



266-939 Wind Cup Kit

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INTRODUCTION

The Heathkit Models ID-1890, ID-4001, and ID-5001 Digital Weather Computers were the 'state of the art' in the 1970's. We had designed the weather sensors from scratch and the plastic injection mold for the wind cups was a complicated close and twist type of mold. The original mold has been retired and can no longer be used to re-create these original plastic parts.

We have contracted a well known plastic injection molding company to create replacement wind cups that, when assembled, will replace the original one piece set. In addition, we have selected a newer material that should last much longer than the PVC type of material that was originally used. This new material has glass fiber added to the plastic material that will increase its strength and a UV inhibitor that should reduce the aging caused by exposure to the sun. The biggest advantage is that, with this new wind cup design, any individual broken cup can now be replaced for much less cost than having to replace the entire wind cup assembly.

This is our first plastic Heathkit replacement part. We plan on building the molds for many other original parts. Your input is welcome as we decide what the next items might be.

We hope you enjoy the work that we have put into supporting the Heathkit ®™ Vintage line and look forward to expanding our offerings for other models.



CAUTION!

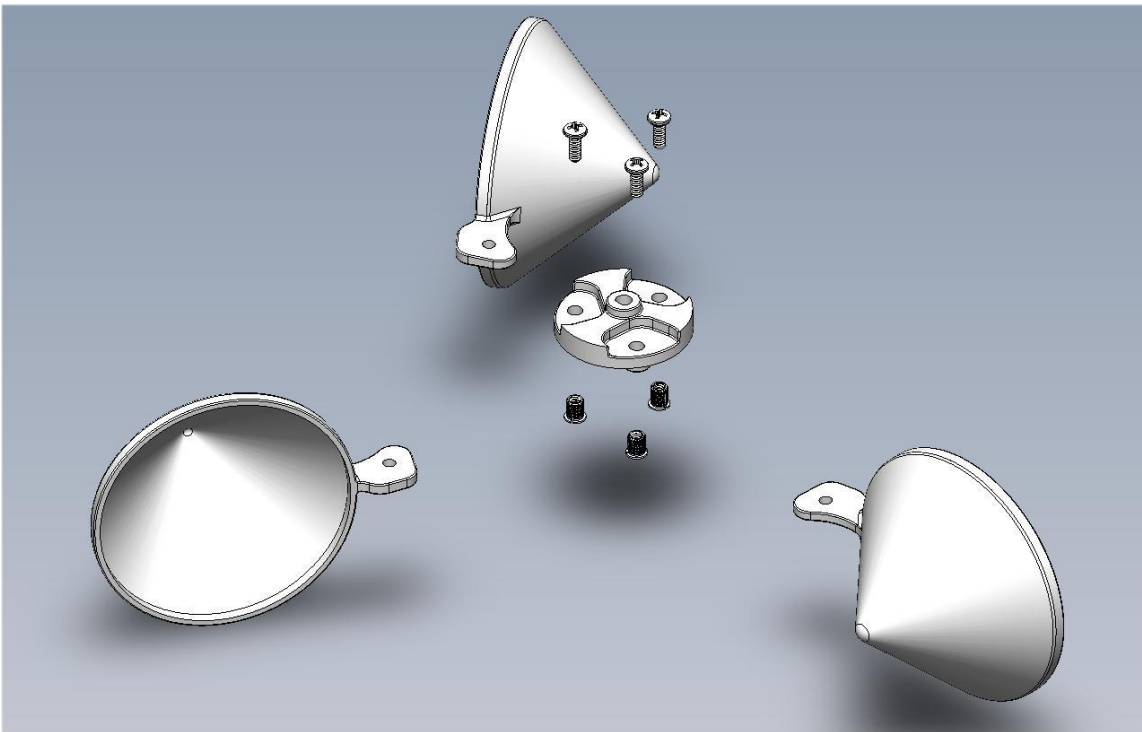
When any electrical device is connected to power, there are potentially lethal voltages inside. Never work on any electrical unit when it is connected to power. Do not attempt to service any electrical item unless you are properly trained and qualified to do so. If you are not familiar with this unit, or are not comfortable working with electronic components, seek a qualified service technician to make the modifications for you.

ASSEMBLY

The kit is comprised of three wind cups, the center hub, three Stainless Steel screws, three Brass plastic expansion nuts, one replacement Stainless Steel Acorn nut, and one rubber washer.

Begin by locating the three Brass plastic expansion nuts and inserting them into the hub assembly from the bottom. They can only be inserted one way with the flange exposed toward the bottom of the hub. Use pliers to squeeze the insert into the plastic.

Next, locate each of three individual wind cups and mount them to the top of the hub using one of each of the three Stainless Steel screws. Tighten, but do not over-tighten. You do not want to damage the plastic or the brass expansion nuts.



INSTALLATION

Once the wind cups have been assembled, you can install them on the original wind cup shaft using the rubber washer and Stainless Steel Acorn nut to hold the wind cups in place. Observe the locking 'flat' located within the hub and align to the 'flat' located on the shaft. Place the rubber sealing washer over the exposed threads and attach the Stainless Steel Acorn nut to hold the assembly in place.

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