

Supplies needed to complete the Pitts Short Kit:

Wood

- A lot of 1/16" balsa or basswood Stringers
- 2 little pieces of 1/8 x 1/16 balsa stringer (can be cut from the 1/8 parts sheet)
- Some various scrap for servo mounting (can be cut from the 3/32" or 1/8" parts sheet)
- A GWS IPS stick for your motor mount
- Possibly some various scrap for a custom motor mount
- 1/8" hardwood dowel or carbon tube for elevator hinge

Radio Gear:

- 3 servos, GWS pico or similar
- A receiver: GWS pico or similar

Motor:

- GWS IPS is a drop-in. Kit also comes with a ply motor mount for CD-ROM motors with an 8mm spindle mount.

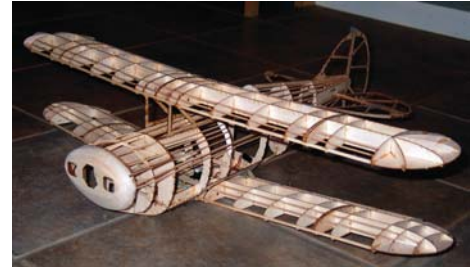
Wire:

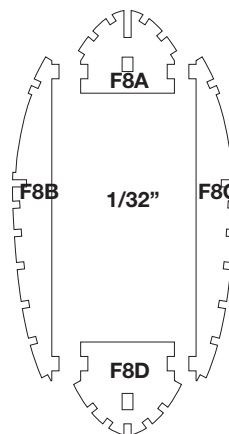
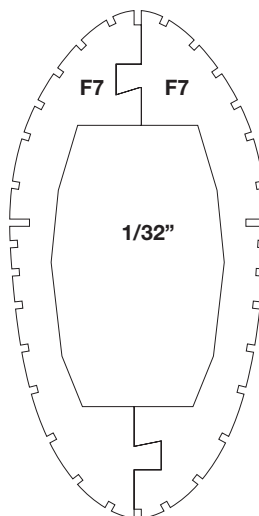
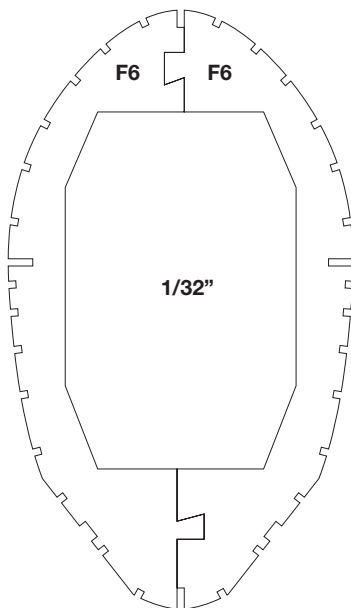
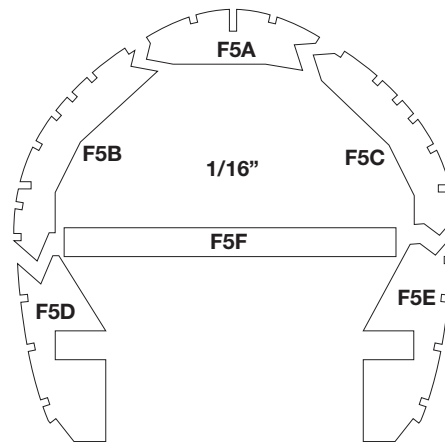
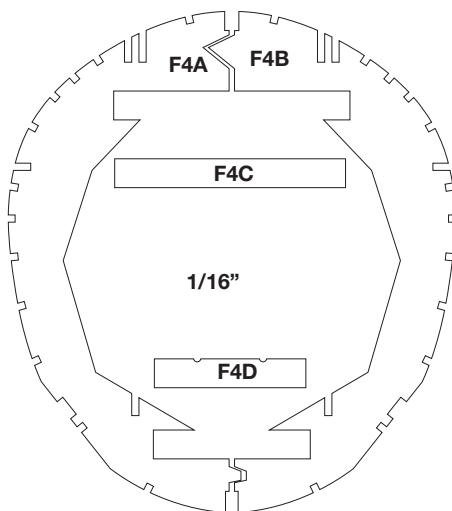
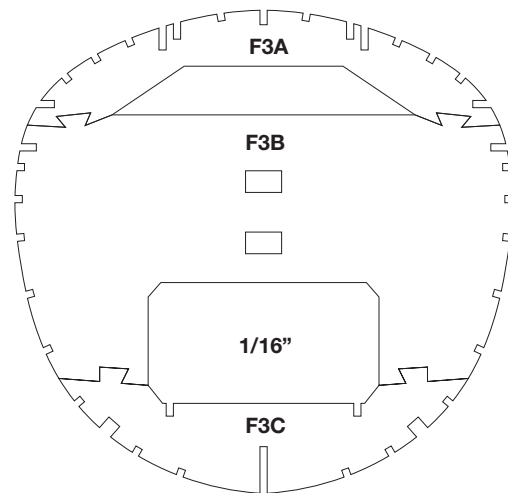
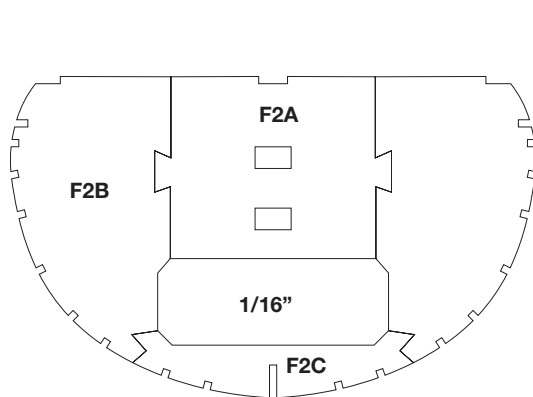
- Pushrods: .02 music wire for the ailerons, .03 or carbon for rudder and elevator
- Wire: 0.06", 0.032", 0.02"

