



Electric Sewer Jetter

User Manual





Introduction

- 2 Using the Operators Manual

Product Identification

- 2 Recording Machine ID Numbers

Safety

- 3 Understanding the Machine Safety Labels
- 4 Safety Rules & Machine Specs
- 5-8 Warnings and Precautions

Operation

- 9-10 Starting the Machine
- 10 Checking & Changing Oil
- 11 Shutting Down the Machine
- 12 General Precautions
- 13 Troubleshooting



Attention: Read through the complete manual prior to the initial use of your sewer jetter.

Using the Operator's Manual

The operating manual is an important part of your sewer jetter. It should be read thoroughly before initial use and referred to often to make sure adequate safety and service concerns are being addressed.

Reading the owner's manual thoroughly will help avoid any personal injury or damage to your machine. The information in this manual will offer you the most effective tools for cleaning as well as the safest. By knowing how best to operate this machine you will be better positioned to show others who may also operate the unit.

Notice

Actual pressure released at the point of discharge may vary by machine due to varying factors including: Volume of water being fed to the machine by the water source, the inclusion of a chemical injector in the line, or variations in motor performance

Record Identification Numbers

If you need to contact an authorized dealer or customer service line for information on servicing, always provide the product model and identification numbers.

You will need to locate the model and serial number for the machine and record the information in the places provided below.

Product Identification Numbers
Model Number:
Serial Number:

Date of Purchase:
Dealer Name:
Dealer Phone:

Understanding the Machine Safety Labels






The machine safety label shown below is placed on your machine to draw attention to potential safety hazards.

Caution - To reduce risk of injury, read operating instructions carefully before using.

Warning - Risk of injection or injury to persons or animals - Do not direct discharge stream at persons or animals.

**Store Indoors
Cold Water Use ONLY**


WARNING!

	Do not leave unit running longer than 1 minute without using or pump will overheat
	Do not let unit freeze.
	Always wear eye protection.
	High pressure sprays can cause serious bodily injury. Use with caution.
	Warranty is void if you exceed preset pressure causing severe damage to gauge or unloader.



SAVE THESE INSTRUCTIONS

Safety Rules

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death. The safety alert symbol () is used with a signal word (DANGER, CAUTION, WARNING), a pictorial and/or a safety message to alert you to hazards.

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

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



CAUTION indicates a hazard which, if not avoided, might result in minor or moderate injury.


NOTICE indicates a situation that could result in equipment or property damage.



Machine Specs


Models	AM350E-01, AM350E-02, & AM350E-03
Max Volume	1.6 GMP
Max Pressure	1500 PSI
Single Phase Motor Power	1.5 HP
Hose Length	25' Leader Hose
Cord Length	23' Power Cord
Weight	49.0 lbs
Oil Capacity	14 oz
Oil Type	SAE30 Non-Detergent Oil


Warnings and Precautions

 WARNING	
	Use of sewer jetter can create puddles and slippery surfaces.
<ul style="list-style-type: none">• Operate sewer jetter from a stable surface.• The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.• Be extremely careful if you must use the sewer jetter from a ladder, scaffolding, or any other similar location.• Allow equipment to cool before touching.	

WARNING	
	Risk of electrocution. Contact with power source can cause electric shock or burn.
<ul style="list-style-type: none">• NEVER spray near a power source.	

 WARNING	
	Starter and other rotating parts can entangle hands, hair, clothing, or accessories.
<ul style="list-style-type: none">• NEVER operate sewer jetter without protective housing or covers.• DO NOT wear loose clothing, jewelry or anything that may be caught in the starter or other rotating parts.• Tie up long hair and remove jewelry.	

⚠ WARNING	
	<p>The high-pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury and possible amputation.</p>
<ul style="list-style-type: none"> • DO NOT allow children to operate the sewer jetter. • NEVER repair the high-pressure hose. Replace it. • NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal. • NEVER connect high pressure hose to nozzle extension. • Keep high pressure hose connected to machine while system is pressurized. • ALWAYS point jetting hose in safe direction away from people or animals. • NEVER aim jetting hose at people, animals, or plants. • DO NOT leave machine unattended. • Always be certain nozzles and accessories are correctly attached before spraying water. 	

⚠ WARNING	
	<p>Risk of eye injury. Spray can splash back or propel objects.</p>
<ul style="list-style-type: none"> • Always wear safety goggles when using this equipment or in vicinity of where equipment is in use. • Before starting the sewer jetter, be sure you are wearing adequate safety goggles. • NEVER substitute safety glasses for safety goggles. 	

