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Phil Koopman, Jr.
koopman@cmu.edu
<http://www.ece.cmu.edu/koopman>

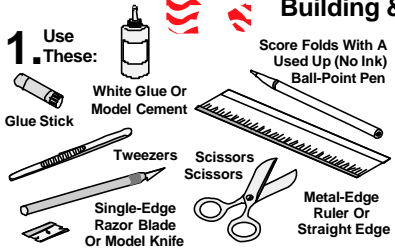
Heir to the author:
Philip Koopman, Sr.



FLY'N THINGS™

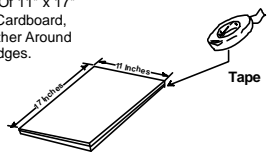
Dime Weight Paper Models Building & Flying Instructions

1. Use These:

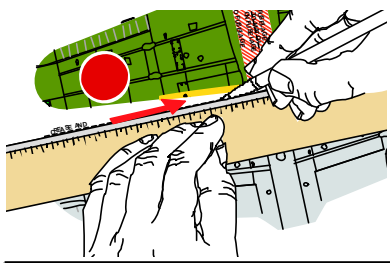


2. AND, Tape And A Cutting Board:

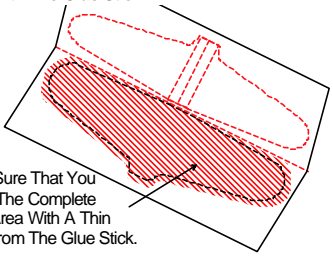
Two Layers Of 11" x 17" Corrugated Cardboard, Taped Together Around All Of The Edges.



3. Score Along Dotted Line Of Wing With The Used Ball-Point Pen Or A Smooth-Edge Butter Knife And Fold Down.

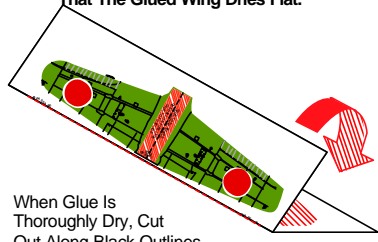


4. With Printed Side Down, Coat ONE Inside Surface With The Glue Stick.



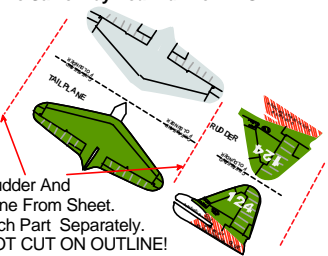
Make Sure That You Cover The Complete Wing Area With A Thin Coat From The Glue Stick.

5. Place Wing On A Flat Surface, Fold Down And Smooth Out Glue. Weight Down So That The Glued Wing Dries Flat.



When Glue Is Thoroughly Dry, Cut Out Along Black Outlines.

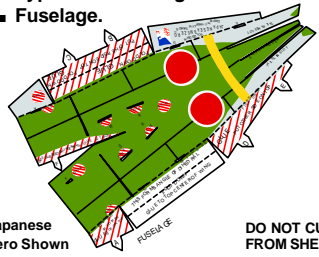
6. Score, Fold And Glue The TAILPLANE AND RUDDER The Same Way You Did The WING.



Cut Rudder And Tailplane From Sheet. Do Each Part Separately. DO NOT CUT ON OUTLINE!

RADIAL-ENGINE FUSELAGE ASSEMBLY

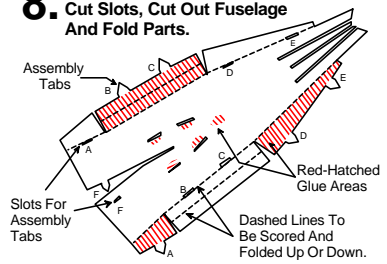
7. Typical Radial-Engine Fuselage.



