

**Premium Technology & Unrivalled Endurance**  
**MULTI INTERNATIONAL GOLD MEDALS &**  
**AWARD WINNING LAWN EDGERS & TILLERS**

1711

# DOMESTIC LAWN EDGERS

## 2 Stroke Engines – Model 430

ACN 000 583 924

- Safety Precautions • Assembling • Service
- Operating and Edging Instructions

### Important Manual – Do Not Throw Away

Manual always to be available for reference or instructing new operators.

### Introduction: Gasoline Lawn Edger

This Atom Gasoline Powered Edger is designed to the highest standards to ensure you many hours of uninterrupted service. Pay special attention to the safety precautions. Only persons who understand this Manual are to operate the Edger.

To receive maximum performance and satisfaction from your Edger, it is important that you read and understand the maintenance and safety precautions before using the unit. Contact your Atom dealer or the Atom distributor in your area if you do not understand or cannot carry out any of the operating instructions in this Manual.

Atom's philosophy is to continually improve all of its products. As a result, engineering changes and improvements are made from time to time. Appearances may differ between models. This manual covers information required to operate, maintain and service this Atom Lawn Edger.

AS WITH ANY POWER TOOL IMPROPER USE CAN CAUSE SERIOUS INJURY. Make sure this manual is read and carefully understood before starting or operating this equipment.

**SAFETY WARNING** The purpose of Safety Warnings and Notes in this Manual is to attract your attention to possible dangers and deserve your careful attention and understanding. The Safety Warnings in this Manual and on the Edger do not, by themselves, eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

**WARNING** Failure to obey a safety warning can result in injury to yourself and others.

**NOTE** Advises you of information or instructions vital to the operation or maintenance of the equipment.



FIG 1

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The information contained in this manual is also available at [www.atomindustries.com](http://www.atomindustries.com)

FIG 2

### SAFETY WARNING LABELS



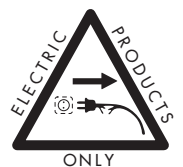
Wear eye protection



15m (50 feet)



Blade cover label



Disconnect the mains plug if the cord is damaged or entangled



Read operators manual



Do not expose motor to moisture

Keep bystanders away

# SAFETY PRECAUTIONS

**⚠ WARNING** As with any power tool, the use of the edger with rotating blades may be dangerous. It is important that you read, fully understand, and observe the following safety precautions and warnings. Re-read this operator's manual and the safety instructions periodically. Read and understand all labels attached to edger.

**⚠ WARNING** Do not lend, rent or sell this machine without the operator's manual. Be sure that anyone using this unit understands the information contained in this manual before use.

**⚠ WARNING** As with any power tool, some special safety precautions must be observed to reduce the risk of personal injury. Careless or improper use may cause serious or even fatal injury.

Safe use of an Atom Edger involves:

1. The Operator.
2. The Atom Edger.
3. The use of the Atom Edger.

## THE OPERATOR

### PHYSICAL CONDITION

Operator must be in good physical condition and mental health, and not under the influence of any substance (drugs, alcohol, etc.) which might impair vision, dexterity or judgement (Fig 3).

Do not operate the Edger when fatigued. Be alert – if you get tired while operating the machine, take a break. Tiredness may result in loss of control. Working with any power tool can be strenuous. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating the machine



FIG 3

**⚠ WARNING** This Edger must not be operated by minors. Bystanders, especially children and animals should not be allowed in the area where a machine is in use and be at least 1.5 metres (50 feet) away (Fig 4). If approached switch off motor immediately. **When not in use store the edger out of reach of children.**



FIG 4

## PROPER CLOTHING

Clothing must be sturdy and snug-fitting, but allow complete freedom of movement (See Fig 5). Avoid loose-fitting jackets, flared or cuffed pants, or anything that could trip the operator. Wear overalls or long pants to protect your legs. **DO NOT** wear shorts. Use of gloves when working with the Lawn Edger is recommended.

Good footing is most important. Wear sturdy shoes with nonslip soles. **DO NOT** wear sandals, open footwear (flip-flops) or operate with bare feet. In hot or sunny conditions, always wear a hat and long sleeve shirt for protection against skin cancers. Use of a good brand of sunscreen cream is also recommended on exposed skin surfaces.

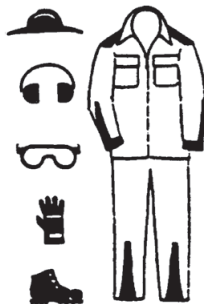


FIG 5

**⚠ WARNING** Proper eye protection is a must. The blade cover may not protect the operator from all moving foreign objects, even though the discharge is directed away from the operator, as ricochets and bouncebacks may occur during edger operations. Never operate an Atom Edger unless wearing goggles or properly fitting safety glasses with adequate front and side protection which comply with ANSI Z 87.1.

**⚠ WARNING** Replace immediately any worn or broken debris deflector shield or blade cover. Check from time to time that all screws are tight. Never operate your machine if it is damaged, improperly adjusted or not completely and securely assembled.

## SAFE MAINTENANCE, REPAIR & STORING

Use only original Atom replacement parts for maintenance and repair. Use of parts manufactured by others will void warranty and/or may cause serious or fatal injury.

**⚠ WARNING** Always stop the motor, make sure that the blades have stopped, before adjusting blade height. Before doing any adjustment, maintenance or repair work, or cleaning the unit or blades, disconnect spark plug cap.

Follow the maintenance instructions in the appropriate section of this manual. Any motor repairs should be carried out by a person with suitable servicing experience.

## SAFE STARTING & WORKING CONDITIONS

Always inspect that the unit is in good working order before use. When working with the Atom Edger, always wrap your fingers tightly around each handle grip. Keep your hands in this position to have your machine under control at all times. **NEVER** attempt to operate the Atom Edger with one hand, as a loss of control may result in serious or fatal injury. Make sure the handle grips are in good condition and free of moisture, oil or grease. Use both hands, one on each handle, to operate and control the edger. Do not overreach. Keep proper footing and balance at all times.

