTE: Warranties are honored only if completed "Owner Registration and Warranty" forms are received by Alamo Industrial within thirty days of delivery of the implement.

3. Record the Bucket Model and Serial Number on the Warranty page at the front of the Operator's Manual. Keep this as part of the permanent maintenance file for the implement.

4. For Your Safety:

- Do Not remove the safety devices when the machine is working.
- Never use the machine without even a single source of protection.
- Before performing any work on the Bucket, including cleaning and maintenance operations, stop the Traxx RF, wait for the rotor to stop, turn off the engine and remove the security key from the radio control.
- Do not allow people on the machine during transport or work.

⚠ WARNING

**Non-genuine parts can fail catastrophically.
TO AVOID SERIOUS INJURY OR DEATH:**

- ONLY use genuine ALAMO INDUSTRIAL replacement parts.
- Non-genuine parts can fail creating hazardous conditions for operator and bystanders.

Contact local dealer or ALAMO INDUSTRIAL about repair parts at:

1502 E. Walnut, Seguin, TX
78155. Customer Service:
800-882-5762.
Email: support@alamo-industrial.com


www.algqr.com/apm

⚠ WARNING

Cancer and Reproductive Harm
[www.P65 Warnings.ca.gov](http://www.P65Warnings.ca.gov) D779

OPERATION SECTION

Operation Section 4-1

OPERATION

ALAMO INDUSTRIAL TRAXX BUCKET OPERATION INSTRUCTIONS

ALAMO INDUSTRIAL TRAXX Buckets are manufactured with quality material by skilled workers.

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 Bucket or TRAXX RF. Do not operate the implement if passersby, pets, livestock, or property are within sight.

This section of the Operator's Manual is designed to familiarize, instruct, and educate safe and proper implement 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 Bucket and are not necessarily of a TRAXX Bucket. 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 TRAXX operation and all associated safety practices before operating. Proper operation of the Bucket, as detailed in this manual, will help ensure years of safe and satisfactory use.



The TRAXX RF should only be operated on concrete or hard surface hillsides with the optional rubber track system installed.

IMPORTANT: To avoid implement damage, retorque all bolts after the first 10 hours of operation.

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- 0001*

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



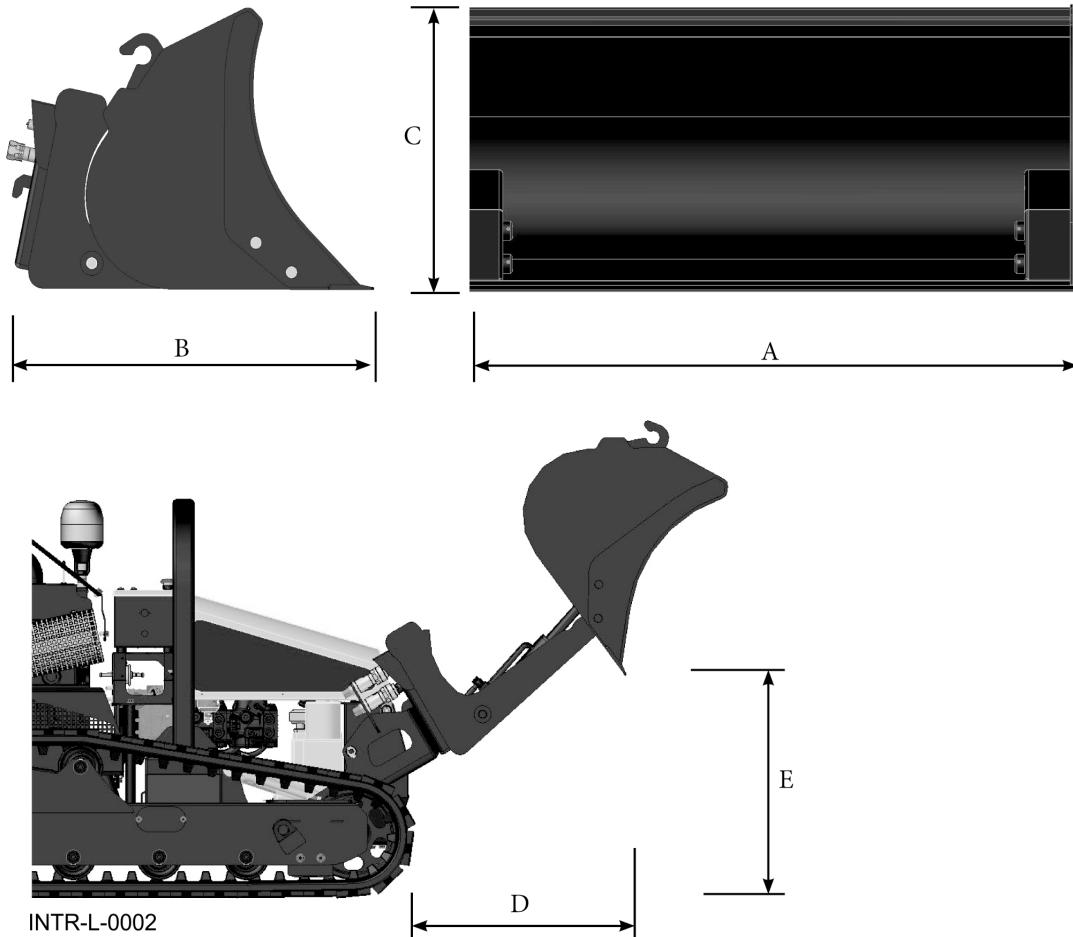
Si no lee ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad. (SG-3)

