



MODEL NO. 58432 - 8000001
thru 9000001 & UP

OPERATOR'S
MANUAL

TWO CYCLE EDGER



SAFETY INSTRUCTIONS

This edger "meets or exceeds U.L. requirements for gasoline-powered edgers." However improper use or maintenance by the operator or owner can result in injury. To reduce the potential for injury, comply with these safety instructions and always pay attention to the safety alert symbol. Failure to comply with the instructions may result in personal injury. Save these instructions.

BEFORE OPERATING

1. Read this manual carefully before operating the edger. Become thoroughly familiar with the controls and proper instructions. Know how to disengage controls and stop the unit quickly.
2. Keep everyone, especially children and pets, away from the area of operation. Thoroughly inspect area where edger will be used. Remove sticks, stones, wire, bones and any other debris because thrown objects can cause injury.
3. Dress properly by wearing long pants that cover legs, substantial footwear and safety glasses or goggles. Sturdy gloves and safety footwear are recommended. Do not wear loose clothing and jewelry because they could get caught in moving parts. Do not operate edger while wearing open sandals or when barefoot.
4. Check fuel level before starting engine. Do not fill fuel tank indoors, when the engine is running, or until engine cools for several minutes after running. If gasoline is spilled, move edger and gas can away from area and do not create a source of ignition. Wipe up spilled gasoline before starting engine. Always use an approved gas can.
5. Do not use edger unless all guards, shields and safety devices are properly in place. Repair or replace defective or damaged parts before using.

6. Disengage power to blade before starting engine. Assure blade control functions properly before use of the edger.

WHILE OPERATING

7. Do not run engine indoors because exhaust gases are dangerous.
8. Always maintain secure footing and balance. Keep both hands on handle and walk, never run. Never operate edger on gravel surfaces or steep slopes. Do not edge in the rain or wet locations. Edge only in daylight or in good artificial light.
9. Stay alert, use common sense and always watch what you are doing. Do not operate edger when fatigued or under the influence of alcohol or drugs.
10. Use the edger for only the purpose described in this manual. Do not abuse the edger.
11. Keep face, hands and feet away from the cutter blade. Operate edger from position behind handle where guards block line of sight to blade.
12. Stay clear of discharge area. Never direct discharge of material toward bystanders nor allow anyone near area of operation. Avoid discharging material toward automobiles, glass enclosures and similar things.
13. Stay alert for uneven sidewalks, holes in terrain or other hidden hazards when using edger. Always push slowly over rough ground. When moving from

SAFETY INSTRUCTIONS

place to place, disengage power to blade.

14. Since blade rotates for a few seconds after blade control is released, stay behind the handle until all moving parts stop.

15. After striking a foreign object or if edger vibrates abnormally, disengage power to blade, wait for blade to stop, and stop engine. Remove wire from spark plug and inspect for damage. Repair before using edger again.

16. Do not try to remove cut material or hold material to be cut when engine is running or when blade is rotating. disengage power to blade, stop engine and disconnect wire from spark plug before clearing jammed material from cutter blade and belt area.

17. Before leaving operator's position, disengage power to blade, wait for blade to stop, and stop engine. Disconnect wire from spark plug if edger will be unattended or not used.

18. Do not touch muffler or engine while it is running or shortly after it is stopped because muffler and engine may be hot enough to cause a burn.

19. Perform only those maintenance instructions described in this manual. If major repairs are ever needed or if assistance is desired, contact an Authorized TORO Service Dealer.

MAINTENANCE

20. Before edger is cleaned, inspected, serviced, adjusted or transported, dis-

engage power to blade and wait for blade to stop. Stop engine and disconnect wire from spark plug. Keep wire away from spark plug to prevent accidental starting.

21. To assure edger is in safe operating condition, frequently check and keep all nuts, bolts and screws tight. Assure blade nut is tightened to proper specification.

22. To reduce fire hazard, keep engine free of excessive grease, grass, leaves and accumulations of dirt.

23. Allow engine to cool before storing edger in any enclosure. Do not store edger near any open flame or where gasoline fumes may be ignited by a spark. Do not store edger in a car trunk or truck.

