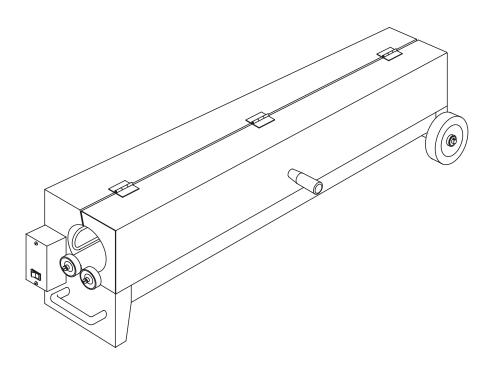


Current Tools[™] Model 451 — ½" to 4" PVC Heater



Operating, Maintenance, Safety and Parts Manual

08/11 REV. 3



Read and understand this material before operating or servicing the PVC Heater. Failure to understand how to safely operate and service this unit could result in serious injury or death.

This manual is free of charge. All personnel who operate the PVC Heater should have a copy of this manual and read and understand its contents. To request a copy, call or write to the address below.

RETAIN SAFETY INFORMATION -



This manual should be read and understood by all personnel who operate or service the PVC Heater. Failure to understand how to safely operate and service this unit could result in injury or death. This unit should only be operated by qualified personnel.

🔊 IMPORTANT SAFETY INFORMATION

- ALWAYS wear hand protection when operating this equipment and when bending PVC conduit. Use handle to open and close the PVC heater door.
- DO NOT use in wet conditions. DO NOT expose to rain or moisture.
- DO NOT use near flammable materials.
- DO NOT leave PVC heater unattended.
- Turn PVC heater off when not in use.
- Use for heating PVC conduit only. DO NOT use for any other purpose.
- Use only for PVC conduit sizes specified.
- Operate only in a well ventilated area.

The electric plug on this PVC Heater includes a grounding conductor as shown. Do NOT modify the plug. Only connect the unit to a 20 AMP GFCI protected receptacle which is properly installed and grounded to meet all applicable electrical codes. Do NOT use an adapter.

A WARNING A

ELECTRIC SHOCK HAZARD! Only connect the PVC Heater to a 20 AMP GFCI protected circuit. Do NOT modify the plug which is provided with the unit. Failure to follow these warnings can result in serious injury or death.





PLUG

RECEPTACLE

SPECIFICATIONS — 451 PVC Heater

Model No. — 451

Capacity — ½" to 4" PVC conduit

Power — 115 volts AC, 20 amps, 60 hz, 2300 watts

Dimensions — 8 %" x 12 %" x 56"

Weight — 50 lbs.

MATERIALS NEEDED

- Sponge or clean cloth
- · Bucket with clean water
- Insulated gloves

OPERATING INSTRUCTIONS — 451 PVC Heater

- 1. Place PVC conduit heater on a flat, dry surface. Plug heater into GFCI protected receptacle. Turn switch to ON position. Switch will illuminate when unit is on.
- 2. Put on insulated gloves.
- 3. After warm-up period, (approximately 10 min.) place conduit on rollers inside unit and close door using handle.
- 4. Slowly rotate conduit by hand until pliable. To test, lift one end of the PVC conduit. Conduit is ready when it has a glossy appearance and bends when lifted.

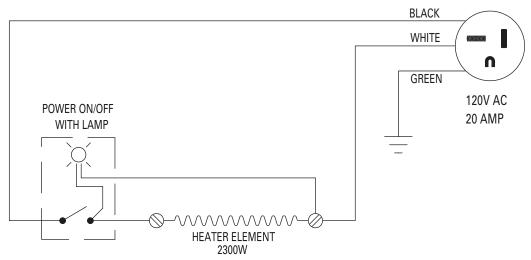
NOTE: PVC conduit MUST be rotated to provide even heating and to prevent scorching.

NOTE: PVC conduit will take approximately 30 seconds to heat for each ½" of PVC conduit diameter. (Example: 2" PVC conduit will heat in approximately 2 minutes.)

5. Open the heater door using the handle and remove conduit from heater and place on a clean, flat surface. Hand bend to desired angle. The bend can be set by allowing to air cool or decrease this time by rubbing the bend with a sponge soaked in cool water. NOTE: Be sure to keep all liquids away from the PVC Heater and turn unit off when not in use.