¡ LEA EL INSTRUCTIVO!



OPERATION

1. STANDARD EQUIPMENT & SPECIFICATIONS



General Specifications

- A - Width -- 51" (1300mm)
- B - Depth -- 30-1/2" (780mm)
- C - Height Max. -- 22" (560mm)
- D - Discharge Distance -- 24" (615mm)
- E - Discharge Max. Height -- 25-1/2" (650mm)

Max Load -- 661lb. (300kg)
Weight -- 374lb. (170kg)

2. CONNECTING THE BUCKET TO THE TRAXX RF

Use extreme caution when connecting the bucket to the TRAXX RF. The bucket should be securely resting at ground level. Keep hands and feet out from under the bucket and clear of pinch points between the TRAXX RF and bucket.

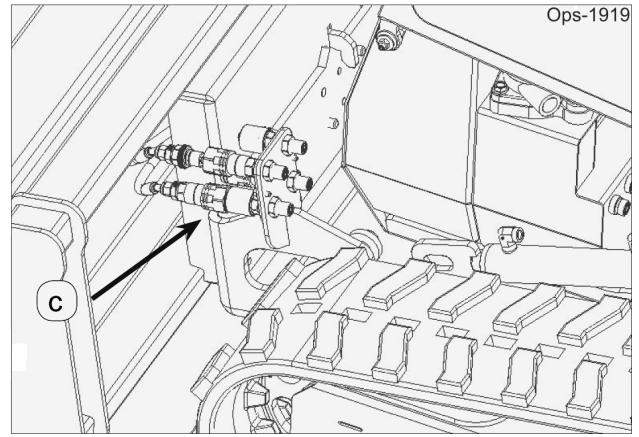
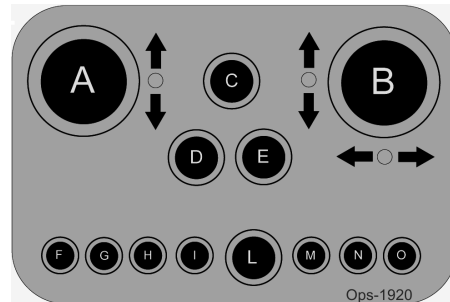
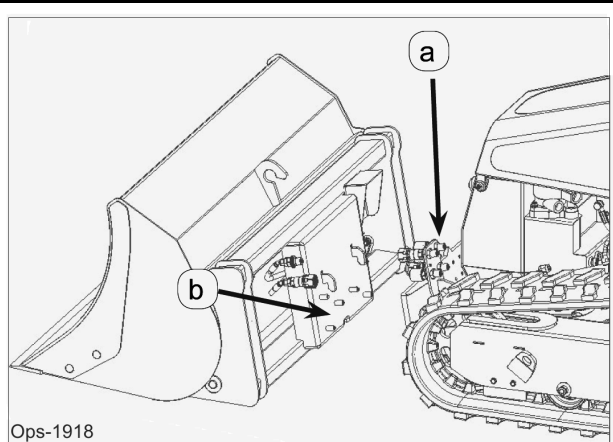


Only those implements approved for use with the TRAXX RF should be installed onto the TRAXX RF.

