

EZ COSTS-David A. C. Orr © AUGUST, 1985

Listings for
SQUADRON 1 CLUB
Catalogue
SF current June 84

#5A
~~\$2.50~~
\$1.50
out of date

Current CP 24 through 45. Aircraft Spruce Summer '85. Note that "AS37" is page 37 of the latest Aircraft Spruce Catalogue. For 1985 Spruce's cloth, aluminum sheet, specialty parts, sandpaper, pulleys, bearings, aeroquip fittings, spray lat, spinner kits, x-40 and seat belts are up and bolts, screws, washers, fiberfrax, foam, epoxy, phenolic, versatube, longerons and cable were steady. Plywood, being a different type, was down.

Brock Catalogue August '85 (they have a long EZ by the chapter catalogue avail. Their prices have stayed nearly the same except LB12345 and LB11 went down, and the canopy hardware kit, fuel cap o-rings and LL4 spacers went up. Of course the new canard parts are more complex and cost \$240.70 not including hinge pins (up from \$81.50) and Task Research August '84.

PRICES
USUALLY
GO UP
AROUND
EAA Oshkosh conv.
Time for next year

Explanation of Codes:

AS = Aircraft Spruce: 714-870-7551

KB = Ken Brock: 714-898-4366

Rutan Aircraft: 805-824-2645

TR = Task Research: 805-525-4445/ 525-4545

"T" = total. (i.e. (2) things at \$10 will be written "\$20.00T".

NL = Not listed.

WT = Weldtech

AP = Air Parts

800-634-6841

G = Goldberg prices

213-647-2622

→SF = Sports Flight

904-796-1874

W = Wilco 316-943-9379

509-967-5660

CHECKLIST OF UNUSUALS FROM AIRCRAFT SPRUCE:

(2)Ply 9 (skin protector) AS34: \$8.80T
better to buy FR-88 AS34: \$19.95
(2)Epocleanse AS34: \$22.70T
(3)2" dacron tape (Peel ply) AS20: \$14.70T
(4)1" dacron tape (Peel ply) AS20: \$15.60T

5 Minute epoxy AS16: \$21.00
Dremel #3801 AS25: \$90.70
Suggest you get #402(1) #407(2) #408(12) #426(5)
and #1228 accessories as a minimum.

Disposable respirator AS34: \$12.30
(10 Filters AS34: \$12.10T
(100) Polyethylene gloves AS34: \$5.75T
(100) Latex gloves AS34: \$16.95T
(12) Cloth gloves AS34: \$9.50T
(1pr) Butyl Gloves AS34: \$12.70
(1box) mixing Sticks AS29: \$10.40
2 lbs Flox AS19: \$3.70
2 lbs Glass bubbles AS19: \$12.60T
(200)8oz cups AS29: \$19.30T
(200)3oz cups AS29: \$7.70T

Heat Guns
SF: \$89.50
\$49.00, \$99.00

TR5: 46" wide peel ply:
5yds \$10.00
TR5: \$24.00
SF: \$69.50 Dremel

Fedco \$72.00+ Dremel
TR5: box masks \$20.80T

TR5: \$18.50T

TR5: \$10.00
TR5: \$2.60
TR5: \$3.00

Get "ZAP" at a nearby

Single Edge blades, one box	AS28: \$5.95	model store.
(24)1" Brushes	AS28: \$9.60T	
(24)2" Brushes	AS28: \$14.40T	
(1)Bondo	AS19: \$15.30 Gal.	
(1)#77 3M Spray Adhesive	AS21: \$8.08 can	
(1)Voltage control	AS23: \$44.00	Borrow one
better get homebuilders spcl:	AS23:\$16.85	
(Spool)Safety wire (.41!)	AS23: \$1.00	
(1)Epoxy ratio Pump	AS23: \$145.00	TR5: \$150
		Info on Pump from
(1)Boring Tool	AS30: \$29.50 KB: \$29.50(LE2625)	Sticky Stuff, Michael
On tools: see CP 34/9 and 29/8.		Engineering Co.
A boring tool is a waste of hours- get the		4997 So Crawford
countersink instead -	AS30: \$34.95	MT. Pleasant, MI.
if you can't borrow it.		TR5: 25 clecos \$12.50T
		Cleco pliers \$6.95
		TR5: Fiberglass
		cutting Shears \$26.00

CHAPTER 2: BILL OF MATERIALS

Aircraft Spruce has listed the following prices on basic categories:

IF YOU BUY the SPUCE KIT COMPLETE - you get:

Epoxy	AS4: \$506.00T	Squadron 1 can get
Foam	AS4: \$910.00T	about 30% off on
Fiberglass	AS4: \$823.50T	epoxy, some savings
Filler Material	AS4: \$28.90T	on foam too.
Wood	AS4: \$58.00T	Squadron 2 may get
Aluminum extrusions	AS4: \$55.77T	bearings 30% off.
Sheet Metal	AS4: \$24.02T	
Metal Tubing and Rod	AS4: \$93.71T	
Hardware	AS4: \$170.42T	
Cable and Cable Hardware	AS4: \$45.15T	
Plumbing and conduits	AS4: \$20.57T	
Miscellaneous	AS4: \$274.80T	
TOTAL:	AS: \$3038.74T	
plus packing	AS?: \$35.00	
	AS?: \$3073.74T	

(kit does not include wheels/brakes/tires for approx \$445)

IF YOU DON'T BUY A COMPLETE KIT BUT BUY IN SECTIONS:

CHAPTER 3: EDUCATION

DESCRIPTION	COSTS	
<u>Prefab parts:</u>	None	
<u>Hardware:</u>	None	
<u>Glass:</u>		
1.1 yd BID (\$3.52 worth)	AS9: (purchase 50yd roll \$165.00 or AS Practice kit)	To be sure it is HEXEL, buy full rolls TR5: \$187.50
0.1 yd UND (\$.32 worth)	AS9: (purchase 50yd roll \$162.50 or AS Practice Kit)	TR5: \$217.50

Epoxy:

0.1 gallons (\$3.82 worth) AS16: (purchase 1.25gal=
\$48.50 or AS Kit)

Foam:

1 board ft urethane (tan) AS18: (purchase:
(\$.09worth) (1) 24 x 48 x 1/2" for \$3.78,
(1) 24 x 48 x 1" for \$5.41.
(1) 24 x 48 x 2" for \$10.96.

(OR Practice kit (\$49.95)

(Chap. 3 total: AS \$396.15 - not included in later totals)

See Cp 34/4 on unauthorized prefab parts.

The following totals for each chapter make these assumptions:

1. You don't buy more than the practice kit for chapter 3.
2. You buy Brock hardware (although Chapter 5 material is easy to build for considerable savings.
3. You only buy Task's nose gear, main gear and strakes.
4. If the item is not on Rutan's list and therefore not in the chapter totals, it is in brackets.

CHAPTER 4: FUSELAGE BULKHEADSDESCRIPTIONCOSTS

Prefab parts:

None

→

(TASK RESEARCH sells a Bulkhead kit TR1: \$733.00; see Task catalogue for individual bulkhead parts)

Hardware:

(You may consider hardware kit alone or an assorted hardware kit AS60)

6 AN509-10R10 Screws AS66: \$.48

Glass:

3 yds. UND (AS9: purchase 50yd roll:
\$162.50 if didn't in Chp 3.) 10
5 yds. BID (AS9: purchase 50yd roll:
\$165.00 if didn't in Chp 3.) 20

Epoxy:

0.5 gallons (AS16: 1.25 gal: \$48.50 25
if didn't buy in Chp 3.)

→

Buy 1 gallon each part from Dick Kreidel if didn't in Chapter 3 \$70?

Foam:

8 sq. ft of H45 tan CP34/7 AS18: purchase:
(1) 26 x 47 x 3/4": \$27.03 27
9 sq. ft of H250 CP34/7 AS18: purchase:
(2) 26 x 30 x 1/4: \$43.15 43

Wood:

1 pc 24" x 30" x 1/4" AS39: purchase: 20
5-ply birch plywood (\$17.40?)
or quarter sheet: (\$21.53?)
better to buy all wood for \$58.00T

Metals:

(Suggest you wait for Ch 15)
 (1 pc 24" x 30" x .016 2024T3 AS52: \$12.65)
 (Misc: (Suggest you wait for Chapter 15)
 (24" x 30" 970-F .040 thick AS32: \$3.75)
 fiberfrax)
 (bracketed itemes not in-
 cluded in totals) Ch 4 Total: AS: ~~\$472.56~~
 \$521.06

CHAPTER 5: FUSELAGE SIDES

DESCRIPTION	COSTS
<u>Prefab Parts:</u>	
(2) LIGA Assembly (see "Metal" below)	KB37:
LMGB2 aft mount	\$80.00set
LMGB1 fore mount	\$45.00set
LMGB-B bushings	\$13.00set
LIGA tubes	<u>\$23.90set</u>
	KB Tot: \$161.90

<u>Hardware:</u>	
(2) AN6-80A bolts	AS60: \$9.80T
(16) AN4-16A bolts	AS60: \$5.60T
(4) AN960-616 washers	AS69: \$.12T
(32) AN960-416L Washers	AS69: \$.32T
(16) MS21042-4 Nuts	AS64: \$3.68T
(2) An363-624 Nuts	AS64: \$.48T

G: \$?
 G: \$5.12

<u>Glass:</u>	
9 yds UND	will use 12.1 yd of 50yd roll
3 yds BID	will use 9.1 yd of 50yd roll

<u>Epoxy:</u>	
0.8 gallons	AS16: 1.25 gal: \$48.50 used:1.4

Buy 1 more gallon
 resin from Kreidel
 \$35(?)

