

Instruction Manual



CULTIVATOR ATTACHMENT

Model No.
C944.511580

- **Safety**
- **Assembly**
- **Operation**
- **Maintenance**
- **Parts List**



WARNING:

Read and follow all Safety Rules and Operating Instructions before first use of this product.

Sears Canada, Inc., Toronto, Ontario M5B 2B8

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WARRANTY STATEMENT

LIMITED TWO (2) YEAR WARRANTY ON CRAFTSMAN® CULTIVATOR ATTACHMENT

For two (2) years from the date of purchase, Sears Canada, Inc., will repair or replace free of charge, at Sears option, parts which are defective as a result of material or workmanship.

COMMERCIAL OR RENTAL USE:

Warranty on Cultivator Attachment will be 90 days from the date of purchase if used for commercial or rental purposes.

This warranty excludes expendable parts that become worn during normal use.

Warranty service is available by returning the Cultivator Attachment to the nearest Sears Service Centre/Department in Canada. This warranty applies only while this product is in use in Canada.

This warranty is in addition to any statutory warranty and does not exclude or limit legal rights you may have but shall run concurrently with applicable provincial legislation. Furthermore, some provinces do NOT allow limitations on how long an implied warranty will last, so the above limitations may not apply to you.

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SAFETY RULES

⚠ WARNING: When using gardening appliances, basic safety precautions must always be followed to reduce the risk of fire and serious injury. Read and follow all instructions. Failure to do so can result in serious injury.

This power unit can be dangerous!
This unit can cause serious injury including amputation or blindness to the operator and others. Operator is responsible for following instructions and warnings on unit and in manual. Read entire instruction manual before using unit! Be thoroughly familiar with the controls and the proper use of the unit. Restrict the use of this unit to persons who have read, understand and will follow the instructions and warnings on the unit and in the manual. Never allow children to operate this unit.



INSTRUCTION
MANUAL



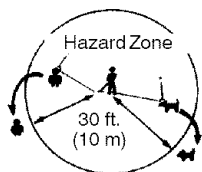
SAFETY INFORMATION
ON THE UNIT

OPERATOR SAFETY

⚠ DANGER: RISK OF CUT. KEEP HANDS AND FEET AWAY FROM TINES AND CUTTING AREA. Rotating tines can cause serious injury. Do not attempt to clear away cut material or hold material to be cut when the engine/motor is running. Make sure powerhead is stopped and spark plug wire is disconnected (or powerhead is disconnected from power source) when removing jammed material from the tines. Do not grab or hold attachment by the tines.



⚠ WARNING: Keep away from rotating tines. You and others can be blinded/injured. Wear eye and leg protection.



Keep children, bystanders, and animals 30 feet (10 meters) away. Stop unit immediately if approached.

- Dress properly. Always wear safety glasses or similar eye protection when operating, or performing maintenance on your unit (safety glasses are available). Eye protection should be marked Z87.
- Always wear face or dust mask if operation is dusty.
- Always wear heavy, long pants, long sleeves, boots, and gloves.
- Always wear foot protection. Do not go barefoot or wear sandals.
- Secure hair above shoulder length. Secure or remove loose clothing or clothing with loosely hanging ties, straps, tassels, etc. They can be caught in moving parts.
- Being fully covered also helps protect you from debris and pieces of toxic plants thrown by spinning tines.
- Stay alert. Do not operate when you are tired, ill, upset, or under the influence of alcohol, drugs, or medication. Watch what you are doing; use common sense.
- Wear hearing protection.
- Never start or run inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handles free of oil and fuel.
- Never operate the cultivator without the tine guard in place and properly secured.

FUEL SAFETY (for gas powerheads)

- Mix and pour fuel outdoors.
- Keep away from sparks or flames.
- Use a container approved for fuel.
- Do not smoke or allow smoking near fuel or the powerhead.
- Avoid spilling fuel or oil. Wipe up all fuel spills before starting the powerhead.
- Move at least 10 feet (3 meters) away from fueling site before starting powerhead engine.
- Stop engine and allow to cool before removing fuel cap.
- Remove fuel cap slowly.
- Store unit and fuel in an area where fuel vapors cannot reach sparks or

open flames from water heaters, electric motors or switches, furnaces, etc.

ELECTRICAL SAFETY (for electric powerheads)

⚠ WARNING: Avoid a dangerous environment. To reduce the risk of electrical shock, do not use in rain, in damp or wet locations, or around swimming pools, hot tubs, etc. Do not expose to snow, rain, or water to avoid the possibility of electrical shock. Do not use on wet surfaces. Do not handle extension cord plug or unit with wet hands.

- Use only a voltage supply as shown on the nameplate of the unit.
- Avoid dangerous situations. Do not use in presence of flammable liquids or gases to avoid creating a fire or explosion and/or causing damage to unit.
- Avoid dangerous environments. Do not use in unventilated areas or where dust or explosive vapors can build up.
- To reduce the risk of electric shock, the powerhead may have a polarized plug (one blade is wider than the other); if so, it will require the use of a polarized extension cord. The appliance plug will fit into a polarized extension cord only one way. If the plug does not fit fully into the extension cord, reverse the plug. If the plug still does not fit, obtain a correct polarized extension cord. A polarized extension cord will require the use of a polarized wall outlet. This plug will fit into the polarized wall outlet only one way. If plug does not fit fully into the wall outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper wall outlet. Do not change the equipment plug, extension cord receptacle, or extension cord plug in any way.
- To reduce risk of electrical shock, use extension cords specifically marked as suitable for outdoor appliances having electrical rating not less than the rating of unit. Cord must be marked with suffix "W-A" (in Canada "W"). Make sure your extension cord is in good condition. Inspect extension cord before use and replace if damaged. Do not use a damaged cord. Cord insulation must be intact with no cracks or deterioration. Plug connectors must be undamaged. The extension cord used to reach the power source must be heavy enough to

carry current from the power source the full length of the extension cord to the unit. An undersized extension cord will cause a drop in line voltage resulting in loss of power and overheating. If in doubt, use the next heavier gauge. The lower the gauge number, the heavier the cord.

- Do not use multiple cords.
- Do not abuse cord. Never carry the unit by the extension cord or yank extension cord to disconnect unit. To unplug, grasp the plug, not the cord. Do not use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not expose cords to heat, oil, or water.
- Keep the extension cord clear of operator and obstacles at all times.
- Tie cord to cord retainer and connect to recessed plug as shown in this manual to prevent damage to unit and/or extension cord and to reduce the possibility of the extension cord disconnecting from the unit during operation.
- Do not attempt to repair unit. Inspect the insulation and connectors on the powerhead and extension cord before each use. If there is any damage, do not use until damage is repaired by your authorized service dealer.
- Do not use the powerhead if the switch does not turn the unit on and off properly. Have the unit repaired by your authorized service dealer.
- Do not use with damaged cord or plug. If powerhead is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to your authorized service dealer for repair.
- Avoid unintentional starting of the unit. Never carry unit with your finger on the switch. Be sure the switch is in the OFF position and never touch the switch when connecting extension cord.
- Unplug the unit from the power source when not in use, before servicing, and when changing accessories and/or attachments.
- Avoid any body contact with any grounded conductor, such as metal fences, or pipes, to avoid the possibility of electric shock.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit or outlet to be used for the powerhead. Receptacles are available having built-in GFCI protection

and may be used for this measure of safety.

UNIT/MAINTENANCE SAFETY

⚠ WARNING: Disconnect powerhead spark plug (or disconnect powerhead from power source) before performing maintenance.

- Inspect entire unit before each use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and securely fastened.
- Maintain unit according to recommended procedures.
- Have all maintenance and service not explained in this manual performed by a Sears Service Center.
- Throw away tines that are bent, warped, cracked, broken, or damaged in any other way. Replace parts that are cracked, chipped, or damaged before using the unit.
- Use only recommended Craftsman parts and accessories. Never use wire, wire rope, string, flailing devices, etc.
- Be sure tines stop turning when engine idles (see CARBURETOR ADJUSTMENTS section of powerhead manual).
- Remove the tines before making carburetor adjustments. Hold the unit by hand.
- Keep others away when making carburetor adjustments.
- Never start the unit with the clutch housing removed. The clutch can fly off and cause serious injury.
- Avoid heavy contact with solid objects that might stop the tines. If heavy contact occurs, stop the unit and inspect for damage.
- If tines strike a foreign object, follow these steps: stop unit and disconnect spark plug wire (or disconnect from power source), inspect for damage, and repair any damage before resuming operation of the unit.
- Never douse or squirt the attachment with water or any other liquid. Clean unit and decals with a damp sponge (see STORAGE).

CULTIVATING SAFETY

⚠ WARNING: Inspect the area to be cultivated before each use. Remove objects (rocks, vines, branches, broken glass, nails, wire, string, etc.) which can be thrown by the tines or can wrap around the shaft.

- Hold the unit firmly with both hands.
- Keep firm footing and balance. Do not overreach or stand on unstable surfaces.
- Look behind and use care when backing up.
- Keep all parts of your body away from the tines and muffler.
- Do not force the unit. Use only for jobs explained in this manual. Use only for cultivating. Do not abuse unit. Do not use in rain or wet locations.
- Use only in daylight or good artificial light.

TRANSPORTING AND STORAGE

- Stop powerhead before leaving work area.
- Allow powerhead and gearbox to cool before storing or transporting it in a vehicle.
- Store unit and fuel in area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.

