

Green Machine®

OWNER'S MANUAL

MODEL 500E (UT26101) SERIAL NO.

IMPORTANT NOTE: USE THE ABOVE BOX TO FILL IN YOUR MODEL'S SERIAL NUMBER FOR YOUR RECORDS.

ASSEMBLY AND OPERATING INSTRUCTIONS

GREEN MACHINE® - LIMITED WARRANTY

The manufacturer warrants to the original retail purchaser that this Product is free from defects in material and workmanship and agrees to repair or replace, at Manufacturer's discretion, any defective product free of charge within these time periods from the date of purchase:

- **Two years, if the Product is used for personal, family, or household use;**
- **One year, if the Product is used for commercial or any other use.**

This warranty is not transferable and does not cover damage resulting from defects other than in material or workmanship, or damage caused by unreasonable use, including the failure to provide reasonable and necessary maintenance. Also, the warranty obligations do not apply to conditions resulting from misuse, alteration or accident. In addition, this warranty does not cover general check-ups on electrical equipment, tune-ups on gasoline engines, or replacement of non-defective parts (such as electrical brushes, cables, plugs, spark plug, filters, starter ropes, etc.) that may wear and need to be replaced with reasonable use within the warranty period or which may require replacement in connection with normal maintenance. This warranty applies only to products sold within the United States of America, the District of Columbia, Canada, Mexico, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, the Canal Zone, or American Samoa.

SAVE YOUR SALES SLIP

Proof of purchase in the form of your dated sales receipt, cash register slip, etc. showing the serial number and the model of your Product will be required before our dealers can perform warranty service on the Product. You must at your own expense, arrange to deliver or ship the Product for warranty repairs and arrange for pickup or return of the Product after repairs have been made.

This warranty does not apply to any trade accessory, engine, or electric motor which is separately warranted by another manufacturer and not manufactured by the manufacturer.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THIS PRODUCT, SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALSO, SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

HOW TO OBTAIN WARRANTY SERVICE

Warranty service can be obtained from a Green Machine® dealer authorized to make warranty repairs. If you need warranty service, check first with the dealer from whom you purchased the Product. **FOR WARRANTY SERVICE INFORMATION OUTSIDE THE USA AND CANADA, PLEASE CONTACT YOUR LOCAL GREEN MACHINE® DEALER.**

The manufacturer will not make any reimbursements for warranty service, except to Green Machine® dealers authorized to make warranty repairs. You must present your sales receipt when making any claim for warranty service.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty is given by Homelite, Inc. Post Office Box 7047, Charlotte, North Carolina 28241.