<u>Foam:</u>	
32 sq. ft. 3/4" H45	AS18: purchase:
(CP34/7)	(4) 26 x 47 x 3/4" tan \$108.12T
3 sq. ft. 1" thick urethane	AS18: purchase:
foam, green	(1) 24 x 48 x 1": \$5.41

<u>Wood:</u> (If you didn't buy whole set in Chapter 4)	
(3 pcs 104" long 0.7 x 1"	AS38: (3) 3/4 x 1 x 104:
spruce longerons	\$17.55T)
(5 pcs 60" of 0.4 x 0.7	AS38: (5) 1/2 x 3/4 x 60:
spruce stiffener	\$9.75T)
(2 pcs 105: of 0.7" x 0.7"	AS38: (2) 3/4 x 3/4 x 105:
triangle spruce	\$9.45T)
(1 pc 48" of 0.7" x 0.7"	AS38: (1) 3/4 x 3/4 x 48:
triangle spruce	\$4.32T)

<u>Metal:</u>	
24" 1/4" x 2" x 2" 6061-T6	AS54: \$7.08T
extruded angle	

AS Tot: ~~\$188.79~~ 189.11
 Chap. 5 Total: \$350.69.91

(Check around,
 many have purchased
 KB kits and this
 metal for the same
 part)

CHAPTER 6: FUSELAGE ASSEMBLY

DESCRIPTION	COSTS
<u>Prefab Parts:</u>	
NB - nose wheel box cover	AS32: \$19.95*

*Talk to Bob
 Bowker on a
 much cheaper
 solution - buy
 Alum - have
 the things
 made by w/c
 tool & dye
 maker.*

Hardware: None
Glass:
 6 yd BID will use 15.1 yd of 1st 50yd roll BID
Epoxy:
 0.4 gallons will use 1.8 gal of 2.5 gal Buy 1 gallon each from Kreidel (\$70)
Foam:
 16 sq. ft H45 tan 1 3/4" AS18: purchase:
 (CP34/7) (2) 26 x 47 x 1 3/4": \$119.70
 Chap 6 Total: AS ~~\$137.55~~ 139.65

CHAPTER 7: FUSELAGE EXTERIOR

DESCRIPTION	COSTS
<u>Glass:</u>	
14 yd UND	will use 26.1 yd of 50yd roll UND
<u>Epoxy:</u>	
0.85 gallons	AS16: 1.25 gal \$48.50 Used: 2.65
Chap 7 Total: AS \$48.50	

CHAPTER 8: ROLL OVER/SEAT BELTS

DESCRIPTION	COSTS
<u>Prefab Parts:</u>	
(1) Step (optional for you tall people)	KB43: \$5.30
(2) Seat Belt/Shoulder each seat:	KB43: \$64.95
(Harness assy.	AS: \$99.70T)
	KB TOT: \$135.20
<u>Hardware:</u>	
(6) AN525-416R16 Screws	AS67: \$1.08T
(2) AN509-416R18 Screws	AS67: \$.44T
(2) AN509-416R14 Screws	AS66: \$.32T
(4) AN4-5A bolts	AS60: \$.80T
(2) AN4-10A bolts	AS60: \$.50T
(16) AN960-416L Washers	AS69: \$.16T
(2) AN970-4 Washers	AS69: \$.12T
(16) MS21042-4 Nuts	AS64: \$3.68T
<u>Glass:</u>	
2 yd BID	will use 17.1 yd of 50yd roll BID
<u>Epoxy:</u>	
.1 gallons	will have used 2.75 gal of 3.75 gal
<u>Foam:</u>	
4 sq. ft H45 tan (CP 34/7)	AS18: Purchase: (1) 34 x 47 x 3/8" Tan: \$17.90
<u>Metal:</u>	
8" of 1/8" x 1" x 1" 2024T3 Alum. Angle.	AS54: \$4.60 per foot
<u>Wood:</u>	
Scraps of 1/4" plywood from firewall.	

29.60T
 AS Tot: ~~\$129.30T~~
 Chap 8 Total: ~~\$264.50~~ /64,80

CHAPTER 9: MAIN GEAR/LANDING BRAKE

DESCRIPTION	COSTS	
<u>Prefab Parts:</u>		
(Wheel fairings (pants))	(AS32: \$137.50)	
	(or \$164.20)	For Cleveland 66-2
(Wheel fairing hardware)	(AS32: \$16.80)	linings G:\$2.50ea
	(or \$23.38)	Airborne 310 linings
		G:\$2.20
MG1-L "S" glass main gear strut		
1 set of Cleveland 500 x 5		
wheels/brakes	AS135:\$318 KB37: \$324.50T	
(with chrome disks,	KB37: \$410.00T)	
(2) Goodyear tires, 3.40 x 5.		11.400 x 5 tire
6 ply industrial rib and tube	AS143:\$45.26T	SF: \$31.50 w/tube
(2) Goodyear tires, & tubes 5.00 x 5,		(lighter 6 ply uses
6 ply flight special IIs	AS143:\$124.27T	5" wheels.)
see CP 26/5, 29/6 31/10 for tires	\$60.00?	
((2) McCreary Tubes & Tires 500 x 5	KB37: \$98.10T	
(2) Axles for Cleveland 500 x 5		Lamb tires/tubes:
wheels (AX5A)	KB37: \$58.90T	HS\$63.00T
(Aircraft Spruce also lists main gear axles/nuts		
and spacers for	AS146: \$59.50T)*	McCreary Airhawk 500
(we've heard the axles have wrong radius at base)		
(Aircraft Spruce lists Wheels/brakes/tires for:		by 5 6ply W:\$40.44
	AS135: \$343 to \$445T)	McCreary Airtrack
see CP 24/7, 27/8, 29/5 on wheels/brakes		5.00 x 5 6pl W:\$35.16
TSO'd set 40-78B wheel		
brake		and Disc, 2 30-9B
		and 2 500 x 5 4ply
		tire w/tube W:\$350T
		TSO'd 500 x 5 Cleve.
		wheel & disc brake
		W:\$150/pr
		Wheel pants:
		400x5: HS\$150
		500x5: HS\$165
		WT: \$27.00(polished)
(1) LB-12345 Weldment (landing		
brake)	KB36: \$19.00	
(Brock also sells Backup Rings-A484	KB37: \$14.00T)**	
(Brock also sells Castle Nuts-J1.25	KB37: \$7.50T)**	
(1) LB-6 Spacer	KB36: \$2.25	
(1) LB-10 Aluminum arm	KB36: \$3.75	
(1) LB-11 Spring Clip	KB36: \$1.40	
(1) LB-131415 Handle assbly	KB36: \$19.50	
((1) LB-14 bearing alone	KB36: \$3.75)	
(2) LB-16 Spacers	KB36: \$2.80T	
(2) LB-18 Brackets	KB36: \$5.50T	
(1) LB-21 Treaded Rod	KB36: \$4.50	
(3?) LB-22 Inserts	KB36: \$2.85T	
(2) LB-20 Rod End Bearings)	KB36: \$18.00T	
	Tot: KB \$472.95 561.05	

(This is a good time to mount a landing light
(1) LEZ-LL Landing Light Assembly KB43: \$34.00)

GE4509 landing lt
G: \$9.55

(Check plan pages for 4 big washers for landing gear mounting tubes.)

Hardware:

(4) AN3-7A Bolts AS60: \$.72T
(5) AN4-5A Bolts AS60: \$1.00T
(8) AN4-22A Bolts AS60: \$3.04T
(1) AN4-24A Bolts AS60: \$.40
(1) AN4-26A Bolts AS60: \$.45
(2) AN525-10R8 Screws AS60: \$.16T
(6) AN525-10R10 Screws AS67: \$.54T
(25) AN960-416L Washers AS69: \$.25T
(24) AN960-10L Washers AS69: \$.24T
(4) AN960-1016 Washers AS69: \$.44T
(12) MS21042-3 Nuts AS64: \$2.28T
(10) MS21042-4 Nuts AS64: \$2.30T
(2) AN316-4 Nuts AS63: \$.24T
(1) K1000-4 Nutplate AS64: \$.25
(2) 90° Nyloseal(?) #269P AS82: \$1.96T?

G: \$.60T
G: \$.80T

Brass Fitting

(2) AN100-3 Thimbles AS93: \$.22T
(3) 18-1-C Nicopress sleeve AS93: \$.39T

Glass:

5 yd BID, will use 22.1 yd/ 1st 50yd
roll BID
10 yd UND will use 36.1 yd/1st 50yd
roll UND

Epoxy:

0.8 gallons will use 3.55 gal of 3.75 gal- Buy 1 gallon resin
(purchase 1.25 gallons soon) from Kreidel \$35?

Foam:

Urethane 24 x 24 x 1 use remainder of sheet ch 5

Metal:

16 sq. inches of .063 2024T3 AS52: \$.87?
Aluminum

Wood:

Scraps of 1/4" plywood

Misc:

(2) 10" Springs AS30: \$4.20T
12' of 3/16" x .024 wall
Nylaflo tubing AS85: \$1.68
3" of MS20001-P6 hinge AS55: \$23.90 for 36"
(use rest in chap. 18)
4 ft of 1/16" 7 x 7 cable AS95: \$.60
Phenolic 1/4" x 2" x 4" AS58: \$2.24 (see ch 16 too)
(2) Heim F34-14 or AS107: \$13.56T
Fafnir HM6 bearing AS107: \$14.46T
With HM6 need bushing AS107: \$2.00T

tot: AS: \$ 78.39

Chap 9 Total: \$ 639.44

CHAPTER 10: CANARD

(This is a good time to mount a landing light
(1) LEZ-LL Landing Light Assembly KB43: \$34.00)

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(Check plan pages for 4 big washers for landing gear mounting tubes.)