OPERATION

2.1 Connecting the Bucket to the TRAXX RF

1. Follow the procedures in the TRAXX RF Operator's Manual to link the radio system of the TRAXX RF mower with the controller and follow the procedures to start the engine of the TRAXX RF.
2. Align the TRAXX RF with the approved implement such that the Front Lift Attachment is in line with the Hitch point of the approved implement as shown in OPS-1918.
3. Completely lower the front lift attachment by moving the joystick on the controller labeled "B" in the forward direction.
4. Slowly engage the drive system of the TRAXX RF by moving the Joystick labeled "A" in the forward direction until the front lift attachment of the TRAXX RF is in contact with the hitch point of the attachment to be installed.
5. Slowly raise the lift attachment of the TRAXX RF by moving the joystick labeled "B" in the rearward direction until the lift attachment is fully engaged into the hitch point of the attachment and the mounting bolt holes are properly aligned.
6. Turn off the engine of the TRAXX RF and secure the machine to prevent sudden or unexpected movement or operation.
7. Install the 6 hex head cap screws which secure the lift attachment of the TRAXX RF to the Hitch point of the attachment and torque to the specified setting as described in the torque chart.
8. Clean and attach the hydraulic fittings at the quick disconnects on the left side of the lift attachment. OPS-1919
9. Follow the procedures to start the TRAXX RF engine and test for proper operation.



WARNING

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.

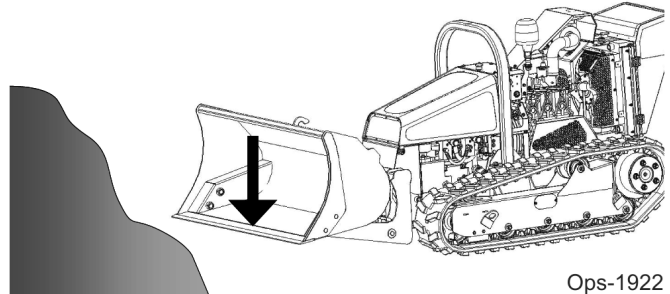


OPERATION

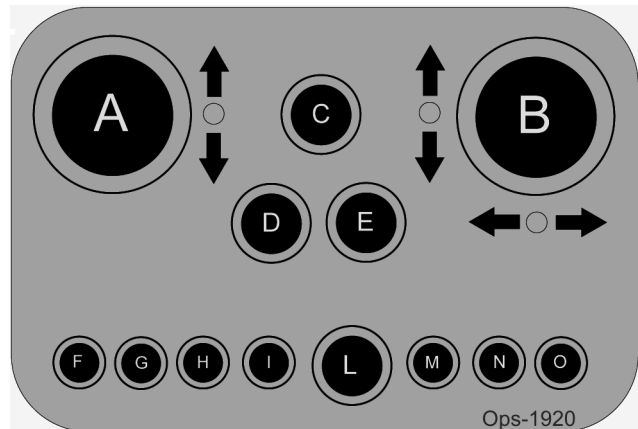
3. FILLING FROM A PILE

When learning to use the loader operate at a slow speed. Take advantage of the efficient operation of the loader. Keep the travel distance as short as possible. Keep the work area small so the cycle time is short. Keep the work area as level as possible. Fill the bucket to rated capacity. Turning is easier with a full load than a partial load. Keep the loaded bucket close to the ground when transporting. Tilt the bucket as you raise the lift arms or drive up a slope. Always go up or down a slope with a heavy end of the loader pointing up towards the top of the slope.

