



WORLDLAWN®

WY 48 FS 48 1 V

OPERATORS MANUAL

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.

1. Familiarize yourself with the controls and know how to stop this mower.



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 and all moving parts.
4. Never direct the discharge of material toward bystanders nor allow anyone near the machine while in operation.
5. Never tamper with safety devices or guards. If a guard or safety device is damaged or removed, replace it before operating the mower.
6. Handle gasoline carefully: use an approved gasoline container; fill the fuel tank to the bottom of the drop tube with good quality unleaded gasoline. Operator must wear proper shoes and clothing, which may also include safety glasses and ear protection.
7. Mow only during daylight hours or under very good artificial light.
8. Do NOT mow in slippery conditions, keep a firm grip on the handle bars, NEVER RUN.
9. The safety shield over the grass discharge must always be bolted in place and in the down position unless the grass catcher back plate is completely installed.
10. Do NOT leave the operator position unless the engine has been killed and blades have stopped.
11. If a solid object has been hit by the blades, stop the machine and check for damage. Repair or replace damaged/broken part(s) prior to restarting the engine.
12. Do NOT allow anyone to stand or walk on the grass discharge side of the mower when the mower is in operation.
13. Do NOT mow close to drop-offs, deep ditches or other hazards. Mow hillsides very carefully by mowing across the face of slopes, not up or down. Do NOT mow on steep slopes.
14. To avoid burns, DO NOT TOUCH the engine or muffler immediately after operation.



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.

SPECIFICATIONS

Belt Tension Guide

Belt	Inch Deflection	How to Adjust
Engine to Deck	1/2"	Turnbuckle at Idler
Transmission Belt	1/2"	Sliding Idler
Right Blade Drive Belt	1/2"	Threaded Rod to Idler
	(48", 52", And 60" only)	
Wheel Drive	1/2"	Self-Adjusting

Assembly Instructions

1. Remove inner parts box and handle from crate. Remove outside frame work so that the mower is setting on the pallet.
2. On a 36" mower, use 3 – 5/16" X 1 3/4" bolts and 3 – 5/16" whizlocks and bolt the bumper into place. (On the 48" there are 4 - bumper bolts required.) The whizlocks should go to the inside of the deck.

When assembling a 48" mower, make sure that the bumper is flush with the deck on both ends of the bumper.

3. Using 6 – 3/8" X 1" bolts (3 – used for each caster) and 6 – 3/8" whizlock nuts, bolt the casters into place. Position whizlock nuts to the inside of the deck.
4. Using 2 – 5/16" X 1" bolts with 2 – 5/16" flat washers and 2 – 15/16" nyloc nuts, take the shifter lever with grip and bolt onto the top side of the shifter bracket on the transmission. Place the 5/16" flat washers on the slotted hole side of the shifter bracket under the 5/16" nut. Position the shift lever so that it slides freely along the top side of the shifter plate but still hits the stop for reverse.
5. Mount the gas tank using the 2 – nylon hold down straps, pulling tension on the buckles until secure. Attach the fuel supply from the tank to fuel filter on the engine. Attach vapor recovery line on engine to the vent barb on the tank, Secure all connections with hose clamps.

6. Using the remaining 4 - 3/8" X 1" bolts and the 4 – 3/8" nyloc nuts, bolt the

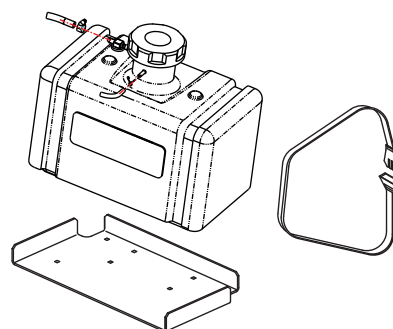


Fig. 1

upper handle into position. (Remember that there are 3 – height settings for the handle for operator comfort.) Route the wiring harness along the handle, plugging it into the blade control switch, using the screws to attach the harness to the Operator Presence Control switch. There is not a specific color for hooking up the harness.

Assembly Instructions

7. Using drive rods provided, turn them into the 5/16" swivel located in the left and right hand idler engagement bracket. Adjust the rods so that there is approximately 1/4" to 3/8" between the rod and the bottom of the thumb latch. Rods should be locked in place by using 4 – hair pin cotters and by placing a 5/16" flat washer to be inside of the drive handle between the drive lever and hair pin cotter. (See fig.2)
8. With the thumb latches locked in the neutral position, adjust the brake swivel until you feel a slight resistance when hooking it back to the idler assembly. Remember with thumb locks in the neutral position, you should be able to free wheel the machine. When the thumb locks are rotated all the way to the lock position, the brake should lock the wheel. At this time, you may also hook up the blade engagement rod, adjusting the length of the rod so the bell crank will not bottom out in the slot.