Hardware:

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(5) AN4-5A Bolts AS60: \$1.00T
(8) AN4-22A Bolts AS60: \$3.04T
(1) AN4-24A Bolts AS60: \$.40
(1) AN4-26A Bolts AS60: \$.45
(2) AN525-10R8 Screws AS60: \$.16T
(6) AN525-10R10 Screws AS67: \$.54T
(25) AN960-416L Washers AS69: \$.25T
(24) AN960-10L Washers AS69: \$.24T
(4) AN960-1016 Washers AS69: \$.44T
(12) MS21042-3 Nuts AS64: \$2.28T
(10) MS21042-4 Nuts AS64: \$2.30T
(2) AN316-4 Nuts AS63: \$.24T
(1) K1000-4 Nutplate AS64: \$.25
(2) 90° Nyloseal(?) #269P AS82: \$1.96T?

G: \$.60T
G: \$.80T

Brass Fitting

(2) AN100-3 Thimbles AS93: \$.22T
(3) 18-1-C Nicopress sleeve AS93: \$.39T

Glass:

5 yd BID, will use 22.1 yd/ 1st 50yd
roll BID
10 yd UND will use 36.1 yd/1st 50yd
roll UND

Epoxy:

0.8 gallons will use 3.55 gal of 3.75 gal- Buy 1 gallon resin
(purchase 1.25 gallons soon) from Kreidel \$35?

Foam:

Urethane 24 x 24 x 1 use remainder of sheet ch 5

Metal:

16 sq. inches of .063 2024T3 AS52: \$.87?
Aluminum

Wood:

Scraps of 1/4" plywood

Misc:

(2) 10" Springs AS30: \$4.20T
12' of 3/16" x .024 wall
Nylaflo tubing AS85: \$1.68
3" of MS20001-P6 hinge AS55: \$23.90 for 36"
(use rest in chap. 18)
4 ft of 1/16" 7 x 7 cable AS95: \$.60
Phenolic 1/4" x 2" x 4" AS58: \$2.24 (see ch 16 too)
(2) Heim F34-14 or AS107: \$13.56T
Fafnir HM6 bearing AS107: \$14.46T
With HM6 need bushing AS107: \$2.00T

tot: AS: \$ 78.39

Chap 9 Total: \$ 639.44

CHAPTER 10: CANARD

DESCRIPTION

COSTS

Prefab parts:

(2) CLT, Canard Lift tab (two parts) KB33: \$10.50T
 (2) NC-CLT NEW CANARD lift tabs KB44: \$12.50T

TR1: \$830.00 for
 canard, wing and
 winglet foam
 \$40 crating chg.

Hardware:

(6) AN4-7A Bolts AS60: \$1.38T
 (6) AN960-416L Washers AS69: \$.06T
 (6) K1000-4 Nutplates AS64: \$1.50T
 (12) AN426AD3-4 Rivets AS71: \$.2 ?

B
 G: \$1.26T

Glass:

17 yd UND will use 43.1 yd of 1st 50yd
 roll UND
 4 yd BID will use 26.1 yd of 1st 50yd
 roll BID

Epoxy:

1 gallon AS16: 1.25 gal \$48.50 used: 4.55

B
 Buy 1 gallon each
 from Kreidel \$70?

Foam:

(1) 1 x 6 x 10 H100 (cp34/7) AS18: \$3.95
 (2) 7 x 14 x 41 styrofoam AS18: \$39.00T
 (2) 7 x 14 x 64 styrofoam AS18: \$59.60T
 (1) 1 x 6 x 10 R100 AS18: (check plans
 & cps, this may be a duplicate of the H100)

Metal:

9 sq inches of 1/8" 2024-T3 AS52: \$1.18 ?
 aluminum

Wood:

see cp35/6 on dowels

tot: AS \$ 155.29
 Chap 10 Total: \$165.79 (old Canard)
 167.79 (new Canard)

CHAPTER 11: ELEVATORS

DESCRIPTION

COSTS

Prefab parts:OLD SYSTEM:

(7) CS2 Hinges with bushing KB33: \$36.75T
 (for replacement bushings KB33: \$.40ea)
 (9) CS3 Brackets KB33: \$17.10T
 (2) CS9 Plug KB34: \$8.20T
 (2) CS10 Lead weights KB34: \$9.50T
 (2) CS11 Lead weights KB34: \$7.50T
 (2) CS12 Bellcranks w/ bushings KB34: \$7.50T
 ((2) CS12-2 Bronze Bushing alone KB34: \$.90T)
 (1) PTB Belcrank KB43: \$5.25

old canard KB TOT: \$91.80 ~~37.80~~ 91.80

NEW CANARD:

(5) NC-2 Hinge Inserts KB44: \$49.75T
 (5) NC-3 Hinges KB44: \$18.75T
 (2) NC-3A Hinges KB44: \$9.00T
 (1) NC-5A Pitch Trim Belcrank KB44: \$29.50
 (2) NC-6 Plugs KB44: \$15.00T
 (2) NC-7 Hinge Jigs KB44: \$5.50T
 (1) NC-8L Hinge Pin 61" KB44: \$?
 (1) NC-8R Hinge Pin 36" KB44: \$?

(1) NC-12AL Left Control Arm	KB44: \$18.50
(1) NC-12Ar Right Control Arm	KB44: \$18.50
(2) NC-13 Spacer	KB44: \$.70T
(1) NCTT-L Left Torque Tube	KB44: \$37.50
(1) NCTT-R Right Torque Tube	KB44: \$25.50

Hardware: new canard tot: KB \$ 228.20

(2) AN3-6A Bolts	AS60: \$.26T	G: \$.24T
(2) AN3-15A Bolts	AS60: \$.46T	G: \$.44T
(4) AN3-10A Bolts	AS60: \$.80T	G: \$.60T
(9) AN509-10R7 Screws	AS66: \$.63T	
(4) AN509-10R14 Screws	AS66: \$.40T	
(7) AN525-10R10 Screws	AS67: \$.63T	
(22) AN960-10L Washers	AS69: \$.22T	
(23) MS21042-3 Nuts	AS64: \$.532T	
(2) AN470AD 4-5 Rivets	AS71: ?	
(15) Pop Rivets	AS71: ? (see plans page 11-2 bottom right)	
Avex 1601-0410 or Cherry MSP43		

Glass:

3 yd UND will use 46.1yd of 1st 50yd roll

Epoxy:

0.1 Gallons will use 4.65 gal of 5.0 gal

Foam:

Part of two 7 x 14 x 64 AS18: \$59.60T Check around for source of blue foam at 70% of AS prices.

blocks (page 10-1)

Metal:

1 pc. 62" of 1 1/4" O.D. x AS53: \$9.90
.035 wall 6061-T6 alum. tubing
1 pc. 80" of 1 1/4" O.D. x AS53: \$13.86
.035 wall 6061-T6 alum. tubing

tot AS \$ 92.08

Chap 11 Total \$ 320.28 new canard
183.88 old canard

CHAPTER 12: CANARD INSTALLATION

DESCRIPTION	COSTS
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Prefab Parts:

(2) CNL Aluminum Bushings	KB33: \$4.60T
(2) CN2 Steel Bushings	KB33: \$2.60T

Hardware:

KB Tot: \$7.20

(12) AN3-20A Bolts	AS60: \$.50T
(2) AN4-13A Bolts	AS60: \$.60T
(2) AN960-416L Washers	AS69: \$.02T
(2) AN970-4 Washers	AS69: \$.12T
(2) K1000-4 Nut plates	AS64: \$.50T
(4) AN426AD3-3 Rivets	AS71: .04?

Glass:

BID scraps

Epoxy:

Minimal amount

tot: AS \$ 1.79

Chap 12 Total: \$ 8.98

CHAPTER 13: NOSE & NOSE GEAR

DESCRIPTION

COSTS

SEE: CP25/1 on Nosegear and wheel well

Prefab Parts:

- (1) NG1-L "S" Glass strut
 (1) SC Fiberglass strut cover AS: \$17.85*
 (1) VENGR (NG50,51,53,54,55,56,57)

For Professional
 looking pitot tube
 WT:\$?

Worm Drive retraction assy.

- includes belcrank component KB38: \$144.00
 ((1) NG53 flat gear-you can reverse it one time
 before replacing it after gear up landing) KB38: \$29.35)
 ((1) NG58 worm gear KB38: \$16.50)
 ((1) NG58,60 & pin worm gear assbly) KB38: \$18.50)
 ((1) NG60 shaft KB38: \$2.50)
 (1) NG3 Bracket KB39: \$2.55
 (1) NG4 Bracket KB39: \$2.00
 ((1) NG10A/NG0 Assembly-not needed if you are using the LST
 spring assembly. (KB39: \$2.90 + 3.35)
 (1) NG6 Assembly (NG5,7,23,bushings
 and spacers KB39: \$20.00
 ((1) NG6-Casting only KB39: \$7.50)
 (2) NG8 Plates KB39: \$6.90T
 (Ken Brock also sells Inserts-NG9 KB39: \$3.35)
 (2) NG14 Spacer KB39: \$5.00
 (1) NG401A Castoring Nose wheel assy. KB38: \$149.95
 If you don't buy NG401A: Subparts:
 ((1)NG401A-1 Nose wheel less axle, wheel KB38: \$129.00)
 ((1)NG401A-5 Axle Assby KB38: \$7.60)
 ((1) NG15A-R Swivel Block KB39: \$28.20)
 or ((1) NG15A-C Casting only KB39: \$13.95)
 ((1) NG15-A1 Mounting Plate KB39: \$5.00)
 ((1) NG16C Casting only KB39: \$12.95)
 ((1) 20302 Wheel, tire, tube & bearings KB38: \$70.00)
 ((1) 20302-103 Wheel, bearings and races KB38: \$60.50)
 ((1) 20302-203 Wheel only KB38: \$44.00)
 (If not purchasing NG401A, get from AS:
 ((1) Standard nosewheel and 2.80 x
 2.50 x 4 tire & tube AS: \$45.35)
 (2) LE 2026 Rudder pedals KB43: \$45.00T
 (4) CS13 Bushings KB34: \$1.40T
 (1) LST Spring Strut, nose gear KB40: \$71.95
 ((1) Spring only KB40: \$13.40)
 ((1) Replacement O-ring KB40: \$.50)
 (1) NG59 flex coupling KB40: \$33.75
 (1) NG61L 20" Shaft KB40: \$4.60
 (1) NG63 Sleeve KB40: \$1.50
 (1) NG67 Phenolic Block KB40: \$2.20
 (1) NGA64 (64,65,68) V Crank Assby KB40: \$10.95

