



Upgrade · The Home Creator Way

Pipe Drain Cleaner Machine

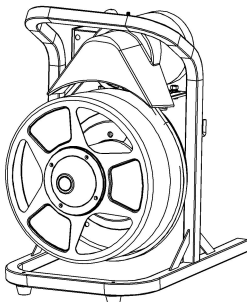
Model: RC-9002F/RC-9002J/RC-9002G

VEVOR Support Center

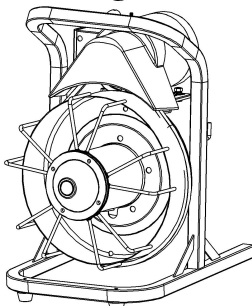
1	RC-9002F(NA)		2	RC-9002F(EU)	
3	RC-9002F(AU)		4	RC-9002J(NA)	
5	RC-9002J(EU)		6	RC-9002J(AU)	
7	RC-9002G(NA) 50FT 1/2IN		8	RC-9002G(EU) 50FT 1/2IN	
9	RC-9002G(AU) 50FT 1/2IN		10	RC-9002G(NA) 75FT, 1/2IN	
11	RC-9002G(EU) 75FT, 1/2IN		12	RC-9002G(AU) 75FT, 1/2IN	
13	RC-9002G(NA) 75FT, 3/8IN		14	RC-9002G(EU) 75FT, 3/8IN	
15	RC-9002G(AU) 75FT, 3/8IN				

Model: RC-9002F/RC-9002J/RC-9002G

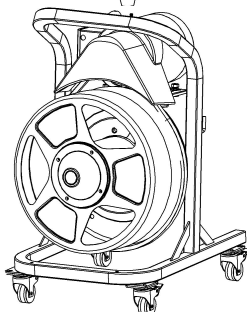
RC-9002F Pipeline Dredger



RC-9002G Pipeline Dredger



RC-9002J Pipeline Dredger



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

INTRODUCTION

Thank you for purchasing our products. Committed to providing customers with the best quality products and service has always been our lifelong goal. Before using the product, please read this instruction manual carefully to ensure correct use. Keep the instruction manual in a place where the user can find it at any time.

SAFETY INSTRUCTIONS

Safety symbols and warning words are used to convey important safety information in this operator's manual and on the machine. This section will help you improve your understanding of these safety symbols and warning words.



This is a safety alert symbol used to remind or warn you of potential danger or personal injury. Please follow all safety instructions to avoid possible injury or death.



DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Caution indicates a hazardous situation which, if not avoided, may result in moderate or minor injury.

NOTICE

Attention indicates information related to protecting property safety.



This symbol indicates that you should read the operator's manual carefully before using the machine. The operator's manual contains important safety information and correct operating methods.



This symbol indicates that safety glasses with shields and eye protection should be worn at all times when using the machine to reduce the risk of eye injury.



This symbol indicates the danger of hands, fingers or other parts of the body becoming entangled in the wire rope of the drain cleaner.



This symbol indicates a risk of electric shock.



This symbol indicates the risk of becoming entangled in belts and pulleys.

Safety Tips

warn!

Please read all safety precautions and instructions carefully. Failure to follow these safety instructions may result in could result in electric shock, fire, or serious personal injury.

Please keep these safety precautions and safety instructions in a safe place.

Workplace Safety Considerations

1. Keep the workplace clean, tidy, and well-lit. A cluttered and dim environment can easily lead to safety accidents. Prevent fires.
2. Do not operate power tools in flammable or explosive environments, such as in the presence of flammable or explosive liquids, gases, or dust. Power tools may generate sparks that may ignite these dusts or gases.
3. When operating the machine, keep irrelevant personnel (including children, bystanders, non-workers, etc.) away from the work site. Irrelevant interference will affect your correct use of the tool.

Electrical safety

- Grounded tools should be plugged into a properly grounded outlet. Never change the plug or use any other adapters. If you suspect the outlet is not grounded, have it checked by a qualified electrician. If an electrical fault occurs, the grounding provides less resistance, allowing the current to flow directly to the ground rather than through the operator.
- Avoid contact with grounded surfaces such as metal pipes, radiators, metal cabinets, and refrigeration equipment. Contact with grounded surfaces increases the risk of electric shock.
- Do not expose power tools to rain or moisture as this increases the risk of electric shock.
- Do not damage the power cord at the power strip. Do not use the power

cord to drag or pull a power tool. Keep the power cord away from heat, oil, sharp edges, or moving objects. Damage to the power cord or entanglement with other objects increases the risk of electric shock.

- Use a power strip suitable for outdoor use, such as one marked with the “WA” or “W” symbol. This will reduce the risk of electric shock.

