

Please read and retain these instructions for future reference



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IMPORTANT SAFETY INSTRUCTIONS

Before Operating This Equipment:

- A. READ ALL INSTRUCTIONS CAREFULLY. FAMILIARISE YOURSELF WITH ALL THE CONTROLS AND PROPER USE OF THE UNIT. DO NOT OPERATE THIS MACHINE WHEN TIRED, ILL, OR UNDER THE INFLUENCE OF ALCOHOL, DRUGS, OR MEDICATION. CHECK ALL GUARDS AND SAFETY ATTACHMENTS ARE INSTALLED PROPERLY. CHECK FOR ANY DAMAGE, FUEL LEAKS, AND THAT ALL SECURING DEVICES ARE IN PLACE AND TIGHT.
- B. CAREFULLY INSPECT THE AREA TO BE TILLED, REMOVE ALL DEBRIS AND REMOVE HARD OR SHARP OBJECTS SUCH AS GLASS, WIRE, AND LARGE STONES.
- C. BE AWARE OF THE RISK OF INJURY TO YOURSELF AND POSSIBLE BYSTANDERS. ANY BYSTANDERS SHOULD PREFERABLY BE 15 METRES AWAY AS STONES OR OTHER OBJECTS MAY BE THROWN UP AND COULD CAUSE INJURY.
- D. MAKE SURE YOU WEAR PROTECTIVE CLOTHING SUCH AS STEEL-CAPPED SHOES, GOGGLES, GLOVES AND EAR PROTECTORS.
- E. LOOSE-FITTING CLOTHES AND SCARVES ARE NOT RECOMMENDED.
- F. CHECK THAT THE LIGHTING CONDITIONS ARE SUITABLE.
- G. IF WORKING IN A BUILT-UP AREA, WARN YOUR NEIGHBOURS IN ADVANCE. SUNDAY LAWS MAY RESTRICT USAGE IN CERTAIN AREAS.
- H. CHECK THAT YOU HAVE FILLED THE FUEL TANK WITH THE CORRECT PETROL/OIL MIXTURE. NEVER ATTEMPT TO RUN THIS ENGINE USING ANYTHING OTHER THAN UNLEADED PETROL.
- I. DAMAGE CAUSED THROUGH FAILURE TO FOLLOW THIS WARNING WILL INVALIDATE YOUR GUARANTEE AND COULD CAUSE SERIOUS INJURY!

Safety Warnings When Operating This Equipment:






- A. NEVER RUN THE ENGINE INDOORS. ENGINE FUMES ARE TOXIC!
- B. WHEN THE ENGINE IS IDLING, THE TINES SHOULD BE STATIONARY. ADJUST ENGINE TICK-OVER IF NECESSARY.
- C. DO NOT OVER-REACH AND ENSURE YOU HAVE A GOOD FIRM FOOTING AT ALL TIMES. TAKE EXTRA CARE IF WORKING ON AN INCLINE.
- D. DO NOT ATTEMPT TO REMOVE ANY OBSTRUCTION THAT MAY GET CAUGHT UP IN THE TINES WITHOUT FIRST COMPLETELY STOPPING THE ENGINE.
- E. WHEN RE-FUELLING, WAIT FOR ENGINE TO COOL DOWN FIRST AS FUMES OR SPILLAGE MAY IGNITE ON HOT SURFACES.
- F. IF YOU SHOULD SPILL PETROL, MAKE SURE YOU CLEAN UP FIRST BEFORE CONTINUING.
- G. NEVER WALK AWAY AND LEAVE THE EQUIPMENT RUNNING.
- H. STOP ENGINE AND ALLOW COOLING BEFORE ATTEMPTING ANY SERVICING.
- I. DO NOT MODIFY EITHER THE ENGINE OR OTHER EQUIPMENT IN ANY WAY. FAILURE TO OBSERVE THIS WARNING WILL INVALIDATE YOUR GUARANTEE!
- J. DO NOT ATTEMPT TO USE THIS EQUIPMENT WHEN THE GROUND IS FROZEN!