WT:\$43polished

Hardware:

KB TOT: \$ 501.75

- (3) AN525-10R10 Screws AS67: \$.27T
 (2) AN526-832-14 Screws AS67: \$.10T
 (8) AN509-10R14 Screws AS67: \$.80T
 (4) AN509-10R28 Screws AS67: \$1.00T
 (10) AN509 8R8 Screws AS67: \$.60T
 (3) AN4-10RA Bolts AS60: \$.75T

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(1) AN4-15A Bolts	AS60: \$.35	G:\$.33
(2) AN4-41A Bolts	AS60: \$2.32T	
(1) AN5-41A Bolt	AS60: \$1.50	
(2) AN3-6A Bolts	AS60: \$.26T	G:\$.24T
(2) AN3-7A Bolts	AS60: \$.36T	G:\$.30T
(2) K1000-3 Nut plates	AS64: \$.38T	
(10) K1000-8 Nut plates	AS64: \$1.90T	
(2) AN364-832 Nuts	AS64: \$.10T	
(19) MS21042-3 Nuts	AS64: \$3.61T	
(6) MS21042-4 Nuts	AS64: \$1.38T	
(1) AN365-524 Nut	AS64: \$.09	
(2) AN316-6 Nuts	AS63: \$.54T	
(14) AN960-10 Washer s	AS69: \$.14T	
(6) AN970-3 Washer s	AS69: \$.30T	
(7) AN970-4 Washer s	AS69: \$.42T	
(2) AN970-5 Washer s	AS69: \$.20T	
(4) AN426AD3-3 Rivets	AS71: ?	
(20) AN426AD3-4 Rivets	AS71: ?	

Glass:

7 yd BID will use 33.lyd of 1st 50yd
roll BID

Epoxy:

1/2 gallon AS16: 1.25 gal \$48.50 5.15 used

Foam:

10 sq. ft. 2" thick urethane

foam AS18:(2) 24 x 48 x 2": \$21.92T

(a few builders use blue foam as carving medium)

4.5 sq. ft. H250 have from chapter 4

(26 x 30 x 1/4")

(Good time to buy 2 part urethane:)

(2 gallons of X-40) (AS18:\$62.70)

14

Hastings plastic in
santa monica has a
better 2lb urethane
about \$49.00 for 2gal
TR5: \$\$17.00/Qt.

Metal:

2.5 x 3. x 1/8: 2024T3 alum. AS52: \$.80 ?
sheet

4 ft of 1/4" O.D.x.35 wall AS53: \$2.08
5052-0 aluminum

1 pc. .032 6061T6 AS?
alum. tube.

Misc:

4 ft of 3/8: OD x 1/4" ID AS85: \$3.16
tygon tubing

(1) 0715-153 tee AS83: \$.65

(2) 0700-153 adaptor s AS83: \$.30T

(2) HM-6 rodends (RE4M6) AS107: \$16.46T with bushings

BE SURE TO ORDER BUSHING tot: AS: \$130.97

Chap 13 Total: \$632.72

CHAPTER 14 CENTER SECTION SPAR

DESCRIPTION	COSTS
-------------	-------

Prefab Parts:

(2) SH1 Aluminum straps	KB43: \$2.20T
-------------------------	---------------

Hardware:

(4) AN4-15A Bolts	AS60: \$1.40T	G:\$1.32T
(10) AN4-16A Bolts	AS60: \$3.50T	G:\$3.20T
(2) AN4-17A Bolts	AS60: \$.70T	G:\$.66T

(32) AN960-416L Washers
(16) MS21042-4 Nuts

AS69: \$.32T
AS64: \$3.68T

Glass:

AS9: buy 2nd 50 yd roll
UNI: \$162.50

18 yd UNI will use 11.1yd of 2nd roll
(reflects change in CP)

6 yd BID will use 38.1yd of 1st roll

50 yds 3" wide x .035 UND AS15: \$27.50 or

Tape thickness varies.

So make a trial layup, or (\$74 for 180 yd roll)
fill up the space

Epoxy:

2 gallons AS16: 1.25gal=\$48.50 7.15 used

Foam:

10 sq. ft. 1/4" H100 tan AS18: Purchase:
(2) 34 x 37 x 1/4": \$49.92T

Metal:

3ft of 1/8" x 1" x 1" alum. AS54: \$4.41
angle.

30" 1/8" x 2" 2024-T3 alum. AS54: \$6.68
bar

12" 1/4" x 2" 2024-T3 alum. AS54: \$4.41
bar

Wood:

(1 ft 1 x 1 spruce AS36: \$.85)

AS tot: \$ 313.52

Chap 14 Tot: 315.72

(THIS IS A GOOD TIME TO GET THE ENGINE MOUNT, IF YOU DON'T
MIND BEING LIMITED TO A PARTICULAR VERSION OF AN ENGINE,
TO MAKE EXTRUSIONS PERFECT FIT (INSTEAD OF CH 23))

CHAPTER 15: FIREWALL AND ACCESSORIES

HINT: The next 2 1/2 chapters (15, first half 16 and
17-you do second half 16 during 19) go very quickly.
Get your supplies through canopy and order your canopy
now. If you want to have cowl on hand to fair the turtle
deck from canopy to cowl, order it now too.

DESCRIPTION

COSTS

Prefab Parts:

(2) CS15 Belcrank with bearing	KB34: \$16.50T
(4) CS71 Brackets	KB34: \$8.00T
(2) CS72 Brackets (4 pcs.)	KB34: \$10.00T
(2) CS75 Bushings	KB34: \$1.80T
(2) BA Brake arms	KB33: \$7.00T
(these BA unnecessary if mounting brakes forward)	
((2) T-18 Master Cylinder	KB37: \$107.00T)
((2) 227-6 Reservoir (not listed this cat. was \$14.90T)	
	tot: KB: \$43.30

19

(1) AN4-15A Bolts	AS60: \$.35	G:\$.33
(2) AN4-41A Bolts	AS60: \$2.32T	
(1) AN5-41A Bolt	AS60: \$1.50	
(2) AN3-6A Bolts	AS60: \$.26T	G:\$.24T
(2) AN3-7A Bolts	AS60: \$.36T	G:\$.30T
(2) K1000-3 Nut plates	AS64: \$.38T	
(10) K1000-8 Nut plates	AS64: \$1.90T	
(2) AN364-832 Nuts	AS64: \$.10T	
(19) MS21042-3 Nuts	AS64: \$3.61T	
(6) MS21042-4 Nuts	AS64: \$1.38T	
(1) AN365-524 Nut	AS64: \$.09	
(2) AN316-6 Nuts	AS63: \$.54T	
(14) AN960-10 Washer s	AS69: \$.14T	
(6) AN970-3 Washer s	AS69: \$.30T	
(7) AN970-4 Washer s	AS69: \$.42T	
(2) AN970-5 Washer s	AS69: \$.20T	
(4) AN426AD3-3 Rivets	AS71: ?	
(20) AN426AD3-4 Rivets	AS71: ?	

Glass:

7 yd BID will use 33.1yd of 1st 50yd
roll BID

Epoxy:

1/2 gallon AS16: 1.25 gal \$48.50 5.15 used

Foam:

10 sq. ft. 2" thick urethane
foam AS18:(2) 24 x 48 x 2": \$21.92T
(a few builders use blue foam as carving medium)
4.5 sq. ft. H250 have from chapter 4
(26 x 30 x 1/4")
(Good time to buy 2 part urethane:)
(2 gallons of X-40) (AS18:\$62.70)

14

Hastings plastic in
santa monica has a
better 21b urethane
about \$49.00 for 2gal
TR5: \$17.00/Qt.

Metal:

2.5 x 3. x 1/8: 2024T3 alum. AS52: \$.80 ?
sheet
4 ft of 1/4" O.D.x.35 wall AS53: \$2.08
5052-0 aluminum
1 pc. .032 6061T6 AS?
alum. tube.

Misc:

4 ft of 3/8: OD x 1/4" ID AS85: \$3.16
tygon tubing
(1) 0715-153 tee AS83: \$.65
(2) 0700-153 adaptor s AS83: \$.80T
(2) HM-6 rodends (RE4M6) AS107: \$16.46T with bushings
BE SURE TO ORDER BUSHING tot: AS: \$130.97
Chap 13 Total: \$632.72

CHAPTER 14 CENTER SECTION SPAR

DESCRIPTION	COSTS
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Prefab Parts:

(2) SH1 Aluminum straps	KB43: \$2.20T
-------------------------	---------------

(This is also a good time to get the engine mount so you can properly fit extrusions through firewall with minimum slop.)