Personal safety precautions

1. When using power tools, maintain a clear mind and focus on the task at hand. Do not use power tools while fatigued or under the influence of drugs, alcohol, or other drugs. A moment's inattention can result in serious injury.
2. Dress appropriately. Do not wear loose clothing or jewelry. Keep your clothing, hair, and gloves away from moving parts. Loose clothing, jewelry, and long hair can easily become caught in moving parts.
3. Do not turn on the power tool unconsciously. Make sure the switch is turned off before plugging it into the socket. When you are carrying a power tool and your finger accidentally touches the switch to turn it on, it may cause a safety accident.
4. Any adjustment tools, such as wrenches, etc., must be removed before the machine is started. These tools can be caught in the moving parts of the machine, which is very dangerous and can easily cause personal injury.
5. Keep your body balanced and do not lose your balance when operating the machine. This will help you better control the tool in unexpected situations.
6. Use personal protective equipment (PPE) correctly and always wear safety glasses. PPE includes dust masks, non-slip safety shoes, hard hats, or thermal protection. Proper use of these protective equipment will reduce the occurrence of personal injury accidents.

Tool use and maintenance

1. Don't overuse tools. Use them for the job they were designed for. Choosing the right tools for the job you're designing will yield twice the result with half the effort and is safe.
2. If the machine's switch does not work properly, stop using the machine. Any equipment with a non-working switch is dangerous and must be repaired immediately.

3. Always disconnect the power cord before adjusting the tool, changing accessories, or storing it. These measures can prevent the risk of accidentally starting the tool.
4. When storing power tools, be careful not to let unauthorized persons, especially children, get to them. Power tools are very dangerous for trained personnel.
5. Carefully maintain the tool to ensure the cutting edge of the dredging head is sharp. Proper maintenance and keeping the cutting edge sharp can reduce the cable tangles and make it easier to control the cable.
6. Check the tool regularly for incorrect positioning of moving parts, damaged components, or other damage that may affect the tool's operation. If any damage is found, repair it before use. Many accidents are caused by improper maintenance of tools.
7. Use only recommended accessories. An accessory that is suitable for one tool may be dangerous for another.

Serve

- Machine maintenance services must be provided by personnel who have passed the manufacturer's assessment, otherwise injury accidents may occur.
- Please strictly follow the instructions in the operating manual to use the machine and replace the accessories according to the manufacturer's instructions. Otherwise, electric shock or injury may occur.
- Disconnect all power connections before performing maintenance work to avoid electric shock and accidental start-up operations. Other safety precautions

warn!

This section contains important safety information for this tool.

Please read these safety information carefully before using the drain cleaner.

Electric shock, fire or serious personal injury may occur. Please keep these safety instructions carefully!

Safety in using a drain cleaner

1. Please wear the leather gloves . Do not wear rags or cotton gloves to hold the dredging cable. This may cause you to be caught in the dredging

cable and cause injury.

2. Do not operate the machine with the belt protection cover removed. Your fingers may be caught in the belt and pulley and be injured.

3. Do not allow the dredging head to stop rotating while the machine is running. This will cause excessive stress on the wire rope, resulting in torque, knots or even breakage, which may cause serious injury.

4. Use gloved hands to operate the wire rope so that your hands can feel the movement of the wire rope, thereby preventing the wire rope from torqueing, knotting, or even breaking, etc., and avoiding injury accidents.

5. The machine should be two feet away from the pipe inlet. Too much distance will cause the wire rope to twist and kink.

6. The machine is designed for single-person operation. The operator can control the foot switch and cable by themselves. Once the dredging head stops rotating, the machine must be stopped to prevent the cable from torqueing, tangling, or even breaking, which could cause injury.

7. Do not operate the machine in reverse unless specifically mentioned in the manual. Reversing can easily damage the wire rope, which is usually used to push the dredging head out of the blockage.

8. Do not touch the moving cable drum and guide tube with your hands. Do not reach into the drum unless the plug is unplugged and the machine is stopped. Otherwise, your hands may be injured by the rotating parts.

9. Do not wear loose clothing or jewelry, and keep your hair and clothing away from moving parts. Loose clothing, jewelry, and hair can easily be caught in moving parts and create danger.

10. Wear appropriate personal safety equipment when operating and using a drain cleaner. Sewers often contain hazardous substances that can be harmful to the human body. Appropriate personal safety equipment includes safety glasses, gloves, and any other safety equipment such as a face mask, rubber gloves, protective blankets, steel-toed boots, etc.

11. Maintain personal hygiene, wash your hands and other parts of your body with hot soapy water, and do not eat or drink while doing the dredging work to avoid inhaling toxic substances.

12. Do not operate the machine in water or place it in water for use, as this will increase the risk of electric shock.

13. Follow the operating specifications to clear the pipes that match the machine's working capacity. Any other changes to the machine's use will increase the risk of various dangerous accidents.

SAVE THIS MANUAL

Product overview, technical parameters and
standard configuration

Product Overview

RC-9002G dredging machine with the corresponding steel cable can dredge pipes with a diameter of 2 " -4 "(for 3/8" steel cable).

