

ADVENTURE BILL OF MATERIALS

THE FOLLOWING ARE A COMPLETE LIST OF MATERIALS AND COMPONENTS REQUIRED TO BUILD THE ADVENTURE. THE LISTS ARE ORGANIZED BY SUPPLIER AND BY KITS WHERE PACKAGE DISCOUNTS ARE AVAILABLE. BASIC TOOLS FOR WORKING ON THE AIRPLANE SUCH AS SAND PAPER, PAINT BRUSHES, TAPE MEASURES, DRILL BITS, ETC ARE NOT INCLUDED HERE, BUT ARE AVAILABLE THROUGH THE SUPPLIERS LISTED AS WELL AS OTHER SOURCES. WATCH THE NEWSLETTERS FOR ACCEPTABLE MATERIALS SUBSTITUTIONS, ADDITIONS, DELETIONS ETC.

AIRCRAFT SPRUCE AND SPECIALTY COMPANY
P.O. BOX 424 - FULLERTON CALIF, 92632
(714)-870-7551 OFFERS ALL OF THE BASIC MATERIALS TO BUILD THE ADVENTURE AND HAS AN ATTRACTIVE DISCOUNT ON THEIR KIT. THE KIT MATERIALS LIST IS SHOWN ON PAGES 2 THROUGH 5 OF THIS B.O.M. OTHER ITEMS NOT INCLUDED IN THE BASIC KIT ARE SHOWN ON PAGE 6 AS WELL AS IN THEIR CATALOG. GET A CATALOG - YOU WILL FIND IT A HANDY REFERENCE FOR THIS AND ANY OTHER PROJECT.

KEN BROCK MANUFACTURING CO.
11852 WESTERN AVE. - STANTON, CALIF
90680 (714)-898-4366 OFFERS A LIST OF MACHINED, WELDED, OR DIFFICULT TO BUILD COMPONENTS FOR THE ADVENTURE. KEN'S LIST OF AVAILABLE ITEMS IS SHOWN ON PAGE 7 OF THIS LISTING.

COWLEY INDUSTRIES, INC. BUILDING 170
MOJAVE AIRPORT MOJAVE, CALIF 93501
(805) 824-2368 OFFERS CANOPY PLEXIGLAS TRANSPARANCIES FOR THE ADVENTURE,

HARDWARE

TYPE : QTY

AN3-3A : 2
 AN3-4 : 4
 AN3H-4 : 4
 AN3-4A : 12
 AN3-5A : 21
 AN3-6 : 11
 AN3-6A : 14
 AN3-7A : 20

AN3-10A : 28

AN3-11A : 22

AN3-12A : 4

AN3-13A : 1

AN3-16 : 2

AN3-16A : 1

AN3-20A : 4

AN3-25A : 4

AN3-34 : 3

AN4-5A : 2

AN4-6 : 1

AN4-10 : 1

AN4-11A : 11

AN4-12A : 28

AN4-13 : 1

AN4-16A : 1

AN4-23A : 2

AN5-10A : 2

AN6-24A : 4

MS21042-3 : 40

AN363-1032 : 110

AN363-428 : 50

AN365-832 : 24

MS21042-08 : 8

AN363-624 : 4

AN310-3 : 12

AN310-4 : 3

AN315-3 : 4

MS24665-132 : 30

TYPE : QTY

AN960-10 : 200

AN960-416 : 100

AN960-616 : 8

AN970-3 : 10

AN970-4 : 2

AN970-6 : 12

AN426A-3-3 : 30

AN426A-3-4 : 80

AN426A-3-5 : 10

AN470AD-4-12 : 25

AN470AD-4-14 : 5

AN525-832R-6 : 16

AN525-832R-7 : 32

AN525-10R-6 : 30

AN525-10R-7 : 6

AN525-10R-8 : 8

AN525-10R-9 : 7

AN525-10R-10 : 6

AN525-10R-12 : 5

AN526-832R-6 : 46

AN174-22 : 1

MS17825-4 : 1

AN502-10R-6 : 2

AN931-10-14 : 1

AN100-3 : 10

AN867-1 : 1

AN917-1D : 1

K1000-08 : 46

K1000-3 : 34

K1000-4 : 2

K1000-5 : 2

K3000-3 : 4

18-2-G : 10

AN910-1D : 1

BSP-41 : 100

BSP-42 : 100

BSP-43 : 30

MSC-42 : 4

BEARINGS

HM-3(TRE-3) : 16

FL62-6 : 2

FL19-3 : 18

BC4W10 : 3

SPRINGS

5ea LEE SPRING LE-037C-8
 OR ASSOCIATED E0240-037-2250

2ea LEE LE-055D-15
 OR ASSOCIATED E0360-055-6000

FITTINGS

1ea 10006B-C04 ELBOW

1ea 10006B-10Z ADAPTER

8ea 269-P $\frac{3}{16} \times \frac{1}{8}$ ELBOW1ea 272-P $\frac{3}{16} \times \frac{3}{16} \times \frac{1}{8}$ TEE1ea 268-P $\frac{3}{16} \times \frac{1}{8}$ CONNECTOR

