

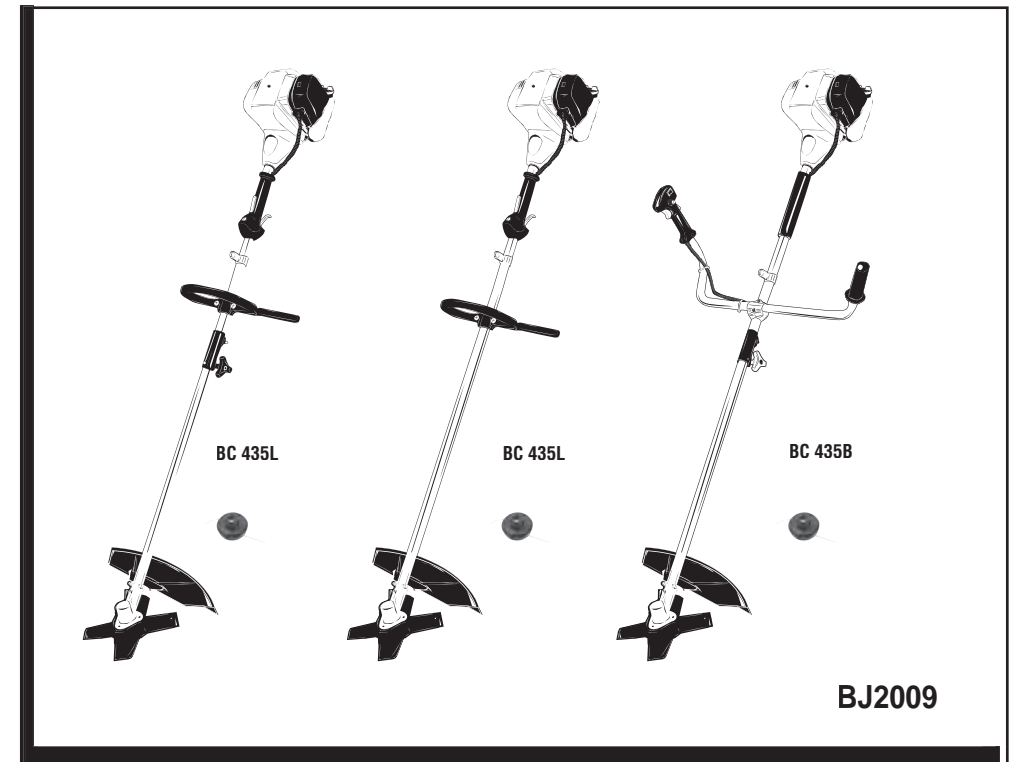
Partner®



USER MANUAL

Brush Cutter/Grass Trimmer, Gasoline

Partner®



WARNING • PLEASE READ

For your own safety please read this manual before attempting to operate your new unit. Failure to follow instructions can result in serious personal injury. Spend a few moments to familiarize yourself with your trimmer before each use.

Husqvarna AB
SE-561 82 Huskvarna
Sweden

Model No.: BC 435L / BC 435B

Partner®

GB

XXXXXXX

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Meaning of symbols marked on the product

	Read the user manual before using the machine		Keep people or animals at least 15m away from the machine during operation
	Whenever the machine is in use, safety goggles must be worn to safeguard against flying object, as must ear protectors, such as a soundproof helmet, in order to protect the operator's hearing. If the operator is working in an area where there is a risk of falling objects, a safety helmet must also be worn		Warning! Cutting elements continue to rotate after the engine turned off
			Warning: Rotating blades
			Beware of thrown objects
	Warning! Hot surface		Acoustic power level LWA accordance with directive 2000/14/EC + 2005/88/EC
			Maximum rotational frequency of the spindle for cutting head
	Wear gloves to protect your hands		Maximum rotational frequency of the spindle for blade
	Wear feet protection		

WARNING! When using gas tools, basic safety precautions, including the following, should always be followed to reduce the risk of serious personal injury and/or damage to the unit.

Read all these instructions before operating this product and save these instructions.

WHAT TO DO

READ YOUR USER MANUAL AND ALL SUPPLEMENTS (IF ANY ENCLOSED) THOROUGHLY BEFORE OPERATING YOUR UNIT.



WARNING: Keep children, bystanders, and animals 50 feet (15 meters) away. If approached stop unit immediately.

1. **Wear close fitting, tough work clothing** that will provide protection, such as long slacks or trousers, safety work shoes, heavy duty work gloves, hard hat, a safety face shield, or safety glasses for eye protection and a good grade of ear plugs or other sound barriers for hearing protection.
2. **Prequel in a safe place.** Open fuel cap slowly to release any pressure which may have formed in fuel tank. To prevent a fire hazard, move at least 10 feet (3 meters) from fueling area before starting.
3. **Comply with all fire prevention regulations. compliance with all local, state, or federal laws in the united states is the user's responsibility.** Your unit comes with a spark arrester screen furnished in the user kit. Replacement spark arrester screen kits are available from distributor.
4. **Turn unit off** before setting it down.
5. **Always hold unit firmly with both hands,** the thumb and fingers encircling the handles.

6. **Keep all screws and fasteners tight.** Never operate your equipment when it is improperly adjusted or not completely and securely assembled.
7. **Keep handles dry,** clean and free of fuel mixture.
8. **Keep stringhead as close to ground as practical.** Avoid hitting small objects with stringhead. When cutting on a slope, stand below stringhead. NEVER cut or trim on a hill or slope, etc. if there is the slightest chance of slipping, sliding or losing firm footing.
9. **Check area you will be trimming for debris** that may be struck or thrown during operation.
10. **Keep all parts of your body and clothing away from stringhead** when starting or running engine. Before starting engine, make sure stringhead will not come in contact with any obstacle.
11. **Stop engine** before examining cutting line.
12. **Store equipment away from possible ignition sources,** such as gas-powered water heaters, clothes dryers, or oil-fired furnaces, portable heaters, etc.
13. **Always keep** the debris shield, stringhead, and engine free of debris build-up.
14. **Operation of equipment** should always be restricted to mature and properly instructed individuals.
15. **WARNING:** The emission of exhaust gases is toxic.
16. **Emergency Stopping Procedure.** When it is necessary to stop engine immediately, DEPRESS the switch to stop.
17. This unit has a clutch, routines for checking that the cutting attachment stops turning when the engine idles.