- Store attachment so tines cannot accidentally cause injury.
- Store attachment indoors, out of reach of children.

If situations occur which are not covered in this manual, use care and good judgment. If you need assistance, call 1-800-235-5878.

SPECIAL NOTICE: Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swellings. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands, or joints, discontinue the use of this tool and seek medical attention. An anti-vibration system does not guarantee the avoidance of these problems. Users who operate power tools on a continual and regular basis must monitor closely their physical condition and the condition of this unit.

SAVE THESE INSTRUCTIONS

ASSEMBLY

CARTON CONTENTS

Check carton contents against the following list.

Model C944.511580

- Cultivator Attachment
- Attachment Hanger

Examine parts for damage. Do not use damaged parts.

NOTE: If you need assistance or find parts missing or damaged, call 1-800-235-5878.

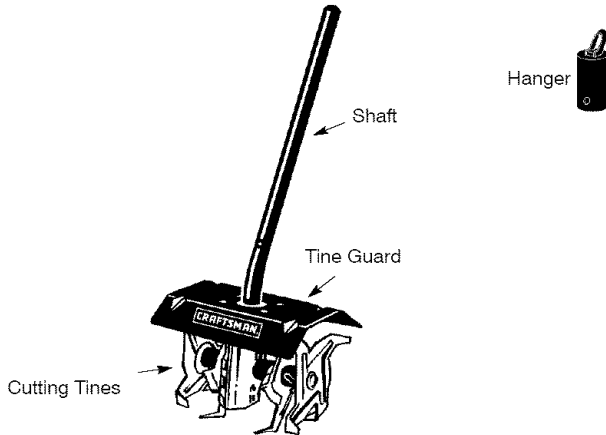
ASSEMBLY

Your attachment is fully assembled; no assembly is necessary.

OPERATION

KNOW YOUR CULTIVATOR ATTACHMENT

READ THIS INSTRUCTION MANUAL AND SAFETY RULES BEFORE OPERATING YOUR CULTIVATOR ATTACHMENT. Compare the illustrations with your attachment to familiarize yourself with the location of the various controls and adjustments. Save this manual for future reference.



CUTTING TINES

The CUTTING TINES are designed to loosen soil.

TINE GUARD

The TINE GUARD provides partial protection from the rotating tines.

OPERATING THE COUPLER

Your powerhead is equipped with a coupler which enables optional attachments to be installed. The optional attachments are:

- Edger 71-51157
- Blower 71-51160
- Pruner 71-51161
- Brushcutter* 71-51159

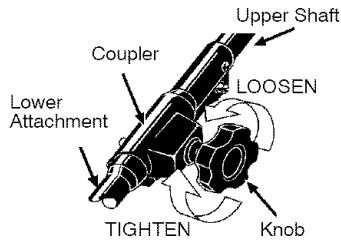
*not designed for use with electric powerheads

WARNING: Always disconnect powerhead spark plug (or disconnect powerhead from power source) before removing or installing attachments.

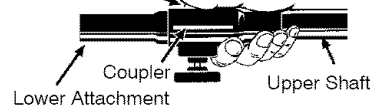
REMOVING ATTACHMENT

CAUTION: When removing or installing attachments, place the powerhead and attachment on a flat surface for stability.

1. Loosen the coupler by turning the knob counterclockwise.



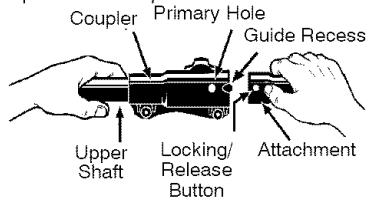
2. Press and hold the locking/release button.



3. While securely holding the upper shaft, pull the attachment straight out of the coupler.

INSTALLING ATTACHMENT

1. Remove the shaft cap from the attachment (if present) and discard.
2. Position locking/release button of attachment into guide recess of upper shaft coupler.



3. Push the attachment into the coupler until the locking/release button snaps into the primary hole.
4. Before using the unit, tighten the knob securely by turning clockwise.

INSTALLING ATTACHMENT HANGER

An attachment hanger is provided for storage when attachment is not in use.

To install hanger on attachment:

1. Remove the shaft cap from the attachment (if present) and discard.
2. Press and hold the locking/release button.
3. Push hanger onto the attachment until the locking/release button snaps into the hole.

OPERATING POSITION

ALWAYS WEAR:



WARNING: To avoid personal injury, never carry the cultivator while the unit is running.

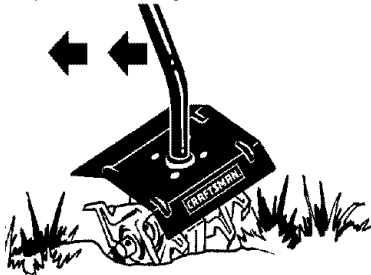
WARNING: The gearbox gets very hot after extended periods of use. To avoid burns, do not touch the gearbox until it has been allowed to cool.

