



DAEWOO
POWER PRODUCT

DALST62BL-16D

Spring Trimmer

USER'S MANUAL

www.daewoopowerproducts.com

Manufactured under license of **Daewoo International Corporation**, Korea

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WARRANTY

EC-DECLARATION OF CONFORMITY

1. SYMBOLS

SYMBOLS	NAME
	CE Marking The product meets demands and regulations set by the European Community.
	WEEE marking
	Read the operator's instructions.
	Do not expose to moisture.
	Wear protective gloves.
	Wear foot protection.
	Wear eye, hearing and head protection.
	Keep bystanders away.
	Keep bystanders 15m away.
	Noise level marking Your tool noise is not more than 96dB.

⚠ WARNING: Never use your trimmer without the guard properly installed. Failure to adhere to this warning can cause serious personal injury.

2. RULES FOR SAFE OPERATION



WARNING: Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine!

Children should be supervised to ensure that they do not play with the appliance.

Cleaning and user maintenance shall not be made by children.

General Power Tool Safety Warnings



WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your battery operated (cordless) power tool.

WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids gases or dust. Power tools create sparks which may ignite the dust or fumes
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- e) Avoid using the machine in bad weather conditions especially when there is a risk of lightning.

PERSONAL SAFETY

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection.

Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the

power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

h) Never operate the machine with damaged guards or shields or without guards or shields in place.

i) Switch on the motor only when the hands and feet are away from the cutting means.

j) Always stop the machine and remove the battery pack,

1) Whenever the machine is left unattended;

2) Before clearing a blockage;

3) Before checking, cleaning or working on the machine;

4) After striking a foreign object. Inspect the machine for damage and make repairs before restarting and operating the machine

5) If the machine starts to vibrate abnormally, for immediately check

- inspect for damage

- replace or repair any damaged parts

- check for and tighten any loose parts

k) Take care against injury to feet and hands from the cutting means.

l) Always ensure that the ventilation openings are kept clear of debris.

BATTERY TOOL USE AND CARE

a) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

MAINTENANCE AND STORAGE

- a) Stop the machine and remove the battery pack before carrying out maintenance or cleaning work.
- b) Use only the manufacturer's recommended replacement parts and accessories.
- c) Inspect and maintain the machine regularly. Have the machine repaired only by an authorized repairer.
- d) When not in use, store the machine out of the reach of children.

INTENDED USE

- a) The product is only intended for use outdoors. For safety reasons the product must be adequately controlled by using two handed operation.
- b) The product is intended for cutting long grass, pulpy weed, or brush and similar vegetation at or about ground level.
- c) The cutting plane should be approximately parallel to the ground surface. The product should not be used to trim hedges, bushes or other vegetation where the cutting plane is not parallel to the ground surface.

 **WARNING:** Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

 **WARNING:** Improper maintenance, use of non-conformant replacement components, or the removal or modification of safety components lead to hazards causing injuries and damage to property.

 **Warning!** Prolonged exposure to vibration can cause injuries

and neurovascular disorder (also called “Renauds syndrom” or “white finger”), especially to people suffering from circulation disorders. The symptoms can regard the hands, wrists and fingers and are shown through of sensitivity, torpor, itching, pain and discolouring of or structural changes to the skin. These effects can be worsened by low ambient temperatures and/or by gripping the handgrips excessively tightly. If the symptoms occur, the length of time the machine is used must be reduced and a doctor consulted.

Not all factors that lead to white finger disease are known, but concern cold weather, smoking and diseases, blood vessels and blood circulation as well as large or long-lasting exposure to vibration are mentioned as factors in the emergence of white finger disease.

Take the following points into account to minimize the vibration and noise exposure risks:

- Wear gloves and keep your hands warm.
- Only use the product as intended by its design and these instructions.
- Ensure that the products is in good condition and well maintained.
- Use correct application tools for the product and ensure they are in good condition.
- Keep tight grip on the handles/grip surface.
- Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate)
- Plan your work schedule to spread any high vibration tool use across a number of days

 **Warning!** When working with the device, a certain level of noise cannot be avoided. Noisy work should be scheduled for hours, during which it is allowed by statute of other local regulations. Adhere to any applicable rest times and limit your working time to the necessary minimum time. For your personal protection and the protection of people nearby, suitable hearing protection must be worn.