BRUSH / GRASS BLADE SAFETY PRE-CAUTIONS

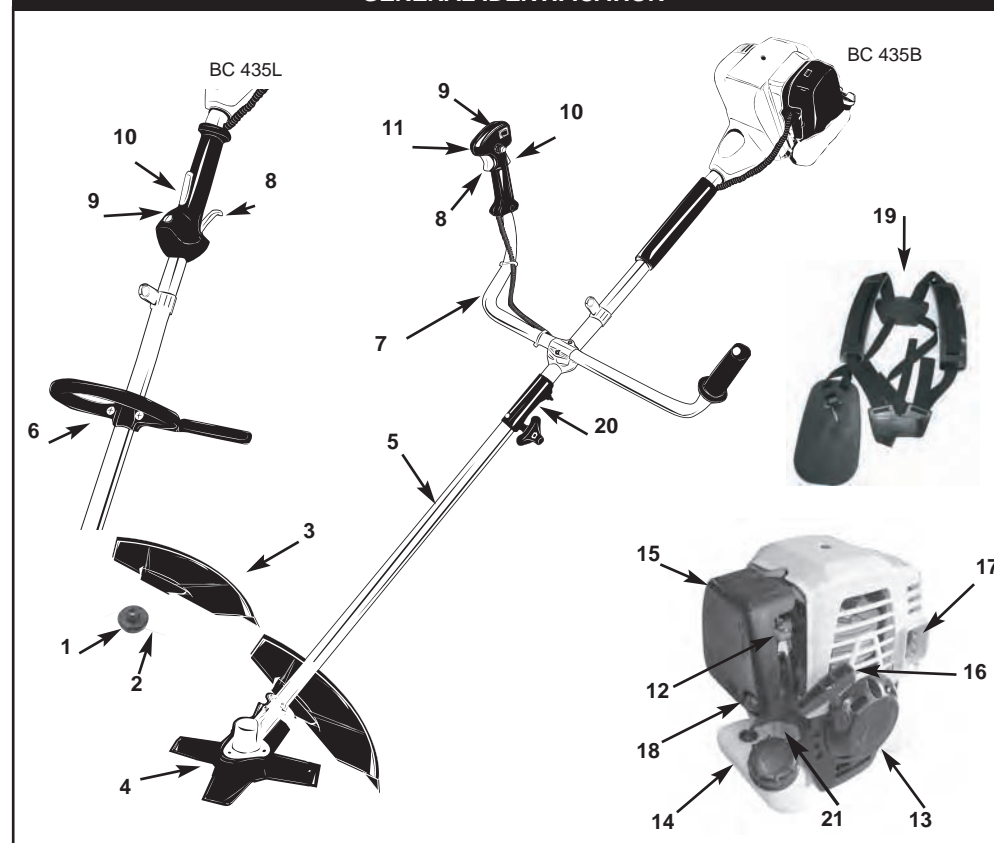
1. FOLLOW ALL WARNINGS and instructions regarding operation and blade installation.
2. BLADE CAN VIOLENTLY THRUST AWAY FROM MATERIAL IT CANNOT CUT - **Blade thrust can cause amputation of arms or legs.** Keep people and animals 50 feet (15 meters) away in all directions. If blade contacts foreign objects during operation, turn off engine and allow coasting blade to stop. Then check blade for damage. Always discard blade if it is warped or cracked.
3. BLADE THROWS OBJECTS VIOLENTLY - You can be blinded or injured. Wear eye, face, and leg protection. Always clear work area of any foreign objects before using blade. Keep people and animals 50 feet (15 meters) away in all directions.
4. INSPECT YOUR TRIMMER AND ATTACHMENTS BEFORE EACH USE - Never use unless all blade-attaching hardware is properly installed.
5. BLADE COASTS AFTER THROTTLE IS RELEASED - A coasting blade can cut you or bystanders. Before performing any service on the blade, always turn off engine, and be sure coasting blade has stopped.
6. 50 FEET (15 meters) DIAMETER HAZARD ZONE - Bystanders can be blinded or injured. Keep people and animals 50 feet (15 meters) away in all directions.

WHAT NOT TO DO

1. DO NOT USE ANY OTHER FUEL than that recommended in your manual. Always follow instructions in the Fuel and Engine oil section of this manual. Permanent damage to engine will result, voiding manufacturer's warranty.
2. DO NOT SMOKE while refueling or operating equipment.
3. DO NOT OPERATE UNIT WITHOUT A MUFFLER and properly installed muffler shield.
4. DO NOT TOUCH or let your hands or body come in contact with a hot muffler or spark plug wire.
5. DO NOT OPERATE UNIT IN AWKWARD POSITIONS, off balance, outstretched arms, or one-handed. Always use two hands when operating unit with thumbs and fingers encircling the handles.
6. DO NOT RAISE CUTTING HEAD above ground level while unit is operating. Injury to operator could result.
7. DO NOT USE UNIT FOR ANY PURPOSES OTHER than trimming lawn or garden areas.
8. DO NOT OPERATE UNIT FOR PROLONGED PERIODS. Rest periodically.
9. DO NOT OPERATE UNIT WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.

10. DO NOT OPERATE UNIT UNLESS CUTTING ATTACHMENT GUARD AND/OR GUARD IS INSTALLED AND IN GOOD CONDITION.
11. DO NOT ADD, REMOVE OR ALTER ANY COMPONENTS OF THIS PRODUCT. Doing so could cause personal injury and/or damage the unit voiding the manufacturer's warranty.
12. DO NOT operate your unit near or around flammable liquids or gases whether in or out of doors. An explosion and/or fire may result.
13. DO NOT USE ANY OTHER CUTTING ATTACHMENT. Use only Partner replacement parts and accessories, which are designed specifically to enhance the performance and maximize the safe operation of our products. Failure to do so may cause poor performance and possible injury. Use only the cutting head supplied with this product. *Do not use any other cutting attachment.* Use of such attachments will void your factory warranty and could result in serious bodily injury.

