GENERAL INFORMATION ................................................................. A SECTION
F42K20 FUZION INFORMATION .................................................. A-1
FUZION BRIGGS & STRATTON QUICK REFERENCE SHEET .......... A-2
ENCORE WARRANTY INFORMATION ........................................ A-3
SAFETY PRECAUTIONS ............................................................... B SECTION
FUZION OPERATION................................................................. C SECTION
BEFORE OPERATING REMINDERS ............................................. C-1
ASSEMBLY INSTRUCTIONS ...................................................... C-1
STARTING ENGINE ................................................................. C-1
STOPPING ENGINE ................................................................. C-1
SAFETY INTERLOCK SYSTEM ................................................... C-2
CORRECT TRANSMISSION OPERATION ..................................... C-2
MOWING SPEED ..................................................................... C-2
MAINTENANCE INFORMATION ................................................ D SECTION
SERVICE LOCATOR CHART ....................................................... D-1
GENERAL INFO ................................................................. D-2
OIL AND FILTER ................................................................. D-2
TIREF PRESSURE ................................................................. D-2
LUBRICATION ................................................................. D-2
BATTERY INFORMATION ....................................................... D-2
DECK HEIGHT ADJUSTMENT ................................................... D-3
BELT ADJUSTMENT ............................................................... D-3
BYPASS VALVE ................................................................. D-3
DECK LEVELING ADJUSTMENT ............................................... D-4
TRACKING ADJUSTMENT ....................................................... D-4
MOWER BLADES ................................................................. D-4
ELECTRICAL ............................................................... E SECTION
F42K20 WIRE HARNESS SCHEMATIC ........................................ E-1
NOTES ................................................................. F SECTION

WARNING:
THE ENGINE EXHAUST FROM THIS PRODUCT
CONTAINS CHEMICALS KNOWN IN THE STATE
OF CALIFORNIA TO CAUSE CANCER, BIRTH
DEFECTS OR OTHER REPRODUCTIVE HAZARDS.

IMPORTANT:
A separate Engine Owner’s Manual is included with your owner’s packet which contains additional engine
information that will not be repeated in this manual. You are urged to read it before attempting any operation or
This manual covers the following equipment
doals:
F42K20

To the new owner

The purpose of this manual is to assist owners
and operators in maintaining and operating the
Encore Rider mower and deck. Please read it
carefully; information and instructions furnished
can help you achieve years of dependable service.
A separate Engine Owner’s Manual is included
with your owner’s packet which contains additional
engine information that will not be repeated in
this manual. You are urged to read it before
attempting any operation or repair of the engine.
The Engine Owner’s Manual covers the engine
manufactures warranty.

It is the owner’s responsibility to make certain
that the operator reads and understands this
manual and all decals before operating this
machine. It is also the owner’s responsibility to
make certain that the operator is a qualified and
physically able individual, properly trained in the
operation of this equipment, and the unit is propery
serviced before operating. Local regulations may
restrict the age of the operator.

Using this manual

General operation, adjustment and maintenance
guidance is outlined for both the experienced
and novice Encore user. Operating conditions
vary considerably and cannot all be addressed
individually. Through experience, however,
operators should find no difficulty in developing
good operating skills suitable to most conditions.
Directions used in this manual, for example RIGHT
or LEFT, refer to directions when seated on the
mower facing forward unless otherwise stated.
Photographs and illustrations used were current
at the time of printing, but subsequent production
changes may cause your machine to vary slightly
in detail. ENCORE MFG. A DIVISION OF
WORLDLAWN POWER EQUIPMENT, INC.
reserves the right to redesign and change the
machine as deemed necessary, without notification.

Warranty Registration

The Delivery and Warranty Registration form
must be completed and signed to validate your
warranty protection. As the new equipment owner,
you are expected to see that the form is completed
and forwarded to ENCORE MFG. A DIVISION OF
WORLDLAWN POWER EQUIPMENT, INC. at
time of delivery.

IMPORTANT: Any unauthorized modification,
alteration, or use of non-approved attachments
voids the warranty and releases ENCORE
MFG. A DIVISION OF WORLDLAWN POWER
EQUIPMENT, INC. from any liability arising from
subsequent use of this equipment.

Model and Serial Number

Mower model and serial number are found on the
serial tag, located on the seat frame directly under
the seat plate.

These numbers are required on the Warranty
Registration form. They will also assure you of the
correct service parts when replacement becomes
necessary.