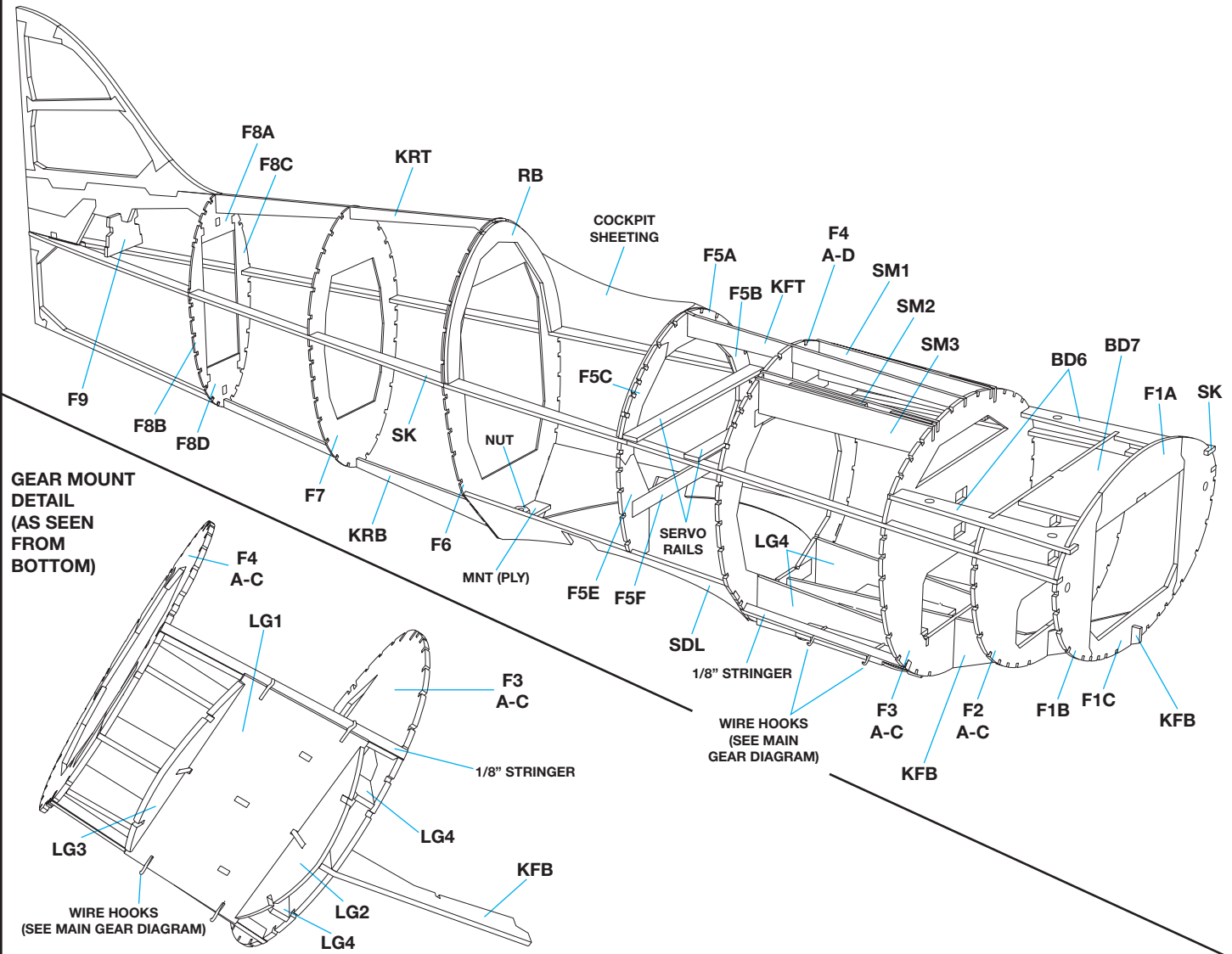
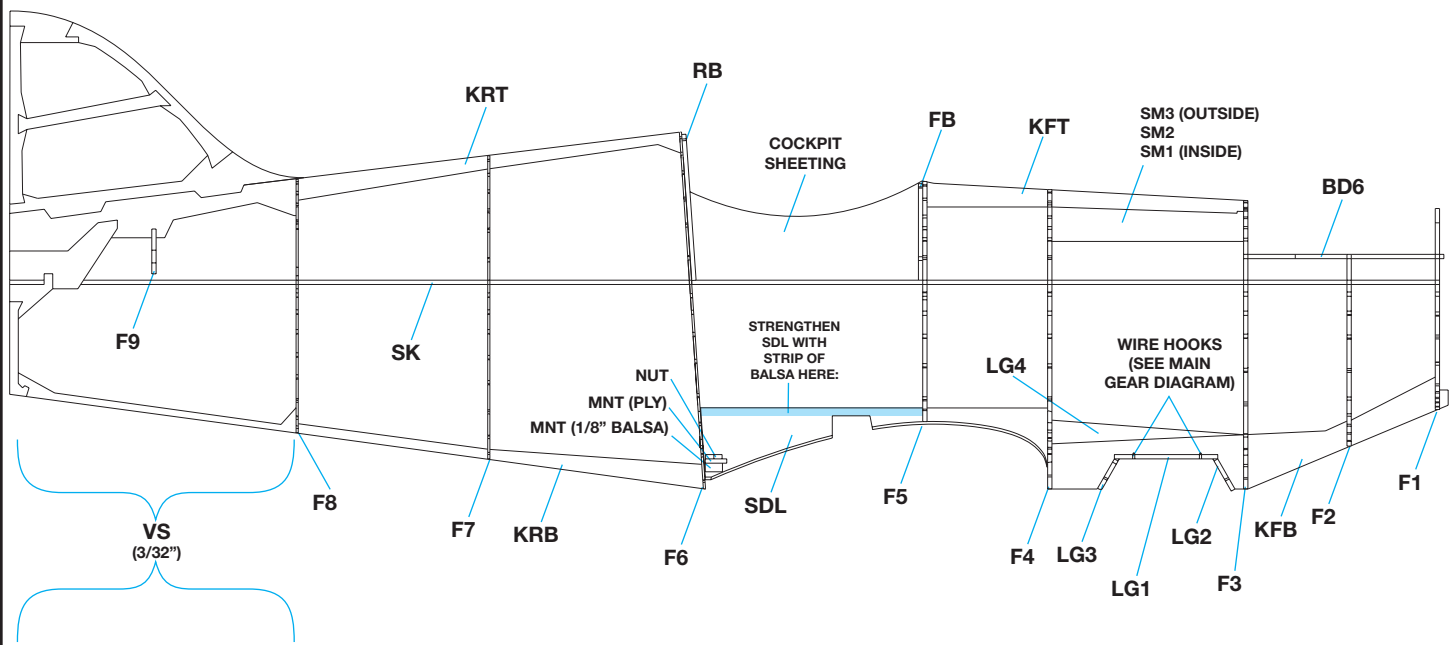
Other:

- Lightweight 45mm or 2" wheels
- Dubro micro ez-connects
- Magnets: 1/16" thick by 1/8 Dia super magnets to hold on the cowl and battery hatch (x12):
<http://www.kjmagnetics.com/proddetail.asp?prod=D21&cat=10>
- Lightweight Covering of your choice. Solite or Solarfilm recommended.
- Clear tape for hinging the control surfaces

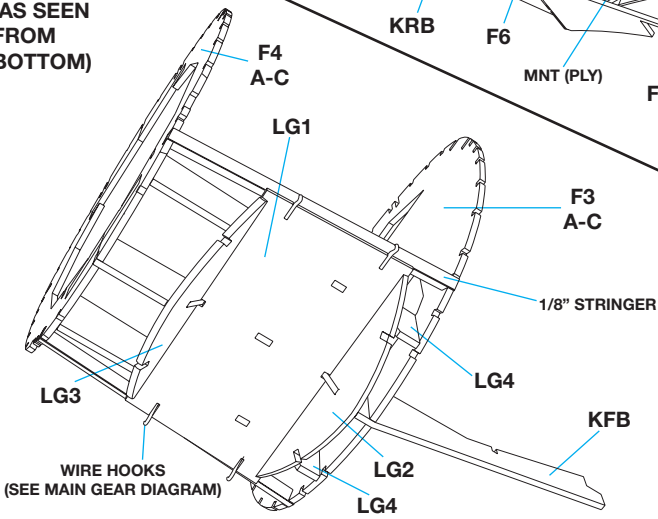
More photos of this kit can be found online at
www.virtualaerodrome.com





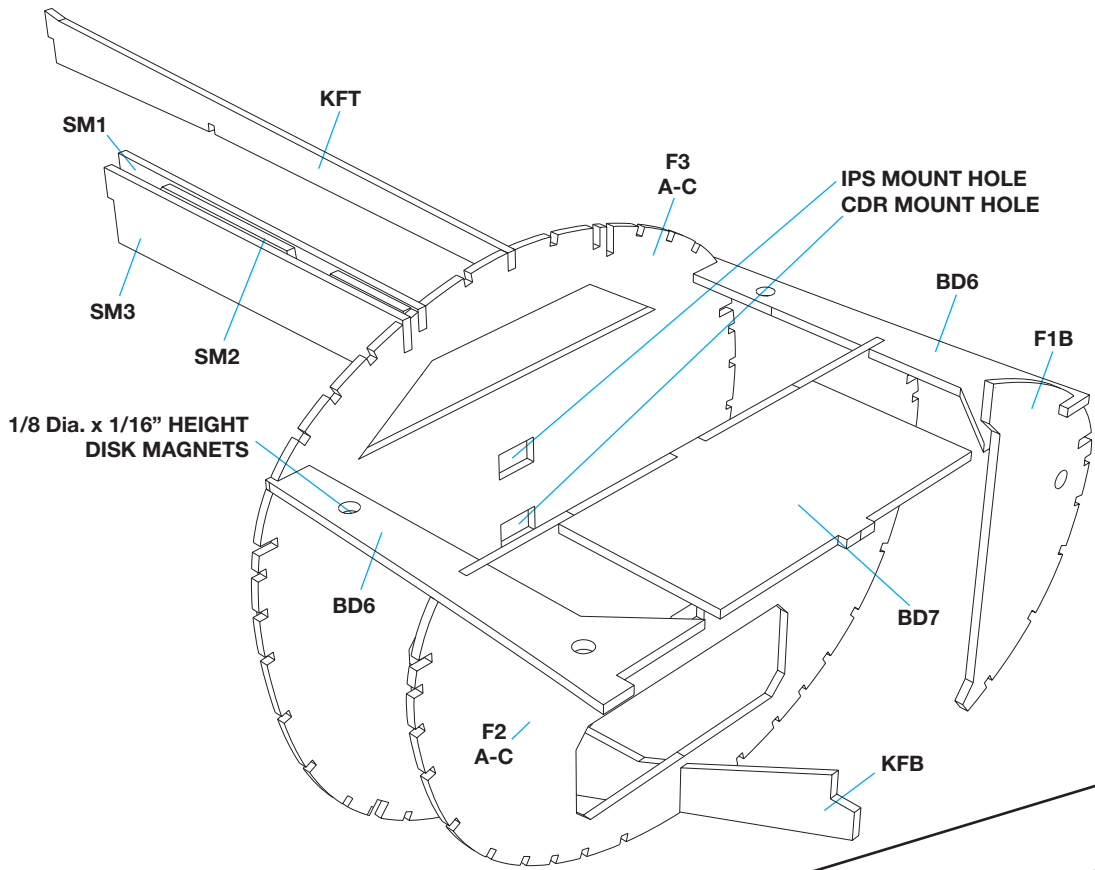


GEAR MOUNT DETAIL (AS SEEN FROM BOTTOM)