Hardware:

(2) AN509-10R8 Screws	AS67: \$.14T	
(10) AN3-6A Bolts	AS60: \$1.30T	G:\$120T
(4) AN3-7A Bolts	AS60: \$.72T	G:\$.60T
(2) AN4-10A Bolts	AS60: \$.50T	G:\$.44T
(2) AN4-11A Bolts	AS60: \$.50T	
(34) AN960-10L Washers	AS69: \$.34T	
(18) AN960-416L Washers	AS69: \$.18T	
(22) MS21042-3 Nuts	AS64: \$4.18T	
(4) MS21042-4 Nuts	AS64: \$.92T	
(4) AN380-2-3 Cotter pins	AS70: \$.04T	

Misc:

(2) AN210-2A pulleys	AS98: \$7.88T	
(2) Cleveland 10-35	AS144: \$.72T	
(2) Nyloseal#269-P elbows	AS83: \$1.96T (polyflow)	

Note: Kreidel highly recommends semi-metallic brake shoes

Metal:

6" of 1/8 x 1" x 1 1/2" 2024T3 AS54: \$3.10
extruded angle

(GOOD TIME TO GET FIBER RAX AND ALUM IF SKIPPED EARLIER)

(Chapter 4) tot: AS \$ 93.76

Chap 15 Total: \$137.06

CHAPTER 16: CONTROL SYSTEM PART I (before wings)

DESCRIPTION COSTS

SEE CP 26/1 on Stick Grip

Prefab Parts:

(2) LESG1 stick grips	KB42: \$31.90T	Get cheaper at
(2) CS1 inserts	KB33: \$2.20T	a ski rental shop
(4) CS17 spacers	KB34: \$1.60T	
(2) CS1A inserts	KB33: \$5.50T	
(2) CS201 Bushings	KB35: \$0.90T	
(1) CS122-124 Belhorn	KB35: \$9.45	WT:\$10.50
(2) CS202 Bushings	KB35: \$0.90T	
(1) CS181 Inserts	KB35: \$3.95	
(2) CS112 Bushings	KB35: \$2.80T	

((1) CS120 Universal

KB35: \$21.30)

WAG AERO has these
at about \$12.50

Don't need if buy Aircraft Spruce

Box 181, Lyons WI

((1) CS123 Bearing

KB35: \$2.15)

53148 \$2 postage

Don't need if buy Aircraft Spruce

(order 4)

tot: KB \$59.20T

Hardware:

(2) AN3-13A Bolts	AS60: \$.46T	G:\$.40T
(1) AN4-15A Bolt	AS60: \$.35	G:\$.33T
(1) AN4-17A Bolt	AS60: \$.35	G:\$.33T
(4) AN3-7A Bolts	AS60: \$.72T	G:\$.60T
(2) AN4-20 Bolts	AS60: \$.70T	
(5) AN3-11A Bolts	AS60: \$1.00T	G:\$.80T
(2) AN3-6A Bolts	AS60: \$.26T	G:\$.24T
(2) AN3-5A Bolts	AS60: \$.26T	G:\$.22T
(16) AN960-10 Washers	AS69: \$.16T	

(8) AN960-416 Washer s	AS69: \$.08T
(5) AN970-3 Washer s	AS69: \$.25T
(2) AN960-1016 Washer s	AS69: \$.22T
(15) MS21042-3 Nuts	AS64: \$2.85T
(2) MS21042-4 Nuts	AS64: \$.46T
(2) AN310-4 Nuts	AS63: \$.26T
(2) AN316-4 Jam nuts(cs102)	AS63: \$.20T
(16) AN100-3 Thimbles	AS93: \$1.76T
(4) AN100-4 Thimbles	AS93: \$.48T
(10) AN470AD4-10 rivets	AS71: \$.30T
(4) 18-2-G Nicopress Sleeve	AS93: \$.60T
(1) AN393-19 Clevis pin	AS70: \$.18T
(1) AN416-1 Safety pin	AS70: \$.18T
(2) AN380-2-2 Cotter pin	AS70: \$.02T
(8) 1/8" Pop rivets	AS71: \$. ?

Glass:

2 yd BID will use 40.1yd of 1st 50yd
roll BID

Epoxy:

0.1 Gallon will use 7.25 gal of 7.5 gal
(good time to get 1.25 gal)

Foam:

3/8" thick type H45 tan PVC AS18: purchase: (1 left ch 8)
(1) 34 x 47 x 3/8": \$17.90

Metal:

15sq. inch .063 2024-T3 alum. AS52: \$7.50 ?
(1) 6ft 1/2" x .035 wall 2024-T3 AS53: \$7.23T
alum tubing
(2) 6 ft pcs 3/4" x .058 wall AS53: \$16.20T
6061-T6 alum tubing
3 ft. 5/8" x .049 wall 4130 AS45: \$6.06
steel tubing

Phenolic:

1/4" thick sheet 2" x 12" AS58: \$6.72

Don't need this
if you use new
metal bearings

Wood:

4" x 6" of 1/4" plywood (firewall (left from ch 4))

Misc:

(1) MS20271-B10 Universals AS115: \$25.08T
(2) HM-3 HEIM rodends AS107: \$10.70T
(2) HM-4 HEIM rodends AS105: \$11.90T
22 ft. of 3/32" dia. 7 x 19 AS95: \$6.82
stainless steel cable
14 ft of 3/16 x .025 Nylaflo AS85: \$1.96
tubing (33NSR)

WAG AERO has these
at about \$12.50!

(1) Boston FB 1013-8 Bronze AS115: \$2.90

AS tot: \$ 133.07
sub-Chap. tot: \$ 192.14

CHAPTER 16 PART II (don't need these til Chapter 19)

(8) CS1 Inserts	KB33: \$8.80T
(2) CS131 Spacers	KB35: \$2.80T
(2) CS128 Belcrank w/Bearings	KB35: \$16.50T
(4) CS127 Brackets	KB35: \$7.00T
(2) CS132L Belhorn	KB35: \$23.30T

CS132/133 WT:\$10.50

(2) CS131 Inserts

KB35: \$7.90T

Hardware:

KB tot: \$66.30

(8) AN3-7A Bolts	AS60: \$1.44T	G:\$1.20T
(8) AN3-11A Bolts	AS60: \$1.60T	G:\$1.28T
(12) AN3-5A Bolts	AS60: \$1.56T	G:\$1.32T
(2) AN3-16A Bolts	AS60: \$.50T	G:\$.50T
(74) AN960-10 Washers	AS69: \$.74T	
(10) AN970-3 Washers	AS69: \$.50T	
(2) AN960-1016 Washers	AS69: \$.22T	
(30) MS21042-3 Nuts	AS64: \$5.70T	
(12) AN100-3 Thimbles	AS93: \$1.44T	
(20) AN470AD4-10 rivets	AS71: \$.40T	
(8) 18-1-C Nicopress Sleeve	AS93: \$1.04T	
(8) 18-2-G Nicopress Sleeve	AS93: \$1.20T	
(4) AN393-9 Clevis pin	AS70: \$.60T	
(2) AN393-19 Clevis pin	AS70: \$.36T	
(6) AN416-1 Safety pin	AS70: \$1.08T	

Metal:

(1) 6ft 1/2" x .035 wall 2024-T3	AS53: \$8.28
(1) 6ft 3/4 x .058 wall 6061-T6 alum tube	AS53: \$8.10

Misc:

(2) Ms20271-B10 Universals	AS115: \$50.16T
(8) HM-3 Heim rodends	AS107: \$42.80T
32 ft of 1/16" dia. 7 x7 stainless steel cable	AS95: \$4.80T

AS sub-tot: \$ 133.02

Sub-chapt. total: \$199.32

Good time to buy the
alternative suggested
by Squadron 1
(torrington
bearings).

CHAPTER 17: ROLL/PITCH TRIM SYSTEM

DESCRIPTION

COSTS

Prefab Parts:

(1) PTH Aluminum Handle	KB43: \$10.95
(1) RT1 Handle	KB43: \$6.65
(2) RT2 Steel bracket (L & R)	KB43: \$4.50T

Hardware:

tot: KB: \$22.10

(1) AN3-6 Bolt	AS60: \$.13	
(1) AN3-7 Bolt	AS60: \$.18	
(3) AN3-11A Bolts	AS60: \$.60T	G:\$.48T
(1) AN3-13A Bolt	AS60: \$.23T	G:\$.20T
(14) AN960-10 Washers	AS69: \$.14T	
(1) AN970-3 Washer	AS69: \$.05	
(4) MS21042-3 Nuts	AS64: \$.76T	
(2) AN310-3 Nuts	AS64: \$.24T	
(2) AN380-2-2 Cotter pins	AS70: \$.06T	
(8) AN100-3 Thimbles	AS93: \$.96T	
(4) 18-1-C Nicopress Sleeve	AS93: \$.52T	
(4) Phenolic Washers .5 OD x 3/16" I.D. x 1/16"	AS69: \$.96T	

Glass:

BID scraps

Epoxy:

Minimal

Wood:

1/4 plywood scraps(firewall) see ch 4

Misc:

(1) .35 x .05 steel springs 30" AS32: \$4.00
(cut to 6" and 2" long)

Refer to tension spring Long EZ

4ft 1/16" x 7 x 7 cable AS95: \$.60

(2) .35 x .06 compression AS95: \$2.40T
spring .5" long

AS tot: \$ 11.83
Chap 17 Total: \$ 33.93

for more positive
springs:
SF \$15.00T

CHAPTER 18: CANOPY

SEE: CP 31/1, 29/5 or 24/7 on canopies

Prefab Parts:

(1) Long-EZ Plexiglass canopy RAF: Clear \$199,
May have to get out of the Green \$229 Smoke or
mid-west. Bronze \$249

(1) C1-L Handle KB40:
(2) C2-L Arms "
(2) C3 Lugs "
(1) C4 Block "
(2) C5 Rods "
(2) C6 Tubes " \$36.95kit
(1) SC1 Catch KB40: \$5.95
(1) C21 Handle KB33: \$3.25
(6) CS13 Spacers KB34: \$2.10

tot: KB \$ 48.20

((1) FEGAS Spring Assembly AS55: \$24.50)
or ((1) Brock Throw over stay KB40: \$34.95)

Hardware:

(8) AN509-10R30 Screws AS67: \$2.08T
(8) AN509-10R10 Screws AS67: \$.64T
(3) AN525-10R10 Screws AS67: \$.27T
(8) AN525-10R12 Screws AS67: \$.80T
(1) AN525-10R16 Screws AS67: \$.15
(1) AN525-10R24 Screw AS67: \$.20
(1) AN3-10A bolts AS60: \$.18 G:\$.15
(3) AN3-13A bolts AS60: \$.69T G:\$.60T
(3) AN3-7A bolts AS60: \$.54T G:\$.45T
(2) AN3-4A bolts AS60: \$.26T
(2) AN3-6A bolts AS60: \$.26T G:\$.24T
(1) AN3-12A bolt AS60: \$.20 G:\$.18
(4) AN470AD3-7 Rivets AS71: ?
(53) AN960-10L Washers AS69: \$.53T
(6) AN970-3 Washers AS69: \$.30T
(35) MS21042-3 Nuts AS64: \$6.65T
(2) 18-1-C Sleeves AS93: \$.26T
(2) AN100-3 Thimbles AS93: \$.22T

Glass:

7 yds BID will use 47.lyd of 1st 50 yd
roll BID
AS9: Buy 2nd roll BID: \$165.00
2 yd. UND will use 13.lyd of 2nd 50yd

roll UND

Epoxy:

0.8 gallons AS16: 1.25 gal \$48.50 8.05 used

Foam:

1" x 2" urethane (see plans pg2-3)
(should have from 5,9,13 & 14)
(good to use a 2 part 2 lb. urethane:)
(2 gallons of X-40 is good (AS18: \$62.70)
(If you didn't buy it for nose.)
2gal.

