

OWNER'S MANUAL

Assembly & Operating Instructions



CULTIVATOR TILLER 43CC

BBT-TILL-2ST



Thank you for choosing our equipment. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual before operating the equipment. It instructs you on how to set up, operate, and maintain your equipment safely and easily. Ensure that you and any other persons operating the equipment carefully follow the recommended safety practices at all times, as failure to do so could result in personal injury or property damage.

All information in this manual is relevant to the most recent product information available at the time of printing. Review this manual frequently to familiarise yourself with the equipment, its features, and operation. Please note that this Owner's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs, and equipment without notice and without incurring obligation.

All the power testing information used to establish the power rating of the engine equipped on this equipment can be found in the engine manufacturer's manual or website. If you encounter any problems or have questions about the equipment, please contact our Customer Support Department.

Throughout this manual, all references to the right and left side of the equipment are observed from the operating position. The engine manufacturer is responsible for all engine-related issues concerning performance, power-rating, specifications, warranty, and service. Refer to the engine manufacturer's Owner's Manual, packed separately with your equipment, for more information.

Customer Support

Before initiating a product return, kindly reach out to our dedicated Customer Support Department at Bigger Boyz Toyz. We are here to assist you.

Phone: 02 4257 4787

Email: bbt@bbta.com.au

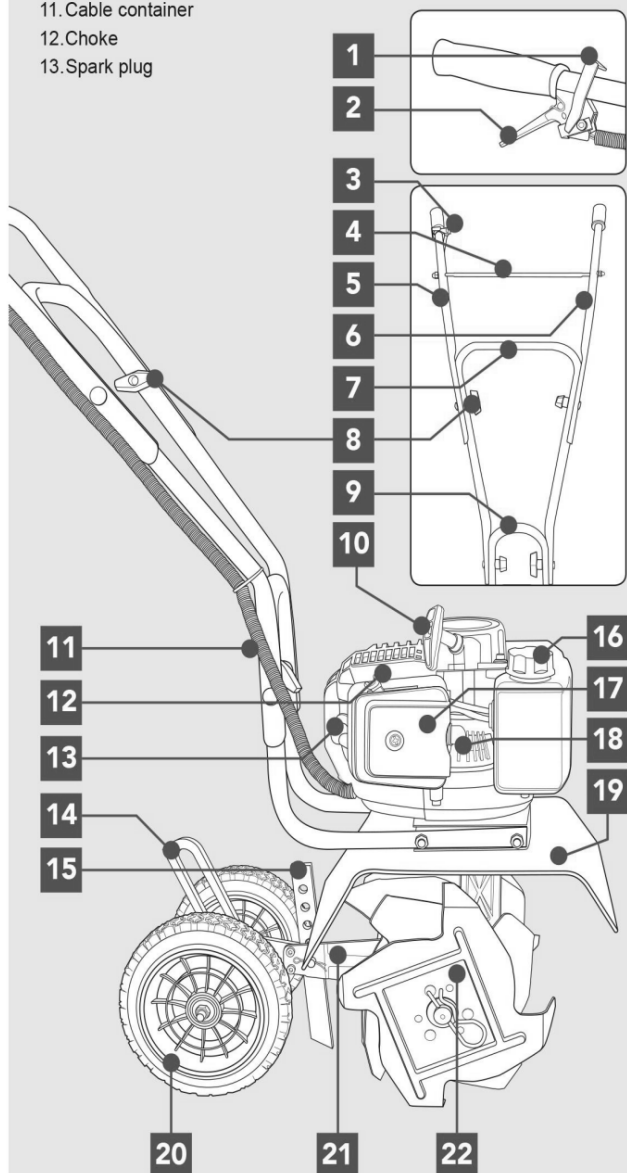
Warehouse: Unit 2/3 Delta Place, Albion Park Rail NSW 2527

If you have difficulty assembling the product or have any questions about the controls, operations, or maintenance of the equipment, please don't hesitate to get in touch with our Customer Support Department.