## SAFE FUELING INSTRUCTIONS

**⚠ WARNING** Gasoline is an extremely flammable and explosive fuel. Use extreme caution when handling gasoline. Do not smoke or bring any fire or flame near the fuel.



Refuel outdoors only. **Always switch off the engine and allow it to cool before refueling. Relieve fuel tank pressure by loosening fuel cap slowly.** Never remove fuel filler cap while engine is running.

Select bare ground for fueling, then move at least 3 metres (10 feet) from the fueling spot before starting the engine. Wipe off any spilled fuel before starting your Atom Edger and check for leakage.

Always tighten fuel filler cap securely after fueling.

**⚠ WARNING** Always allow engine to cool before refueling. Accidental spillage of gasoline over hot engine could cause fire or explosion to occur with consequent possible disfigurement or fatal injury. Wash and clean hands after fueling.

## SAFE STARTING

You should always inspect your unit before starting it. Make sure the controls and safety devices are working properly.

Place the machine on firm ground or other solid surface in an open area and stand with one foot on handle cross-brace base. Maintain good balance and secure footing.

**! NOTE** When you pull the starter grip, do not wrap starter rope around your hand. Do not allow grip to snap back, but guide starter rope slowly back to permit rope to rewind properly.

Failure to follow this procedure may result in injury to hand or fingers or may damage the starter mechanism.

**⚠ WARNING** The Atom Edger is a one-person machine. To reduce risk of eye or other injury from thrown objects, ensure that bystanders are at least 1.5 metres (50 feet) away during use. Replace immediately any worn or broken debris deflector shield or blade cover. If approached, release throttle trigger to immediately de-accelerate the engine to idle.

**⚠ WARNING** Prolonged use of any hand-held powered machine exposing the operator to vibrations may produce whitefinger disease (Raynaud's) phenomenon or carpal tunnel syndrome. These conditions reduce the hand's ability to feel and regulate temperature, produce numbness and burning sensations, and may cause nerve and circulation damage and tissue necrosis. Extensive hours of continuous use is not recommended.

# SAFETY PRECAUTIONS (CONTINUED)

## SAFE WORKING INSTRUCTIONS AND IMPORTANT ADJUSTMENTS

Never operate your machine if it is damaged, improperly adjusted or not completely and securely assembled. At correct idle speed, the blade should not turn. Do not use the Atom Edger with incorrect idle speed (refer Adjusting the Carburettor instructions on page 6).

## SAFE MAINTENANCE, REPAIR AND STORING

Use only original Atom replacement parts for maintenance and repair. Use of parts manufactured by others will void warranty and/or may cause serious or fatal injury.

**WARNING** Always stop the engine, make sure that the blade is stopped before adjusting blade height, doing any maintenance or repair work, or cleaning the unit or blade.

Follow the maintenance instructions in the appropriate section of this manual. Any repairs should be carried out by an authorised service dealer or person with suitable servicing experience.

**WARNING** A worn or damaged muffler is a fire hazard and may cause loss of hearing. Check to see that the muffler is in good condition. The lawn edger must not be operated if the muffler is not functioning properly, is damaged, or has been removed. In order to reduce the risk of fire, do not modify or remove any part of the muffler and ensure it is not worn or broken.

Remember that the risk of forest or grass fires is greater in hot weather.

Check fuel filler cap for leaks at regular intervals. Use the specified spark plug and make sure it and the ignition lead are always in good condition.

**WARNING** Never touch a hot muffler as burns will result.

Store Atom Edger in a dry, high or locked location and out of reach of children.

**WARNING** Never store the machine with gasoline inside a building where fumes may reach an open flame or spark (e.g. gas or oil-fired heater appliance, electric motor, etc.)

Before storing for a longer period, always empty the fuel tank.

**WARNING** Start and operate your unit outdoors and in a ventilated area.

Keep the space behind and beside the engine clear at all times to allow for the escape of hot and toxic exhaust fumes.

Operate your machine under good visibility and daylight conditions only. Work carefully.

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

**WARNING** Do not touch hot engine during and immediately after use as you may burn yourself.

## ASSEMBLING 430 ///ATOM® EDGER

1. Fit bolt #1 through captive plate #2 (Note: arrow to front), through handle tube #3, main casing body, then handle tube #4 on other side. Screw on handle knob #5 loosely (Fig. 7).
2. Fit cross brace #6 to both handle tubes #3 & #4 using screws #7 and nuts #8.
3. Rest throttle cable and switch wire #9 on top of cross brace #6 and fit RH throttle handle #10 onto end of handle tube #4. Use screw #7 & nut #8 to secure handle. Repeat for left handle #11.
4. Clip throttle cable and switch wire #9 into slot on top of cross brace (as shown in Fig. 7). Clip cable and wire to handle #13. Tighten handle knob #5.
5. When assembled unit will look like Fig. 8.
6. Adjust edger height with handle adjuster #12. Try hole 2 for first edging attempt.

