1. Prepare the following materials:

Polystyrene block, the smaller the granules, the better, its best to use the type used in food containers, the one used in restaurants. Block thickness should be ½ in. Area, 2 feet x 1 feet. Anyway, you'll use only a fraction of this, so you can actually use scrap or reuse the polystyrenes used for protecting packaged goods such as T.V's.

Aluminum foil, 8 meters x 30 cm.

REYNOLDS WRAP III
Thin I
The ty

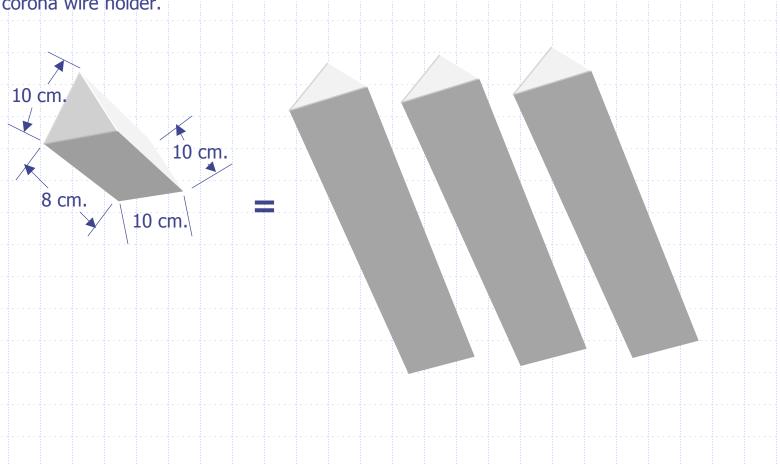
Thin Double-Adhesive (Double side tape) Tape $\frac{1}{2}$ in. wide rolls. The type of tape that is sticky on both sides but use the thin one (for lightness and ease of use) not the one that uses a foam.



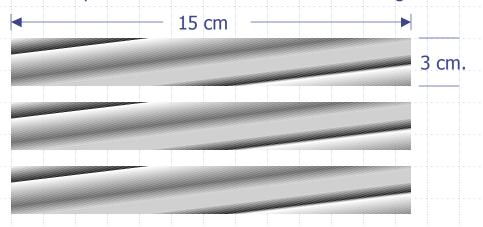
Gauge 30 wire. 0.1 mm. Thick, 3 meters long. Nothing thicker than this. Unenameled or bare wire is better than a coated motor wire. Gives your lifter a better chance of taking off. Gives more thrust.

3 mm thick, 1 feet long, brass rod, or any rod, as long as smooth and cylindrical in shape. Or any dimension al long as between 3 mm and 5 mm thick

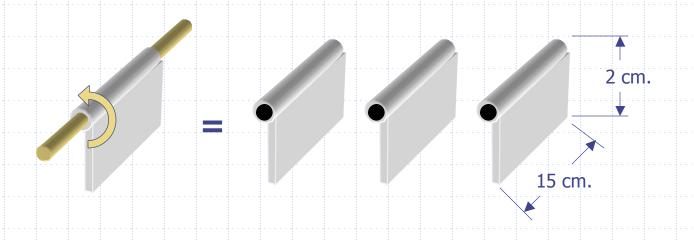
1. Cut three pieces of polystyrene with a razor in the following dimensions, this will be the corona wire holder.



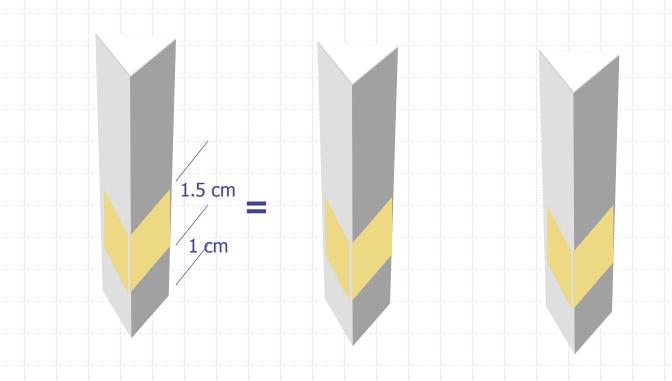
1. Cut three pieces of aluminum foil in the following dimensions:



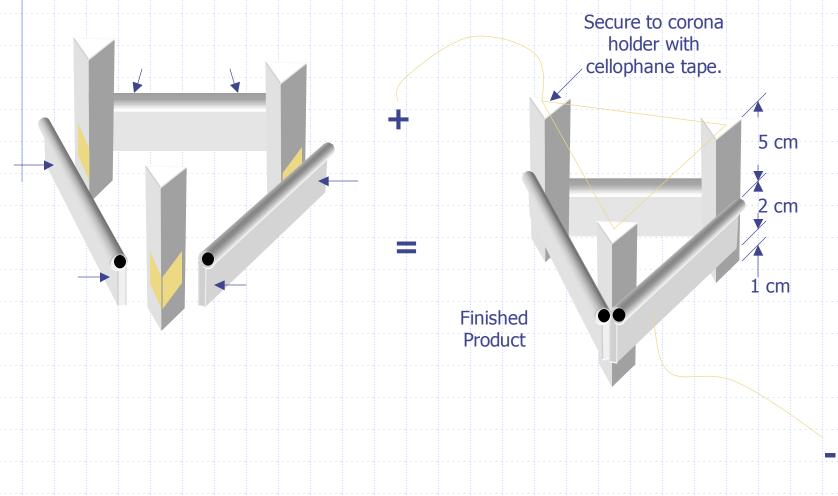
2. Fold one edge of foil with the brass rod until the foil height is reduced to 2 cm



1. Apply double adhesive to the polystyrenes. Double adhesive tape is transparent, just used yellow in the diagram so it can be seen. Otherwise, you won't see it too:-)



1. Apply the aluminum foil. As you notice, it doesn't have a horizontal framework. That will make this lifter so light, it will take-off quickly.





Test Flight Setup

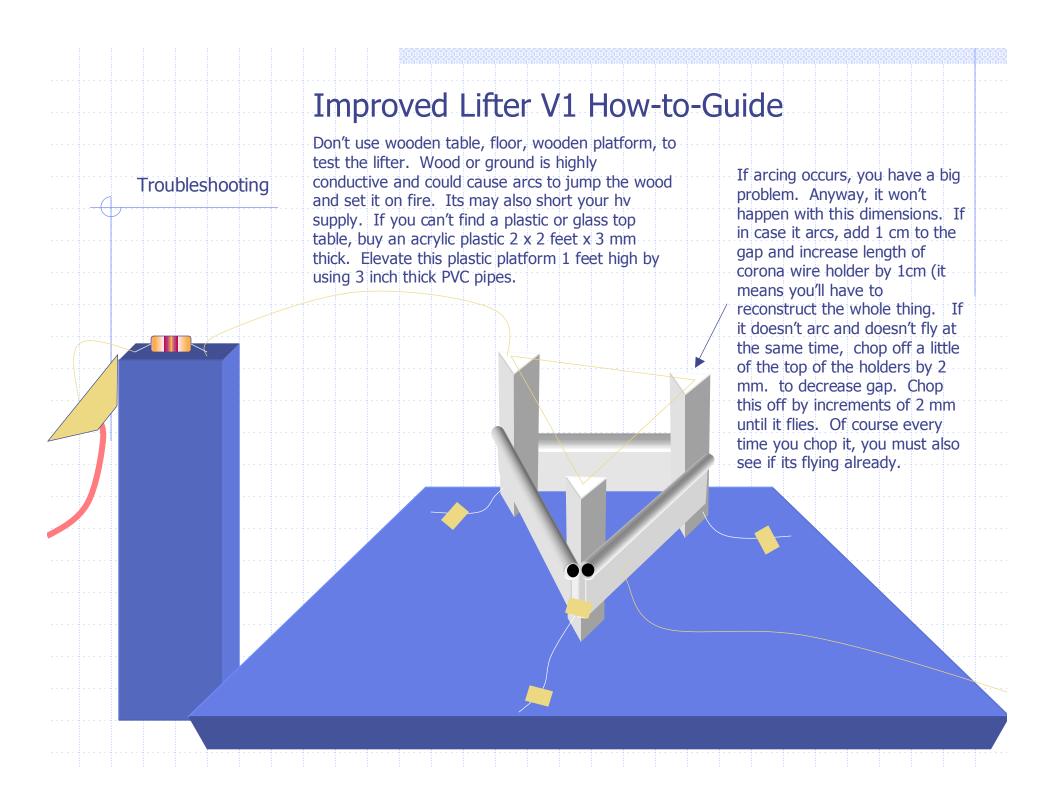
Suction cup from monitor supplies 20 – 40 kv. Never touch during operation. Very dangerous. Also keep this area from touching the ground or any object. This can quickly short and destroy your monitor.

250 K Ohm 3W power resistor

Any plastic or glass object used to hold (+) HV supply away from ground to protect HV supply. At least 1.5 feet high.

Plastic or acrylic platform. At least 2 x 2 feet, 3 mm thick./

> Ground Wire. Connected to ground cable or grounded objects.



Special thanks to Eng'r. Saviour, inventor of low-profile lifters

1. Prepare the following materials:

Polystyrene block, the smaller the granules, the better, its best to use the type used in food containers, the one used in restaurants. Block thickness should be ½ in. Area, 2 feet x 1 feet. Anyway, you'll use only a fraction of this, so you can actually use scrap or reuse the polystyrenes used for protecting packaged goods such as T.V's.

Aluminum foil, 8 meters x 30 cm.