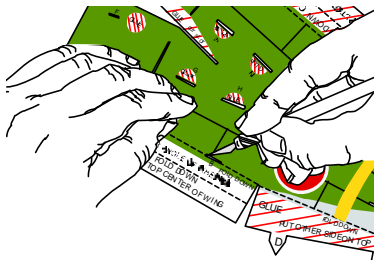
Japanese Zero Shown

DO NOT CUT FROM SHEET!

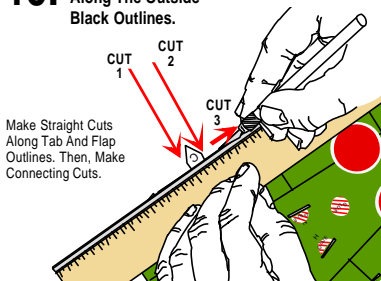
8. Follow Steps 8 Thru 10 To Cut Slots, Cut Out Fuselage And Fold Parts.



9. FIRST, Cut Out Slots
With A Model Knife.



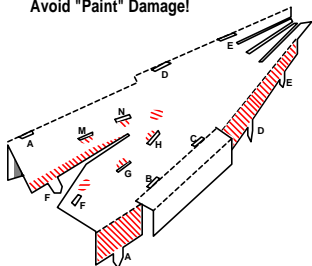
10. THEN, Cut Out Fuselage
Along The Outside
Black Outlines.



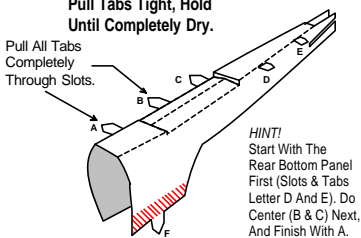
11. Crease Folds With Your
Finger Tip Or The Side Of
A Smooth Pen.



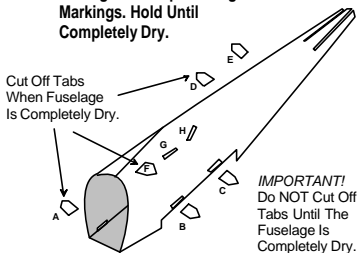
12. Fold On Dashed Lines, Up Or Down
As Marked. DO NOT SCORE TO
Avoid "Paint" Damage!



13. Push All Bottom Tabs Through The
Matching Slots. Apply A Light Coat
Of Glue To The Hatched Area.
Pull Tabs Tight, Hold
Until Completely Dry.

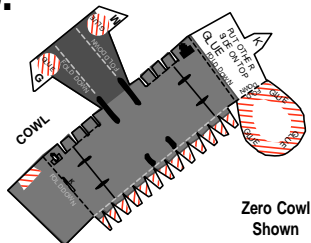


14. Glue Hatched Area At The Top, Front
Of Fuselage. Pull Tab (F) Completely
Through. Line Up Fuselage
Markings. Hold Until
Completely Dry.

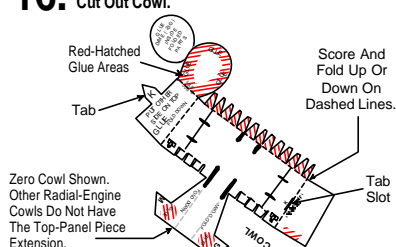


RADIAL-ENGINE COWL ASSEMBLY

15. As You Did For The Fuselage...

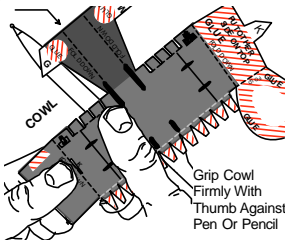


16. Score, Cut Slot And
Cut Out Cowl.



17. Before Folding Cowl, Curve The Center Section By Pulling It Across A Round Pen Or Pencil.

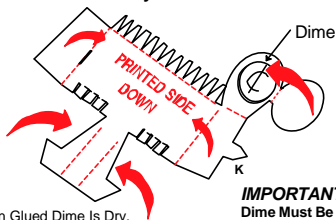
Do Not Curve Top-Panel Of Zero Cowl



Pull Cowl Across With Other Hand, Curving It.