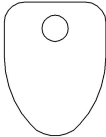
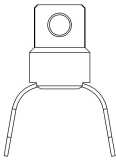
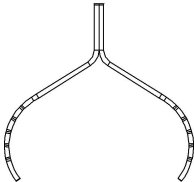
RC-9002G dredging machine with the corresponding steel cable can dredge pipes with a diameter of 2 " -6 "(for 1/2" steel cable).

RC-9002F RC-9002J dredging machine with the corresponding steel cable can dredge pipes with a diameter of 2 " -6 ".

RC-9002F 9002G 9002J drum can hold 3/8 " × 75 feet and 1/2 " × 50 feet and 1/2 " × 75 feet of wire rope.

integrated into the wiring and the motor can be turned on/off by a pneumatic foot switch.

Accessories List

	Olive-type rotary drill		Spade-type cutting drill
	C-type cutting drill		Arrow Cutting Drill

Olive-type rotary drill	The most commonly used cleaning head, suitable for pipes and drains with tight or multiple bends. Puncture or drill through obstacles caused by textiles, paper, fiber materials, kitchen grease, etc.
Spade cutting drill	Suitable for removing oil stains and residues on pipe walls
C-type cutting drill	For cutting and removing tough obstacles or removing sludge deposits
Arrow Cutting Drill	Used to clear blockages such as tree roots, branches, debris or grease in pipes

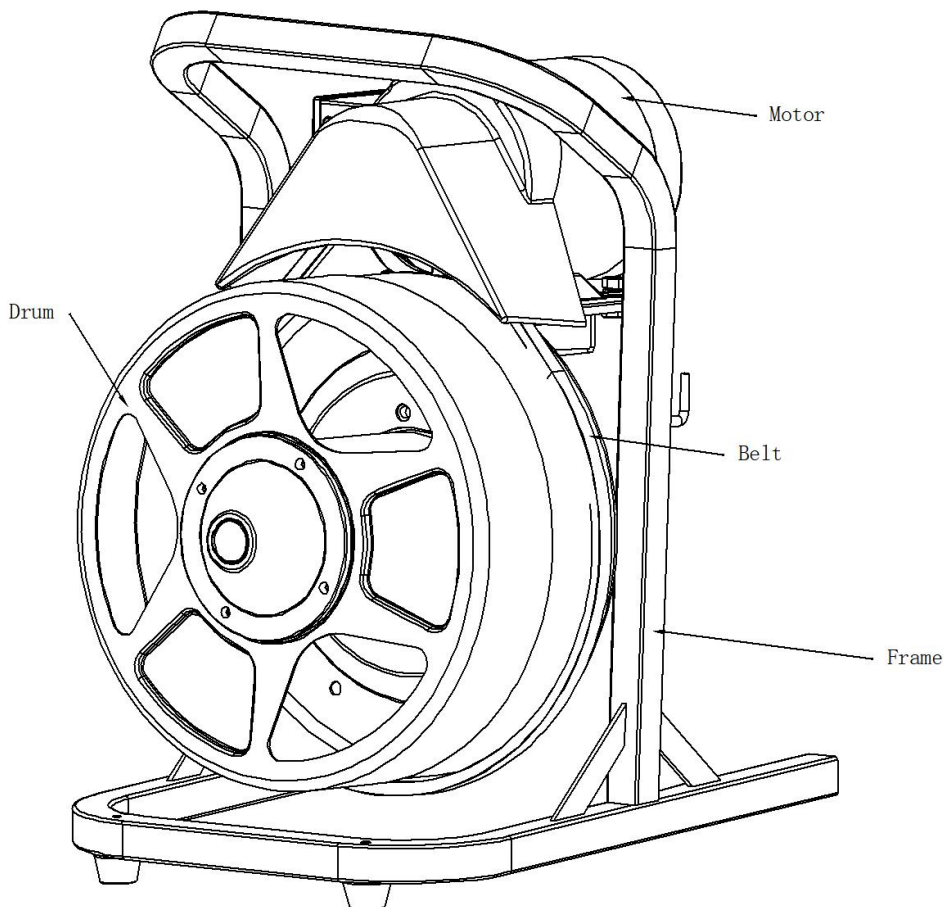
Pipeline application scope

Diameter of dredge spring	Olive Rotary drill	Shovel Cutting drill	Type C Cutting drill	arrow Cutting drill	Limit torque value of dredge spring
9.5mm (3/8in)	50-100mm (2-4in)	50-100mm (2-4in)	50-100mm (2-4in)	100-200mm (4-8in)	8N/M
12.7mm (1/2in)	50-100mm (2-4in)	50-100mm (2-4in)	50-100mm (2-4in)	100-200mm (4-8in)	10N/M

The RC-9002F, 9002G, and 9002J models can be used to unclog pipes of corresponding sizes. If the pipe design, construction, and installation are sound and the blockage is not severe, using them is effective and will not damage the equipment. It is recommended that you use an endoscope to determine the extent of the blockage before using the dredge . Dredges cannot clear all blockages.