24. Do not overspeed the engine by changing governor settings.

25. When not in use, store edger in a dry place in an area that can be locked or is otherwise inaccessible to children.

26. At the time of manufacture the edger conformed to the safety standards in effect for edgers. To assure optimum performance and continued safety certification of the edger, use genuine TORO replacement parts and accessories. Replacement parts and accessories made by other manufacturers may result in non-conformance with the safety standards, and that could be dangerous.

SAFETY DECALS



Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged.



ON BLADE GUARD
(Part No. 68-7410)



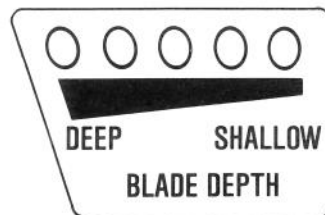
ON UPPER HANDLE
(Part No. 57-7450)



ON ENGINE SHROUD
(Part No. 68-7440)



ON FUEL TANK BRACKET
(Part No. 63-8440)



ON BLADE DEPTH LEVER
(Part No. 57-7420)



ON LOWER HANDLE
(Part No. 68-7390)

TABLE OF CONTENTS

	Page		Page
Set-Up Instructions	4	Cleaning and Lubricating Pivot Arm . . .	9
Before Operating	5	Replacing Blade	9
Operating Instructions.	6-7	Servicing Muffler	9
Maintenance	8-10	Storage	10
Servicing Air Cleaner	8	Toro Service Support	10
Draining Gasoline	8	Product Identification	10
Cleaning Cooling System	8	Maintenance Record	11
Replacing Spark Plug	8	The Toro Promise	12

SET-UP INSTRUCTIONS

INSTALL LOWER HANDLE (Fig. 1)

1. Pivot lower handle and handle latches rearward aligning mounting holes. Secure handle latches to lower handle with (2) 5/16-18x3/4" lg. capscrews and locknuts. Tighten front latch screw and wheel nut.

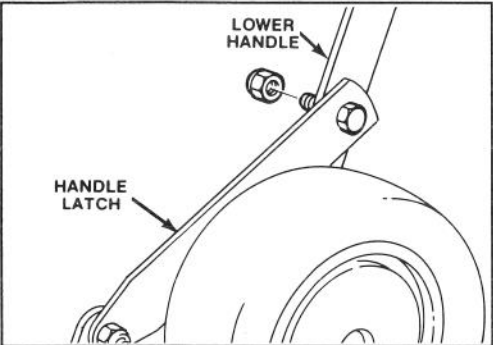


Figure 1

INSTALL UPPER HANDLE (Fig. 2)

1. Align upper and lower handle mounting hole and secure each side with (2) 5/16-18x3/4" lg. capscrews and locknuts. Depth adjustment assembly to be positioned at left side of handle.

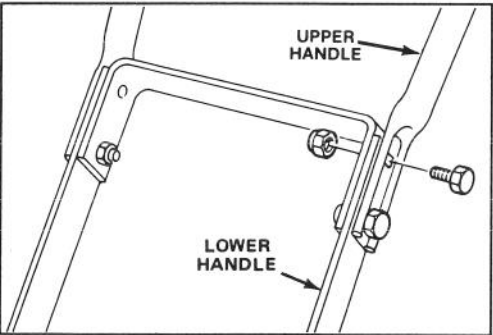


Figure 2

2. Slide air cleaner hose onto air cleaner cover opening and secure with tie strap.

INSTALL DEPTH CONTROL ROD (Fig. 3-5)

