

PARTS and MATERIALS for the SPARKY model

Please note that this file has not been updated as both motor and battery technology have improved since 2003. The latest Outrunner type brushless motor along with the latest Lithium Polymer (3 cell) battery should be used if possible. This would improve performance nicely, with an increase in power as well as endurance.

3/16" light balsa sheet
3/16" medium balsa sheet
1/8" medium balsa sheet
1/4" balsa triangle stick
3/16" Spruce, Bass, or light plywood
1/64" plywood
.030 (1/32") polypropylene sheet
1/16" rigid fiberglass (or) a Robart #331 ball link control arm, 3/4" size
3/16" inside diameter brass tubing
Several round toothpicks
Carbon Fiber strips ("Iron-on", from California Carbon, Advanced Materials, Jamul, California, or Iron-on "Uni-web Carbon strips", CST-Composite Structures Tech., Tehachapi, California) NOTE: use of CF strips on rotor blades is optional, see page 8 of instructions. It is required on the pylon area of the fuse, however.
3/32", 5/64", and 1/16" music wire
(2) 3/32" inside x 3/16" outside diameter ball bearings [Team Losi A-6912 XX , model car bearings]
(6) #2 x 3/8" flat head wood screws
(4) #1 x 3/8" roundhead wood screws
(7) 2/56 x 1/2" bolts, with locknuts
(2) 2/56 pushrods
(2) DuBro #2134 swivel ball links
(2) 2 Micro sized servos of at least 15 to 25 ounce torque
(3) 3/32" and 5/64" wheel collars.
(2) Goldberg #290 3/8" landing gear straps
(2) 1.5" light weight wheels
(1) 8 cell / 500AR battery pack
(1) ** ESC with BEC, capable of 20 amp use if the Graupner 480 motor is used.
Note that the Astro motor comes complete with its own ESC.
Ultracote, Monokote, or other lightweight covering will work.
Several small nylon tie-wraps, small Velcro pieces
Epoxy and CA glues