

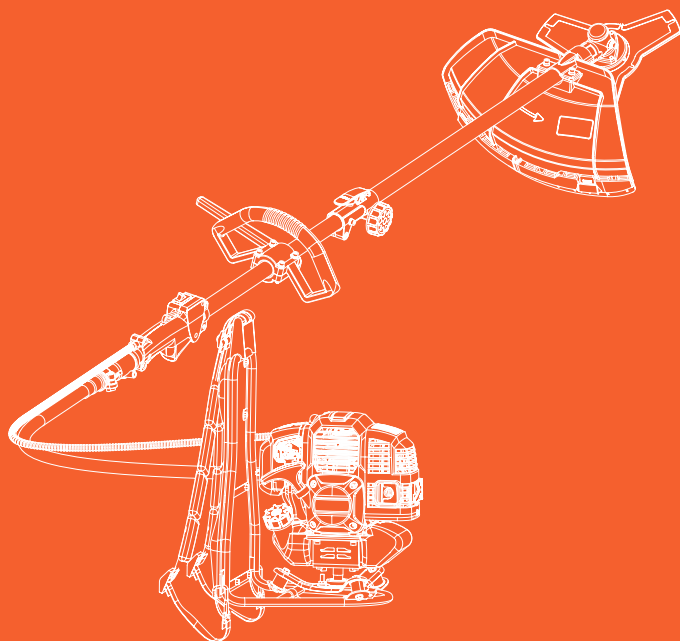


DAEWOO

POWER PRODUCTS

DBC520BG

GASOLINE BRUSH CUTTER



USER'S MANUAL / XXXXXXXX

www.daewoopowerproducts.com

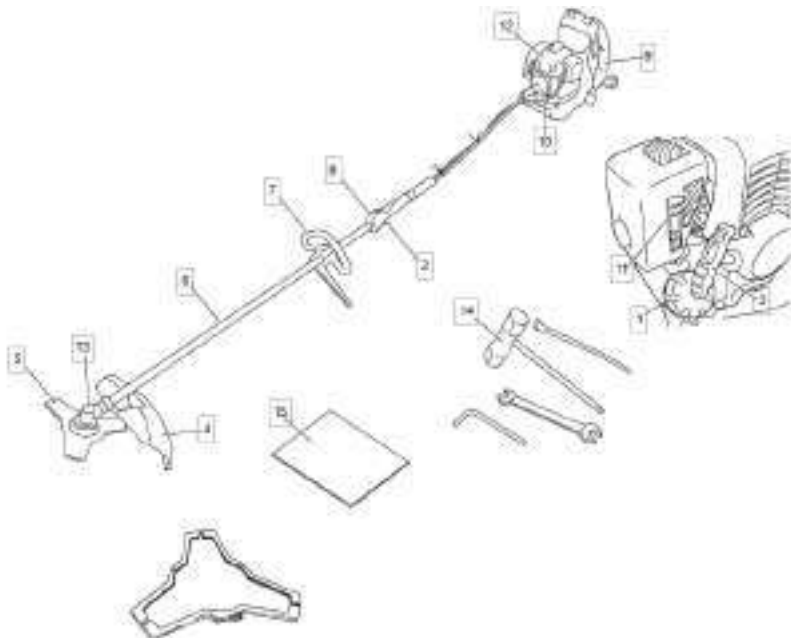
Manufactured under license of Daewoo International Corporation, Korea

INDEX

1. PARTS LOCATION.....	3
2. WARNING LABELS ON THE MACHINE.....	4
3. SYMBOLS ON THE MACHINE.....	5
4. FOR SAFE OPERATION	5
5. SET UP.....	12
6. FUEL AND CHAIN OIL.....	15
7. OPERATION.....	19
8. MAINTENANCE.....	29
9. STORAGE.....	34
10. DISPOSAL.....	34
11. TROUBLESHOOTING GUIDE.....	35
12. EXPLOSION VIEW	35
WARRANTY	38

1. PARTS LOCATION

1. Fuel cap
2. Throttle lever
3. Starter handle
4. Blade guard
5. Cutting attachment
6. Drive shaft tube
7. Handle
8. Ignition switch
9. Harness
10. Clutch case
11. Choke lever
12. Engine
13. Angle transmission
14. Combi box spanner
15. Handling instructions



2. WARNING LABELS ON THE MACHINE



1. Read owner's manual before operating this machine.



2. Wear head, eye and ear protection.



3. Wear foot protection.



4. Wear gloves.



5. Beware of thrown objects.



6. Warning / Attention



7. Keep all children, bystanders and helpers 15 meters away from the machine.

IMPORTANT!

If warning label peels off or becomes soiled and impossible to read, you should contact the dealer from which you purchased the product to order new labels and affix them in the required location(s).

WARNING!

Never modify your machine. We won't warrant the machine, if you use the remodeled brushcutter or if you don't observe the proper usage written in the manual.

3. SYMBOLS ON THE MACHINE

For safe operation and maintenance, symbols are carved in relief on the machine. According to these indications, please be careful not to make a mistake.



The port to refuel the “MIX GASOLINE” Position: FUEL TANK CAP



The direction to close the choke Position: AIR CLEANER COVER



The direction to open the choke Position: AIR CLEANER COVER

4. FOR SAFE OPERATION



1. Read this manual carefully until you completely understand and follow all safety and operating instructions.

2. Keep this manual handy so that you may refer to it later when-ever any questions arise. Also note, if you have any questions which cannot be answered herein, contact the dealer from whom you purchased the product.



3. Always be sure to include this manual when selling, lending, or otherwise transferring the ownership of this product.

4. Never allow children or anyone unable to fully understand the directions given in the manual to use the machine.

WORKING CONDITION



1. When using the product, you should wear proper clothing and protective equipment.

- (1) Helmet
- (2) Ear protectors
- (3) Protection goggles or face protector
- (4) Thick work gloves
- (5) Non-slip-sole work boots

2. And you should carry with you.

- (1) Attached tools
- (2) Properly reserved fuel
- (3) Spare blade
- (4) Things to notify your working area (rope, warning signs)
- (5) Whistle (for collaboration or emergency)
- (6) Hatchet or saw (for removal obstacles)



3. Do not wear loose clothing, jewelry, short trousers, sandals, or go barefoot. Do not wear anything which might be caught by a moving part of the unit. Secure hair so it is above shoulder length.

WORKING CIRCUMSTANCE



1. Never start the engine inside a closed room or building. Exhaust gases contain dangerous carbon monoxide.

2. Never use the product,

- a. when the ground is slippery or when you can't maintain a steady posture.



- b. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the working area.
- c. During rain storms, during lightning storms, at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use the product.

WORKING PLAN



1. You should never use the product when under the influence of alcohol, when suffering from exhaustion or lack of sleep, when suffering from drowsiness as a result of having taken cold medicine or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the product properly and in a safe manner.



2. When planning your work schedule, allow plenty of time to rest. Limit the amount of time over which the product is to be used continuously to somewhere around 30 ~ 40 minutes per session, and take 10 ~ 20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less.

WARNING!



- 1. If you don't observe the working time, or working manner (See "USING THE PRODUCT"), Repetitive Stress Injury (RSI) could occur. If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.
- 2. To avoid noise complaints, in general, operate product between 8 a.m. and 5 p.m. on weekdays and 9 a.m. to 5 p.m. on weekends.

NOTE

Check and follow the local regulations as to sound level and hours of operations for the product.

**BEFORE STARTING THE ENGINE**

1. The area within a perimeter of 15 m of the person using the product should be considered a hazardous area into which no one should enter. If necessary, yellow warning rope, warning signs should be placed around the perimeter of the area. When work is to be performed simultaneously by two or more persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people working so as to maintain a distance between each person sufficient to ensure safety.
2. Check the condition of working area to avoid any accident by hitting hidden obstacles such as stumps, stones, cans, or broken glass.

**IMPORTANT!**

Remove any obstacle before beginning work.



3. Inspect the entire unit for loose fasteners and fuel leakage. Make sure that the cutting attachment is properly installed and securely fastened.
4. Be sure the cutting attachment guard is firmly attached in place.
5. Always use the harness. Adjust the strap for comfort before starting the engine. The strap should be adjusted so the left hand can comfortably hold the handlebar grip approximately waist high.

STARTING THE ENGINE



1. Keep bystanders and animals at least 15 m away from the operating point. If you are approached, immediately stop the engine.

2. The product is equipped with a centrifugal clutch mechanism, so the cutting attachment begins to rotate as soon as the engine is started by putting the throttle into the start position. When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.

WARNING!

Never place the throttle into the high-speed position when starting the engine.

3. After starting the engine, check to make sure that the cutting attachment stops rotating when the throttle is moved fully back to its original position. If it continues to rotate even after the throttle has been moved fully back, turn off the engine and take the unit to your authorized servicing dealer for repair.

USING THE PRODUCT



IMPORTANT!

Cut only materials recommended by the manufacturer. And use only for tasks explained in the manual.



1. Grip the handles firmly with both hands using your whole hand. Place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady, even posture while working.}

2. Keep cutting attachment below waist level.

3. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary.



4. If the unit starts to shake or vibrate, turn off the engine and check the whole unit. Do not use it until the trouble has been properly corrected.



5. Keep all parts of your body away from rotating cutting attachment and hot surfaces.



6. Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. Doing so could result in serious burns or electrical shock.

WARNING!

Approaching or contacting electric power lines with pruning saw may cause serious injury or death from electrocution. Electricity can jump from one point to another by means of arcing or may be conducted through damp branches. Maintain a clearance of at least 15m between Pole saw and any electrical line carrying live current.

IF SOMEONE COMES

1. Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Be careful if you are approached. Injury may result from flying debris.

2. If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.

MAINTENANCE



1. In order to maintain your product in proper working order, perform the maintenance and checking operations described in the manual at regular intervals.
2. Always be sure to turn off the engine and disconnect the spark plug wire before performing any maintenance or checking procedures.

WARNING!

The metallic parts reach high temperatures immediately after stopping the engine.



3. In the event that any part must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest authorized servicing dealer for assistance.
4. Under no circumstances should you ever take apart the product or alter it in any way. Doing so might result in the product becoming damaged during operation or the product becoming unable to operate properly.