Mini Cultivator

Instructions for Use

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PARTS IDENTIFICATION

Unit name	Quantity	Picture
Engine	1PC	
handle	1PC	
Stents	1PC	
Adjust depth skid	1PC	
Tie	3 PC	

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Handle Nut	4PC	
Screw	6PC	
TOOLS	1PC	

ASSEMBLY INSTRUCTIONS

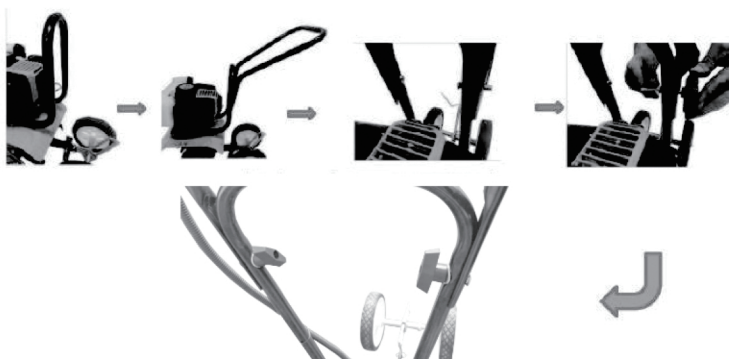
1. Open the product packaging, remove the product and accessories.
2. Adjust depth skid assembly (according to the installation diagram below)



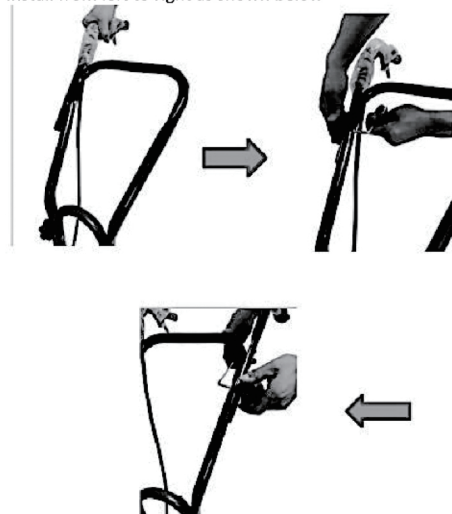
Pull out the spring and bolt

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3. Mounting Bracket (follow the diagrams below)



4. Install from left to right as shown below



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5. Secure the throttle cable in 3 places, do not overtighten.



First



Second



Third

6. Depth Adjustment

There are three grooves in the connector plate. Place the wheels in the highest groove when working. Position the wheels in the middle or bottom groove when not using (depending on operator's height).



One



Two



Three

Adjust the depth skid. There are several holes in the depth skid, Select the position as required.

Adjust depth skid



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OPERATION STEPS:

To start the engine using the Recoil Starter

Move the rotavator, by pushing it on its wheels, to the work area before starting the engine.



WARNING! To prevent serious injury, never pick-up or carry the rotavator while the engine is running. Always switch off before each use and before moving to another area.

ADDING OIL.

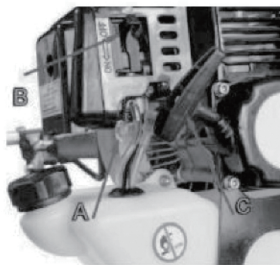
OIL TO FUEL RATIO IS 1 OIL TO 25 FUEL. Use 2 stroke oil, regular unleaded petrol.

Do not use pure petrol or the fuel/oil mixture rate above 25:1.



WARNING! Adding fuel must be carried out carefully away from heat sources and naked flames. Do not smoke when adding fuel.

NOTE: Dispose of the old fuel/oil mix in accordance to local regulations.



