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A BLIMP IN FLIGHT

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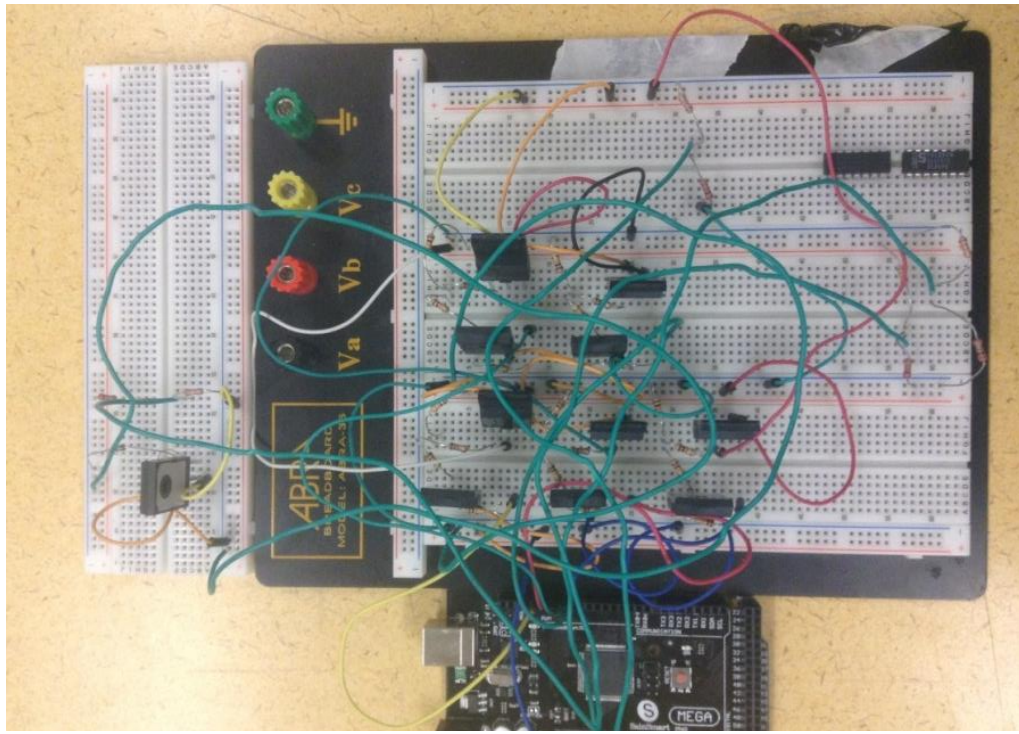
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About This Guide

THE CURCUIT PRONTO BOARD

The UAV blimp is a solar-powered vehicle capable of extended flight due to its unique shape and power structure. The fuel requirements of traditional gas powered blimps are inefficient as those blimps cannot stay in the air as long as the UAV blimp. To separate the SkyHiTech blimp from other solar powered blimps, the SkiHiTech blimp will feature a solar panel that is able to rotate to ensure maximum exposure to the sun, which will greatly increase efficiency.

This manual is intended for consumers and experienced engineers in the field of solar power design. Some portions of this manual may not be suitable for consumers, since some tasks require advanced electrical and computer knowledge.

Maintenance

Despite the SkyHiTech blimp's revolutionary design, the blimp's power system can experience difficulties and does require occasional maintenance. Performing regular maintenance will ensure a more efficient and long last power system. This manual covers the maintenance of the following components:

- Solar panels
- Wires
- Batteries
- Solid-State relays

Troubleshooting

Some problems may not be avoided from diligent maintenance. While the components of the blimp's power system are not fragile, damages and errors can occur and thus this manual covers the following devices that may experience problems:

- The motor
- Power
- Solar Panels
- Batteries
- Micro-computer
- Circuit board

Disclaimer

Due to a privacy agreement signed by the authors of this manual some pictures have acted as replacement pictures and are therefore not a proper representation of the labeled component.

NOTES

Notes are like tips, in that they do not have to be read. But, like tips, they will make your life easier if you take a look at the provided information.

TIPS

Tips are bits of information that do not have to be read; however, you will benefit from knowing these extra pieces of information since they will make your life easier.

LINKS

Here is where you will find external links to other websites. These links will provide you with more information than can be found in this manual.

WARNINGS

Warnings are important pieces of information. Be careful when you see this box and make sure to read its contents before you move to the proceeding step.

Understanding the Manual

The majority of this manual deals with electricity, which means some steps in this guide could potentially be dangerous. All potential hazards are clearly labeled, along with other notes the reader should be made aware of: