

INSTRUCTIONS...read before building!

1 **YOU NEED THESE...**

2 **AND A FLAT BOARD, BIGGER THAN THE PLAN, THAT YOU CAN STICK PINS INTO EASILY**

3 **PUT THE PLAN ON THE BOARD, UPSIDE DOWN! YOU CAN SEE THROUGH THE BACK OF THE PLAN.**

4 **PIN (OR TAPE) THE PLAN TO THE BOARD.**

5 **CUT THE PLAN ALONG LINE FROM A TO A.**

6 **GLUE MOTOR STICK TO PLAN BUT ONLY WHERE YOU SEE XXXXX.**

7 **CUT THIN WOOD STRIPS TO FIT RUDDER OUTLINE.**

8 **GLUE STRIPS TO PLAN AND ALSO BETWEEN WHERE WOOD PIECES TOUCH EACH OTHER.**

25 **LAUNCH MODEL WITH VERY GENTLE PUSH, NOSE A BIT UP, AS ABOVE, LET PROP GO BEFORE LAUNCHING PLANE**

28 **IF YOU HAVE THE PROP. ADJUSTED RIGHT, YOUR MODEL SHOULD FLY LIKE THIS. IN A CLIMBING TURN, TRY WINDING MORE TURNS FOR LONGER FLIGHTS**

9 **CUT PAPER AROUND RUDDER, ALONG EDGES OF WOOD, FROM A TO A. LEAVE PAPER AT TIP**

10 **PUT GLUE ON PAPER TIP AND FOLD OVER ONTO WOOD.**

11 **MAKE THE WING THE SAME WAY YOU MADE RUDDER, WITH GLUE BETWEEN WOOD PIECES AT ARROWS.**

12 **MAKE THE TAIL THE SAME WAY AS THE WING.**

13 **CUT THE WING AND THE TAIL FROM THE PLAN.**

14 **PUSH PROPELLER ASSEMBLY ONTO THE MOTOR STICK.**

15 **GLUE AND PIN THE WING UNTO THE MOTOR STICK, THEN GO RIGHT TO THE NEXT STEP.**

16 **TURN MODEL OVER, HOLD IN PLACE ON BUILDING BOARD AND BEND WINGS DOWN.**

26 **A MODEL IS SAID TO "STALL" WHEN IT FLIES UP-DOWN, UP-DOWN. THE POWER IS WASTED AND IT WON'T CLIMB. SEE 27 TO CORRECT**

29 **IF YOUR MODEL GLIDES W/ "STALLS", ADD A SMALL BIT OF CLAY TO THE NOSE AS SHOWN BY THE ARROW.**

17 **PIN ON BOARD SO THAT ONLY PROP, RUDDER, AND WING TIPS TOUCH BOARD. ADD GLUE AT ARROWS.**

18 **GLUE THE TAIL TO ANGLED PART OF THE MOTOR STICK.**

19 **Let model dry for one hour!**

20 **TAKE MODEL OFF BOARD, REMOVE ALL PINS, EXCEPT PUSH ONE PIN IN AS SHOWN**

21 **IF YOU DON'T HAVE A READY TO USE RUBBER BAND, MAKE A KNOT IN RUBBER STRIP AS YOU SEE HERE.**

22 **HANG THE RUBBER BAND MOTOR BETWEEN THE PROPELLER HOOK AND TO THE PIN NEAR THE TAIL.**

23 **PREPARE FOR WINDING MOTOR BY HOLDING MOTOR STOCK WITH TWO FINGERS OF LEFT HAND, UNDER WING.**

24 **WIND MOTOR AS SHOWN, WITH RIGHT HAND (OPPOSITE IF LEFT HANDED). START WITH 100 TURNS.**

27 **TWIST THE THIN PART OF THE PROPPELLER ASSY. SO THAT THE PROP. PULLS AT AN ANGLE. TRY TO FLY, IF MORE IS NEEDED BEND MORE**

30 **HAPPY FLYING!**

A **PIN THE TAIL TO THE BOARD. ALIGN THE ANGLED PART OF THE MOTOR STICK WITH THE CENTER OF THE TAIL AND GLUE TOGETHER. USE THE 90° CORNER OF A TRIANGLE OR CARD TO KEEP THE FIN PERPENDICULAR TO THE TAIL. GLUE AND LET DRY.**

B **INSERT A PIN AT THE TAIL AS SHOWN. DO STEP #21 AND HANG ON THE RUBBER.**

LOOP BETWEEN THE PIN AND THE PROPELLER HOOK.

C **TIE A LOOP OF STRING AROUND THE MOTOR STICK AND MOVE THE MOTOR THE LOOP OF IT HANGS LEVEL. ON THE MOTOR POSITION OF STRING MOTOR SUSPEND IT. STICK THROUGH STRING UNTIL PENCIL A MARK AT THE THE STRING.**

D **MEASURE THE LENGTH OF THE MIDDLE WING STICK, AND PLACE A PENCIL MARK AT ITS CENTER.**

E **REMOVE THE STRING AND THE RUBBER LOOPS. LINE UP THE PENCIL MARKS ON THE WING AND MOTOR STICK AND GLUE THEM TOGETHER AS SHOWN IN STEPS 15/16/17.**