1. Insert end of control rod with Z-bend into mounting hole in depth adjustment plate.

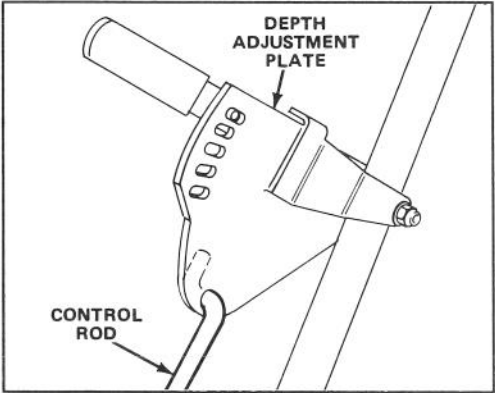


Figure 3

2. Insert other end of rod into pivot lever mounting hole and secure with washer and cotter pin.

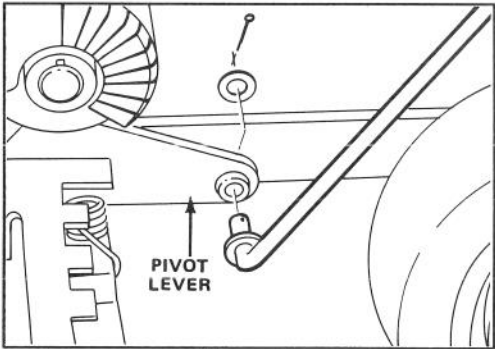


Figure 4

3. Secure top control rod to blade/clutch control bar with a washer and cotter pin.

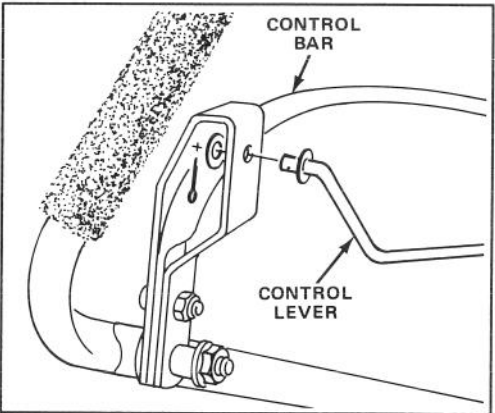


Figure 5

BEFORE OPERATING



DANGER: Gasoline is extremely flammable and explosive under certain conditions. Do not smoke when handling fuel and keep fuel far away from open flames and sparks. Never buy more than a 30 day supply of gasoline and store it in an approved container. Keep gasoline out of reach of children.

Refuel outdoors, only when engine is cold. Fill tank to within 1/4" to 1/2" from its top. This space is for expansion of fuel. Use a funnel or spout to prevent spilling. Wipe up any spilled gas. Assure area is dry before starting engine.

MIX GASOLINE AND OIL — 32:1 RATIO

1. Approved Mixture — For simplicity and best engine performance, mix the contents of one 8-ounce bottle of Toro 32:1 Two-Cycle Oil with two gallons of fresh **unleaded** regular gasoline. Leaded regular gasoline can be used if unleaded is not available.

Toro Two-Cycle Oil is specifically formulated to provide superior lubrication, make starting easy and prolong engine life. If Toro Two-Cycle Oil is not available, mix two gallons of gasoline and 8 ounces of another high grade two-cycle oil that has the NMMA or BIA-TCW certification printed on the label.

IMPORTANT: ALWAYS USE A 32:1 MIXTURE RATIO WITH THIS ENGINE. IF YOU USE TORO "EASY MIX" TWO-CYCLE OIL, OR OTHER SO CALLED "ONE MIX" TWO-CYCLE OILS, MIX 4 OUNCES OF OIL WITH EVERY GALLON OF GAS TO ASSURE THE PROPER 32:1 RATIO.

NEVER USE AUTOMOTIVE OIL (ie. SAE 30, 10W30, etc.). TWO-CYCLE OIL THAT IS NOT CERTIFIED NMMA/BIA-TCW OR THE WRONG MIX RATIO BECAUSE THE ENGINE CAN BE DAMAGED AND IT WOULD NOT BE COVERED BY THE TORO WARRANTY.

2. Mixing Gasoline and Oil — Pour correct amount of two-cycle oil into an approved gasoline container and add a half gallon of gasoline. Install cap on gasoline container and shake the container to mix oil and gas thoroughly. Remove cap and add remaining amount of gasoline.