GENERAL IDENTIFICATION



- | | | |
|---|--------------------------------|--------------------------------|
| 1. CUTTING HEAD | 7. "BULLHORN" HANDLE (BC 435B) | 13. STARTER ROPE HOUSING |
| 2. FLEXIBLE LINE | 8. THROTTLE TRIGGER | 14. FUEL TANK |
| 3. CUTTING ATTACHMENT GUARD | 9. ON/OFF SWITCH | 15. AIR FILTER COVER |
| 4. BLADE | 10. THROTTLE TRIGGER LOCK OUT | 16. STARTER HANDLE |
| 5. OUTPUT SHAFT | 11. THROTTLE LOCK | 17. MUFFLER SHIELD |
| 6. "LOOP WITH BARRIER" HANDLE (BC 435L) | 12. CHOKE LEVER | 18. PRIMER BULB |
| | | 19. HARNESS |
| | | 20. COUPER (BC 435B / BC 435L) |
| | | 21. OIL TANK |

SAFETY FEATURES

- 3 cutting attachment guard must be installed to prevent debris from being thrown at the operator and prevent the string from extending longer than necessary.
- 17 MUFFLER SHIELD helps prevent hands, body and/or combustible materials from making contact with a hot muffler.

SPECIFICATIONS

Model No.	BC 435L (965874001)	BC 435B
Engine Type	Air-cooled, 4-cycle, Chrome Cylinder	Air-cooled, 4-cycle, Chrome Cylinder
Displacement	35 cm ³	35 cm ³
Dry Weight	6.35Kg	6.5Kg
Fuel Capacity	730 cm ³	730 cm ³
Bump Head	Twin Line Bump Feed	Twin Line Bump Feed
Blade 4 Teeth	4 Teeth	4 Teeth
Drive Shaft Length	66cm + 66cm	66cm + 66cm
Cutting Width (Twin Line Head)	43cm	43cm
(Blade)	23cm	23cm
Handle	"Loop With Barrier" Handle	"Bullhorn" Handle
Ignition	Electronic	Electronic
Drive	Centrifugal Clutch	Centrifugal Clutch
Sound pressure level	101.6 dB(A)	101.6 dB(A)
Sound power level	111.17dB(A)	111.17 dB(A)
Guarantee sound power level	112 dB(A)	112 dB(A)
Vibration level for racing (Max.)	<15 m/s ²	<15 m/s ²
Vibration level for idling (Max.)	<15 m/s ²	<15 m/s ²
Maximum Engine Performance	0.90 kW	0.90 kW
Engine Speed (rotational frequency) at recommended max. spindle rotational frequency		
(Bump Feed Head)	8700 min ⁻¹	8700 min ⁻¹
(Blade)	9500 min ⁻¹	9500 min ⁻¹
Idle speed	3000±200 min ⁻¹	3000±200 min ⁻¹
Fuel consumption	700 g/kWh	700 g/kWh

SPECIFICATIONS

Model No.	BC 435L
Engine Type	Air-cooled, 4-cycle, Chrome Cylinder
Displacement	35 cm ³
Dry Weight	6.2Kg
Fuel Capacity	730 cm ³
Bump Head	Twin Line Bump Feed
Blade 4 Teeth	4 Teeth
Drive Shaft Length	132cm
Cutting Width (Twin Line Head)	43cm
(Blade)	23cm
Handle	"Loop With Barrier" Handle
Ignition	Electronic
Drive	Centrifugal Clutch
Sound pressure level	101.6 dB(A)
Sound power level	111.17dB(A)
Guarantee sound power level	112 dB(A)
Vibration level for racing (Max.)	<15m/s ²
Vibration level for idling (Max.)	<15m/s ²
Maximum Engine Performance	0.90 kW
Engine Speed (rotational frequency) at recommended max. spindle rotational frequency	
(Bump Feed Head)	8700 min ⁻¹
(Blade)	9500 min ⁻¹
Idle speed	3000±200 min ⁻¹
Fuel consumption	700 g/kWh

ASSEMBLY INSTRUCTIONS



WARNING: Please install the unit according to the assembly instructions, or else it may be dangerous to the operator.

• **"LOOP WITH BARRIER" HANDLE INSTALLATION (BC 435L)**

- To install handle onto unit, you will need the following components from your user kit: handle (A & B), screws (C) and nuts (D). (Fig. 1A)
- Install the handle (B) after the position point (E) on the shaft and tighten the 2 screws (C) and nuts (D).

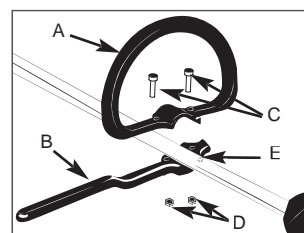


Fig. 1A

• **"BULLHORN" HANDLE INSTALLATION (BC 435B)**

- To install handle onto unit, you will need the following components from your user kit: "bullhorn" handle (A), fixing holder (B), clamp (C) and screws (D). (Fig. 1B)
- Install the fixing holder (B) after the position point (E) on the shaft, put the clamp (C) over the shaft and tighten the 2 screws (D).
- Install the bullhorn handle (A) on the fixing holder, put the other clamp (C) over bullhorn handle, adjust handle to appropriate position and tighten the other 2 screws (F). (Fig. 1C)
- Install wire tie (G) included in the user kit as shown (Fig. 1D).

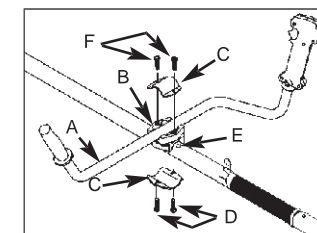


Fig. 1B

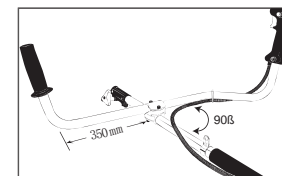


Fig. 1C

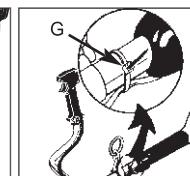


Fig. 1D

• **INSTALLING THE ATTACHMENT (BC 435L 965874001 / BC 435B)**



WARNING: To avoid serious personal injury, shut unit off before removing or installing attachment.

