BUILDING INSTRUCTIONS

Due to Giant Jets, Inc. inability to control the Method, technique and materials you use to build Your model, YOU will assume full liability for any Injury or damage caused by this model. REMEMBER: This is not a toy but rather a sophisticated high-Teach flying machine and should be handle with care and esterase attraction to safety.

GENERAL:

Due to the compound curved on the F-16 Fuselage, we strongly recommend the purchases Of a good quality plastic model 1/48 scale or larger to serve as a 3 dimensional reference.

A light-weight model will fly batter! Always remember to: "Build to fly, not to crash". The Prototype two-seater was built to 17 lbs ready to fly. Attention to materials selection should yield a model weighing 16-18 lbs.

SEQUENCE:

1. Build crutch right over the top view using ¼ sq. balas spare.
2. Glue in position upper half bulkheads and longerons.
3. Add minimum 3/32 sheeting needed to prevent skeleton from flexing.
4. Remove to half skeleton and build lower half on back side of crutch. Install longerons.
5. Mount prop-fan shroud in place (use of shock mounts is strongly recommended). Roll a piece of 1/64 plywood to conform to contour of exhaust tube and mark outlines. Remove out to shape and glue inside frame. NOTE: The front and should overlap the shroud by approximately ¼ inch, and the rear should stuck-out far enough so that later-on wing the fibreglass tail pipe will be glued in place, it can be trimmed to length.
6. Glue all servo mounting plates in place and position and glue to formers air byred tubes if used, use of "Goop" is recommended.
7. Depending on the landing gear system you plan to use, determine its location and mounting plate position at this stage, glue in place.
8. Once satisfied with placement of propulsion system, landing gear and radio equipment, you can sheet frame. Use 1/32 balsa for planting the fuselage.
9. Attach nose & tail cone in place. Attach inlet duct as above on place.
10. Sand entire fuselage smooth and than cover with 0.5 oz. glass cloth. Use of "Aerospace Composites".
11. Cut hatch in bottom of nose cone for assign balance weight. Cut access batch in bottom of fuselage and engine access. Add access hatches for elevation, ailerons, and rudder servos.
12. Carefully align wings and flue carbon-fibre in place. Care should be taken to insure attach/detach of wing positions.
13. Finish airplane with epoxy. Epoxy impregnate inside of engine comportment, to protect against fuel soak into the balas skin. Place fuel tanks in place using sticky-back 1 inch wide Velcro strips.

REFERENCES:

1. FLIGHT MANUAL USAF SERIES F-16A.
2. DETAIL AND SCALE VOL.3 F-16 MODELS A&B.
3. LOCK ON No. 2 GD F 16 VERLINDEN PUBLICATIONS.
4. AIR PROGRESS VOL. 47 NO.2 FEB 1985.
5. HASEGAWA 1/48 MODELS HASV1 - F-16A-15
HASV5 - F-16B

NOTE:
IN ORDER TO BUILD THIS MODEL AS LIGHT AS POSSIBLE KEEP STRUCTURAL DETAILS BEHIND THE C.G. LIGHT!!!
"BUILD TO FLY-NOT TO CRASH"

NOTE:
WE STRONGLY RECOMMEND THE PURCHASE OF A GOOD QUALITY PLASTIC MODEL IN 1/48 SCALE TO AID IN BUILDING AND DETAILING THIS MODEL.

GIANT JETS INC.	
F-16 A/B FIGHTING FALCON	
WING SPAN: 60.61 IN.	WING AREA: 1022.5 SQ.IN.
LENGTH 91.38 IN.	WEIGHT 18 LBS. MAX.
DESIGNED AND DRAWN BY J. HAREL	
LAYOUT: ARTHUR C. RIGG	

F3S
FS1
FS2
F7
F8
F9
FS3
FS2
FS3
FS4
FS1- FS4. 1/8 LITEPLY
3/32 BALSA FAIRING BETWEEN BOTTOM OF FUSELAGE AND INLET DUCT. SEE PLASTIC MODEL FOR REFERENCE.
1/4 X 1/4 BALSA CRUTCH
NOSEWHEEL DOOR OUTLINE
ENGINE START HATCH
ENGINE ACCESS HATCH
MAIN L.G. DOOR OUTLINES
SEE STRUCTURAL DETAILS ON SHEET 3 OF3
NOTE:
USE HEAVY DUTY PUSH ROD ON ELEVATORS
LINK MUST BE UNDER TENSION FOR 'UP' COMMAND
FS2
FS1
FS3
FS4
BALSA BLOCK
REMOVABLE FIN MOUNTS
VENTRAL FIN
F1
F2
1/16 PLYWOOD
F3
F4
F5
F5A
F6
F7
F8
F9
F4S
F5S (TOP)
F9
3/32 BALSA SHEETING
1/8 X 1/4 STRINGER
FS1
1/4 SQ. CRUTCH
FS4
CONTROL HORN
SECTION C-C
NOTE:
SINCE MOST OF THE CONSTRUCTION IS TO BE BUILT ON THIS VIEW IT WAS DRAWN TO EMPHESIZE STRUCTURAL DETAILS. REFER TO IT AS BOTTOM VIEW WITH DETAILS DRAWN IN PHANTOM LINES INDICATING LOCATION OF CERTAIN PARTS.
0 1 2 3 4 5 6
Restored by "great_plans" 2009
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sheet 2 of 3


F1
F2/F2S
F3
RETRACT MOUNTING RAILS
F4
F5
F5A SAME AS F5 EXCEPT WHERE DENOTED BY DOTTED LINES
F5B
F1-F6: 1/8 PLYWOOD (5 PLYS)
F7-F9: 1/8 LITEPLY
AFTER F9 HAS BEEN SECURED BY 3/32 BALSA SHEETING THE CROSS HATCHED AREA HAS TO BE REMOVED
F9
F8
F7
1/8 PLYWOOD WING MOUNT REINFORCEMENT
F6
T1-T3: 1/8 LITEPLY
T4; T5: 3/32 BALSA
1/16 SHEETING
1/4 X 1/2
ROOT TEMPLATE (4) REQUIRED
TIP TEMPLATE
MAIN L.G. SUPPORT
1/8 PLYWOOD (5 PLYS)
T4
T5
1/16 SHEETING
T1
T2
T3
E1
E2
E3
E4
E5
E6
E1 E3 1/8 LITEPLY
E4 E6 1/8 BALSA
1/4 X 1/2
WEIGHT
1/8 LITEPLY
1/16 SHEETING
ACP R-19 CARBON ROD
1/2 X 3/16
NOTE:
STBILATORS MUST BE STATICALLY BALANCED
ROOT:PLYWOOD (3 PLY)
FOAM CORE WING
1/4 X 1/4
ACP TU 02 GLASS TUBE
ACP R-19 CARBON ROD
ACP CL4-33 CARBON FIBER LAMINATE INSTALL AFTER WING IS SHEETED
3/8 X 3 TAPERED SHEET
1/8 LITEPLY
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sheet 3 of 3
0 1 2 3 4 5 6 INCH
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