SERVICE

GEARBOX LUBRICATION
Rotary mower gearboxes have two plugs in the rear. The upper plug is the fill plug. The lower plug is the check plug. Gearboxes should never be filled with oil higher than the check plug. Overfilling will result in overheating and could ruin seals.

To check oil level, unscrew the check plug (lower) and see if the oil runs slowly out or if you can determine that the oil level is nearly up to the hole. If not, unscrew the fill plug (top) and fill until the oil level reaches the check plug hole. Put both plugs back on before use.

Gearbox oil level should be check before each use. Use 90 weight gear oil such as needed.

1. Wheels/hubs
2. Wheel forks
3. PTO universal joints

SHEAR BOLTS
Rotary mowers are equipped with either shear bolts or slip clutches for PTO and gearbox protection. For those with shear bolts, use only a Grade 2 bolt when replacing a sheared bolt. Grade 2 bolts are soft enough to shear and provide the best protection for your PTO and gearbox. Using anything other than a Grade 2 bolt will void your gearbox warranty.

Most hardware stores stock Grade 5 and Grade 8 bolts. These bolts will not shear and increase the likelihood of damage to your PTO and gearbox.

Insert Top Link in the top hole of flex hitch

3” Flex Hitch Spacer slides thru the flex hitch with a ¾-10x5” bolt and a nylon lock nut.

The back brace is bolted to the inside of the A-frame. The 2 ½” spacer should be placed between the back braces and secured with a 5/8-11x5” bolt with lock washer and finishing nut.

OWNER’S and OPERATOR’S MANUAL
for
ROTARY MOWERS

For all model rotary mowers manufactured by
J Bar Corporation
including SRM4L, SRM5L, SRM6, HRM5, HRM6, PRM5, PRM6

J Bar Corporation
www.jbarcorp.com
Telephone (706) 734-7351
Fax (706) 734-3449
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Parts and Service
For the correct parts and service for your J Bar implements, contact your local implement dealer where this implement was purchased. If you need us to help you find a J Bar dealer in your area, you may contact us at jbarsales@live.com or call us at (706)734-7351.

ROTARY CUTTER PARTS

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>DCB4</td>
<td>4' CUTTER BLADE</td>
</tr>
<tr>
<td>DCB5</td>
<td>5' CUTTER BLADE</td>
</tr>
<tr>
<td>DCB6</td>
<td>6' CUTTER BLADE</td>
</tr>
<tr>
<td>DC1</td>
<td>BLADE BOLT W/ NUT</td>
</tr>
<tr>
<td>DC40</td>
<td>40 HP GEAR BOX</td>
</tr>
<tr>
<td>DC44</td>
<td>OVAL STUMP JUMPER</td>
</tr>
<tr>
<td>DC55</td>
<td>ROUND STUMP JUMPER</td>
</tr>
<tr>
<td>DC66</td>
<td>6' ROUND STUMP JUMPER (40HP ONLY)</td>
</tr>
<tr>
<td>DC33</td>
<td>HUB FOR STUMP JUMPER (40HP ONLY)</td>
</tr>
<tr>
<td>DC400</td>
<td>LAMINATED TAIL WHEEL W/ HUB</td>
</tr>
<tr>
<td>DC410</td>
<td>TAIL WHEEL HUB ONLY</td>
</tr>
<tr>
<td>MC10</td>
<td>HITCH PIN</td>
</tr>
<tr>
<td>DC210</td>
<td>CUTTER TAIL WHEEL AXLE W/ PIN</td>
</tr>
<tr>
<td>DC4K</td>
<td>TAIL WHEEL FORK ( LARGE)</td>
</tr>
<tr>
<td>TWW</td>
<td>1 1/4&quot; ID, 2&quot; OD FLAT WASHER</td>
</tr>
<tr>
<td>FM4K</td>
<td>SMALL WHEEL FORK FOR 4 WHEEL MOWER</td>
</tr>
<tr>
<td>TWW1</td>
<td>TAIL WHEEL BUSHING FOR MOWER</td>
</tr>
<tr>
<td>AF100</td>
<td>A FRAME FOR 4', 5', 6' (2 REQ)</td>
</tr>
<tr>
<td>DC54</td>
<td>BACK BRACE FOR 4'</td>
</tr>
<tr>
<td>DC134</td>
<td>BACK BRACE FOR 4' ( 2 REQ)</td>
</tr>
<tr>
<td>DC135</td>
<td>BACK BRACE FOR 5' ( 2 REQ)</td>
</tr>
<tr>
<td>DC136</td>
<td>BACK BRACE FOR 6' ( 2 REQ)</td>
</tr>
<tr>
<td>AFT1</td>
<td>A FRAME SPACER- 3' FOR TOP OF FLEX HITCH</td>
</tr>
<tr>
<td>DC145</td>
<td>FLEX HITCH</td>
</tr>
<tr>
<td>DC75</td>
<td>SHEAR PIN 1/2' X 3' W/ NUT</td>
</tr>
<tr>
<td>CN1</td>
<td>CASTLE NUT W/ WASHER</td>
</tr>
<tr>
<td>TWA</td>
<td>TAIL WHEEL ASSEMBLY FOR SRM</td>
</tr>
<tr>
<td>TWA4</td>
<td>WHEEL ASSEMBLY (ARM)- 4 WHEEL MOWER</td>
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<td>TWA66</td>
<td>WHEEL ASSEMBLY (ARM)- 4 WHEEL MOWER 5' &amp; 6'</td>
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<td>DCA21</td>
<td>WHEEL ADJUSTMENT STRAP</td>
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<tr>
<td>ROLL PIN</td>
<td>2&quot; X 5/16&quot; ROLL PIN FOR TAIL WHEEL FORK</td>
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<tr>
<td>COTTER PIN</td>
<td>3/16&quot; X 2&quot; COTTER PIN ZINC</td>
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<tr>
<td>FM100</td>
<td>8&quot; GAUGE WHEEL</td>
</tr>
<tr>
<td>AFB1</td>
<td>A FRAME BOTTOM SPACER</td>
</tr>
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</table>