A. Start the rotavator as follows and with it resting on the ground in the horizontal position,

a) FROM COLD

- Please set the STOP/START switch on the right handlebar to the START position.
- Set the choke lever (image- B) on the left side of the engine to cold start position (off position).
- Press Primer Bulb (image - A) 6 times until you see the fuel flow through the transparent hose from the fuel tank to the carburettor.
- Now with the hand the starter handle and pull it out briskly! Repeat if necessary until started.
- Move the choke lever to its run position (ON position).
- Pull the starter again until the engine running.

b) FROM HOT

- Exactly the same process as from cold except keep the choke in the run position.
- With the engine running and the tines off the ground, pull up the throttle control lever to increase the engine speed.

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- B. Hold both of the handlebar grips firmly, slowly lower the cultivator until the tines make contact with the ground. As the tines rotate on the soil, begin to pull back on the rotavator so that the tines can penetrate the ground. Once the ground has been broken, continue at a moderate pace until you are familiar with the controls and the handling of the cultivator.
- C. Pull the machine backwards to improve the depth of cultivation and reduce your effort.








STORING THIS EQUIPMENT:

Store in a dry, safe area that is well out of the reach of children.

SAFETY AND INTERNATIONAL SYMBOLS

This operator's manual describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance and repair information.








SYMBOL MEANING

	SAFETY ALERT SYMBOL Indicates danger, warning or caution. Maybe used in conjunction with other symbols or pictographs.
	WARNING-READ OPERATOR'S MANUAL Read the operator's manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.
	WEAR EYE AND HEARING PROTECTION WARNING: Displaced objects and loud noise can cause severe eye injury and hearing loss. Wear eye protection meeting ANSI Z87.1 standards and ear protection when operating this unit. Use a full face shield when needed.
	KEEP BYSTANDERS AWAY WARNING: Keep all bystanders especially children and pets, at least 50 feet (15m) from the operating area.
	UNLEADED FUEL Always use clean, fresh unleaded fuel.
	OIL Refer to operator's manual for the proper type of oil. See the PETROL AND OIL INFORMATION on page 9.
	DISPLACED OBJECTS AND ROTATING CUTTER CAN CAUSE SEVERE INJURY WARNING: Do not operate without the proper attachments and guards in place. Keep hands and feet away from the rotating tines.

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	ON/OFF STOP CONTROL ON/START/RUN.
	ON/OFF STOP CONTROL OFF or STOP
	HOT SURFACE WARNING Do not touch a hot silencer, gear housing or cylinder. You may get burned. These parts get extremely hot from operation. They remain hot for a short time after the unit is turned off.
	CHOKE CONTROL 1. FULL choke position. 2. PARTIAL chokes position. 3. RUN position.
	GARDEN CULTIVATORS-ROTATING TINES CAN CAUSE SEVERE INJURY WARNING: Stop the engine and allow the tines to stop before installing or removing tines, or before cleaning or performing any maintenance. Keep hands and feet away from rotating tines.
	FOOTING AND BALANCE Always keep proper footing and balance. Do not overreach, take extra care when working on steep slopes or inclines.
	PLACE LEFT FOOT HERE Avoid accidental starting. Stand in the starting position whenever pulling the starter rope. The operator and unit must be in a stable position while starting.

TRANSPORTING THE MACHINE

1. Never transport the rotavator inside an enclosed space or vehicle. Fuel or fuel vapour may ignite causing serious injury.
2. If fuel is present in the fuel tank, transport on an open vehicle in an upright position.
3. If an enclosed vehicle must be used, then remove the fuel into an approved fuel container. **DO NOT siphon by mouth.**
4. Run engine to use up the fuel in the carburettor and fuel tank. Always run engine in a well ventilated area.
5. Wipe away any spilled fuel. Allow to dry.
6. Ensure the fuel cap is fitted tightly before transportation.