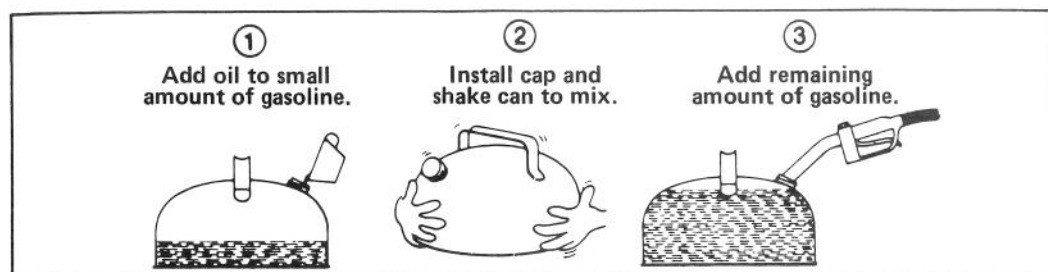
IMPORTANT: NEVER USE METHANOL, GASOHOL CONTAINING MORE THAN 10% ETHANOL, GASOLINE ADDITIVES, PREMIUM GAS OR WHITE GAS BECAUSE ENGINE FUEL SYSTEM COULD BE DAMAGED.

FUEL STABILIZERS WITH ISOPROPYL ALCOHOL CAN BE USED, HOWEVER, TORO GAS STABILIZER AND FUEL CONDITIONER IS RECOMMENDED TO KEEP THE ENGINE CLEAN AND ASSURE EASY STARTS.

NOTE: Do not mix gas and oil in the product fuel tank. Oil that is at room temperature mixes easier and more thoroughly than cold oil.

32:1 GAS/OIL MIXING CHART

Gas	Oil
0.8 Gallons	3.2 Ounces
1 Gallon	4 Ounces
2 Gallons	8 Ounces



OPERATING INSTRUCTIONS

STARTING, STOPPING, EDGING

1. CONTROLS – Blade/Clutch control bar is on upper handle (Fig. 6) and depth adjustment handle is on left side of upper handle (Fig. 10). Primer and ON/OFF switch are engine mounted (Fig. 7).

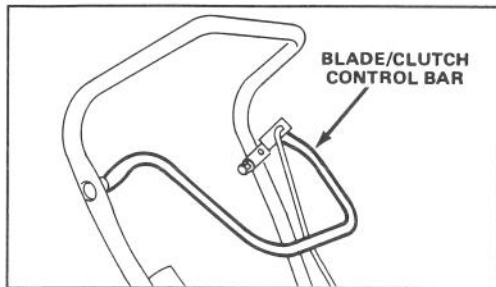


Figure 6

2. STARTING – Push wire onto spark plug and assure blade control is disengaged. Move engine ON/OFF switch to ON position. Press primer button 2–3 times when starting a cold engine. Additional primes may be required on initial start. Place foot on rear wheel and pull recoil starter out slowly until positive engagement results; then pull vigorously until engine starts.

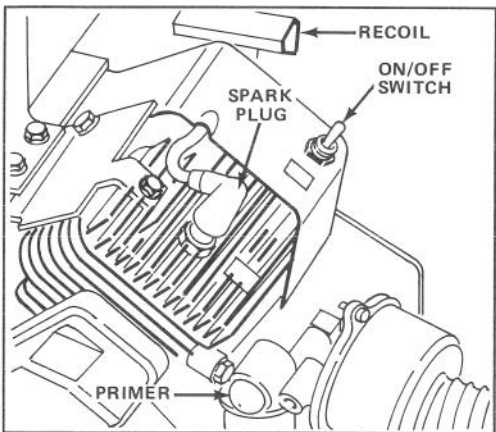


Figure 7

3. EDGING – Squeeze blade/clutch control bar (Fig 6) against handle to engage blade and move cutter to preset depth. Release blade/clutch control bar to disengage blade and raise cutter head.

4. STOPPING – Release blade/clutch control bar (Fig 6) and move ON/OFF switch to OFF position.



CAUTION

Stay behind handle until blade stops spinning. Contact with spinning may cause injury.

OPERATING TIPS

The new Toro Edger puts the finishing touch on a beautiful lawn in minutes. It will edge along the walk, driveway, curb, flower bed and similar objects.

