ELLIPSE 2B.

designed by

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D.J.M.

OPENINGS FROM 6 to 4. & 2 to 1A. COVERED WITH 'FABLON' WHEN RUNNING.

DECK CAN BE FROM 1/64" PLY THIS WILL SAVE APPROX 1oz.

1/16" PLY AERIAL SUPPORT GLUED TO UNDERSIDE OF DECK.

1/32" PLY SWITCH BOARD

1/8" dia. ALI TUBE PUSHROD.

SERVOS FIXED TO 2 WITH TAPE GIVE 2 AT LEAST TWO COATS OF DOPE OR A SMEAR OF EPOXY.

POSITION OF BATTERY BOX. OFFSET TO COUNTERACT TORQUE

11. — 1/4" x 1/4"

1/8" DOUBLERS.

2 PACKS OF 12 x 1·2 AH NICADS USED FOR FSR2kg.

8.

1/4" x 5/16".

NOTE 9 & 9A FROM 1/4" x 1/4" or CUT FROM 1/4" SHEET

USE 'ZAP' OR BALSA CEMENT FOR FRAMEWORK & SLOW EPOXY FOR SKINS.

RX.

RX NICAD.

NOTE PARTS 11 & 12 MEET ON THIS LINE FORWARD OF 7

HUMMINGBIRD 20 WITH STEEL BAND.

9A.

2:1 GEAR RATIO USED FOR FSR 2kg.

DOTTED LINES SHOW ENDS OF 12 & 13, LEAVING HOLE FOR 7" x 4BA. TUBE & SHAFT.

1/8" DOUBLERS EACH SIDE OF 13.

1/32" PLY TRANSOM.

1/8" DOUBLERS EACH SIDE OF 12.

ALTERNATIVE SHAPE OF 12 & 14 FOR DIRECT DRIVE.

14. SHOWN SHADED. (ONE EACH SIDE OF 12 & 13.) CUT AWAY WHEN ASSEMBLED TO CLEAR GEARS.

SKEG FROM 1/32" PLY 1/8" BALSA SIDES. TAPER TO END.

X40 PROP. for FSRE 2kg.

'RIPMAX' MINI RUDDER ASSY

SHAPE OF SIDE PIECES. 1/32" PLY. HALF SHOWN MAKE IN ONE PIECE. STEAM BEND IF REQU.

MAKE CARD PATTERN TO THIS SHAPE TO MAKE FINAL SHAPE OF (BOTTOM OF) SIDE SKIN. MAKE SPRAY STRIP FROM 1/4" x 5/16." at 1. to 1/4" x 3/16" at 7. MAKE FORWARD OF 7 FROM FILLER.

STEAM SHADED AREA & BEND BEFORE FIXING.

GRAIN DIRECTION.

APPROX SHAPE OF BOTTOM SKIN TRIM WHEN GLUED SEE SECTION 1

SUGGESTED CONSTRUCTION SEQUENCE.

A. PIN 12 & 13 IN POSITION ON PLAN AND ADD ONE 14. WHEN DRY, REMOVE FROM PLAN AND ADD SECOND 14.
B. PIN PARTS 8 IN POSITION ON PLAN. ON 1/4" SUPPORTS. ADD PARTS 1–7. AND KEEL ASSY: ADD PARTS 9 & 9A.
C. REMOVE FROM PLAN AND ADD 11. 10. 10A. ALSO ADD 1A AND ALL 1/8" KEEL DOUBLERS. (8 PIECES.)
D. MAKE CUTOUT IN 1 AND ADD TRANSOM.
E. CARVE AND SAND HULL SMOOTH TO ACCEPT SKINS.
F. ADD 1/32" PLY BOTTOM SKINS OVERLAPPING AT KEEL.
G. ADD 1/32" DECK AFTER MARKING HATCHES.
H. ADD SIDES FROM ONE PIECE OF 1/32" PLY LEAVE AT LEAST 1/4" BELOW BOTTOM SKINS.
I. ADD SPRAY RAILS. SEE NOTE ON PATTERN.
J. SAND AND FINISH AS DESIRED.

1A.

CUTOUT BEFORE ADDING TRANSOM.

1.

1/4" x 5/16"

3/16" x 1/4" HARD BALSA OR SPRUCE

NOTE OVERLAP OF BOTTOM SKINS.

COAMING & HATCH FROM 1/32" PLY & 1/4" x 3/8" BALSA. HINGE AT FRONT AND SUPPLY SECURE CATCH AT REAR.

2.

ALL BULKHEADS FROM 1/8" BALSA.

REMOVE TO DOTTED LINES AFTER ASSEMBLEY

3.

4.

WIDER CUTOUTS ON 4 and 5 ONLY.

CUTOUT AFTER ASSY TO FIT MOTOR

5.

6.

EXTRA DEEP CUTOUT

NOTCH PARTS 8 TO FIT

7.

BRASS TERMINALS ON BATTERY (20g 1.3/4" x 1/4")

CONNECTOR SPRINGS. (20g. 2.1/4" x 1/4")

BATTERY

6BA NUT & BOLT

1/16" PLY

SECTION THROUGH BATTERY HOLDER USED FOR FSRE 2kg.

MM1307