

Customer Safety and Operation Guide

Electric Eel Model C Electric Sectional Drain Snake

WARNING

Safety Topics



Electric Eel®

Read and understand all safety and operational guidelines before operating this machine. Failure to follow safety and operations guide could result in death or serious injury. Please visit www.electriceel.com for the manufacturers operation and safety manual for the Model C.

Safety Checklist



DANGER!!!

TO PREVENT SERIOUS BODILY INJURY:

1. **ALWAYS** wear **HEAVY** reinforced leather gloves and **SAFETY** glasses when operating this equipment.
2. Place this machine within 8 feet of inlet, and **NEVER** add more than **ONE 8 FT. SECTION** of cable at a time between sewer opening and machine.
3. **NEVER** handle rotating cable or cable under tension.
4. **DO NOT** wear loose clothing or jewelry while operating this machine.
5. The Model C Sewer and Drain Cleaning Machine should be **OPERATED BY ONE PERSON ONLY**. Additional personnel in the work area **MUST** observe all safety instructions.
6. Wear rubber soled **NON-SLIP SHOES**, **HEAVY LEATHER** gloves, and **EYE PROTECTION**.
7. **ALWAYS AVOID** direct contact of skin, facial area and especially the **EYES** with drain water. Chemical compounds used in drains can result in serious burns and other injuries.
8. **REPLACE** fittings, cables and any rotating parts as soon as they become visibly worn. **REPLACE** any cables which become fractured, bent, kinked or are otherwise damaged.

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Safety Checklist (Continued):

9. **NEVER** attempt to service equipment beyond the recommendations of the operating instructions. All other servicing should be referred to qualified Electric Eel service personnel.
10. To maintain safe operation, **USE ONLY** identical replacement parts and cables from Electric Eel.
11. **ALWAYS KEEP CLEAR** of rotating shafts, pulleys, belts and other rotating parts.
12. **DO NOT** continue to operate machine when cleaning tool becomes stuck in an obstruction. **EXCESS TORQUE ON A CABLE COULD CAUSE IT TO FRACTURE. RELEASE CABLE TENSION**, to prevent unnecessary build-up of torque on the cable. Keep machine under control at all times. (Refer to operating instructions to free cleaning tool.)
13. **NEVER HANDLE ANY CABLE UNDER TENSION. ALWAYS** relieve tension on the cable by reverse rotation or by turning the switch off and unplugging the cord.
14. **NEVER** force a tool and cable into pipeline blockage. This may overload the cable or tool and cause it to fracture.
15. Use **CORRECT TOOL** for the job or application. Check the tool chart and use the proper tool for the size of the line being cleaned.
16. To maintain safe and efficient operation, **CLEAN THOROUGHLY** all cables and tools with water after use. Acids in the drain and sewer lines can attack and deteriorate the metal of the cables and tools. Deterioration can cause premature fracture or breakage in tools or cable.

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DANGER!!!

TO PREVENT SERIOUS BODILY INJURY AND TO AVOID DANGER FROM ELECTRICAL SHOCK:

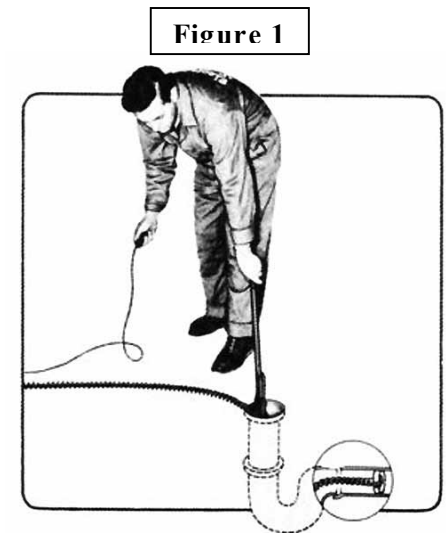
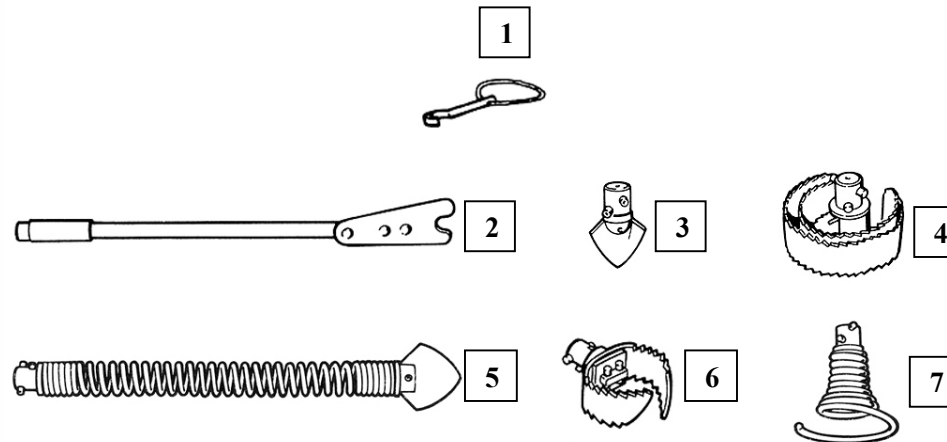
To ensure protection against electric shock, test the GFCI before each use. When test button is pushed in, the indicator light should go off. Reactivate the device by pushing the reset button in. If the indicator light goes on, the device is ready for use. **DO NOT** use the device if the indicator light does not go on when reset or if the indicator light remains on, when the test button is pushed in. This device does not guard against electric shock resulting from defects or faults in any wiring supplying power to this device, or from contact with both circuit conductors.