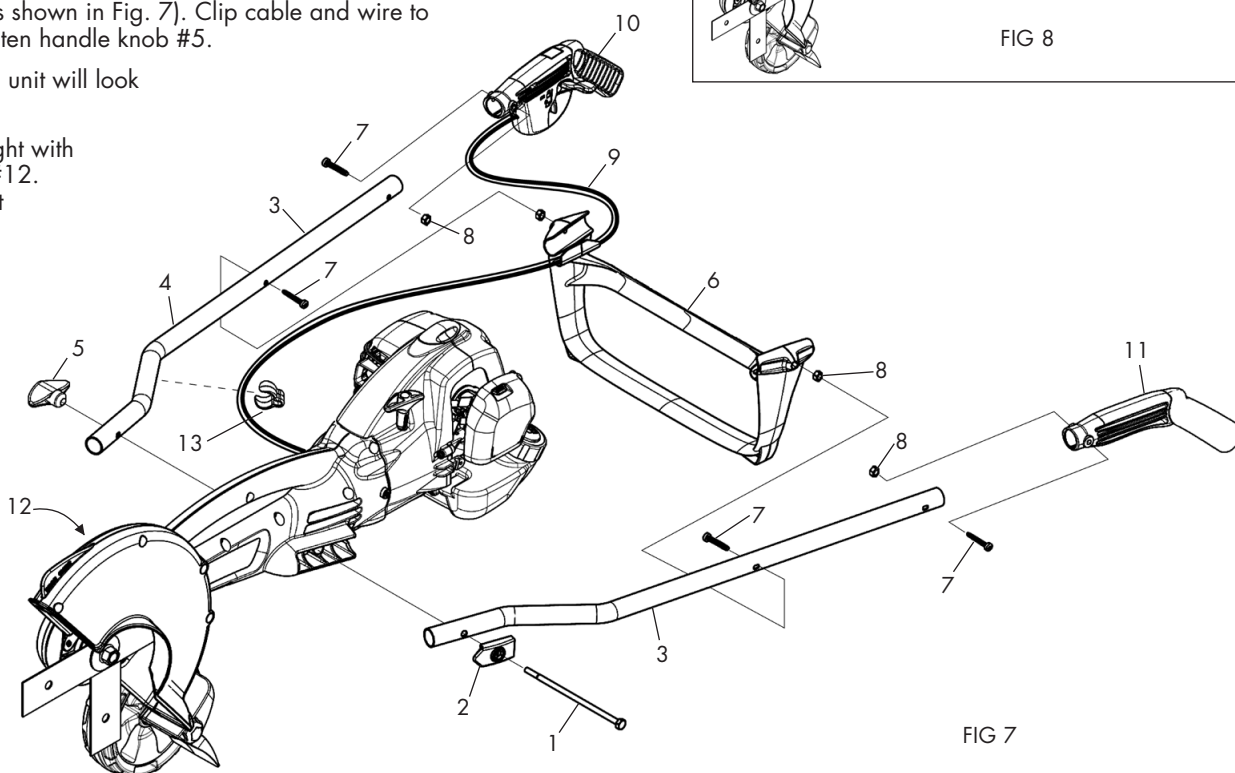


FIG 8

FIG 7



# PARTS & CONTROLS

- 1+2. The handles of the edger are held by both hands.
3. The throttle interlock which releases the throttle trigger which increases the speed of the automatic safety clutch to engage and thus rotate blades.
4. Handle knob for holding handle tubes onto housing.
5. Depth adjustment for adjusting wheel to regulate blade depth.
6. Handle to carry edger.
7. Blade cover reduces the risk of flying debris and direct contact with the feet or hands.
8. Blades rotate when engine speed is increased above idle.
9. Nut for holding blades (RH thread).
10. Wheel for moving and guiding edger.
11. Cross Brace, attaches downward on handle.
12. Handle Tubes.
13. Warning labels.
14. Edge guide.
15. Fuel tank.
16. Carburettor primer.
17. Ignition ON/OFF switch.
18. Fuel tank cap.
19. Choke lever.

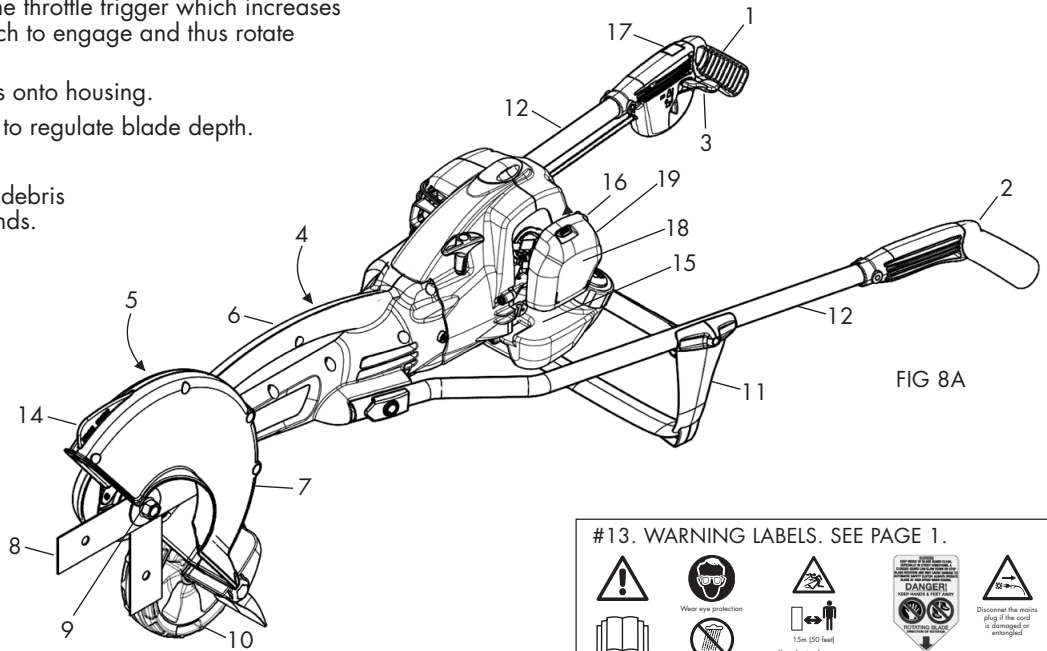
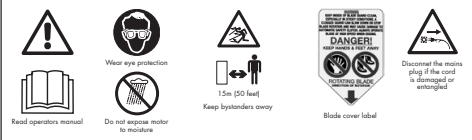


FIG 8A

#13. WARNING LABELS. SEE PAGE 1.



