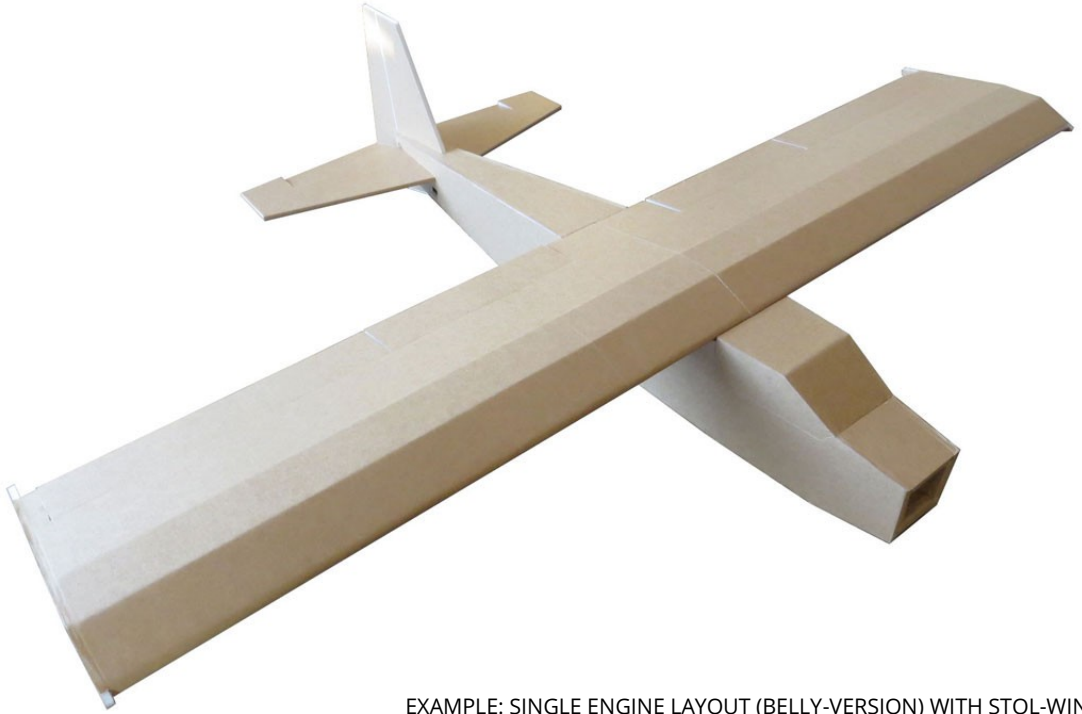




airc-pirates.com

AP Godai

Design & Drawing by: Tony Roehling



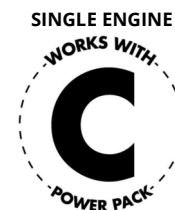
EXAMPLE: SINGLE ENGINE LAYOUT (BELLY-VERSION) WITH STOL-WING

SPECS

WINGSPAN:	1.000 mm 39.37 in	
CG:	50 mm 1.97 in	
LENGTH:	815 mm 32.90 in	
DRY WEIGHT:	265 g 9.35 oz	WITH STOL WING
ALL UP WEIGHT:	708 g 24.97 oz	WITH STOL WING AND 2200 mAh 3S
WITH WHEELS:	741 g 16.13 oz	
WITH SKIS:	748 g 26.38 oz	
WITH FLOATS:	856 g 30.19 oz	
EXPO:	35 %	
CHANNELS:	3 - 5 (THR ELV RUD AIL FLP)	

ELECTRONICS

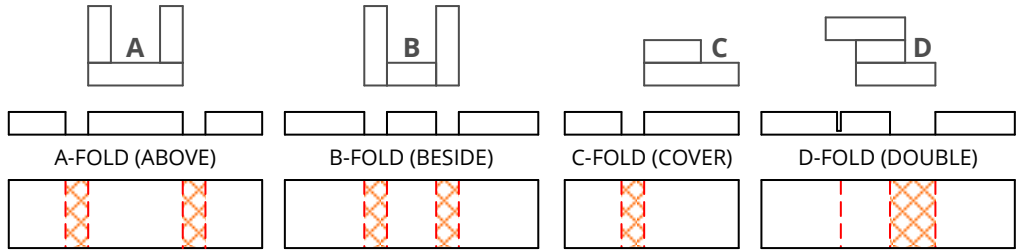
MOTOR:	1 x 1100kv (2836) or 2 x 2300kv (2204)
PROPELLER:	1 x 9x5 or 2x 6x4
ESC:	1x 30A or 2 x 12A
SERVOS:	max. 6 x 9g