1. Lower the lift arms completely down moving the right joystick "B". Place the cutting edge of the bucket on the ground using the switch "M". Drive the loader forward slowly. As the bucket begins to fill pull on the switch "M" to raise the front of the bucket and pull on the joystick "B" to raise the lift arms. When the bucket is full back away from the pile.

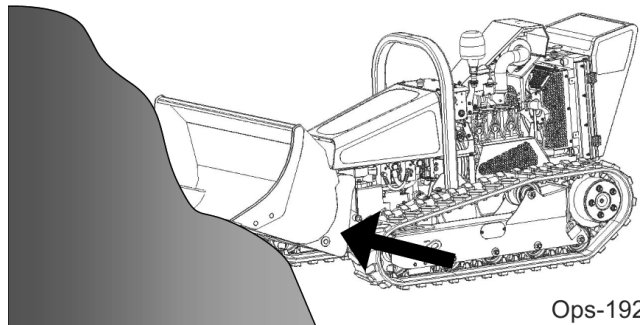


Ops-1922



Ops-1920

2. To dump the bucket, pull on the joystick "B" to raise the lift arms. Push down on the switch "M" slowly as the lift arms are raising to stop material from falling off the back of the bucket. When the bucket is at the correct height for dumping, push on the switch "M" to empty the bucket.



Ops-1923

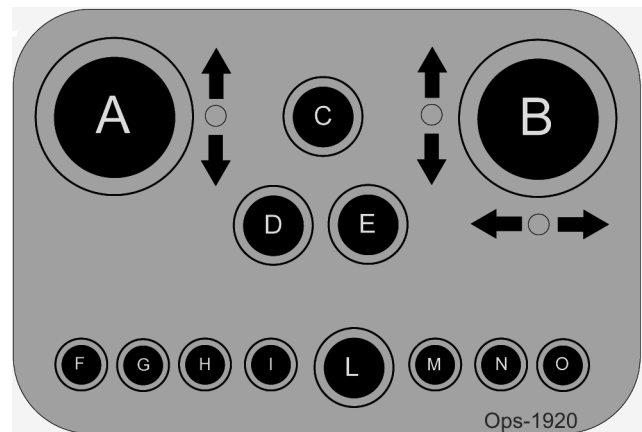
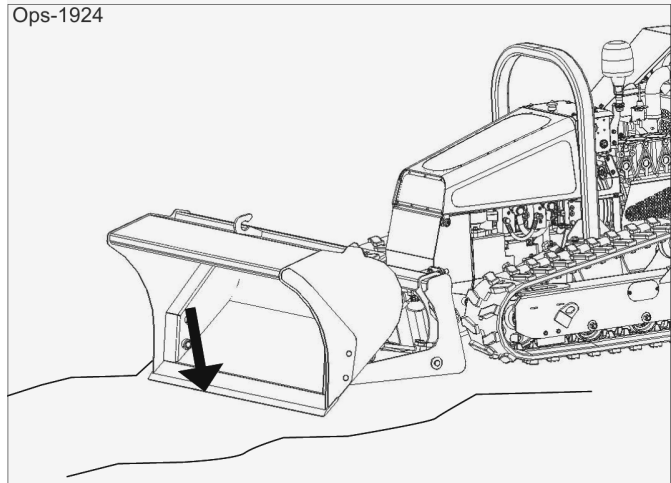
OPERATION

OPERATION

4. LEVELING AND BACKFILLING

Spread dirt on uneven ground by pulling on the joystick "B" to raise the lift arms and push on the switch "M" to tilt the bucket down as you drive forward.

To level the ground; raise the lift arms and tilt the bucket down,. Push firmly on the joystick "B" to lock the lift arms in the float position. The weight of the lift arms and bucket will hold the bucket on the ground. Drive backward to level material.