NOTE: To make installing or removing the attachment easier, place the unit on the ground or on a work bench.

- Turn the knob (A) counterclockwise to loosen (Fig. 2A).
- While firmly holding the attachment (B), push it straight into the Quick-Change coupler (C) until the release button (D) appears in the primary hole (E) of the Quick-Change coupler. (Fig. 2B)
- Turn the knob (A) clockwise to tighten. (Fig. 2C)



CAUTION: The release button must be in the primary hole and the knob securely tightened before operating this unit.

All attachments are designed to be used in the primary hole unless otherwise indicated in the specific attachments operators manual. If the incorrect hole is used, it could result in injury, or damage to the unit.

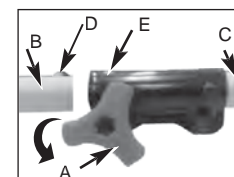


Fig. 2A

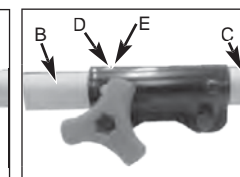


Fig. 2B

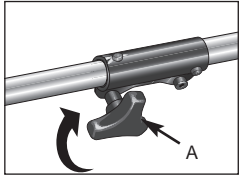


Fig. 2C

CUTTING ATTACHMENT GUARD

1. Install the cutoff knife as shown below.
2. place the guard on the cutting shaft, then install clamp (A) on the guard. (Fig.3)
3. Tighten screws (B).

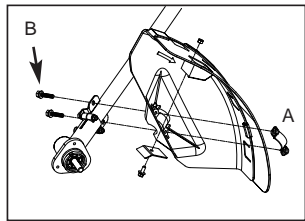


Fig. 3

CUTTING HEAD INSTALLATION

1. Install spline sleeve (D) and gear collar (A) in turn ensuring that collar spacer is in place (Fig. 4).
2. Insert holding pin (C) and thread cutting head onto shaft. Tighten cutting head by hand only (Fig. 4)

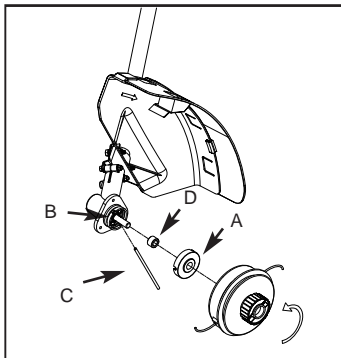


Fig. 4

REMOVE AND INSTALLATION THE BLADE COVER



CAUTION: Before you take apart the blades, wear gloves to prevent any danger.



CAUTION: When the machine is not in use or in transportation, make sure blades have been covered.

1. Before assembling blades, please remove the blades cover first.
2. Refer figure 5A and Figure 5B, hold the blades cover, and pull slightly the cover outward the cover can be taken apart.
3. Refer to figure 5C and 5D, and assemble in the opposite way to cover the blades.

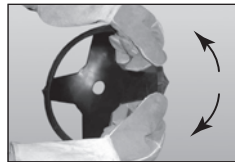


Fig. 5A

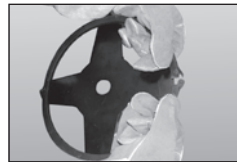


Fig. 5B

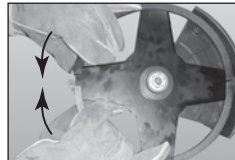


Fig. 5C

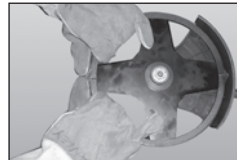


Fig. 5D

BLADE INSTALLATION



CAUTION: NEVER use unit if blade is warped or has teeth that are chipped or missing. Replace a damaged blade immediately.



CAUTION: NEVER operate unit with a blade unless metal blade guard is properly installed. NEVER operate a unit with a damaged guard.



CAUTION: Always wear heavy-duty work gloves when handling and installing a blade.

1. To install the blade you will need the items illustrated above (screwdriver not provided): holding pin (A), retaining nut (B), blade (C), screwdriver (D), flange (E), socket wrench (F) (Fig. 6A)



WARNING: Be sure the blade center hole is properly sized to the collar arbor.

2. Install blade (C) with teeth pointing CLOCKWISE as shown in the illustration (Fig. 6B).
 3. Install flange (E) with FLAT SURFACE facing blade (Fig. 6B).
- NOTE:** Make sure blade is centered on collar arbor.
4. Tighten nut (B) securely by turning it COUNTER-CLOCKWISE with socket wrench (F). Remove holding pin (Fig. 6B).

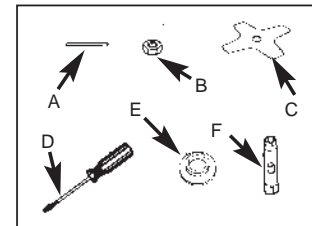


Fig. 6A

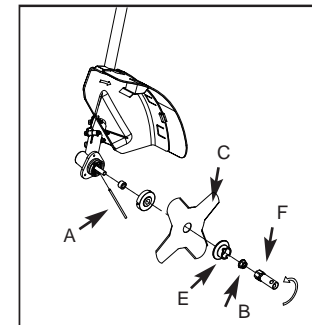


Fig. 6B

FUEL SYSTEM

Refueling

This engine is certified to operate on unleaded gasoline with a pump octane rating of 93 or higher. You may use regular unleaded gasoline containing no more than 10% ethanol (E10) or 5% methanol by volume. In addition, methanol must contain cosolvents and corrosion inhibitors. Use of fuels with content of ethanol or methanol greater than shown above may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of the fuel system. Engine damage or performance problems that result from using a fuel with percentages of ethanol or methanol greater than shown above are not covered by warranty.



WARNING: Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine and keep heat, sparks, and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

Check the fuel level by looking through the translucent fuel tank. If the fuel level is low, refuel in a well-ventilated area with the engine stopped. If the engine has been running, allow it to cool first.

Never use stale or contaminated gasoline or an oil/gasoline mixture.

Avoid getting dirt or water in the fuel tank.

To refuel, rest the trimmer on the ground with the fuel tank cap facing up, as shown. Remove the fuel tank cap and fill the tank with gasoline to the bottom of the filler neck. Refuel carefully to avoid spilling fuel.