# FUELS & OILS

## ⚠ WARNING DANGER!

Fuel is extremely flammable. Handle it with care. Keep away from ignition sources. Do not smoke while fueling your equipment.

**⚠ WARNING** Always allow engine to cool before refueling. Accidental spillage of gasoline over a hot engine could cause fire or explosion to occur.

## FUEL MIX – 2 STROKE ENGINES

**IMPORTANT** **USE AN OIL & GASOLINE MIXTURE.** Only use 50:1 specialised 2-stroke oils from lawn and garden equipment shops. Do not use outboard engine oil. Do not use Ethanol based gasoline.

### REMEMBER...

- Always mix two-cycle oil with clean regular or premium unleaded gasoline before fuelling your engine. Never, ever run your 2-stroke engine on gasoline alone. This will ruin your engine and void all warranties.
- Always use a clean gas can and always use unleaded gas.
- Never try to mix the oil and gasoline in the engine fuel tank.
- Always mix oil and petrol in the proper proportions: 80ml of 50:1 two-cycle engine oil to 4 litres of unleaded petrol.
- Old two-cycle fuel separates and ages. Do not mix more than you will use in a month. Using old fuel may cause difficult starting or engine damage. Shake fuel container to thoroughly mix fuel before each use. Do not attempt to run your engine on gasoline only, this will cause engine failure and void engine warranty.

**! NOTE** Use only clean regular or premium unleaded petrol (gasoline) in your 2 or 4-stroke engine.

**⚠ WARNING** Pressure may build up in the canister. Remove fuel cap slowly to avoid injury from fuel spray. Replace fuel cap securely. Take care when handling gasoline. Avoid direct contact with the skin and avoid inhaling fuel vapor.

Before unscrewing fuel tank cap to fuel the engine, clean the tank's cap and area around it to ensure that no dirt falls into the tank.

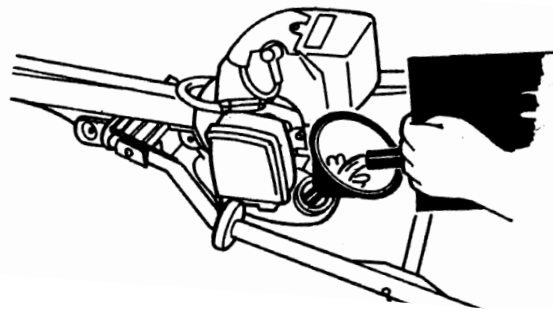


FIG 10

2-STROKE FUEL MIX

**⚠ WARNING** Fill or add fuel to the tank only when the edger is in a horizontal position as shown (Fig. 10). Allow engine to cool down for at least 5 minutes before adding fuel. Use a fuel funnel (not supplied) to prevent spills.

**! NOTE** It is recommended that the fuel lines be replaced every 5 years. Use only genuine replacement parts.

**! NOTE** Ethanol fuels absorb water if left in fuel tanks for long periods and can cause hard starting and poor performance.

# STARTING & STOPPING INSTRUCTIONS

Place edger on ground in horizontal position. See Fig. 14 below.

## COLD START

1. Switch engine on (Fig. 11). Engine starts on idle.
2. Slide choke lever up to full choke ON position (Fig. 12).
3. Press and release the primer bulb 10 times (Fig. 13). For first time starting of new unit, press primer bulb 20 times to remove any air from carburettor.
4. Make sure you have a firm footing. With one foot on cross brace, hold down motor with left hand. With right hand pull the starter grip slowly until you feel it engage – and then give it a FAST pull (Fig. 14).
5. When engine starts to run allow it to run on half choke for a few seconds to warm up, then push choke off (down) to engine run position. If motor stops repeat 4 (NO CHOKE).
6. Throttle Trigger (engine accelerator control) is operated by pushing down interlock with thumb and pulling on trigger (Fig. 11).

## HOT OR WARM START

7. Switch ignition on and follow instruction 3 and 4.

## FLOODED ENGINE

8. Ignition ON, choke lever OFF in run position.
9. Pull starter rope up to 10 times to clear excess fuel.
10. If engine has excessive fuel that cannot be cleared, remove spark plug from engine and from spark plug terminal, crank engine to clear excess fuel, wipe and dry spark plug of all fuel, re-install spark plug terminal, and restart as above. Otherwise allow to stand for 30 minutes before restarting.

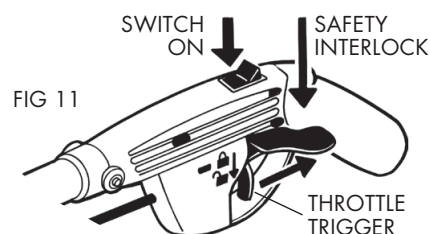


FIG 11

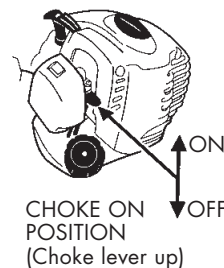


FIG 12

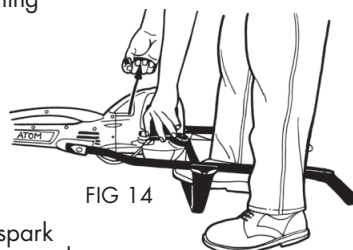


FIG 14

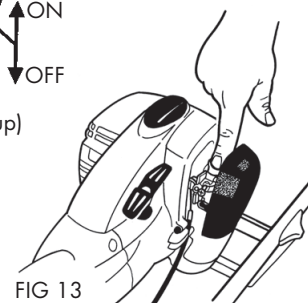


FIG 13

# EDGING INSTRUCTIONS

1. The Atom Edger is very easy and simple to use. You will soon become an expert after a few edgings.

2. Thoroughly inspect the area where the edger is to be used and remove all stones, sticks, wires and other foreign objects.