Grip Cowl Firmly With Thumb Against Pen Or Pencil

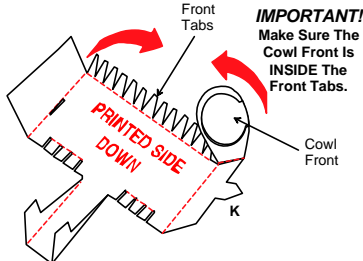
18. Glue Dime To Cowl, And Fold Over Big Tab. Use Plenty Of Glue. Hold Until Dry. Then Fold As Shown.



When Glued Dime Is Dry, Fold Along Dashed Lines As Shown By Arrows.

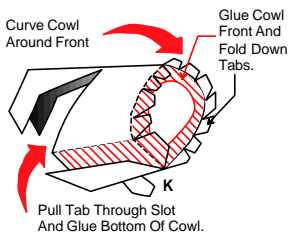
IMPORTANT!
Dime Must Be Firmly Glued Into Cowl.

19. After Cowl Is Curved And Folded, Shape Around Cowl Front.



IMPORTANT!
Make Sure The Cowl Front Is INSIDE The Front Tabs.

20. Pull Tab Through Slot, And Glue Bottom Of Cowl. Align And Hold Until Dry. Glue Front Of Cowl And Fold Down Tabs.

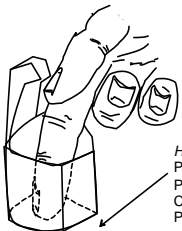


Curve Cowl Around Front

Glue Cowl Front And Fold Down Tabs.

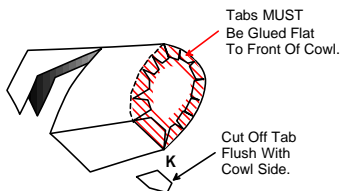
Pull Tab Through Slot And Glue Bottom Of Cowl.

21. When Tabs At Front Of Cowl Are In Place, Turn The Cowl As Shown And Hold Firmly Until Dry.



HINT!
Put A Piece Of Plastic Wrap On Cutting Board To Prevent Glue Sticking.

22. Check To Make Sure All Tabs Are Glued Flat To The Front Of Cowl. Reglue If Needed. Then, Trim The Bottom Tab Flush With Side.

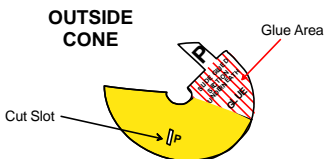


Tabs MUST Be Glued Flat To Front Of Cowl.

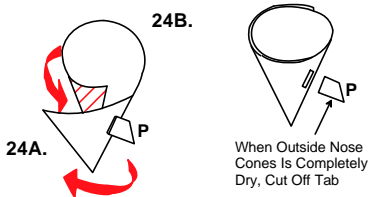
Cut Off Tab Flush With Cowl Side.

NOSE CONE ASSEMBLY

23. Cut Slot In Outside Nose Cone. Cut To Outline And Curve Over A Pen As You Did The Cowl.



24. Apply Glue To Red-Hatched Area. Pull Tab Through Slot. Curve The Outside Around. Hold Until Dry.

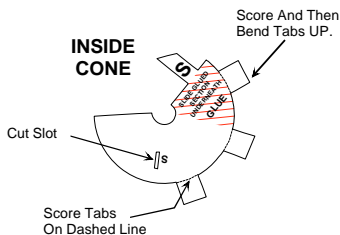


24B.

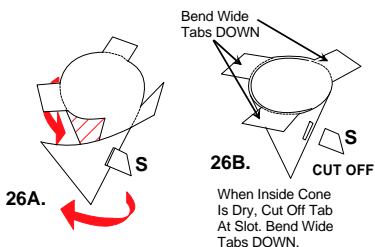
24A.