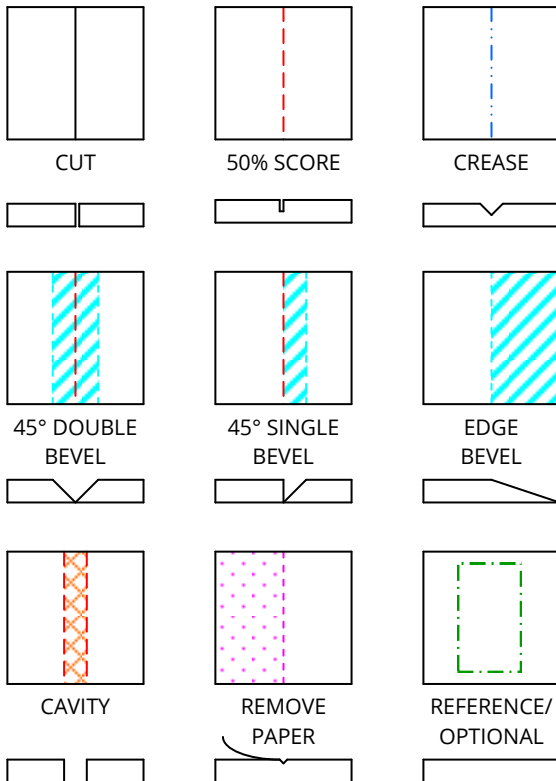
DRAWING KEY

... is based on the Flite Test Drawing Key by Dan Sponholz

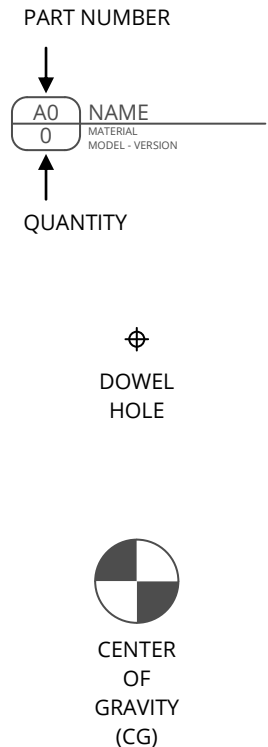
FOLD TYPES



LINE TYPE/COLOR



SYMBOLS



AP Godai - PARTS LIST (1 OF 3)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL
	SECTION A - FUSELAGE (VERSION 1.0)		
A1	FUSELAGE	1	FOAM BOARD
A2	SCREW SPACER (OPTIONAL)	6	PLYWOOD (max. 5mm 0.19in)
A3.1	INNER GEAR MOUNT	1	PLASTIC CARD
A3.2	INNER GEAR MOUNT (+FLOATS)	1	PLASTIC CARD
A4	RIGHT NOSE DOUBLER	1	FOAM BOARD
A5	LEFT NOSE DOUBLER	1	FOAM BOARD
A6	CANOPY STOPPER	1	FOAM BOARD
A7	LOWER NOSE DOUBLER	1	FOAM BOARD
A8	FIREWALL (FOR SINGLE ENGINE LAYOUT)	1	PLYWOOD (max. 5mm 0.19in)
A9	FRONT COVER	1	FOAM BOARD
A10	HORIZONTAL STABILIZER	1	FOAM BOARD
A11	REINFORCEMENT FOR PART 9	1	BBQ SKEWER
A12	VERTICAL STABILIZER	1	FOAM BOARD
A13	REINFORCEMENT FOR PART 11	1	BBQ SKEWER
A14	REAR COVER	1	FOAM BOARD
A15	UPPER WINDOW	1	FOAM BOARD
A16	RIGHT WINDOW	1	FOAM BOARD
A17	LEFT WINDOW	1	FOAM BOARD
A18	CANOPY FRONT MOUNT	1	FOAM BOARD
A19	CANOPY CLOSER	1	BBQ SKEWER
A20	CONTROL HORN (RUDDER & ELEVATOR)	2	PLASTIC CARD
A21	WING MOUNT PIN (OPTIONAL)	2	BBQ SKEWER
A22	THROW GAUGE	1	FOAM BOARD
	SECTION BA - ROOKIE WING (VERSION 1.0)		
BA1	LEFT WING	1	FOAM BOARD
BA2	RIGHT WING	1	FOAM BOARD
BA3	WING SPAR	2	FOAM BOARD
BA4	WING SPACER	2	FOAM BOARD
BA5	DIHEDRAL GAUGE	1	FOAM BOARD
	SECTION BB - SPORT WING (VERSION 1.0)		
BB1	LEFT WING	1	FOAM BOARD
BB2	RIGHT WING	1	FOAM BOARD
BB3	WING SPAR	2	FOAM BOARD
BB4	WING SPACER	2	FOAM BOARD
BB5	LEFT WINGLET	1	FOAM BOARD
BB6	RIGHT WINGLET	1	FOAM BOARD
BB7	CONTROL HORN (AILERONS)	2	PLASTIC CARD