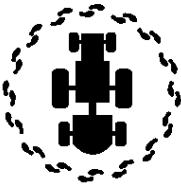
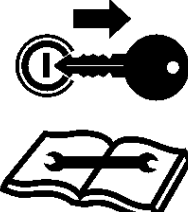





MAINTENANCE SECTION

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	Hand Entanglement	Inspect Blades for damage or cracks

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

BEFORE PERFORMING SERVICE, REPAIRS AND MAINTENANCE ON THE IMPLEMENT:

- **STOP ENGINE**, engage parking brake, lower implement, allow all moving parts to stop and remove key.
- **PLACE** implement on ground or securely block up raised equipment. Use large blocks on soft or wet soil.

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

- Always **WEAR** protective **GLOVES** when handling blades, knives, cutting edges or worn component with sharp edges.
- Always **WEAR GLOVES** and **SAFETY GLASSES** when servicing hot components
- **AVOID CONTACT** with hot hydraulic oil tanks, pumps, motors, valves and hose connection surfaces.
- **SECURELY** support or **BLOCK UP** raised implement, framework and lifted components before working underneath equipment.
- **STOP** any implement movements and **SHUT-OFF TRACTOR** engine before doing any work procedures.
- **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, damaged, 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, Steel Guards, Bolts, Side Skirts and Skid Shoes in place and in good condition.
- **REPLACE** any missing, broken or worn safety shields, guards and safety devices.
- Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
- **DISCONNECT** hydraulic connections before servicing mower head.
- **FOLLOW INSTRUCTIONS** in maintenance section when replacing hydraulic cylinders to prevent component falling.

CLEANING IMPLEMENT

- **NEVER** clean with pressure washer electrical components such as: receiver, remote control, actuator, reversible fan air compressor, fuses and relay box.

⚠ WARNING

Operating, servicing and maintaining this equipment can expose you to chemicals including gasoline, diesel fuel, lubricants, petroleum products, engine exhaust, carbon monoxide, and phthalates, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. This website, operated by California's Office of Environmental Health Hazard Assessment, provides information about these chemicals and how individuals may be exposed to them **PN HMRCM-02**

MAINTENANCE

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



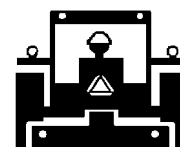
Never interfere with factory-set hydraulic calibrations. Any change in calibration could cause a failure of the equipment and may result in injury. (SBH-13)



Always maintain the safety signs in good readable condition. If the safety signs are missing, damaged, or unreadable, obtain and install replacement safety signs immediately. (SG-5)



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)



Do not modify or alter this Implement. Do not permit anyone to modify or alter this Implement, any of its components or any Implement function. (SG-8)



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



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)



Never attempt to lubricate, adjust, or remove material from the Implement while it is in motion or while tractor engine is running. (SG-20)

MAINTENANCE

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Avoid contact with hot surfaces including hydraulic oil tanks, pumps, motors, valves and hose connections. Relieve hydraulic pressure before performing maintenance or repairs. Use gloves and eye protection when servicing hot components. Contact with a hot surface or fluid can cause serious injury from burns or scalding. (SG-34)



Use caution and wear protective gloves when handling sharp objects such as blades, knives, and other cutting edges. Be alert to worn component surfaces which have sharp edges. Sharp surfaces can inflict severe laceration injuries if proper hand protection is not worn. (SG-37)



Avoid contact with hot surfaces of the engine or muffler. Use gloves and eye protection when servicing hot components. Contact with a hot surface or fluid can cause serious injury from burns or scalding. (SG-38)



Never perform maintenance beneath a raised loader unless loader is properly supported to prevent accidental lowering.

PARTS INFORMATION

Alamo Industrial 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 Alamo Industrial specifications. Non-genuine "will fit" parts do not consistently meet these specifications. The use of "will fit" parts may reduce mower performance, void mower warranties, and present a safety hazard. Use genuine Alamo Industrial mower parts for economy and safety. (SPAM-1)

SEE YOUR ALAMO DEALER

MAINTENANCE

MAINTENANCE

Lubrication Schedule

Before operating your bucket, take the time to inspect and repair any damage to the bucket, such as cracks or loose screws or nuts and your TRAXX RF. Only a minimum of time and effort is required to regularly maintain this machine to provide long life and trouble free operation.

Lubricate all grease fittings.

