



# Customer Safety and Operation Guide

*Electric Eel®*

**Electric Eel Model Z5-AF**  
75 Ft. Auto Feed Electric Snake

Email: [info@electriceel.com](mailto:info@electriceel.com)

Website: [www.electriceel.com](http://www.electriceel.com)

## **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 Z5-AF.

### Safety Checklist



### **DANGER!!!**

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

1. **ALWAYS** wear heavy leather gloves and safety glasses when operating equipment.
2. Place machine cable guide spring at pipe opening. **NEVER** have exposed cable.
3. **DO NOT** wear loose clothing or jewelry while operating this machine.
4. Use foot switch to operate machine while keeping good footing and balance at all times. **DO NOT OVERREACH.**
5. Machine, foot switch and cable should be **operated by one person only.**
6. **ALWAYS** keep all guards in place during operation.
7. **ALWAYS** wear rubber-soled non-slip shoes.
8. **ALWAYS** avoid contact of skin, facial area and especially eyes with drain water.
9. **ALWAYS** keep clear of rotating cages/drums, shafts, pulleys, belts or other rotating parts.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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### **WARNING**



**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. **ALWAYS** disconnect the power cord from the electrical source before making any adjustments or changes to power units.
4. If an extension cord is used, the power source **MUST** be equipped with a Ground Fault Circuit Interrupter (GFCI) and properly grounded.
5. Only use 14/3 or larger three-wire extension cords.
6. When using an extension cord outdoors, only use those intended for outdoor use. (Indicated on cord by suffix “W-A” after cord type.)



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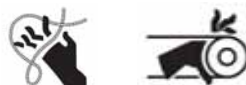
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### **WARNING**

#### GENERAL SAFETY – ROTATING CABLES AND EQUIPMENT



**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 the rotating cable.
3. **NEVER** handle any cable under tension. Relieve all tension build up before attempting to handle cable.
4. **NEVER** operate machine without cable guide spring in place.
5. Use feeder to advance or retract cable with motor switch in **FORWARD** position. Use **REVERSE** on feeder to dislodge a tool lodged in pipeline.
6. **DO NOT** continue to operate machine when cleaning tool becomes stuck in an obstruction. **Excess torque on a cable could cause it to fracture.**
7. **NEVER** force a tool and cable into a pipeline blockage.
8. **ALWAYS** wear **HEAVY** leather gloves and safety glasses when operating machine.
9. Use correct tool for the job or application. Check the tool listing for the correct tool and line size.
10. 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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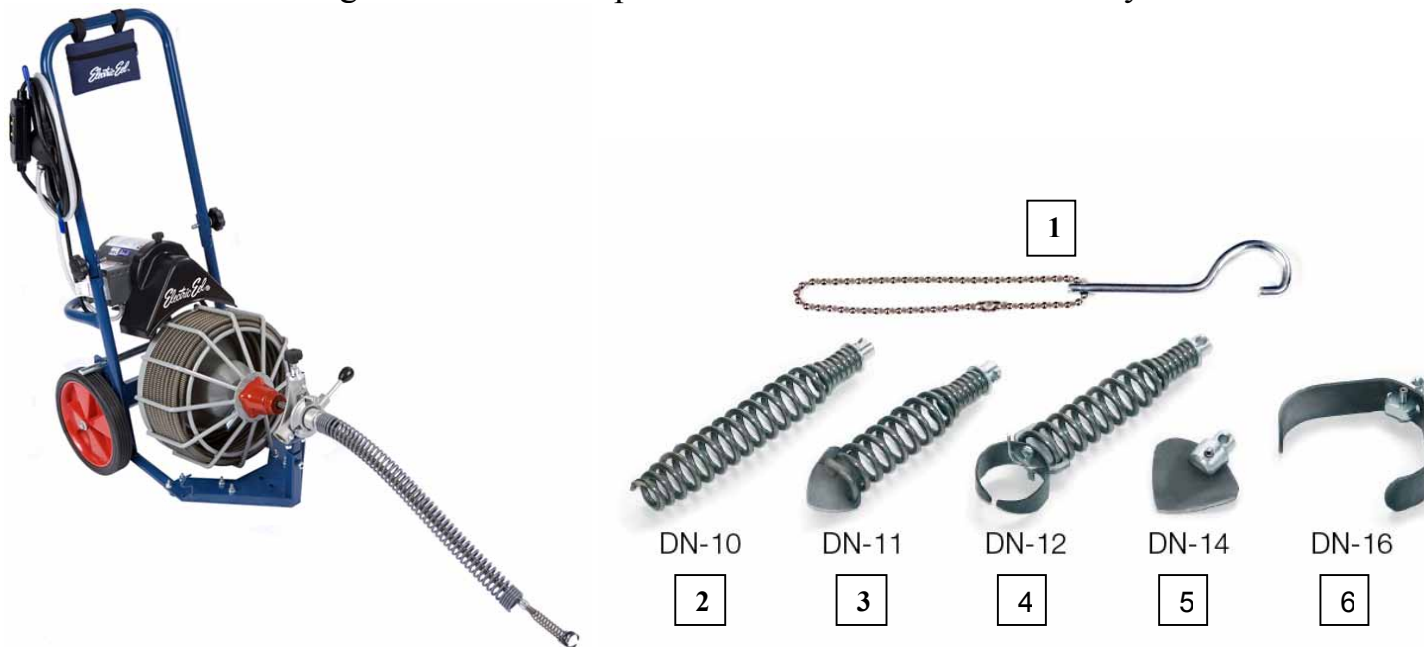
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**Tool Application:** Clears 1-1/4" through 3" drain lines up to 75 Ft. and features a two-way auto cable feed for ease of operation.