HANDLING FUEL



1. The engine of the product we offer is designed to run on a mixed fuel, which contains highly flammable gasoline. Never store cans of fuel or refill the tank of the unit in any place where there is a boiler, stove, wood fire, electrical sparks, welding sparks, or any other source of heat or fire which might ignite the fuel.
2. Never smoke while operating the unit or refilling its fuel tank.
3. When refilling the tank, always turn off the engine and allow it to cool down. Take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.



4. Wipe spilled fuel completely using a dry rag if any fuel spillage occurs during refueling.
5. After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the unit to a spot 3 m or more away from where it was refueled before turning on the engine.

TRANSPORTATION



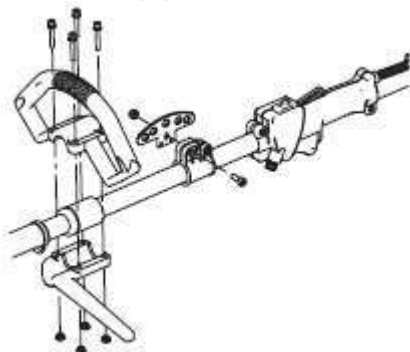
1. When hand-carrying the product, cover over the cutting part if necessary, lift up the product and carry it paying attention to the blade.
2. Never transport the product over rough roads over long distances by vehicle without removing all fuel from the fuel tank.

If doing so, fuel might leak from the tank during transport.

5. SET UP

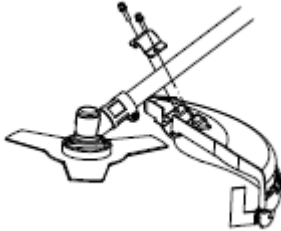
INSTALLING HANDLE

- Set the upper part and lower part of the handle at the right position.
- Tighten the loop handle with the screw and nut.
- Insert the nuts (4) into the countersunk holes in the lower handle and secure the top part of the handle with the bolts supplied (4)



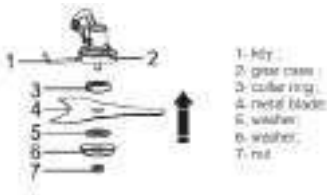
INSTALLING CUTTING ATTACHMENT GUARD

Put the cutting attachment guard on the gearbox, at-tach it with the 2 screws and hardware provided.



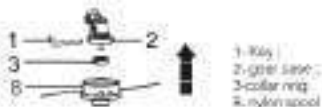
BRUSH CUTTER AND EDGE TRIMMER INSTALLING METAL BLADE

- 1- Place the collar ring (3) on the shaft thread.
- 2- Insert the key wrench (1) into the gear case locking hole.
- 3- Secure metal blade (4) between collar ring (3) and washer (5).
- 4- Place the washer (6)
- 5- Screw the nut (7).



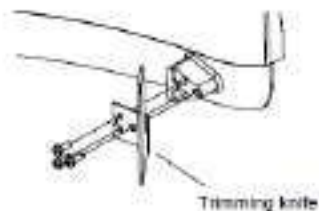
INSTALLING THE NYLON LINE (NYLON CUTTER HEAD)

- 1- Place the collar ring (3) on the shaft thread.
- 2- Insert the key wrench (1) into the gear case locking hole.
- 3- Screw the nylon spool (8) on the shaft thread.
- 4- Check the spool is secured tightly.

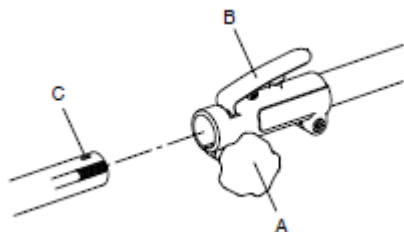


NOTE

Before using trimmer head, mount the trimming knife with 3 screws as illustrated below. When the machine is run-ning, tap the trimmer head on the ground, the trimmer line will come out automatically. The trimming knife will cut and keep the trimmer line in correct length.



CONNECTING THE SHAFT



To connect the working shaft to the main shaft,

- Loose the turning nut(A) and press the “Push”button(B). Insert the working shaft into the connector and release the “ Push ” button(-B),make sure the “ Push ” buttons locks the hole (C) on the working shaft. Secure the turning nut(A).

HOW TO WEAR PUTTING ON THE UNIT

1. Start the engine and warm it up.
2. As holding the front handle with your right hand, put on the unit on your left shoulder.
3. After passing the front handle to your left hand, put the right harness on your shoulder.
4. Adjust the harness length to your comfortable position.
5. Connect the waist harness and the front middle harness.
6. Adjust the harness length to your comfortable position.

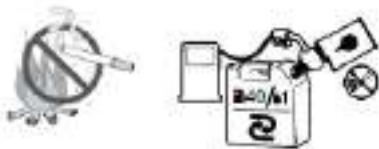


6. FUEL AND CHAIN OIL

- FUEL

WARNING!

Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3 m (10 ft) away from the fueling point before starting the engine.



- **RECOMMENDED MIXING RATIO GASOLINE 25 : OIL 1**
ONLY USE UNLEADED 95 FUEL (STANDARD) AND SYNTHETIC 2-STROKE OIL FOR THE MIXTURE.