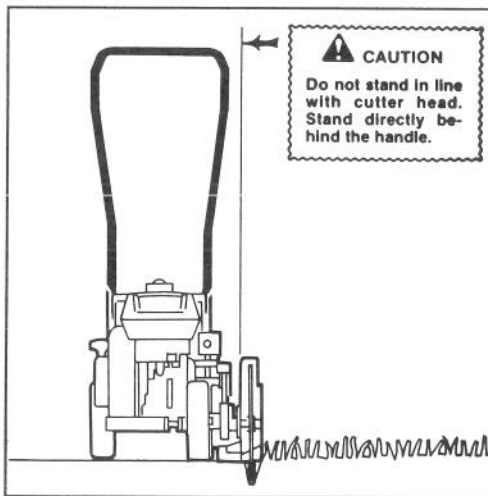


Figure 8

For best results adjust blade edging depth from 1/2 to 1-inch deep. Edging too deeply will put an unnecessary load on the engine and cause premature blade wear. Not edging deeply enough allows grass to grow back sooner than normal. Be sure to adjust edging depth as blade wears.

Do not force the edger. Move the edger ahead at moderate speeds. Best edging appearance will result when grass is dry. Avoid edging wet grass because the blade may clog and the lawn may take on an irregular edge.

OPERATING INSTRUCTIONS

ADJUSTING EDGING DEPTH

1. Position edger on level surface and move blade to vertical position.
2. CHECK EDGING DEPTH (Fig. 9) – Squeeze blade/clutch level against handle. Space between bottom of tire and ground is actual blade edging depth. If adjustment is required, go to step 3.

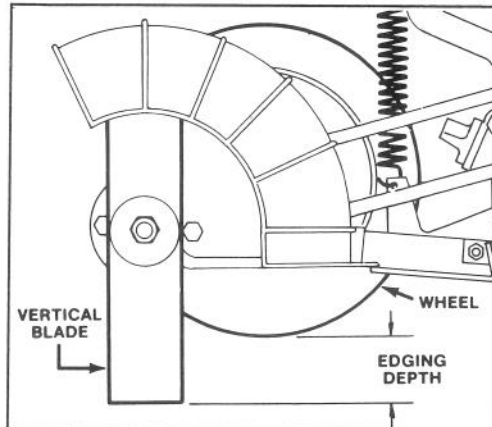


Figure 9

3. ADJUSTING DEPTH (Fig. 10) – release blade/clutch control rod. Move depth adjustment handle forward to increase blade depth and rearward to decrease blade depth.

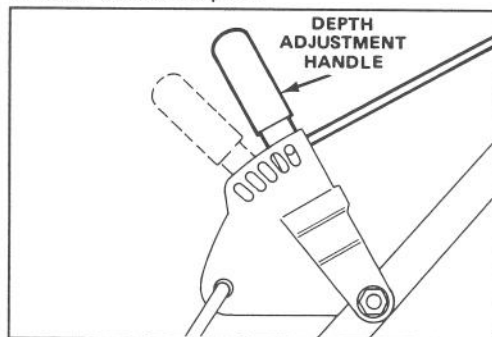


Figure 10

ADJUSTING BLADE TILT (Fig. 11)

From the normal vertical position, blade can be adjusted to three other positions for tapered (-15, +15, and +30) edging.

1. Release blade/clutch control bar and stop engine.
2. Pull handle on tilt lever and move it into desired notch in bracket.

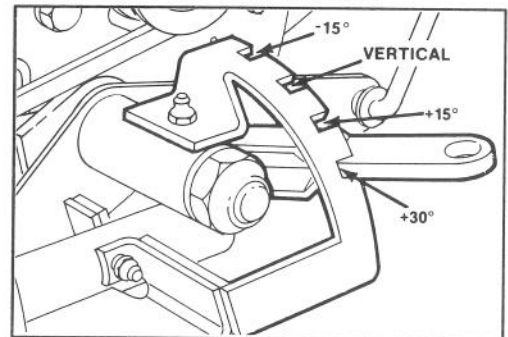


Figure 11

ADJUSTING DROP WHEEL (Fig. 12)

The adjustable drop wheel lets you edge along curbs and similar objects. Simply loosen the adjusting knob and slide the wheel assembly up or down until edger is level. Then tighten knob and start edging.

