

Terrier ES Bill of Materials

Wood:

1/16 plywood 1.5" x 15", 1 req'd – rib doublers; servo rail locks

3/32 plywood 1" x 2.5", 1 req'd – tailwheel bracket mount

1/8 plywood 3" x 10", 1 req'd – LG mounts; F2; F2A; motor mount standoffs

1/8 Lite Ply 8" x 12" (grain along long dimension), 1 req'd – battery shelf; F4; T1; T2; T3; T4

3/16 plywood 3.75" x 4.5" (grain along short dimension), 1 req'd – F1; wing mount

3/32" x 3/16" x 36" spruce, 4 req'd – turtledeck stringers

1/4" square x 36" spruce, 7 req'd – spar caps; pushrods; battery shelf rails; longerons; servo mounts

1/4" diameter x 2" birch dowel, 1 req'd – front wing hold-down

1/4" square x 36" medium or medium-hard balsa, 2 req'd – wing LEs; fuselage crosspieces

1/4" triangular x 36" medium-hard balsa, 1 req'd – fuselage and LG mount reinforcement

3/8" triangular x 6" medium balsa, 1 req'd – side nose plate reinforcement

3/8" X 1" X 4" medium sheet balsa, 1 req'd – upper nose plate reinforcement

3/4" triangular x 4" medium balsa, 1 req'd – lower nose plate reinforcement

1/16" x 3" x 36" medium sheet balsa, 9 req'd – ribs; capstrips; D-tube sheeting; center section sheeting; TE sheeting; fuselage doublers; F5 and T5 doublers; spar webs

3/32" x 3" x 24" medium sheet balsa, 1 req'd – fuselage bottom

3/32" x 3" x 6" hard sheet balsa, 1 req'd – spar webs

1/8" x 3" x 36" medium sheet balsa, 4 req'd – fuselage sides; stabilizer doublers; ribs; fuselage top sheeting; hatch; F5; T3; T5 – T7

1/8" x 3" x 6" hard sheet balsa, 1 req'd – spar webs

3/16" x 3" x 36" medium to medium-hard sheet balsa, 2 req'd – empennage, T8

3/16" x 1.5" x 30" medium sheet balsa, 1 req'd – wing TE strips

1/2" x 3/4" x 7" medium sheet balsa, 1 req'd – tail section fairing blocks

1/2" x 1.5" x 20" medium sheet balsa, 1 req'd – wing tips

1/2" x 3" x 36" medium sheet balsa, 1 req'd – wing TE; aileron stock

Hardware:

1/16" dia. X 36" music wire, 1 req'd – tailwheel wire; pushrods
3/32" dia. x 16" music wire, 1 req'd – aileron torque rods
1/8" dia. X 26" music wire, 1 req'd – LG; elevator joiner
1/8" O.D. x 7" brass tube, 1 req'd – aileron torque rod bearings
4-40 x 3/4" socket head cap screw, 4 req'd – motor mount screws
4-40 blind nut, 4 req'd – motor mounting
Du-Bro #111 threaded coupler, 4 req'd – pushrod ends
Du-Bro #112 solder link, 4 req'd – pushrod ends
Du-Bro #109 Kwik Link, 4 req'd – pushrod ends
Du-Bro #103 strip aileron horn set, 1 req'd – aileron torque rod fitting
Du-Bro #107 1/2A control horn, 2 req'd – elevator and rudder horns
Du-Bro #158 landing gear strap set, 1 req'd – LG attach to wing
Du-Bro 2.75" low-bounce wheel, 2 req'd – main LG wheels
Du-Bro #375 tailwheel bracket, 1 req'd – tailwheel assembly
Perfect 1" balloon wheel, 1 req'd – tailwheel
1/16" wheel collar, 1 req'd – tailwheel attach
1/8" wheel collar, 4 req'd – LG wheels attach
10-32 x 1" nylon screw, 2 req'd – wing bolts
Sig Easy Hinges, 1 package req'd – control surface hinges
3" x 20" 2oz/sq yd fiberglass cloth, 1 req'd – wing center reinforcement
.020" thick Lexan 3" x 8", 1 req'd – windshield
Ultracote, 2 rolls req'd
Airborne Models 75mm pilot figure, 1 req'd
APC 11 x 5.5E prop, 1 req'd

Electronics:

E-Flite Power 25 870 Kv outrunner motor
Hitec Energy Sport 50 Amp ESC
4S 4500 mah LiPo battery
Hitec HS-225BB servos, 3 req'd

Spektrum AR400 receiver