Morris Hobbies

Morris Mustang

another in the
MORRIS PROFILE SERIES

Designed By: Terry Dench 8/31/95

NOTE: All parts are balsa unless otherwise indicated

Wing Bottom View

1/16 x 1/4 Rib Stiffners (on all ribs). Cut from Cap Strip material

Optional Lightening Holes (typical for all ribs)

Typical Wing Cross-section
(Rib R4 shown)

Building Board Line

Optional retract installation (parts not included)

Radio Note: Component locations shown are optional and approximate. Builders discretion is used here. Mini servo recommended for throttle (not shown)

Hatch Hold-down Screw

Bottom hatch and capstrips exposed to show top detail (1/16" Sheet Balsa Center-section

1/8"x 1/4" Hardwood Hatch hold-down plate

1/16"x 1/2" Center Cap Strips

1/16" Balsa Hatch (Add cross-grain doublers to underside to reinforce as necessary after holes have been cut for servos.

1/16"x 1/2" Hatch Tongue

1/16" Scrap Sheet Balsa

1/16"x 1/2" Cap Strip (under the sheeting)

DUBRO Easy Hinges. Cut to 1/2"x 1" and secure with C/A.

3/4" Nylon Rienforcing Tape Secure with thin CA

Airtronics 7 Channel Reciever

500 mAH Flat Pack

1/4 sq Spar Doubler, Top & Bottom, Trim as shown on side view and laminate with 1/4" carbon fiber

1/16" balsa Filler (cut from 1/4"x 1/2" Cap Strip material)

1/16"x 1/4" Cap Strip

1/16" Front Sheeting

1/4 sq

1/16" Leading Edge Cap

1/16" Shear Webs

1/4 sq

1/16"x 1/4" Cap Strip (Typical)

1/16" Trailing Edge Cap

1/16 x 2 Rear Sheeting

1/4 x 3/8

1/4" Wing Tip

1/4 x 1 Gusset

1/16" Wingtip Cap

R1 R2 R3 R4 R5 R6

Aileron

Aileron End View (Note bevel on leading and trailing edges)

1/4 x 3/8

1/8 x 1/4

1/4 sq

1/4"x 1/4" Bottom Spar Doubler SIDE VIEW
Trim as shown and laminate this side with 1/4" Carbon Fiber

Elevator

1/4 sq

1/8 x 1/4

1/4 x 3/8

3/32 music wire elev. joiner

Stabilizer

1/4" Precut stab support

3/32 Music wire

DUBRO Control horn mounts

IMPORTANT - Taper as shown

3/32 Wire nose skid

MVVS .40 SHOWN

3 Degrees Right Thrust

Use 4 'pass through' holes in fuse for rubber band tank mounting
Pegs for holding rubber bands

Lite ply doubler

8 oz. Tank

3/8 sq

1/8 x 3/8

3/8 Pre-cut filler

BUILDING NOTE:

Entire fuse is sheeted with 1/16 balsa from REAR of lite ply nose doubler to tail post.
(This includes canopy, scoop and vertical Fin.)

Glue Lite Ply Doublers (top and bottom parts) in place on one side of fuse.
Edge glue 3 1/16 x 4 x 36" sheets, sand smooth, lay in place without glue and press down against ply doubler.
This will leave a line to cut on the balsa for proper fit to ply doubler
Glue one sheet to fuse side, let dry, then turn fuse over and cut out wing location.
Repeat for other fuse side.

Precut 3/8 balsa

Splice

Scrap Filler

Hardwood motor mounts

Precut Lite ply doubler

Precut Balsa filler

1 Degree down thrust (Optional)

C. G.
Safe Fun

Hardwood motor mounts

Precut Balsa Filler

Precut Lite ply doubler

3/32 Wire nose skid

Splice

3/8 sq

1/4 x 3/8

Optional elev. pull-pull cable routing

Stab slot

Optional rudder pull-pull cable routing

1/8 x 3/8 Lamination,

Precut 3/8 balsa

After Fuse. is framed, lift it up and slide the Scoop under the bottom edge and trace the Fuse curve.
Now trim the top edge of the scoop and glue in place

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