

WARNING
AUTO-FEED SEWER SNAKE

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

⚠ WARNING: This product can expose you to chemicals including naphthalene and chromium from petroleum products used on the cable which are 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

Always wear leather gloves. Never grasp a rotating cable with a rag or cloth glove. They could become wrapped around cable and cause serious injury. Always wear Eye Protection whenever operating this equipment.

ELECTROCUTION WARNING

Never break the ground off the plug it will create a dangerous possibly fatal shock hazard
Test the GFCI before each use: One button is appropriately labeled TEST, and one is labeled RESET. Plug in the Snake to a grounded outlet then Press the TEST button, and the GFCI should immediately turn off. If it does not, **Do Not Use this Snake.** Pressing the RESET button will restore power to the circuit.

WARNING AUTO-FEED IS NOT POWER FEED: If the snake binds, STOP and follow the directions on the following pages to free it. Never try and feed the snake in Reverse.



The damage to this snake cable was caused completely from misuse. THE EQUIPMENT PROTECTION PLAN does NOT COVER misuse.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **If** there is any doubt as to the operation or safety of the equipment.

DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!!
FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH

DESCRIPTION/SPECIFICATIONS

NOTE: Always refer to Operating and Safety Instructions before Operating any drain and sewer cleaning equipment.

DESCRIPTION

The ELECTRIC EEL Model CT Drain Cleaning Machine has an excellent reputation for handling Small Drain Problems. This machine is specifically designed for cleaning 3/4 to 2 1/2 inch diameter lines, using cable diameters of 1/4, 5/16, or 3/8 inches, up to 25 to 35 feet long.

- **Unique variable speed motor feature** gives operator maximum cable control and exceptional cleaning power from 75 to 350 RPM with constant torque.
- 1/7 H.P., 90 Volt DC motor for quiet, powerful and dependable operation.
- Two-way auto cable feed keeps hands off rotating cable, advances and retrieves cable with push of a lever.
- Heavy-duty housing protects motor and internal wiring.
- Cable guide hose eliminates cable whipping and helps keep work area clean.
- Stainless steel cable drum will not rust and resists denting.
- Well balanced, heavy-duty steel tubular frame allows for two position operation.
- Build-in GFCI (Ground Fault Circuit Interrupter) on 20 ft. line cord protects operator from electrical shock.
- Air operated foot switch and cord assembly for ease of operation.

MODEL CT SPECIFICATIONS/ STANDARD EQUIPMENT

Motor:

Type.....Belt Driven
Rating.....90V DC
Toggle Switch.....Forward/Reverse
Operating Speed.....75 to 350 RPM
Drain Line Capacity.....3/4" thru 2 1/2"
Weight with 25' - 5/16-25IC Cable and Guide
Hose Autofeed Assembly.....36 lbs.

Cables:

- Constructed of certified music wire. Inner core, (IC) cables have a **genuine** galvanized

aircraft wire inner core for corrosion resistance and long lasting operation.

- Expanded end cables, (E), are available to open kitchen and bath drains or go down vents in 1/4", 5/16", and 3/8" diameters.
- Expanded end inner core cables, (EIC), are specifically designed to break through tough clogs while resisting kinks, and is available in 5/16" and 3/8" diameters.
- Special tools can be easily attached to 5/16" and 3/8" inner core cables, (IC), using a DH-4 swivel fitting, (Drop Head), to enable the cleaning tools to follow the contour of the drain.

Safety Instructions

The following safety rules for operating ELECTRIC EEL the Model C Sewer and Drain Cleaning equipment **MUST** be read and followed carefully before operating this machine.

⚠ DANGER ⚠



To prevent serious injuries including:

- Shock, electrocution or burns due to improper grounding.
- Serious injuries to body, limbs or hands and feet due to cables that twist, kink and break.
- Eye injuries caused by loose cable, thrown debris or splashed water.

READ SAFETY INFORMATION THOROUGHLY!

⚠ DANGER ⚠

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

GENERAL SAFETY

1. **ALWAYS** wear **HEAVY** reinforced leather gloves and **SAFETY** glasses when operating this equipment.
2. Place this machine within 2 feet of inlet between drain 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 CTSewer 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.
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, or other rotating parts.
12. **DO NOT** continue to operate machine when cleaning tool becomes stuck in 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.

