

## Operating Instructions for

# General Rodrunner

For 3" through 10" lines

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Your Rodrunner is designed to give you years of trouble-free, profitable service. However, no machine is better than its operator. We therefore suggest you read these instructions through carefully before using your machine on the job. This will enable you to operate the Rodrunner more efficiently and more profitably. Failure to follow these instructions may cause personal injury to operator or damage to equipment.

*Note: An instructional video is available for the Rodrunner. It covers operation of the machine as well as safety procedures. Ask your wholesaler for more information.*

### **SAFETY INSTRUCTIONS**

- Be sure that the unit is plugged into **properly grounded** receptacle. If in doubt, check receptacle before plugging in machine. Check the power cord to see that there are no cuts or frays.
- If the power cord supplied with the machine is not long enough, be sure to use 3-wire heavy duty extension cord that is in good condition. Using lighter cords can result in severe power loss and motor overheating.
- Wear rubber boots and rubber glove inserts when work area is wet. Do not operate machine if operator is standing in water.
- This equipment is designed for one person operation only.
- Wear **safety glasses** when operating machine.
- Use **leather gloves only**, not cloth gloves, when handling the cable. A cloth glove might get caught between the coils of the cable while it's rotating.
- Neutralize or remove corrosive drain cleaners from drain before starting. Exposure to these chemicals can cause injury to operator and damage the cable.
- Before starting each job, check that the cable sections are not broken or kinked, by checking for wear or breakage. Always replace worn out (kinked or broken) cables with genuine GENERAL replacement cables.
- Turn off and unplug machine when leaving it unattended.
- Know how to shut off machine in an emergency.

### **GROUND FAULT CIRCUIT INTERRUPTER (GFI)**

Your machine is equipped with a ground fault circuit interrupter which protects you against shock if a short circuit should occur. The GFI should be tested before each use.

1. Plug into 120 volt receptacle.
2. Push test button. Indicator light will go out and power to machine should cut off.
3. If light does not go out when test button is pushed, equipment should not be used until proper repairs can be made.
4. To restore power after test, push reset button.

Keep in mind that the section of cord between the wall plug and the GFI is not in the protected circuit.

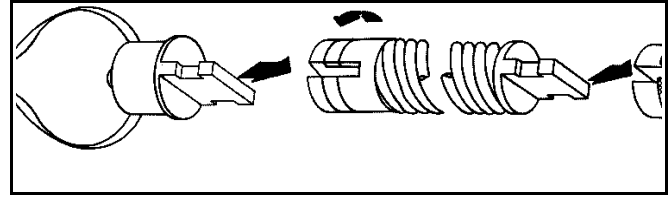
With the reset button depressed, if the machine doesn't start, stops while running, or if the operator experiences a mild shock, **do not use the machine!** Take it to a motor repair center or return it to the factory for repairs.

### **CABLES AND CONNECTORS**

Your machine comes with one of three possible cable connectors; "G" connectors for General<sup>®</sup> cables, "L" Connectors to match Electric Eel-type cables, and "R" connectors to match Ridgid-type cables.

To couple the "G" cables, slide the tab on the male connector into the slot in the female connector, then turn the ring until the button pops up. To disconnect, push the button in with the coupling wrench. Then turn ring until it lines up with slot in connector and slide cables apart.

To couple "L" cables, line up the solid pin in the male connector with the L-shaped notch in the female connector. Depress spring pin and push male connector into female connector. To disconnect, push down the spring pin with coupling wrench. Turn the male connector a quarter turn, then pull cables apart.



To couple "R" cables, put the T-shaped slot in the female connector next to the T-shaped male connector. Slide the two together and the spring pin will snap into place. To disconnect, push coupling key into the hole just below the slot in the female connector, then slide connectors apart.

### CABLE APPLICATIONS

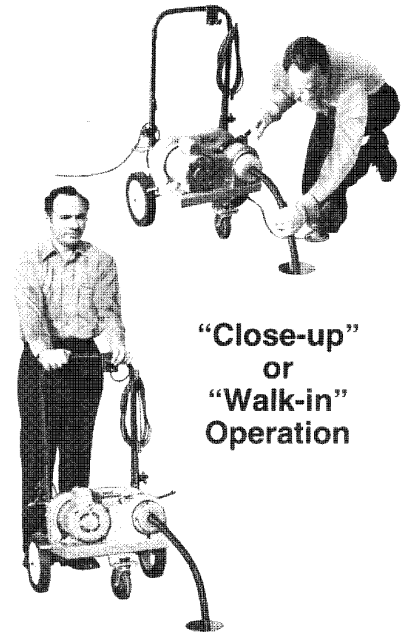
Cable Size	Pipe Size	Typical Applications	Max. Distance
1-1/4"	3" to 10"	Large Lines, Long Runs, Roots	300 ft.
*7/8"	2" to 4"	Medium Lines and Floor Drains	125 ft.

*\*To use 7/8" cables, R-R10AD adapter (optional) must be installed. See "To Clean or Replace Chuck Jaws."*

### "CLOSE-UP" OPERATION

If you will have to operate in a confined space, the Rodrunner should be used in the "Close-up" configuration.