When Outside Nose Cones is Completely Dry, Cut Off Tab

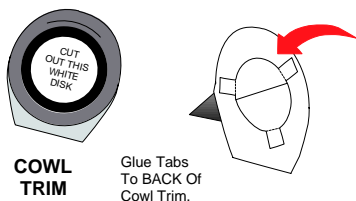
- 25.** As You Did With The Outside Cone, Cut Slot And Curve Inside Cone. Then, Bend Tabs Up.



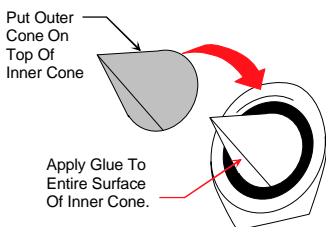
- 26.** Apply Glue To Red-Hatched Area. Pull Tab Through Slot. Curve The Outside Around. Hold Until Dry.



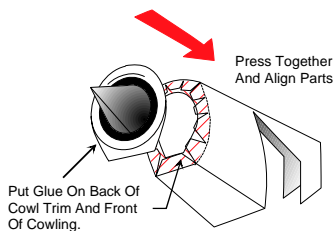
- 27.** Cut Out White Center Disk Of Cowl Trim. Then, Cut Out Cowl Trim On Outline. Insert INSIDE Cone From Back . Glue In Place.



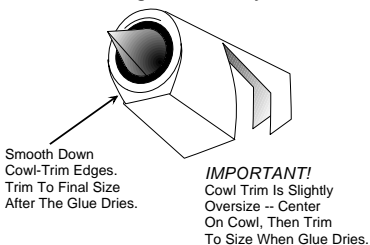
- 28.** Apply Plenty Of Glue To The Inside Cone. Slip The Outside Cone On Top. Hold Until Dry.



- 29.** Apply A Coat Of Glue To The Back Of The Cowl Trim And The Front Of The Cowling. Press Parts Together.

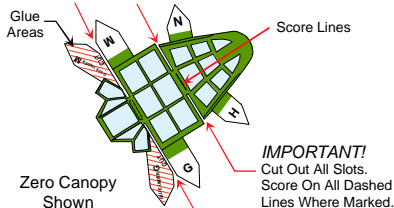


- 30.** Check Alignment, and Smooth Cowl-Trim Edges Down. Hold Parts Together Until Dry.

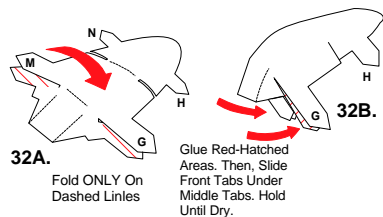


BUBBLE CANOPY ASSEMBLY

- 31.** Cut Out The Canopy Along The Outlines. Make Sure All Slots Are Cut Out As Indicated On Part.

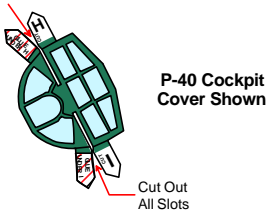


- 32.** ROLL... Do Not Fold Top Of Canopy. Fold Only On The Dashed Lines.

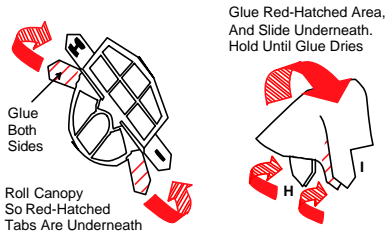


STANDARD CANOPY ASSEMBLY

- 33.** Like The Bubble Canopy, Cut Along Outline, Making Sure That All Slots Are Cut Out.

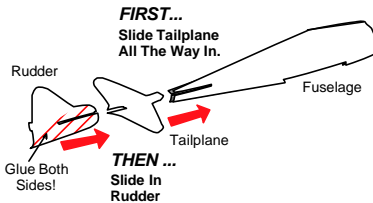


- 34.** Roll Canopy. Fold ONLY On Dashed Lines.