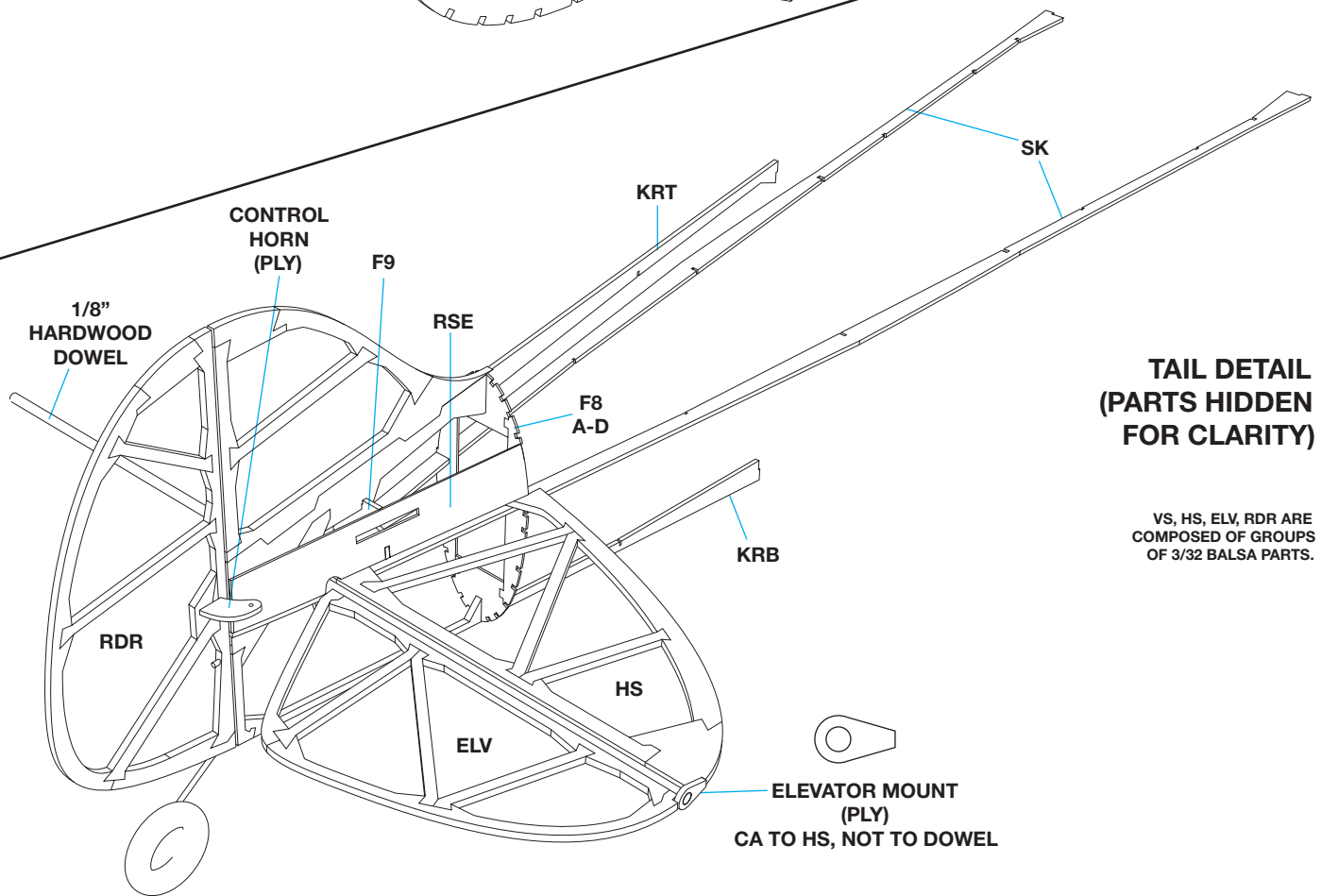
**NOSE DETAIL
 (PARTS HIDDEN
 FOR CLARITY)**

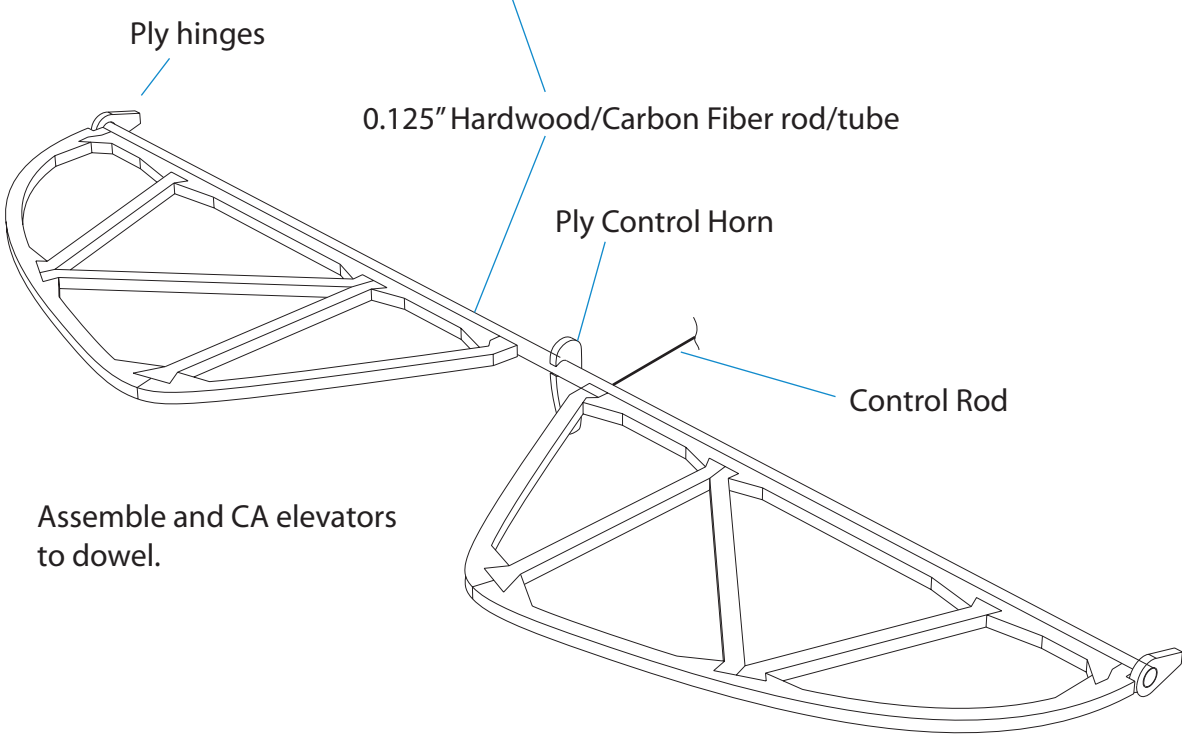
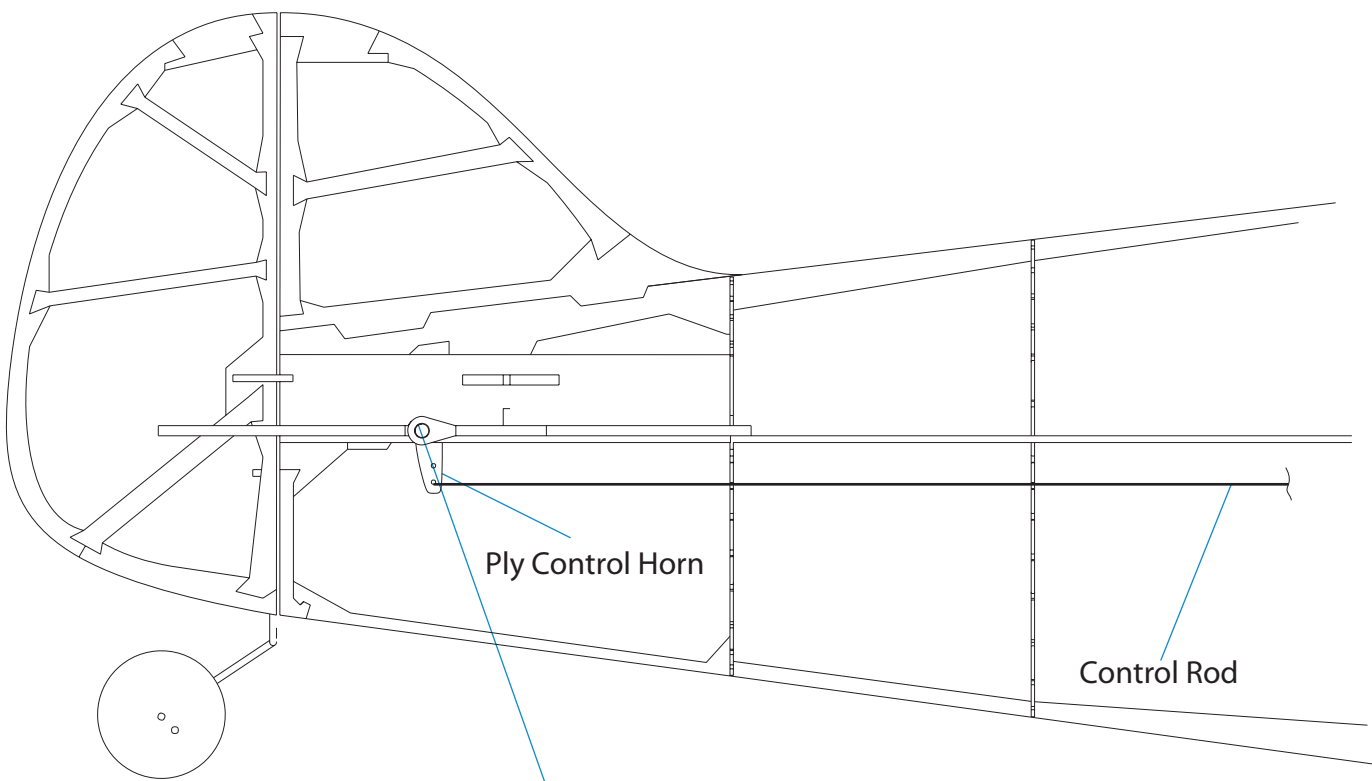
DEPENDING ON SIZE AND
 WEIGHT OF BATTERY
 USED, MODIFY BATTERY
 BAY TO FIT YOUR
 INDIVIDUAL NEEDS.

