

# Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals  
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## Electric Eel Model C 3"-10" Diam. Drain Lines

### Safety Instructions

**WARNING:** ALWAYS TURN OFF MOTOR BEFORE MANUALLY HANDLING CABLE.

#### To prevent serious bodily injury and to avoid danger from rotating cables and equipment:

- Always wear heavy reinforced leather gloves and safety glasses when operating this equipment.
- Place this machine within 8' of inlet, and never add more than one 8' section of cable at a time between sewer opening and machine.
- Never handle any cable under tension - always relieve all tension build-up before attempting to handle cable. Make sure the machine and power are off.
- Use foot switch to operate machine while keeping good footing and balance at all times. Do not overreach.
- Do not wear loose clothing or jewelry.
- The Model C sewer and drain cleaning machine should be operated by one person only.
- Wear rubber-soled non-slip shoes, heavy leather gloves, and eye protection. Always keep the belt guard in place during operation.
- Always avoid direct contact or splashing of drain water on skin, facial area and especially the eyes.
- Always keep clear of rotating drums, cages, shafts, pulleys, belts, or other rotating parts.
- Do not continue to operate machine when cleaning tool becomes stuck in obstruction. Excess torque on a cable could cause it to fracture.
- Reverse rotation if necessary to prevent unnecessary build-up of torque on cable. Keep machine under control at all times.
- Never force a tool and cable into pipeline blockage. This may overload the cable or tool and cause fracture to either the tool or the cable.
- Use correct tool for the job or application.
- To maintain safe and efficient operation, clean thoroughly all cables and tools with water after use.

#### To avoid serious bodily injury and to avoid danger from electrical shock:

- Always use a ground fault interrupted circuit with a properly grounded outlet for all electrical cords, connections, and parts as installed by factory.
- Never use machine in damp or wet conditions.
- Never expose machine to rain.
- The user should never attempt to service the electrical components.
- Before making adjustments or changes to power units, disconnect from electrical source.
- The ground fault circuit interrupter should be tested at the job site before putting the machine into operation:  
When test button is pushed in, the indicator light should go off. Reactivate this 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
- Do not use with an extension cord on the plug end unless the power source is equipped with a ground fault interrupter circuit and properly grounded.
- Only use 14 ga. or larger, three-wire, extension cord (with ground wire) with three-prong grounding plugs and three-pole receptacles.

### Operating Instructions

- 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 the obstruction is reached.
- Use the correct tool for the job or application
- The cleaning tool reduces the obstruction to small pieces, which are then washed downstream by the flow of water. In such cases, after cleaning the obstruction, you should use as much water in the line as possible.
- Check for clean outs - and, where possible, avoid traps by using an opening beyond the trap.
- Connect the proper tool to the first section of cable using a spanner wrench and insert it into the opening of the pipeline that is to be cleaned. If it enters freely, feed it in by hand until an obstruction is met. Then, attach the cable to the machine. BEFORE turning on the motor be sure the reversing switch is on forward.
- 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. If one man is starting the job and it is necessary to use a feeding tool, remove the starting switch from its bracket and use it and the feeding tool.

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- As soon as the cleaning tool is has negotiated the trap, shut off the motor and return the switch to the bracket. Avoid "P" traps in 3" diam. pipelines as they can cause severe cable damage. We recommend our model J cables and cleaning tools for this application.
- 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 2'-3' 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.
- 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. Is 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.
- 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 withdrawn from the pipeline. It is important to wash off the cable in this manner - or with a hose- immediately after the job is completed. This prevents damage to the cable and tools by chemicals present in drains and sewers.
- 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. 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.

#### **Cleaning Tools**

- Cleaning tools fall basically into two categories: 1) starting tools which have drill or spade points and 2) finishing tools which usually are of a flat spring design with serrated edges. 3" and 4" diam. lines can usually be cleaned by using the starting tool to make the initial opening and then using the finishing tool for the second run through the line. Badly blocked lines usually require more than two runs through the line. Progressively larger cleaning tools should be used on each run until the line is cleaned to its original diameter.

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