Do not overfill. There should be no fuel in the filler neck. After refueling, tighten the fuel tank cap securely.

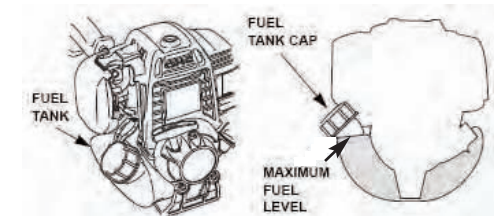


Fig. 7A

Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately. Move at least 10 feet (3 meters) away from the fueling source and site before starting the engine.

NOTE:

Fuel can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under warranty.

ENGINE OIL

The trimmer is shipped WITHOUT OIL in the engine.

NOTE: Fill oil before starting engine.

1. Place the trimmer on a level surface, and then remove the oil filler cap/dipstick.



Fig. 7B

2. Slowly add the recommended oil (included in the box) to the bottom edge of the oil filler opening. Do not overfill, as the engine oil tank capacity is small.
3. If the supplied oil is not used, add enough SAE 10W-30 API service category SJ or later oil. Add oil until the oil level is to the bottom edge of the oil filler opening.

NOTE:

Running the engine with too little or too much oil can cause engine damage.

4. Screw in the oil filler cap/dipstick securely.

• Engine Oil Level Check

Check the engine oil level before each use, or every 10 hours if operated continuously. Rest the trimmer on a level surface, with the engine stopped and in an upright position.



Fig. 7C

1. Remove the filler cap/dipstick and wipe it clean.
2. Insert and remove the dipstick without screwing it into the filler opening. Check the oil level shown on the dipstick.
3. If the oil level is low, fill to the edge of the oil filler hole with the recommended oil. To avoid overfilling or underfilling, be sure the engine is in a level position, as shown.

NOTE:

Running the engine with too little or too much oil can cause engine damage.

4. Screw in the oil filler cap/dipstick securely.

• Engine Oil Change

Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

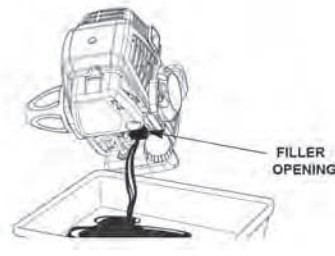


Fig. 7D

1. Place a suitable container below the engine to catch the used oil, then remove the filler cap/dipstick and drain the used oil through the filler opening. Allow the used oil to drain completely. Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash, pour it on the ground, or pour it down a drain.
2. With the engine in an upright position, fill to the edge of the oil filler hole with the recommended oil.
3. Screw in the filler cap/dipstick securely.

• Engine Oil Recommendations

Oil is a major factor affecting performance and service life. Use 4-stroke automotive detergent oil.

SAE 10W-30 is recommended for all temperatures within the recommended operating range for these trimmers. The recommended operating range extends from 23° ~ 104°F (-5° ~ 40°C).

The SAE oil viscosity and service classification are on the API label on the oil container. Recommend that you use API service category SJ or later.

NOTE: change the engine oil after first month or 10 hours.

NOTE: change the engine oil every 6 months or 50 hours.

OPERATING INSTRUCTIONS

• SHOULDER HARNESS



WARNING: ALWAYS WEAR SHOULDER HARNESS when operating unit with a blade. Attach harness to trimmer after starting unit and engine is running at IDLE. Turn ENGINE OFF before disconnecting shoulder harness.

NOTE: When you install the cutting attachment, please follow the below requirements:

1. Put the harness on so the shoulder strap is over your shoulders.
2. Attache the harness clip (C) to the ring (D) mounted on the shaft (Fig. 8A and 8B).
3. Adjust length of shoulder strap so stringhead is parallel to the ground as it hangs from the strap. A few practice swings without starting engine should be made to determine correct balance.

NOTE: Detach the shoulder harness from the unit before starting engine.

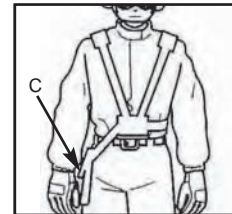


Fig. 8A

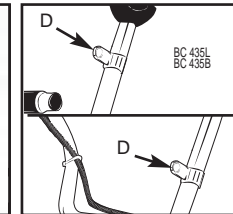


Fig. 8B

• STARTING A COLD ENGINE

NOTE: To minimize load on engine during starting and warm-up, trim excess cutter line to 13cm (Fig. 9A).

1. Press ON/OFF switch to the "RUN (I)" position (Fig. 9B).
2. Press the primer bulb 10 times.(Fig.9D)
3. Move choke lever to CHOKE "I" position.(Fig.9C)
4. Set throttle lock (C): Press the throttle trigger lockout (A) down and then while holding throttle trigger (B) at partially open position, press down and hold throttle lock (C). Release throttle trigger (B). Throttle trigger (B) will now remain in the partially depressed position; If no throttle lock: Press the throttle trigger lockout down and then while holding throttle trigger (B) at one-third open position.(Fig. 9B) Pull starter rope 3 times. (Fig. 9F)
5. Move choke lever to RUN "I" position. Engine will be started when pull starter rope 1 time. Continually warm 10 seconds after engine started, and then pull throttle trigger to full position. (Fig. 9G)
6. If engine fails to start, repeat step 1 to 5.

• WARM ENGINE START

1. Move choke lever to RUN "I" position. Engine will be started after pulling starter rope 2 times.(Fig.9G)
2. If engine fails to start, refer to Starting a cold engine section.

NOTE: If engine fails to start after repeated attempts, refer to Troubleshooting section.

NOTE: Always pull starter rope straight out. Pulling starter at an angle will cause rope to rub against the eyelet. This friction will cause the rope to fray and wear more quickly. Always hold starter handle when rope retracts. Never allow rope to snap back from extended position. This could cause rope to snag or fray and also damage the starter assembly.