MAINTENANCE SAFETY (CONTINUED)

- After servicing, be sure all tools, parts, and service equipment are removed from mower.
- Do not allow debris, grease, or oil to build up on any deck or platform.
- Never replace hex bolts with less than Grade 5 bolts unless otherwise specified, i.e. shear bolts. Refer to bolt torque chart for head identification marking.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. The manufacturer will not be responsible for injuries or damages caused by use of unapproved parts and/or accessories.
- A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this equipment.
- Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate the skin. Openings in the skin and minor cuts or susceptible to infection from hydraulic fluid. If injured by escaping hydraulic fluid, see a doctor at once. Gangrene and death can result. Without immediate medical treatment, serious infection and reactions can occur.

STORAGE SAFETY

- Following operation, or when unhooking the mower, stop the tractor, set the brakes, disengage the PTO, shut off the engine and remove the ignition keys.
- 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. Allowing the tongue to fall suddenly and unexpectedly could result in crushing injury. Use the tongue jack for lifting the mower only. Overloading the jack can cause failure with possible serious bodily injury or even death.
- Store the unit in an area away from human activity.
- Do not park equipment where it can be exposed to direct contact to livestock for long periods of time. Damage and livestock injury could result.
- Do not permit children to play on or around the stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.
Use extreme care and maintain minimum ground speed when transporting on hillside, over rough ground, and when operating close to ditches or fences. Be careful when turning sharp corners.

Never allow riders on either tractor or mower.

Use hardened hitch pins with retainers when attaching equipment to pull-type machines.

With pull-type models, use a safety chain to prevent unexpected separation.

**MAINTENANCE SAFETY**

Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.

Follow good shop practices.
- Keep service area clean and dry.
- Be sure electrical outlets and tools are properly grounded.
- Use adequate light for the job at hand.

Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.

Before working on this machine, disengage the PTO, shut off the engine, set the brakes, and remove the ignition keys.

Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.

Never work under equipment unless it is blocked securely.

Always use personal protection devices such as eye, hand and hearing protectors, when performing any service maintenance.

Frequently check mower blades. They should be sharp, free of nicks and cracks, and securely fastened.

Periodically tighten all bolts, nuts, and screws, and check that all cotter pins are properly installed to ensure unit is in a safe condition.

When completing a maintenance or service function, make sure all safety shields and devices are installed before placing unit in service.

Remove hydraulic pressure prior to doing any maintenance or disconnecting hydraulic line. Place the mower heads on the ground or securely block up, disengage the PTO, and turn off the engine. When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure. Push and pull the remote cylinder lever in and our several times.

INTRODUCTION

Thank you for purchasing a J Bar Rotary Mower. We hope you will enjoy years of productive use out of it.

Please read and understand this manual before operation. If you have any questions, contact your local dealer or J Bar Corporation.

**Information**

For your future reference in ordering parts, please fill out the following information now.