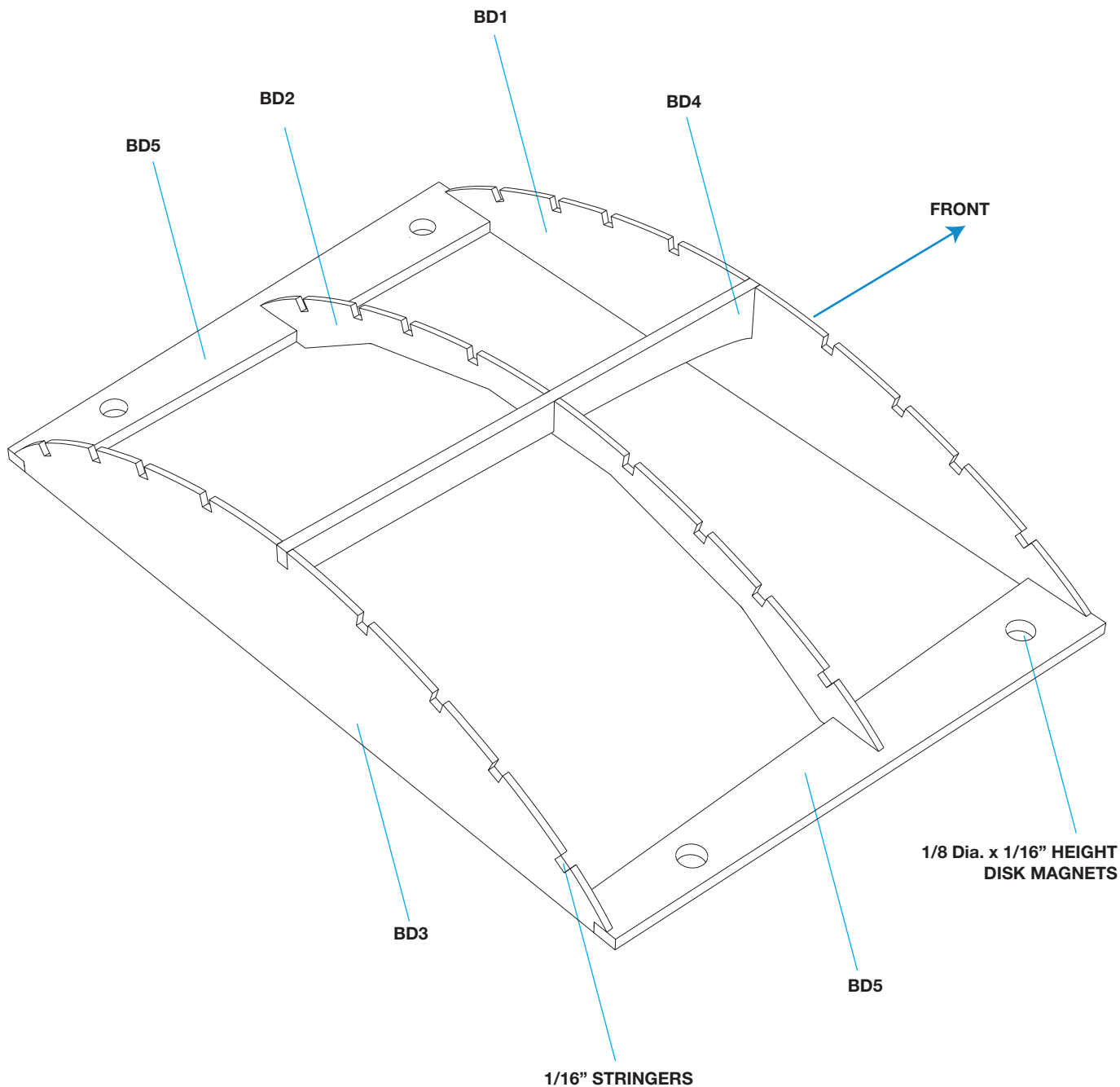


**TAIL DETAIL
 (PARTS HIDDEN
 FOR CLARITY)**

VS, HS, ELV, RDR ARE
 COMPOSED OF GROUPS
 OF 3/32 BALSA PARTS.







Pitts
SPECIAL

Pitts Special Parkflyer

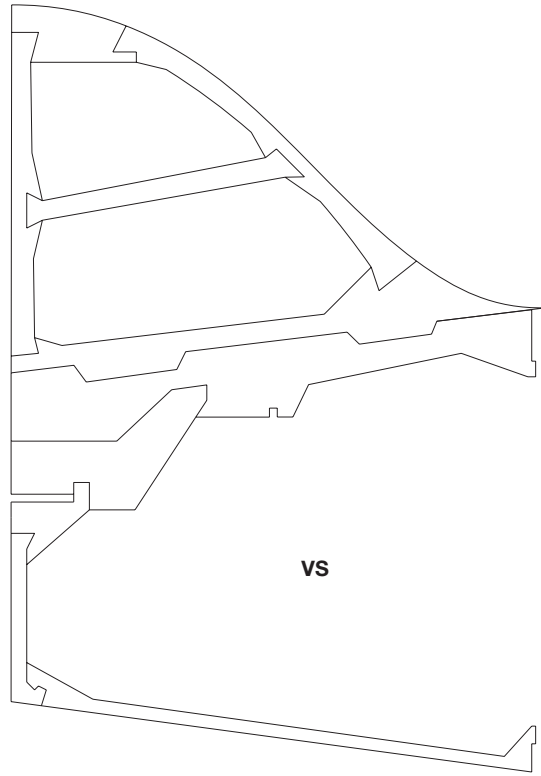
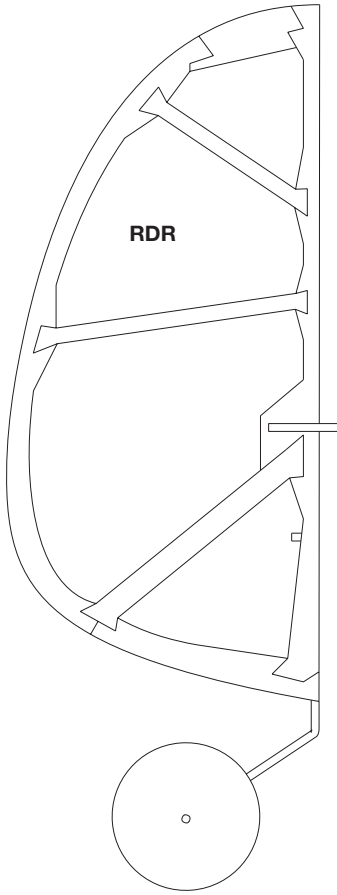
Wing area: 268 sq. in.
Auw: ~10 oz
Motor: IPS, CD-ROM Motor, small brushless
Batteries: 730 to 1200 MAh LiPo

