T-2 BLUE IMPULSE

CONSTRUCTION

GUIDE

MARUTAKA R/C MODEL

T-2 BLUE IMPULSE

FUSELAGE CONSTRUCTION

1. Make the engine mount by cementing EM1 and EM2. Then install the aluminum sheet with bolts as per the picture No.1 on the plan. (There is 30mm space between upper EM1 and lower EM1, refer to the picture)
2. Glue F11,F12,F13 & 0.3mm ply sheet to balsa sheet A. (Make one right and one left side)
3. Glue sheet B and sheet C. At this time be careful to make B outside. (Make one right and one left side)
4. Assemble F2,F3,F4,F5,F6 & the assembly F11.12.13.ply sheet.sheet A. Next install F14,F16 also F34,F35.
5. Cement F1 to the engine mount, then cement the engine mount to the fuselage. Make the cockpit out of F19, also install N1 through N5 to the fuselage with epoxy glue.
6. Assemble in pieces F21,F22,F23,F24 to the rear part of the canopy and glue plastic cover there with epoxy glue. Then fix the assembly to the fuselage. (There are two F23s and one of a pair is for attaching the canopy)
7. Glue F31 and F32, and glue F37 and F38, also 5x5mm balsa stringers to TB3 beforehand. (There are right and left side about the assembly F31.32 and F37.38, therefore be careful while gluing)
8. Glue in this order F29,F31.32,F42,F8,F28 to the fuselage. Mark and draw the shape of F-25 to the doublers beforehand. And after shaping around there, install F-25.
9. Install B.C, F39,F9,F10,TB1,F44 in that order.
10. Glue 5x5mm balsa stringer to F18 beforehand, then plank bottom fuselage with F30 and F33. Install 2mm scrap balsas to front hatch F15 also F30 to be able to lock the hatch as per the picture No.10, and also when installing nose gear cut out the F-15 in proper location. Fixing the front hatch F-15 and rear one F40, they are fixed by Dia. 3mm screws. Therefore, beforehand make Dia. 2.5mm holes to F20 and F43, and tap these holes with 3mm screw, then paint the holes with instant glue, lastely tap them again.
11. Horizontal stabilizer and vertical stabilizer will be installed lastly however, beforehand install TB3 with 5x5mm balsa stringers, also install 5x5mm balsa stringers which have to be located where horizontal stab. is installed for test. (At this time, don't glue the TB3 also 5x5mm balsa stringers, and only install them for test) Then glue TB4,TB2,F37.38, also F36 and hard wood for screw lock, then F47,F45,F48. (When installing TB4, don't glue where TB4 meets TB3 at this time) After shaping the rear fuselage, take off TB3 also 5x5mm balsa stringers.

    Make inhalants beforehand, and after shaping the front fuselage install them.

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12. Sand and shape the entire fuselage.
13. Complete the machine gun, F-41, exhausts & tail hook.
    Install canopy after adorning the cockpit.
14. Make the horizontal stab. and vertical stab. beforehand.
15. Install the horizontal and vertical stab. by using and gluing TB3.
    When installing the above stab. to the fuselage, be careful to get the balance comparing with the wing. (When looking at the fuselage from the front view, check carefully that the vertical stab. is not cocked right or left, also one side of the horizontal stab. is not too high or low)

WING CONSTRUCTION

1. Laminate two W1s, also two W2s, and besides two W3s beforehand. Glue W4A to W4 and W8A to W8, being careful to make each one right and each one left side.
2. Install the ribs W4 through W10 to the spar W11, and contruct the frame by installing 5x5mm balsa stringer,W12,10x10 balsa stringer,W15 & W16.
3. Joint the right and left wing frame.
4. Being careful not induce warps, plank the wing according to the plan.
5. Install aileron torque rod with W19. Also shape the leading eadge.
6. Install F4A to the wing correctly so that the wing will match and fit to the fuselage, also glue F49. Install W20, and make holes for screwing up. Then fix F7A & F50 by screws.
7. Install plastic parts with epoxy glue.
8. Lastly install W21.

PRE-FLIGHT PRECAUTIONS

This Jet Type Model T-2 Blue Impulse has a good stability and speedy flying performance, therefore, its roll, loops and another stunts are just like real one. Also this model is designed for middle class flyer to up.
25 schnuerle engine is the best match for this model and 9x5-6 propeller is proper. Before the flight, adjust the nose and main gears so as to run in a straight line. Make the aileron throw: 5mm up and down, elevator throw: 20mm up and down also make rudder throw: 25mm right and left.

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Correct the C.G. position if it is different from the one on the plan. The installation of the radio is limited, and it is important to install the radio as far backward as possible. The condition for installation will vary according to the engine, radio and other equipments used, and some cases a nose heavy condition will result. This makes it imperative that every effort be made to constantly check and arrange the installation when necessary to attain the proper balance. However in the case of the nose heavy and above efforts are not enough, make a hole to F10 or TB4 and put into the weight from there. Please take off after running the ground 15 to 20m, also be careful while landing this model because subside speed is a little bit too fast. Aileron effect well, and while inverted flying, it is needed to throw elevator widely than usual.