3. Adjust blade height (Fig. 15) and with new blade, try No. 2 position.

4. **Start engine.**

5. **Use both arms extended downwards**, as in Fig. 16, hold both handle grips firmly. Accelerate engine by pushing down safety interlock with thumb and pulling trigger (Fig. 11). Do not overload motor, allow it to run freely. To stop blades rotating, release trigger.

6. If blade is not deep enough, or if digging too deep, adjust blade height, to suit depth required (Fig. 15). **It is always more comfortable and relaxed to have arms fully extended downwards** as shown in Fig. 16 and on front cover illustration.

7. Do not lift handles by excessive bending of elbows (Fig. 17).

8. As cutting action begins, move the lawn edger forward so that the blade can cut the edge as you move forward (Fig 16 & 18).

9. Continue at a moderate pace until you are familiar with the controls and the handling of the Atom Edger.

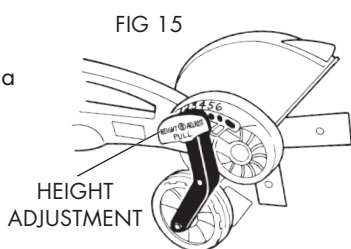


FIG 15



FIG 16

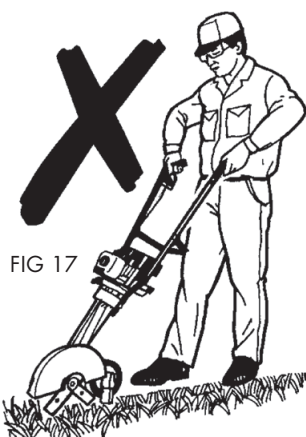


FIG 17

**! WARNING** Only operate unit when moving forward. DO NOT operate walking backwards, as you may trip, fall and injure yourself.

10. Blade rotating speed should be fast under load. If blade rotates slowly, jams or stops in the ground (Fig. 19), lower handles, pull unit back, release trigger and recommence (Fig. 18). Re-adjust blade height (Fig. 15).

11. Clutch: The Atom Edger is equipped with a safety clutch. DO NOT run edger if blade is jammed, as clutch shoes will prematurely wear and cause damage if cutting blades do not rotate (Fig. 19).

12. Edging along concrete edge: For position of blade, align edge guide (at front of blade cover) with edge of concrete. If blade hits concrete, lower handles and re-position blade at side of concrete.

**! NOTE** A built in automatic centrifugal clutch disengages the blade from rotating at engine idle speed. The clutch engages the blade when the engine speed is increased.

13. Even with the grass growing over the concrete and you cannot see the edge, you can feel the edge of the concrete with the rotating blades by slightly sideways tilting the handles of the edger away from the concrete so that the blades tilt towards the concrete and skim below the concrete edge which acts as a guide (Fig. 20). Edger blades are made from high tensile hardened spring steel and will last a long time. Once the edge is established the second and subsequent times around are very fast.

14. Sideways Tilting: Lower either left or right handle to achieve angle cutting (Fig. 21).

15. Remove any tangled grass matter around blade and shaft to prevent damage.

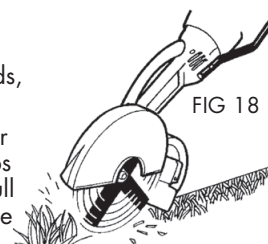


FIG 18

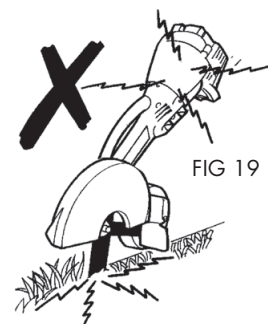


FIG 19

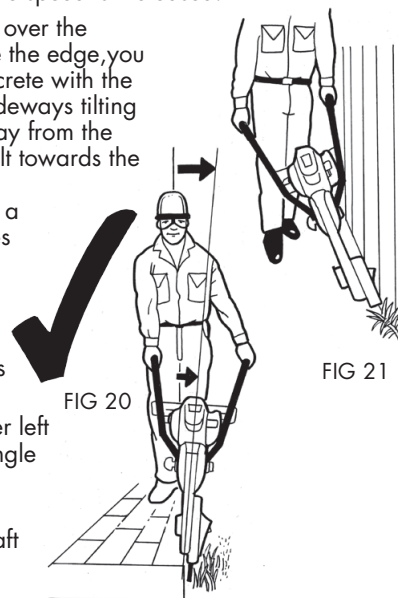


FIG 20

FIG 21

# EDGING INSTRUCTIONS (CONTINUED)

## ! WARNING

To avoid personal injury, never carry the edger while the motor is running. Never hold the handle cross brace if the motor is running. (Fig. 22) Stop the engine prior to lifting or carrying. The Lawn Edger can be transported by guiding it on its wheel, or carrying it with motor switched off holding handle between blade cover and motor.

FIG 22



## ! NOTE

Keep the inside of blade guard clean, especially in muddy conditions. A clogged guard can slow down or stop blade rotation and may cause damage to automatic safety clutch. Always operate blade at high speed when edging.

To prevent damage to Edger body, untangle and remove any grass, vines or wire that may wrap around the blade drum.

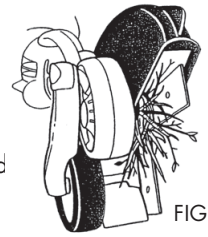


FIG 23

# MAINTENANCE INSTRUCTIONS

## BLADE REPLACEMENT

1. Use impact driver to undo blade nut, then proceed to instruction 4. Otherwise clean area around dust cover #62936 and pry off with screwdriver (Fig. 24) exposing 14mm hex head (for unscrewing blade nut).
2. Through dust cover hole, place **14MM FULL 6 SIDED 6 pointed socket spanner** (do not use 12 sided 12 pointed socket spanner) over hex head, and use 19mm (or adjustable) spanner on blade nut. (Fig. 25).
3. Unscrew blade nut counter (anti) clockwise (normal right hand thread).
4. Remove nut, one large washer and two blades (Fig. 26). Before installing blade and washers, clean off all grit and grease. Re-assemble these parts clean and dry. Fit large washer, new blades #43105 with spiggots of one blade interlocking with holes on opposite blade, large washer and nut. Tighten nut to 15-20ft.lbs. (20-27Nm) or hand tight with 8" (200mm) or longer spanner.