KNOW YOUR PRODUCT

PETROL TILLER

- | | |
|-----------------------|----------------------|
| 1. Throttle lock-off | 14. Connection plate |
| 2. Throttle lever | 15. Drag stake |
| 3. On/Off switch | 16. Fuel tank |
| 4. Cross bar | 17. Air filter |
| 5. Right handle | 18. Primer bulb |
| 6. Left handle | 19. Blade guard |
| 7. Mid handle frame | 20. Wheel |
| 8. Handle lock knobs | 21. Bar shaft sleeve |
| 9. Lower handle frame | 22. Blade |
| 10. Recoil starter | |
| 11. Cable container | |
| 12. Choke | |
| 13. Spark plug | |

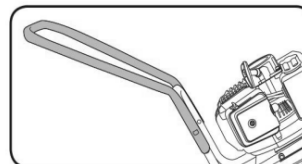


ASSEMBLY

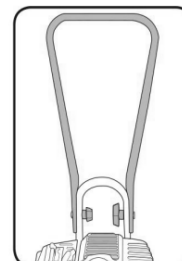
1. ASSEMBLING THE HANDLES

The handles and mid handle frame need to be secured in place before the unit can be used.

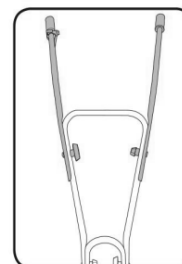
1. Place the mid-handle frame onto the lower handle frame so that it bends in the direction of the user.



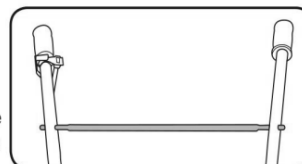
2. Ensure that the holes in the bars of both handle frames are in alignment. Using two of the handle lock knob and bolt sets, fix both handle frames together. The knobs should be positioned on the inside of the frame. Tighten them securely.



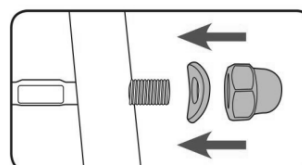
3. Attach the left and right handles to the mid handle frame with the remaining two handle lock knobs.



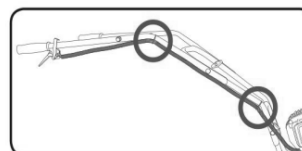
4. The cross bar acts as an additional support to the handle frame assembly. Insert each threaded end of the crossbar through the matching holes in the right and left handles. If fitting the cross bar is too difficult, loosen one of the upper handle lock knobs slightly.



5. Cap the threaded ends of the cross bar with the spring washers and nuts supplied. Ensure all handle lock knobs are tightened securely.



6. Use the cable clips (supplied) to fasten the cable container to the mid-handle frame and the right handle.



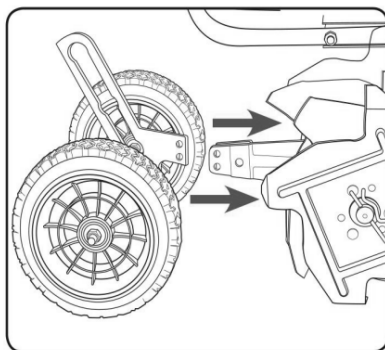
1

YEAR REPLACEMENT WARRANTY

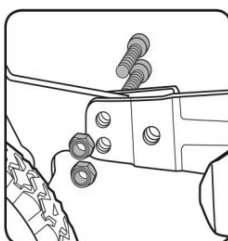
SETUP & PREPARATION

2. ATTACHING THE WHEEL ASSEMBLY

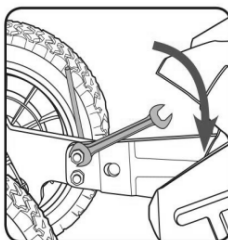
1. Insert the front section of the connection plate into the rear opening of the bar shaft sleeve. Ensure that the holes in both sections are aligned.



2. Insert the hex bolts through both holes and begin screwing in the nuts.



3. Using the 5mm hex key (supplied), keep the hex bolt in place while tightening the nut with the 10mm spanner (supplied).