Schematic diagram of the whole machine

In order to reduce the occurrence of injury accidents, please check whether the drain cleaner components are complete according to the figure below .



The machine model includes an open drum. The inspection steps are the same as the above picture. Please refer to the actual machine model for details.

Machine inspection



Before using the machine each time, please check the machine according to the following steps to avoid unnecessary accidents, such as electrical Hit, cable twisted, broken, etc.

Always wear safety glasses, drain cleaner gloves, and other appropriate protective gear, such as chemical protection, liquid-resistant gloves worn over drain cleaner gloves, etc.

1. Check the gloves used for the dredging machine to make sure there are no damage, wear and loose parts, otherwise these parts can easily get caught in the wire rope and cause danger. Gloves can protect your hands from being injured by the rotating wire rope. If the gloves are damaged, worn or have loose parts, please replace them with new gloves before using the dredging machine.
2. Check the power cord, leakage protector and plug. If the plug is damaged, deformed or missing the grounding head, or the wire is damaged, please replace it immediately and stop using the machine.
3. Clean the oil, grease and dust on the handle and control parts, which can reduce the occurrence of various hazards and facilitate control machine.
4. Make sure there is a foot switch and it is correctly connected to the machine. Do not use the machine without the foot switch.
5. Check if the machine is assembled correctly. Check if any moving parts are in the wrong position, or if any parts are damaged or other
If there is any damage that may affect the normal use of the tool, please make sure to repair it before use.

6. Check that the warning labels on the machine are attached to the machine and are clearly readable. Do not operate the machine without the warning labels.

7. Check that the belt guard is securely installed and functioning. Do not operate the machine with the belt guard missing.

8. Clean the debris from the dredging head and the cable, and check for wear or damage. The inspection includes:

- Wear - The cable is made of round steel wire. If the outer circle becomes flat, it is severely worn and needs to be replaced.

- Cable kinks — A cable that is not perfectly straight and has slight bends is acceptable. A kink indicates a bent cable with wide gaps between loops. Bends less than 15° can be straightened. However, any kinks in the cable will accelerate cable damage. Therefore, any severe kinks should be replaced immediately.

- Gap between wire rope loops - If the gap is greater than 3mm, it means the wire rope is deformed, which is caused by twisting, knotting, stretching or machine reversal. If the gap is greater than 3mm, the wire rope should be replaced immediately.

- Corrosion – This is caused by the wire rope being stored in a humid environment or being attacked by chemicals.

This will damage the cable and should be replaced immediately.

All of the above factors can cause the cable to twist, knot or break. Make sure the cable is fully returned to the outside.

Do not expose more than 2 inches of the wire rope to avoid whipping people when starting the machine and causing injuries.

9. Check whether the edge of the dredging head is sharp, otherwise you need to replace the dredging head with a sharp edge.

The dredging effect causes the steel cable to bend, knot, or even break.

10. Make sure the switch is in the OFF position.

11. Insert the plug into the socket with dry hands. To reduce the risk of electric shock, make sure all electrical connections are Keep all parts dry and off the ground. Do not touch them with wet hands. Make sure the wires have leakage protection and are functioning properly. When the test button is pressed, the indicator light will go out. Press the

reset button to reset the system. If the indicator light comes on, the machine is ready for use. If the function fails, stop using the machine.

12. Put the switch in the forward (CW) position, press the foot switch, and check the direction of rotation of the cable drum.

If the switch does not work, have it repaired and do not use the machine.

The cable drum should rotate clockwise when viewed from the front of the machine. This can be seen on the machine's warning label and the arrow marking on the drum. Release the foot switch to stop the machine. Set the switch to reverse (CCW) to determine the direction of rotation of the cable drum. If the cable drum is not rotating in the correct direction, stop the machine and have it repaired.

13. After the inspection is completed, turn the switch to OFF and unplug the power cord with dry hands.

Machine and work area setup

Always wear safety glasses, drain cleaner gloves, and other appropriate protective gear, such as chemical protection, liquid-resistant gloves worn over drain cleaner gloves, etc.

Before each use of the machine, follow the steps below to set up the machine and work area to avoid unnecessary accidents.

occur:

1. The workplace should meet the following requirements:

- Adequate lighting.
- No flammable or explosive gases, liquids or dusts.
- The working area should be dry, level and stable. Do not support the machine in a water area and the operator should not stand in water.
- Socket with protective earthing.
- Clean the area where the wires pass and make sure there are no substances that can damage the wires, such as heat sources, grease, sharp objects or other moving objects.
- The path for transporting the machine to the work site must be clear.

2. Check the pipe to be cleared, if possible, find the starting point, the elbow, the clearing distance, the distance to the main pipe, and the distance to the main pipe.

Distance and blockage conditions, chemicals, etc. If chemicals are involved, understand their composition, safety precautions, etc., and contact their supplier if necessary. If necessary, remove facilities such as water basins that may interfere with the operation of the dredging machine and damage the wire rope.

