Useless Machine







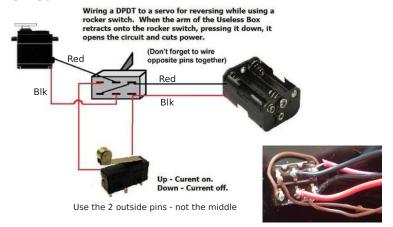


As seen on:

Saskview.com instructables.com/id/The-Most-Useless-Machine/ makeprojects.com/Project/The-Most-Useless-Machine/91/1



Circuit



Closeup of main switch wiring

Box Assembly

Do NOT overtorque nuts/bolts. Use only hand-screwdriver (not powered) to assemble. We offer a "cracked part" warrantee where we will send out a free replacement part of the piece broken during assembly (send photo of part, if possible)

Solder the all the electronics together before assembly. Drop everything through the servo hole first so you can secure the servo down before anything else.

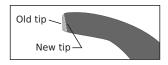
Use the rubber grommets in the servo accessory pack. Slide them in, the push the brass eyelets into the grommet holes to lock them into place. Dampen the grommets to make installation easier.

Install the mount arm on the small circle servo horn. For better coverage for hitting the switch, install both arms side-by-side so they act as one arm that's twice as thick.

Fine Tuning

Finger a bit too narrow to consistently hit the switch: There is a small curved piece in the acrylic cut outs by the switch mount - this is to be glued to one side of the fingertip if you find the.

Finger "skips" off the switch: Roughen / sand / file the finger tip to take the shine off. If this isn't enough, sand the tip in a bit so there is more taper downwards



You do not have hinges of your own: Use cellophane (not "magic") tape to create a hinge. Align the split, and tape the inside joint first, then the outside of the box. This assures a hinge that will close better all the way. Model airplane enthusiasts have been using this technique for years with great success.

Wires obstruct the mechanism: Tape the wires together into a single bundle in one spot. You can also try using zip or twist ties.

Top switch is working in reverse (towards middle turns machine OFF): Simply spin the switch around 180 degrees in the mounting hole.

Switch side box lid refuses to stay down due to stiff hinge: use small piece of tape on the inside of the box lid to the side of the main box to lock it down.

Lid with the switch pops up, causing the arm to bind on the switch: Tape the three sides of the lid down on the inside.

Useless Box does not seem to have adequate power to activate the switch: Try switching to fresh AA batteries - low power cells may not have adequate energy.

This document is a work in progress, and will be updated shortly.

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