Green Machine®

by John Deere

P.O. Box 7047
14401 Carowinds Blvd.
Charlotte, N.C. 28241

P/N 19666

SAFETY PRECAUTIONS

- When using your edger, follow all safety precautions.
- Read the instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- Dress properly. Wear pants or slacks that cover legs. Wear safety glasses or goggles. Do not wear loose clothing or jewelry. They can be caught in moving parts. Do not operate product barefoot or wear sandals. Use of sturdy gloves and safety footwear is recommended.
- Stay alert, watch what you are doing, use common sense. Do not operate product when fatigued or under the influence of alcohol or drugs.
- To reduce the risk of fire, replace gasoline cap securely.
- Be careful of rotating member. Keep both hands on handles when blade is rotating. Keep feet away from cutting area.
- Do not attempt to remove cut material nor hold material to be cut when engine is running or when cutting member is moving. Be aware of cutting member coasting after turned off.
- Make sure spark plug is disconnected when clearing jammed material from cutting member, when not in use and before changing accessories.
- Keep the area of operation clear of all persons, particularly small children and pets.
- Use only for edging or trimming the type of shrub, growth, and the like described in the operating instructions. Do not abuse product. Do not use product in rain or wet locations. Never allow children to operate the product. Never allow adults to operate the product without proper instruction.
- Do not reach or stand on unstable support. Keep good footing and balance at all times.
- Maintain product with care. Follow maintenance instructions given in manual.
- To reduce the risk of fire, do not allow excessive grass, leaves, or grease to accumulate on the product.
- When not in use, store product indoors in a dry place locked or otherwise inaccessible to children.
- Do not attempt to repair product. Have repairs made by qualified dealer or repairman. See that only identical replacement parts are used.
- Do not use the product on graveled surfaces.
- Never operate the product without good visibility or light.
- Handle fuel with care; it is highly flammable. Use a fuel container acceptable for the purpose. Never add fuel to a running engine.
- Fill fuel tank outdoors with extreme care. Never fill fuel indoors.
- Do not run the engine indoors; exhaust fumes are dangerous.
- Never attempt to make any adjustments while the engine is running except where specifically recommended by manufacturer.
- Never direct material toward bystanders nor allow anyone near the area of operation. Use care in directing discharge to avoid glass enclosures, automobiles, and the like.
- Stay alert for uneven sidewalks, holes in the terrain or other similar conditions when using product. Always push slowly over rough ground.
- Objects struck by the cutting member can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to edging and trimming.
- If product strikes a foreign object, stop product and disconnect spark plug lead. Inspect for damage. Repair damage before restarting and operating product.
- Never operate the product without guards, plates, or other protective devices in place.
- Use only accessories and attachments supplied or specifically recommended for use with the product.
- Do not operate product with a damaged or excessively worn cutting member.

SAFETY DEFINITIONS



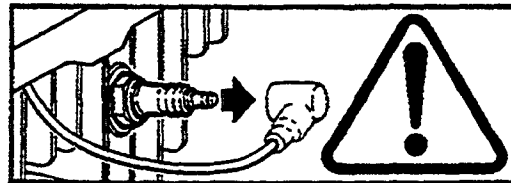
DANGER

The signal word "DANGER" signifies that a source of extreme danger to a person on or near a machine exists as a result of the very nature of the machine itself. This danger to persons is such that it would result in a high likelihood of death or permanent injury if the recommended precautions are not taken.



WARNING

The signal word "WARNING" indicates that a source of danger to a person on or near a machine exists which may result in death or injury if the recommended precautions are not taken.



DISCONNECT SPARK PLUG BEFORE PERFORMING MAINTENANCE, ADJUSTMENT, LUBRICATION AND STORAGE.



READ YOUR PRODUCT LITERATURE.



DANGER - KEEP HANDS AND FEET AWAY.



WEAR EYE PROTECTION.



DANGER!



KEEP CHILDREN AND PETS AWAY.

ASSEMBLY

BLADE ASSEMBLY

Remove nut, lockwasher, dust shield washer and blade from bag of parts. Install dust shield washer and blade onto cutterhead. Install lockwasher and nut. Tighten securely (See Figure 1).

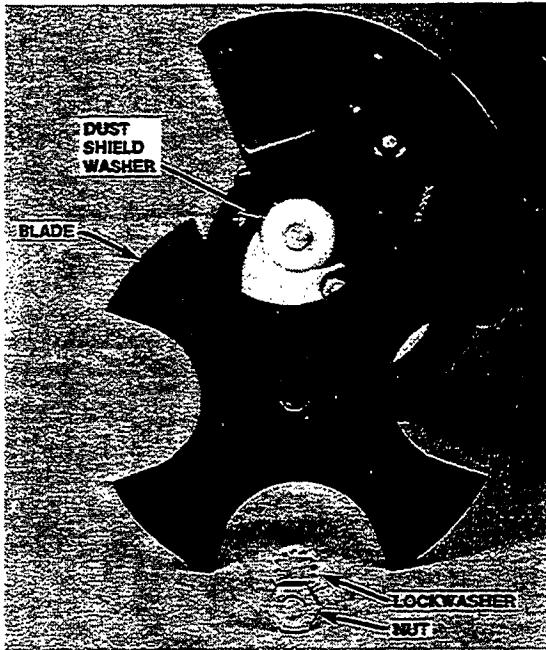


Figure 1

HANDLE ASSEMBLY

Align the two holes on each handle rail with the matching holes on the frame assembly. The handle should fit on the outside of frame. Install handle joint cover. Insert four flanged head screws (1/4-20 x 1") from the outside and secure with four flange nuts (1/4-20) (See Figure 2).