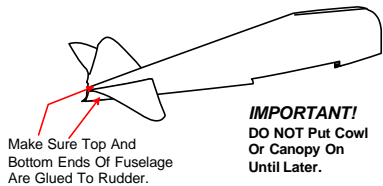


FINAL ASSEMBLY RADIAL-ENGINE PLANES

- 35.** Coat Red-Hatched Area Of Rudder With Glue. Slide Tailplane All Of The Way In. Then, Slide Rudder In.

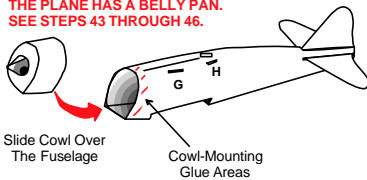


- 36.** Glue Ends Of Fuselage To Rudder. Check Vertical And Horizontal Alignment Of Rudder And Tailplane. Hold Until Glue Dries.

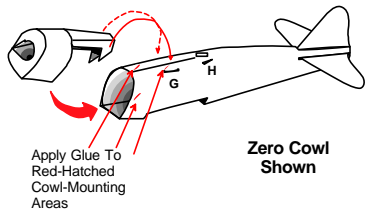


- 37.** Apply Glue To The Red-Hatched Cowl-Mounting Areas. Then, Slide The Cowl All The Way On Over The Fuselage.

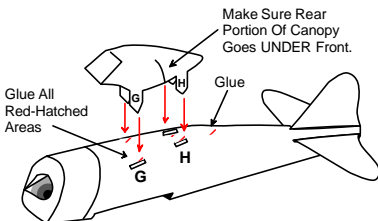
IMPORTANT!
DO NOT ATTACH COWL IF THE PLANE HAS A BELLY PAN. SEE STEPS 43 THROUGH 46.



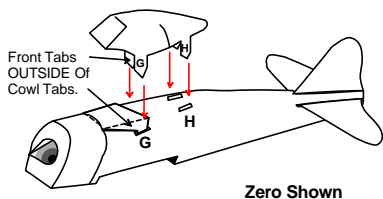
- 38.** For Planes With A Top-Panel Extension On The Cowl, Hook Tabs Into Fuselage Slots As You Slide The Cowl On.



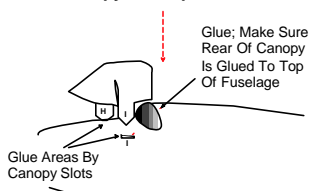
- 39.** Cement Glue Spots Next To Canopy Slots. Slide Canopy In Place. Hold Until Dry.



- 40.** For Planes With Cowl Extension, Make Sure The Front Tabs Of The Canopy Go On The Outside.

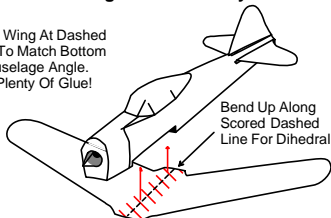


- 41.** Standard Canopies Mount In The Same Way. Make Sure Rear Part Of Canopy Overlaps The Front.



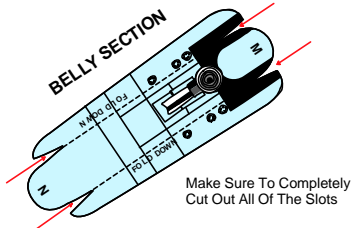
- 42.** Fold Wing Up EXACTLY Along The Dashed Line In Glue Area. Glue Wing FIRMLY To Bottom Of Fuselage. Hold Until Dry.

Bend Wing At Dashed Line To Match Bottom Of Fuselage Angle. Use Plenty Of Glue!

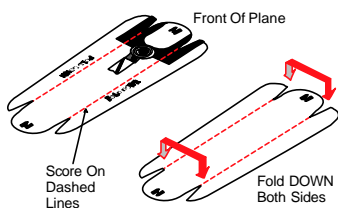


BELLY PAN ASSEMBLY

- 43.** Score Along Dashed Lines. Cut Out Belly Pan On Outline.