SHORT KIT

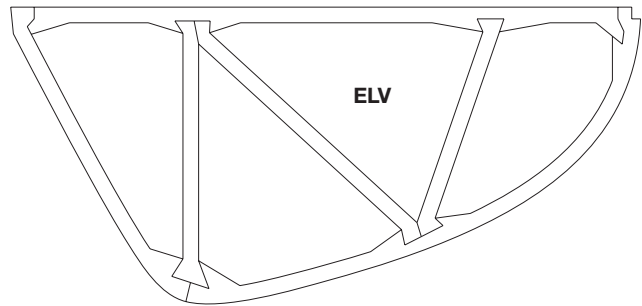
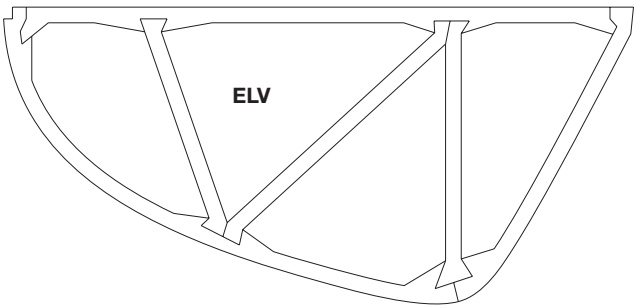
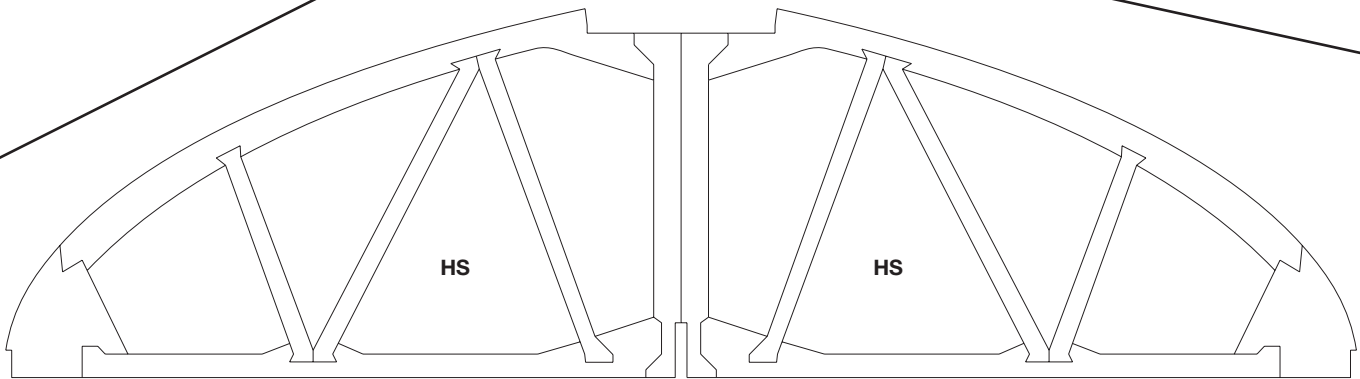
Controls: Full House
Receiver: Pico/sub micro
Servos: 3 pico/HS55/sub micro

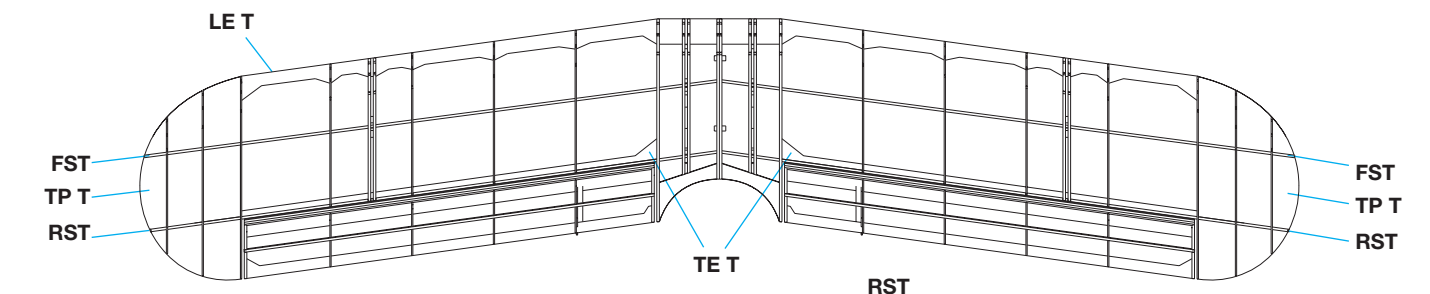
Pitts Special
Copyright © Aviat Aircraft Inc.
Parkflyer design
Copyright © Ian Smith
www.aero-labs.com