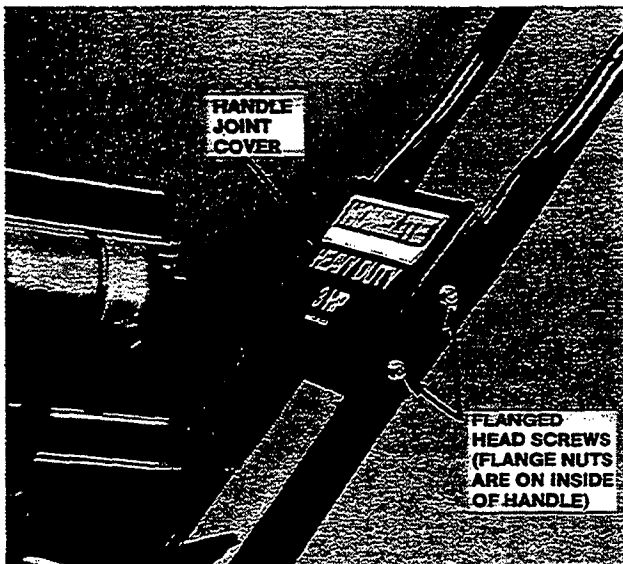


Figure 2

DEPTH CONTROL ROD ASSEMBLY

1. Install hex nut onto eyebolt. Install eyebolt into hole located in the right side of upper handle. (Eye of bolt is to the inside of handle.) Secure eyebolt to handle with lockwasher and nut.
2. Insert curved end of upper depth control rod through eyebolt (See Figure 3).

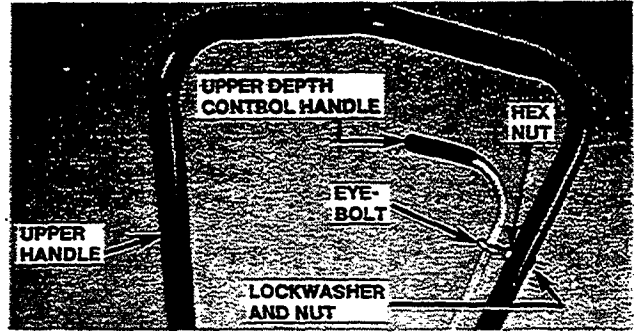


Figure 3

3. Place eyelet located at the end of upper depth control, onto the lower depth control rod.
4. Secure depth control rod with cotter pin placing pin into hold (be sure to spread legs of cotter pin) in lower depth control rod (See Figure 4).

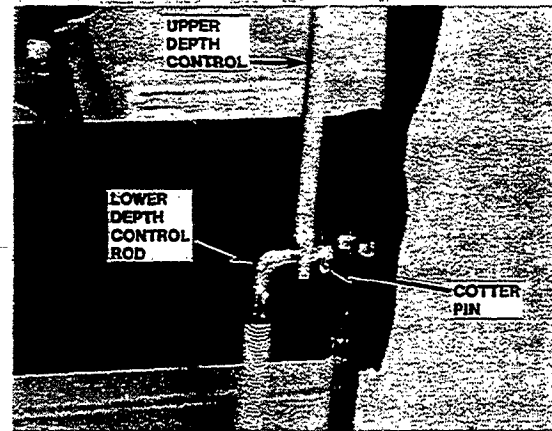


Figure 4

NOTE

It will be necessary to move the lower depth control rod to nearly its upmost position for clearance to install the upper depth control rod. To do this, simply tip back on handle with one hand (to remove the weight on the front wheel) while pulling up on the depth control ratchet (See Figure 20) with the other. **BE CAREFUL NOT TO PINCH FINGERS.**

DEBRIS GUARD

When mounting debris guard, make sure hole in pulley guard is aligned with hole in frame. Secure guard with three self tapping screws (1/4-20 x 1/2") (See Figure 5).

