



# Customer Safety and Operation Guide



## Electric Eel Model E 50 Ft. Electric Drain Cleaner

### **WARNING** **Safety Topics**



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](http://www.electriceel.com) for the manufacturers operation and safety manual for the Model E.



## Safety Checklist

### **DANGER!!! TO PREVENT SERIOUS BODILY INJURY:**

1. **ALWAYS** wear heavy leather gloves and safety glasses when operating equipment.
2. **DO NOT** wear loose clothing or jewelry while operating this machine.
3. Use foot switch to operate machine while keeping good footing and balance at all times. **DO NOT OVERREACH.**
4. Machine, foot switch and cable should be **operated by one person only.**
5. **ALWAYS** keep all guards in place during operation.
6. **ALWAYS** wear rubber-soled non-slip shoes.
7. **ALWAYS** avoid contact of skin, facial area and especially eyes with drain water.
8. **ALWAYS** keep clear of rotating cages/drums, shafts, pulleys, belts or other rotating parts.



### **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 Circuit Interrupter (GFCI) with a properly grounded outlet for all electrical cords, connections, and parts as installed by factory and **DO NOT** make any alterations.
2. **NEVER** use the machine 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 adjustments or changes to power units, disconnect from electrical source.
6. If an extension cord is used, the power source **MUST** be equipped with a Ground Fault Circuit Interrupter (GFCI) and properly grounded.
7. Only use 14/3 or larger three-wire extension cords.
8. When using an extension cord outdoors, only use those intended for outdoor use. (Indicated on cord by suffix "W-A" after cord type.)



### **DANGER!!! TO PREVENT SERIOUS BODILY INJURY AND TO AVOID DANGER FROM ROTATING CABLES AND EQUIPMENT:**

1. **USE CAUTION AT ALL TIMES.** Cable can twist or kink and cause serious injury. Fingers or other body parts can be caught in rotating parts.
2. **NEVER** handle any cable under tension. Relieve all tension build up before attempting to handle cable.
3. **DO NOT** continue to operate machine when cleaning tool becomes stuck in an obstruction. **Excess torque on a cable could cause it to fracture.**
4. **NEVER** force a tool and cable into a pipeline blockage.
5. **ALWAYS** wear **HEAVY** leather gloves and safety glasses when operating machine.
6. Use correct tool for the job or applicaton. Check the tool listing for the correct tool and line size.
7. To maintain safe and efficient operation, thoroughly clean all cables with water after use. Acids in the drain and sewer lines attack and deteriorate the metal of the cables and tools.

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## Tool Application:

Clears 1-1/4" through 3" diameter drain lines up to 50 Ft. Kitchen sinks and laundry tubs are typical applications.



### Standard Tools Included with the Model E Kit:

1. DN-10 General purpose tool
2. DN-11 Drill point tool
3. DN-12 Finishing/Grease tool

## Follow the steps below to operate the tool

Step	Action
1	Place the machine within 3 ft. of the drain or sewer clean out.
2	Attach a small spear-type cleaning tool to the end of the cable. This tool will enable you to bore a starter hole in the obstruction, allowing backed-up water to drain.
3	Position foot actuator for easy operator accessibility.
4	Make sure FOR/REV switch is in the <b>FORWARD</b> position. Run the machine in forward at all times during cleaning operation, use reverse only to dislodge tool lodged in pipe line.
5	With the machine in the off position, hand feed the cleaning tool and cable into the sewer line clean out as far as can be easily done.
6	With gloved hands on cable, begin depressing the foot actuator to start the machine. <b>ALWAYS</b> keep two hands on the cable in order to guide and control the rotating cable.
7	Apply downward pressure with gloved hands on cable; rotating cable will slowly work its way into the line.
8	Repeat steps 6 and 7 until the obstruction is met. This will become apparent as operator can no longer feed additional cable into the line and/or cable slows or fails to rotate. <b>WARNING: DO NOT ALLOW</b> machine to run when cleaning tool becomes stuck in the obstruction and cable fails to rotate. This will cause <b>EXCESS CABLE TENSION</b> and allow the cable to kink, and/or break due to excess torque build-up. If tool becomes stuck, switch motor for Forward to Reverse operation, and slowly back tool out of obstruction.
9	To work tool through obstruction, place toggle switch in <b>FORWARD</b> direction and begin running cable into line. When the cable hits an obstruction and starts to load, the operator should pull on the cable in order to back tool away from obstruction. This procedure should continue until tool has fully worked its way through the obstruction. <b>NOTE:</b> For larger lines, it will be necessary to repeat steps 5 through 9 with a larger tool or blade after the obstruction has been penetrated.
10	To retrieve cable from sewer line, manually pull cable from sewer and hand feed back into the machine with it running in <b>FORWARD</b> rotation. <b>NOTE:</b> It is recommended that you use a continuous flush of water to clean tool, cable and sewer line as cable is retrieved.
11	As tool nears coming out of the drain or sewer opening, release foot actuator and allow machine to come to a complete stop.
12	Pull remaining cable and tool from drain/sewer line and hand feed cable back into machine.

OPERATOR'S MANUAL and MORE INFORMATION AVAILABLE AT: [www.electriceel.com](http://www.electriceel.com)

**Electric Eel**®

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