### Standard Tools Included with the Model Z5-AF Kit:

1. **SC-18** Spanner Wrench
2. **DN-10** Bulb Shaped General Purpose Spring Tool
3. **DN-11** Spear Head on Flexible Spring (Initial Starting Tool)
4. **DN-12** "U" Shaped Grease Tool on Flexible Spring Finishing Tool
5. **DN-14** Spear Head Tool (Initial Starting Tool)
6. **DN-16** "U" Shaped Tool

**NOTE:** The best choice for an initial starting tool is either the DN-11 or DN-14.



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**Follow the steps below to operate the tool**

Step	Action
1	<b>WITH POWER OFF</b> , 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.
2	Place machine cable guide spring at pipe opening. <b>NEVER</b> have exposed cable.
3	Position foot actuator for easy operator accessibility.
4	To operate the feeder motor, switch must be in <b>FORWARD</b> position.
5	Place one <b>HEAVY</b> leather gloved hand on cable guide spring to control cable as it rotates inside; and use the other hand to work the feeder control lever. <b>DANGER:</b> Operator must keep one <b>HEAVY</b> leather gloved hand on cable guide at all times during operation.
6	<b>WITH POWER ON</b> , in order to feed cable, the operator must move the feeder control lever from <b>NEUTRAL</b> (the position midway between FORWARD and REVERSE) to the <b>FORWARD</b> position, while depressing the foot actuator. <b>NOTE:</b> The speed at which the cable is fed initially can be controlled by moving the control lever toward <b>FORWARD</b> to increase speed and moving back toward <b>NEUTRAL</b> to slow speed. <b>NOTE:</b> If the feeder control lever is initially put in <b>FORWARD</b> but the cable is not advancing, then turn the cable tension knob in a clockwise direction until the cable begins to advance.
7	Continue to automatically feed cable until obstruction is met. When cable begins to drag or rotation becomes difficult, move the lever to the <b>NEUTRAL</b> position and allow tool to cut away at the obstruction. <b>DANGER:</b> <b>NEVER</b> force the cable or tool into the obstruction.
8	If tool becomes hung up in the obstruction, move control lever to the <b>REVERSE</b> position to back out tool.
9	After tool has been removed from obstruction, move control lever back to the <b>FORWARD</b> position and continue to work through obstruction.



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### Tool Operation (Continued):

Step	Action
10	To retrieve cable from line, move control lever to the <b>REVERSE</b> position (while continuing to operate cage in forward rotation) and cable will back out of line and feed into cage. <b>NOTE:</b> It is recommended to use a continuous flush of water to clean tool, cable and sewer line as cable is retrieved.
11	When tool is close to cleanout opening, return Control Lever to <b>NEUTRAL</b> position, release foot actuator and allow machine to come to a complete stop. <b>DISCONNECT POWER CORD.</b>
12	Pull remaining cable and tool from drain line and hand feed cable back into machine.

**OPERATOR'S MANUAL and MORE INFORMATION AVAILABLE AT:**

Website: [www.electriceel.com](http://www.electriceel.com)

Toll-Free: 800-833-1212