FIG 24

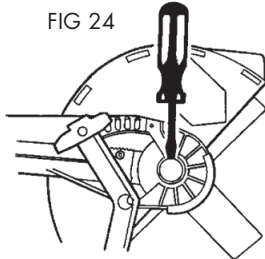
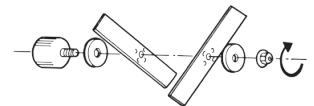


FIG 25



FIG 26 FITTING INSTRUCTIONS

FIT BLADES AT RIGHT ANGLES  
2 SPIGOTS ON EACH BLADE  
FIT INTO HOLES OF OTHER BLADE

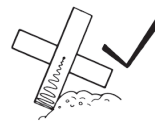


## ! WARNING

USE ONLY ORIGINAL ATOM BLADES #43105. Other blades have larger size holes (1/2") which will cause out-of-balance vibrations which will damage unit and cause injury. Other blades can also break and cause major injury. Circular blades must not be used. Only use ORIGINAL Atom blades otherwise warranty is VOIDED.

## ! NOTE

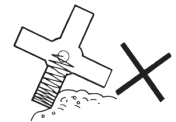
Always use two blades as shown above. Never use a single blade. Do not use other thicker blades as you will damage the unit.



Hardened Atom spring steel cross blades absorb shock when rocks and hard objects are hit, ensuring long edger life.



Non-Atom edger blades do not absorb shock due to solid stiff construction. Gear and edger life is reduced. NO WARRANTY allowed if damage to Atom unit caused by use of non genuine Atom parts.



## AIR FILTER MAINTENANCE

### ! NOTE

Clean and re-oil the air filter every 20 hours of operation or weekly.

1. The air filter (Fig. 27B) is one of the most important areas to maintain. If it is not maintained, you will void the warranty. Before cleaning, make sure the unit is turned off.
2. To remove press clip on filter cover (Fig 27A). If filter torn or dirty replace.
3. Wash the filter in detergent and water (Fig 28). Rinse the filter thoroughly and dry with compressed air.
4. Apply enough clean SAE 30 or 2-stroke oil to saturate the filter when squeezed. Squeeze the filter to spread the oil and to remove excess oil. Re-install the filter element.
5. Replace fuel lines every 3 years or sooner if damaged.

FIG 27A

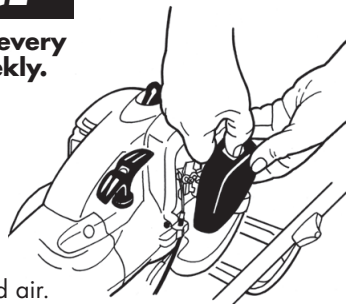


FIG 27B

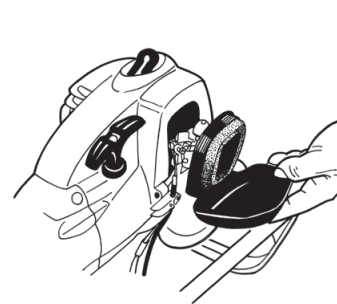
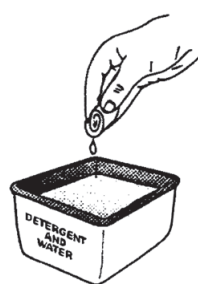


FIG 28



## ! NOTE

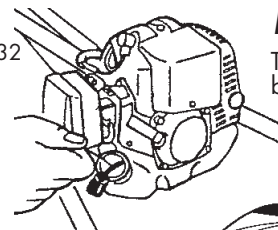
If the unit is operated with dry or dirty filter or without the air filter and/or carburetor air filter cover, you will void the warranty.

## CARBURETTOR ADJUSTMENT

The idle speed can be adjusted as shown (Fig. 29). Adjust idle speed clockwise for higher engine speed. Adjust so blade does not turn.

The jets can only be adjusted by your Repair Specialist. A service tool (Part No. 63627) is required (Fig. 30). The throttle cable can be adjusted as shown (Fig. 31).

FIG 32



## FUEL FILTER

The fuel filter can be cleaned by hooking out with a piece of wire and blowing with compressed air (Fig. 32).