1. Place machine about two feet from the drain opening and lock the brake.
2. Attach the rear guide hose to the prongs at the back of the machine and tighten thumbscrew.
3. Attach a cutter to the female end of a section of cable. Be sure the locking ring is aligned so that the plunger pin clicks into place. The Spear Head or 2" U-Cutter are good tools to start with to get the line open. After water is flowing, switch to the larger cutters.
4. Push the section into the drain opening as far as it will go. Depending on the location of the clog or bends in the line, you may be able to put several lengths of cable into the drain. Slide the other end of last cable inserted into the drain into the chuck as far as it will go.
5. Place air switch on floor beside drain opening.
6. Pull just enough cable from the machine to make a small arc. Push the chuck handle down to lock cable in place. Turn knurled knob to adjust gripping power of chuck.



**"Close-up"  
or  
"Walk-in"  
Operation**

7. Switch the motor into forward. Then, with gloved hands, put one hand on the cable and one hand on the chuck handle. Step on the air switch and the cable will begin to corkscrew its way into the drain.
8. Once the slack is gone, stop. Lift the chuck handle and pull more cable from machine. Push the chuck handle down and run the cable into the drain again.
9. When you are within a few feet of the end of the section, stop. Pull the end of the cable out of the machine and slide a new one in, male end first. Couple the two cables together and continue to run the cable into the drain as before.

### **DO NOT FORCE THE CABLE.**

10. If the cable begins to buckle or twist, stop by taking your hand off the air switch. When you reach some resistance in the drain, switch the motor from forward to reverse and run for several seconds. Then forward again. Allow cable to stop spinning before going in other direction.
11. After the drain is clear, retract the cable by putting the motor in reverse. The cable will corkscrew out by itself. Do not allow too much slack between drain and machine. Lift chuck handle and slide excess cable into machine. Disconnect sections as they emerge from the drain.

### **"WALK-IN" OPERATION**

If you have 12 to 15 feet of clear area around the drain opening to allow the machine to operate safely, the Rodrunner can be used in the "Walk-in" configuration.

1. Attach a cutter to the female end of a section of cable. Be sure the locking ring is aligned so that the plunger pin clicks into place. The Spear Head or 2" U-Cutter are good tools to start with to get the line open. After the water is flowing, switch to one of the larger cutters.
2. Push the section into the drain opening as far as it will go. Depending on the location of the clog or bends in the line, you may be able to put in several lengths of cable.
3. Slide other end of last cable inserted into drain into chuck about a foot. Pull chuck handle down to lock cable in place. Turn knurled knob to adjust gripping power of chuck. Back up machine so that there is no slack or cable will whip.
4. Stand behind machine and press air switch. Machine will move toward drain opening. Allow cable to work its way through drain by itself.

### **Do not force cable into drain by pushing machine.**

5. If you have difficulty getting cable through trap, you can use the optional cable feeding tool. Place air switch on floor beside drain opening. Press cable feeding tool so that it pinches the cable against edge of pipe. With motor switch in forward, step on switch and run machine until cable moves freely into drain.
6. When all but the last two feet of cable have been feed into the drain, stop. Lift chuck handle and remove end of cable. Pull the machine back about ten feet. Attach the female end of the next section to the male end of the one on the drain. Put the male end of the section into the chuck and lock the handle down. Make sure there is no slack in cable before starting again.
7. If the cable begins to buckle or twist, stop by taking your hand off the air switch. When you reach some resistance in the drain, switch the motor from forward to reverse and run for several seconds. Then forward again. Allow cable to stop spinning before going in other direction.

8. After drain is clear, retract the cable by putting machine in reverse and backing machine away from drain opening. Allow cable to move out of drain at its own rate. Disconnect sections as they emerge from drain.

### **TO CLEAN OR REPLACE CHUCK JAWS**

1. Loosen screws holding chuck cover in place and remove cover.
2. Remove RD-201-C limit screw so that chuck handle will slide past hole. Chuck cone will slide back allowing the chuck jaws to pop out.
3. Clean jaws. Replace if worn.
4. Place jaws in holes in clutch body. Pull chuck handle down. Chuck cone will slide forward to hold jaws in place. Then replace limiting screw.
5. Replace chuck cover.

### **TO ADJUST SAFETY CLUTCH**

The safety clutch is located at the back of the chuck assembly. It's designed to protect your cables against brakeage and is factory preset at 100 in. lbs. of torque. Under normal usage of your machine, no adjustments need to be made to the clutch.

the clutch face. To increase or decrease clutch slippage, loosen the screw in the collar and turn collar until you obtain desired tension. Then tighten the screw in the collar.

If you find it necessary to change the clutch tension remember, the clutch is on your machine to protect your cables! Don't tighten to the point where sections will be damaged before the clutch slips.

### **MAINTENANCE**

To keep your machine operating smoothly, it is essential that all bearings and cables be lubricated. Oiling moving parts is particularly important where machine comes in contact with sand, grit and other abrasive material.

To get maximum service from your cables, be sure that they are well oiled. Our SNAKE OIL is ideally suited for this purpose, since it not only lubricates the cables, it disinfects and deodorizes them.