Hastings Plastic:
of Santa Monica
costs \$49 for

Misc:

16" MS20001-P6 Hinge (should have from ch.9)
(2) 4" long .35 x .05 steel AS20: \$1.80T
spring.
10" 32 gauge steel piano wire AS55: 32GA (.089" dia), 40'
for \$2.25)
(50' reel of P-strip AS 32 & 90: \$20.50)

Metal:

1 1/2" x 5" x .032 2024-T3
Aluminum AS52: \$.25?
8" 1/8" x 1" x 1" 2024-T3 AS54: \$4.60/ft
Alum. angle
5" x 5" x .025 2024-T3 Alum. AS52: \$.51

Misc:

1ft 1/16 x 7 x 7 cable AS93: \$.15
3 pcs 5/16 O.D. x .028 wall AS3 : \$5.70T
fiberglass arrow stock
(If you are using a strut to attach the cross brace
behind the head reast, you only need 2 arrow stock)
16" of MS20001-P6 Hinge AS55: \$23.90
(save 1/2 for ch 20)
2 1/2" MS20257-P2 Hinge AS55: 36" for \$3.60
Hartwell H-5000-2 flush
latch AS266: \$4.50
1/2 gal of spraylat too plus AS56: \$17.70
Get a 3-4" brush if you don't have spray equip.

h
G:\$3.00

tot: AS \$ 292.69
Chap 18 Total: \$ 539.89 incl canopy

CHAPTER 19: WINGS, AILERONS/WING ATTACH

DESCRIPTION COSTS
SEE CP 28/9 on Wing Tip Lights
((1) LE2625 Boring Tool KB43: \$29.50)

Prefab parts:

(12) LWA9 Bushings KB43: \$51.00
(2) A2 Brackets KB33: \$4.50
(4) A5 Brackets KB33: \$8.00
tot: KB \$63.50

h
Don't waste time on it

(TASK RESEARCH has
canard, wing and
winglet foam for
TR:\$830.00T plus
crate:\$40.00)

Hardware:

(12) AN960-816 Washer s AS69: \$.60T
(10) AN960-816L Washer s AS69: \$.50T
(14) AN960-10L Washer s AS69: \$.14T

(14) K1000-3 Nut plates	AS63: \$2.66T
(6) AN363-820 Nuts	AS64: \$4.80T
(28) AN426AD3-3 Rivets	AS70: ,28 ?
(14) AN525-10R8 Screws	AS67: \$1.12T

Glass:

70 yds. 3" wide x
.035 UND tape

AS15: purchased ch 14
(180yd \$74)
Buy 3rd 50 yd roll UND
(You should have two on
hand; according to plan
you will have 15 yds left
over however)

56 yds UND

AS9: \$162.50
will use 19.1yd of 3rd 50yd
roll UND

9 yds BID

will use 6.1yd of 2nd 50yd
roll BID

Foam:

(10) 7 x 14 x 64 styrofoam
blocks
(4) 7 x 14 x 41 styrofoam
blocks

AS18: (6) \$298.80 (should have
(4) partially used left)
AS18: (2) \$39.00 (should have
(2) partially used left)

SQ 1 has a source
for blue foam at
about 70% of cost
of Aircraft Spruce

Epoxy:

4 gallons

AS16: (3) 1.25 gal \$145.50 12.05
used of 12.75 tot.

Metal:

3"x10" .016 2024-T3 Alum.
24" of 1/8" x 2" 2024-T3
Aluminum bar
12" of 1/4" x 2" 2024-T3
Aluminum bar
18" of 3/4" x .058 6061-T6
alum tube

AS52: \$.60?
AS54: \$5.34
AS54: \$4.41
AS53: \$2.05

Misc:

3ft. of MS20001-P6 hinge should have 2nd half ch 18
4 pcs 3ft x 3/8 dia. AS47: \$11.88T
cold rolled steel
25ft 3/16 O.D. x .025 wall AS85: \$3.50
Nylaflo tubing

→ For teflon tube to
limit hinge wear:
G: \$.30/ft.

tot: AS: \$683.68

Chap 19 Total: \$747.18

CHAPTER 20: WINGLETS/RUDDERS

(special note: * delete item if building new high
performance rudders)

→ Be sure to have an
antenna ready-i.e.
Radio Sys Tech.RST857
prewired \$.25

DESCRIPTION

COSTS

PURCHASE RUTAN FULL RUDDER PLANS \$18.50 (CP39/1)

Prefab Parts:

(2) CS301 Steel Belhorn

KB35: \$4.25Left & Right

Hardware:

tot: KB \$8.50

(10) AN525-10R8 Screws

AS67: \$.80T

(6) AN960-10L Washers

AS69: \$.06T

→ 916-272-2203 could
also order Nav ant.
now \$15.

Task has kit-

see above

(14) K1000-3 Nut plates	AS63: \$2.66T
(6) AN363-820 Nuts	AS64: \$4.80T
(28) AN426AD3-3 Rivets	AS70: ,28 ?
(14) AN525-10R8 Screws	AS67: \$1.12T

Glass:

70 yds. 3" wide x
.035 UND tape

AS15: purchased ch 14
(180yd \$74)
Buy 3rd 50 yd roll UND
(You should have two on
hand; according to plan
you will have 15 yds left
over however)

56 yds UND

AS9: \$162.50
will use 19.1yd of 3rd 50yd
roll UND

9 yds BID

will use 6.1yd of 2nd 50yd
roll BID

Foam:

(10) 7 x 14 x 64 styrofoam
blocks
(4) 7 x 14 x 41 styrofoam
blocks

AS18: (6) \$298.80 (should have
(4) partially used left)
AS18: (2) \$39.00 (should have
(2) partially used left)

SQ 1 has a source
for blue foam at
about 70% of cost
of Aircraft Spruce

Epoxy:

4 gallons

AS16: (3) 1.25 gal \$145.50 12.05
used of 12.75 tot.

Metal:

3"x10" .016 2024-T3 Alum.
24" of 1/8" x 2" 2024-T3
Aluminum bar
12" of 1/4" x 2" 2024-T3
Aluminum bar
18" of 3/4" x .058 6061-T6
alum tube

AS52: \$.60?
AS54: \$5.34
AS54: \$4.41
AS53: \$2.05

Misc:

3ft. of MS20001-P6 hinge should have 2nd half ch 18
4 pcs 3ft x 3/8 dia. AS47: \$11.88T
cold rolled steel
25ft 3/16 O.D. x .025 wall AS85: \$3.50
Nylaflo tubing

→
For teflon tube to
limit hinge wear:
G: \$.30/ft.

tot: AS: \$683.68

Chap 19 Total: \$747.18

CHAPTER 20: WINGLETS/RUDDERS

(special note: * delete item if building new high
performance rudders)

→
Be sure to have an
antenna ready-i.e.
Radio Sys Tech.RST857
prewired \$.25

DESCRIPTION

COSTS

PURCHASE RUTAN FULL RUDDER PLANS \$18.50 (CP39/1)

Prefab Parts:

(2) CS301 Steel Belhorn

KB35: \$4.25Left & Right

Hardware:

tot: KB \$8.50

(10) AN525-10R8 Screws

AS67: \$.80T

(6) AN960-10L Washers

AS69: \$.06T

→
916-272-2203 could
also order Nav ant.
now \$15.