Mix	25:1	40:1
Gasoline	Oil in ml	Oil in ml
1,0 Liter	40	25
1,5 Liter	60	38
2,0 Liter	80	50
2,5 Liter	100	63
3,0 Liter	120	75
3,5 Liter	140	88
4,0 Liter	160	100
4,5 Liter	180	113
5,0 Liter	200	125
5,5 Liter	220	138
6,0 Liter	240	150

6,5 Liter	260	163
7,0 Liter	280	175
7,5 Liter	300	188
8,0 Liter	320	200
8,5 Liter	340	213
9,0 Liter	360	225
9,5 Liter	380	238
10,0 Liter	400	250
10,5 Liter	420	263
11,0 Liter	440	275
11,5 Liter	460	288
12,0 Liter	480	300
12,5 Liter	500	313
13,0 Liter	520	325
13,5 Liter	540	338
14,0 Liter	560	350
14,5 Liter	580	363
15,0 Liter	600	375
15,5 Liter	620	388
16,0 Liter	640	400
16,5 Liter	660	413
17,0 Liter	680	425

17.5 Liter	700	438
18.0 Liter	720	450
18.5 Liter	740	463
19.0 Liter	760	475
19.5 Liter	780	488
20.0 Liter	800	500

• Exhaust emission are controlled by the funda-mental engine pa-rameters and components (eq., carburation, ignition timing and port timing) with-out addition of any major hardware or the intro-duc-tion of an inert material during combustion.

- These engines are certified to operate on unleaded gasoline.
- If you use a gasoline of a lower octane value than pre-scribed, there is a danger that the engine tempera-ture may rise and an engine problem such as piston seizing may consequently occur.
- Unleaded gasoline is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality gasolines or oils may damage sealing rings, fuel lines or fuel tank of the engine.

• HOW TO MIX FUEL

Pay attention to agitation.

1. Measure out the quantities of gasoline and oil to be mixed.
 2. Put some of the gasoline into a clean, approved fuel container.
 3. Pour in all of the oil and agitate well.
 4. Pour in the rest of gasoline and agitate again for at least one minute.
- As some oils may be difficult to agitate depending on oil ingredients, sufficient agi-tation is necessary for the engine to last long. Be careful that, if the agitation is insufficient, there is an increased danger of early piston seizing due to ab-normally lean mixture.

5. Put a clear indication on the outside of the container to avoid mixing up with gasoline or other containers.
6. Indicate the contents on outside of container for easy identification.

- **FUELING THE UNIT**

1. Untwist and remove the fuel cap. Rest the cap on a dustless place.
2. Put fuel into the fuel tank to 80% of the full capacity.
3. Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

WARNING!

1. Select flat and bare ground for fueling.
2. Move at least 10 feet (3 meters) away from the fu-eling point before starting the engine.
3. Stop the engine before refueling the unit. At that time, be sure to sufficiently agitate the mixed gaso-line in the container.

- **FOR YOUR ENGINE LIFE, AVOID:**

1. FUEL WITH NO OIL (RAW GASOLINE) – It will cause severe damage to the internal engine parts very quickly.
2. DO NOT USE FUEL TYPE SP95-E10 (10% ETHANOL) TO MAKE THE 2-STROKE MIXTURE.
3. DO NOT USE READY-TO-USE ALKYLATE PETROL, THESE TYPES OF FUELS ARE DIFFERENT IN COMPOSITION AND NOT COMPATIBLE WITH OUR MACHINES AND CAN RESULT IN EARLY DAMAGE OF THE ENGINE AND / OR CARBURETOR.
4. OIL FOR 4-CYCLE ENGINE USE – It can cause spark plug fouling, exhaust port blocking, or piston ring stick-ing.
5. Mixed fuels which have been left unused for a pe-riod of one month or more may clog the carburetor and result in the engine failing to operate properly.
6. In the case of storing the product for a long period of time, clean the fuel tank after rendering it empty. Next, activate the engine and empty the carburetor of the composite fuel.

7. In the case of scrapping the used mixed oil container, scrap it only at an authorized repository site.

NOTE

As for details of quality assurance, read the description in the section Limited Warranty carefully. Moreover, normal wear and change in product with no functional influence are not covered by the warranty. Also, be careful that, if the usage in the instruction manual is not observed as to the mixed gasoline, etc. described therein, it may not be covered by the warranty.

7. OPERATION

WARNING!

The cutting head will start rotating upon the engine starts.

1. Feed fuel into the fuel tank and tighten the cap securely.



2. Rest the unit on a flat, firm place. Keep the cutting head off the ground and clear of surrounding objects, as it will start rotating upon starting of the engine.

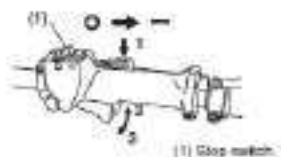
3. Push the primer several times until overflowed fuel flows out in the clear tube.



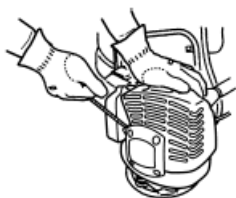
4. Move the choke lever to the closed position.



5. Set the stop switch to the “-” position. Set the throttle trigger to the start position (1 → 2 → 3). Place the unit on a flat, firm place. Keep the cutting head clear of everything around it.



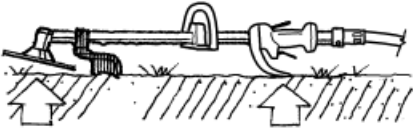
6. While holding the unit firmly, pull out the starter rope quickly until engine fires.