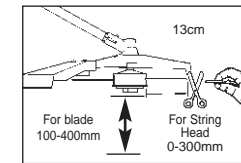


Fig. 9A

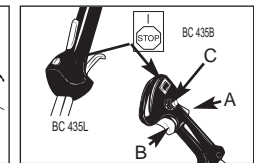


Fig. 9B

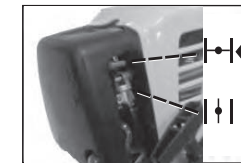


Fig. 9C

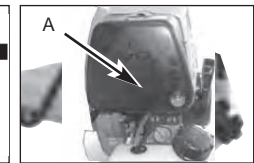


Fig. 9D

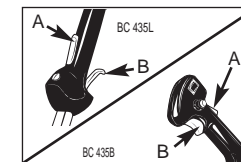


Fig. 9E



Fig. 9F

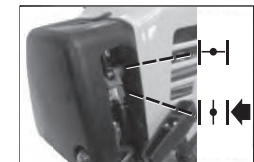


Fig. 9G

• Low temperature start (0-5°C)

1. Press ON/OFF switch to the "RUN (I)" position (Fig. 10A).
2. Press the primer bulb 10 times.(Fig.9D)
3. Move choke lever to CHOKE "I" position.

- Set throttle lock (C): Press the lockout switch (A) down and then while holding trigger (B) at partially open position, press down and hold throttle lock (C). Release throttle trigger (B). Throttle trigger (B) will now remain in the partially depressed position. If no throttle lock: Press the throttle trigger lockout down and then while holding throttle trigger (B) at one-third open position. (Fig. 9B). Pull starter rope 6 times.
- Move choke lever to RUN "I+I" position. Engine will be started when pull starter rope 2 times. (Fig. 10B) Continually warm 10seconds after engine started, and then engine will reach high speed.
- If engine fails to start, repeat step 1 to 5.

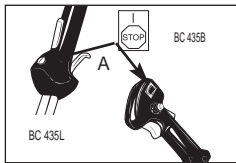


Fig. 10A

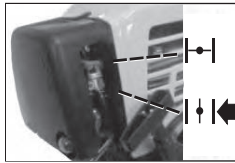


Fig. 10B

• TO STOP ENGINE

Release throttle trigger. Let engine return to idle. Push and hold ignition stop switch until engine stops.

TRIMMER INSTRUCTIONS

• ADDITIONAL SAFETY PRECAUTIONS

Before operating your unit, review ALL SAFETY PRECAUTIONS in this manual.

WARNING / CAUTION

- IF UNFAMILIAR WITH TRIMMING OR CUTTING techniques, practice the procedures with ENGINE in "OFF" position.
- ALWAYS CLEAR WORK area of debris such as cans, bottles, rocks, etc. Striking objects can cause serious injury to operator or bystanders and also damage equipment. If an object is accidentally hit, immediately TURN ENGINE OFF and examine equipment. Never operate unit with damaged or defective equipment.
- ALWAYS TRIM OR CUT AT HIGH ENGINE SPEEDS. Do not run engine slowly at start or during trimming operations.
- DO NOT use equipment for purposes other than trimming or mowing weeds.
- NEVER raise cutting head above knee height during operation.
- DO NOT operate unit with other people or animals in the immediate vicinity. Allow a minimum of 50 feet (15 meters) between operator and other people and animals when trimming or mowing.
- Allow a distance of 100 feet (30 meters) between operator and other people and animals when SCALPING with cutting head cutter.

- IF OPERATING UNIT ON A SLOPE, stand below the cutting attachment. DO NOT OPERATE on a slope or hilly incline if there is the slightest chance of slipping or losing your footing.

• CUTTING HEAD LINE RELEASE



WARNING: DO NOT use steel wire or plastic-coated steel wire of any kind with your cutting head. Serious operator injury can result.

To release fresh line, run engine at full throttle and "bump" cutting head against lawn. Line will automatically release. The knife in the cutting attachment guard will trim excess line (Fig. 11A).



CAUTION: Periodically remove weed wrap to prevent overheating the drive shaft. Weed wrap occurs when strands of weeds become entangled around the shaft beneath the cutting attachment guard (Fig. 11B). This condition prevents the shaft from being properly cooled. Remove weed wrap with screwdriver or similar device.

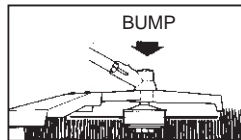


Fig. 11A

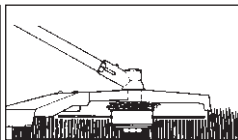


Fig. 11B

• TRIMMING PROCEDURES

When properly equipped with a cutting attachment guard and cutting head, your unit will trim unsightly weeds and tall grass in those hard-to-reach areas - along fences, walls, foundations and around trees. It can also be used for scalping to remove vegetation down to the ground for easier preparation of a garden or to clean out a particular area. **NOTE:** Even with care, trimming around foundations, brick or stone walls, curves, etc., will result in above normal string wear.

TRIMMING / MOWING

Swing trimmer with a sickle-like motion from side to side. Do not tilt the cutting head during the procedure. Test area to be trimmed for proper cutting height. Keep cutting head at same level for even depth of cut (Fig. 12A).

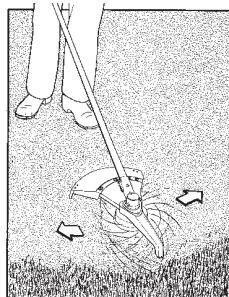


Fig. 12A

CLOSER TRIMMING

Position trimmer straight ahead with a slight tilt so bottom of cutting head is above ground level and string contact occurs at proper cutting point. Always cut away from operator. Do not pull trimmer toward operator.

FENCE / FOUNDATION TRIMMING

Approach trimming around chain link fences, picket fences, rock walls and foundations slowly to cut close without whipping string against the barrier. If the string comes in contact with rock, brick walls, or foundations, it will break or fray. If string snags fencing, it will snap off.

TRIMMING AROUND TREES

Trim around tree trunks with a slow approach so string does not contact bark. Walk around the tree trimming from left to right. Approach grass or weeds with the tip of the string and tilt cutting head slightly forward.



WARNING: Use extreme caution when SCALPING. Keep a distance of 50 feet (15 meters) between operator, other people and animals during these operations.