AP Godai - PARTS LIST (2 OF 3)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL
	SECTION BC - STOL WING (VERSION 1.0)		
BC1	LEFT WING	1	FOAM BOARD
BC2	RIGHT WING	1	FOAM BOARD
BC3	LEFT WING SPAR	1	FOAM BOARD
BC4	RIGHT WING SPAR	1	FOAM BOARD
BC5	WING SPACER	2	FOAM BOARD
BC6	LEFT WINGLET	1	FOAM BOARD
BC7	RIGHT WINGLET	1	FOAM BOARD
BC8	CONTROL HORN (AILERONS & FLAPS)	4	PLASTIC CARD
	SECTION CA - UNDERCARRIAGE WITH WHEELS (VERSION 1.0)		
CA1	WHEEL GEAR FAIRING	1	FOAM BOARD
CA2	SCREW SPACER (OPTIONAL)	4	PLYWOOD (max. 5mm 0.19in)
CA3	REINFORCEMENTS FOR PART W1	1	BBQ SKEWER
CA4	WHEEL GEAR WIRE	1	STEEL WIRE (min. \varnothing 2mm 0.08in)
CA5	OUTER GEAR MOUNT	1	PLASTIC CARD
CA6	REINFORCEMENT FOR WHEEL HOLE	4	PLASTIC CARD
CA7	OUTER WHEEL	2	FOAM BOARD
CA8	INNER WHEEL	2	FOAM BOARD
CA9	RIM	2	FOAM BOARD
CA10	TIRE TREAD	2	FOAM BOARD
	SECTION CB - UNDERCARRIAGE WITH FLOATS (VERSION 1.0)		
CB1	FLOAT GEAR FAIRING	1	FOAM BOARD
CB2	SCREW SPACER (OPTIONAL)	4	PLYWOOD (max. 5mm 0.19in)
CB3	REINFORCEMENTS FOR PART F1	2	BBQ SKEWER
CB4	FRONT FLOAT GEAR WIRE	1	STEEL WIRE (min. \varnothing 2mm 0.08in)
CB5	REAR FLOAT GEAR WIRE	1	STEEL WIRE (min. \varnothing 2mm 0.08in)
CB6	SUPPORT ROD	2	STEEL WIRE (min. \varnothing 2mm 0.08in)
CB7	OUTER GEAR MOUNT	2	PLASTIC CARD
CB8	FLOAT	2	FOAM BOARD
CB9	MIDDLE FORMER	2	FOAM BOARD
CB10	REAR COVER	2	FOAM BOARD
CB11	LOWER REAR COVER	2	FOAM BOARD
CB12	LOWER FRONT COVER	2	FOAM BOARD
CB13	MIDDLE MOUNT PIN LAYER	4	FOAM BOARD
CB14	OUTER MOUNT PIN LAYER	8	FOAM BOARD

AP Godai - PARTS LIST (3 OF 3)

PART NR.	DESCRIPTION	QUANTITY	MATERIAL
	SECTION CC - UNDERCARRIAGE WITH SKIS (VERSION 1.0)		
CC1	SKI GEAR FAIRING	1	FOAM BOARD
CC2	SCREW SPACER (OPTIONAL)	4	PLYWOOD (max. 5mm 0.19in)
CC3	REINFORCEMENTS FOR PART CC1	1	BBQ SKEWER
CC4	SKI GEAR WIRE	1	STEEL WIRE (min. Ø 2mm 0.08in)
CC5	OUTER GEAR MOUNT	1	PLASTIC CARD
CC6	LEFT SKI SPAR	1	FOAM BOARD
CC7	RIGHT SKI SPAR	1	FOAM BOARD
CC8	SKI	2	FOAM BOARD
	SECTION D - TWIN ENGINE LAYOUT (VERSION 1.0)		
D1	NOSE COVER (SHORT OR LONG)	1	FOAM BOARD
D2	NOSE SIDEWALL (SHORT OR LONG)	2	FOAM BOARD
D3	POWER POD NACELLE	2	FOAM BOARD
D4	MINI POWER POD	2	FOAM BOARD
D5	FIREWALL	2	PLYWOOD (max. 5mm 0.19in)
D6	POWER POD MOUNT PIN	4	BBQ SKEWER
D7	NOSE MOUNT PIN	1	BBQ SKEWER
	OTHER MATERIALS		
	6 NUTS (M3) TO MOUNT THE UNDERCARRIAGE		
	4 SCREWS (M3 x 14mm) TO MOUNT THE UNDERCARRIAGE		
	STEEL WIRE (Ø 1mm 0.25in) FOR THE LINKAGE RODS		
	VELCRO TO MOUNT THE BATTERY, ESC, ...		
	2 RUBBER BANDS (OPTIONAL)		
	1 POPSICLE STICK PER WING (OPTIONAL)		
	SERVO EXTENSION CABLES		
	Y SERVO CABLES		

Build the Godai in the order of the part numbers!

Note:

If you only want one type of undercarriage, than you can glue it under the fuselage. Otherwise you have to screw it.

GLUE or SCREW - it´s your decision!

If you only want one type of wing, than you can glue it on the fuselage. Otherwise you have to use rubber bands and BBQ-skewers to mount it. In this case you should support every type of wing with a popsickle stick at the rear wing edge under the rubber band.