3. Choose the right dredging equipment:

Diameter of dredge spring	Olive Rotary drill	Shovel Cutting drill	Type C Cutting drill	arrow Cutting drill	Limit torque value of dredge spring
9.5mm (3/8in)	50-100mm (2-4in)	50-100mm (2-4in)	50-100mm (2-4in)	100-200mm (4-8in)	8N/M
12.7mm (1/2in)	50-100mm (2-4in)	50-100mm (2-4in)	50-100mm (2-4in)	100-200mm (4-8in)	10N/M

4. Confirm that the machine has been inspected.

5. If necessary, you can lay a protective mat on the ground because the dredging operation is very dirty.

6. When carrying the machine, use normal routes, ensuring the handles are upright and securely fastened. If lifting the machine vertically, use correct posture and movements. If carrying the machine up stairs, be careful not to fall, and wear appropriate protective shoes.

7. The machine should be two feet away from the inlet. Too long will cause the cable to twist and tangle. If this is not practical, you can use a pipe of appropriate size to connect to the inlet, and then the cable will enter the pipe through the extension tube to clear the pipe. Improper cable protection measures may cause the cable to twist, tangle or even break, or injure the operator.



Figure 1

(The image is for reference only and may differ from the original appearance)

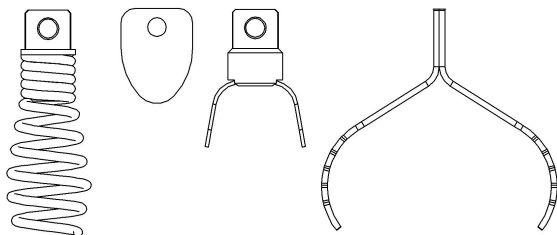
8. Make sure the rubber block at the bottom is in contact with the ground to increase the stability of the machine.

9. There are no obstacles in the inspection work area and no unauthorized personnel in the work area.

The operator will be disturbed by the personnel.

10. Choose the right dredging head. If you don't know the situation of the blockage, choose an olive-shaped dredging head to judge the
Once you know the condition of the blockage, choose the appropriate dredging head.

The blockage should be removed, and then the pipe should be completely cleared with a large-sized dredging head. The largest size of the dredging head should not exceed the inner diameter of the pipe minus
Remove the 1 inch value.

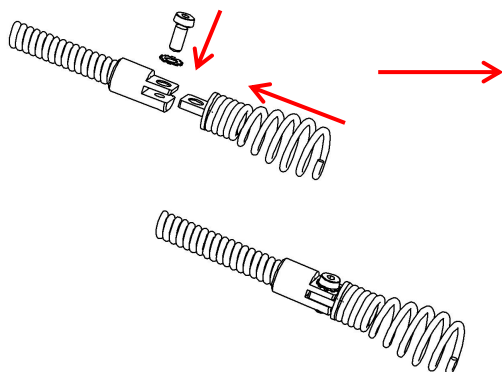


The dredging head includes:

- Olive-type rotary drill
- Spade cutting drill
- C- type cutting drill
- Arrow cutting drill

The choice of dredging head depends on the condition of the pipe to be dredged and the judgment of the operator.

11. Install the dredging head.



Insert the cleaning head into the spring connector slot and screw in the M6 screws to install the effect.

12. Place the foot switch for easy operation and the CW /OFF/ CCW switch for easy operation.

13. Make sure the CW /OFF/ CCW switch is in the OFF position.

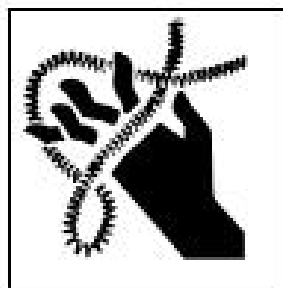
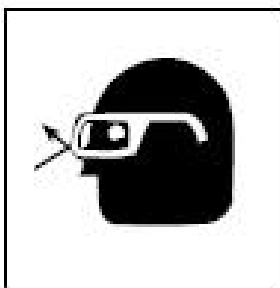
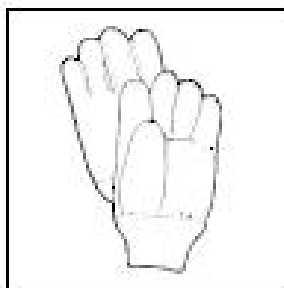
14. Insert the plug of the drain cleaner into the socket and check that the place where the wire passes through has been checked according to the above method.

If it is not long enough, you can use a terminal block that meets the requirements.

- Use a three-prong plug. Refer to the previous section on electrical safety.
- Check that all electrical equipment components are intact.
- The electrical wires meet the standards for outdoor use.
- Ensure the wires are of sufficient diameter (18AWG or 3 x 0.75 in). If they are too small, the wires may overheat, melting the insulation and potentially burning nearby objects. When using a power strip, ensure it has a leakage protection feature. The machine's leakage protection feature does not protect the operator from electric shock from the power strip. If the power strip does not have a leakage protection feature, it is best to use a plug with a leakage protection feature to reduce the risk of electric shock.