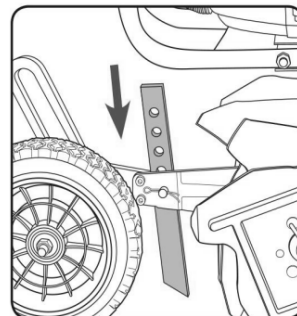
3. ADJUSTING THE TILLING DEPTH

The drag bar is used to regulate the depth of the turning tiller tines. It also serves as a brake, slowing the tiller's forward motion, enabling the blades to penetrate the soil.

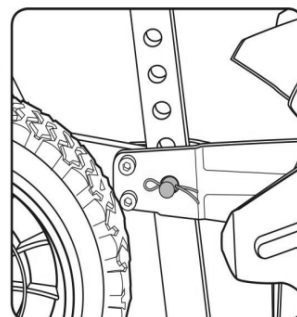


MAKE SURE THE ENGINE IS OFF AND THE SPARK PLUG DISENGAGED BEFORE INSTALLING THE DRAG BAR.

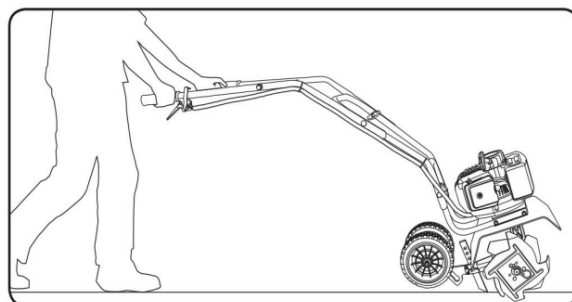
1. Slot the drag bar into the bar shaft sheath. The drag bar's pointed edge should face towards the tiller blades.



2. The drag bar has five holes that allow it to be set at five different heights. When you have selected the appropriate height, fix the drag bar in place with the split pin and lock pin (supplied).

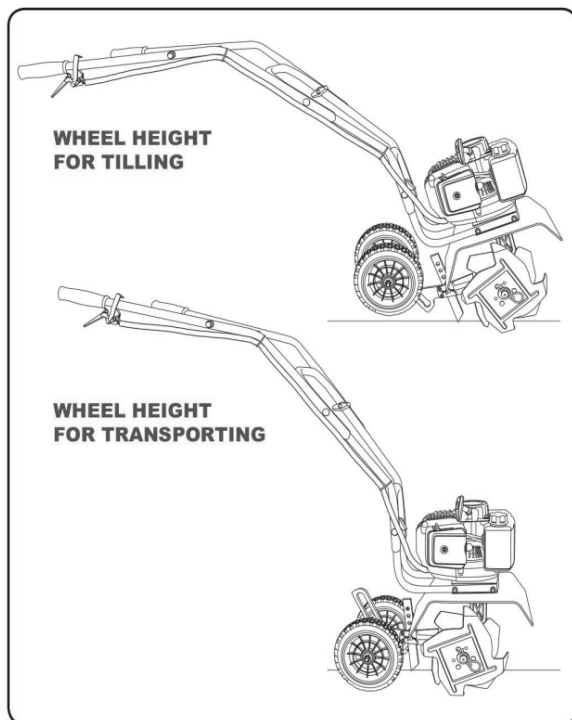


3. The ideal height of the drag bar will depend on the type of soil being tilled and soil conditions at the time of tilling. It can be set lower for deeper tilling and higher for shallower tilling.
In general, however, the drag bar should be adjusted so that the tiller is tilted slightly backwards. The handles should come to a comfortable position around waist height for normal tilling.



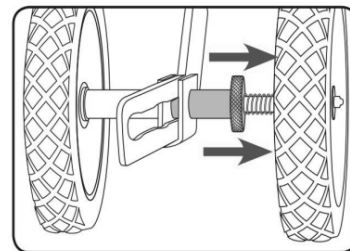
4. ADJUSTING THE WHEEL HEIGHT

1. The transport wheels can be adjusted into one of three grooves in the connection plate. When tilling, adjust the wheels so that they are set within the top groove.