1. **ALWAYS** use a ground fault interrupted circuit with a properly grounded outlet for all electrical cords, connections and parts as installed by factory. **DO NOT** make any alterations.
2. **NEVER** use machine while standing in damp or wet conditions.
3. **NEVER** expose machine to rain.
4. **THE USER SHOULD NEVER ATTEMPT TO SERVICE THE ELECTRICAL COMPONENTS.** For safety reasons, all electrical replacement components should be installed by a qualified electrician.
5. **BEFORE MAKING ADJUSTEMENTS OR CHANGES TO POWER UNITS, DISCONNECT FROM ELECTRICAL SOURCE.**

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Tool Application: Clears 3” through 10” drain/sewer lines up to 200 Ft. Main sewer lines, septic tanks.



Standard Tools Included with the Model C Kit:

1. **SC-18** Spanner Wrench for disconnecting cables/tools
2. **SC-13** Feeding Tool for “P” Traps (Figure 1)
3. **A-1DC** Starting Tool for 3” Lines
4. **A-14DC** Root Saw for 4” Lines
5. **HDD-2T** Spearhead Tool on 12” Flexible Spring – Use to Negotiate Traps
6. **U-4H** Grease Tool for 4” Lines
7. **HDD-7** Retrieving Tool for 4” Lines

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Follow the steps below to operate the tool:

Step	Action
1	If at all possible, the nature and approximate location of the stoppage should be determined before starting the job. Usually a drain or sewer line obstruction is removed by running the cleaning tool downstream until obstruction is reached.
2	The cleaning tool should be chosen according to the enclosed information for the line size being cleaned.
3	The cleaning tool reduces the obstruction to small pieces, which are then washed downstream by the flow of water. In such cases, after clearing the obstruction, you should use as much water in the line as possible.
4	Check for clean outs – and, where possible, avoid traps by using an opening beyond the trap.
5	Wheel the machine into the space where the work is to be done.
6	Connect the proper cleaning tool to the first section of cable and insert into the line to be cleaned. Continue to connect and insert additional 8’ sections and feed by hand into line until resistance is met then attach cable to machine. BEFORE TURNING ON THE MOTOR, BE SURE MOTOR SWITCH IS IN FORWARD POSITION.
7	If the opening is trapped, you must use the feeding tool to start the cable into the line. The FEEDING TOOL is held against the rotating cable so that the cable feeds into the pipeline far enough to gain its own footing. Remove the starting switch from the bracket and use it and the feeding tool as shown in Figure 1 on the Tool Application Page.
8	As soon as the cleaning tool has negotiated the trap, shut off the motor and return the switch to the bracket. AVOID “P” traps in 3” diameter pipelines as they can cause severe cable damage.
9	To add additional 8’ cable sections use the following procedure, but NEVER add more than ONE 8’ SECTION of cable at a time between sewer opening and machine. Feed the added section into the pipeline until the machine is two or three feet from the opening. Then add another length of cable. The open spaced, right hand wound construction of the outer cable member provides a self-feeding action and exerts an even pressure against the pipeline stoppage. If the safety clutch slips, put the machine in reverse and back away momentarily from the obstruction.

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Tool Operation (Continued):

Step	Action
10	Work the cable back and forth – by alternating the motor in reverse and forward for a few seconds in each direction – until the initial opening in the obstruction is made. It is not necessary to let too much cable out of the line. A foot or two backward and forward several times usually does the job. Repeated slippage may indicate a broken or damaged pipeline. AVOID slack in the cable between the machine and the pipeline opening – as this is the area where cable will have a tendency to loop and then kink and become damaged and/or could cause serious injury.
11	Repeat this operation until flow is established. WHEN POSSIBLE, KEEP PLENTY OF FRESH WATER RUNNING THROUGH THE LINE WHILE WORK IS BEING DONE. This allows the obstruction, broken loose by the cleaning tool, to be flushed out. This also allows the cable to be washed off when it is withdrawn from the pipeline. It is important to wash off the cable in this matter – or with a hose – immediately after the job is completed. This prevents damage to the cable and tools by the chemicals present in drains and sewers.
12	After the initial opening is made, reverse the motor to feed the cable out of the line. Use the proper tool to complete the job.
13	Occasionally, a tool will hang up on some obstruction and will not feed back. If this happens, put the motor in forward rotation and pull back on the dolly until the tool is past the obstruction. Then, put the machine in reverse and the tool will feed out.

OPERATOR'S MANUAL and MORE INFORMATION AVAILABLE AT:

Website: www.electriceel.com

Toll-Free: 800-833-1212