Steps

WARNING



Please wear the gloves provided. Do not use cloth gloves or other loose cloth to hold the dredge rod, as this may cause
Involved and hurt.

Wear safety glasses to protect your eyes from dust and foreign matter.
Wear non-slip shoes with rubber soles.

If the pipeline contains chemicals, please wear appropriate protective equipment, such as masks, respirators, etc. Additional chemicals
Protective equipment also includes liquid isolation gloves, etc. Rubber
non-slip boots can prevent slipping and electric shock, especially in wet
conditions.

More practical in the environment.

Follow the procedures in this manual to reduce the risk of injury from wire rope twisting, breaking, whipping, machine tipping, chemical burns, or other
It causes the harm.

1. Ensure that the work area and machine are set up correctly and no unauthorized personnel are in the work area.

2. Pull the cable out of the drum and extend it into the pipe as far as you can. Make sure at least 1 foot of cable is in the pipe.

This will prevent the wire rope from being thrown out of the pipe after startup and causing whiplash injuries.

3. Correct operating posture:

- The foot switch should be operable and can be removed quickly. Do not depress the foot completely.
- Make sure you maintain good balance.
- At least one hand should be able to manipulate the cable and feel its movement.
- Can control CW /OFF/ CCW switch.



Figure 2

(The image is for reference only and may differ from the original appearance)

4. Put the switch CW /OFF/ CCW in CW position, do not step on the foot switch. CW /OFF/ CCW only means

The direction of rotation of the cable, not its direction of movement. Do not reverse the direction except in specific circumstances, as reversing the direction may damage the cable.

Manual search

(Note: This model is manual, and the extension and retraction of the spring must be manually operated. The function of the motor is to drive the spring to rotate and increase the dredging effect)

Use gloved hands to pull out a 6-12 inch long wire rope from the drum and manually feed it into the pipeline. Improper operation may cause the wire rope to become tangled, twisted, damaged, or injure the operator. (See Figure 2)

Start inserting the steel cable into the pipe

1 foot of cable in the pipe , then press the foot pedal and slowly feed the cable into the pipe by hand.

The machine is operated by one person. Never operate the cable while one person steps on the foot switch. This will cause the cable to twist, knotting or breaking of the rope may cause injury accidents. It is difficult for the cable to pass through bends or traps. The following techniques can be used:

- The first method: When the cable is rotating or not rotating, push the cable downward with force to help the dredging head pass through the elbow.
- The second method: When the cable has advanced a long distance, you can reverse it for a few seconds to feed the cable through the bend.
- The last method: Please use a smaller diameter steel cable or a more elastic steel cable, or other types of drain cleaners.

Unclogging pipes

6-12 inch long wire rope from the drum with your gloved hands and manually feed it into the pipe.

If you feel the cable slows down or becomes deformed, the cable may have encountered a bend, a problem, or a problem with the cable.

If the water is bent or blocked, do not let the cable grow longer outside the pipe, as this will cause knots, twists, or even
To break.

Pay attention to the length of the cable entering the cable, the cable enters the larger sewer pipe or switches to enter the smaller pipe size,
It is easy to cause the wire rope to get tangled and prevent the wire rope from running out of the pipeline. Try to minimize the risk of the wire rope passing through pipelines of different sizes.
The problem arises.

Clear the blockage

If the dredging head is inserted into the blockage and cannot rotate, the cable will be twisted because the machine is still running, and
It is getting more and more serious. You need to pull back the cable to make the dredging head withdraw and release the stress of the cable.
Stop the dredging head from rotating while still running the machine to cause the cable to twist.

If the blockage is cleared, return the dredging head and let it rotate in the blockage to continuously break up the blockage until it is cleared.

The head can be bent and rotated freely.

After the blockage is cleared, the steel cable and the dredging head may be filled with dirt, affecting the normal work. In this case, the steel cable and the dredging head need to be returned.

Clean up this garbage.

Dealing with the dredge in the clog

If the dredging head enters the blockage and cannot rotate or withdraw, release the foot switch and hold the steel

Otherwise the cable will get tangled, twisted and broken. The motor stops and the drum rotates to release the tension in the cable.

Release the tension in the cable until all tension is released, then release your hands. Set the switch CW /OFF/ CCW to the OFF position.

Release the plug from the clog

When the dredging head is stuck in the blockage, set CW /OFF/ CCW to OFF , release the foot switch, and use your hands as much as possible to open the blockage.

Pull the cable out of the obstruction. If it cannot be pulled out, set CW /OFF/ CCW to CCW position, hold the cable with both hands, Press the foot switch and turn it for a few seconds to withdraw the cable. Do not continue to use CCW after withdrawing the dredging head . This will damage the cable. Put the gear in CW and continue working.

Recycling Cable

Once the pipe is completely cleared, you can use water to flush out the blockage, but pay attention to changes in water flow, as it may This will cause the pipe to become clogged again.

As the water flows through the pipe, the cable can be retrieved. CW / OFF / CCW is set to CW and does not reverse.

Lower the reel cable. Use both hands to reel the cable into the drum. Each reel cable should be approximately 6-12 inches long. Rinse The water flow in the pipe can also clean the wire rope. Continue to retract the wire rope, and when the dredge head is about to come out, release the foot pedal.

Do not rotate the machine and remove the dredge head directly from the pipe, as this will cause Whiplash injury.

the switch to OFF , unplug the cable, pull the remaining cable out of the pipe and put it into the drum.

If necessary, replace the dredging head and continue other work. It takes several times to dredge the pipe completely. pipeline.

Maintenance Instructions

Before maintaining or adjusting the machine, make sure the machine switch is turned off and the plug is unplugged from the socket. Always wear safety glasses and drain cleaner gloves when performing maintenance work.

Steel Cable

Rinse the cable with clean water after use to prevent corrosion from various chemicals used to clean the pipes. Periodically apply a rust inhibitor for maintenance. Once the cable is dry and clean, return it to the drum and wipe off any excess rust inhibitor with a cloth.

Do not apply rust preventative to a rotating cable. Cloth and hands may get caught in the cable and rust preventative may spread everywhere.

clean

You can use hot soapy water to clean the machine, but do not let water enter the motor or other electrical components. Make sure it is completely dry before plugging it in for use.

lubricating

Lubricate the motor according to its requirements.

Generally speaking, the dredging machine does not require lubrication.

When the cable drum is removed and replaced, the bearings need to be lubricated.

Belt removal / installation

1. Remove the belt protection cover and do not use the drain cleaner without the cover.
2. Remove the belt from the drum and pulley and slide it back toward the frame .
3. Remove the two screws on the drum bearing seat, move the cable drum and bearing seat forward, and remove the bearing seat and bracket. Remove the belt in between.
4. Follow the reverse steps to install a new belt.

Replace the steel cable

Replace damaged or worn cables

Remove the cable from the drum

1. Remove the excess cable from the drum through the bracket.
2. Loosen the screws that secure the end of the cable to the cable drum wall.
3. Remove the end of the cable and discard the waste cable.

Installing new cables

1. To make the cable installation easier, completely unwrap the new cable coil and carefully remove the cable packaging. The cable has elastic. The drum has a 30- degree, 4- inch bend at the end to help the cable enter. Drum.
2. Insert the steel cable into the drum along the curved pipe. The cable should be wound in a clockwise direction (see Figure 4).

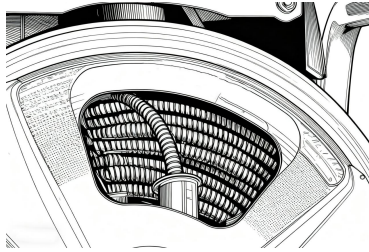


Figure 3

(The image is for reference only and may differ from the original appearance)

3. The end of the steel cable is fixedly connected to the drum with screws .
4. Tighten the fixing screws.
5. Coil the remaining cable into the drum.

Machine storage requirements

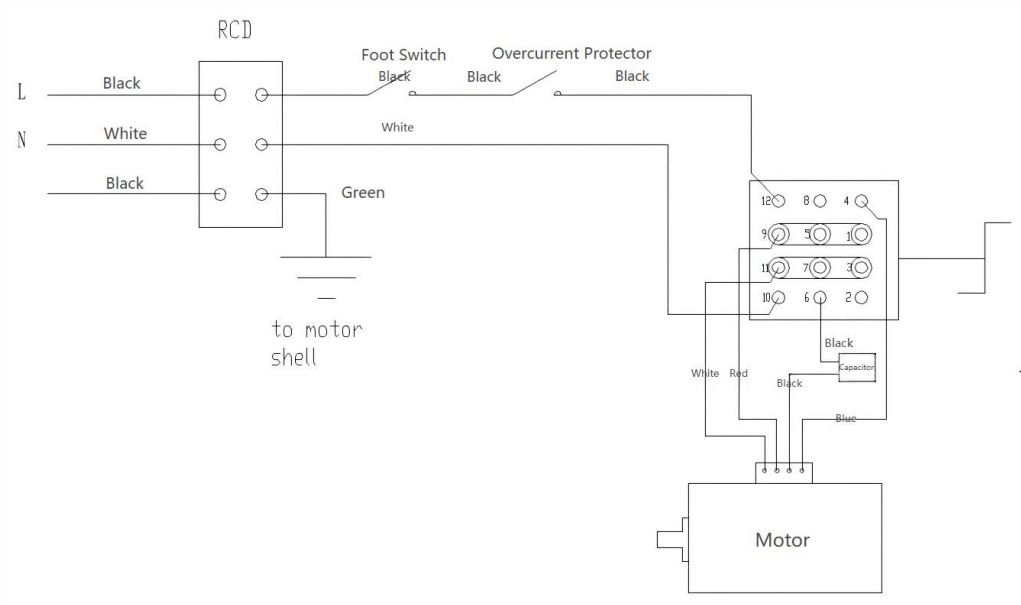
Motor-driven electrical equipment and cables should be stored indoors and protected from rain. The machine should be locked up and stored to prevent access by untrained personnel or children. This tool can cause serious injury to untrained personnel.