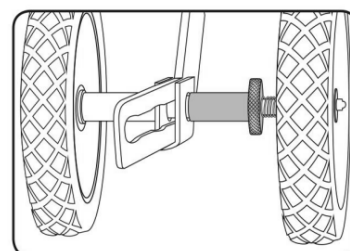


2. When not tilling, the transport wheels are used to move the machine around. They can be set within either the middle groove, or the lower groove. The setting will depend on the height of the user and whatever feels the most comfortable.

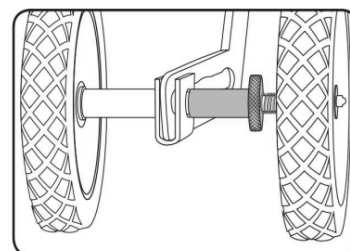
3. Adjusting the wheel height is achieved by gripping the axle collar, forcing it against the spring and away from the connection plate.



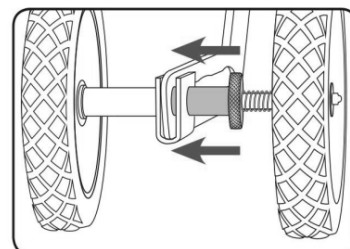
4. When the axle collar is disengaged from the groove in the connection plate, the wheel assembly is free to move. (This may be hard at first).



5. Shift the wheel assembly to the appropriate groove, depending on whether you are transporting or operating the tiller.



6. Release the axle collar so that it engages in the newly selected groove.



5. FUEL

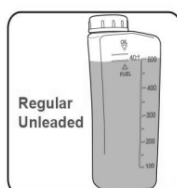
⚠ PETROL IS VERY FLAMMABLE. AVOID SMOKING OR CAUSING ANY SPARKS OR FLAMES NEAR FUEL. MAKE SURE THAT YOU STOP THE MOTOR AND ALLOW IT TO COOL BEFORE REFUELLING THE PETROL TILLER. SELECT AN OPEN OUTDOOR AREA FOR FUELLING AND MOVE AT LEAST 3M AWAY FROM THE FUELLING POINT BEFORE STARTING THE MOTOR.

Motor fuel: mix at 40:1 only

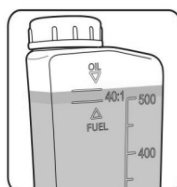
Note. Only use oil that is expressly labelled for use with air-cooled 2-stroke engines.

Note. Always transport and store fuels in an approved container (supplied bottle is for mixing only).

1. Fill with unleaded petrol (91 octane) up to fuel line.



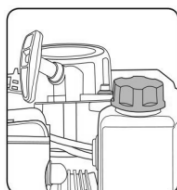
2. Add 2-stroke oil up to oil line. Shake vigorously for a thorough mix.



3. Fill the fuel tank to about 80% of its capacity with the fuel mix. Fuel tank capacity: 1000ml



4. Fasten the fuel tank cap and clean any spillage.



⚠ NEVER ATTEMPT TO FUEL THE TILLER IF THE FUEL SYSTEM COMPONENTS ARE DAMAGED OR ARE LEAKING.

⚠ ALLOW THE ENGINE TO COOL BEFORE FUELLING. NEVER ATTEMPT THE REFUEL THE ENGINE WHILE IT IS WARM OR STILL RUNNING.

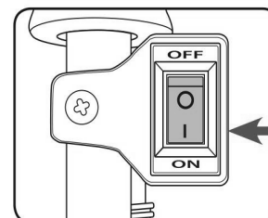
⚠ NEVER PLACE FLAMMABLE MATERIAL CLOSE TO THE ENGINE MUFFLER.

6. STARTING & STOPPING

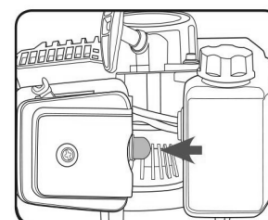
Starting

Note: Do not squeeze the throttle before starting.