Task has kit-

see above

(4) MS21042-3 Nuts AS64: \$.76T
 (6) K1000-3 Nut plates AS63: \$1.14T
Glass:
 10 yd UND will use 29.1 yd 3rd 50yd roll
 6 yd BID will use 12.1 yd 2nd 50yd roll
Epoxy:
 11 gallon AS16: 1.25 gal \$48.50 13.05 used
Metal:
 10" 1" x .035 wall 6061-T6 AS53: \$1.24
 Alum tube
 (2) 4 1/2" long .35 x .05 steel AS30: \$1.80T
 spring
 10" 3/32" steel piano wire AS55: ? (should have for ch 18-AS:
 326A (.089" dia) 46' for \$2.25) →
 tot: AS \$ 56.55
 Chap 20 Total: \$ 65.05

SPECIAL PURCHASES: IF YOU PUT ON HIGH PERFORMANCE RUDDERS

(1) Replace hinge with 30" MS20001P5 AS55: \$23.42T
 (8) Additional K1000-3Nut plates AS64: \$1.56T
 (28) Pop rivets-Cherry MSC-32 AS71: \$4.48T
 (24) Pop rivets-AVEX16-04-0412 AS71: \$2.40T
 or Cherry BSC-44 (AS71: \$1.44T)
 (8) Additional AN525-10R8 Screws AS67: \$.64T
 (2) AN970-3 Washers AS69: \$.02T
 (12) Additional AN960-10L Washers AS69: \$.12T
 Pour in Place
 DELETE FROM Chapter 20:
 AN426 AD3-3 Rivets and hinge

AS tot: 32.64
 or \$ if didn't buy hinge

CHAPTER 21: STRAKES - FUEL/BAGGAGE

DESCRIPTION COSTS

Prefab Parts:

(2) SB Glass sump blisters	AS32: \$40.30T	
(2) FT 18 fuel cap assembly	KB42: \$29.80T	SF: \$64T
((2) FT 18-5 O-rings	KB42: \$1.90T)	
((2)) T18-2 Flush gas caps	KB57: \$99.90)	
((1) AN822-6D fuel fitting	KB42: \$2.30)	
((1) AN910-2D Coupling	KB42: \$3.00)	
((1) AN911-2D Nipple	KB42: \$1.50)	
((1) EFP (Optional) Electric Fuel Pump 12v	KB41: \$34.95)	AC Fuel pump
((1) EFP-1 (Optional 24v Fuel Pump	KB41: \$67.00)	SF:\$79 & SF:\$35
((1) FP-476067 Bendix fuel pump	KB41: \$61.15)	ACFuel Pump for 0-235
		G:\$69.25
((2) VE18 Drain valve	KB42: \$9.20T)	SF:\$6.00, SF:\$9.50,
		and SF:\$11.50.
		Get a flush valves from
		Goldberg \$21.20?T
((1) VE108 Fuel Valve	KB42: 29.50)	104HD: SF:\$15.50
		108HD: SF:\$16.50
		CAV-110 G:\$3.60
		Recessed: G:\$10.00

KB42 29.80

TASK RESEARCH also sells a fuel baggage
strake kit -16 pieces for TR1: \$984.00
(same kit less rib and baffles TR1: \$884.00)
(shipping box TR1: \$20.00)

Hardware: None

Glass

(16 yds UND you will use 45.1yd of
3rd 50yd roll UND)
11 yds BID you will use 23.1yd of
2nd 50yd roll BID)

Epoxy:

(1.9 gallons AS16: 1.25 gal \$48.50)
14.95 gal used of 15.25 tot

Foam:

(6.3 sheets 34 x 47 x 3/8 tan AS18: Purchase:
(1 from ch 16)
H45 (6) 34 x 47 x 3/8": \$107.40

Metal:

2 sq. in. 1/8" 2024-T3 AS52: \$.21? →
aluminum
26 ft 3/8" O.D. x .035 wall
1100-0 alum. versatube AS53: \$.52/ft = \$13.52
28 ft 1/4" O.D. x .035 wall (four vents not two)
1100-0 alum. tube AS53: \$.36/ft = \$7.20

Note: Fuel system plumbing and hardware, including
engine components, hose lengths, pressure gauge, etc.
can vary depending on engine installation. See plans
and order components to suit.

CONSIDER
P. ROUT"S
FUEL GUAGES

(tot: AS ~~206.63~~ 276.73
but if TASK strakes: Tot 306.53

CHAPTER 22: ELECTRICAL SYSTEM

DESCRIPTION COSTS

Note! Due to the various options, this bill of
materials does not include electrical items.

(Aircraft Spruce Lists VFR Instruments)*

SEE CP 30/11 & 26/11 on alternators, 34/8 on
batteries, 34/9 on Compucruise, 28/9 Turn
Coordinators, 28/9 on wingtip lights.

Prefab Parts:

((1) LE2-LL Landing Light Assembly KB43: \$34.00)
(if didn't purchase in Chapter 9)

OTHER UNOFFICIAL SOURCES:

Compuflight TR3: \$259.95) (with remote TR3: \$299.95)

Aire-Schence's Navcom RT553A: SF:\$1505 Navcom RT563A:SF\$2047

Transponders: RT-887 SF:\$837, RT787 SF:\$767 COM: 720Cannel RT-551A: SF:\$1085

Micrologic ML5000A: SF:\$1395, ML5000A w/antenna: SF:\$1495

Telex Headsets: D-950: SF:\$112 AP:\$112.46 E-951: SF:\$129 AP:\$134.96

DBM-1010: SF:\$126 AP:\$127.46

Microphones: 66T: SF:\$48 100TRA: SF:\$48

Cloth helmets: 4 sizes: SF:\$25

David Clark Co. Headsets: H10-30: SF:\$135 AP:\$158 H10-40: SF:\$169 AP:\$195 Push

to talk buttons: C10-15:

SF:\$35 Helmets: J11-30: SF:\$349 Visors: Clear: SF:\$77.65 Gray: SF:\$83.95

Emergency Recon ELT: SF:\$210 extra battery: SF:\$27.95 see SF catalogue:

B & D Instruments Astronautics EDO Corp United Instruments

Hamilton Airpath see SF catalogue for 1.5" and 2.25" instruments

Compuflight Basic Computer SF:\$249.95 Remote Computer SF:\$279.95

Floscan Transducer: SF:\$42 Prestolite wire see SF catalogue

Wood circuit breakers SF:\$13.50ea.

B & C for different alternators see SF catalogue

D.Hoffman Cockpit light: SF:\$12.50ea

AP has many other instruments and radios.

Intrcom ICS 442 2 station: G:\$120.00

AV547 Antenna splitter (2NAV) G:\$24.75

AV571 wNAV & GS G:\$39.50 others for \$35.50 and \$42.50

DME Antenna G:\$23.50-R35.50

TXP ANTenna G:\$23.50-35.50

NAR CO ELT-10 G:\$246.50 Elt Battery: G:\$30.00 AP:\$?

Hobbs G:\$33-46.75

Datcon Hour: G:\$28.50-33.50

(Long EZ Panel Marking Set AS32: \$4.25)

CHAPTER 23: ENGINE INSTALLATION

DESCRIPTION

COSTS

SEE CP 34/9 on air filters, 33/6, 31/7 & 28/9 on
B & T Props, 34/8 & 28/8 on cowls, 26/2 on Engine,
31/5 on engine mounts, 31/8 on Exhaust,
25/2 on Fuel pump, 32/4 on magnetos, 31/5 on Oil
orifice, 24/4, 25/2, 26/6, 33/6 on Props, 30/5 on
prop extensions, 29/8 on Rolls Royce 0-240 engine,
32/4 on Slick mags, 32/5 on Spinners.

Prefab Parts:

((1) BJX-1 Stainless steel Balljoint Exhaust
System for 0-235 only KB41: \$250.00)

When it comes to inst
panel or engine

supplies, Vista

Aviation is cheaper
than Air.Spr. and
Dusty and Brenda
Rhodes more
knowledgeable
818-896-6442

Exhaust Headers: SF:\$265
w/heat muff: SF:\$300
Blo-Proof Exhaust Gaskets
Copper Lycoming: SF:\$7.20T
Copper Continental:
SF:\$6.00T
Airborne #160 gasket
G:\$4.00T
#1000 gasket G:\$17.60T
18MM copper gaskets
G:\$.17
Spiral Lycoming:SF:\$16.00T
Spiral Continental:
SF:\$16.00T
Exhaust Nuts:
Continental(Brass):
SF:\$3.60T
Lycoming(Steel): \$2.00T

Slick mags:

Continental: HS:\$181T

Lycoming: SF:\$172.75T

Neoprene Gasket material
SF: 6.50 per foot.

Nylon Cable ties:
see SF catalogue

Exhaust Springs:
SF:\$1.00ea

Anti-Seize compound:
G:\$2.25

Aero-Duct G:\$2.30-5.90/ft

Air borne 300-1 Vacuum pump
G: \$261.00

BELOW IS THE LIST OF PLATES AND EXTENSIONS-SEE BROCK
PG 60 TO SEE WHICH SAE YOU WILL NEED.

((1) KM01068-1 SAE-1 Prop Crush Plate KB60: \$15.95)

((1) KM01068-2 SAE-2 Prop Crush Plate KB60: \$22.95)

((1) 50082 SAE-2 Prop Crush Plate KB60: \$75.00)

(See KB catalogue-tons of prop plate, Crush plate,
prop extension sizes and prices.

The best deals on ext. &
prop plates is: Rotor dyne
1006 W. Oak Bur bank
818-849-4782

Spark Plugs: AP:\$17.50
to \$45.00

8" prop extension?
SF:\$290.00

((1) Conti. 0-200 Engine mount KB41: \$150.00)

((1) LYC-0235 Engine mount (Conical) KB41: \$150.00)

((1) LYC-0235D Engine mount (Dynafoal)KB41: \$275.00)

((1) VEG Complete Control Group
(Mixture, Throttle, Carb Heat) KB41: \$79.50)

((1) VETC Single Throttle etc control KB41: \$31.75)

((1 set replacement cable KB41: \$10.00

((1) VESPI Spinner KB41: \$200.00)

Ellison Throttle body
injector: SF:\$1000-1300

Kevlar spinner cone:
HS\$60.00

KB kit said to need
modification

Primer kit WT:\$72.45

((1) CCB Carb Cont. Bkt. KB41: \$18.50)

((1) 0701-162 Nylon Adapter KB42: \$.35)

((2) 0711-162 Nylon Elbow KB42: \$1.00T)

((1) 0715-20 Nylon Tee KB42: \$.50)

((2) VECH.25 1/4" hose clamp KB42: \$1.40T)

((4') 0585-165 Breather hose KB42: \$12.40)

((15') 0585-197 Fuel Line KB42: \$14.25)

((2) SP-5 Spacers KB42: \$4.50T)

((1) VECHVA Carb Heat Assy KB41: \$68.35)

((2) LL3 KB42: \$3.80T)

((2) LL4 KB42: \$3.50T)

(1) Spinner Kit AS31: \$138.50

(1) Carb Heat Box AS31: \$58.00

(1) Air Filter AS31: \$8.44

Instead of the following see CP 26/5 on NACA Inlet

Naca inlet: SF:\$75.00
pour foam for naca:
SF:\$20.00

(1) CI - Cowl inlet AS32: \$32.10

(1 ea) CCT and CCB - Continental
cowl or AS32: \$327.00T

(1 ea) LCT and LCB - Lycoming
cowl AS32: \$305.90T
(Aircraft Spruce also has Kevlar for Lycoming:
(1 ea) LCT & LCB Lite - Lycoming AS: \$462.00T)
Glass:

3 yd. BID will use 26.1 yd of
second 50yd roll

h
Smoother version:
SF:\$350
Kevlar: SF:\$450
or Ronneberg type, save
cost of shipping
\$350 cowl
\$400 cowl and scoop
\$45 Naca duct

Sensenich Props see
HS catalogue

Epoxy:

0.2 gallon will use 15.15 gal of 15.25
(may need 1.25 gal more \$48.50)

Metal:

20" x 24" x .020 soft alum. AS(\$9.00?)
6061-0

Note!: Due to variations with different engine models,
the hardware and components are not listed. Consult
Chapter 23 and Section II. Determine your specific needs,
then order.