3. GENERAL IDENTIFICATION

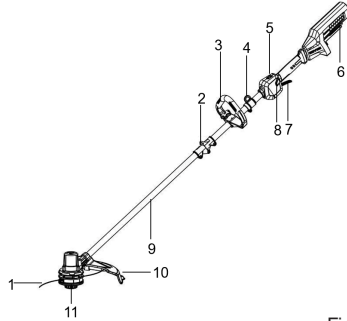


Fig. 1

1. Cutting line 2. Locking bolt 3. Front assist handle 4. Shoulder strap hose
5. Speed adjust button 6. Battery holder 7. Switch trigger 8. Safety lock button
9. Shaft 10. Safety guard 11. Bump knob

4. TECHNICAL DATA

Rated voltage: 62Vd.c.

No load speed: 5000/5800rpm

Cutting width: 14in,16in

Line diameter: Ø2.3mm

Sound pressure level at the operator's position: 80.5dB(A) K=3dB(A)

Measured sound power level: 92.45dB(A) K=1.39dB(A)

Guaranteed sound power level: 96dB(A)

Vibration: 2.12m/s² k=1.5 m/s²

Net weight: 4kg

BATTERY

Type: Lithium-ion

Rated Voltage: 62V d.c.

Capacity: 2.5Ah(135Wh)

Number of Battery cell: 15pcs

Type: Lithium-ion

Rated Voltage: 62V d.c.

Capacity: 8 Ah(432Wh)

Number of Battery cell: 30pcs

Type: Lithium-ion

Rated Voltage: 62V d.c.

Capacity: 4.0Ah(216Wh)

Number of Battery cell: 15pcs

Type: Lithium-ion

Rated Voltage: 62V d.c.

Capacity: 12 Ah(648Wh)

Number of Battery cell: 45pcs

BATTERY CHARGER

Input: 220-240VAC, 50Hz,2A

Output: 62Vd.c,4A

Allowable Charging Temperature Range: 4-40°C

5. ASSEMBLY INSTRUCTION

! WARNING: If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

! WARNING: Do not attempt to modify this product or create accessories not recommended for use with this string trimmer. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.

! WARNING: Always remove the battery pack from the product when you are assembling parts, making adjustments, cleaning, or when the product is not in use.

UNPACKING

1. Carefully remove the product and any accessories from the box. Make sure that all items are included. (Fig.2)
2. Inspect the tool carefully to make sure that no breakage or damage occurred during shipping.
3. Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

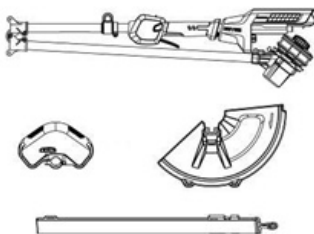


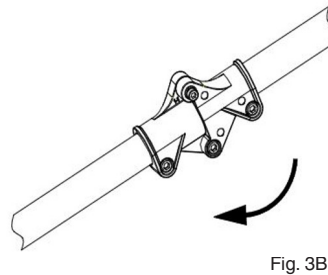
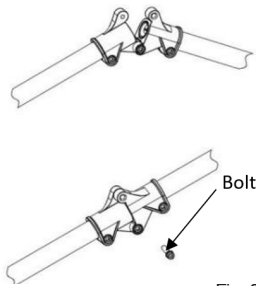
Fig. 2

SHAFT ASSEMBLY

! WARNING: In order to avoid pinching your hands or fingers, do not hold the shaft at the joints.

! WARNING: Do not attempt to start the trimmer until the shaft has been locked.

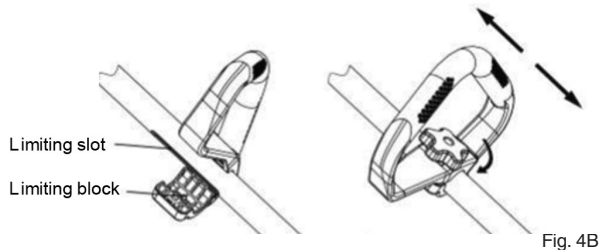
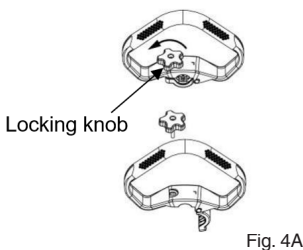
1. Put your trimmer on the ground and carefully unfold the shaft. Make sure that the cable is inside the shaft so that it will not be pinched when closing the joints
2. Use the locking bolt to lock the shaft, turn the locking bolt clockwise to lock the shaft and turn the locking bolt anti-clockwise to release the shaft. (Fig.3A/Fig.3B)



FRONT ASSIST HANDLE ASSEMBLY

1. Unscrew the locking knob from the front-assist handle. (Fig.4A)
2. Position the front-assist handle onto the upper shaft of the trimmer, making sure the limiting block get into the locking slot. (Fig.4B)
3. Move the front assist handle up or down to the desired place, lock it by tightening the locking knob until there is no movement. (Fig.4B)

NOTE: Do not over tighten the locking knob.



GUARD ASSEMBLY

! WARNING: Never use the tool unless the guard is properly fitted.

1. Loosen the two bolts in the guard, remove the bolts with washers from the guard.(Fig.5A)
2. Lift the trimmer head and face it downward. Align the two mounting holes in the guard with the two assembly holes in the base of the shaft. Make sure that the internal surface of the guard faces towards the trimmer head (Fig. 5B).
3. Lock the guard in place with the bolts (Fig. 5C).

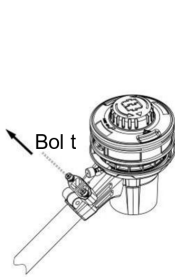


Fig. 5A

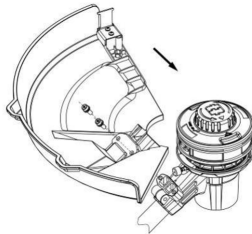


Fig. 5B

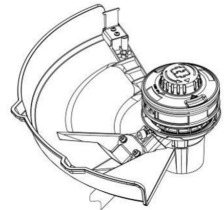


Fig. 5C

ASSEMBLE SHOULDER STRAP

1. Press the locking button to clip shoulder strap. (Fig.6A)
2. Unscrew the locking nut to adjust the place of the shoulder strap for your comfortable operation. (Fig.6A)
3. This belt provided quick-release mechanism. Press the both side of the release button with one hand, the machine can be released quickly from the operator in the event of emergency (e.g. occur spark, smoking or vibrate abnormally). (Fig.6B)

! WARNING: Be extremely careful to maintain control of the machine at this time. Do not allow the machine to be deflected toward you or anyone in the work vicinity.

! WARNING: Failure to maintain complete control of the machine at all could result in serious bodily injury or death.

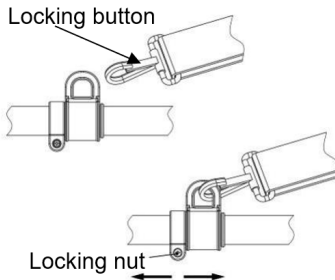


Fig. 6A

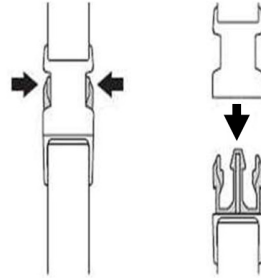


Fig. 6B

ASSEMBLY THE BATTERY

1. Insert the battery pack into battery holder. (Fig.7)
2. Make sure the latch on bottom of battery pack snaps in place and that battery pack is fully seated. (Fig.7)

NOTE: Available battery model: DYMA533.DYMA534.

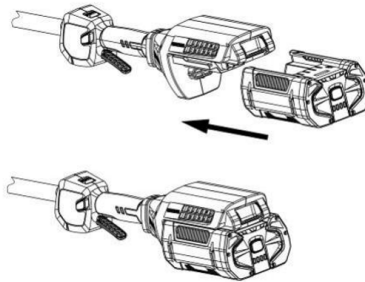


Fig. 7

REMOVE THE BATTERY

1. Press and hold the battery latch button at the bottom of the battery pack. (Fig.8)
2. Remove battery pack from the product.

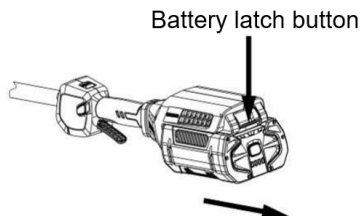


Fig. 8

6. OPERATION

STARTING

1. Take a secure hold the trimmer and without letting it touching the grass to be cut.
2. Press down the safety lock button and then depress the switch trigger to turn on the trimmer. (Fig.9)
3. The rotational speed of the cutting line can be adjusted by the speed adjustment button.
4. Push the button to the “SPORT” for high speed and to the “ECON” for low speed. Adjust the speed to suit the task. (Fig.9)

⚠ WARNING: Switch on motor only when your hands and feet are away from the cutting parts.

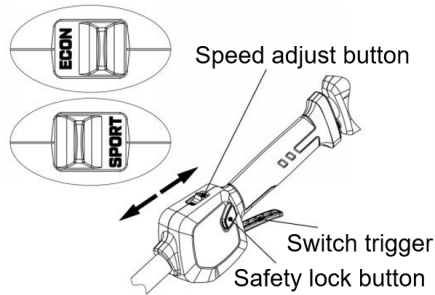


Fig. 9

STOP

To switch off the trimmer, release the switch trigger.

⚠ WARNING: Always remove the battery pack from the string trimmer during work breaks and after finishing work.

7. ADJUSTING CUTTING LINE LENGTH

CUT-OFF BLADE CHANGING

This trimmer is equipped with a line cut-off blade on the guard. The line cut off blade continuously trims the line to ensure a consistent and efficient cut diameter. Advance line whenever you hear the engine running

faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep line long enough to advance properly. This trimmer is currently set at the 355mm. cutting swath. To adjust to a cutting swath of 406mm.:

1. Remove the battery from the string trimmer.
2. Remove both screws on the cut-off blade with a hex wrench. (Fig.10A)
3. Rotate the cut-off blade 180. (Fig.10A/Fig.10B)
4. Re-assemble both screws in the blade. (Fig.10B)

Note: Set the cut-off blade to 355mm. for greater runtime. Set the cut-off blade to 406mm. for greater cutting area.

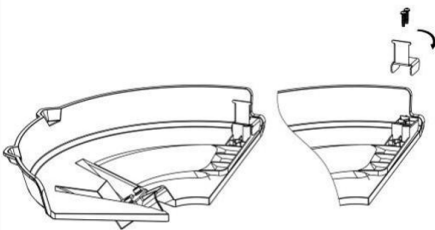


Fig. 10A

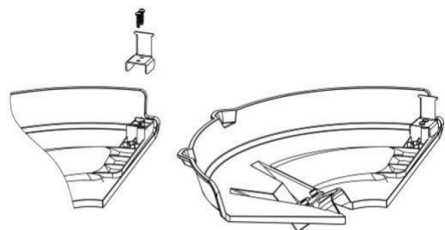


Fig. 10B

CUTTING LINE ADVANCE

The trimmer head allows the operator to release more cutting line without stopping the motor. As line becomes frayed or worn, additional line can be released by lightly tapping the bump knob on the ground while operating the trimmer (Fig. 11).

! WARNING: Do not remove or alter the line cutting blade assembly. Excessive line length will cause the motor to overheat and may result in serious personal injury.

! CAUTION: For best results, tap the bump knob on bare ground or hard soil. If line release is attempted in tall grass, the motor may overheat. Always keep the trimming line fully extended. Line release becomes more difficult as the cutting line becomes shorter.

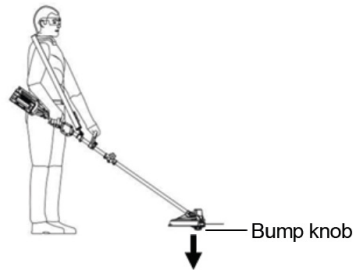


Fig. 11

8. INSTRUCTION FOR USE

1. The correct angle for cutting attachment is parallel to the ground.
2. Start the trimmer before getting close to the grass to be cut.
3. Cut the grass by moving the trimmer from right to left and proceed slowly, keeping trimmer shaft inclined about 35°.
4. High grass should be cut in layers, always beginning from the top to bottom in small increments. Do not force the trimmer.
5. Do not cut damp or wet grass.
6. Avoid wearing the line out quickly by knocking against hard objects (stone, walls, fences etc).
7. Wire and picket fences can cause extra string wear or breakage. Stone and brick walls, curbs, and wood may wear strings rapidly.
8. Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the strings.

! WARNING: Do not use Excessive Force or bash the Trimmer Bump Head on the ground to advance the trimming line. If the trimming line will not advance after tapping the bump head on the ground while the trimmer is running, the cutting line may have tangled or have disappeared within the cartridge or the cutting line may have been used up.

NOTE: Excessive Force or Bashing the Trimmer Bump Head on the ground to advance the cutting line will damage the bump head.

