

**casals** 



## Brush Cutter 52cc



COMPLIES WITH  
INTERNATIONAL  
IEC60745  
SAFETY SPECIFICATIONS

  
52cc

2 YEAR  
WARRANTY

Model:  
BC52P

PLEASE READ ALL INSTRUCTIONS BEFORE USE

## **IMPORTANT:**

Thank you for purchasing a Casals Petrol Brushcutter (hereinafter referred to as the "Brushcutter").

This manual will assist you in operating and maintaining your Brushcutter. This manual is the latest version. With the continuous improvement and upgrading of this product, the manufacturer reserves the right to modify this manual without notice. The manufacturer shall assume no liability for incorrect information contained in this manual.

This manual is an integral part of the Brushcutter. When the Brushcutter is transferred to others, this manual should be handed over to the new owner. Some important information in this manual will be indicated in the following way (please see below). The users should pay special attention to these instructions.

**The range of CASALS Outdoor Power tools is safe and reliable, but incorrect use of these products may cause personal injury and or damage to your machine. Please read this manual thoroughly before operation as this product is required to operate strictly in accordance with this manual.**

## **IMPORTANT NOTICES:**

**WARNING:** When using the Brushcutter, basic safety precautions including the following safety instructions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and retain these instructions for future reference.

### **1. GENERAL SAFETY PRECAUTIONS:**

- 1.1. Do not operate this product in an explosive atmosphere, such as in the presence of flammable liquids, gases or dust.
- 1.2. Keep children and bystanders away while operating the Brushcutter. Distractions can cause you to lose control.
- 1.3. Do not expose the Brushcutter to rain or wet conditions.
- 1.4. Stay alert. Watch what you are doing and use common sense when operating the Brushcutter.
- 1.5. Do not operate the Brushcutter when you are tired or under the influence of drugs, alcohol or medication.
- 1.6. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat and hearing protection used for appropriate conditions will reduce personal injuries.
- 1.7. Remove any adjusting key or wrench before starting the Brushcutter. A wrench or a key left attached to

a rotating part of the Brushcutter will result in personal injury.

1.8. Do not over reach. Keep proper footing and balance at all times. This enables better control of the Brushcutter in unexpected situations.

1.9. Dress properly. Do not wear loose clothing or jewellery; Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

1.10. Do not force the Brushcutter. Use the correct the Brushcutter for your application, The correct garden power tools will do the job better and safer at the rate for which it was designed.

1.11. Do not use the Brushcutter if the switch does not turn it on and off. Any part of the Brushcutter that cannot be controlled with the switch is dangerous and must be repaired.

1.12. Ensure the Brushcutter is off before making any adjustments.

1.13. Store out of the reach of children and do not allow persons unfamiliar with the Brushcutter or these instructions to operate the Brushcutter. Brushcutters are dangerous in the hands of untrained users.

1.14. Use the Brushcutter, in accordance with these instructions and in the manner intended, taking into account the working conditions and the work to be performed.

1.15. Use of the Brushcutter or operations different from the intended use, could result in a hazardous situation.

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

## 2.1. SAFETY WARNINGS AND EXPLANATIONS:



Read owner's manual before operating this machine.



Wear head, eye and ear protection.



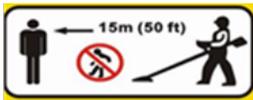
Use the Brushcutter with two hands.



Warning! Kickback is dangerous.



Warning/Attention



Keep children, bystanders and helpers at least 15 meters away from the brush cutter.



The exhaust and other parts of the engine will get very hot during use, do not touch.



Petrol is very flammable. Avoid smoking or bringing any flame or sparks near fuel.