SECTION IIL: PARTS NEEDED FOR LYCOMING INSTALLATION

Prefab Parts:

None

Hardware:

(6)AN 3-7A Bolts	AS60:\$1.04T
(2)AN3-14A Bolts	AS60:\$.46T
(2)AN4-12A Bolts	AS60:\$.40T
(4)AN4-13A Bolts	AS60:\$1.20T
(2)AN4-14A Bolts	AS60:\$.60T
(18)MS21042-3 Nuts	AS64:\$3.42T
(8)MS21042-4 Nuts	AS64:\$3.36T
(3)AN818-2D Nuts(if primer)	AS78:\$.76T
(6)AN818-6D Nuts	AS78:\$2.70T
(10)AN509-10R8 Screws	AS66:\$.70T
(2)AN111-4 Cable bushings	AS93:\$1.26T
(3)AN819-2D Sleeves(if primer)	AS78:\$1.62T
(6)AN819-6D Sleeves	AS78:\$2.28T
(2)AN822-2D Elbow(if primer)	AS79:\$6.46T
(4)AN822-6D Elbow	AS79:\$9.84T
(2)AN822-6-2D Elbow	AS79:\$7.38T
(2)AN822-6-6D Elbow(if oil cooler	AS79:\$9.84T
(4)AN823-6D Elbow	AS79:\$12.32T
(4) (1)AN816-2D Nipple(if primer	AS78:\$1.46T
(1)AN816-4D Nipple	AS78:\$1.08
(2)AN916-6D Nipple	AS81:\$18.46T
(1)AN910-1D Coupling	AS80:\$1.23
(1)AN912-1D Bushing	AS80:\$.92
(1)3600 x 4 Weather-Head Male Branch Tee	AS83:\$3.14
(2)AC #6470069 Adapters	AS122:\$21.18T
(2)Aeroquip 491-4 Fittings	AS87:\$9.10T
(4)Aeroquip 491-6 Fittings	AS87:\$23.60T
(8-if oil cooler used)	(AS87:\$47.20T)

33" Aeroquip 303-6 Hose AS86:\$10.98
 (84" if oil cooler used) (AS84:\$25.62)
 6" Aeroquip 303-4 Hose AS86:\$3.13
 (8) Blow proof exhaust gaskets (lyc) AS172:\$20.00T
 (8) MS35333-41 Lock Washers AS69:\$1.6T
 (8) Exhaust Manifold Nuts Std. 1410
 5/16 - Lyc. AS172:\$1.60T
 18"-3/8" O.D. x .035 wall
 4130N steel tube AS45:\$2.78?
 18"-3/4" O.D. x 1/8" wall Tygon
 plastic tube AS? :?
 6" -3/4" O.D. x .049" wall
 6061-T6 alum. tube. AS53:\$1.23
 8" -3/16" x 3/4" 2024T3 Alum Bar AS54:\$2.00?
 (24) Nylon ty-raps (6") TY-525M AS? : ?
 (24) Nylon ty-raps (12") TY-528M AS? : ?
 (1) tube high temp RTV (silicon)
 (red or silver) AS57:\$7.80

Electrical

(1) Micro switch type V3 AS? :?
 (or Radio Shack 275-1102)

BAFFLE MATERIAL:

5" of 1/8" x 1" x 1 1/2" 2024 T3
 Aluminum Angle AS54:\$6.20
 1pc. .025" 6061T6 30" x 48"
 Aluminum Sheet AS52:\$21.90
 1pc. 1/16" x 12" x 40" neoprene-
 asbestos AS90:\$21.00
 (200) Avex 1601-0410 pop rivets AS73:\$11.10T
 (200) AN960-4L flat washers AS69:\$3.00T
 (12) AN936-A416 Lock washer's AS69:\$3.6T
 (12) AN500-416-10 Baffle screws AS66:\$4.20T
 (2) AN931-6-16 Rubber Grommets AS91:\$7.4T
 48" of 2 1/2" dia. 'Scat'
 aeroduct AS87:\$23.12T
 12" of 2" dia. 'Scat'
 (for cabin heat) AS87:\$4.78
 12" of 1 1/2" dia 'Cat'
 (for cabin heat) AS87:2.76
 4 Stainless worm clamps #136
 (2 1/2" dia) AS ? : ?
 (2) #CS springs 1/2" long x .35: O.D.
 x .06" wire compression) AS30:\$2.40T?
 (2) Century #C-161 Springs AS? : ?

→
 Dave Ronneberg is now
 manufacturing a baffle kit
 cut to standard lyc shape
 and either ready to construct
 or constructed

DYNAFOCAL MOUNT:

(4) AN7-35A Bolts AS60:\$7.92T
 (4) AN363-720 Nuts AS64:\$3.00T
 (4) Steel Spacers AS? :?
 (8) AN960-716 Washers AS69:\$1.80T
 (8) Dynafocal Bushings (for 2 3/4" I.D.
 Retainer: AS174:\$15.36T

(Conical Mount only:

((4) AN6-43A Bolts	AS60:\$5.60T)
((4) AN960-616 Washers	AS69:\$.28T)
((4) Lyc #Std 610 Washers	AS174:\$5.40T
((4) AN363-624 Nuts	AS64:\$.96T)
((8 #71032 Rubber Bushings	AS174:\$13.60T)

Optional:

(1) Exxex Primer #K2404-1/8"	AS122:\$34.45
(1) Stewart-Warner Oil Cooler P/N 8406R	AS169:\$196

CHAPTER 24: COVERS/FAIRINGS/CONSOLES

DESCRIPTION	COSTS
<u>Prefab Parts:</u>	None
(PM801-A Plackard	KB58: \$3.95)
(Experimental Decal	KB58: \$3.00)
<u>Hardware:</u>	None
<u>Glass:</u>	
2 yds BID	will use 28.lyd/ 2nd 50yd roll BID
<u>Epoxy:</u>	
0.3 gallons	AS16: 1.25 gal \$48.50 15.45 used
<u>Foam:</u>	
2" x 24" x 30" Urethane	should have from ch 16, 21
.35 thick type R45 dark blue foam (see pg 2-3)	
<u>Metal:</u>	
5" x 7" x .025 2024-T3 Alum.	AS52: \$.90?
Chap 24 Total: AS \$49.40	

CHAPTER 25: FINISHING

DESCRIPTION	COSTS	
<u>Sandpapers:</u>		West System finishing system Goujoun Bros.
9" x 11" sheets, Silicon Carbide or Aluminum oxide types		Bay City, Wisc.
(50 sheets) Coarse - 36,40	AS29: 36=\$33.00T	517-684-6881 orders
or 60 grit		517-684-7286 inquiries
(100 sheets)Medium-100-grit	AS29: \$59.00T	2 kits plus 1 set of pumps plus shipping = \$120
wet/dry		Local source: Cal Custom
(100 sheets) Fine-220 grit	AS29: \$43.00T	2814 W. Washington
wet/dry		821-6762 GAL Kit:\$61.60
(100 sheets) Fine-320 grit	AS29: \$43.00T	Pumps:\$7.50 each
wet/dry		Mirror-Glaze Polish
<u>Filler materials:</u>		G:\$3.80
<u>Epoxy and Micro (as required)</u>	?	Cleaner: G:\$3.80
(6 quarts) feather fill	AS20: \$60.90T	
(with catalyst)		
<u>Primer:</u>		
(3 gallons) Dupont 100s, 70s	\$89.25T	
30lls laquer primer surfacer.		
<u>Zoletone</u>	AS21: \$28.65 gal	Zoletone (Factory store: MANN Bros.
(one tube) Spot putty.	NL	

(as req'd) Stitts micro putty* AS196: \$13.99 qt,
\$51.50 gal

(one tube) Silicone Bath tub calk NL

ULTRALITE AS19: \$14.75 a gal.

Sterling filler AS20: \$118.00 for 2 gal.

Acrylic laquer or Acrylic enamel NL
(Dupont)

* These materials are available through distributors,
the remainder are available locally in most areas through
auto parts suppliers.

Note! Due to the wide variance of preferences finishing
materials are not supplied with the basic kit.

757 N. La Brea LA

(213) 936-5168 at

\$23.90/gal or

Tumans, 1002 Santa

monica Blvd SMO

393-0546

Sq 2 has Zoletone
paint samples chips
to lend out.

Brake Fluid:5606:

G:\$10.50gal,\$3.80qt

CHAPTER 26: UPHOLSTRY

DESCRIPTION

COSTS

Upholstry kit consists of: AS30: \$248.00T

(2) Custom-fit suitcases

(2) Custom-fit seat cushions

(2) Custom head rests.

Chap 26 Total:\$248T