**Model # ______________________ Serial # ________________**

**Dealership where purchased ____________________________**

**Date purchased ____________________________**

**LIMITED PARTS WARRANTY**

J Bar Corporation offers a limited parts only warranty. Parts are warranted the later of 1 year from the date of dealer purchase or six (6) months after the sale. Warranty forms must be completed and a copy of the invoice attached before the claim can be processed. If within six months of the date of purchase your implement fails due to a defect in the material of the workmanship, we will supply a new part at no charge to replace the defective part. J Bar Corporation offers no reimbursement for labor on any warranty claim. J Bar products are not manufactured for commercial use. No warranty will be honored for commercial use.

Warranty parts are available through the J Bar implement dealer where you made your machine purchase.

**ADDITIONAL MANUALS**

If you have any questions not answered in this manual or require additional copies or the manual is damaged, contact your dealer or J Bar at jbarsales@live.com. Telephone 706-734-7351.
Important Safety Message
For Owners and Operators
Of Rotary Mowers

Safety is the manufacturer's primary concern in design, manufacture, sale, and use of rotary mowers.

In addition to the equipment design and configuration, hazard control and accident prevention are dependent upon the owner's and operator's awareness, concern, prudence, and proper training in the operation, transport, maintenance, and storage of equipment.

To be a qualified operator, read and understand the operator's manual and safety sign information and become familiar with the equipment before operating.

• Accidents have occurred by:
• Unqualified operators attempting to use rented or loaned rotary mowers.
• Being entangled in moving parts to drivelines by failure to maintain or to keep guards or shields in place over the exposed rotating parts.
• Hitting bystanders in area or failure to maintain or to keep discharge deflectors or guards in place.
• Riders or operators not using seatbelts, falling off machines and being run over by the equipment.
• Not stopping engines and allowing moving parts to stop before adjustments, repairs, or maintenance operations.
• Raised mower or wing falling on person working underneath by failure to securely support or block-up the mower.

Contact your dealer today to replace any missing or damaged driveline and discharge shielding or guard, safety signs and operator's manuals. Also, consider ROPS and seatbelt installation for non-equipped tractors.

Following these basic safety rules as well as others identified in the operator’s manual and equipment safety signs will help minimize accident possibility and increase equipment productivity.

Safety is important to responsible owners and operators of rotary mower equipment.

OPERATIONAL SAFETY (CONTINUED)

• Stop mower and tractor immediately upon striking an obstruction. Turn engine off, remove key, inspect and repair any damage before resuming operation.
• Stay alert for uneven terrain, holes, rocks, and roots in the terrain and other hidden hazards. Keep away from drop-offs and hazards that could cause roll over.
• Use extreme care and maintain minimum ground speed when transporting or operating on hillside, over rough ground and when operating close to ditches or fences. Be careful and slow down when turning sharp corners and changing direction on slopes. Do not start or stop suddenly on slopes. Avoid operation on steep slopes. In extremely uneven terrain, rear wheels weights, front tractor weight, and/or tire ballast should be used to improve stability. Pass diagonally through sharp dips and avoid sharp drops to prevent “hanging up” tractor and cutter. Practice will improve your skills in maneuvering rough terrain. Always cut down slopes; never across the face.
• When using a unit, a minimum 20% of tractor and equipment weight must be on tractor front wheels. Without this weight, tractor could tip over, causing personal injury or death. The weight may be attained with a front end loader, front wheel weights, ballast in tires or front tractor weights. When attaining a minimum of 20% of tractor and equipment weight on the front wheels, you must not exceed the ROPS weight certification. Weigh the tractor and equipment. Do not guess or estimate!

TRANSPORT SAFETY

• Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
• The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
• At all times, when driving the tractor and equipment on the road or highway under 20 mph (32kph) use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem. Do not exceed 20 mph (32 kph). Reduce speed on rough roads and surfaces.
• Plan your route to avoid heavy traffic.
• Always install transport locks, pins or brackets before transporting.
• Do not drink and drive!
• Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc. Watch for traffic when operating near or crossing roadways.
• 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 steerage. Slow down on rough or uneven surfaces.

Avoid Fall Off:
Operate only with ROPS and seatbelt equipped tractors.

Before Dismounting Tractor:
• Lower mower to ground
• Allow moving parts to stop
• Stop engine
• Set brake
• Remove key for unattended equipment

Rotating Blades and Driveline:
• KEEP AWAY
• Keep guards and shields in place.
• Keep guards and shields in good repair.
• Allow no riders on tractor or mower.
• Allow moving parts to stop before repair.