NOTICE	
<p>High pressure spray may damage fragile items including glass.</p>	
<ul style="list-style-type: none"> • NEVER aim jetting hose at plants. 	

NOTICE

Improper treatment of sewer jetter can damage the machine and shorten its life.

- If you have questions about intended use, contact your nearest authorized dealer, call our support line, or visit our website.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate sewer jetter above rated pressure.
- DO NOT modify sewer jetter in any way.
- Before starting sewer jetter in cold weather, check all parts of the equipment to be sure ice has not formed.
- NEVER move machine by pulling on hoses. Use the handle provided on units' frame.

WARNING



Risk of electrocution.

This unit must be connected to a properly grounded outlet.

- NEVER spray near a power source.
- DO NOT use an adapter or remove the third grounding prong.
- To reduce the risk of electrocution, keep all connections dry and off the ground.
- DO NOT touch plug with wet hands.



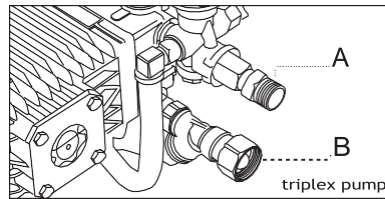
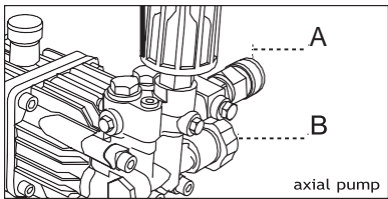
Warnings and Precautions

1. Make certain the motor switch is in the “OFF” position.
2. Ensure electrical supply is identical to the specifications listed on the sewer jetter data plate.
3. **GROUNDING INSTRUCTIONS:** This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
4. **DANGER:** Improper connection of the equipment-grounding conductor can result in a risk of electrocution. Check with a qualified electrical or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug – if it will not fit the outlet, have it proper outlet installed by a qualified electrician. Do not use any type of adapter with this product.
5. **GROUND FAULT CIRCUIT INTERUTER PROTECTION:** This jetter may be provided with a Ground Fault Circuit Interrupter (GFIC) built into the plug or the power supply cord. Test the GFIC each time it is plugged into an outlet according to instructions on the GFIC. **DO NOT** use the jetter if the test fails! The GFIC provides additional protection from the risk of electric shock. Should replacement of the plug or cord become necessary, use only identical replacement parts that include GFIC protection.
6. **WE DO NOT RECOMMEND THE USE OF EXTENSION CORDS.** If use of an extension cord is unavoidable, it must be plugged into a GFCI found in circuit boxes or protected receptacles. Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole cord connectors that accept the plug from the product. Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking “acceptable for use with outdoor appliances; store indoors while not in use.” Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cord and do not pull on any cord to disconnect Keep cord away from heat and sharp edges. Always connect or disconnect the extension cord from the receptacle before connection or disconnection the product from the extension cord.
7. Ensure the area between the jetter and outlet is kept dry.
8. Insert the male plug into a grounded AC outlet. **DO NOT** use an adapter **OR** remove the grounding plug!

How to Start Your Sewer Jetter

To start your sewer jetter for the first time, follow these instructions step-by-step. This starting information also applies if you have let the sewer jetter sit idle for at least a day.

1. Place sewer jetter near a water source capable of supplying water at a flow rate greater than 3.8 gallons per minute and no less than 20 PSI at pressure washer end of garden hose. DO NOT siphon supply water.
2. Make sure unit is in a level position.
3. Connect garden hose to water inlet on jetter pump.
4. Attach the other end of the high-pressure hose to high pressure outlet (A) on pump. Pull down on collar of quick connect, slide onto pump, and let go of collar. Note that some pumps require the hose to be threaded on. Tug on the hose to ensure connection is secure.





*Pump Uses SAE30 Non-Detergent Oil



5. Turn Water Supply on if you have not already done so. Be sure to point the hose in a safe direction, away from people and animals.
6. Take a final look at all connections to make sure there are no leaks or loose connections. If there are any leaks in hoses, they must be replaced.

IMPORTANT: DO NOT siphon standing water for the water supply. Use COLD WATER only (less than 100°F/38°C). Hot water will damage seals and compromise the integrity of your pump.

7. Attach the garden hose to the water inlet. Tighten by hand.
8. To start the machine, locate the ON/OFF switch on the side of the motor, and switch it to the ON position.

IMPORTANT: Before starting the sewer jetter, ensure you are wearing adequate safety goggles.