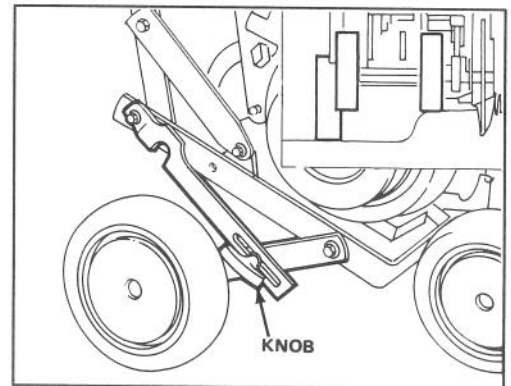


Figure 12

MAINTENANCE



CAUTION

Pull wire off spark plug before performing adjustments or maintenance. After engine is run, stay away from muffler and nearby engine areas because they could be hot enough to cause burns.

SERVICING AIR CLEANER (Fig. 13)

Air cleaner element must be cleaned after every 10 hours of engine operation when operated in clean air conditions. More frequent cleaning is required when engine is operated in dusty or dirty conditions.

1. Stop engine and pull wire off spark plug.
2. Loosen two screws securing air cleaner cover in place.

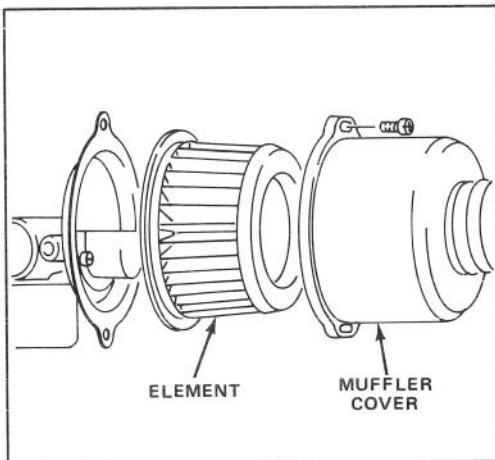


Figure 13

3. Rotate cover counterclockwise and slide cover off heads of screws.
4. Tap element and cover lightly on a flat surface to remove dust and dirt. Replace the element if it is bent, crushed, torn, or oil-soaked. **DO NOT WASH OR OIL THE ELEMENT.**
5. Reinstall element and cover and tighten mounting screws.

IMPORTANT: Do not operate engine without air cleaner element because extreme engine wear and damage will likely result.

DRAINING GASOLINE (Fig. 14)

1. Stop engine and pull wire off spark plug.
2. Squeeze ends of fuel line clip and slide clip down fuel line. Carefully pull fuel line off fitting and allow gasoline to flow into drain pan.

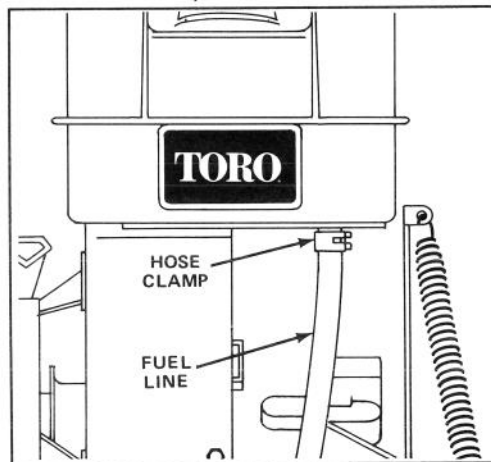


Figure 14

3. After tank is drained, install fuel line on tank fitting and secure in place with clip.

CLEANING COOLING SYSTEM

After every 75 operating hours (more frequently when dusty or dirty), clean dirt and chaff from cylinder, cylinder head fins and from around carburetor and linkage. Also remove debris from air intake slots on recoil housing. This will assure proper cooling and optimum engine performance.

REPLACING SPARK PLUG (Fig. 15)

Use a CHAMPION CJ-8Y spark plug or equivalent. Correct air gap is 0.030" (0.76 mm). Remove plug after every 25 operating hours and check its condition.

1. Stop engine and pull wire off spark plug.
2. Clean around spark plug and remove plug from cylinder head.

MAINTENANCE

IMPORTANT: Replace a cracked, fouled or dirty spark plug. Do not sand blast, scrape or clean electrodes because engine damage could result from grit entering cylinder.