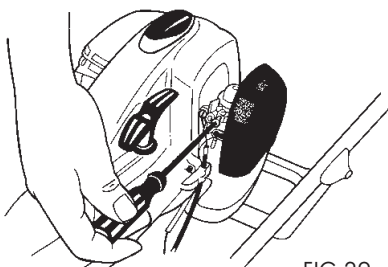


FIG 29

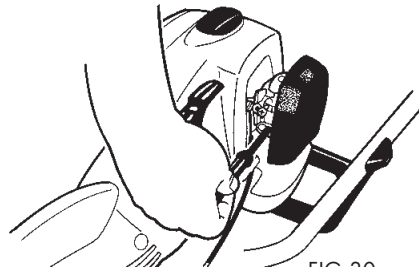


FIG 30

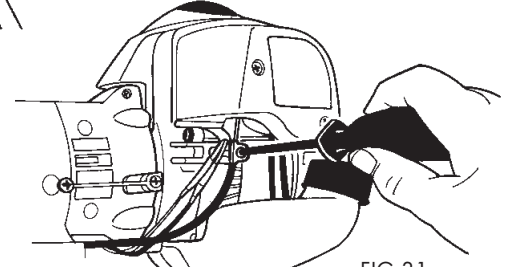


FIG 31



# ///ATOM® DOMESTIC EDGER PARTS LIST

## DOMESTIC MODEL 430 – 2 STROKE

KEY#	PART NO.	DESCRIPTION
1	40650	SCREW M5 X 36
3	40651	SCREW M6 X 16
4	40652	NUT NYLOC 5MM
5	42111	WHEEL SEAL 27.2 X 12.6
6	43105	BLADE 10.7" X 48 X 1.9 (SET OF 2)
7	43112	BLADE DRUM
8	43114	BLADE SHAFT DRIVE
9	43128	WARNING LABEL BLADE COVER
10	43172	NUT NYLOC 3/8" UNC
11	43198	TRIGGER COMP. SPRING
12	43199	SPRING SMALL
13	43218	3/8" FLAT WASHER
14	43227	GREASE
15	43245	CROWN GEAR WITH BUSH
16	43452	HT. ADJ. COMP SPRING
17	43719	DEBRIS DEFLECTOR SPRING
18	43790	SCREW 5.5MM FOR PLASTIC
19	43860	BEARING 32 X 10 X 12 +4MM
20	44006	NUT 1/4" UNC
21	44060	UNIVERSAL HANDLE TUBE
22	44302	HEIGHT ADJ ARM PIN
23	44304	WHEEL AXLE BOLT 3/8" X 5.5"
25	44318	CLUTCH DRUM CUP 54MM
26	63424	ENGINE ATOM 26CC SCF
28	62843	HEX BOLT 3.5 X 1/4 BSW
29	62912	FLANGE HUB
30	62917	EDGER GEAR SEAL
31	62919	NUT NYLOC 1/4" UNC
32	62925	SHAFT UNIVERSAL
33G	63897GP	LH+RH GREEN EDGER BODY SET
35	63808WE	COVER OUTER/INNER BLADE SET
36	62929WP	DEBRIS DEFLECTOR
37	62930WP	DEBRIS DEFLECTOR LIMITER BODY
38	62931WP	DEBRIS DEFLECTOR LIMITER CAP
39	62932WP	HANDLE HEIGHT ADJ
40	62933WP	WHEEL ARM EDGER
41	62934	TUBE WHEEL 94MM
42	62936WN	DUST CAP EDGER
45	62983	HARDENED WASHER 54 X 12 X 2
47	63002	THROTTLE CABLE 910+58
48	63471BP	HANDLE RH DOMESTIC
49	63472BP	HANDLE LH DOMESTIC

KEY#	PART NO.	DESCRIPTION
50	63020WE	CROSS BRACE
51	63021BP	COVER TRIGGER
52	63883A	THROTTLE TRIGGER AND THROTTLE INTERLOCK SET
54	63898MA	MANUAL 430
55	63032	NUT FLANGE 3/8" UNC
56	63033	NUT FLANGE M12 X 1.75 RH
57	63049	BOLT HEX 6.5 X 1/4" BSW
58	63187BN	CAPTIVE PLATE 1/4" HEX PIECE
59	63488A	HANDLE KNOB AND NUT
60	63217BN	CABLE CLIP
61	63277	CLUTCH WASHER
62	63327	WASHER 26 X 6.5 X 1.6
63	63348	O'RING 18 X 4
66	63445BP	WHEEL DOMESTIC
67	43176	PINION GEAR 3/8" UNC
68	63400	ROCKER SWITCH WITH WIRE
69	63407	LABEL-ATOM LAWN EDGER
70	63457	WASHER 1/4 X 1/2 X 1.6
71	63466	LABEL-HANDLE
72	63474	BEARING 32 X 10 X 12
73	63533WE	HOOK EDGER CABLE
74	63973A	ASSY CLUTCH
<b>☆ SERVICE ASSEMBLIES NOTE</b> We recommend factory produced assemblies for replacements as they are more economical by substantially reducing labour costs and time to repair.		
☆201	63540A	ASSEMBLY HANDLE RH WITH SWITCH, WIRE & CABLE
☆202	63811AWP	ASSEMBLY WHEEL ARM & ADJUSTMENT
☆203	63437A	ASSEMBLY WHEEL WITH TUBE & SEAL
☆204	63971AWP	ASSEMBLY WHEEL, WHEEL ARM, DEBRIS DEFLECTOR
☆205	63447A	ASSEMBLY SHAFT
☆206	63434AGP	ASSEMBLY COMPLETE 430 MAIN BODY WITHOUT ENGINE, HANDLES, CROSSBRACE & WHEEL ARM ASSY STAGE I
☆210	63970GPA	ASSEMBLY COMPLETE 430 MAIN BODY WITHOUT ENGINE, HANDLES & CROSSBRACE STAGE 3

## TO REPAIR THROTTLE TRIGGER ASSEMBLY

1. Remove 2 screws and remove cover and all parts. Re-assemble as follows.
2. Fit throttle inter-lock compression spring (Fig. 29).
3. Fit trigger compression spring then trigger. Front of Trigger spring fits over retainer post (Fig. 30).
4. Fit throttle cable to position shown for model 430 (Fig. 31)

FIG 29

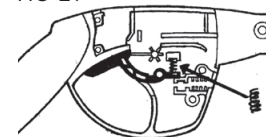


FIG 30

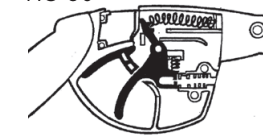
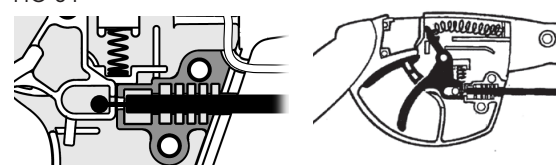


FIG 32



FIG 31

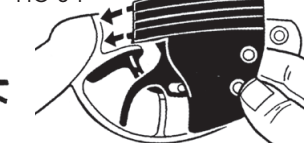


5. Push switch down into handle switch recess (Fig.32) Run switch wire through handle (Fig.33).

FIG 33



FIG 34



6. Hold trigger in place with finger until throttle cover is fitted (Fig. 34). Ensure throttle cover rear tabs (arrowed) engages underside of handle wall. Screw cover to handle with 2 screws.