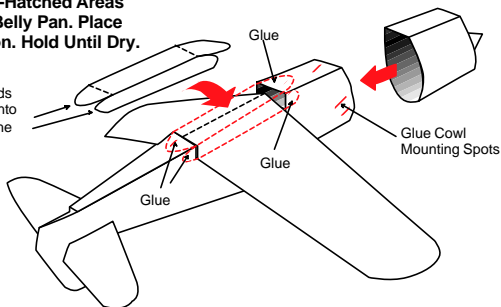


- 44.** Fold DOWN On Both Of The Dashed Lines



- 45.** Glue Red-Hatched Areas For The Belly Pan. Place In Position. Hold Until Dry.

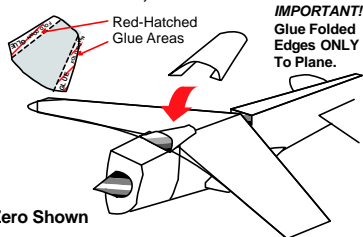
Press ALL Ends Of Belly Pan Into Position On The Fuselage.



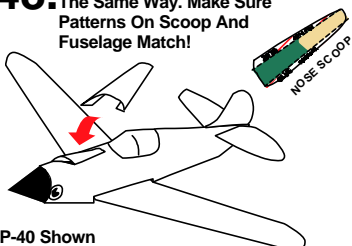
- 46.** Glue Cowl Mounting Areas. Slide Cowl Into Position.

ADDING FINAL DETAILS

- 47.** Roll Air Scoop And Fold Down On Scored, Dashed Lines.

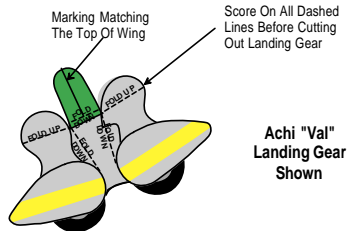


- 48.** Top Scoops Are Installed The Same Way. Make Sure Patterns On Scoop And Fuselage Match!

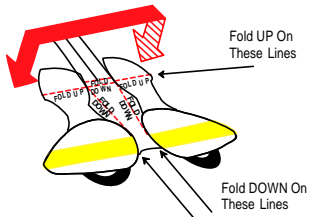


FIXED LANDING GEAR

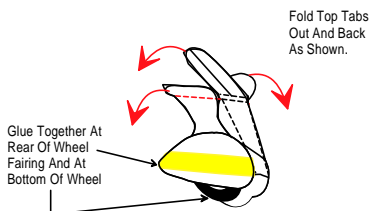
- 49.** Score Along All Dashed Lines.
Cut Out Landing Gear On Outline.



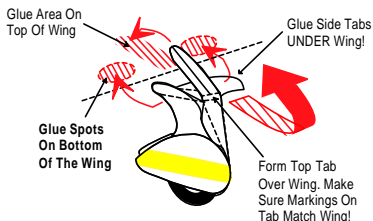
- 50.** Fold On Dashed Lines AS Shown.



- 51.** Fold Down Top Tabs As Shown.
Glue INNER Surfaces At Back Of Fairing And At Bottom Of Wheel.

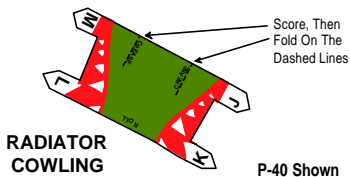


- 52.** Glue Red-Hatched Areas On Top And Bottom Of The Wing. Slide Landing Gear Over Wing. Press Down Tabs.

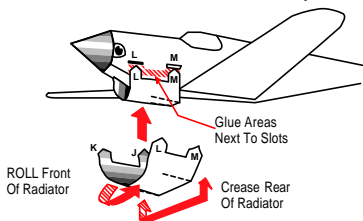


RADIATOR AND COWLING

- 53.** Typical Nose Radiator And Bottom Cowling. Score On Dashed Lines. Then, Cut Out On Outlines.