! WARNING: The cutting head continues to rotate after motor is switched off for a few seconds.

9. MAINTENANCE

! WARNING: When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

! WARNING: To prevent serious personal injury, remove the battery pack from the tool before servicing, cleaning, changing attachments or removing material from the unit.

LINE REPLACEMENT

NOTICE: Always use standard nylon cutting line with a diameter of 2.0 mm. Using line other than that specified may cause the string trimmer to overheat or become damaged.

WARNING: Never use metal-reinforced line, wire, or rope, etc. These can break off and become dangerous projectiles.

1. Align the arrow on the bump knob with the one on the spool cartridge. (Fig.12A)

2. Insert the cutting line into the eyelet that marked “LINE IN” of the spool. (Fig.12A)

NOTE: The cutting line is about 4 m length.

3. The end of the line appears in the opposite eyelet of the spool, pull both ends of the line until they appear the same protruding length. (Fig.12B)

4. Hold the line cartridge with one hand and turn the bump knob anti-clockwise with the other hand, until both of the line ends leave approximately 15cm length protruding. (Fig.12B/Fig.12C)

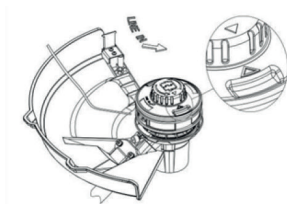


Fig. 12A

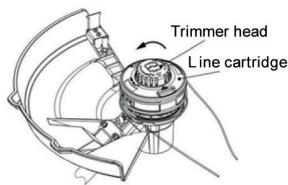


Fig. 12B

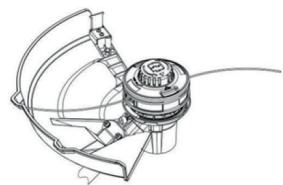


Fig. 12C

CUTTING LINE RE-ASSEMBLY

If the cutting line is inside the cartridge completely, we should detach the cartridge and re-assemble the cutting line.

1. Press both of the cap release latch on the cap and boost up it out of the spool holder (Fig.13).
2. Remove the line cartridge and take off the line from the cartridge.
3. Re-assemble the cartridge and assemble the cutting line as part “LINE REPLACEMENT” describes.

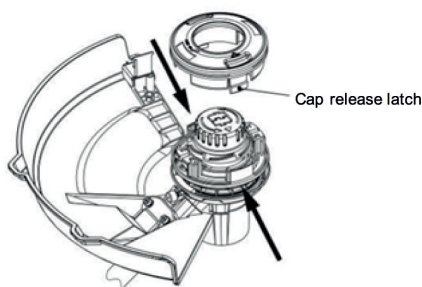


Fig. 13

REPLACEMENT OF THE TRIMMER HEAD

Your trimmer is supplied with a fully disposable cutting line cartridge. If cartridge is damaged, we should detach the trimmer head and assemble a new one.

1. Press the locking pin and at the same time turn the cartridge anti-clockwise to remove it. (Fig.14A/Fig.14B)
2. Press the locking pin and at the same time turn the trimmer head clockwise to assemble it. (Fig.14C)

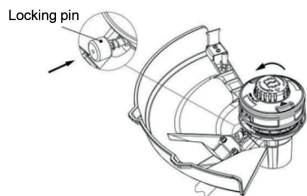


Fig. 14A

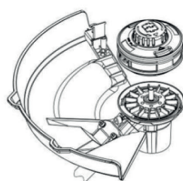


Fig. 14B

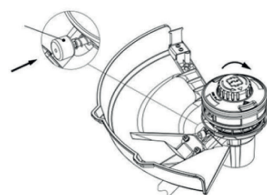


Fig. 14C

CLEAN THE UNIT

1. Clear any grass that may have wrapped itself around the motor shaft or trimmer head.
2. Use a small brush or the air discharge of a small vacuum cleaner brush to clean the air vents on the rear housing.
3. Keep the air vents free of obstructions.
4. Clean the unit using a damp cloth with a mild detergent.
5. Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic oils, such as pine and lemon, and by solvents such as kerosene. Moisture can also cause a shock hazard. Wipe off any moisture with a soft dry cloth.

STORAGE

1. Remove the battery pack from the trimmer.
2. Clean the tool thoroughly before storing it.
3. Store the unit in a dry, well-ventilated area, locked-up or up high, out of the reach of children. Do not store the unit on or adjacent to fertilizers, gasoline, or other chemicals.