NOTE: Fully retract bucket to a comfortable height to grease bucket. Do not reach under a raised bucket or attachment without proper support.

MAINTENANCE

Daily Maintenance

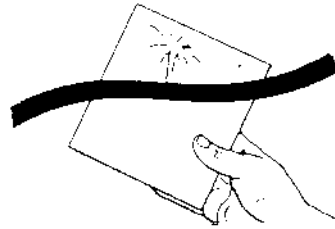
Regular maintenance of your loader and hydraulic system will insure maximum loader efficiency and long life.

1. Check fluid level of TRAXX RF hydraulic system before starting each day's operation. If necessary, add hydraulic oil as recommended in your TRAXX RF operator's manual.
2. Daily, unless conditions justify more frequent greasing, lubricate all grease fittings.
3. After every ten hours of operation, check all hardware and tighten where required.
4. Replace hoses immediately if they are damaged by a cut or scraped, extruded at the fittings or leaking. Hydraulic oil leaks should be repaired promptly to avoid loss of oil and serious personal injury from escaping oil.

WARNING

Escaping hydraulic fluid under pressure can penetrate skin, causing serious personal injury.

- DO NOT use your hand to check for leaks. Use a piece of wood or cardboard and wear eye protection to search for leaks.
- Stop engine and relieve pressure before connecting or disconnecting lines.
- Tighten all connections before starting engine or pressurizing lines.



Mnt-L-0005

NOTE: If any fluid is injected into skin, obtain medical attention immediately or gangrene may result.

MAINTENANCE

Storage



Never crawl under or allow children to play around or on a loader that is disconnected from the tractor. The loader could fall crushing a person resulting in serious injury or death. (SL-13)



Only disconnect and store the loader on firm flat ground. Make sure the loader stands are properly installed and rest on firm ground or support blocks. If the stands sink or fail, the loader could fall causing serious injury. (SL-27)

1. Thoroughly clean all debris off the mower to prevent damage from rotting grass and standing water.
2. Lubricate all mower grease points and fill gearbox oil levels as detailed in the maintenance section.
3. Tighten all bolts and pins to the recommended torque.
4. Check the mower for worn and damaged parts. Perform repairs and make replacements immediately so that the mower will be ready for future use.
5. Store the mower in a clean, dry place with the mower housing resting securely on blocks or at ground level.
6. Use spray touch-up enamel where necessary to prevent rust and maintain the appearance of the mower.

MAINTENANCE

MAINTENANCE

MAINTENANCE

Proper Torque for Fasteners

The chart lists the correct tightening torque for fasteners. When bolts are to be tightened or replaced, refer to this chart to determine the grade of bolts and the proper torque except when specific torque values are assigned in manual text.


RECOMMENDED TORQUE IN FOOT POUNDS UNLESS OTHERWISE STATED IN THE MANUAL*

NOTE: These values apply to fasteners as received from supplier, dry or when lubricated with normal engine oil. They do not apply if special graphited or molydisulphide greases or other extreme pressure lubricants are used. This applies to both UNF fine and UNC coarse threads.

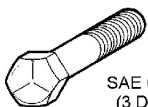
TORQUE SPECIFICATIONS - DRY TORQUE

Proper torque for American fasteners.
Recommended Torque in Foot Pounds (Newton Meters).*

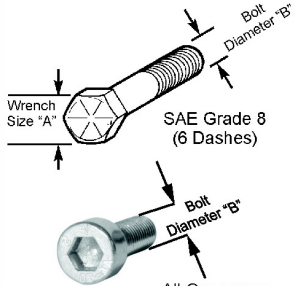
AMERICAN Bolt Head Markings



SAE Grade 2
(No Dashes)



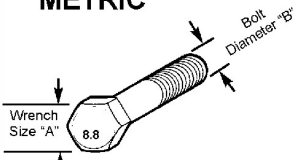
SAE Grade 5
(3 Dashes)



Wrench Size "A"
Bolt Diameter "B"
SAE Grade 8
(6 Dashes)
All Capscrews
SAE Grade 8