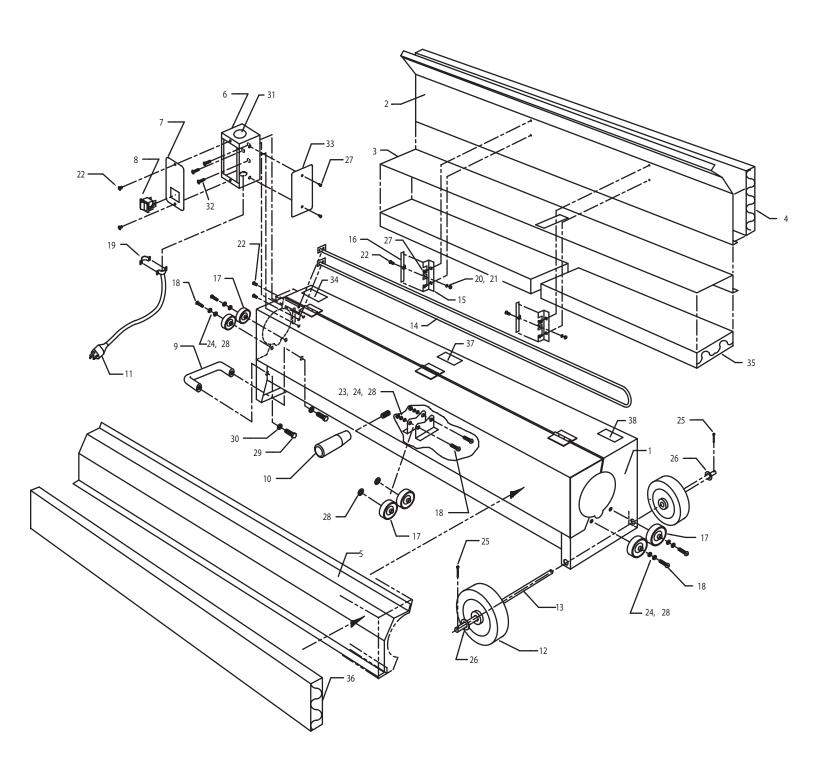
PVC CONDUIT HEATER ACCESSORIES

• To prevent flattening and crimping during the bending process, Current Tools plug sets are recommended for 2" and larger PVC conduit.



WIRING SCHEMATIC

EXPLODED VIEW451 PVC HEATER





ITEM#	PART#	QTY	DESCRIPTION
1	451-014	1	HOUSING FAB (SEE BREAKDOWN)
2	451-157	1	BACK SHIELD
3	451-156	1	BOTTOM SHIELD
4	451-9A	1	INSULATION-2" THICK (10"W X 52"L)
5	451-158	1	DOOR SHIELD
6	451-112	1	ELECTRICAL BOX
			COVER-ELECTRICAL BOX
8	451-19	1	SWITCH
9	450-11	1	PULL HANDLE
			DOOR HANDLE
			POWER CORD
			WHEEL
13	451-670	1	AXLE
14	451-057	1	ELEMENT
			RETAINER BRACKET
			RETAINER CLIP
			SKATE WHEEL
			SLT RD HD MACH. SCREW 1/4-20 X 11/4"
			STRAIN RELIEF
			#10 FLAT WASHER
			#10-32 HEX NUT
			SLOTTED MACH. SCREW #10-32 X %"
			1/4-20 HEX NUT
			1/4" LOCK WASHER
			½" FLAT WASHER
			RIVET-¾16 X ¼ (SS)
			8 X 12 HEX HD. CAP SCREW
			M8 LOCK WASHER
			DECAL – NO WATER
			SLT RD HD MACH. SCREW 10-32 X $^{3}\!\!/_{4}$ "
			HEAT SHIELD
			DECAL – DANGER
			INSULATION-2" THICK (7"W X 24"L)
			INSULATION-1" THICK (8½"W X 52"L)
			PLATE – CAUTION HOT
			PLATE – SERIAL NUMBER
39	451-16	1	DECAL – OPERATING INSTRUCTIONS (NOT SHOWN)