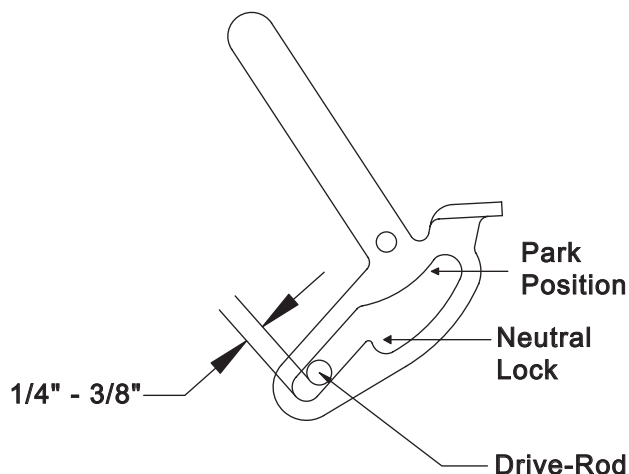


Fig. 2

9. At this point, oil and fuel engine. Make sure that the air pressures in the rear tires are equal at (12 psi). Adjust the front tire pressures to (20 psi). Your mower is now ready for use.

Final Check / Adjustment

1. Adjust the brake control rod to obtain "free wheeling" with the drive levers in the neutral position and positive braking when the drive levers are squeezed close to the handle grips. Shorten the effective length of the brake rod to increase braking.
2. Check air pressure in drive wheels (12 psi) and caster wheels (20psi). This is critical for appropriate mower tracking.
3. Check for proper belt tension (see belt tension guide).
4. After a 10 hour "Break-In" period go through steps 1 thru 3.
5. Proper adjustments must be maintained to insure safe, trouble free, long life operation of the mower. After completing the foregoing instructions and recommended procedures you are ready to put the mower into operation.



CAUTION:

Excessive belt tension may cause damage!!

Before Operating

- Know your machine top to bottom.
 - Make certain all safety standards and instructions have been fully read and understood.
 - Be acquainted with all “SAFETY INSTRUCTIONS” in this manual – to start.
1. Fill the fuel tank and open the fuel valve.
 2. Shift the transmission to neutral.
 3. Blades engagement lever must be in the “Off” position or back.
 4. Thumb latches need to be in the “Neutral Lock” position.
 5. Choke the engine as required and start.
 6. After engine is running, push blade engagement lever forward to engage blades.
 7. Shift the transmission to the desired gear (1 thru 4) for mowing, 5th gear is for transport only.
 8. Squeeze the control levers and push forward on the thumb latches to unlock the levers. Slowly release control levers to engage the drive wheels.
 9. In a normal mode the mower will travel in a straight line. To turn; squeeze the drive lever on the side in which you want to turn.
 10. To STOP forward motion, squeeze both drive levers, lock thumb latches and shift the transmission to neutral.
 11. This unit is equipped with “Operator Presence Controls” on the upper handle. When the operator leaves the operator position removing both hands from the “Operator Presence Control” levers it will cause the engine to shutdown.

THIS FEATURE IS FOR YOUR SAFETY!



CAUTION:

Machine must be at a full “STOP” before shifting from forward to reverse or from reverse to forward. Failure to do so may result in personal injury and/or damage to the transmission.



WARNING:

FAILURE TO FOLLOW THE PREVIOUS INSTRUCTIONS MAY RESULT IN SEVERE BODILY INJURY OR MECHANICAL FAILURE.

HEIGHT ADJUSTMENT

REAR DECK MOUNT IN HIGHEST POSITION

- (5) spacers on top of caster arm = 1 7/8" to 3 1/8"
- (4) spacers on top of caster arm = 2 1/8" to 3 3/8"
- (3) spacers on top of caster arm = 2 1/2" to 3 3/4"
- (2) spacers on top of caster arm = 2 5/8" to 3 7/8"
- (1) spacer on top of caster arm = 2 7/8" to 4 1/8"
- All spacers under caster arm = 3 1/4" to 1 1/2"

REAR DECK MOUNT IN LOWEST POSITION

- (5) spacers on top of caster arm = 1 1/2" to 2 3/4"
- (4) spacers on top of caster arm = 1 3/4" to 3"
- (3) spacers on top of caster arm = 2" to 3 1/4"
- (2) spacers on top of caster arm = 2 3/8" to 3 3/8"
- (1) spacer on top of caster arm = 2 5/8" to 3 7/8"
- All spacers under caster arm = 2 7/8" to 4 1/8"

NOTE: Use 1/4" blade spacers to achieve cutting height between the above measurements.