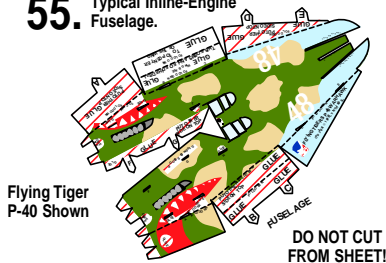


- 54.** Glue Red-Hatched Mouting Areas. Slide Tabs Into Slots. Hold Until Dry.

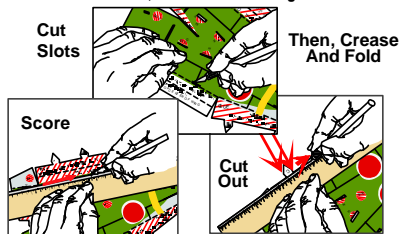


INLINE-ENGINE FUSELAGE

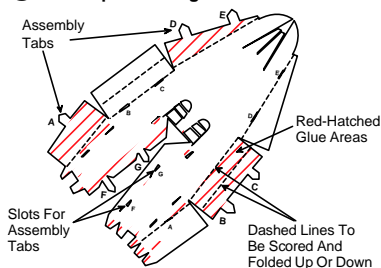
- 55.** Typical Inline-Engine Fuselage.



- 56.** Referring To Step 57, Follow Steps 9-12 To Cut Slots, Cut Out The Fuselage And Crease.

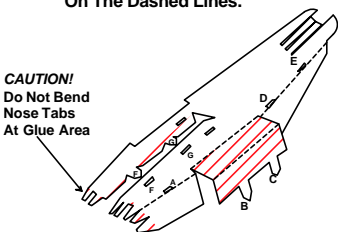


57. Refer To Building Steps 9 Through 11.

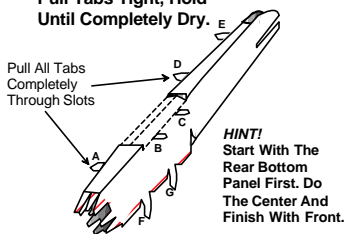


58. Fold Scored Creases Up Or Down As Marked On The Dashed Lines.

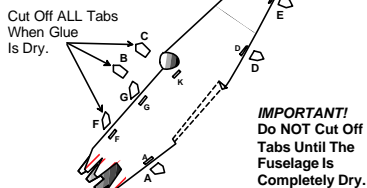
CAUTION!
Do Not Bend Nose Tabs At Glue Area



59. Push All Bottom Tabs Through The Matching Slots. Apply A Light Coat Of Glue To The Red-Hatched Areas. Pull Tabs Tight, Hold Until Completely Dry.

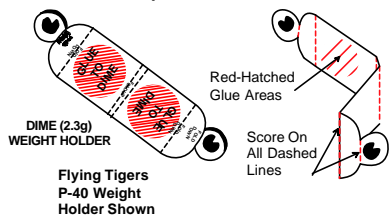


60. Glue Hatched Area At The Top, Front Of Fuselage. Pull Top Tabs (F And G) Completely Through. Line Up Markings. Hold Until Dry.

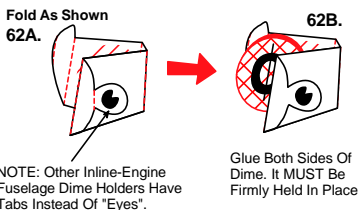


DIME-WEIGHT HOLDER

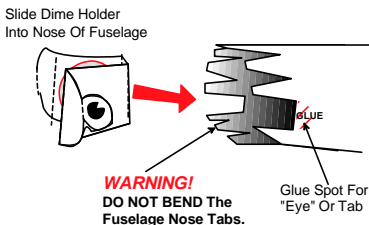
61. Score On Dashed Lines. Cut Out On Outlines And Fold Up Or Down On Lines.



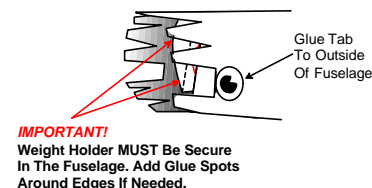
62. Fold As Shown. Apply Plenty Of Glue To Both Glue Areas. Slide In Dime, Hold Until Dry.