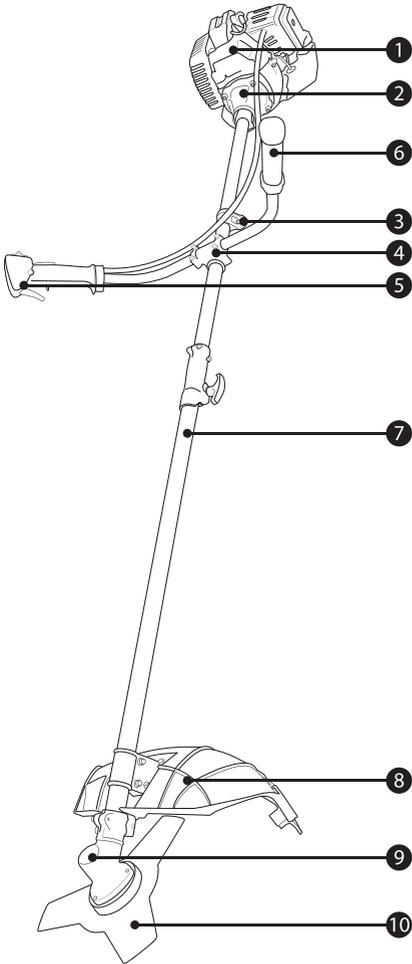


Beware of thrown objects hit by cutting attachments. Never use without properly mounted blade guard.



Beware of foot injury by cutting attachment

### 3. COMPONENTS:



1. Engine
2. Clutch Assembly
3. Shoulder Tach
4. Throttle Lever Assembly
5. Handle Assembly
6. Operation Handle
7. Drive Shaft Assembly
8. Blade Guard
9. Gear Case Assembly
10. Blade

### 4. USE AND CARE:

#### 4.1. Assembly:

##### Engine Assembly:

Remove the four bolts installed on the engine. The four bolt holes of the clutch case should be screwed to the threaded holes at the base of the engine.

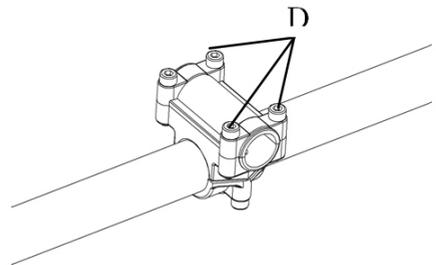
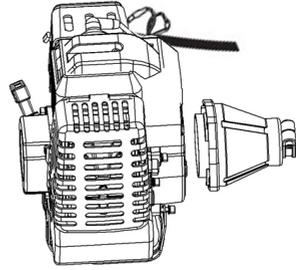


Fig.2

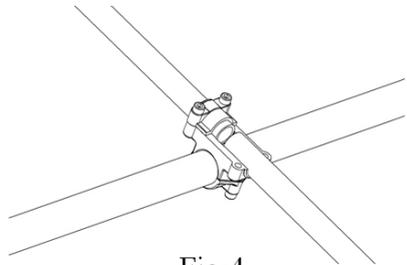


Fig.4

### Shaft Assembly:

Handle assembly is to be installed and adjusted to a suitable position according to your convenience and comfort. The four bolts and nuts should be adjusted so that the handle is secured tightly in the bracket. (Fig.1~Fig.5)

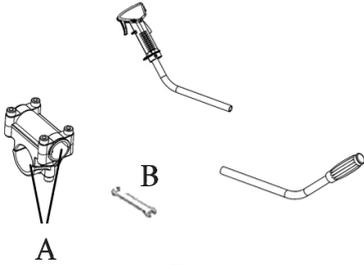


Fig.1

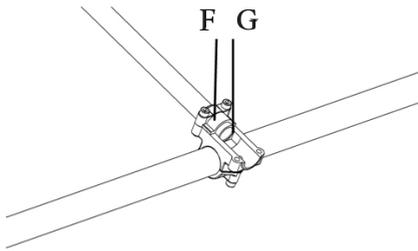


Fig.3

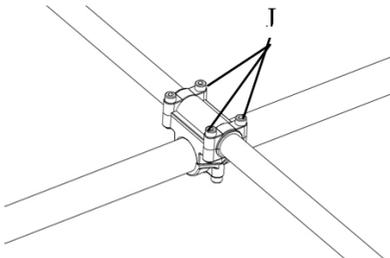


Fig.5

### Throttle lever and clutch diagram: (Fig.6)

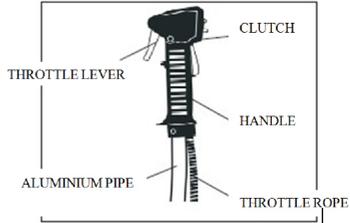


Fig.6

### Blade safety guard Installation: (Fig.7)

Slide the blade guard bracket onto the shaft. There after attach the gear case assembly to the shaft. Attach connecting metal bracket between the gear case and guard bracket, ensuring the holes for the screws line up. Place the blade guard underneath the bracket, aligning the holes in the blade guard bracket, the connecting bracket and the blade guard itself. Use the four nuts and bolts provided to secure them all together. It should be assembled with the nut, the tensioner, the washer and then placed through the brackets from the top with the bolt securing the screw from the bottom of the blade guard.

There are six holes on the blade guard allowing the blade guard to be secured in one of two positions, either closer or further away from the shaft. Once the guard and the gear case assembly are at the correct angle on the shaft with regards to the handles, secure and tighten the tensioning screws.

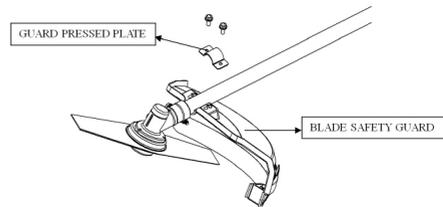


Fig.7

### Gear Case Part

Remove the blade fixing bolt, assemble the blade by this sequence: cutter holder blade, cutter holder cap, cutter fixing nut. To align the slot of gear case body with the hole of cutter holder, insert the Allen wrench. Then tighten the blade fixing bolt anti-clockwise with the box wrench. (Fig.8)

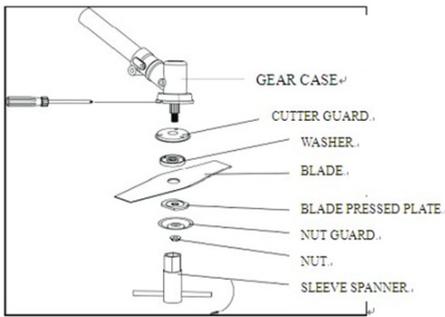


Fig.8

#### 4.2. Use:

Adjust shoulder belt length and the position of the handle assembly to your comfort position before starting engine. Make sure all the bolts are tightly secured.

##### 1. Filling the fuel.

(Mixing ratio 20:1: Fill petrol to the scale 500 mark on the container, and then fill oil to the scale 20:1 mark on the container. Method of mixing ratio 25:1: Fill petrol to the scale 500 mark the container, and then fill oil to the scale 25:1 mark on the container.) (Fig.9)

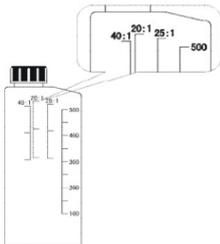


Fig.9

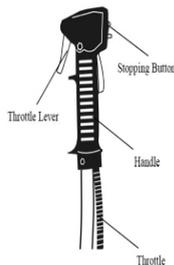


Fig.10

##### 2. The throttle lever to be pressed on 1/4 position. (Fig.10)

**CAUTION:** Do not move the throttle lever to max throttle. It will suddenly spin the blade at high speed.

##### 3. Set the choke lever to closed position.(Fig.11)

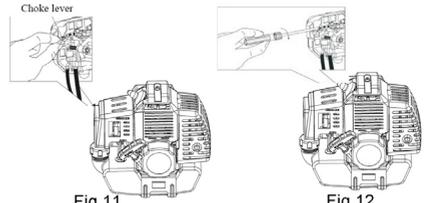


Fig.11

Fig.12

4. Pull the recoil starter briskly. When you hear the engine fires, move the choke lever back to open position. Then pull the recoil starter briskly until the engine starts and runs.
5. After starting the engine, allow it about 2~3 minutes to warm up at an idle speed 2800~3200rpm before subjecting it to any load.

**CAUTION:** Blade may run and flexible shaft may swing as starting the engine. Don't let the blade touch anything when starting the engine.

##### 6. Idle speed adjustment

When the idle speed is too high or too low, adjust it with the idle speed adjusting screw. If the idle speed is too high, turn the adjusting screw counter-clockwise. If the idle speed is too low, turn the screw clockwise.(Fig.12)

#### 4.3. Installing the blade:

1. Before installing a blade, you must check if there are signs of damage to the blade. Replace the blade that is cracked, bent or chipped.
2. After installing the blade, be sure to align the hole in the blade with the shoulder on cutter holder. Turn the blade briskly to check if the blade turns defective.
3. Make sure you install the blade with cutting edges and the arrow on the blade in the direction of rotation. Never install it reversed.
4. Make sure the blade has been properly installed by running the blade with no load for a minute before cutting. Do not operate the engine over 6000rpm.
5. The type of blade must be matched to the type and size of cut.
6. Never thrust the blade into the objects when cutting. You must cut the objects at a moderate speed.
7. Do not stop the machine while cutting. It may cause danger and blade damage.

## 5. Maintenance

### Maintenance Mode

Maintenance will help your machine work in a good condition.

1. Daily inspect: (daily maintenance)
  - Inspect all the bolts and screws to make sure they are sufficiently tightened.
  - Check if the fuel tank has any leaks or trapped air.
2. Every 20 hours inspect: (base on daily maintenance)
  - Clean the air filter element. (Fig.15)
  - Clean the fuel filter.
3. Every 50 hours inspect: (base on daily maintenance)
  - Retighten the bolts of cylinder.
  - Clean the excess carbon from cylinder firebox and cylinder exhaust port.
  - Clean the excess carbon from spark plug, and re-adjust the electrode gap to 0.6mm-0.7mm.(Fig.16)
  - Clean the excess carbon from exhaust port of muffler.
  - Flexible shaft should be removed and lubricated with a good quality lithium grease.
  - Gear case should be lubricated with the grease.
  - Make sure that all the bolts, screws and nuts are sufficiently tightened. Inspect carefully for any fuel leak on the fuel tube.

c. Clean the external surfaces of the machine with a clean rag. Then store the machine in a clean and dry place.

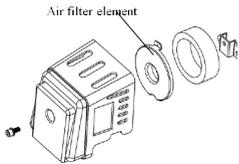


Fig.15

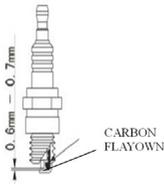


Fig.16

## Storage

If the machine is not used for a long period of time the following steps of brush cutter storage will help you start the engine easier when you use the machine again.

- a. Completely drain the fuel out of the fuel tank and carburetor.  
Close the choke and pull the recoil starter handle 3-5 times.
- b. Remove the spark plug and pour the correct amount of engine oil into the cylinder through the spark plug hole. Pull the recoil starter handle gently 2-3 times. Make the piston stop at the top of its travel. Then install the spark plug.

## 6. Troubleshooting

<b>Problem</b>	<b>Possible Causes</b>	<b>Solution</b>
Engine doesn't start.	No fuel in carburetor.	Please press the priming bulb to fill carburetor.
	Fuel mixed with water.	Please drain fuel tank and carburetor, refill with fresh fuel.
	Spark plug covered by carbon or plug defective.	Replace spark plug.
	Spark plug gap incorrect.	Regap to 0.6 - 0.7mm
	Fuel mixture too rich.	Please adjust the carburettor.
Engine runs but does not accelerate properly.	The choke wasn't opened fully.	Open the choke.
	Fuel mixed at an incorrect ratio.	Please adjust the carburettor fuel mixture.
	Fuel mixed with water.	Please drain fuel tank and carburetor, refill with fresh fuel.
Engine runs but the power is low.	Air filter is dirty.	Clean out filter.
	Piston, piston ring and cylinder were badly abraded.	Engine needs to be overhauled.
	The cylinder exhaust port and muffler were clogged by excess carbon.	
d. Engine doesn't crank when running.	Fuel used up.	Refill fuel.
	Plug wire broke off.	Replace with a new plug wire.
	Spark plug covered by excess carbon or spark gap incorrect.	Clean or regap spark plug.
	Fuel filter was clogged by dirt.	Clean / replace fuel filter
	Fuel mixed with water.	Please drain fuel tank and carburetor, refill with fresh fuel.
	Fuel vent is clogged.	