Thrown Objects Hazard:
• Keep deflectors and guards in place.
• Keep deflectors and guards in good repair.
• Before moving, clear moving area of debris.
• Do not mow with bystanders in area.

Raised Mower Hazard:
• Securely support mower before working underneath
• Lock up raised wings before transport.
• Do no mow in raised or transport position.

Highway Transport:
• Transport with clean reflectors, SMV and lights as required by Federal, State, and local laws.
OPERATIONAL SAFETY (CONTINUED)

• This rotary mower is designed for use only on tractors with 540/1000 RPM power take off.

• Install and secure all guards and shields before starting or operating. The chain guards, bands, flaps, driveline guard, tractor, and gearbox shields should be used and maintained in good working condition. They should be inspected carefully, at least daily, for missing or broken shields or guards. Missing, broken, or worn items must be replaced at once to reduce the possibility of injury from thrown objects or entanglement.

• Disengage power takeoff (PTO) and place transmission into neutral before attempting to start engine.

• 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. 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. Cut material higher at first, allowing cutter to clear hidden objects. Never assume an area is clear. Always Check!

• Always stop the tractor, disengage the PTO, set brake, shut off the tractor engine, remove the ignition key, lower implement to the ground and allow cutter blades to come to a complete stop before dismounting tractor. Never leave equipment unattended with the tractor running.

• Never place hands or feet under mower with tractor engine running or before you are sure all motion has stopped. Stay clear of all moving parts.

• Do not reach or place yourself under equipment until it is blocked securely.

• Do not allow riders on the rotary mower or tractor at any time. There is no safe place for any riders.

• Do not operate unless all personnel, livestock, and pets are several hundred feet away to prevent injury by thrown objects. Never direct discharge toward anyone.

• Never operate tractor and mower under trees with low hanging limbs. Operators can be knocked off the tractor and then run over by the rotating blades.

• The rotating parts of this machine have been designed and tested for rugged use. However, they could fall upon impact with heavy, solid objects such as steel guard rails and concrete abutments. Such impact could cause the broken objects to be thrown outward at very high velocities. To reduce the possibility of property damage, serious injury, or even death, never allow the cutting blades to contact such obstacles.
Safety of the operator and bystanders is one of the main concerns in designing and developing a mower. However, every year many accidents occur which could have been avoided by a few seconds of thoughts and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury or death, study the following precautions and insist those working with you, or for you, follow them.

In order to prove a better view, certain photographs or illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace the shields prior to use.

Replace any safety sign or instruction sign that is not readable or is missing. Location of such safety signs is indicated in this manual.

Never use alcoholic beverages or drugs which can hinder alertness or coordination while operating this equipment. Consult your doctor about operating this machine while taking prescription medications.

Under no circumstances should children under the age of 18 be allowed to work with this equipment. Do not allow person to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works. Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible, properly trained and physically able person familiar with farm machinery and trained in this equipment’s operations. If the elderly are assisting with farm work, their physical limitations need to be recognized and accommodated.

Use a tractor equipped with a Roll Over Protective System (ROPS).

Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question - DON’T TRY IT.

Do not modify the equipment in any way. Unauthorized modifications result in serious injury or death and may impair the function and life of the equipment.

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 personal involved in the operations, transport, maintenance, storage of the machine. Refer also to Safety Messages and operation instruction in each of the appropriate sections of the Tractor and Mower Manuals. Pay close attention to the Safety Signs affixed to the Tractor and the Mower.

Check the tractor master shield over the PTO stub shaft. Make sure it is in good condition and fastened securely to the tractor. Purchase a new shield if the old shield is damaged or missing. (You may have to use a tractor salvage yard for replacement parts on older tractors.)

All tractors that are not equipped with a “live” power takeoff (PTO) need to be equipped with an over-running PTO clutch. These are available through most farm equipment stores.

NOTE: The addition of an over-running PTO clutch may change the torque of the PTO driveline required. Pay extra attention to the instructions on PTO driveline installation. Be sure that the driveline system guarding is adequate.

Mower operating power is supplied from tractor PTO. Refer to your tractor manual for PTO engagement and disengagement instructions. Always operate PTO at 540/1000 RPM. Know how to stop tractor and mower quickly in case of an emergency.

When engaging PTO, the engine RPM should always be low. Once engaged and ready to start cutting, raise the PTO speed to 540/1000 RPM and maintain through cutting operation.