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MAINTENANCE AND REPAIR INSTRUCTIONS

MAINTENANCE SCHEDULE

Perform these required maintenance procedures at the frequency stated in the table. These procedures should also be a part of any seasonal tune-up.

BODY MAINTENANCE:

1. Every one or two hours, or after oil has been added, check and ensure all screws are tight.
2. Every 20hrs add lubricating oil to the gear box.



3. If the blade gets damaged, then replace or repair immediately.



WARNING: To prevent serious injury, never perform maintenance or repairs to a hot engine.

FREQUENCY	MAINTENANCE REQUIRED
Every 10 hours	Clear and re-oil air filter
Every 25 hours	Check spark plug condition and gap

AIR FILTER MAINTENANCE

Removing the Air Filter Cover

1. Remove the air filter cover by loosening the socket head cap screw.
2. Pull off the cover.



Figure 9

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CLEANING THE AIR FILTER

Clean and re-oil the air filter every ten hours of operation. It is vitally important item to maintain.
Remove the sponge filter from inside.

Wash the filter in detergent and water (Fig. 10). Rinse the filter thoroughly. Squeeze out excess water and allow it to dry completely.

Apply enough SAE 30 oil to lightly coat the filter (Fig. 11). Squeeze the filter to spread and remove extra oil (Fig. 11). Replace the air filter and cover and securing screw.

NOTE: Operating the machine without the air filter and cover assembly will VOID the warranty.

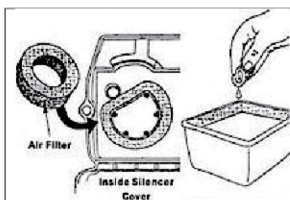


Figure 10

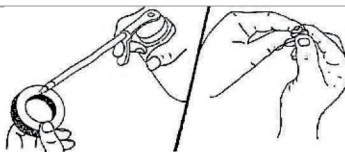


Figure 11

ADJUSTING IDLE SPEED

After checking and cleaning the air filter if necessary, start the engine and let it run for 2-3 minutes to warm up.

Release the throttle lever and allow the engine to idle. If the engine cuts out (will not idle), turn the adjuster clockwise 1/8th of a turn at a time until the engine idles smoothly.

NOTE: Tines must not be rotating on idle. If they do, turn the adjustment screw anti-clockwise a tiny amount.

Replacing the Spark Plug

- Use a champion RDJ7Y spark plug (or equivalent). The correct air gap is 0.020in (0.5mm). Remove the plug after every 25 hours of operation to check its condition.
- Stop the engine and allow it to cool. Grasp the plug cap firmly and pull the cap from the spark plug. Clean dirt from around the spark plug. Remove the spark plug from the cylinder head by turning a 5/8" socket (supplied) counter-clockwise.
- Set the gap at 0.020 in (0.5mm) using a feeler gauge.
- Clean and replace the sparkplug finger-tight and take care not to cross the thread in the cylinder head.
- Tighten using the wrench taking care not to over-tighten.
- On no account allow dirt to enter the cylinder when the spark plug is removed. We suggest filling the plughole using a small piece of clean rag. Do not use tissue as this may tear and enter the cylinder.

STORAGE

Allow the engine to cool before storing. To be stored in a well-ventilated and dry area that out of the reach of children.

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Long Term Storage

- a) Drain any fuel left in the tank into a container and dispose of considering local bylaws.
- b) Start and run the engine until it stalls. This ensures all fuel has been used from the carburettor.
- c) Allow the engine to cool and remove the spark plug.
- d) Put 30ml of high quality motor oil into the cylinder. Slowly pull the starter to distribute the oil.
- e) Re-install the spark plug.

NOTE:

When re-starting after prolonged storage, be sure to drain all the oil out from the cylinder first!

DISPOSAL:

- Dispose of all packaging, paper, cartons and plastic, plastic bags in accordance with your local recycling regulations.
- At the end of the product's lifespan please dispose of it at an authorised household WEEE waste recycling centre.