Parts and Service

Use original Encore replacement parts only.
These parts are available through your local
Encore dealer. To obtain prompt, efficient service,
always provide the following information when
ordering parts:
1. Correct part number and description
2. Correct model number
3. Correct serial number

All warranty repair and service must be
handled through an authorized Encore dealer.
Arrangements should be made through your local
service center.

For location of nearest dealer look up our dealer
search on our website: www.seriousred.com or
www.encoreequipment.com
## Quick Reference Sheet

### Engine
20hp Kawasaki electric FH54V-BS31R

### Torque Specs
- **65 ft-lbs**: blade bolt
- **90 ft-lbs**: nut on top of spindle
- **50 ft-lbs**: clutch bolt

### Blades
- **423029**: 14” blade
- **423014**: 14” low lift blade
- **423173**: 14” mulch blade
- **423210**: 14” super hi-lift blade

### Pulleys
- **423262**: spindle pulley
- **523329**: stationary idler pulleys
- **533114**: tensioner pulley-blade drive belt
- **823351**: pump tensioner pulley
- **353101**: pump drive pulley

### Blades
- **423029**: 14” blade
- **423014**: 14” low lift blade
- **423173**: 14” mulch blade
- **423210**: 14” super hi-lift blade

### Belts
- **353114**: blade drive belt
- **353112**: pump drive belt

### Front Caster Bearings
- **423200**: bearing
- **423201**: bearing retainer

### Tires
- **353126**: wheel/tire assy
- **353148**: drive tire (18x7.5x8)
- **353149**: rim w/ valvestem
- **363311**: front caster complete
- **363260**: front tire & tube (4.10/3.50-4)
  * * * *: front rim not serviced

### Spindles
- **583106**: spindle assy comp.
- **583111**: housing
- **363350**: bearing
- **583112**: shaft
- **583113**: brg. Spacer tube

### Transmission
- **353127**: RH EZT transaxle (Hydro-Gear Model # ZC-BPBB-XYLB-1NPA)
- **353128**: LH EZT transaxle (Hydro-Gear Model # ZC-DPBB-XYLC-1NPA)

*** lifetime lubricated transaxes

### Seat
- **353098**: seat complete w/o tracks
- **593097**: molded arm rest

### Throttle
- **363352**:

### Choke
- **523037**:

### Muffler
- **353179**:

### Wire Harness
- **353132**:

### Pigtail Harness
- **353180**:

### Clutch
- **423285**:

### Electrical Components
- **423027**: Ignition Switch
- **422150**: Starter Relay
- **583423**: Time Delay Module
- **583351**: Relay
- **523034**: Park Brake Switch
- **593041**: Neutral Switch
- **523031**: PTO Switch
- **353048**: Seat Switch
- **523283**: Hour Meter
Fuzion Series Mower

Limited Warranty:
Encore Manufacturing, a Division of Worldlawn Power Equipment, Inc, (“Encore”) warrants that the Fuzion Series mower (“Mower”), purchased from an Authorized Encore Dealer, will be free from defects in material and workmanship for a period of three years residential from the original date of purchase (see details below). Encore also warrants the Mower’s deck shell will be free from defects in material and workmanship for a period of ten years commercial/residential from the original date of purchase (see details below). During the limited warranty period, Encore will repair or replace, at its discretion, any Mower or part thereof which is found to be defective in material and workmanship. This limited warranty specifically excludes wear items, included but not limited to belts, blades, and tires. This limited warranty also specifically excludes parts covered by another manufacturer’s warranty, which parts are covered only by that manufacturer’s warranty.

This limited warranty extends only to the original retail purchaser (“Owner”) of a Mower. This limited warranty may not be assigned or transferred without prior express written consent of Encore Manufacturing, a Division of Worldlawn Power Equipment, Inc. This limited warranty extends only to those Mowers purchased for private residential use. A Mower purchased for any other reason, for example as a commercial or rental unit, shall have a (90) day limited warranty under the same terms and conditions as set forth herein.

Proof of purchase will be required to substantiate all warranty claims. All warranty work must be performed by an Authorized Encore Dealer. Any work done on or to the Mower by anyone other than an Authorized Encore Dealer, including the original purchaser, voids all provisions of the warranty except those provisions which limit Encore’s liability (as set forth below).