1. Press the ignition switch on the handle to the ON (I) position.

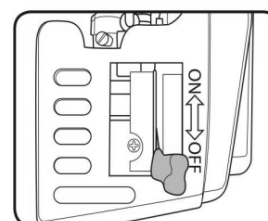


2. Press the primer bulb until full of fuel.



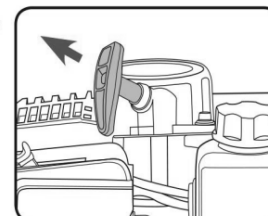
3. Push the choke lever to the start (OFF) position.

Note. Pressing the primer bulb and setting the choke to the start (OFF) position is unnecessary if the engine is warm.

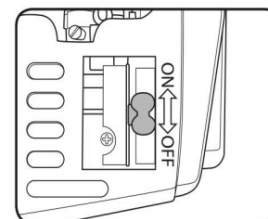


Start position

4. Pull the recoil starter until the engine starts.

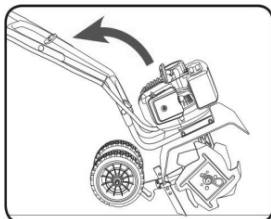


5. Push the choke lever half way and allow the motor to warm up (restart if the motor stops). After a few seconds move the choke lever to the run (ON) position.

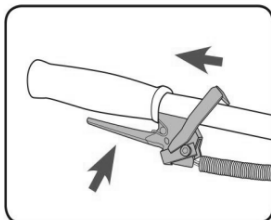


6. STARTING & STOPPING cont.

6. Tilt the tiller backwards, so that the blades are clear of the ground.

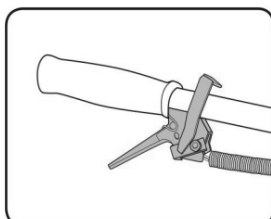


7. With your thumb, pull back the throttle lock-off and then squeeze the throttle lever. Allow the engine to run for 60 seconds so that it warms up.

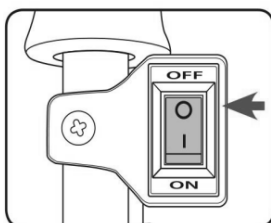


Stopping

1. When you wish to stop the engine, release the throttle so that the engine is idling and the blades stop spinning.



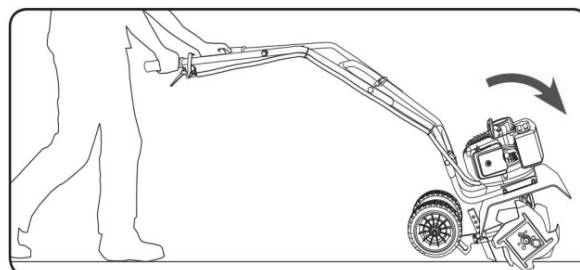
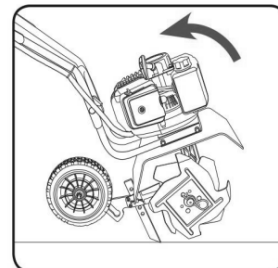
2. Press the ignition switch to the OFF (O) position, as indicated on the switch.



⚠ THE TILLER RUNS FOR A FEW SECONDS AFTER IT HAS BEEN SWITCHED OFF. LET THE MOTOR COME TO A COMPLETE STANDSTILL BEFORE SETTING THE TOOL DOWN.

7. OPERATING THE TILLER

1. Start the engine, tilt the unit back on the depth stake until the blades are off the ground. Disengage the throttle lock-off and squeeze the throttle lever.
2. Firmly grip the handles and slowly tilt the unit forward to begin the tilling action.