 WARNING	
	<p>Risk of eye injury. Spray can splash back or propel objects such as rocks, dirt, and other debris.</p>
<ul style="list-style-type: none"> • Always wear safety goggles when using this equipment or while in vicinity of where equipment is in use. • Before starting the jetter, be sure you are wearing adequate safety goggles. • NEVER substitute normal glasses for safety goggles. 	

 WARNING	
	<p>The high-pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury.</p>
<ul style="list-style-type: none"> • DO NOT allow CHILDREN to operate sewer jetter. • NEVER repair high pressure hose. Replace it. • NEVER repair leaking connections with sealant of any kind. Replace the o-ring or seal. • NEVER connect high pressure hose directly to the spray nozzle. • ALWAYS point jetting hose in a safe direction. • NEVER aim hose at people, animals, or plants. • DO NOT leave machine unattended when it is running. • ALWAYS be certain that nozzles and accessories are correctly attached. • Failure to do so can result in damage to the unit or bodily harm. 	



Changing & Checking Oil

- The level of oil must be check periodically.
- The first important oil change must be carried out after the first 20 hours of use. It should be changed every 150 hours of use afterwards. We recommend that the oil is changed at least once a year with SAE 30W Non-Detergent Oil.

Shutting Down Your Electric Jetter

How to Shut Your Sewer Jetter Down

1. After blockage has been cleared, turn off water supply.
2. Turn the engine switch to the OFF position.
3. ALWAYS point jetting hose in a safe direction.

 WARNING	
	The high-pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury.



General Precautions

1. Never remove jetter hose from the drain line while electric motor is running or hose is pressurized.
2. Read manual thoroughly before operating any electric jetting machine.
3. Unsafe operation of this machine may result in serious bodily injury or damage to the machine.
4. Learn proper operation instructions before use.
5. Always wear safety goggles, face shield, and rubber gloves when operating machine.
6. Never spray water toward the eyes or skin.
7. Never expose any skin cuts to drains and sewer cleaning equipment. Drains and sewers carry bacteria, and the possibility of infectious disease exists.
8. Always wear non-skid footwear.
9. Never leave equipment unattended once you have turned it on. If you must leave, shut the equipment off and relieve the pressure.
10. Avoid contact with eyes, ears, or mouth to lower risk of bacterial infection.
11. Never let children or untrained adults operate the machine. Children should not be allowed in operating area.
12. Never point end of hose at people or animals while operating.
13. Never wear loose fitting clothing while machine is in use.
14. Never operate machine when fatigued or tired.
15. Always place machine and controls in a stable accessible position for safe operation.
16. Never exceed limitations of equipment or accessories.
17. Always lift with your legs, not your back.
18. Make sure the main voltage is the same as shown on the ID label on the machine.
19. Make sure the plug complies with your local regulations and that it is provided with ground connection.
20. The power outlet must be protected by a residual current circuit breaker that has a sensitivity of 30 milli-amp.
21. Do not connect other appliances to the same outlet. Insert the plug after making sure that the switch on the machine is in the OFF position.



Troubleshooting

Problem	Cause	Correction
Pump running normally, but pressure does not achieve rated values	Pump is sucking in air Valves worn or dirty Unloader packings worn Nozzle incorrect or worn Worn piston packing Dirty filter	Check that hoses and fittings are air tight Check, clean, or replace Check and replace Check and replace Check and replace Check and clean
Fluctuating Pressure	Valves worn or stuck Pump sucking air Worn piston packing Dirty filter	Check, clean, or replace Check that hoses and fittings are air tight Check and Replace Check and clean
Pressure drops after period of normal use	Nozzle worn Valves worn, dirty, or stuck Unloader packing worn Worn piston packing Dirty Filter	Check and replace Check, clean or replace Check, clean or replace Check and replace Check and clean
Pump Noisy	Pump Sucking Air Valves dirty or worn Worn piston packing Water top hot Dirty Filter	Check that hoses and fittings are air tight Check, clean or replace Check and replace if necessary Reduce Temperature Check and clean
Presence of water in oil	High humidity in air Piston packing and oil seal worn	Check and change oil twice as often Check and replace
Water dripping from under the pump	Piston packing worn The o-rings of piston guide or retainer worn	Check and replace Check and replace
Oil Dripping	Oil seal worn	Check and replace
The motor does not start when switched on	The plug not well connected or lack of power supply	Check plug, cable, and switch
When switching on the unit, the motor hums but does not turn on	The main voltage is insufficient, lower than the minimum required The pump stuck or frozen Incorrect extension cord	Check that the main power supply is adequate Check, clean or replace Check and replace