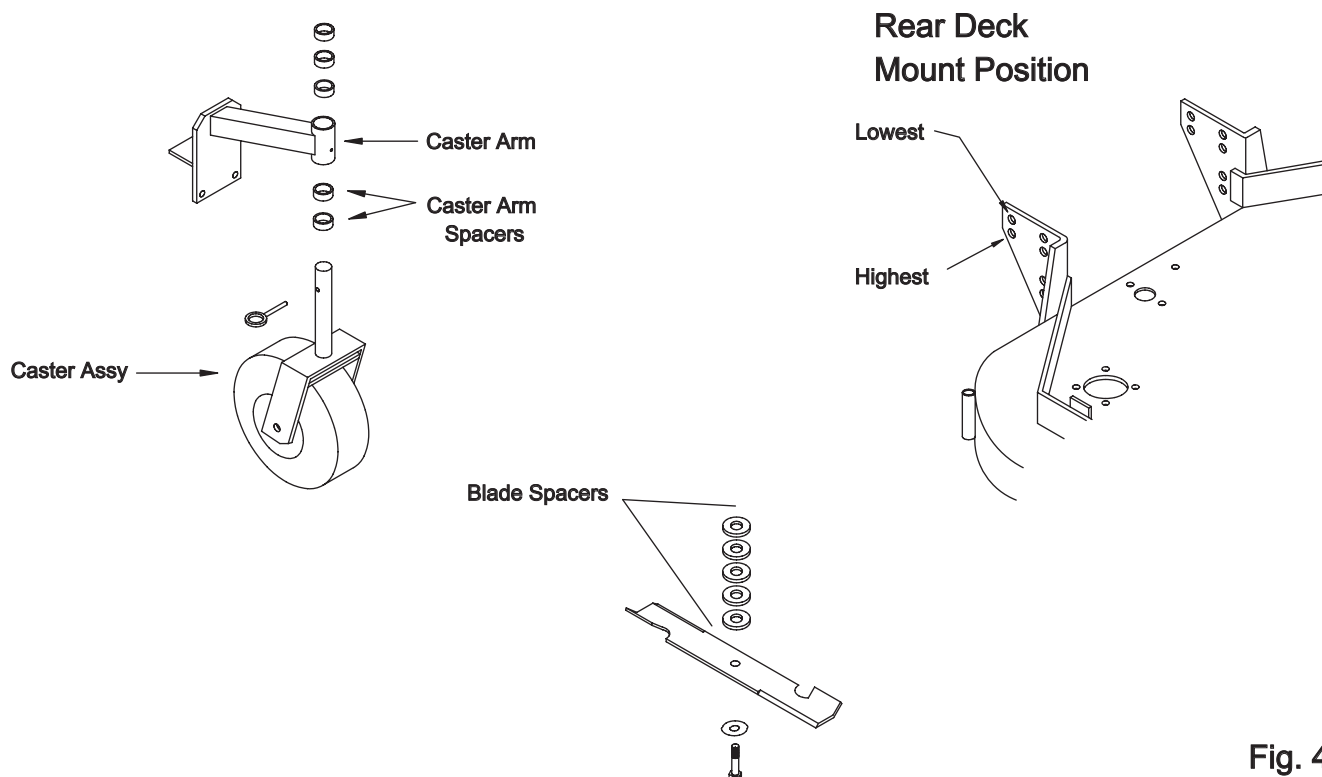


Fig. 4

LUBRICATION / MAINTENANCE

The following recommendations should be used to ensure proper and safe operation of the mower.

LUBRICATION / MAINTENANCE

LUBRICATION

Grease Daily:

Idler Arm

Caster Wheels and Caster Pivots

Drive Wheels

Grease Every 100 Hours:

Bell Crank Pivot Bearing

NOTE:

The Peerless Transmission is "LIFETIME LUBRICATED". If service is required, contact an authorized Peerless Dealer or Repair Center.

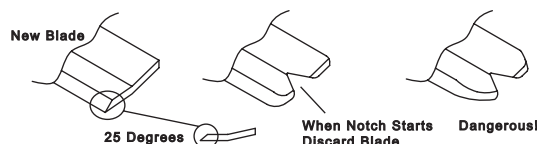
MAINTENANCE

1. Engine: For complete maintenance and operating information for your engine, please refer to your engine operating and maintenance manual provided by the engine manufacturer.
2. Belts: The drive and deck belts should be checked and adjusted after the first 10 hours of use and then every 50 hours from that point on.
3. Tires: Correct tire pressure is essential for efficient operation of the mower.
4. Check tire air pressure periodically. Inflate tires to the pressures listed:
Drive Wheels = 12 psi
Caster Wheels = 20 psi



CAUTION:

DO NOT ADJUST OR CHANGE ATTACHMENTS UNLESS SPARK PLUG WIRE HAS BEEN DISCONNECTED AND THE ENGINE HAS STOPPED.



5. Mower Blades: Check sharpness of mower blades after every 10 hours of operation.

To sharpen blades proceed as follows:

- Block the front end of the mower up or run front end up on ramps
- Remove blade by turning bolt counter clockwise.
- 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.
- Reinstall blades.

6. BATTERY:

See battery manufacturer's instructions for proper maintenance of battery.



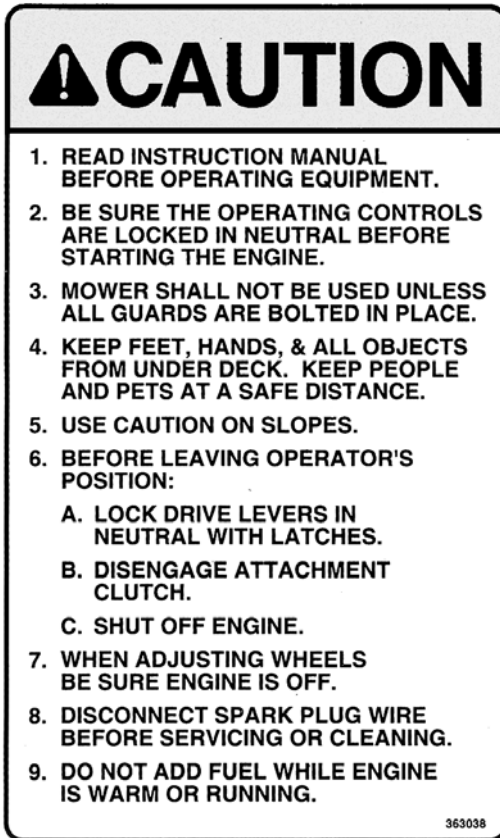
WARNING:

AVOID SERIOUS INJURY OR DEATH:

- THE BATTERY CONTAINS SULFURIC ACID. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. **ANTIDOTE: INTERNAL** – DRINK LARGE QUANTITIES OF WATER OR MILK. FOLLOW WITH MILK OF MAGNESIA, BEATEN EGG OR VEGETABLE OIL. CALL A PHYSICIAN IMMEDIATELY. **EYES AND SKIN** – FLUSH WITH WATER AND GET PROMPT MEDICAL ATTENTION.
- BATTERIES PRODUCE EXPLOSIVE GASES, KEEP SPARKS, FLAMES AND SMOKING MATERIALS AWAY. VENTILATE WHEN CHARGING IN AN ENCLOSED SPACE. WEAR EYE PROTECTION WHEN WORKING NEAR BATTERIES.
- KEEP OUT OF REACH OF CHILDREN.

SAFETY DECALS

In order to promote safe operation, Worldlawn Power equipment Inc. supplies safety decals on all products manufactured. Because damage can occur to safety decals through shipment, use or reconditioning, Worldlawn will, upon request, provide safety decals for any of our products in the field at No Charge. Contact your authorized Worldlawn dealer for more information.



