SPECTRUM

Products

Wheeled Trimmer & Brushcutter

TU33WT / TU52WT

Owner's Manual

Dear Customer,

Thank you for purchasing a Spectrum Wheeled Trimmer & Brushcutter.

This machine is designed to be robust, safe, and reliable, offering low vibration along with powerful and efficient performance. It is ideal for clearing overgrown grassland, lawn maintenance, and general weed trimming—making it a versatile tool for domestic and light professional use.

This manual provides detailed instructions on how to operate your wheeled brush cutter correctly. Before using the machine, please read this manual carefully to familiarise yourself with its features, operation, maintenance, and troubleshooting procedures. Proper understanding will help ensure safe use and optimal performance.

We are committed to providing not only high-quality equipment but also excellent after-sales service. As part of our continuous improvement process, product specifications and manual contents may be updated without prior notice. If you have any questions, please contact your local dealer.

Please pay attention to the following signs when reading the instructions:

Safety Precautions and Warning Signs

This manual must be read carefully and strictly observed to prevent personal accidents.

Warning

Indicates strict compliance with this precaution to prevent serious injury or death.

Important

Indicates strict compliance with this precaution to prevent machine malfunction or damage.

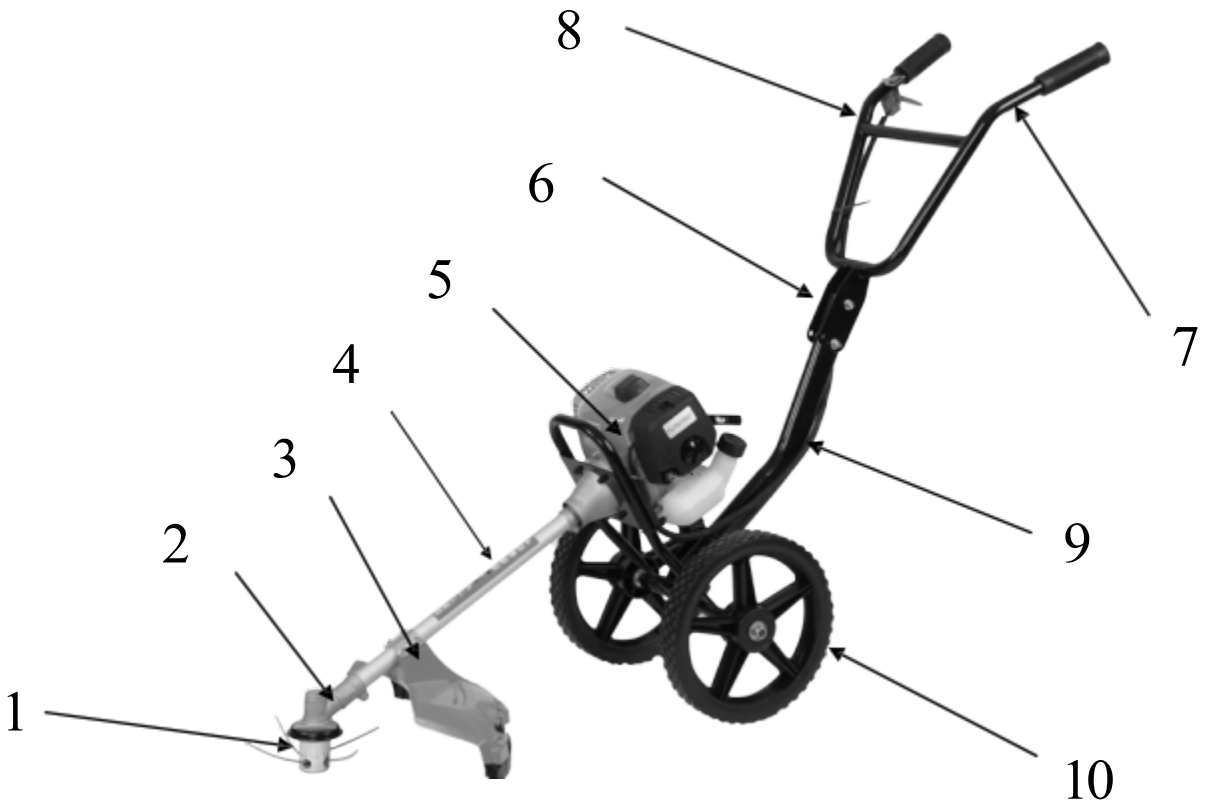
Note

Indicates the necessary supplementary instructions for the use of the machine.