1ea CCA-1550 DRAIN VALVE

2ea 10006B-C02

3ea 10006B-104

3ea 0715-020 TEE

2ea A-1480 BLEEDER ASSY

CONTROL CABLE

$\frac{3}{32}$ DIA 7X19 STAINLESS
 30FT

MISCELLANEOUS

1ea ALOWORA VA-6

16ea $\frac{1}{2}$ DIA WORM TYPE CLAMPS

1ea 5ft BUTTON DASH CONTROL
 PLAIN PLASTIC KNOB

2ea 5ft BUTTON DASH CONTROLS
 WITH INSERTS FOR CARB HEAT
 AND MIXTURE.

3ea BOLT TYPE TERMINALS

1ea FRICTION THROTTLE (5ft)

1LB .032 STAINLESS SAFETY
 WIRE

ALUMINUM

1/2 X 3/16	2024-T4 BAR	66 INCHES	TOTAL
1/2 X 1	2024-T4 BAR	3.5 INCHES	"
1/2 DIA.	2024-T4 ROD	1.5 INCH	"
3/4 DIA.	2024-T4 ROD	1.5 INCH	"

1 X 1 1/2 X .125	2024-T3 EXTRUDED ANGLE	62 INCHES	TOTAL
1 X 1 X .125	6061-T6	"	42 INCHES "
1 1/2 X 1/2 X .125	6061-T6	"	30 INCHES "
2 X 2 X .063	2024-T3 FORMED ANGLE	66 INCHES	"

MS 20257-P3	HINGE WITH PIN	48 INCHES
MS 20001-P4	HINGE	" " 10 INCHES

1/4 OD X .032 WALL	1100-O TUBE	6 INCHES
3/8 OD X .035 WALL	1100-O TUBE	40 INCHES
1/4 OD X .035 WALL	2024-T3 TUBE	3.5 INCHES
1/2 OD X .035 WALL	2024-T3 TUBE	TWO 70 INCH LENGTHS + 50 INCHES
5/8 OD X .058 WALL	2024-T3 TUBE	58 INCHES
1 X 1 X .065 WALL	6061-T6 SQUARE TUBE	20 INCHES

.020	2024-T3 CLAD	24 X 4 INCHES
.025	6061-T4 BARE	36 X 48 INCHES
.032	2024-T3 CLAD	40 X 3 INCHES
.063	2024-T3 CLAD	22 X 14 INCHES
.125	2024-T3 CLAD	22 X 16 INCHES
.160	2024-T3 CLAD	10 X 8 INCHES
.063	6061-T4 BARE	10 X 10 INCHES

STEEL

.050	4130-N SHEET	6 X 8 INCHES
1/4 OD X .028	4130 TUBE	3.5 INCHES
1/4 OD X .049	4130 TUBE	5 INCHES
3/8 OD X .049	4130 TUBE	10 INCHES
5/8 OD X .049	4130 TUBE	19 INCHES
5/8 OD X .065	4130 TUBE	14 INCHES
3/4 OD X .035	4130 TUBE	11 INCHES
3/4 OD X .058	4130 TUBE	24 INCHES

1/4 INCH THICK MARINE OR AIRCRAFT PLYWOOD 24 X 12 INCHES
1 FOOT OF 1/2 X 4 SPRUCE

3/8 ID X 1/2 OD 0585-107 POLYURETHANE TUBING 25 FT
3/16 OD X .025 WALL NYLAFLOW TUBING 50 FT

DOW STYROFOAM (2 LB/FT³)

(3 ea) 7 X 14 X 67
(6 ea) 4 X 24 X 48

(9 ea) 1/2 X 24 X 48

URETHANE FOAM (2 LB/FT³)

(1 ea) 2 X 24 X 48

PVC FOAM (6 LB/FT³)

(5 ea) ³¹80cm X ³⁰90cm X ^{.35}9mm
(1 ea) ^{.12}30cm X ^{.26}90cm X ^{.35}9mm

FIBER FRAX CERAMIC PAPER
24 X 26 INCHES 970J PAPER

10 INCHES X 10 INCHES OF ASBESTOS-RUBBER
FABRIC.

CLOTH

PAGE 5

100 YARDS	6 02/YARD UNIDIRECTIONAL	FIBERGLASS CLOTH
72 YARDS	9 02/YARD BIDIRECTIONAL	" "
2 EACH	50 YD ROLLS	2 INCH WIDE FIBERGLASS TAPE
2 EACH	50 YD ROLLS	2 IN. WIDE DACRON PEEL PLY
2 EACH	" " "	4 IN WIDE " "