3. Set air gap. Install correctly gapped spark plug and gasket seal. Tighten plug firmly.

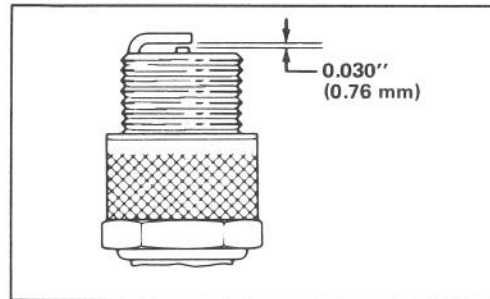


Figure 15

CLEANING AND LUBRICATING PIVOT ARM (FIG. 16)

After every 25 operating hours, more often in dusty or dirty conditions clean entire pivot arm assembly and lubricate it with #2 general purpose grease.

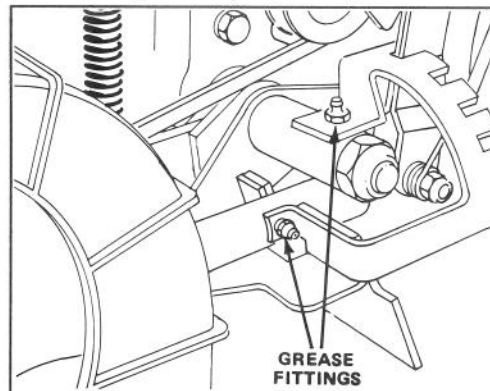


Figure 16

1. Clean grease fittings and surrounding area.
2. Continue to apply grease until noticeable amount overflows. This helps force dirt out of pivot assembly.

REPLACING BLADE (Fig. 17)

The edger has a 10-inch blade that gradually wears because of use. Re-

place blade if it wears down to 5 inches or less.

1. Stop engine and pull wire off spark plug.
2. Using a 1 1/4-inch wrench, hold squared bearing shield and remove blade nut and washer. Slide blade and washer off spindle.

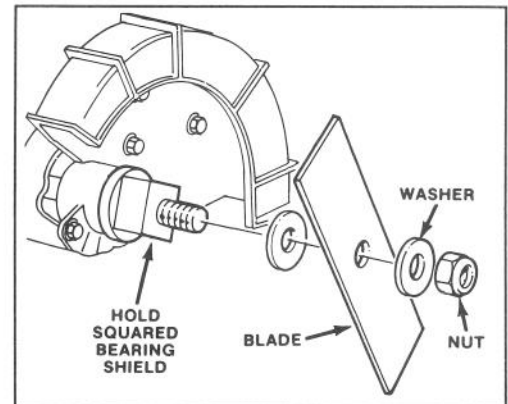


Figure 17

3. Install new blade, existing washers and blade nut in sequence shown. Tighten nut to 40-60 ft-lb.

SERVICING MUFFLER (Fig. 18)

If engine speed or power decreases drastically, inspect and clean muffler and exhaust port of carbon deposits to relieve back pressure.

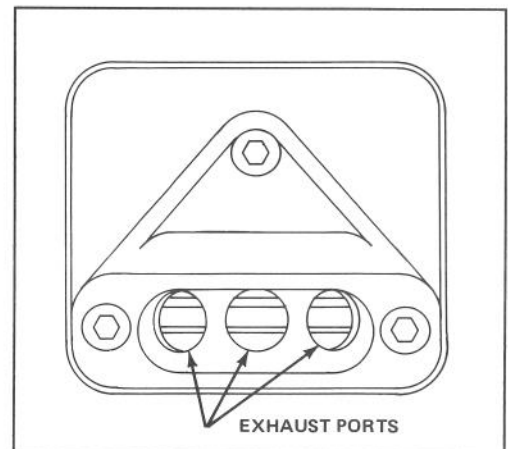


Figure 18

MAINTENANCE

1. Remove (4) screws securing muffler cover to muffler body and remove cover.

2. Remove baffle from muffler body.

3. Clean any carbon buildup from baffle, muffler cover and inside muffler body.

4. Rotate the engine crankshaft until the piston totally covers the exhaust port (Fig.20). Clean the exhaust port area by using a clean, flat piece of hardwood. Remove all loose particles.