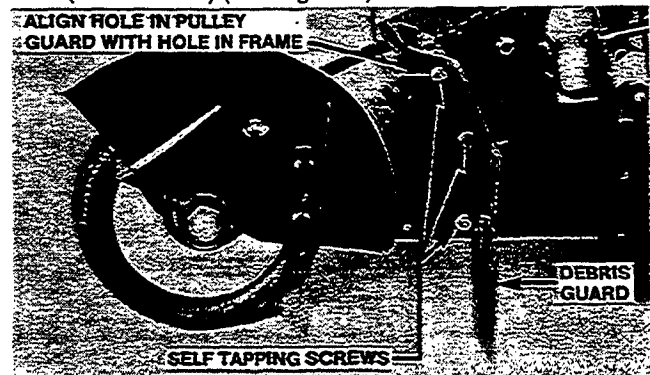


Figure 5

STARTING AND STOPPING



DANGER!



DANGER - KEEP HANDS AND FEET AWAY.



WEAR EYE PROTECTION.



KEEP CHILDREN AND PETS AWAY.

CAUTION

Before starting unit or making adjustments, always be sure that blade is disengaged.



WARNING

Muffler and surrounding areas can become extremely hot while running the engine. Avoid these areas.

CAUTION

Never run engine in enclosed areas or poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas.

The 500E is equipped with a 4-cycle engine. Before starting, fill crankcase with oil. The crankcase should be checked for proper quantity every time it is used and should be drained and refilled after 5 hours of initial use and every 25 hours thereafter. The foam filter is serviced with oil at the factory. It should be cleaned and re-oiled every 15-20 hours. The foam element may be cleaned with soap and water or gasoline, then squeezed like a sponge. The small amount of water is not detrimental. Oil the element with 2 ounces of oil and squeeze element again to spread and remove the excess oil. See engine manual for further instructions.

1. Move **CHOKE LEVER** to choke position (See Figure 6).

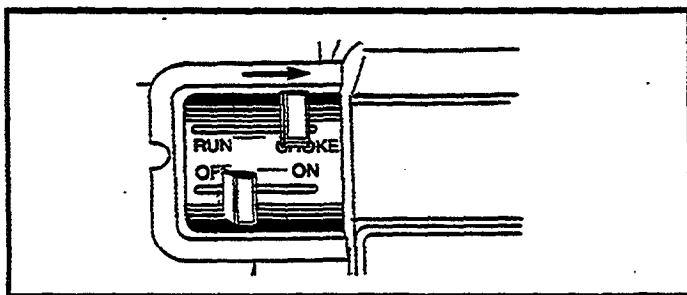


FIGURE 6

NOTE

A warm engine requires less choking than a cold engine.

2. Move **STOP LEVER** to **ON** position (See Figure 7).

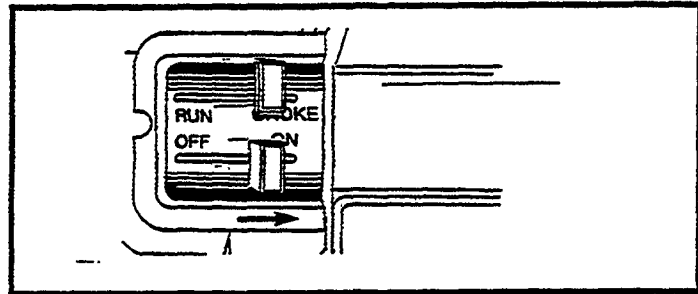


FIGURE 7

3. Grasp starter grip and pull slowly until starter engages. Then pull cord rapidly to overcome compression, prevent kickback, and start engine. Repeat if necessary with **CHOKE** opened slightly (See Figure 8).