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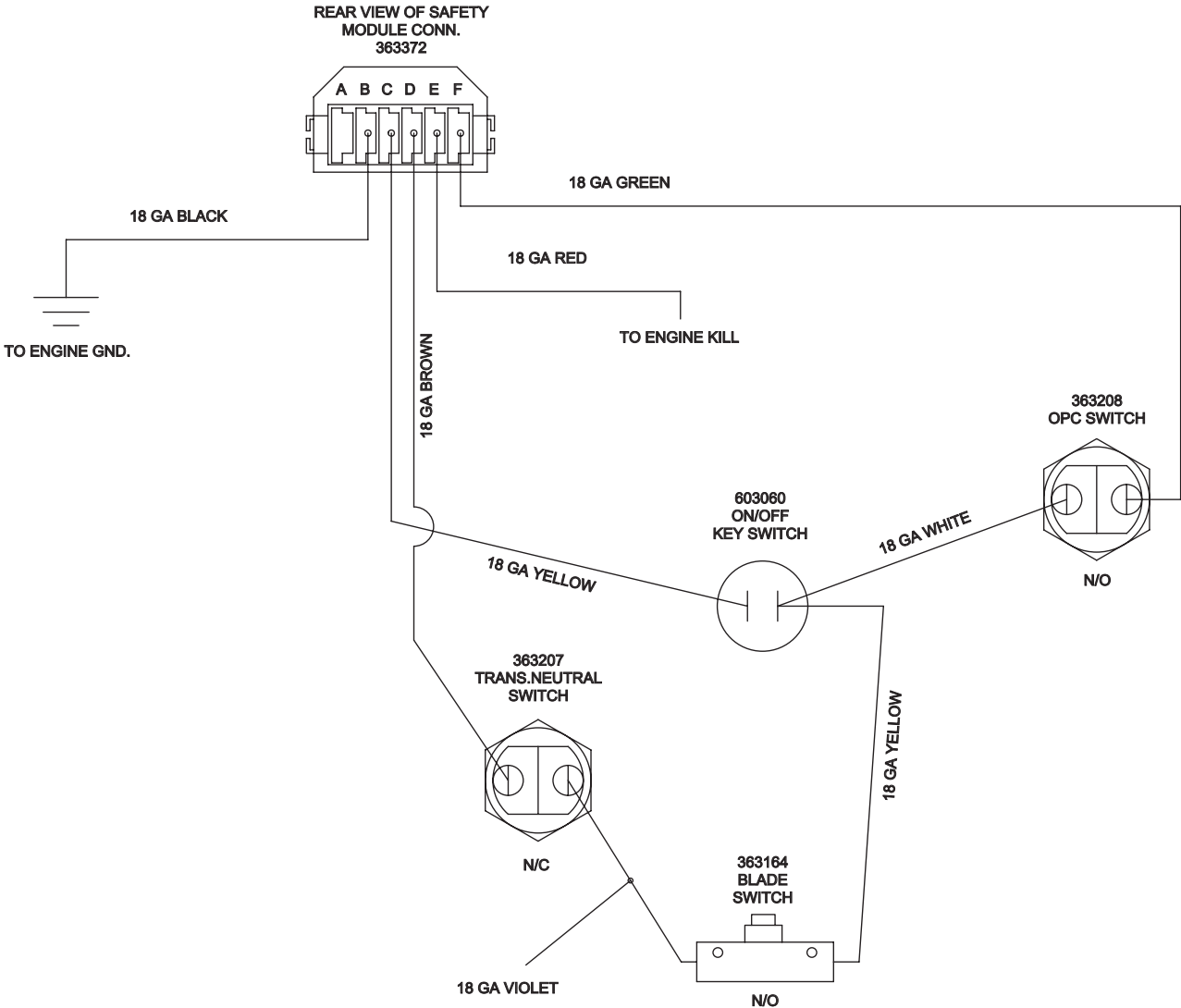
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NOTE CHANGES AT CONN .red wire was at A slot
Yellow wire was at D slot
brown wire was at B slot
black wire was at F slot
green wire was at E slot
12-9-98 dlm

WORLDLAWN PART #: 363371
WIRE HARNESS FOR WY48FS481V



Notes:

WY48FS481V WARRANTY

Limited Warranty:

Worldlawn Power Equipment, Inc. ("Worldlawn") warrants that the Worldlawn WY48FS481V mower ("Mower"), purchased from an Authorized Worldlawn Dealer, will be free from defects in material and workmanship for a period of three years commercial/residential from the original date of purchase (see details below). Worldlawn 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, Worldlawn 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 Worldlawn Power Equipment, Inc. This limited warranty extends only to those Mowers purchased for private residential and commercial use. A Mower purchased for any other reason, for example as a 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 Worldlawn Dealer. Any work done on or to the Mower by anyone other than an Authorized Worldlawn Dealer, including the original purchaser, voids all provisions of the warranty except those provisions which limit Worldlawn's liability (as set forth below).

Any Mower or part thereof which, in Worldlawn's sole discretion, is deemed defective shall be repaired or replaced, at Worldlawn's option, without charge for parts or labor up to three years of the original date of purchase. Any Mower deck shell, in Worldlawn's sole discretion, is deemed defective shall be repaired or replaced, at Worldlawn'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 Worldlawn 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.**

Worldlawn'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, WORLDLAWN'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 WORLDLAWN BE RESPONSIBLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES.



WORLDLAWN®