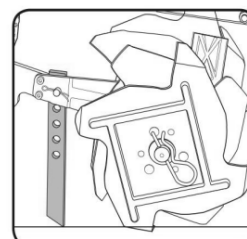


3. As the blades begin to make contact with the ground, hold the tiller in position until the blades dig into the soil.

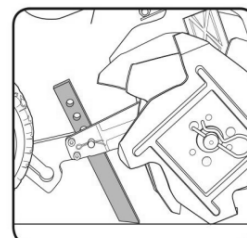
Handling Tips

- By manipulating the handle bars, the user can control the depth and speed of the tiller. Pushing down on the handlebars will allow drag bar to penetrate the soil and slow the forward motion of the tiller.
- Easing up on the handlebars and moving the handlebars from side-to-side will release blades that are dug in too deeply.
- When turning, push down on the handlebars to bring the tiller's weight to the rear; this will make turning easier.

4. After an initial trial of the tiller, you may find that you need to readjust the depth stake. If you find that you have any of the following issues it will be beneficial to lower the depth stake:
 - too little control over the tillers forward motion
 - the tiller moves forward too quickly
 - the tilling depth is too shallow



5. If you find that you have any of the following issues it will be beneficial to increase the height of the depth stake:
 - the blades dig in, but the tiller does not move forward
 - the tilling depth is too deep



⚠ KEEP HANDS, FEET AND CLOTHING AWAY FROM THE ROTATING BLADES. THEY CAN CAUSE INJURY.

WEAR PROTECTIVE FOOTWEAR WITH NON-SLIP SOLES, GLOVES, LONG SLEEVED SHIRT AND LONG PANTS MADE OF HEAVY MATERIAL. DO NOT WEAR LOOSE FITTING CLOTHES OR ITEMS WITH STRINGS OR STRAPS THAT COULD BECOME ENTWINED IN THE ROTATING TINES.

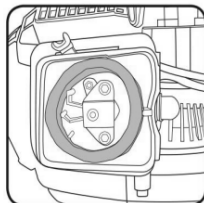
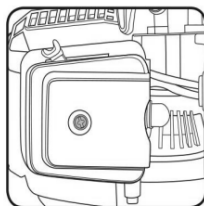
MAINTENANCE

8. GENERAL MAINTENANCE

- Keep the ventilation vents of the tool clean at all times, if possible, prevent foreign matter from entering the vents.
- After each use, blow air through the motor housing to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the unit to overheat and fail.
- If the enclosure of the tool requires cleaning do not use solvents but a moist soft cloth or soft brush only. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Air filter

1. Use a screwdriver to remove the air filter cover screw and then remove the air filter cover.
2. Remove the air filter, brush off any dry particles, or dislodge them by tapping the air filter on a hard surface.
3. Replace the air filter, air filter cover and air filter cover screw.

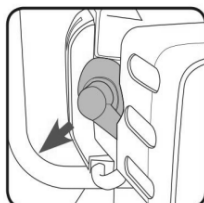


Replacing the spark plug

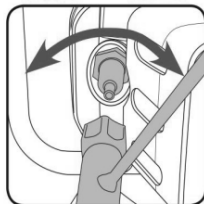
When the petrol tiller will not start and everything has been checked, it is possible that the spark plug will need replacing. The spark plug is not covered under warranty.

To replace the spark plug:

1. Pull the spark plug lead off the end of the spark plug.
2. Loosen (anti-clockwise) the spark plug using the larger socket side of the socket wrench provided.
3. Remove the spark plug and replace with a new one, as specified.
4. Secure the spark plug in position by tightening (clockwise) the spark plug using the socket wrench provided.
5. Fix the spark plug lead back to the end of the spark plug ensuring it clicks into place.



LOOSEN TIGHTEN



BEFORE CLEANING YOUR PETROL TILLER OR CARRYING OUT ANY MAINTENANCE PROCEDURE, MAKE SURE THAT THE ENGINE IS OFF AND IS COOL. DISCONNECT THE SPARK PLUG TO PREVENT ACCIDENTAL STARTING.

