

G3PO Bill of Materials

<u>Head</u>	
Head	FD0025
Center Hub	FD004
Linkage	FD001
Swashplate	FD008
Flybar	FD005
Flybar Paddles	FD006
Outer control Plate	FD007
Bearings	VXB 3x7x3 or piccolo pro main shaft bearings
Gearbox	GWS speed 400
Main shaft	Piccolo pro main shaft
2, 3 mm shaft collars	3/32" drilled to 3mm
2mm flybar hardware	2mm x 10 mm (2), 2mm plain nuts (2)
4 metal blade straps	22 gauge mild steel
antirotation base	10mm x 20mm x 1/32 ply
antirotation pins	1.5mm x 40 mm carbon (2)
head pin	1mm x 10mm MW
6, #10 washers	
6, 3mm x 15mm socket head screws	
4, 3mm plain nuts	
2, 3mm plastic stop nuts	
Head stiffner	carbon
Head retention screw	#2 x 3/8
Servo pushrods	1mm MW, z-bends (2)
<u>Chassis</u>	
Main mast	10mm x 10mm pine
boom brace	.156 carbon tubing
1/16 boom brace dowel	
main landing gear mount	¼ ply, (kit is stacked laser cut 1/16")
fuse	1/8 lite ply
keel	10mm x 10mm pine
motor mount	10mm x 10mm pine
main wheels	MPI 3"
2mm main wheel collars	1/16" drilled to 2mm
tail boom	¼" i.d. DB pushrod, 24-1/4"
landing gear struts	.156 carbon tube x 9"
kevlar	12" (LG struts, head reinforcement)
landing gear wire	2"- 2mm MW, 20 degree bend
heavy thread	boom brace wrap

<u>Tail</u>	
fin	6mm depron
rudder	6mm depron
fin doublers	1/16 balsa
rudder horn	laser cut 1/32" ply
¼ dowel insert	
tailwheel bracket	Goldberg 1/2A
tail wheel bracket hardware	#2 screws (2), #2 washers (2)
tail wheel wire	1/16"
tail wheel	MPI 1.25"
2, 1/16" tail wheel collar	
tail wheel tiller tube	DB antenna tube, 2"
pull pull hardware	#1 screw, #1 washers (2), dacron line (40")
<u>Blades</u>	
blades	18" aerobalsa cut to 15" (kit blades have milled weight slots, blades roots attached and holes drilled.
blade covering	Monokote trim sheet
blade reinforcements	5/8 x 1-1/4 x 1/32 ply (4)
6" 1/16 solder	
tracking tape	2, ½ x 1 black monokote trim
<u>Misc</u>	
Plans	
Manual	
Video	