Contents

1. Product structure 1
2. Specification 2
3. Warning label on the machine 3
4. Sign on the machine 4
5. Safe use 4
6. Assembly instructions 7
7. Operating instructions 9
8. Maintenance 11
9. Long-term storage 12
10. Troubleshooting 12

1. Product structure



1. Cutting Head 2. Gearbox 3. Safety Guard 4. Shaft 5 . Engine 6. Locking bolt
7. Upper Handles 8. Throttle Control 9. Frame 10. Wheels

2. Specification

Model	TU33WT	TU52WT
Displacement	32.6cc	51.6cc
Rated Power	0.9kw	1.5kw
Max Engine Speed	10000rpm	10000rpm
Fuel Tank Capacity	800ml	900ml
Net Weight	10.6kg	11kg
Gross Weight	13.6kg	14kg
Dimensions	83x43.5x54cm	

3. Warning label on the machine

1. Read the instruction manual, please read the operating procedures, safety rules, and standards and regulations in this manual.
2. Wear protective caps, dust glasses and earplugs
3. Wear protective gloves
4. Wearing non-slip shoes
5. Warnings Note that this symbol is in the manual for safety warnings.
6. Keep a safe distance from the machine.
7. Pay attention to prevent burns
8. Attention to fire
9. Take care to prevent toxic gases

If the warning label is removed, dirty or is difficult to identify, please contact your local dealer to order a new label and attach it to the desired location.

Never alter the machine!

If you modify or fail to follow the rules of use in the manual, you will invalidate your warranty !!

4. Symbols on the machine

For ease of operation and maintenance, the machine is marked with various symbols. Please observe and follow them at all times

Indicates the fuel tank position:

Fuel tank cap

Closing the choke position: Air filter cover

Open the choke position: Air filter cover

5. Safe use

1. Please read this instruction manual carefully before use to understand how to use the product.

2. Please keep this manual in a safe place and check the relevant content when you encounter problems. If you have further questions, please contact your local dealer.
3. This instruction manual must be included when renting or transferring this product.
4. Do not allow children to use this machine.

Clothing and equipment when in use

1. When using this product, be careful to wear clothing and protective equipment suitable for outdoor work.

(1) Protective hat

(2) Ear defenders

(3) Goggles or face shield

(4) Sturdy gloves

(5) Non-slip shoes

2. Additional items required
    1) Tools
    2) Fresh fuel (2 Stroke Mix)
    3) Blade

3. Do not wear loose clothing, jewelry, shorts, wear sandals or work barefoot.

Working environment

1. Do not start or operate the machine in a closed or unventilated area. Exhaust gases contain deadly carbon monoxide.

2. Do not use the machine under the following conditions
   a. Sloping / Slippery ground
   b. Low lighting or foggy weather.
   c. Rain, snow, windy or other dangerous weather conditions.

Work Plan

1. Do not operate the machine under the influence of drugs or alcohol, when fatigued, or while taking medication that may impair your judgment.
2. Plan your work to include adequate rest periods. Continuous operation should not exceed 30–40 minutes, followed by a 10–20 minute break. It is recommended not to operate the machine for more than two hours per day.

Warning

1. Failure to follow the recommended operating times and procedures may result in repetitive strain injuries. If you experience redness or any physical discomfort, consult a doctor promptly to prevent the condition from worsening.

Note

Precautions before use

1. Maintain a safety zone of at least 15 meters around the operator. Keep all bystanders out of this area. Use warning signs or barriers if required. When multiple operators are working, ensure a safe distance is maintained at all times.
2. Carefully inspect the work area and remove all obstacles such as branches, stones, glass or other obstructions.

important

Clear all obstacles before use

3. Inspect the machine thoroughly before use. Ensure the fuel tank is in good condition with no leaks, and that the cutting components are correctly fitted and secure.
4. Make sure the safety guard is fitted correctly.
5. Adjust the handles before using the machine to ensure comfort during operation.

Starting the machine

1. Bystanders or animals must be at least 15 meters away from the operating area. If you enter the operating area, turn off the machine immediately.