SCALPING

Scalping refers to removal of all vegetation down to the ground. To do this, tilt the cutting head to about a 30 degree angle to the right. By adjusting the handle you will have better control during this operation. Do not attempt this procedure if there is any chance flying debris could injure operator, other people or cause damage to property (Fig. 12B).

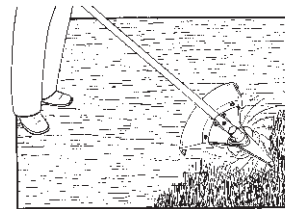


Fig. 12B

DO NOT SWEEP WITH TRIMMER

Sweeping refers to tilting cutting head to sweep away debris from walkways, etc. Your trimmer is a powerful tool and small stones or other such debris may be hurled 50 feet (15 meters) or more, causing injury or damage to nearby property such as automobiles, homes and windows.

• CUTTING WITH BLADES



WARNING: Before operating this machine with a blade check to ensure it is properly installed. Follow all warnings listed in the blade safety precautions section in this manual.

Always wear eye protection and protective clothing when cutting with a blade.

Always use the harness for blade operations.

• USING WEED BLADES

SCYTHING WEEDS

Scything refers to cutting by moving the blade from side to side in a level arc. It is most effective with grassy weeds and light undergrowth. It should not be used to cut large, tough weeds or woody growth (Fig. 13).

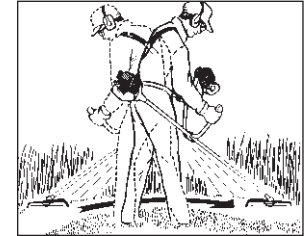


Fig. 13



CAUTION: Do not use weed blades to cut brush or tree saplings.

• USING A BRUSH BLADE

SCYTHING

Scything may be used with a brush blade for light brush and undergrowth. It is not recommended for tough growth.

BINDING

Top heavy growth such as saplings and heavy brush can bind and stop the blade. Avoid binding by anticipating which way the growth will lean, and cut from the opposite side.

If the blade binds in a cut stop the engine immediately. Hold the unit up to prevent the blade from cracking or breaking while pushing the sapling away from the cut to free the blade.

AVOID KICKOUT

Kickout is the reaction of a moving blade if it contacts a strong tree, brush or a solid object. The force that occurs violently pushes the blade away in an arc. Kickout could cause loss of control resulting in injury to the operator or bystanders.

DO NOT USE A BLADE NEAR A CHAIN LINK FENCE, METAL STAKES, LANDSCAPE BORDERS OR BUILDING FOUNDATIONS.

The Partner blade guard is designed to reduce the risk of kickout by providing stops to brace the unit against the object being cut.

Place the sapling against the stop (A) so the rotation of the blade continually draws it into the stop (A) (Fig. 14).

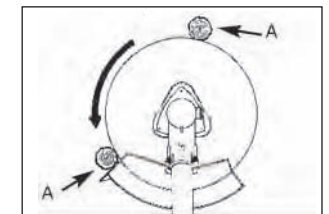


Fig. 14

MAINTENANCE INSTRUCTIONS

REPLACING CUTTER LINE

1. Turn the nut (A) **CLOCKWISE** and remove it (Fig. 15A).
2. Remove the spool (C), and spring (D) from spindle (E).
3. Remove any remaining cutter line.
4. Double a 32' (9.8m) length of .095 or .105" (.24 or .27cm) cutter line. Place the looped center in one of the slots (G) of the spool divider (Fig. 15B).
5. Wind as shown in illustration (Fig. 15C), keeping tension, with each half separated by the spool divider. Wind to within 6" (15cm) of the ends.
6. Lock each end of line into a slot (H) on opposite sides of the spool (Fig. 15D).
7. Install the spring (D) over the spindle (E). Insert each end of the line through an eyelet (J) in the housing (F) (Fig. 15E).
8. Lower the spool into the housing (E) while feeding the line through the eyelets (J). Ensure the spring seats itself into the spool (Fig. 15E).
9. Once the spool is in place, apply pressure on the spool compressing the spring. Pull each end of the line (B) sharply to unlock the line from the slots (Fig. 15F).
10. Continue to apply pressure to the spool until the knob can be threaded **COUNTERCLOCKWISE** onto the spiggle. Tighten the knob securely by hand only (Fig. 15H).
11. Trim the excess line to approximately 5" (13cm). This will minimize load on engine during starting and warm-up. (Fig. 15H)

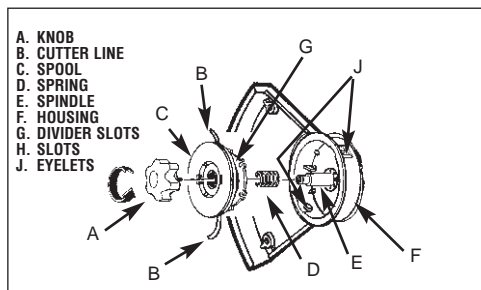


Fig. 15A

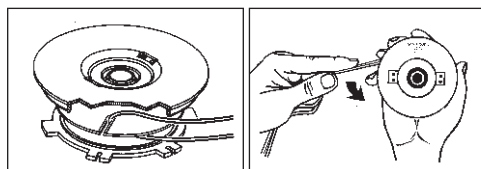


Fig. 15B

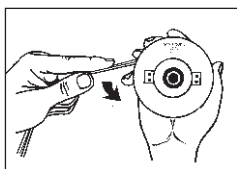


Fig. 15C

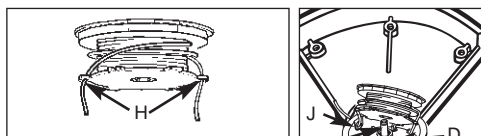


Fig. 15D

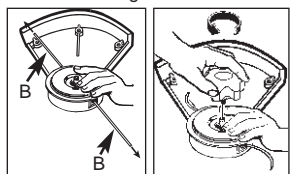


Fig. 15E

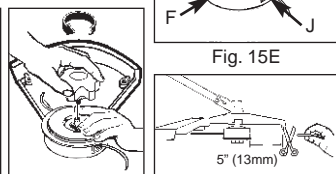


Fig. 15F

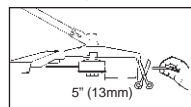
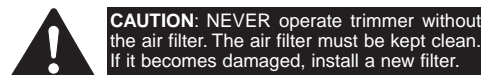


Fig. 15H

AIR FILTER



To Clean Air Filter:

1. Remove button (A) holding air filter cover in place, remove cover (B) and lift filter (C) from air box (Fig. 16).
2. Wash filter in soap and water. **DO NOT USE GASOLINE!**
3. Air dry filter.
4. Reinstall filter.