WRENCH SIZE (IN.) "A"	BOLT DIAMETER (IN.) "B" AND THREAD SIZE	SAE GRADE 2	SAE GRADE 5	SAE GRADE 8
7/16	1/4 - 20 UNC	6 (7)	8 (11)	12 (16)
7/16	1/4 - 28 UNF	6 (8)	10 (13)	14 (18)
1/2	5/16 - 18 UNC	11 (15)	17 (23)	25 (33)
1/2	5/16 - 24 UNF	13 (17)	19 (26)	27 (37)
9/16	3/8 - 16 UNC	20 (27)	31 (42)	44 (60)
9/16	3/8 - 24 UNF	23 (31)	35 (47)	49 (66)
5/8	7/16 - 14 UNC	32 (43)	49 (66)	70 (95)
5/8	7/16 - 20 UNF	36 (49)	55 (75)	78 (106)
3/4	1/2 - 13 UNC	49 (66)	76 (103)	106 (144)
3/4	1/2 - 20 UNF	55 (75)	85 (115)	120 (163)
7/8	9/16 - 12 UNC	70 (95)	109 (148)	153 (207)
7/8	9/16 - 18 UNF	79 (107)	122 (165)	172 (233)
15/16	5/8 - 11 UNC	97 (131)	150 (203)	212 (287)
15/16	5/8 - 18 UNF	110 (149)	170 (230)	240 (325)
1-1/8	3/4 - 10 UNC	144 (195)	266 (360)	376 (509)
1-1/8	3/4 - 16 UNF	192 (260)	297 (402)	420 (569)
1-5/16	7/8 - 9 UNC	166 (225)	430 (583)	606 (821)
1-5/16	7/8 - 14 UNF	184 (249)	474 (642)	668 (905)
1-1/2	1 - 8 UNC	250 (339)	644 (873)	909 (1232)
1-1/2	1 - 12 UNF	274 (371)	705 (955)	995 (1348)
1-1/2	1 - 14 UNF	280 (379)	721 (977)	1019 (1381)
1-11/16	1-1/8 - 7 UNC	354 (480)	795 (1077)	1288(1745)
1-11/16	1-1/8 - 12 UNF	397 (538)	890 (1206)	1444 (1957)
1-7/8	1-1/4 - 7 UNC	500 (678)	1120 (1518)	1817 (2462)
1-7/8	1-1/4 - 12 UNF	553 (749)	1241 (1682)	2013 (2728)
2-1/16	1-3/8 - 6 UNC	655 (887)	1470 (1992)	2382 (3228)
2-1/16	1-3/8 - 12 UNF	746 (1011)	1672 (2266)	2712 (3675)
2-1/4	1-1/2 - 6 UNC	870 (1179)	1950 (2642)	3161 (4283)
2-1/4	1-1/2 - 12 UNF	979 (1327)	2194 (2973)	3567 (4820)

METRIC



Wrench Size "A"
Bolt Diameter "B"
8.8
Numbers appearing on bolt heads indicate ASTM class.

*Use 75% of the specified torque value for plated fasteners. Use 85% of the specified torque values for lubricated fasteners.

Proper torque for Metric fasteners. Recommended torque in Foot Pounds (Newton Meters).*					
WRENCH SIZE (mm) "A"	BOLT DIA. (mm) "B"	ASTM 4.6	ASTM 8.8	ASTM 9.8	ASTM 10.9
8	5	1.8 (2.4)		5.1 (6.9)	6.5 (8.8)
10	6	3 (4)		8.7 (12)	11.1 (15)
13	8	7.3 (10)		21.1 (29)	27 (37)
16	10	14.5 (20)		42 (57)	53 (72)
18	12	26 (34)	74 (100)	73 (99)	93 (126)
21	14	40 (54)	118 (160)	116 (157)	148 (201)
24	16	62 (84)	167 (226)	181 (245)	230 (312)
30	20	122 (165)	325 (440)		449 (608)
33	22		443 (600)		611 (828)
36	24	211 (286)	563 (763)		778 (1054)
41	27		821 (1112)		1138 (1542)
46	30	418 (566)	1119 (1516)		1547 (2096)

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