2. The machine is equipped with a centrifugal clutch, so the engine begins to rotate as soon as the engine is started. When starting, place the machine on a flat surface and hold the machine firmly to ensure that the trimmer head is not in contact with anything.

warning

Do not place the throttle in the high speed position when starting.

3. After the engine is started, when in the idle state, the trimmer head should not rotate. If the trimmer line / blade is still rotating at idle speed, immediately turn off the machine and take it to your local dealer for adjustment / repair.

Precautions in use

Important

Please follow the instructions in the instructions carefully and do not use them for other purposes.

1. Adjust the handles according to your own comfort requirements and use the two hand to grip the machine.
2. Keep the engine at an appropriate operating speed and prohibit the speed from being too high.
3. If the machine shakes abnormally, immediately turn off the machine and perform a full inspection. The machine should only be used after troubleshooting.
4. During the operation, do not touch the engine as it might cause burns.

5. Do not touch the exhaust, spark plugs, or other metal parts while the machine is running or just stopped, as this may result in burns or electric shock.
6. Before each use, please check if the engine oil level meets the requirements.

During the operation, Keep people away

1. Always be careful to prevent accidents. Children and pets are prohibited from entering the operating area.
2. If injury occurs during operation, you should immediately turn off the machine.

Maintenance

1. In order to ensure the good performance of the product, please maintain the machine regularly according to the requirements of this manual.
2. Always switch off the machine before performing any maintenance and repairs.

Warning

When the machine is stopped, the metal parts of the machine may be extremely hot

3. When replacing any parts or the cutting components be sure to use the product specified by our company.
4. If you need to replace parts or perform any maintenance that is not mentioned in the manual, please contact your local dealer.
5. Please be sure to use the accessories specified by our company.
6. Please do not make any changes to the machine, otherwise it might cause malfunction or even damage the machine and invalidate your warranty.

Fuel precautions

1. This machine uses a petrol and 2 stroke oil mix which is flammable. Please do not refuel or store fuel in places where there is a possibility of fire, such as boilers, stoves, bonfires, electric sparks or other flammable items.

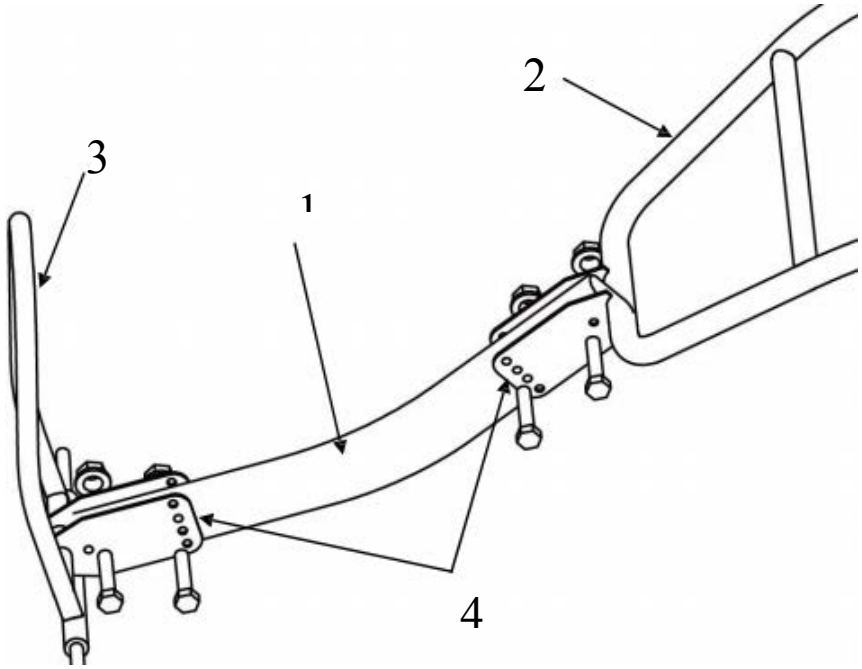
2. Smoking is prohibited during operation or refueling.
3. When refueling, be sure to stop the machine. After cooling, make sure there is no fireworks around and refuel.
4. If there is fuel spill when refueling, be sure to wipe it clean.
5. After refueling, tighten the fuel tank cap and start the machine at least 3 meters away from where you refuelled.