10. TROUBLESHOOTING

The following chart lists problem symptoms, possible causes and corrective action, if your garden product does not operate properly. If these do not identify and correct the problem, contact your service agent.



WARNING: Switch off and remove the battery prior to any troubleshooting.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Appliance fails to start	Battery is not secure	Secure the battery. Make sure the latch on the battery snaps into place.
	Battery is not charged	Charge the battery.
	Possible wiring or electrical contact problems	Remove battery, check contacts and reinstall the battery pack.
Appliance stops while cutting	Heavy cutting line is used	Use standard nylon cutting line with a diameter of 2mm
	The motor shaft or trimmer head is bound with grass	Stop the trimmer, remove the battery, and remove the grass from the motor and trimmer head.
	The motor is overloaded	Remove the trimmer head from the grass. The motor will recover to work as soon as the load is removed. When cutting, move the trimmer head in and out of the grass to be cut and remove no more than 8 inches of length in a single cut.
	The battery pack is too hot.	Allow the battery pack to cool down.
	The battery pack is disconnected from the tool.	Re-install the battery pack.
	The battery pack is in low voltage.	Charge the battery pack.
Trimmer head does not advance line.	The motor shaft or trimmer head is bound with grass.	Stop the trimmer, remove the battery, and clean the motor shaft and trimmer head.
	There is not enough line on the spool.	Remove the battery and replace the cutting line; follow the section "LINE REPLACEMENT" in this manual.
	The trimmer head is dirty.	Remove the battery and clean the trimmer head.
	The line is tangled on the spool.	Remove the battery, remove the line from the spool and rewind, follow the section "LINE REPLACEMENT" in this manual.
	The line is inside the line cartridge.	Remove the battery, remove the line from the spool and rewind, follow the section "LINE REPLACEMENT" in this manual.
Line is not cutting well.	The line-cutting blade on the edge of the guard has become dull.	Sharpen the line-cutting blade with a file or replace it with a new blade.
The spool retainer loosens after it is fixed in position or drops while cutting.	The trimmer head is worn out.	Replace the trimmer head immediately; follow the section "REPLACEMENT OF THE TRIMMER HEAD" in this manual.

WARRANTY CARD

Product model	Date of sale
Serial number	Company
Username	Client's signature

The product is in good conditions and fully complete. Read and agree the terms of the warranty.

GUARANTEE

The warranty period starts from the date of sale of the products and covers 2 years for all power products.

During the warranty period, free failures caused due to the use of poor-quality materials in the production and manufacturer workmanship admitted fault are removed. The guarantee comes into force only when warranty card and cutting coupons are properly filled. The product is accepted for repair in its pure form and full completeness.

WARRANTY DOES NOT COVER

- Mechanical damage (cracks, chips, e tc.) and damage caused by exposure to aggressive media, foreign objects inside the unit and air vents, as well as for damage occurred as a result of improper storage (corrosion of metal parts);
- Failures caused by overloading or product misuse, use of the product for o ther purposes. A sure sign of overload products is melting or discoloration of parts due to the high temperature, simultaneous failure of two or more nodes, teaser on the surfaces of the cylinder and the piston or destruction of piston rings. A lso, the warranty does not cover failure of the automatic voltage r egulator due to incorrect operation;
- Failure caused b y clogging o f the fuel and cooling systems;
- Wearing parts (carbon b rushes, belts, rubber seals, oil seals, shock absorbers, springs, c lutches, spark plugs, mufflers, nozzles, pulleys, guide rollers, cables, recoil

starter, chucks, collets, removable batteries, filters and safety elements, g rease, r emovable devices, equipment, knives, drills, etc.);

- Electrical cables with mechanical and thermal damage;
- Product opened or repaired by a non-authorized service center.
- Prevention, care products (cleaning, washing, lubrication, etc.), installation and configuration of the product;
- Natural wear products (production share);
- Failures caused by using the product for the needs related to business activities;
- If the warranty card is empty or missing seal (stamp) of the Seller;
- The absence of the holder's signature on the warranty card.



DAEWOO	DAEWOO	DAEWOO
Product _____	Product _____	Product _____
Model _____	Model _____	Model _____
Company _____	Company _____	Company _____
Date of sale _____	Date of sale _____	Date of sale _____



DAEWOO
POWER PRODUCTS

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