

These Instructions are for the following models: HMHR-1101, Mega-110, CT-1100, HMRF-1140.

Wick replacement should be performed on a completely cool heater after the cartridge tank has been removed and the remainder of the kerosene in the heater has been burned off.



### Step 1

Open the tank cover and remove the cartridge tank.



### Step 2

Remove the batteries from the heater.



### Step 3

Open the front grill and remove the chimney.



### Step 4

Remove the wick adjuster knob by pulling it off.



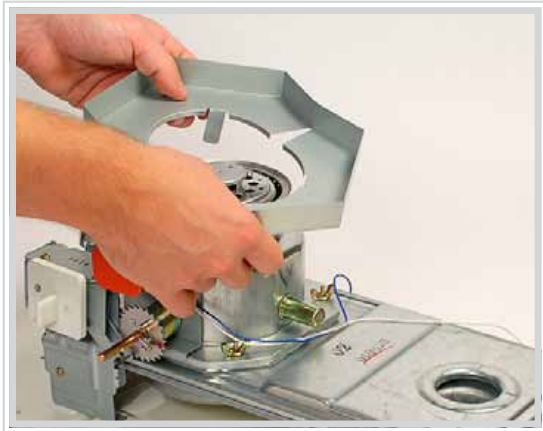
### Step 5

Unscrew 3 screws from the bottom on each side of the cabinet.



### Step 6

Carefully lift off the cabinet.



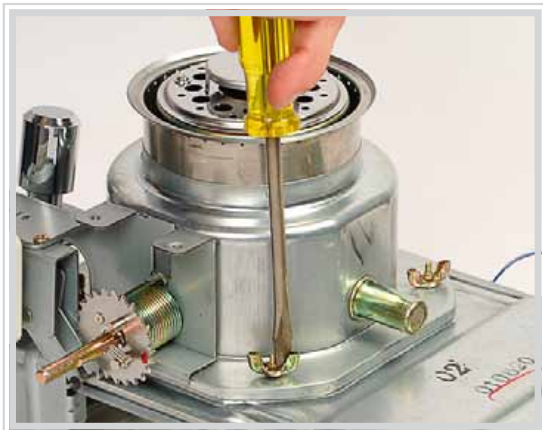
### Step 7

Unscrew the screw which holds the wind cover and take off the wind cover.



### Step 8

Remove the automatic ignition assembly by unscrewing 2 screws.



### Step 9

Unscrew 4 wing nuts.



### Step 10

Lift off the wick adjuster assembly.



### Step 11

Remove the wick with wick holder from the wick assembly.



### Step 12

Remove the wick from the metal holder by folding it inward.



### Step 13

Replacement wick has a black line. Fold the new wick and slide it into the holder up to the line. The black line on the outside of the wick should match the top edge of the holder. Then carefully press the wick against the teeth inside the holder to obtain a firm grip.



### Step 14

Slide the wick back into the Assembly: insert the pinion on the inside of the wick control shaft into top portion of the rack of the wick holder.



### Step 15

Replace the wick adjusting knob on its shaft and check to see that the spring of the wick adjuster assembly is free of torque (has no tension).



### Step 16

Check to see that the gasket is still in place on the burner tank and slide the wick and holder back on the draft tube. Rotate them 90 degrees left and right and up and down until the wick slides freely. Position the adjuster shaft to the front of the heater. Make sure  $\frac{3}{4}$  turn tension on the spring is kept.



### Step 17

Slide the manual shut off lever to the left so that its latch may engage with the ratchet and use the knob to rotate the wick control shaft clockwise by  $\frac{3}{4}$  turn. This rotates the ratchet clockwise by  $\frac{3}{4}$  turn. Hold the latch to prevent the safety shut off device from being activated.



### Step 18

Make sure  $\frac{3}{4}$  turn tension on the spring is kept. Turn the knob clockwise and counter-clockwise a few times to make sure the wick travels up and down smoothly.





### Step 19

Snug but do not tighten 4 wing nuts on the mounting studs, then raise the wick to the full "up" position, and evenly tighten wing nuts in several steps.



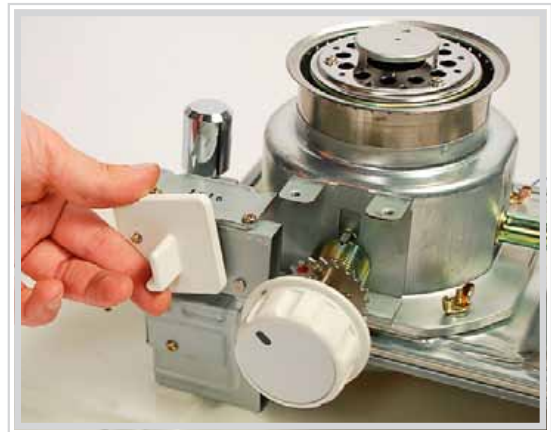
### Step 20

Check height of wick (8+-1mm).



### Step 21

Check for correct clearance between wick holder and draft tube (all around). This can be done easily using a 5/32 or 3/16 dia. drill bit.



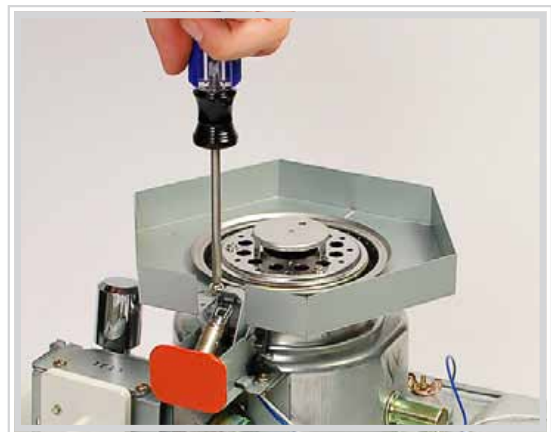
### Step 22

Check the function of safety shut off mechanism by lifting the manual shut off lever or upsetting the pendulum.



### Step 23

Reinstall the automatic ignition assembly.



### Step 24

Replace the wind cover.



### Step 25

Remove the wick adjusting knob once again, if it was reinstalled at step (9), then replace the cabinet and tighten 3 screws on the cabinet.



### Step 26

Reinstall the chimney and the cartridge tank. Close the front grille and replace the wick adjusting knob. Install the batteries in the battery case. Fill the cartridge tank with clean, pure 1-K kerosene. Replace the tank in the heater and wait at least 60 minutes for kerosene to fully saturate the new wick.