Any Mower or part thereof which, in Encore’s sole discretion, is deemed defective shall be repaired or replaced, at Encore’s option, without charge for parts or labor up to three years of the original date of purchase. Any Mower deck shell or part thereof which, in Encore’s sole discretion, is deemed defective shall be repaired or replaced, at Encore’s option, without charge for parts or labor for the first five years of the original date of purchase, and without charge for parts only for years six through ten from the original date of purchase. To take advantage of this limited warranty, the Mower must be returned to an Authorized Encore Dealer within the warranty period. The cost of delivering the Mower to the Authorized Dealer and return delivery shall be the responsibility of the Owner.

Encore’s sole responsibility with any claim made under this warranty is limited only to repairing or replacing the Mower or a defective part thereof, and no claim of breach of warranty shall be cause for rescission, cancellation, or voiding the contract of sale of the Mower.

This limited warranty does not extend to any Mower or part thereof which has been misused, neglected, damaged, abused, not properly installed or maintained, altered or which has been operated in any way contrary to the operating instructions as specified in the Owner/Operator Manual. This limited warranty does not extend to any repair or replacement made necessary by normal use. This limited warranty does not extend to the engine which is warranted separately by the engine manufacturer.

THE WARRANTY EXPRESSED HEREIN IS IN LIEU OF OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, AND IS IN LIEU OF ANY AND ALL OTHER OBLIGATIONS OR LIABILITY ON WORLDLAWN’S PART.

UNDER ANY AND ALL CIRCUMSTANCES, ENCORE’S TOTAL LIABILITY TO OWNER FOR ANY AND ALL CLAIMS, LOSSES OR DAMAGES, INCLUDING LOSS OF PROFITS, ARISING OUT OF ANY CAUSE WHATSOEVER, WHETHER BASED IN CONTRACT, NEGLIGENCE OR OTHER TORT, STRICT LIABILITY, BREACH OF WARRANTY OR OTHERWISE, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE MOWER. IN NO EVENT SHALL BE RESPONSIBLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES.
Your mower is only as safe as the operator! Operator carelessness or error may result in serious bodily injury. Improper maintenance of the machine may also result in injury. Please read and follow these instructions on Safe Operation and be certain that anyone using this mower fully understands and follows these instructions. Instructions are from ANSI Standard B17.4-2004.

1. Familiarize yourself with the controls and know how to stop the rider and mower deck quickly.

**WARNING:**
DO NOT allow children to operate the machine. DO NOT allow any adult to operate the machine without proper instruction.

2. Inspect your work area carefully. Remove debris from the area to be cut. Keep all bystanders away from the mowing area.

3. Avoid contact with moving parts. Keep hands and feet clear of the mower deck.

4. Never direct the discharge of material toward bystanders or allow anyone near the machine while in operation.

5. The machine is not intended for highway or street use. Never carry passengers!

6. Never tamper with safety devices or guards. If a guard or safety device is damaged or removed, replace it before operating the rider.

**CAUTION:**
Never add fuel to the tank while the engine is running or hot. ALWAYS WAIT at least five minutes before refueling and REFUEL WITH THE ENGINE OFF. KEEP FUEL AWAY FROM SPARKS OR FLAMES. WIPE AWAY any fuel spillage BEFORE starting unit. Never fill the fuel tank indoors. Wipe up any spilled gasoline. Gasoline is highly flammable - NO SMOKING.

7. Handle gasoline carefully. Use an approved gasoline container. Fill the fuel tank, to within 1" from the neck, with good quality unleaded gasoline.

8. Seat must be occupied and drive levers must be in the Neutral position and the Blade Clutch must be disengaged before starting engine.

9. Operator must wear proper shoes and clothing, which may include safety glasses and ear protection.

10. Mow only during daylight hours or under very good artificial light.

11. The safety shield over the Grass Discharge area must always be bolted in place and in the DOWN position unless the Grass Catcher is being used.

12. If a solid object has been hit by the blades stop the machine and check for damage. Repair or replace any damaged / broken part prior to restarting the engine.

13. To avoid burns, DO NOT TOUCH the engine or muffler immediately after operation or during.

14. Disengage blades when transporting and when crossing walks and gravel roads.

15. DO NOT mow close to drop-offs, deep ditches or other hazards. DO NOT attempt to mow slopes greater than 15°. Always mow across the face of a slope NOT up and down.

16. Reduce speed and exercise extreme caution on slopes and in sharp turns to prevent tipping or loss of control. Be especially cautious when changing direction on slopes.

17. The Encore Rider is NOT designed for towing.

18. Only factory approved Grass Collection Systems are permitted.

19. Shut off fuel while storing or transporting. Do Not store fuel near flames or drain indoors.
Before Operating - Reminders

Fill engine crankcase as per engine manufacturer’s manual. **ENGINE DOES NOT HAVE OIL IN CRANKCASE FROM THE FACTORY.** Add proper fuel to fuel tank, open shut-off valve. The battery is a gel-cell and will not require acid. Before hooking up the ground wires make sure that the engine has been filled to the proper level with oil. If battery will not turn the engine over after hooking the wires up it may require a charge for 15 to 20 minutes.

ASSEMBLY INSTRUCTIONS

1. Remove unit from the crate.
2. Remove seat from packing. Remove the 5/16 x 3/4 bolts and disc spring washers from the seat plate. Attached seat to the seat plate using these same bolts and tighten.
3. Plug in the seat switch.
4. Connect the ground wire to the battery using the bolt on the negative battery post.
5. Remove the 5/16 x 1 1/4 bolts from the top side of the handle mounts. Rotate the handle to match up the holes, re-install the bolts and tighten.
8. Check all tire pressures.

STARTING ENGINE

The throttle control, ignition switch and choke control are located between the motion control levers on the front panel under the front of the seat. Because of a built-in safety interlock system, your machine will not start unless the seat is occupied.

**TO START ENGINE:** occupy seat, set park brake, leave the motion control levers swung out, move throttle control lever all the way to choke position. Turn ignition key to start position to engage starter, release the key when engine starts. Ignition switch is spring loaded and will return to run position automatically. Slowly return choke to run position once the engine has started.

STOPPING ENGINE

**TO STOP ENGINE:** move throttle lever to idle position and turn ignition key to “OFF” position. If engine has been working hard or is hot, allow engine to idle for a short period of time before turning off key. This practice will help cool engine before stopping.

**IN CASE OF EMERGENCY** engine may be stopped by turning ignition key to “OFF” position.

!!! WARNING:

**DO NOT** allow children to operate the machine. **DO NOT** allow any adult to operate the machine without proper instruction.

!!! WARNING:

THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN IN THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HAZARDS.

!!! CAUTION:

Always remove the key and set the parking brake when leaving the machine unattended, even for just a few minutes.

**PREVENT ACCIDENTS:** Do not give children or unauthorized persons an opportunity to operate this machine.
SAFETY INTERLOCK SYSTEM

Your Encore Rider is equipped with a Safety Interlock System that is designed to help prevent possible serious injuries. Understanding and maintaining this system is vital for maximum safe operation.

TO START ENGINE:
1. Blades (PTO) must be "OFF".
2. Control levers in neutral (swung out).
3. Park Brake "ON".
4. Operator in seat.

THE ENGINE WILL KILL IF:
1. The operator leaves the seat with:
   a. The control levers out of neutral (swung in).
   b. The blades on (PTO).
   c. The park brake is "OFF".
   d. All the above.
2. The park brake is set before the control levers are in neutral (swung out).

MOWING SPEED

The Encore Rider is designed to operate most efficiently at maximum blade speeds. The running speed of the machine should allow the mower blades to maintain this maximum speed while mowing across turf. Use a slower ground speed for cutting tall grass, grass which is heavy with moisture, or when mowing uphill. If ground speed is too fast, or blade speed is too slow, mowing will be uneven because mower blades will not be able to lift grass into cutting position as the mower passes.

Throttle control regulates speed of engine as measured in RPM. This control SHOULD NOT be used to control ground speed.

CORRECT TRANSMISSION OPERATION TO GO FORWARD OR REVERSE

The Encore Rider is equipped with a pump/wheel motor unit for each wheel and are controlled with "Motion Control Levers", one for each wheel. See Figure 1

AS SETTING IN THE DRIVER'S SEAT

<table>
<thead>
<tr>
<th>Forward Travel</th>
<th>Pivot Turn</th>
<th>Forward Travel Right Turn</th>
<th>Reverse Travel Right Turn</th>
<th>Reverse Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push both levers forward evenly</td>
<td>Push one lever forward and other lever pull back</td>
<td>Push left lever forward more than the right lever</td>
<td>Pull left lever back more than right lever</td>
<td>Pull back both levers evenly</td>
</tr>
</tbody>
</table>

N = Neutral or Stopped Travel [ Return both levers evenly to the neutral position. ]

Direction of arrows indicate direction of machine travel.

The further the levers are moved away from the neutral position, the faster the machine will travel.

To turn the mower LEFT or RIGHT, slow the speed of the wheel in the direction you want to turn.