Transport

1. When transporting this product, cover the part of the cutting part and carry it (pay attention to the blade to prevent danger).
2. Please do not transport this product with fuel in the fuel tank, otherwise a leakage may occur.

6. Assembly instructions

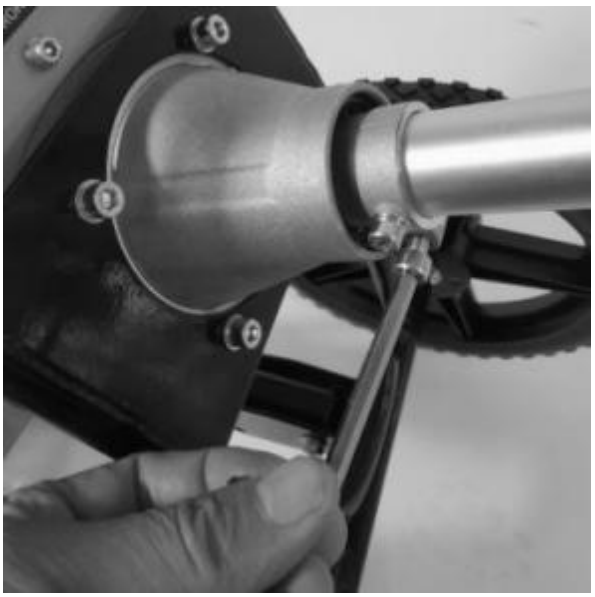
1, Assembling the handle frame



a）Align part 1 (frame) with the holes on the base of part 2 (handle bracket) and part (3), and tighten them with M5 * 45 bolts。

b） Users can adjust the height and angle of the machine by selecting the position of the fix hole (No. 4)

2, Fitting the drive shaft



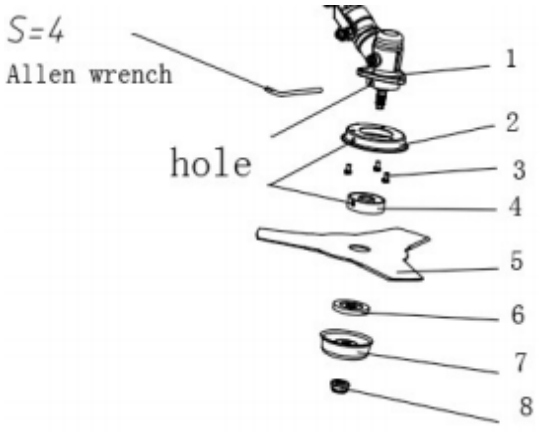
a）After assembly, tighten the positioning hole screws and clamping screws separately

3,Install the blade guard and blade

Mounting blade

a) When installing the cutter blade, make sure there are no cracks and any damage on the blade. And the direction of the blade is correct.

b) Align the blade guard (2) locating hole with the positioning groove of the gearbox (1) and screw (3) it to the gearbox.



c) Align the locating hole of the spline washer (4) with the positioning hole of the gearbox (1) Insert a 4 mm Allen key into the aligned holes of the blade guard (2), spline washer, and gearbox to lock the shaft in place.
Install the blade (5), followed by the pressure plate (6), guard washer (7), and self-locking nut (8) in sequence. Using a socket wrench, tighten the self-locking nut counterclockwise (upward) until securely fastened.

warning

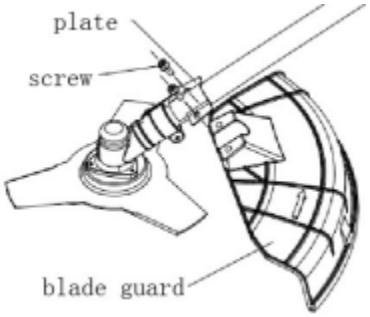
●When installing the blade. The center hole of the blade is aligned with the

●Be sure to remove the Allen key and spanner / socket after installing the blade.

●Before starting the machine, make sure that the blade is properly seated and the self-locking nut is tightened

4、Installing the blade guard

The plate of the blade guard is mounted on the aluminum tube of the drive shaft. The two holes of the blade guard and the plate on the blade guard are aligned and fastened with screws to ensure the blade guard. There should be no shaking and moving during the working of the machine.