Troubleshooting

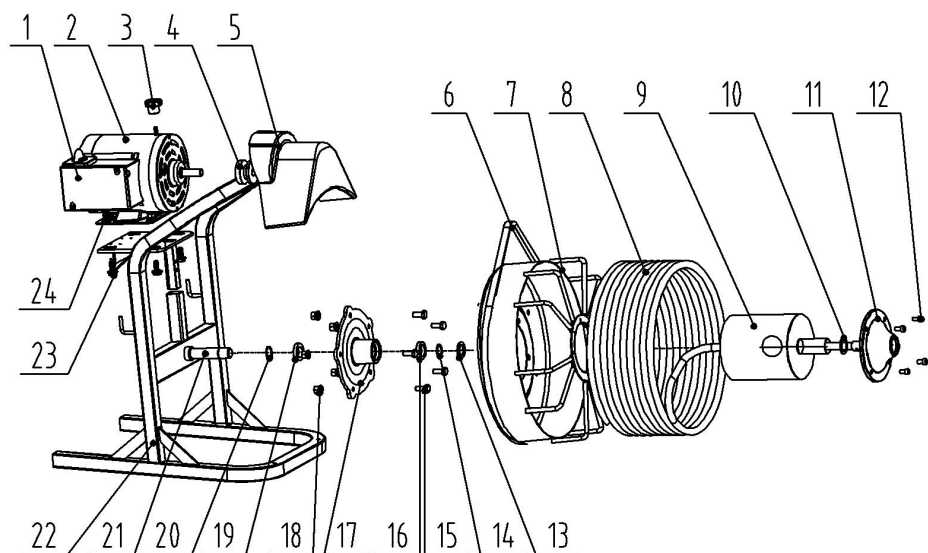
question	reason	Workaround
The cable is tangled or broken	Excessive force on the cable.	Do not force the cable, let the dredge head work normally.
	The cable does not match the pipe size.	1/2 " fits 2" to 6" pipe. 3/8 " fits 2 " to 4 " pipe.
	The motor rotates in reverse.	The reverse function is only used when the dredging head is stuck in the blockage.
	The steel cables were corroded by acid.	Clean and lubricate the cables regularly.
	The steel cable is badly worn.	Replace the cable with a new one.
	The cables are not properly supported.	Support the wire rope correctly; refer to the operator's manual for instructions.
When the foot switch is pressed, the drum does not rotate. When it is pressed again, it restarts.	There is a problem with the pedal or hose.	Replace defective parts.
	The switch is faulty.	Replace the switch.
The drum can only rotate in one direction.	The reversing switch is faulty.	Replace the switch.
When the power is plugged in or the	The power cord is damaged.	Replace with new wires.
	Motor short circuit.	Go to a professional repair center for repair

foot switch is stepped on, the grounding protection is disconnected. open.	There is a problem with the ground protection circuit breaker function.	Replace the electrical wiring and ground loop disconnect device with new ones.
	The motor is damp, the switch box or the plug is broken.	Go to a professional repair center for repair.
The feed mechanism does not work.	The cable feed mechanism is not cleaned and is clogged with impurities.	Disassemble the cable feed mechanism every month for cleaning.
	The cable feed mechanism is not lubricated.	Perform lubrication maintenance every week.
The machine shakes or moves while working	The cable is not fed evenly.	Advance the rope evenly.
	The rubber block of the handle does not touch the ground.	Lower the handle to the lowest position.
	The ground is uneven.	Place on flat ground.
The motor turns, but the cable drum does not move.	The wire rope is subjected to excessive force, exceeding the torque limit setting value and causing slippage.	Do not overload the cable.
	The belt is not on a cable drum or pulley.	Reinstall the belt.

Circuit diagram



Exploded view



Serial number	name	Serial number	name
1	Junction Box	19	bearings
2	Main motor	20	circlip
3	Belt cover knob	21	spindle
4	pulley	22	frame
5	belt cover	23	screw
6	belt	24	Nut
7	roller		
8	spring		
9	Inner drum		
10	gasket		
11	Drum outlet		
12	screw		
13	gasket		
14	Clamp		

15	gasket		
16	bearings		
17	Spindle flange		
18	screw		

Manufacturer: Jinhua Runchn Tools Co.,Ltd.

Address: No.188 Jiangxing North Street, Jiangdong Town, Jindong District,
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