To CHANGE DIRECTION, slowly move levers to neutral and move the lever forward in the direction of travel you want to go.
1. Front Caster Wheel Bearings (2)
2. Front Caster Pivot Bearing Zerks (2)
3. Engine Oil Fill & Dipstick
4. Hour Meter
5. Engine Air Filter
6. Engine Oil Filter
7. Fuel Tank
8. Engine Fuel Filter
9. Fuel Shut-off Valve
10. Fuel Tank w/ Cup Holder
11. Hydraulic Bypass
12. Engine Vent Screen
13. Drive Tires
14. Pump Belt (353112)
15. Blade Drive Belt (353114)
16. Front Casters Wheels
17. 14" Blade (423029)
18. Located inside the seat frame under operators seat:
   1. Time delay module
   2. Relays
   3. Fuse Block
   4. Start Relay
   5. Battery
MAINTENANCE INFO

1. Do not adjust mower or change attachments unless the engine has been stopped and the key has been removed.
2. Good maintenance, wiping up gasoline and oil spills, will reduce potential fire hazards.
3. To insure that the mower will remain in safe operating condition, check and tighten all bolts, nuts and screws. Especially make certain the blade bolt/nuts are always tightened properly.
4. Never adjust governor on engine to a faster speed. The engine manufacturer adjusts the engine RPM to the proper setting.
5. Allow time for the engine to cool down prior to storing mower. Do not store mower or gasoline near any open flame or where gasoline fumes may be ignited.
6. Always replace worn or broken parts with genuine Encore repair parts purchased from an authorized Encore dealer. Using anything other than Encore repair parts may void all Encore factory warranties.

OIL AND FILTER

Since the hydraulic drives on the Encore Rider are lifetime lubricated there are no required filter and or oil changes required. Please refer to the engine manual for engine lubrication recommendations.

CAUTION:
DO NOT SPILL OIL OR GREASE ON BELTS.

TIRE PRESSURE

This vehicle has been designed to achieve maximum operator comfort and ride. This cannot be achieved without proper tire pressure. A low pressure gauge is required to check the front tires.

Front Tires - 14 PSI
Rear Tires - 20 PSI

NOTES:
The Encore Rider is driven and steered by the rear wheels.
REAR TIRE CIRCUMFERENCE DIRECTLY EFFECTS THE TRACKING OF THE MACHINE.
If the machine will not drive in a straight line, check air pressure and adjust accordingly.

Lubrication

The following recommendations on lubrication chart below should be adhered to. Environmental conditions may be cause to vary frequency. Grease points are pointed out in Figure 2.

<table>
<thead>
<tr>
<th>Description of Maintenance Task</th>
<th>Service Intervals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blades - sharpen &amp; securely fastened to 65 ft-lbs</td>
<td>Every 10 hours</td>
</tr>
<tr>
<td>Check fuel level</td>
<td>Daily</td>
</tr>
<tr>
<td>Discharge chute - securely in place &amp; in lowest position</td>
<td>Daily</td>
</tr>
<tr>
<td>Verify safety start interlock system</td>
<td>Daily</td>
</tr>
<tr>
<td>Visually inspect tires</td>
<td>Daily</td>
</tr>
<tr>
<td>Visually inspect unit for loose hardware and/or damaged parts</td>
<td>Daily</td>
</tr>
<tr>
<td>Check battery connections</td>
<td>Every 50 hours</td>
</tr>
<tr>
<td>Check tire pressure with a guage</td>
<td>Every 50 hours</td>
</tr>
<tr>
<td>Check pump drive belt tension &amp; condition</td>
<td>Every 100 hours</td>
</tr>
<tr>
<td>Check blade drive belt tension &amp; condition</td>
<td>Every 100 hours</td>
</tr>
<tr>
<td>Check deck drive belt tension &amp; condition</td>
<td>Every 100 hours</td>
</tr>
<tr>
<td>Tighten lug nuts on wheels</td>
<td>Every 100 hours</td>
</tr>
<tr>
<td>Check oil level in engine</td>
<td>See Note A</td>
</tr>
<tr>
<td>Change engine oil &amp; filter</td>
<td>See Note A</td>
</tr>
<tr>
<td>Change fuel filter</td>
<td>See Note A</td>
</tr>
<tr>
<td>Clean air intake screen</td>
<td>See Note A</td>
</tr>
<tr>
<td>Clean cylinder / head fins</td>
<td>See Note A</td>
</tr>
<tr>
<td>Clean foam element</td>
<td>See Note A</td>
</tr>
<tr>
<td>Clean paper element</td>
<td>See Note A</td>
</tr>
<tr>
<td>Replace air cleaner paper element</td>
<td>See Note A</td>
</tr>
<tr>
<td>Clean and regap or replace spark plugs</td>
<td>See Note A</td>
</tr>
</tbody>
</table>

Note:
A. Refer to Supplied Engine Manufactures Owner’s Manual for all maintance and engine manufactures warranty policy information

BATTERY

The battery is located under the seat of the machine. The gel-cell battery is maintenance free.