Tailfeathers

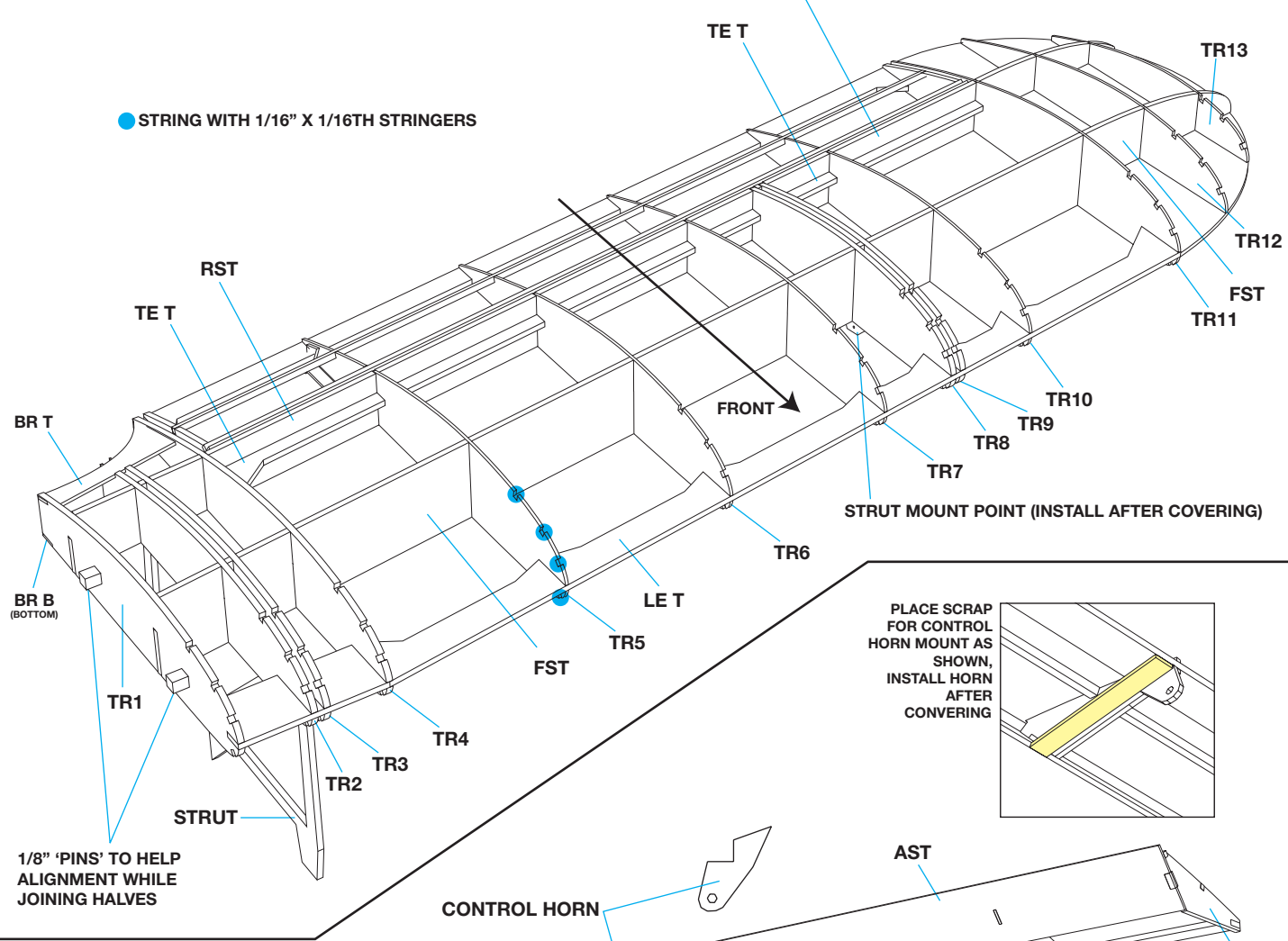


ALL 3/32" Balsa

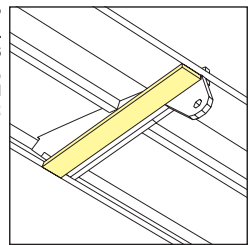




● STRING WITH 1/16" X 1/16TH STRINGERS



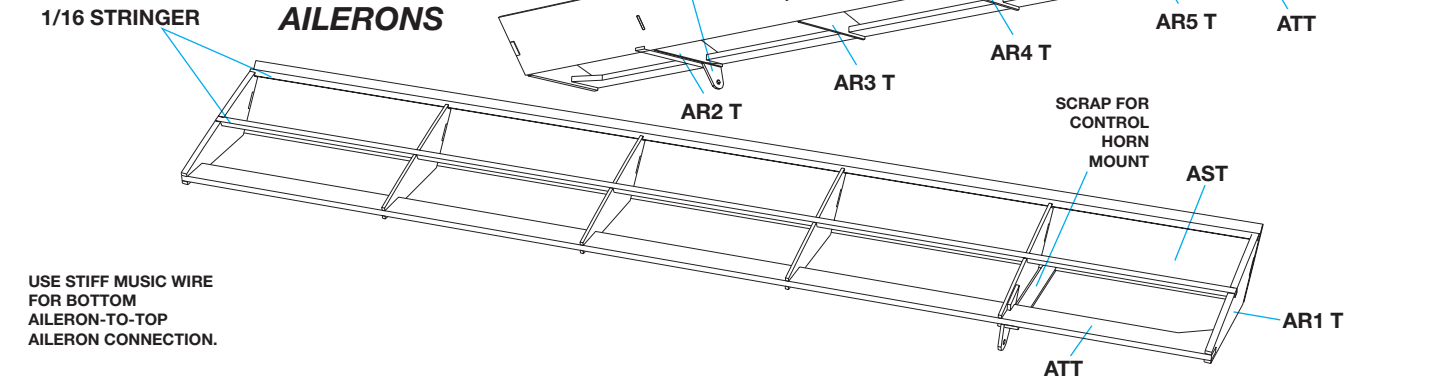
PLACE SCRAP FOR CONTROL HORN MOUNT AS SHOWN, INSTALL HORN AFTER COVERING



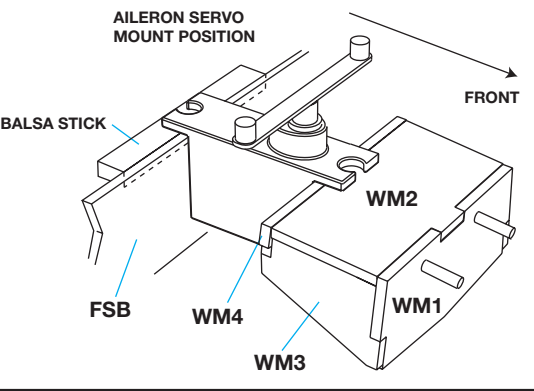
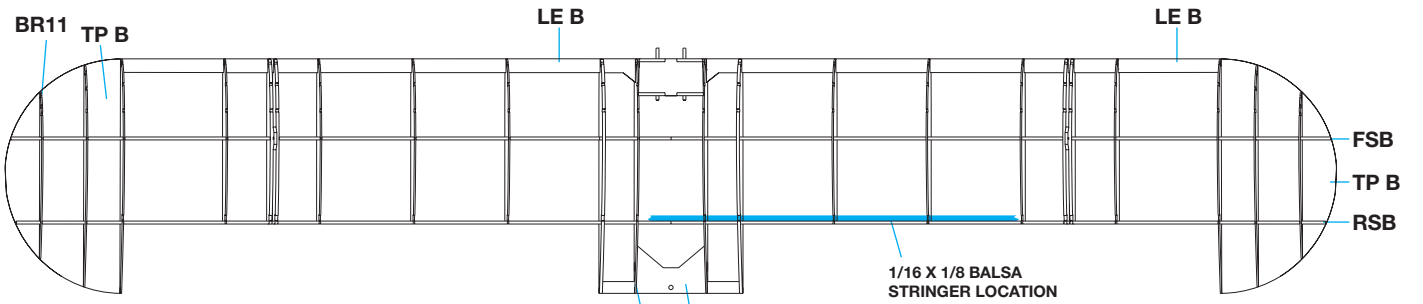
1/8" 'PINS' TO HELP ALIGNMENT WHILE JOINING HALVES

CONTROL HORN

AILERONS

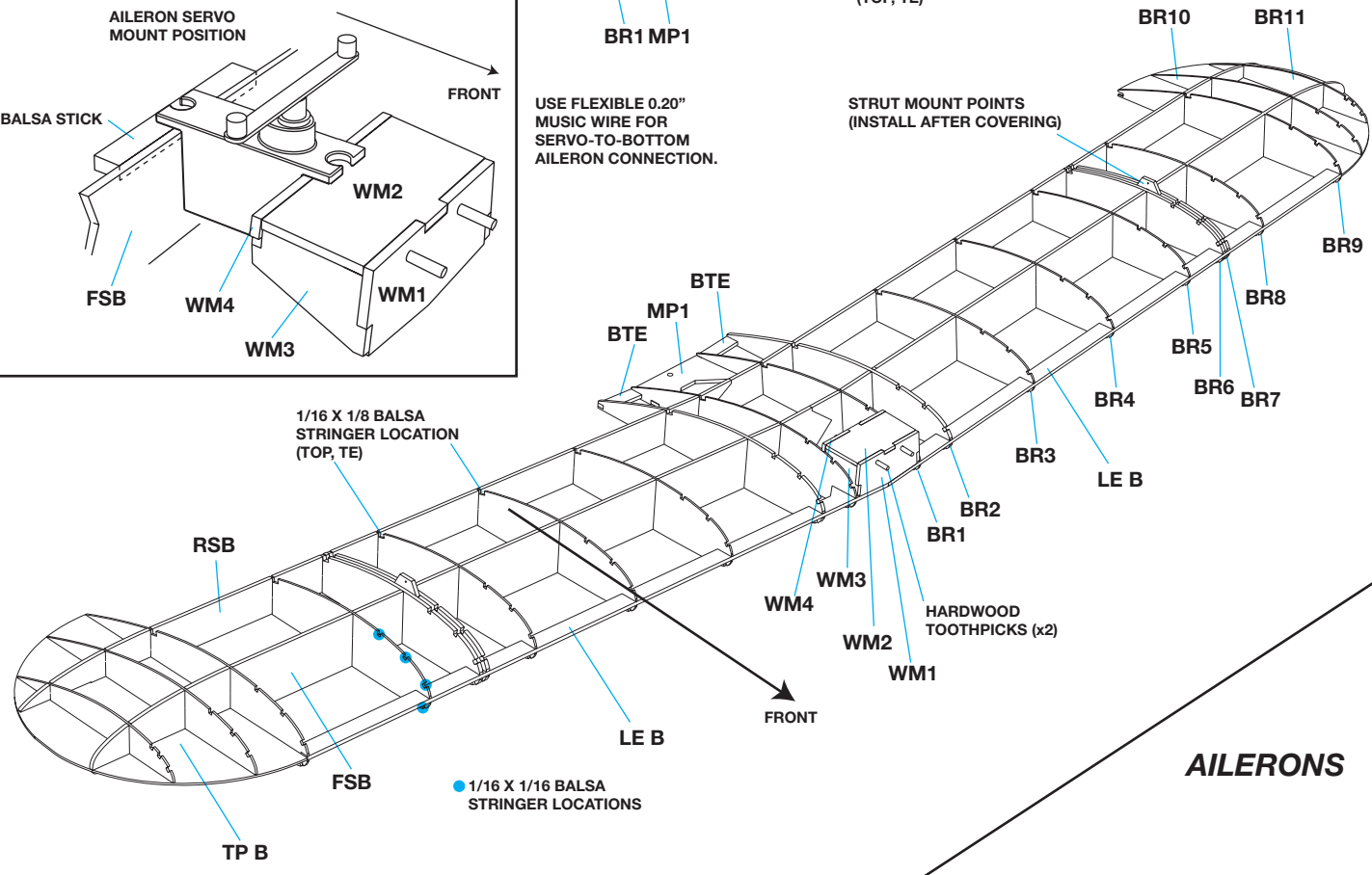


USE STIFF MUSIC WIRE FOR BOTTOM AILERON-TO-TOP AILERON CONNECTION.