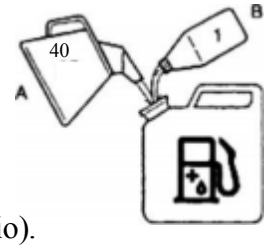


warning

The blade guard must be in place during operation as it can cause serious personal injury if not in place.

7. Operating instructions and scope of application

1, Fuel



warning

- The brush cutter is equipped with a Two-stroke engine.

Please use fresh, E5 unleaded fuel mixed with 2-stroke oil (40:1 Ratio).
Maintain good ventilation when filling or handling fuel.

- The fuel contains highly flammable ingredients that can cause serious personal injury if absorbed or splashed onto the body. Be very careful when handling fuel. Always maintain good ventilation when handling fuel in buildings.

- Adding your fuel and 2-stroke mix

①Always turn off the engine before adding your fuel mix.

②When adding fuel, slowly open the fuel tank cap to prevent overpressure.

③Tighten the fuel tank cap after the addition is complete, be sure to check for fuel leaks.

2, Start up

Note

Before starting, please make sure that the trimming accessories do not touch any objects, and the brush cutter must be kept at least 3 meters away from the fueling location.

① Set the engine switch (1) to the "I" (ON) position. Press the primer bulb repeatedly until fuel is visible in the transparent fuel line.

② Press and hold the throttle lock (2), then pull the throttle trigger (4) and press the throttle lock button (3). Release the throttle lock (2). This will secure the throttle in the starting position.

③ Set the choke handle in the closed position (close the choke).

④ Pull the starter quickly.

When you hear the engine fire but does not stay running, open the choke (Open the choke).

⑤ Then pull the starter again.

Note: If the engine does not start, repeat the steps ② to ⑥

⑥ After starting, allow the engine to run for 2 minutes to warm up prior to working.

Note: Leaving the choke in the closed position may cause the engine to flood, preventing it from starting. If flooding occurs, switch off the machine, open the choke, and gently pull the recoil starter 5–10 times to clear excess fuel. Then switch the machine back on and repeat steps 2–6.

3, Trimming operation

When trimming, the engine runs at more than 6500 rpm. Operating at low speeds for extended periods of time may cause the clutch to wear earlier.

● If the outer edge of the rotating blade contacts a hard object, a strong reactive force may occur. This force, known as blade kickback, can cause the machine and operator to be suddenly and violently pushed away. Loss of control may result in serious injury or death. Kickback is more likely to occur in areas where the cutting material is not clearly visible.

● The blade rotates counterclockwise, so operate the unit in order from right to left.

4 , Switching off

Reduce engine speed and run at idle for a few minutes, then turn off the machine.

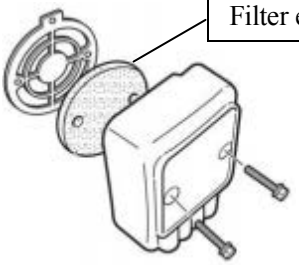
5 , Scope of application

● Mainly used for clearing brush, bracken, grass, trimming lawn and other clearing jobs

8. Maintenance

Clean the air filter

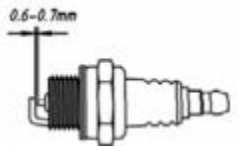
● Remove the air filter cover and filter element, use warm soapy water to clean. Check the air filter before reinstalling it.

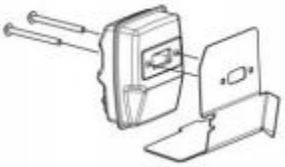


● Air filtration: The filter may not be clean. Therefore, it needs to cleaned or replaced

● Spark plug (Figure 11)

● After the engine has been running for a certain period of time, the gap of the spark plug electrode may exceed by a predetermined range of 0.6 to 0.7 mm due to heat. Use a feeler gauge to set correctly.





● Silencer

Remove the silence after every 50 hours of operation Clean the exhaust or muffler inlet.

● Gear box

After 25 hours of operation, remove the screw for the side of the gearbox and add lithium gearbox grease to keep the internal components lubricated.

Lubricate the grease to 3/4 of the gearbox. Do not overfill the gearbox.

Wheeled Trimmer & Brushcutter Blade

● Please use a sharp blade. If the blade becomes blunt, replace accordingly.

● When replacing the blade, please purchase the product with 25.4 mm mounting holes recommended by the company.

● Use the correct blade, depending on the type of work. When replacing the blade, use the appropriate tool.

● A ny blade that is bent, twisted, cracked, broken, or damaged cannot be used any more.

9. Long-term storage

When the brush cutter is not used for a long time, in order to make the next use smooth start, the following procedures should be used for maintenance.

1. Drain the fuel tank of the fuel mix in the carburretor.
2. Wipe the outer surface of the brush cutter with a soft cloth dampened with oil, and store the brush cutter in a dry and ventilated place until the next use.

10.Common fault analysis and troubleshooting

1， Cannot start or difficult to start

Issue		Reason	Resolve
Spark plug without spark	Spark Plug	1. Spark plug electrode wet	Drying treatment
		2. Spark plug carbon	Clear-carbon
		3. Spark plug insulation damage	Replace the spark plug
		4. Spark plug gap is too large or too small	Adjusted to 0.6 to 0.7
		5. Spark plug electrode burnout	Replace the spark plug
	Magnetoelectric	1. High voltage line breakage	Replace the high voltage line

		2. Ignition coil damaged or burn out	Replace the coil
		3. Poor contact between high voltage wire and retaining	Repair
Spark plug has a spark	2 Stroke Mixture	1. Excessive intake of fuel	Replace with fresh 2 stroke mix
		2. Bad fuel, water, dirty	Replace with fresh 2 stroke mix
		1. Cylinder block and piston	Replace
		2. Spark plug loose	Tighten
	Carburetor no supply	1. Fuel tank without fuel	Refuel
		2. Tubing blockage	Cleaning
		3. Fuel tank cap vent hole	Remove
		4. Air in the tubing	Remove

2, Switched off in operation

Classification	**the reason**	**Measures**
Sudden stopping	1. Piston damage	Lightly clean, smooth or polish the piston. Replace the piston ring
	2. Spark plug electrode short circuit	Thoroughly remove carbon deposits
	3. Internal fault of magneto	Unpacking inspection
Gradually turn off	1. Lack of fuel	Fill up with oil
	2. Carburretor clogging	Check the internal fuel lines
	3. Water in the fuel	Replace with fresh 2 stroke mix

3、Insufficient power

Issue	Reason	Resolve
Poor starting	1. Air filter blocked	Cleaning
	2. Inhale air from the carburetor connection	Tighten
	3. Fuel is not pure	Replace with fresh 2 stroke mix
	4. Engine overheating	Stop the machine.
	5. Muffler carbon deposit	Remove carbon deposit
	6. Cylinder exhaust carbon deposit	Remove carbon deposit
Overheated	1. Fuel concentration is too low	Adjusting the carburetor
	2. Cylinder volume carbon	Remove
	3. Poor lubrication	Check engine oil quantity
	4. Cylinder is blocked by foreign matter	Remove
The sound is not normal	1. Combustion chamber carbon deposit	remove
	2. Parts work	Check / replace

Declaration of Conformity

Product Name: Wheeled Trimmer & Brushcutter
Product Model: TU33WT / TU52WT

is herewith confirmed to fulfill all the relevant provisions of

- Machinery Directive: 2006/42/EC

and the following harmonized standard have been complied with:

- EN ISO 12100:2010
- EN ISO 11806-1:2022

is herewith confirmed to fulfill all the relevant provisions of

- Electromagnetic Compatibility Directive: 2014/30/EU

Responsible for marking this declaration is the:

Manufacture's Name: Compass and Spectre Ltd

Address: 60 Sunderland Road. SANDY. Beds. SG191QY. UK

Person responsible for compiling the technical files established within the EU

Name: Andrew Gunn

Address: 60 Sunderland Road. SANDY. Beds. SG191QY. UK

Person responsible for making this declaration:

Name: Andrew Gunn

Position/Title: Managing Director

Date: 01/04/2026

My Spectrum Product Details

MODEL NUMBER	
SERIAL NUMBER	
DATE OF PURCHASE	

Compass and Spectre Ltd

60 Sunderland Road
Sandy
Bedfordshire
SG19 1QY
01767 235098
sales@compassgm.co.uk

www.compassgm.co.uk

Company No: 10621602
CERTIFIDATE OF CONFORMITY COC