REYNOLDS WRAP II

Thin I

The ty

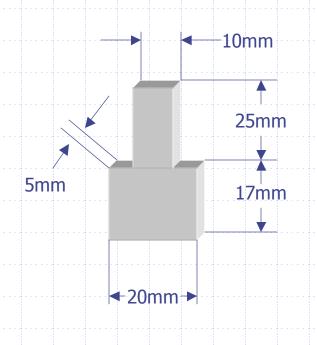
Thin Double-Adhesive (Double side tape) Tape $\frac{1}{2}$ in. wide rolls. The type of tape that is sticky on both sides but use the thin one (for lightness and ease of use) not the one that uses a foam.



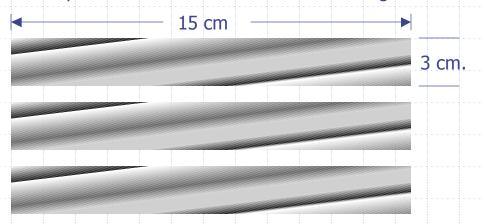
Gauge 30 wire. 0.1 mm. Thick, 3 meters long. Nothing thicker than this. Unenameled or bare wire is better than a coated motor wire. Gives your lifter a better chance of taking off. Gives more thrust.

3 mm thick, 1 feet long, brass rod, or any rod, as long as smooth and cylindrical in shape. Or any dimension al long as between 3 mm and 5 mm thick

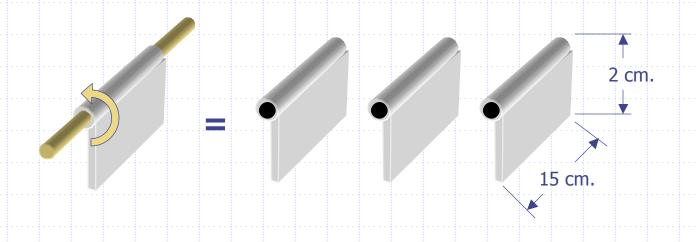
1. Cut **ten** pieces of polystyrene with a razor in the following dimensions, this will be the corona wire holder.



1. Cut **six** pieces of aluminum foil in the following dimensions:



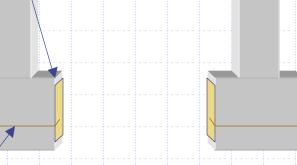
2. Fold one edge of foil with the brass rod until the foil height is reduced to 2 cm



1. Apply double adhesive to the polystyrenes. Double adhesive tape is transparent, just used yellow in the diagram so it can be seen. Otherwise, you won't see it too: -)

Double side tapes applied here

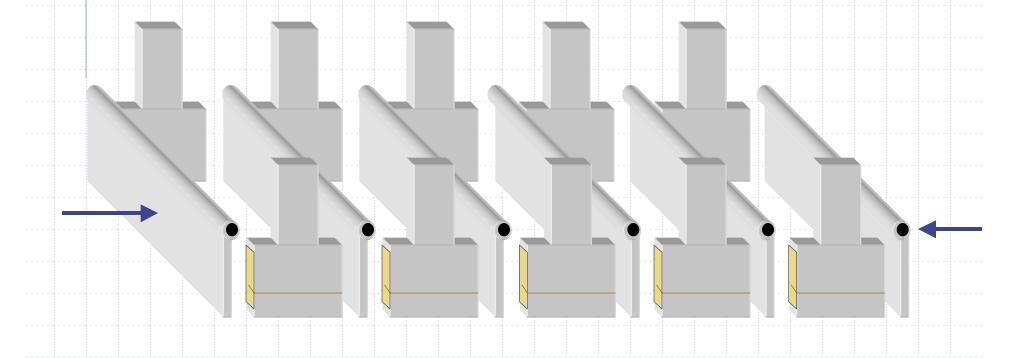




Copper wire connector (connects the foil skirts electrically) should be on top of tape not between tape and polystyrene to ensure proper contact with foil

1. Apply the aluminum foil. As you notice, it doesn't have a horizontal framework. That will make this lifter so light, it will take-off quickly.

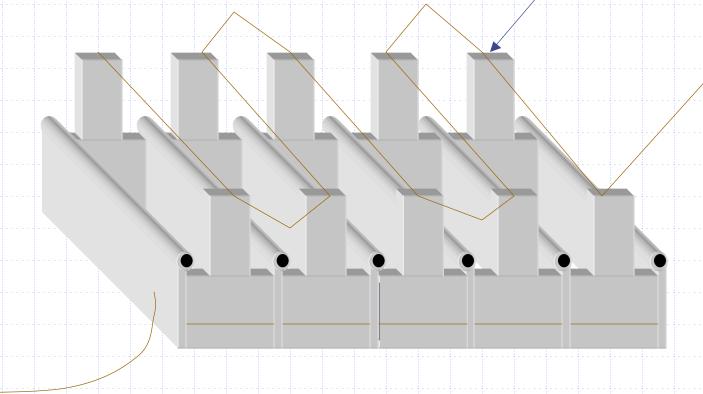
Secure to corona holder with cellophane tape.





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Secure to corona holder with cellophane tape.





Test Flight Setup

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