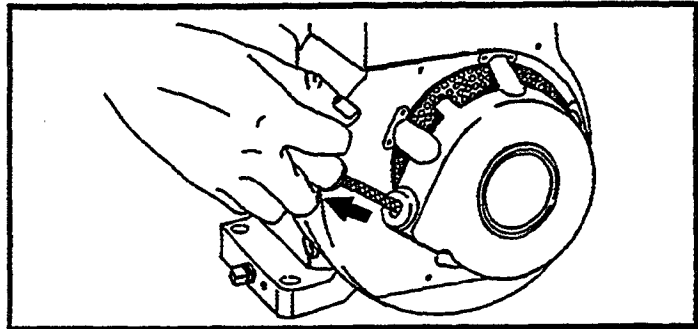


FIGURE 8

4. When engine starts, move **CHOKE LEVER** gradually to **RUN** position.

TO STOP: Move **STOP LEVER** to **OFF** position. Do not choke the carburetor to stop engine (See Figure 9).

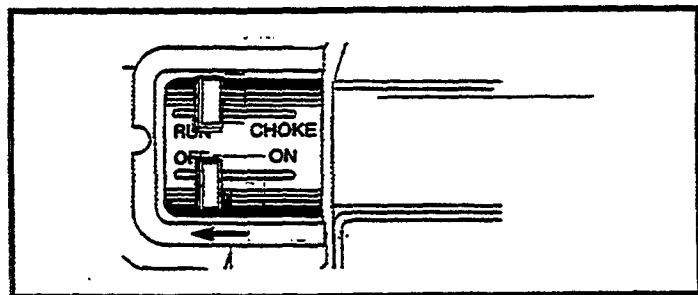


FIGURE 7

OPERATIONS AND INSTRUCTIONS

EDGING

When edging, the blade should be perpendicular to the ground. The "average" cutting depth is 1" to 1 1/2". The guide finger should rub against the edge of the concrete for best cutting results. To adjust guide finger, stop engine and disconnect spark plug, loosen the two nuts and screws. Adjust guide finger to the desired setting. Tighten nuts securely (See Figure 10). To adjust cutting depth, squeeze the depth control rod. Pull back on handle bar to decrease cutting depth (raises front of edger). Push forward on handle bar to increase cutting depth (lowers front of edger). Release rod at desired depth.

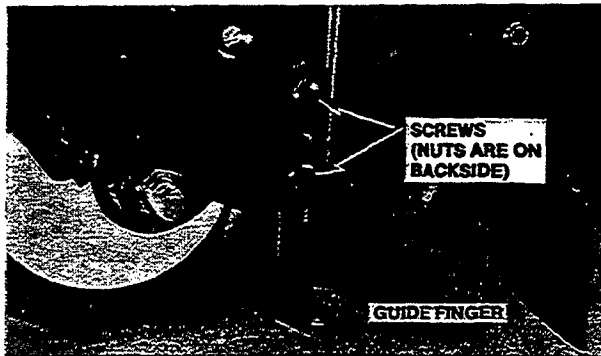


Figure 10

Along sidewalks or driveways, it is easier to place the wheels on the cement rather than the grass. When edging on a curve, the rear wheels should be held off the ground and the edger maneuvered "wheel barrow" fashion.

PRE-SET DEPTH CONTROL

These units have a convenient pre-set depth control feature. By inserting the cotter pin in different holes in the ratchet assembly, the desired cutting height can be adjusted. After presetting the pin, the unit will stop at the pre-set depth you have selected (See Figure 11).

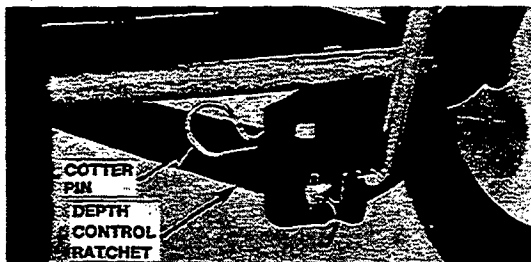


Figure 11

ENGAGING AND DISENGAGING CLUTCH

Engage clutch by lifting up on clutch lever. Disengage blade clutch by pressing down on clutch lever (See Figure 12).

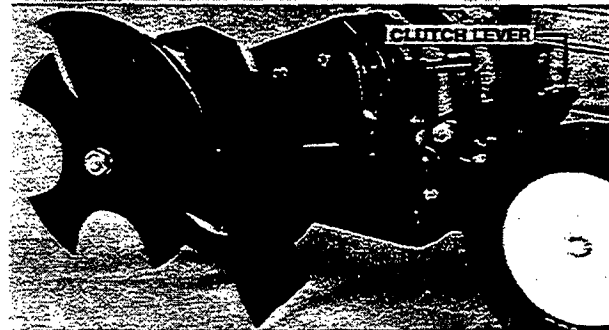


Figure 12

BLADE ANGLE ADJUSTMENT

This assembly allows the operator to change the blade cutting angle from vertical for normal edging, to various angles for special requirements.

To change the cutterhead angle, pull back on the tilt lever and rotate the cutterhead. When the desired angle is reached, release the tilt lever allowing the alignment pin on the lever to fully engage the appropriate notch on the comb plate (See Figure 13).

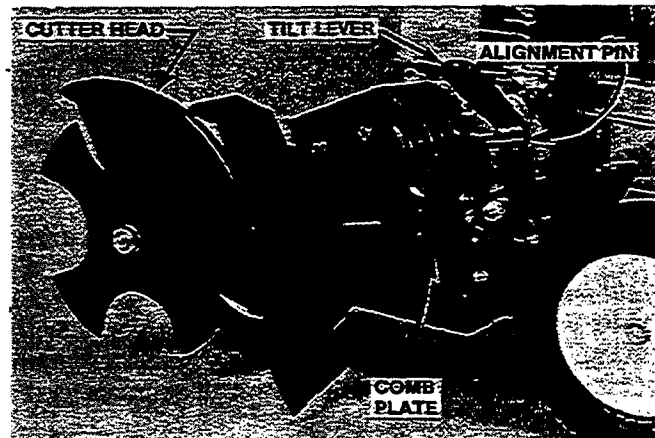
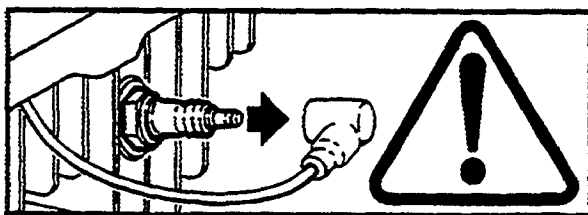


Figure 13

MAINTENANCE AND ADJUSTMENT



BELT REPLACEMENT

Stop engine and disconnect spark plug. Disengage blade clutch. Remove both belt guards. Slide belt off of pulleys. Reverse procedure to install new belt.

BLADE REPLACEMENT

Replace blade when the edger will not cut to the desired depth, or if bent or shows signs of other damage. See Blade Assembly for installing new blade.

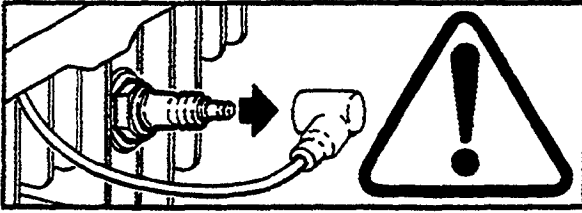
CLEANING

Thoroughly clean all grass and dirt from the edger after using. Accumulated debris is a trap for corrosive moisture and will work its way into moving parts, causing accelerated wear.

ENGINE

For maintenance and adjustments on the engine see engine manual.

LUBRICATION



LUBRICATION

Lubricate all moving parts lightly with a general purpose oil every 8 to 16 hours of operations. Be sure to wipe off excess oil to avoid accumulation of dirt and debris.