CAUTION:
When servicing the battery or any other part of the electrical system, or if the battery must be removed for any reason, always, disconnect negative (ground) cable FIRST and reconnect it LAST to avoid possibility of electrical shorts.

At temperatures below 32° F (0° C), full charge state must be maintained to prevent cell electrolyte from freezing and causing permanent battery damage.

For longest service life, battery should be kept clean by wiping it off with a paper towel. Any corrosion around battery should be removed by applying a solution of one part baking soda to four parts water. A light coating of grease or petroleum jelly may be applied to all exposed terminal surfaces to prevent corrosion.
Belt Adjustment

Remove key from the ignition switch. The blade drive belt may be accessed by removing belt shields. Spring tension should be maintained by having approximately 1/8” stretch between coils. Turning the nut on the eyebolt clockwise will decrease tension. When installing a blade drive belt please refer to figure 3 for routing the blade drive belt. The pump belt may be accessed from under the rear chassis. The pump belt is removed by unhooking the tensioner spring to provide slack in the belt for removal. When installing a pump belt please refer to figure 4 for the routing the pump belt.

Deck Height Adjustment

Height of cut positions are drilled at 1/2 inch increments. To add 1/4 inch to the setting you must first remove the #4 hairpin cotter, pull pin and rotate the tab to the vertical position. The foot pedal must be depressed slightly in order to replace the pin in tab. See Fig. 5

Bypass Valve

In some applications, it is desirable to move the machine for short distances at low speeds without operating the engine. See Fig. 6
DECK LEVELING ADJUSTMENT

Before checking the deck level make sure that tire pressures are at the proper level. Begin by setting the deck to a fixed position and pointing the blades to the front edge of the deck.

Measuring from the blade to the ground on each side of the deck will give the best reading. To adjust deck position loosen the bolt on the deck hanger bracket and move bolt in the slot either up or down depending which way you need to move the deck. You should always maintain at least a 1/8 inch of deck pitch from front to back. Also all four chains must support the deck equally or must have equal tension on them.

Tracking Adjustment

Before adjusting the tracking you must be sure that the tire pressures are equal. If the machine will not track straight on a flat surface it may be adjusted by moving the stop bolt (located by either control arm) clockwise to increase ground speed and counter clockwise to decrease ground speed. Normally only one side is adjusted to match the ground speed of the other pump.

Mower Blades

Check sharpness of mower blades after every 10 hours of operation. To sharpen blades proceed as follows:

- Block front end of mower up or run front up on ramps.
- Remove blade by turning bolt counter clockwise.
- Blades should be discarded when worn excessively. See Sketch.
- Sharpen blade with a hand file, electric grinder or blade sharpener. Wear gloves and eye protection when sharpening. Grind blade at original bevel.
- Check balance of blade by positioning the blade on a nail or blade balance pedestal. Grind the blade on the end that is heavier until both sides balance.
- Do not wear loose fitting clothing which could get caught in moving parts. Always be sure to wear adequate protective clothing. Wearing safety glasses and safety shoes is advisable.
- Reinstall blades. Refer to Figure 9 for further information.

Important Note:
Cup side of spring washer goes against blade.

---

CAUTION:
TURN OFF ENGINE AND REMOVE KEY BEFORE MAKING ANY ADJUSTMENTS.

- Block front end of mower up or run front up on ramps.
- Remove blade by turning bolt counter clockwise.
- Blades should be discarded when worn excessively. See Sketch.
- Sharpen blade with a hand file, electric grinder or blade sharpener. Wear gloves and eye protection when sharpening. Grind blade at original bevel.
- Check balance of blade by positioning the blade on a nail or blade balance pedestal. Grind the blade on the end that is heavier until both sides balance.
- Do not wear loose fitting clothing which could get caught in moving parts. Always be sure to wear adequate protective clothing. Wearing safety glasses and safety shoes is advisable.
- Reinstall blades. Refer to Figure 9 for further information.

---

Important Note:
Cup side of spring washer goes against blade.

Blade Bolt
Spring Washer

Figure 9