EPOXY & FILLERS

- * 10 EACH 1 GALLON KITS OF APCO 2426 RESIN AND YOUR CHOICE OF FAST (2176) OR SLOW (2177) HARDENER
- 2 EA 1 LB BAGS OF GLASS BUBBLES
- 2 EA 1 LB BAGS OF FLOCKED COTTON
- 1 EA 2 PINT KIT OF 5-MINUTE EPOXY (APCO 9935 A/B)
- * YOU MAY SUBSTITUTE 9 1 1/2 GALLON KITS OF SAFE-T-POX IF YOU PREFER.

MANUFACTURED ITEMS

- 1 ea SLIMLINE SELF LOCKING QUADRANT
- 1 ea GAS SPRING CYLINDER & HARDWARE
- 1 SET 5.00X5 ROSENHAN WHEELS BRAKES & MASTER BRAKE CYLINDERS
- 2 EA 340 X 3 X 5 SIX PLY RATED TIRES AND TUBES
- 1 EA IMPERIAL 104 HD - 1/4 VALVE
- 18 INCHES CAT-10 AERODUCT
- 18 INCHES SCAT-10 "
- 4 EA QS 100 M36W WORM CLAMPS
- 36 EA CAMLOC STUDS 2600-3
- 10 EA " " 2600-5
- 46 EA " RECEPTICLES 212-12N
- 1 SET METAL TO METAL LAP BELT / SHOULDER HARNESS
- 1 EA BENDIX IGNITION SWITCH 10-357290-1
- 2 EA AN 900-10 CRUSH WASHERS
- 15 FT SHIELDED AIRFRAME WIRE 18 GAUGE
- 6 EA RA-18-6 RING TONGUE CONNECTORS
- 1 EA CONTINENTAL GASKET # 21323

THE ITEMS ARE AVAILABLE FROM AIRCRAFT SPRUCE BUT ARE NOT INCLUDED IN THE KIT OFFERING.

TACHOMETER (RT-9) WITH 4 FT. CABLE
 OIL PRESSURE GAUGE (ARROW)
 OIL TEMP GAUGE (ARROW) WITH 60 IN. CAPILARY
 CONTINENTAL ENGINE OVERHAUL MANUALS
 MILD STEEL EXHAUST FLANGES
 MAGNETIC COMPASSES (C2300)
 AIRSPEED INDICATORS (F1A SENSITIVE OR 40-220 ^{MPH})
 ALTIMETERS (SENSITIVE AND NON SENSITIVE)
 RADIOS
 BATTERIES

ENGINE MOUNT RAW MATERIALS

5/8 OD X .049 WALL	4130-N TUBING	10 ft	TOTAL
1/2 OD X .065 WALL	" " "	1 ft	"
SEA	AN 970-6 WASHERS		

FINISHING SUPPLIES - FEATHER FILL - PRIMERS - PAINTS

COMPOSITE WORKING TOOLS

BRUSHES, ROLLERS, KNIVES, GRINDERS, SANDPAPER
 TAPE MEASURES, SICKSORS, CUPS, RTV, ETC.

PROP BOLTS

MOLDLESS COMPOSITE SANDWICH AIRCRAFT CONSTRUCTION
 HAND BOOK (\$14.50) ARECOMMENDED REFERENCE

KEN BROCK MANUFACTURING

BROCK CATALOG NUMBER	QUANTITY	ITEM
T18-5-5	1	1 3/4 DIA. SPINNER ASSEMBLY
FT 18	2	FUEL CAPS
VECHVA	1	AIR VALVE ASSY
CS-1	7	10-32 INSERTS
VEAXSL	1 SET	AXLES FOR ROSENHAN
VEAXSR		WHEELS & BRAKES
NG401A	1	NOSE WHEEL ASSEMBLY
		WITH TIRE & TUBE
C-1	1	CANOPY LATCH
VECS11-15	1	BALANCE WEIGHT
	1	SUPERVALVE ASSEMBLY
		WITH FITTINGS
	1 SET	EXHAUST PIPES (MILD STEEL)
	1	ENGINE MOUNT (A65 THRU 0200)
	1	CONTROL STICK ASSEMBLY
	1	RUDDER BELCRANK ASSY
	1	ELEVATOR CROSSOVER ASSY
	1	FLAP BELHORN
	1	FLAP TORQUE TUBE
	1	FLAP HANDLE
	1	FLAP PUSHROD
	1	AILERON IDLER BELCRANK
	1	" " BRACKET

BROCK WILL CUSTOM FABRICATE ANY OTHER DESIRED PARTS ON SPECIAL ORDER. CONTACT HIM FOR PRICES AND DELIVERY.