The use of this equipment is subject to certain hazards which cannot be protected against by mechanical means or product design. All operators of this equipment must read and understand this entire manual, paying particular attention to safety and operating instructions, prior to using. If there is something in this manual you do not understand, ask your supervisor, or your dealer, to explain it to you.

Most accidents occur because of neglect or carelessness. Keep all helpers and bystanders at least several hundred feet from an operating rotary mower. Only properly trained people should operate this machine.

When this machine is operated in populated areas or in other areas where thrown objects could injure persons or property, standard equipment safety chain shielding (which is designed to reduce the possibility of thrown objects) must be installed. If this machine is not equipped with full chain shielding, operation must be stopped when anyone comes within several hundred feet.

The majority of accidents involve entanglement on the driveline, injury of bystanders by objects thrown by rotating blades, and operators being knocked off the tractor by low hanging limbs and then being run over by the mower. Accidents are most likely to occur with machines that are loaned or rented to someone who has not read the owner’s manual and is not familiar with the mower.
PREPARATION

- Never operate the tractor and mower until you have read and completely understand this manual, the Tractor Operator’s Manual, and each of the Safety Messages found on the safety signs on the tractor and mower.
- Personal protection equipment including hard hat, safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintaining, repairing, removal, or moving the implement. Do not allow long hair, loose fitting clothing or jewelry to be around equipment.
- **PROLONGED EXPOSURE TO LOUD NOISE MAY CAUSE PERMANENT HEARING LOSS!** Tractors with or without Mowers attached can often be noisy enough to cause permanent, partial hearing loss. We recommend that you wear hearing protection on a full-time basis if the noise in the Operator’s position exceeds 80db. Noise over 85db on a long-term basis can cause severe hearing loss. Noise over 90db adjacent to the Operator over a long-term basis may cause permanent, total hearing loss. **NOTE:** Hearing loss from loud noise (from tractors, chain saws, radios, and other such sources close to the ear) is cumulative over a lifetime without hope of natural recovery.
- Operate the mower only with a tractor equipped with an approved Roll Over-Protective System (ROPS). Always wear your seat belt. Serious injury or even death could result from falling off the tractor, particularly during a turnover when the operator could be pinned under the ROPS or the tractor.
- Clear area to be cut of stones, branches, or other debris that might be thrown causing injury or damage.
- Operate only in daylight or good artificial light.
- Ensure mower is properly mounted, adjusted, and in good operating condition
- Ensure that all safety shielding and safety signs are properly installed and in good condition.

SAFETY SIGN LOCATIONS

The types of Safety Signs and locations on the equipment are shown in the illustration below. Good safety requires that you familiarize yourself with the various Safety Signs, the type of warning and the area, or particular function related to that area, that requires your SAFETY AWARENESS.

REMEmBER: If Safety Signs have been damaged, removed, become illegible or parts have been replaced without Signs, new Safety Signs must applied. New Safety Signs are available from your authorized dealer, distributor, or factory.
SAFETY SIGNS

- Keep safety signs cleaned legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replace parts that displayed a safety sign should also display the current sign.
- Safety signs are available from your authorized Distributor or Dealer Parts Department or the factory

How to Install Safety Signs:

- Be sure that the installation area on the equipment is clean and dry.
- Be sure temperature is above 50 degrees F (10 degrees C)
- Determine exact position before you remove the backing paper. (See Page 4)
- Remove the smallest portion of the split backing paper.
- Align the sign over the specified area and carefully press the small portion with exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.

SAFETY TRAINING

- Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator or bystander.
- In addition to the design and configuration of 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 this equipment.
- It has been said, “The best safety device is an informed, careful operator.” We ask you to be that kind of operator. It is the operator’s responsibility to read and understand ALL Safety and Operating instructions in the manual to follow these. Accidents can be avoided.
- Working with unfamiliar equipment can lead to careless injuries. Read this manual, and the manual for your tractor, before assembly or operating, to acquaint yourself with the machines. If this machine is used by any person other than yourself, or is loaned or rented, it is the rotary mower owner’s responsibility to make certain that the operator, prior to operating:

  1. Reads and understands the operator’s manuals
  2. Is instructed in safe and proper use

- Know your controls and how to stop tractor, engine, and mower quickly in an emergency. Read this manual and the one provided with your tractor.
- Train all new personnel and review instructions frequently with existing workers. Be certain only a properly trained and physically able person will operate machinery. A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death. If the elderly are assisting with farm work, their physical limitations need to be recognized and accommodated.