Lubricate the cutterhead assembly lightly with a general purpose oil every 4 hours of operation around the plastic bushings.

ENGINE

Check your engine manual for proper lubrication procedures.

STORAGE

Clean unit thoroughly before storage. If necessary, a soft bristle scrub brush can be used to clean the wheels and tires. Make sure the fuel tank is empty, as gasoline can escape from the vent holes in the tank cap if the edger is tipped. Disconnect the spark plug wire. Be very careful if you touch the blade as it is quite sharp. Lubricate as instructed in "Lubrication". Wipe the entire unit with a clean cloth to remove the gasoline stains and oily spots.

ENGINE STORAGE (See engine manual)



DANGER

To avoid accidental engine start-up and consequential injury, disable engine by disconnecting spark plug wire.

Never store engine with fuel in tank indoors or in enclosed, poorly ventilated enclosures, where fuel fumes may reach an open flame, spark or pilot light as on a furnace, water heater, clothes dryer, etc.

Handle gasoline carefully. It is highly flammable and careless use could result in serious fire damage to your person and/or property.

Drain fuel into approved container outdoors, away from open flame.

NOTES

Lined area for notes.

Green Machine®

▲ WARNING ▲

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

CALIFORNIA PROPOSITION 65



Green Machine®
by **John Deere**

PRODUCT REGISTRATION CARD

Mr. Mrs. Ms. Miss.

First Name _____ Initial _____ Last Name _____

Job Title _____ Company Name _____

Address _____

City _____ State _____ Zip Code _____ Telephone Number _____

UT Number _____ Serial Number _____ Date of Purchase _____ Price Paid \$ _____

Store Name _____ Customer Number _____

Do you plan to purchase any of the following products in the next 1-12 months? (Check all that apply)

	1-6 Months	7-12 Months		1-6 Months	7-12 Months
Backpack Blowers	<input type="checkbox"/>	<input type="checkbox"/>	String Trimmers	<input type="checkbox"/>	<input type="checkbox"/>
Chain Saws	<input type="checkbox"/>	<input type="checkbox"/>	Brushcutters	<input type="checkbox"/>	<input type="checkbox"/>
Handheld Blowers	<input type="checkbox"/>	<input type="checkbox"/>	Edgers	<input type="checkbox"/>	<input type="checkbox"/>
Hedge Trimmers	<input type="checkbox"/>	<input type="checkbox"/>	Walk-Behind Lawn Mowers	<input type="checkbox"/>	<input type="checkbox"/>

How do you classify your company? (Check all that apply)

<input type="checkbox"/> Lawn Care Company	<input type="checkbox"/> Golf Course
<input type="checkbox"/> Landscape Contractor	<input type="checkbox"/> Institutional Grounds Care (parks, government, schools, etc.)
<input type="checkbox"/> Chemical Application	<input type="checkbox"/> Other

What other equipment do you use regularly in your business? (Check all that apply)

<input type="checkbox"/> Backpack Blowers	<input type="checkbox"/> Hedge Trimmers	<input type="checkbox"/> Tillers
<input type="checkbox"/> Brushcutters	<input type="checkbox"/> Sprayers (Portable)	<input type="checkbox"/> Vacuums
<input type="checkbox"/> Chain Saws	<input type="checkbox"/> Spreaders	<input type="checkbox"/> Walk-Behind Edgers
<input type="checkbox"/> Chipper/Shredders	<input type="checkbox"/> Stick Edgers	<input type="checkbox"/> Other
<input type="checkbox"/> Hand Held Blowers	<input type="checkbox"/> String Trimmers	

Number of people employed by your company:

<input type="checkbox"/> 1 - 14	<input type="checkbox"/> 45 - 59
<input type="checkbox"/> 15 - 29	<input type="checkbox"/> 60 - 74
<input type="checkbox"/> 30 - 44	<input type="checkbox"/> 75 +

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Green Machine®