CULTIVATING

1. Move the cultivator to the work area prior to starting the engine/motor.
2. With the engine/motor running and the tines off the ground, press the throttle trigger to increase the engine speed.
3. Hold trigger handle and assist handle firmly. Slowly lower the cultivator until the tines make contact with the ground.



4. As unit begins cultivating, pull back on the unit so that the tines can penetrate the ground.



5. Once the ground has been broken, continue at a moderate pace until you are familiar with the controls and the handling of the cultivator.
6. Pull the cultivator backwards to improve the depth of cultivation and reduce your effort.
7. To cultivate in confined areas or narrow rows, remove the left and right outer tines (see TINE REPLACEMENT).

MAINTENANCE

MAINTENANCE SCHEDULE

⚠ WARNING: Always stop unit and disconnect spark plug wire (or disconnect powerhead from power source) before performing maintenance.

CARE AND MAINTENANCE TASK	WHEN TO PERFORM
Check for loose fasteners and parts	Before each use
Check for damaged or worn parts	Before each use
Inspect and clean unit and decals	After each use
Check or replace tines	Every 5 hours of operation

GENERAL RECOMMENDATIONS

The warranty on this attachment does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the cultivator attachment as instructed in this manual.

CHECK FOR LOOSE FASTENERS AND PARTS•

- Clevis pins
- Hitch pin clips

CHECK FOR DAMAGED OR WORN PARTS

Contact Sears Service Center for replacement of damaged or worn parts.

- Tine Guard - Discontinue use of cultivator if tine guard is damaged.

INSPECT AND CLEAN UNIT AND DECALS

- After each use, inspect complete unit for loose or damaged parts. Clean the unit and decals using a damp cloth with a mild detergent.
- Wipe off unit with a clean dry cloth.

TINE MAINTENANCE

⚠ WARNING: The tines will continue to spin after the engine stops or after the throttle trigger has been released. To avoid serious injury, make sure the tines have stopped coasting and disconnect the spark plug (or disconnect powerhead from power source) before performing work on the tines.

⚠ WARNING: Always replace tines that are bent, warped, cracked, broken, or damaged in any other way. Never attempt to straighten and reuse a damaged tine. Use only specified replacement tines. Wear protective gloves when handling or performing maintenance on the tines to help avoid injury.

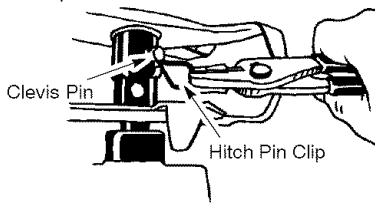
SERVICE AND ADJUSTMENTS

TINE REPLACEMENT

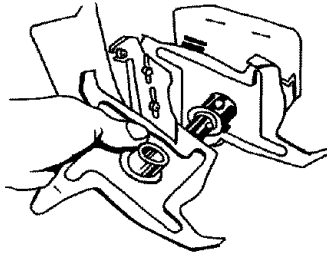
⚠ WARNING: The tines will continue to spin after the engine stops or after the throttle trigger has been released. To avoid serious injury, make sure the tines have stopped coasting and disconnect the spark plug (or disconnect powerhead from power source) before performing work on the tines.

⚠ WARNING: Wear protective gloves when handling or performing maintenance on the tines to avoid injury. The tines become very sharp from use.

1. Remove the hitch pin clips and clevis pins.



2. Remove the tines and felt cushions from the shaft.
3. Clean and oil the shaft.
4. Replace the tines and the felt cushions.



5. Repeat previous steps on opposite side.
6. Reinstall clevis pins and hitch pin clips.

NOTE: When installed correctly, the hubs on the tines will face each other. The letters "R" stamped on the tines will be on the right side of the cultivator and the letters "L" will be on the left side.

STORAGE

⚠ WARNING: Perform the following steps after each use:

- Allow attachment and gearbox to cool before storing or transporting.
- Position attachment so that any sharp object cannot accidentally cause injury.
- Store the attachment in a dry, well ventilated area out of the reach of children.

SEASONAL STORAGE

Prepare attachment for storage at end of season or if it will not be used for 30 days or more.

If your cultivator attachment is to be stored for a period of time:

- Clean the entire attachment.
- Inspect the tine guard area and clean any dirt or debris that has collected. Inspect the tines; replace tines that are bent, warped, cracked, broken or damaged in any other way.
- Lightly oil external metal surfaces.
- Check entire attachment for loose screws or nuts. Replace any damaged, worn or broken parts.
- At the beginning of the next season, use only fresh fuel having the proper gasoline to oil ratio.