WARNING!

The product is equipped with a centrifugal clutch mechanism, so the cutting attachment begins to rotate as soon as the engine is started by putting the throttle into the start position.

When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.



IMPORTANT

Avoid pulling the rope to its end or returning it by re-leasing the knob. Such actions can cause starter failures.

7. Move the choke lever downward to open the choke.
And restart engine.



8. Allow the engine to warm up for a several minutes before starting operation.

NOTE

1. When restarting the engine immediately after stop-ping it, leave the choke open.
2. Overchoking can make the engine hard to start due to excess fuel. When the engine failed to start after several attempts, open the choke and repeat pulling the rope, or remove the spark plug and dry it.

STOPPING ENGINE

1. Release the throttle lever and run the engine for half a minute.
2. Shift the stop switch to the STOP position.

IMPORTANT!

Except for an emergency, avoid stopping the engine while pulling the throttle lever.

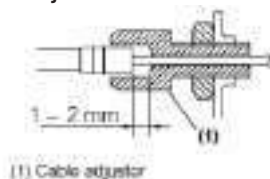
IMPORTANT!

When it doesn't stop at the stop switch, move the choke level to the closed position.

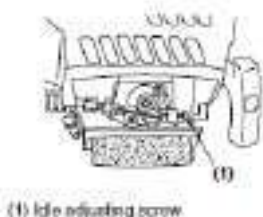


ADJUSTING THROTTLE CABLE

The normal play is 1 or 2 mm when measured at the carburetor side end. Readjust with the cable adjuster as required.



ADJUSTING IDLING SPEED



1. When the engine tends to stop frequently at idling mode, turn the adjusting screw clockwise.
2. When the cutting head keeps rotating after releasing the trigger, turn the adjusting screw counter-clockwise.

NOTE

Warm up the engine before adjusting the idling speed.

CUTTING WORK (LINE HEAD USAGE)

WARNING!

1. **Always wear eye protection such as safety goggles. Never lean over the rotating cutting head. Rocks or other debris could be thrown into eyes and face and cause serious personal injury.**
2. **Keep the cutting attachment guard in place at all times when the unit is operated.**

TRIMMING GRASS AND WEEDS

- Always remember that the TIP of the line does cutting. You will achieve better results by not crowding the line into the cutting area. Allow the unit to trim at its own pace.
1. Hold the unit so the head is off the ground and is tilted about 20 degrees toward the sweep direction.



2. You can avoid thrown debris by sweeping from your left to the right.
3. Use a slow, deliberate action to cut heavy growth. The rate of cutting motion will depend on the material being cut. Heavy growth will require slower action than will light growth.
4. Never swing the unit so hard as you are in danger of losing your balance or control of the unit.
5. Try to control the cutting motion with the hip rather than placing the full workload on the arm and hands.
6. Take precautions to avoid wire, grass and dead, dry, long-stem weeds from wrapping around the head shaft. Such materials can stall the head and cause the clutch to slip, resulting in damage to the clutch system if repeated frequently.

ADJUSTING THE LINE LENGTH

- Your brush cutters are equipped with a semi- auto type nylon line head that allows the operator to advance the line without stopping the engine. When the line becomes short, lightly tap the head on the ground while running the engine at full throttle.
- Each time the head is bumped, the line advances about 1 inch (25.4 mm). For better effect, tap the head on bear ground or hard soil. Avoid bumping in thick,



CUTTER APPLICATION TABLE	3 tooth blade	Nylon Trimmer
		
Heavy weeds 		
Light weeds 		
Grass 		

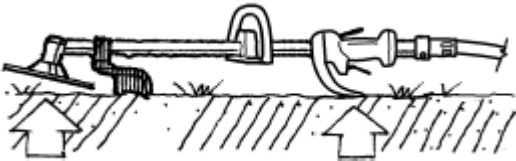
CHOOSE THE BLADE

Choose a suitable recommended cutting attachment according to the object to be cut.

STARTING THE ENGINE

WARNING!

The product is equipped with a centrifugal clutch mechanism, so the cutting attachment begins to rotate as soon as the engine is started by putting the throttle into the start position. When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.



CUTTING METHOD

- Use the front left side cutting.
- Guide the blade from your right to left with it tilted slightly to your left.



c) When mowing a wide area, start working from your left end to avoid interference of cut grass.

d) The blade may be seized by weeds if the engine speed is too low, or the blade cuts too deep into weeds. Adjust the engine speed and cutting depth according to the condition of object.

WARNING!

- If the grass or other object gets caught in the blade, or if the unit starts to shake or vibrate, turn off the engine and check the whole unit. Change the blade if it has been damaged.
- Turn off the engine and make sure the blade has completely stopped before checking the blade, and removing any object got caught in.

OPERATION

1. Check the bolt to fasten the blade and be sure the bolt has no fault, and no abrasion.
2. Be sure that the blade and the holder have been fastened according to instruction and that the blade turns smoothly without abnormal noise.



WARNING!

- The rotating parts fastened incorrectly may cause serious accident to the operator.
- Make sure that the blade is not bent, warped, cracked, broken or damaged.
- If you find any error to the blade, discard it and replace with a new one.