## 2 YEAR GUARANTEE

Casals guarantees that this product has been thoroughly inspected and tested before being dispatched and is free from mechanical and electrical defects and complies with the applicable safety standards. However, should defects due to faulty material or workmanship develop, under normal domestic use, within 6 months from the date of purchase please return the product to the store from where it was purchased for a full refund or replacement.

### The following conditions apply:

1. Please ensure you retain your receipt as this must be presented when making a claim under the terms of the guarantee. It is impossible to determine the guarantee period without proof of purchase, so please keep this in a safe place.
2. If a refund or exchange is required the product must be complete with all accessories, parts and packaging.
3. Missing parts will render the guarantee void.
4. Upon receipt of your appliance check it for any transport damage to ensure it is safe for use. Return it to the store as soon as possible for exchange if damaged. The guarantee is void if products are damaged after use, so please do not use the damaged product.
5. Your product is designed for normal domestic household use. Failure to read and comply with the instructions for use, cleaning and maintenance will render your guarantee void, so please read these instructions carefully to ensure your safety, and get the most effective use from the product.
6. **Any abuse, negligent, improper use will render the guarantee void and Creative Housewares (Pty) Ltd will not be liable for any loss or damage.**
7. This Guarantee will not apply if this tool is damaged by accident or from normal wear and tear.
8. Any attempted repair, or replacement of unauthorised parts will render the guarantee void, so please contact an authorised service centre or agent for any service or repair requirements.
9. **Accessories such as bits, blades, sanding disc, cutting lines, etc are excluded from this guarantee.**
10. **Normal consumables parts, such as carbon brushes, bearings, chucks, cord assembly's, spark plugs, recoil pulleys and bump head assembly's are specifically excluded from this guarantee.**

### Extended 24 Month Limited Guarantee

- Casals takes pride in their product quality and therefore offer an extended 24 month limited guarantee from the original date of purchase to offer the consumer peace of mind on their purchase.
- Should defects due to faulty material or workmanship develop, under normal domestic use, within 24 months from the original date of purchase, please return the product to the store from where it was purchased for repair free of charge.
- Casals will however replace a product, if the cost of the repair is not commercially viable or if their ability to conduct repair effectively cannot be guaranteed.
- **NB:** The guarantee on replaced products will be from the original date of purchase.
- All repairs carry a 3 month guarantee even if this falls outside of the 2 year guarantee period. Casals will attempt to conduct repairs within reasonable industry standards but cannot be held responsible or liable for any circumstances not under their control.

### Before returning your product, check for the following:

1. Your household mains supply socket is working and switched on.
2. The mains supply circuit is not overloaded (White trip switch on your DB board is off).
3. You have read the trouble shooting guide in your Instructions for Use.
4. All accessories and parts are present.

If service or repair becomes necessary outside the guarantee period, this service is still available however all transport/postage, spares and labour costs will be paid by the consumer. All chargeable repairs will require the consumers' approval in writing once the quote is accepted. Once the go-ahead has been received Casals will undertake to conduct the repair within a reasonable time and maintain the condition of the product as received.

For any assistance, service, queries and complaints please contact our Customer Care on 086 111 5006 or e-mail [help@creativehousewares.co.za](mailto:help@creativehousewares.co.za).

# Be on the look-out for these Casals products at your local outlet:



CD4800RE



CS1200RE



IDR500REA



ID710REA



RHD1050



MFS180



BS76-710



OS150



PL82-650



HAF2000A



AG115-500



AG115-710



AG230-710



SP1200



JS55A



DBS900



MFS400



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