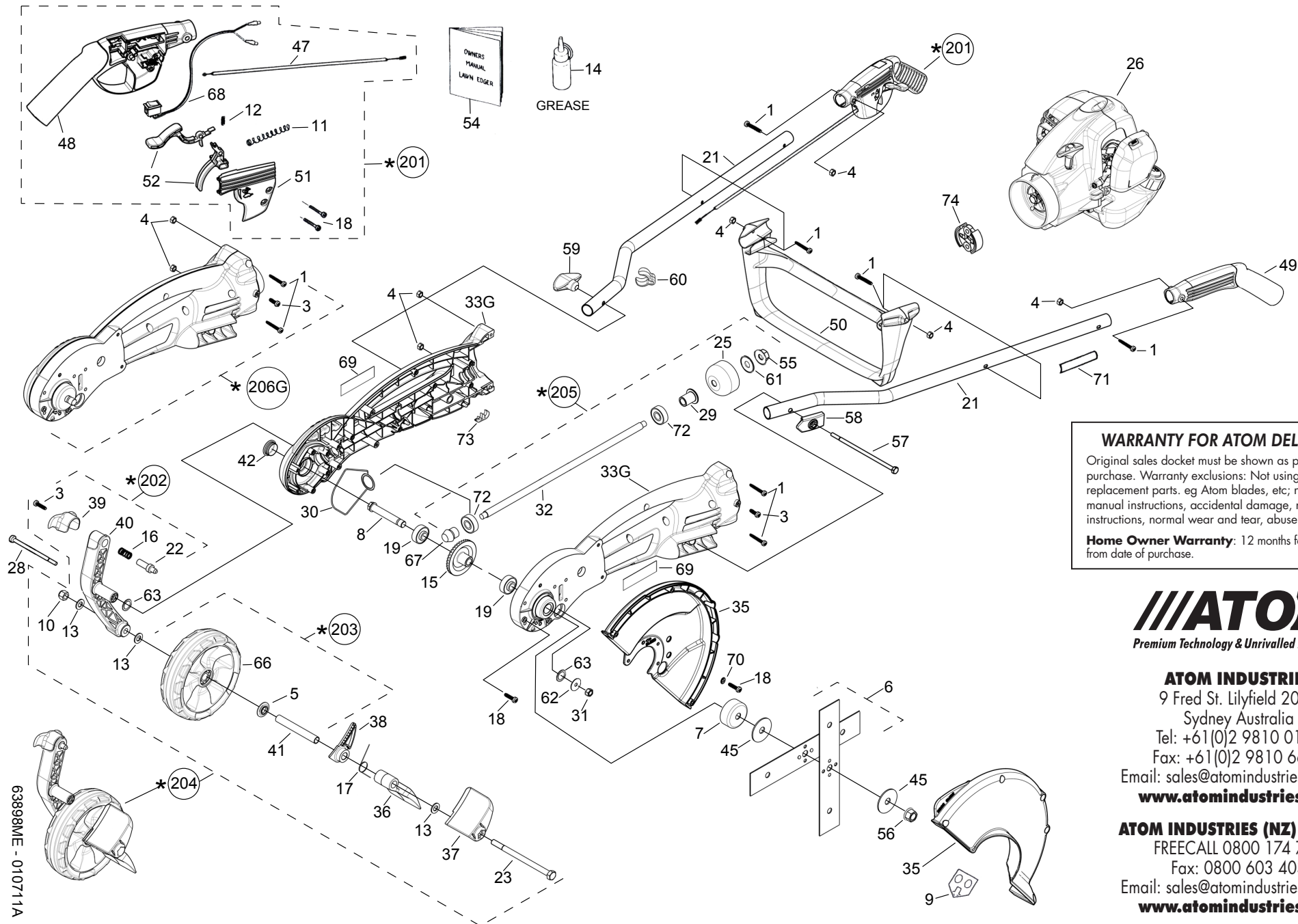
### LUBRICATION OF GEARS

There is sufficient lubrication to last the lifetime of the unit.

## TROUBLESHOOTING TIPS

PROBLEM	CAUSE	ACTION
1. Blades do not turn when operating	Loose blade nut or incorrect assembly.	Tighten blade nut (or add washer under nut).
	Blade cover filled with dirt/grass/mud.	Clean.
	Blade stops under load when blade depth is too low.	Cut less depth.
	Clutch slipping.	Cut less depth, clean or run engine at full throttle.
2. Motor lacks power or blade stops rotating	Cutting too deep.	Raise cutting depth and see (1) above. Carburettor requires adjustment.
	Wrong blade fitted.	Only use ORIGINAL Atom blade set #43105
3. Heavy vibration	Worn clutch or clutch drum or damaged drive.	Take to service dealer.
	Ignition switch is OFF.	Turn switch on.
4. Engine will not run or runs and stops	Choke ON.	Push choke to OFF position.
	Partially empty fuel tank/dirty fuel tank.	Fill tank/clean.
	Primer bulb not pushed enough times.	Press primer bulb fully and slowly 10 times.
	Engine is flooded	Use starting procedure without choke.

# ///ATOM® DOMESTIC EDGER • MODEL 430 2-STROKE



## WARRANTY FOR ATOM DELUXE EDGERS

Original sales docket must be shown as proof and date of purchase. Warranty exclusions: Not using genuine Atom replacement parts, eg Atom blades, etc; not following operator manual instructions, accidental damage, not following service instructions, normal wear and tear, abuse and rough handling.

**Home Owner Warranty:** 12 months for parts and labour from date of purchase.

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Premium Technology & Unrivalled Endurance

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