By using the shoulder strap, hang the unit on your right side. Adjust the strap length so that the cutting head may become parallel to the ground.



WARNING!

Make sure to use shoulder strap and cutting attachment guard. If not, it is very dangerous when you slip or lose your balance.

WARNING!

CONTROLLING BLADE BOUNCE

Blade thrust can cause serious personal injury. Care-fully study this section. It is important that you un-derstand what causes blade thrust, how you can re-duce the chance of blade thrust and how you can remain in control of the unit if blade thrust does oc-cur.

1. What causes blade thrust:

- blade thrust can occur when the moving blade contacts an object that it cannot cut. This contact causes the blade to stop for an instant and then suddenly move or “bounce” away from the object that was hit. The operator can lose control of the unit and the blade can cause serious personal injury to the operator or any person nearby if the blade contacts any part of the body.

2. How you can reduce the chance of blade thrust:

- a. Recognize that blade thrust can happen. By un-derstanding and knowing about bounce, you can help eliminate the element of surprise.
- b. Cut fibrous weeds and grass only. Do not let the blade contact materials it cannot cut such as hard, woody vines and bushes or rocks, fences, metal, etc.

- c. Be extra prepared for bounce if you must cut where you cannot see the blade making contact such as in areas of dense growth.
 - d. Keep the blade sharp. A dull blade increases the chance of bounce.
 - e. Avoid feeding the blade too rapidly. The blade can bounce away from material being cut if the blade is fed faster than its cutting capability.
 - f. Cut only from your right to your left.
 - g. Keep your path of advance clear of material that has been cut and other debris.
3. How you can maintain the best control:
- a. Keep a good, firm grip on the unit with both hands. A firm grip can help neutralize bounce. Keep your right and left hands completely around the respective handles.
 - b. Keep both feet spread apart in a comfortable stance and yet braced for the possibility that the unit could bounce. Do not overreach. Keep firm footing and balance.

TRANSPORTING THE UNIT

- When you finish cutting in one location and wish to continue work in another spot, turn off the engine, lift up the unit and carry it, paying attention to the blade.
- Never forget to place the protective cover over the blades. When transporting the unit over long distances, detach the blade and fasten the unit by ropes.

8. MAINTENANCE

	System/components	Procedure	Before use	Every 25 hours after	Every 50 hours after	Every 100 hours after	Note
ENGINE	fuel leaks, fuel spillage	wipe out	✓				
	fuel tank, air filter, fuel filter	inspect/clean	✓	✓			replace, if necessary
	idle adjusting screw	see adjusting idling speed (p. 22)	✓				replace carburetor if necessary
	spark plug	clean and readjust plug gap			✓		GAP: 0.05 in (0.6 = 0.7 mm) replace, if necessary
	cylinder fins, intake air cooling vent	clean		✓			
	muffler, spark arrestor, cylinder exhaust port	clean			✓		
SHAFT	throttle trigger, stop switch	check operation	✓				
	cutting parts	replace if something's wrong	✓				
	transmission	grease		✓			
	screws/nuts/bolts	tighten/replace	✓			✓	not adjusting screws
	cutting attachment guard	make sure to attach	✓				

WARNING!

Make sure that the engine has stopped and is cool before performing any service to the machine. Con-tact with moving cutting head or hot muffler may result in a personal injury.

AIR FILTER

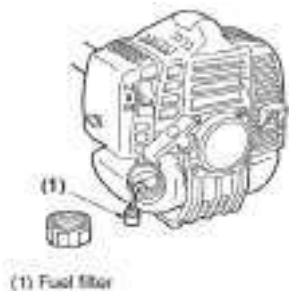
The air filter, if clogged, will reduce the engine perfor-mance. Check and clean the filter element in warm, soapy water as required. Dry completely before in-stalling. If the element is broken or shrunk, replace with a new one.



(1) Air filter

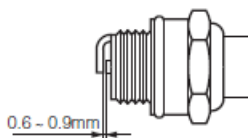
FUEL FILTER

When the engine runs short of fuel supply, check the fuel cap and the fuel filter for blockage.



SPARK PLUG

Starting failure and misfiring are often caused by a fouled spark plug. Clean the spark plug and check that the plug gap is in the correct range. For a re-placement plug, use the correct type.



IMPORTANT!

- Note that using any spark plug other than those designated may result in the engine failing to operate properly or in the engine becoming overheated and damaged.
- To install the spark plug, first turn the plug until it is finger tight, then tighten it a quarter turn more with a socket wrench.

TIGHTENING TORQUE: 9.8 ~ 11.8 N.m.
(1 ~ 1.2 kg.m.)

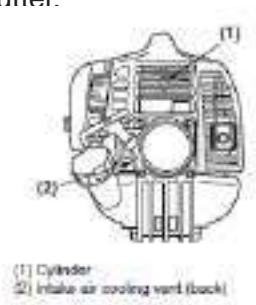
MUFFLER

WARNING!

- Inspect periodically, the muffler for loose fasten-ers, any damage or corrosion. If any sign of ex-haust leakage is found, stop using the machine and have it repaired immediately.
- Note that failing to do so may result in the engine catching on fire.

IMPORTANT!