IMPORTANT: Use extreme care when cleaning exhaust port. Stay clear of the piston so it will not be damaged. Piston damage can cause early engine failure.

5. Make sure all muffler components are still usable (replace, if necessary) and install baffle and cover to muffler body. Tighten all screws securely.

STORAGE

1. Drain gasoline: refer to Draining Gasoline. then run engine until all gas is consumed. If gasoline is not drained, gum-like varnish deposits will form and

cause poor engine operation, even severe starting problems.

2. Clean air cleaner: refer to Servicing Air Cleaner.

3. Clean dirt and chaff from cylinder, cylinder head fins and blower housing. Also remove grass clippings, dirt and grime from external parts of the engine and shrouding. Clean entire edger thoroughly.

4. Clean and lubricate pivot arm assembly: refer to Clean and Lubricate Pivot Arm.

5. Inspect edger blade for wear or other visible damage: refer to Replacing Blade.

6. Tighten all nuts, bolts and screws.

7. Touch up all rusted or chipped paint surfaces. Toro Re-Kote paint is available from an Authorized TORO Service Dealer.

8. Gently pull recoil starter until a drag is felt. This is done to close the valve.

9. Store edger in a clean, dry place. Cover edger to keep it clean and protected.

TORO SERVICE SUPPORT

If help – concerning safety, set-up, operation and maintenance or troubleshooting – is ever needed, contact the local Authorized TORO Service Dealer or Distributor. Refer to the “Yellow Pages” for assistance. In addition to skilled service technicians, the dealer and distributor have factory approved accessories and replacement parts. Keep your TORO all TORO. Buy genuine TORO replacement parts and accessories.

PRODUCT IDENTIFICATION

A model and a serial number decal is located on the lower handle. Always refer to specific numbers on the decal in correspondence or when replacement parts are needed.

MAINTENANCE RECORD

[illegible]

The Toro Promise

A Two Year Limited Warranty

On All

Model 58432 — 2 Cycle

The Toro Company promises to repair these TORO Products if defective in materials or workmanship. The following time periods from the date of purchase apply:

Residential Product 2 Years

Residential Products Used Commercially 45 Days

The costs of parts and labor are included, but the customer pays the transportation costs. Just return any residential product to an Authorized TORO Service Dealer or TORO Distributor.

Should you feel your TORO is defective and wish to rely on The Toro Promise, the following procedure is recommended:

1. Contact any Authorized TORO Service Dealer, TORO Master Service Dealer, or TORO Distributor (the Yellow Pages of your telephone directory is a good reference source).
2. He will either instruct you to return the product to him or recommend another Authorized TORO Service outlet which might be more convenient.
3. Bring the product along with your original sales slip, or other evidence of purchase date, to the service dealer.
4. The servicing dealer will inspect the unit, advise you whether the product is defective and, if so, make all repairs necessary to correct the defect without extra charge to you.

If for any reason you are dissatisfied with the dealer's analysis of the defect or the service performed, you may contact us.

Write:
TORO Customer Service Department
8111 Lyndale Avenue South
Minneapolis, Minnesota 55420

The above remedy of product defects through repair by an Authorized TORO Service Dealer is the purchaser's sole remedy for any defect.

THERE IS NO OTHER EXPRESS WARRANTY. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND

FITNESS FOR USE ARE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY.

Some states do not allow limitation on how long implied warranty lasts, so the above limitation may not apply to you.

This Warranty applies only to parts or components which are defective and does not cover repairs necessary due to normal wear, misuse, accidents, or lack of proper maintenance. Regular, routine maintenance of the unit to keep it in proper operating condition is the responsibility of the owner.

All warranty repairs reimbursable under The Toro Promise must be performed by an Authorized TORO Service Dealer using Toro approved replacement parts.

Repairs or attempted repairs by anyone other than an Authorized TORO Service Account are not reimbursable under The Toro Promise. In addition, these unauthorized repair attempts may result in additional malfunctions, the correction of which is not covered by warranty.

The Toro Company is not liable for indirect, incidental or consequential damages in connection with the use of the product including any cost or expense of providing substitute equipment or service during periods of malfunction or non-use.

Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

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