*Relieve all tension build-up before attempting to handle cable.



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

GENERAL SAFETY—ELECTRICAL

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 ADJUSTMENTS OR CHANGES TO POWER UNITS, DISCONNECT FROM ELECTRICAL SOURCE.**

THE GROUND FAULT CIRCUIT INTERRUPTER

This machine is equipped with a **Ground Fault Circuit Interrupter** which is designed to prevent a serious electrical shock. This device should be **TESTED** on the job site **BEFORE** putting the machine into operation, as follows:

1. To ensure protection against electrical shock, test the device 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**.
2. 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.
3. **DO NOT** use with an extension cord on the plug end.
4. If an extension cord is used, the power source **MUST** be equipped with a ground fault interrupter circuit and properly grounded.
5. **ONLY** use 14 ga. or larger, three-wire, extension cord, (with ground wire), with three prong grounding plugs and three pole receptacles.
6. When using extension cord outdoors, **ONLY** use those intended for outdoor use. (Indicated on cord by suffix, "W-A", after cord type).

ASSEMBLY INSTRUCTIONS

INSTALL CABLE INTO DRUM

CAUTION: UNPLUG AND DISCONNECT DRAIN CLEANER FROM POWER SOURCE.

1. Use a vise or pair of pliers to make a bend in the tail end of the cable. This bend should be approximately 30 degrees, and located about 1" from the tail end of the cable.
2. Turn Drain Cleaner chuck counterclockwise to open.
3. Insert tail end of cable through chuck jaws or feeder and into drum. Use short (10" to 12" at a time), thrusts to feed remainder of the cable into drum.
4. Turn chuck body clockwise to close chuck jaws securing the cable in the drum if so equipped.
5. If cable feeder equipped, install cable guide hose to front of feeder.

CLEANING DRAIN LINE USING AUTOFEED WITH GUIDE HOSE

1. Place **FORWARD/REVERSE** switch into **FORWARD** position. Keep autofeed close to drain opening, approximately 2" – 6".
2. Hand feed approximately one to two feet of cable into the drain opening.
3. Turn machine **ON** by depressing foot pedal and be sure entire cable is spinning before continuing.
4. Depress the autofeed's feed actuator lever and feed cable into drain.
5. Know how long your run of pipe is prior to cleaning. Running too much cable can damage your equipment and the drain.
6. Feed cable into drain until obstruction is encountered or cable begins to bind up.
7. If cable begins to bind up, release feed actuator lever and pull cable back slightly by hand. Refeed cable into blockage again. If advancing the cable with the autofeed is difficult, discontinue using it and advance the cable by hand until the line clears.
8. Once drain is open and flowing, continue feeding additional cable with autofeed to clean rest of drain.
9. To retrieve cable, stop machine completely.
10. Switch the **FOR/REV** switch to **REV**.
11. Turn machine **ON** and depress the feed actuator lever. It will automatically retrieve the cable from the drain
12. Turn machine **OFF** just prior to cable or tool emerging from drain opening. Retrieve by hand as cable or tool may contain debris and splash work area.
13. If your cable tool/retriever bulb has hooked onto a solid blockage such as a rag or ball or hair, it may be wise to pull the cable out of the drain by hand. Reversing the cable to retrieve it may cause the blockage to unscrew off the cable.

14. The adjustment on the autofeed is the round top adjustment screw under the feed actuator lever. Its purpose is to adjust the distance the feed actuator lever has to be depressed to engage the different size cables. Turn knob clockwise to accommodate the larger 3/8" cable and turn knob counter clockwise to accommodate the 5/16" and 1/4" cable. No adjustment is necessary direct from the factory.

STORAGE

The cable should always be thoroughly cleaned with fresh water and oiled prior to storing the Drain Cleaner.

CAUTION: UNPLUG AND DISCONNECT DRAIN CLEANER FROM POWER SOURCE.

1. Open the chuck and remove the entire cable from the drum.
2. Wash cable thoroughly and allow to dry.
3. Use an oily rag to coat cable with oil.
4. Reinstall the cable into the drum.

MAINTENANCE

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. All plastic parts should be cleaned with a soft damp cloth. **NEVER** use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

CAUTION: Wear Safety Glasses while using compressed air.