If waste gets stuck and causes blockage around the intake air cooling vent or between the cylinder fins, it may cause the engine to overheat, and that in turn may cause mechanical failure on the part of the brush-cutter.



PROCEDURES TO BE PERFORMED AFTER EVERY 100 HOURS OF USE



1. Remove the muffler, insert a screwdriver into the vent, and wipe away any carbon buildup. Wipe away any carbon buildup on the muffler exhaust vent and cylinder exhaust port at the same time.
2. Tighten all screws, bolts, and fittings.
3. Check to see if any oil or grease has worked its way in between the clutch lining and drum, and if it has, wipe it away using oil-free, lead-free gasoline.

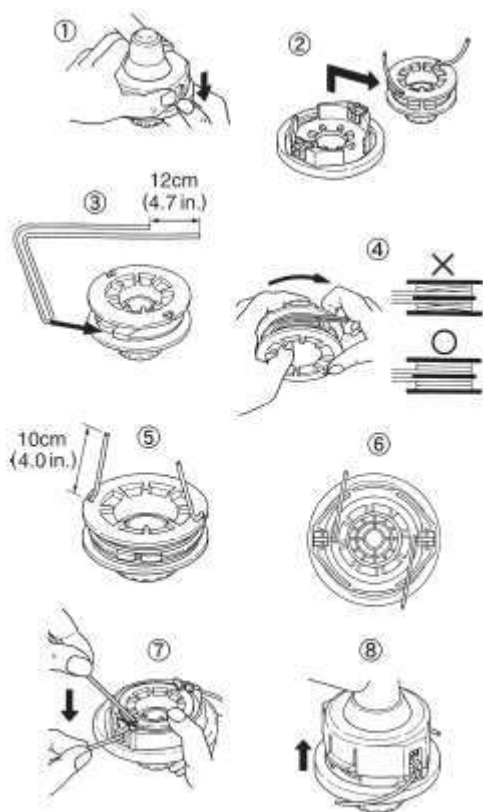
REFILLING TRIMMING LINE

1. For replacement line, use a diameter of 2.4mm(.095in). The spool is capable for a line upto 6m(20ft) on the 10cm(4") head. Avoid using a larger line as it may cut down the trimming performance.

WARNING!

For safety reasons, do not use metalreinforced line.

2. Pinch the slotted area on the both sides of the spool housing to unhook the bottom cap.
3. Take out the spool and pull off the old line. Put one end of new line through the spool holes and pull it until the length is equal between each part of the line.
4. Wind up the line in the correct direction as indicated on the spool.
5. Hook each end of the line in the slot on the edge of the spool, and then put the ends through the eyelets on the housing. Make sure that the spring and the washers are in place.
6. While holding the spool against the housing, pull the line ends to release them from the slot.
7. Line up the slot on the bottom cap with the hook on the housing, press the cap against the housing until it clicks.



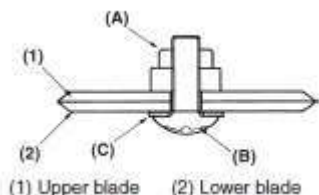
ANGLE TRANSMISSION



- The reduction gears are lubricated by multipurpose, lithium-based grease in the angle transmission. Sup-ply new grease every 25 hours of use or more often depending on the job condition.
- Remove the cutter holders before installing new grease to arrange for old grease to exit.

BLADES

- When refilling the tank or resting, it is often a good idea to use the time to oil the cutting blades.
- If a gap exists between the upper and lower blades, follow the procedure below to adjust them so that they fit more closely together.



1. Loosen lock nut (A) as shown in the diagram.
2. Tighten screw (B) fully, and then turn one-third to one-half of a rotation backward.
3. While holding onto the screw to keep it in position, tighten the lock nut.
4. Check to make sure that the flat washer (C) is loose enough so that it may be turned by pressing on it with a finger.

9. STORAGE

Aged fuel is one of major causes of engine starting fail-ure. Before storing the unit, empty the fuel tank and run the engine until it uses all the fuel left in the fuel line and the carburetor. Store the unit indoor taking necessary measures for rust prevention.

10. DISPOSAL

When disposing your machine, fuel or oil for the machine, be sure to allow your local regulations.

