

# Electric Eel 100' Drain Cleaning Machine

The **Electric Eel Model RF Drain Cleaning Machine** is a professional quality sewer and drain cleaning piece of equipment. This machine is specifically designed for cleaning 3" to 6" drain lines up to 100 feet in length and features a two-way auto cable feed for ease of operation. A cable guide spring also keeps hands off rotating cable near the machine.

## 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. Additional personnel in the working area should observe all safety instructions.
6. **Always** keep all guards in place during operation.
7. **Always** wear rubber-soled non-slip shoes.
8. **Always** avoid direct contact of skin, facial area and especially eyes with drain water. Chemical compounds used in drains can result in serious burns and other injuries.
9. Replace fittings, cables and any rotating parts as soon as they become visibly worn. Replace any cables which become fractured, bent, kinked, or any other damage occurs.
10. **Never** attempt to service equipment.
11. To maintain safe operation, use only identical replacement parts and cables from Electric Eel.
12. **Always** keep clear of rotating cages/drums, shafts, pulleys, belts, or other rotating parts.

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

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 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. **Always disconnect the power cord** from the electrical source before making any adjustments or changes to power units.
6. If an extension cord is used, the power source **MUST** be equipped with a Ground Fault Circuit Interrupter (GFCI) and properly grounded.

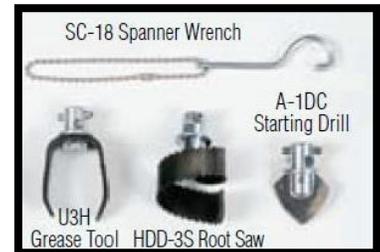
## OPERATING INSTRUCTIONS

**OPERATOR MUST BE FAMILIAR WITH ALL SAFETY INSTRUCTIONS BEFORE USING EQUIPMENT.**

### TOOL SELECTION

It is important to choose the proper cleaning tool for each cleaning application.

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|------------------|---------------------|
| 1. <b>SC-18</b>  | Spanner Wrench      |
| 2. <b>U3H</b>    | Grease Tool         |
| 3. <b>HDD-3S</b> | Root Saw            |
| 4. <b>A-1DC</b>  | Starting Drill Tool |



### FOR AUTOMATIC CABLE FEEDER

1. **WITH POWER OFF**, 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. **NEVER** have exposed cable.
3. Position foot actuator for easy operator accessibility.
4. Make sure **FOR/OFF (Forward/Off)** switch is in **Forward** position.
5. Place one **HEAVY** leather gloved hand on the cable guide spring to control cable as it rotates inside; and use other hand to work the feeder control lever.  
**DANGER:** Operator must keep one **HEAVY** leather gloved hand on cable guide spring at all times during operation.
6. **WITH POWER ON**, in order to feed cable, the operator must move the feeder control lever from neutral (the position midway between FORWARD and REVERSE) to the **Forward** position, while depressing the foot actuator.  
**NOTE:** The speed at which the cable is fed initially can be controlled by moving the control lever toward **Forward** to increase speed and moving back toward **Neutral** to slow speed.  
**NOTE:** If the feeder control lever is initially put in **Forward** but the cable is not advancing, then turn the cable tension knob in a clockwise direction until the cable begins to advance. **DO NOT** over-tighten cable tension knob as it may damage feeder bearings.
7. Continue to automatically feed cable until obstruction is met. When cable begins to drag or rotation becomes difficult, move the lever to the **Neutral** position and allow tool to cut away at the obstruction.  
**DANGER:** **NEVER** force the cable or tool into the obstruction. Choose the proper feeding speed in order to give a smooth cutting action.
8. If tool becomes hung up in the obstruction, move control lever to the **Reverse** position to back out tool.
9. After tool has been removed from obstruction, move control lever back to the **Forward** position and continue to work through obstruction.
10. To retrieve cable from line, move control lever to the **Reverse** position and cable will back out of line and feed into cage.  
**NOTE:** 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 **Neutral** position, place switch in **OFF** position, release foot actuator and allow machine to come to a complete stop. **Disconnect Power Cord.**
12. Pull remaining cable and tool from drain line and hand-feed cable back into machine.

### MAIN SEWER or SEPTIC TANK OVERRUN

Operator should determine the approximate distance from cleanout opening to the main sewer or septic tank.  
**Overrunning cable into these areas can cause cables to twist or knot-up preventing their retrieval.**