DESCRIPTION OF SYMBOLS

/min	Revolutions or reciprocation per minute	No	No load speed
	Use at a distance of at least 15m from other people.		Regulator compliance mark
	Diameter		Warning
	Read instructions		WARNING. Rotating blades.
	Wear safety glasses		Wear muffs
	Thrown objects can cause severe injury.		Flammable material.
	Contact with rotating tines will cause serious injury. Keep hands, feet, and clothing away while engine is running.		Extremely hot surface.
	Wear protective footwear		Wear protective clothing
	Do not expose fuel to open flame		Wear gloves

SPARE PARTS

Outside Blade	SPPTL4300-22
Inside Blade	SPPTL4300-23
Cable Clip	SPPTL4300-55
Pull Start Assy.	SPPTL4300-M35
Knob & Bolt (36,37)	SPPTL4300-37

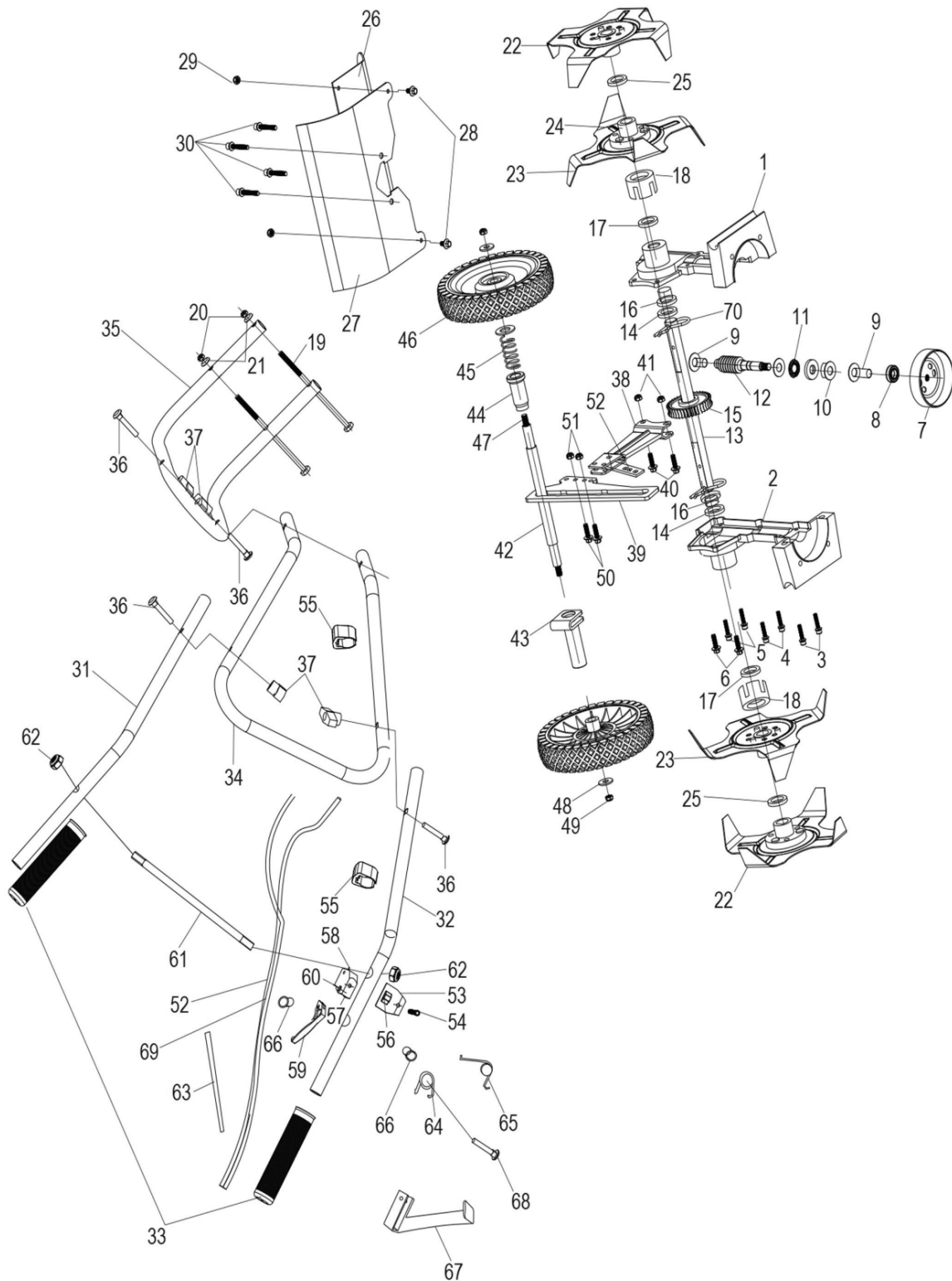
CARING FOR THE ENVIRONMENT



Tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.



Petrol Tiller Rotavator

Instructions for Use

Please read and retain these instructions for future reference

NO.	Spec.	Qty
1	Left gearbox	1
2	Right gearbox	1
3	Screw	2
4	Screw	2
5	Screw	2
6	Screw	2
7	Clutch housing	1
8	Worm assembly	1
9		1
10		1
11		1
12		1
13	Cutter shaft	1
14	Spacer sleeve 1	2
15	Worm gear	1
16	Spacer sleeve 2	2
17	Antifriction pad	2
18	Oil seal shell	2
19	Gearbox housing bolt	2
20	Nut M8	2
21	Washer ø8	2
22	Blade AD	2
23	Blade BC	2
25	Antifriction pad	2
26	Fender 2	1
27	Fender 1	1
28	Screw	2
29	Nut	2
30	Screw	4
31	Left hand handle	1
32	Right hand handle	1
33	Handlebar cover	2
34	Rear bracket	1
35	Front bracket	1

36	Carriage screw	4
37	Lock nut	4
38	Connecting plate one	1
39	Spacing board	1
40	Screw	2
41	Nut	2
42	Wheel bolt	1
43	Axle sleeve two	1
44	Pin shaft	1
45	Spring	1
46	Wheel	2
47	Wheel bolt	1
48	Washer	2
49	Nut M8	2
50	Screw	2
51	Nut M8	2
52	Support plate	1
53	Flameout fixing plate	1
54	Flameout button	1
55	Line card	2
56	Throttle fixing plate	1
57	Nut	1
58	Screw	1
59	Throttle trigger	1