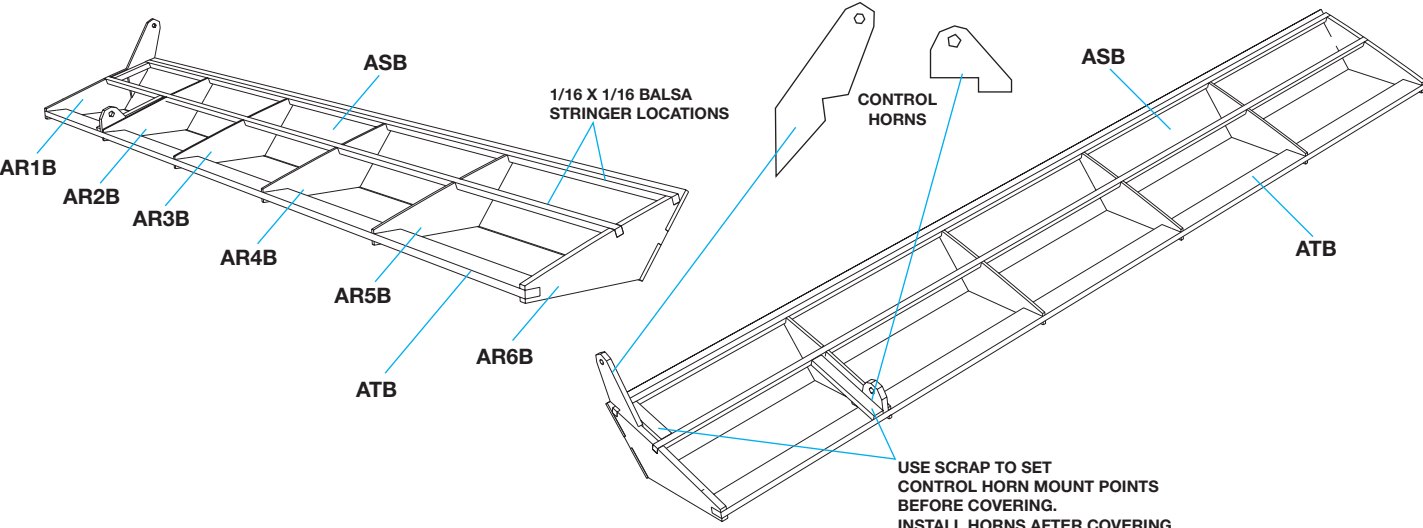


USE FLEXIBLE 0.20" MUSIC WIRE FOR SERVO-TO-BOTTOM AILERON CONNECTION.

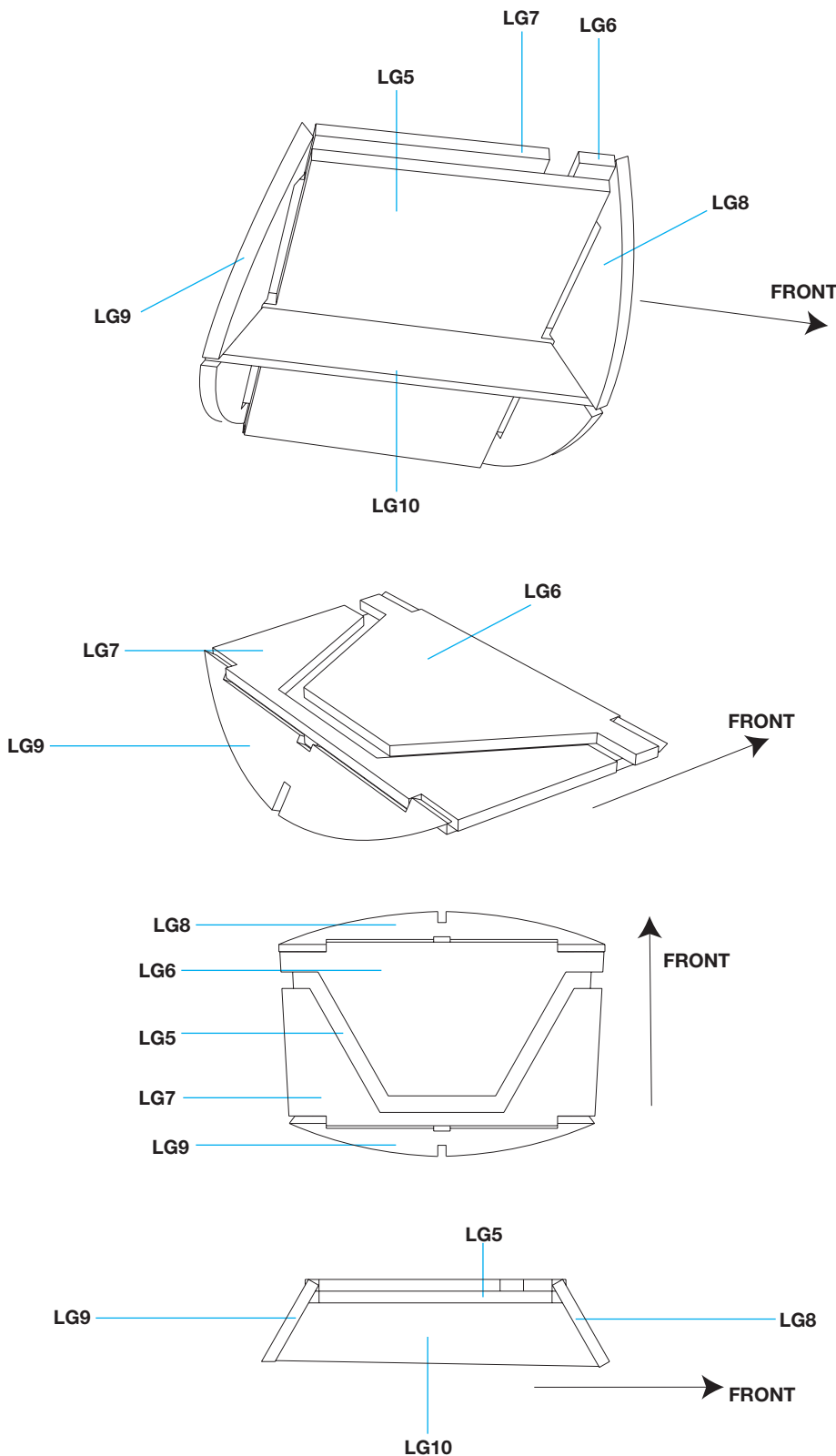
STRUT MOUNT POINTS (INSTALL AFTER COVERING)



AILERONS



**AFTER ASSEMBLY,
 SHEET BOTTOM OF
 BREAKAWAY PIECE
 WITH LG11 SHEET.**



TOP VIEW

(actual size at 100%)

1.1"

0.91"

FRONT
↑

FRONT VIEW

(actual size at 100%)

2.6"

0.45"

**MAIN LANDING GEAR
WIRE: 0.060"**

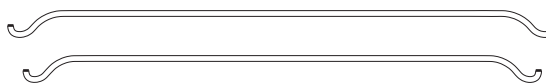
1", or TRIM
TO NEED

SIDE VIEW

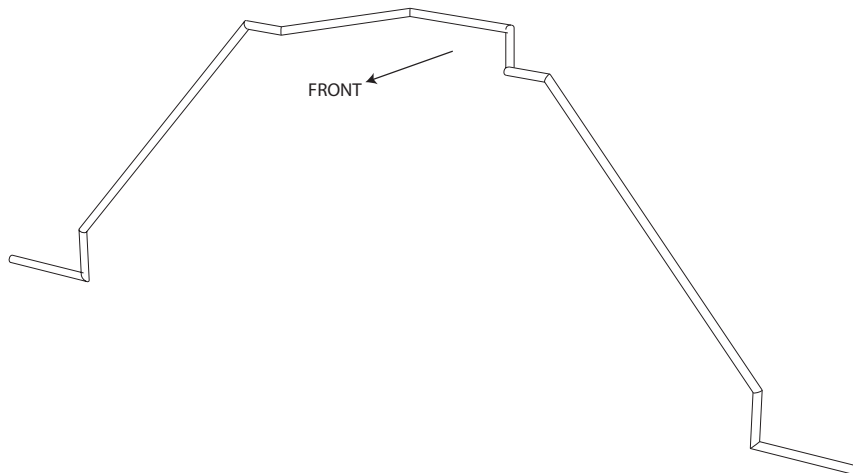


gear hooks template

FRONT
BACK



PERSPECTIVE VIEW

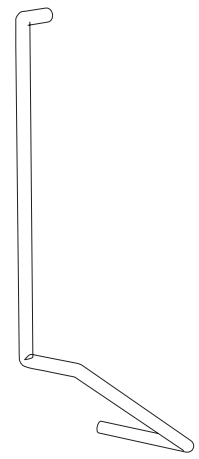


TAIL WHEEL GEAR WIRE
ACTUAL SIZE WHEN PRINTED AT 100%
USES 0.032" MUSIC WIRE
INSERT INTO RDR

TOP



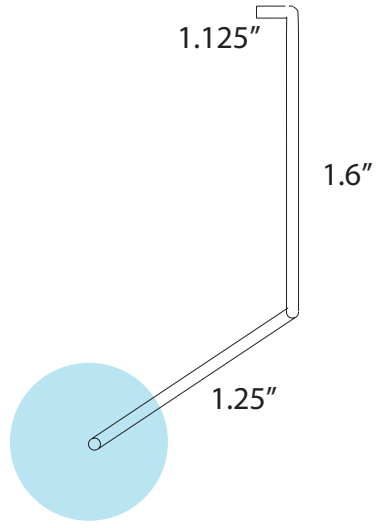
PERSPECTIVE



FRONT



RIGHT





Pitts Special Parkflyer

Wing area: 268 sq. in.
AUW: ~10 oz
Motor: IPS, CD-ROM Motor, small brushless
Batteries: 730 to 1200 MAh LiPo