NOTE: clean the air filter element every 3 months or 25 hours.

NOTE: Replace filter if frayed, torn, damaged or unable to be cleaned.

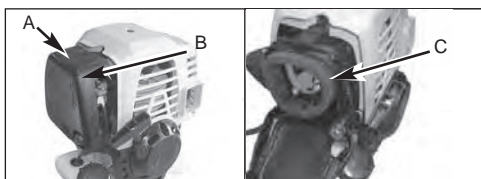
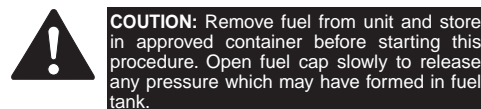


Fig. 16

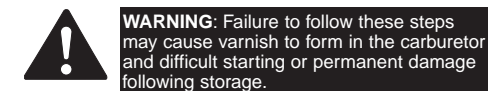
FUEL CAP / FUEL FILTER



1. Completely remove fuel cap (A) from fuel tank (B) to be able to remove fuel filter (D) from tank. Use a piece of wire (C) with a hook formed at the end to pull filter out of tank. (Fig. 17A & Fig. 17B)
2. Pull filter (D) off with a twisting motion.
3. Replace fuel filter (D). (Fig. 17C)

NOTE: Never operate the trimmer without the fuel filter. Internal engine damage could result!

STORING A UNIT



1. Perform all the general maintenance recommended in the Maintenance Section of your User Manual.
2. Clean exterior of engine, Output Shaft, cutting attachment guard and cutting head.
3. Drain fuel from the fuel tank.
4. After fuel is drained, start engine.
5. Run engine at idle until unit stops. This will purge the carburetor of fuel.
6. Allow engine to cool (approx. 5 minutes).
7. Using a spark plug wrench, remove the spark plug.
8. Pour 1 teaspoon of clean 4-cycle oil into the combustion chamber. Pull starter rope slowly several times to coat internal components. Replace spark plug.
9. Store unit in a cool, dry place away from any source of ignition such as an oil burner, water heater, etc.

REMOVING A UNIT FROM STORAGE

1. Remove spark plug.
2. Pull starter rope briskly to clear excess oil from combustion chamber.
3. Clean and gap spark plug or install a new spark plug with proper gap.
4. Prepare unit for operation.
5. Fill fuel tank with proper fuel.

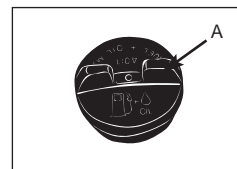


Fig. 17A

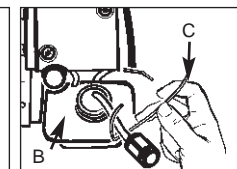


Fig. 17B

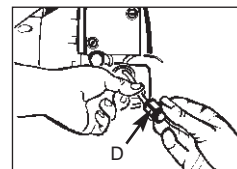


Fig. 17C

CARBURETOR ADJUSTMENT

The carburetor was pre-set at the factory for optimum performance. If further adjustments are necessary, please take your unit to the nearest Authorized Service Center.

SPARK PLUG

1. Spark plug gap = .025" (.635mm) (Fig. 18).
2. Torque to 105 to 130 inch pounds (12 to 15 N•m). Connect spark plug boot.

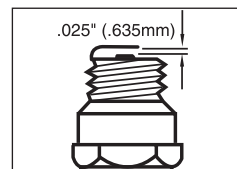


Fig. 18

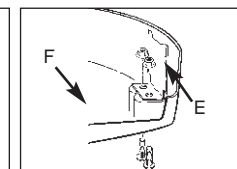


Fig. 19

CUTTING ATTACHMENT GUARD KNIFE SHARPENING

1. Remove cutter knife (A) from cutting attachment guard (B) (Fig. 19).
2. Place knife in a bench vise. Sharpen knife using a flat file, being careful to maintain the angle of cutting edge. File in one direction only.

TROUBLE SHOOTING THE ENGINE

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Unit won't start or starts but will not run.	Incorrect starting procedures.	Follow instructions in the User Manual.
	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by an Authorized Service Center.
	Fouled spark plug	Clean / gap or replace plug.
	Fuel filter plugged.	Replace fuel filter.
Unit starts, but engine has low power.	Incorrect lever position on choke.	Move to RUN position.
	Dirty spark arrester screen.	Replace spark arrester screen.
	Dirty air filter.	Remove, clean and reinstall filter.
	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by an Authorized Service Center.
Engine hesitates.	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by an Authorized Service Center.
No power under load.		
Runs erratically.	Incorrectly gapped spark plug.	Clean / gap or replace plug.
Smokes excessively.	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by an Authorized Service Center.



EU Declaration of Conformity

according to the regulations 98/37/EC, 2004/108/EC, 2000/14/EC+2005/88/EC, 2002/88/EC

For the following equipment / product : Brush Cutter/Grass Trimmer, Gasoline
 Type Designation : BC 435L / BC 435B
 Trademark : Partner
 Importer's Name : Husqvarna AB
 Importer's Address : SE-561 82 Huskvarna, Sweden

We herewith confirm to comply with the requirements set out in the Council Directive 98/37/EC, 2004/108/EC, 2000/14/EC+2005/88/EC, 2002/88/EC. For the evaluation of the compliance with these Directives, the following standards were applied:

EN ISO 11806 : 1997, EN ISO 11806 : 1997/AC, EN ISO 14982:1998

Sound pressure level : 101.6 dB(A)
 Sound power level : 111.17 dB(A)
 Guarantee sound power level : 112 dB(A)

Person responsible for making this declaration

Name, surname : Ronnie Goldman
 Position/Title : Director of Engineering
 Handheld Consumer Products

Shanghai, P. R. C.

2008/12/08