60	Accelerator holder	1
61	Support shaft	1
62	Nut	2
63	Tie	1
64	Trigger torsion spring	1
65	Torsion spring	1
67	Fixed plate	1
68	Carriage screw	1
69	Flameout line	1
70	Cotter pin	1

WARRANTY

This product comes with a 2-year parts warranty for all items used for domestic purposes from the date of purchase. For products used for commercial purposes, the warranty period is 3 months.

Warranty coverage does not include damage caused by normal wear and tear, accidents, misuse, lack of maintenance, neglect, natural disasters, or other external causes. Additionally, damage caused by operating the equipment in a manner outside the described instructions will not be covered. The warranty is considered void if the item has been modified, altered, or tampered with by a person, excluding standard periodic maintenance.

The warranty does not cover consumables such as tyres, blades, belts, brakes, chains, clutches, bearings, and pull starts.

Misuse or Abuse: We do not offer a warranty on items damaged due to misuse, abuse, or infrequent servicing. No refund or exchange will be provided in such instances. Please check each item description for further warranty details, as some specific components of power equipment are not covered. Warranties do not cover consumables such as blades, bars, chains, recoil starters, or issues arising from lack of oil in engines or improper oil-fuel mixtures where required.

Australian Consumer Law: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if they fail to be of acceptable quality and the failure does not amount to a major failure.

Customer Support

For further assistance, kindly reach out to our dedicated Customer Support Department at Bigger Boyz Toyz. We are here to assist you.

Phone: 02 4257 4787

Email: bbt@bbta.com.au

Warehouse: Unit 2/3 Delta Place, Albion Park Rail NSW 2527



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