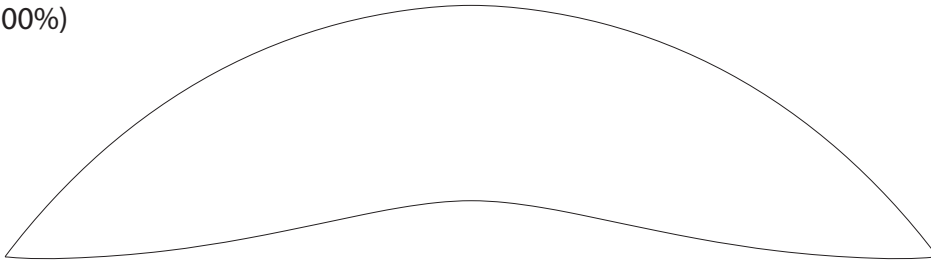
SHORT KIT

Controls: Full House
Receiver: Pico/sub micro
Servos: 3 pico/HS55/sub micro

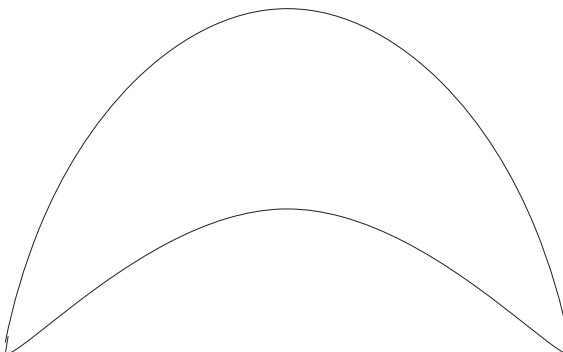
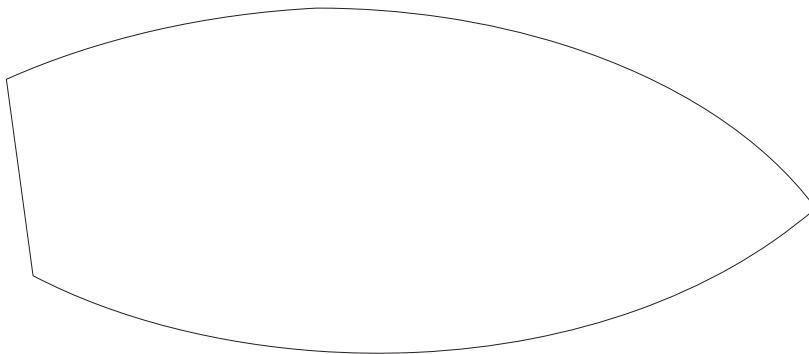
Pitts Special
Copyright © Aviat Aircraft Inc.
Parkflyer design
Copyright © Ian Smith
www.aero-labs.com

**Windshield/
Canopy**

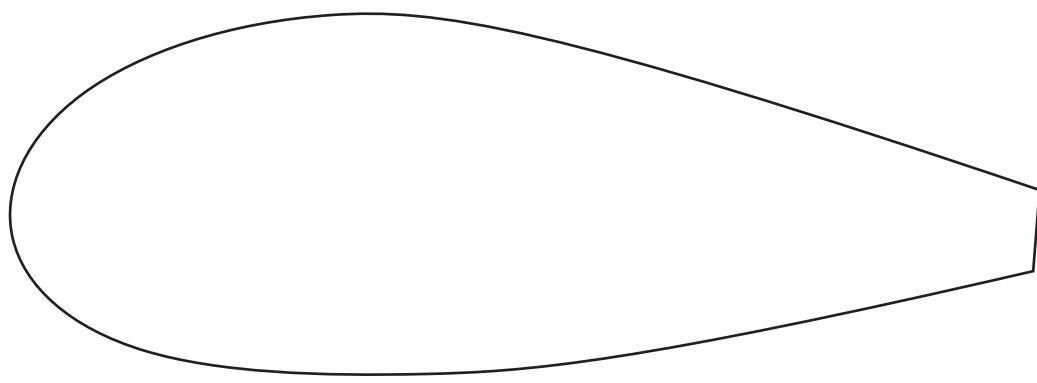
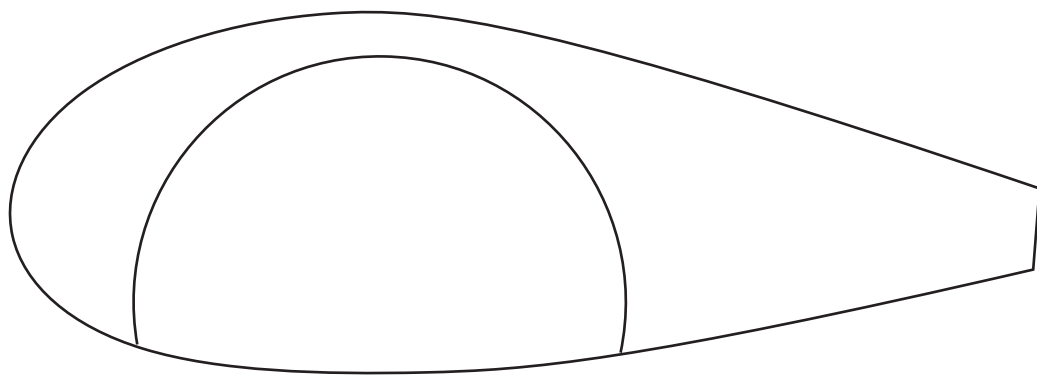
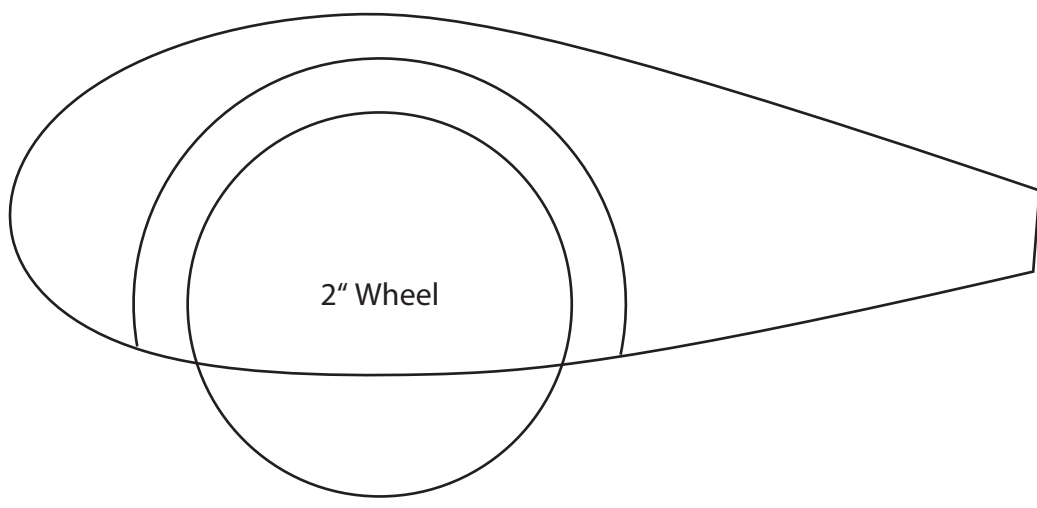
WINDSHIELD TEMPLATE
(actual size at 100%)



CANOPY TEMPLATE
(ACTUAL SIZE AT 100%)



Actual size when printed at 100%



Pitts
SPECIAL

Pitts Special Parkflyer

Wing area: 268 sq. in.
AUW: ~10 oz
Motor: IPS, CD-ROM Motor, small brushless
Batteries: 730 to 1200 MAh LiPo

SHORT KIT

Controls: Full House
Receiver: Pico/sub micro
Servos: 3 pico/HS55/sub micro

Pitts Special
Copyright © Aviat Aircraft Inc.
Parkflyer design
Copyright © Ian Smith
www.aero-labs.com

CENTER OF GRAVITY

CENTER OF GRAVITY: LEADING EDGE OF BOTTOM WING