11. TROUBLESHOOTING GUIDE

Case 1. Starting failure

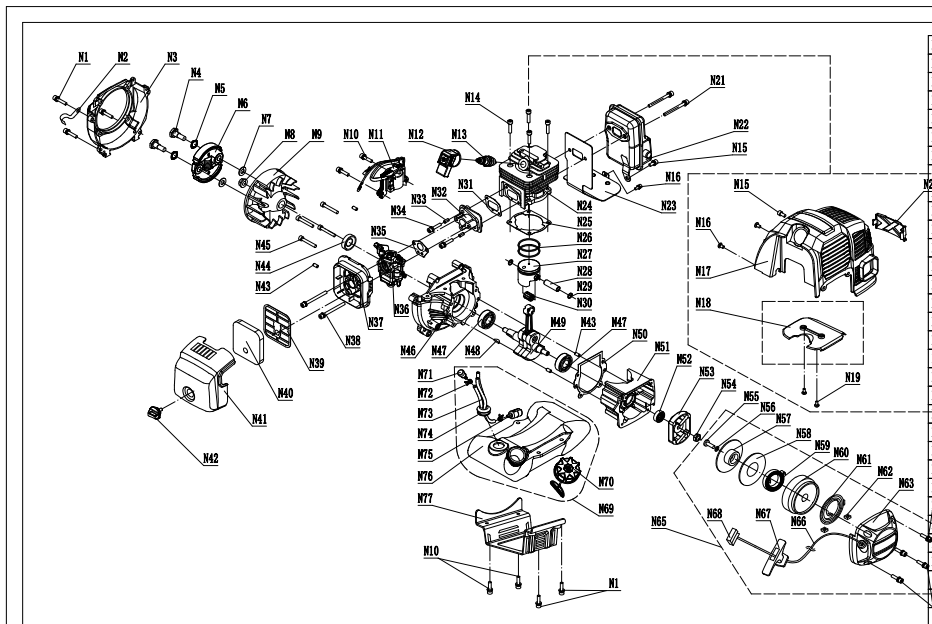
CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel	→ drain it and use correct fuel
fuel filter	→ fuel filter is clogged	→ clean
carburetor adjustment screw	→ out of normal range	→ adjust to normal range
sparkling (no spark)	→ spark plug is fouled/wet	→ clean/dry
	→ plug gap is incorrect	→ correct (GAP: 0.6 ~ 0.7 mm)
spark plug	→ disconnected	→ rejoin

Case 2. Engine starts but does not keep running/hard re-starting

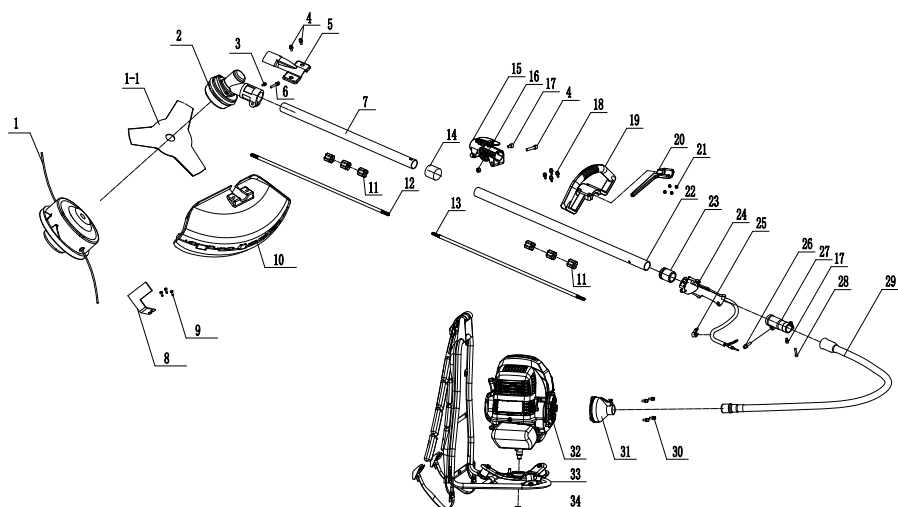
CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel or staled fuel	→ drain it and use correct fuel
carburetor adjustment screw	→ out of normal range	→ adjust to normal range
muffler, cylinder (exhaust port)	→ carbon is built-up	→ wipe away
air cleaner	→ clogged with dust	→ wash
cylinder fin, fan cover	→ clogged with dust	→ clean

12. EXPLOSION VIEW

ENGINE



WHOLE MACHINE



EC Declaration of Conformity

Model Name: GASOLINE BACK PACK BRUSH CUTTER

Gasoline Chain Saw

Model Code: DBC520BG

Brand: DAEWOO

We GBR Corp. LTD, Room 1002, 10/F., David House, 8-20 Nanking Street, Jordan, Kowloon, Hong Kong, China, declare under our sole responsibility that this product is in conformity and accordance with the following standards and regulations.

The undersigned is responsible for the compilation of technical documentation.

Satisfies the requirement of the Council Directives:

EC Machinery Directive: 2006/42/EC

EC Electromagnetic Compatibility Directive: 2014/30/EU

Noise directive 2000/14/EC as amended by 2005/88/EC (Measured sound power level: 105.4dB(A) K=3.0 dB(A), Guaranteed sound power level: 113dB(A)

Emission directive (EU) 2016/1628

and conforms to the norms:

EN ISO 11806-1:2011

EN ISO 14982:2009

Signature and Stamp on undersigned responsible.

Date: 1-1-2022

Jerry Xu
Sourcing and
quality manager

A blue ink signature of Jerry Xu is written over a circular blue ink stamp. The stamp contains the text "GBR" at the top and "SOURCING AND QUALITY MANAGER" around the bottom edge.

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 o f overload products is melting or discoloration of parts due to the high temperature, s imultaneous f ailure o f two or m ore nodes, teaser o n the surfaces o f the cylinder and t he p iston or destruction of p iston rings. A lso, t he warranty does not cover f ailure o f the automatic voltage r egulator due t o incorrect operation;
 - Failure caused b y clogging o f the fuel and cooling systems;
 - Wearing parts (carbon brushes, 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

Product

Model

Company

Date of sale

DAEWOO

Product

Model

Company

Date of sale

DAEWOO

Product

Model

Company

Date of sale



DAEWOO
POWER PRODUCTS

www.daewoopowerproducts.com

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