63. Slide Dime-Weight Holder Into Fuselage. Line Up The Tabs With Fuselage Slots.

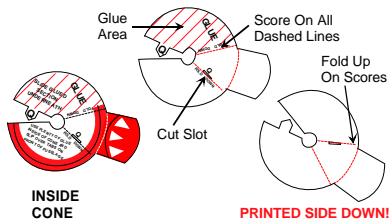


64. Glue Dime-Weight Holder Tabs In Place. Hold Until Dry. Weight Holder Must Be Secure!

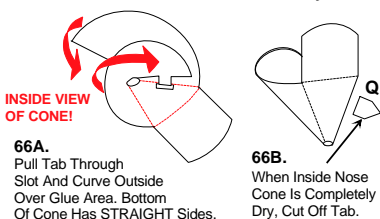


NOSE-CONE ASSEMBLY

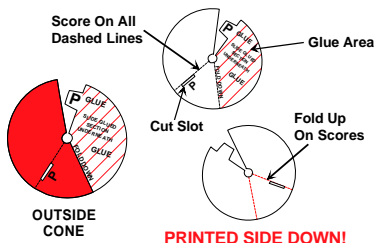
- 65.** Cut slot In Inside Nose Cone. Score On Dashed Lines. Cut To Outline And Curve Over A Pen.



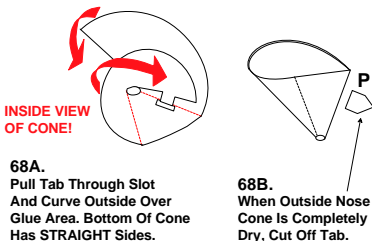
- 66.** Apply Glue To Red-Hatched Area. Pull Tab Through Slot. Curve The Outside Around. Hold Until Dry.



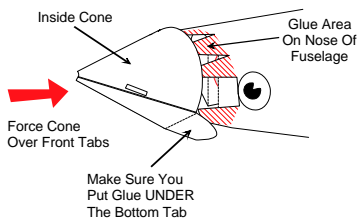
- 67.** As You Did With The Inside Cone, Score Dashed Lines, Cut Out Slot, Cut To Outline And Curve The Cone .



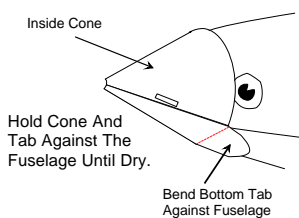
- 68.** Apply Glue To Red-Hatched Area. Pull Tab Through Slot, Curve The Outside Around. Hold Until Dry.



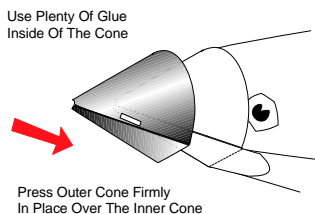
- 69.** Apply Plenty Of Glue To The *INSIDE* Of The Cone. Force The Nose Tabs Into The Cone.



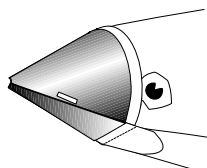
- 70.** Hold Inside Nose Cone Against Fuselage. Bend The Bottom Tab Against Fuselage. Hold Cone And Tab Until Glue Dries.



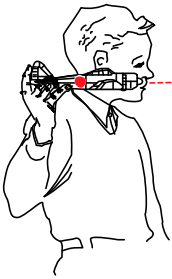
- 71.** Apply Plenty Of Glue To The Inside Nose Cone. Firmly Press The Outside Cone On Top.



- 72.** Hold Cone Until Dry. Finish Construction By Adding Tail, Wings, Canopy And Details As You Did For The Radial-Engine Planes.



FLY PLANE LIKE YOU THROW A DART!



Throw Your Plane With A Smooth, Steady LEVEL Motion. After You Get Used To How Your Model Flies, You'll Be Able To Do "Stunts," Too. A Hard Throw, With The Nose Pointing UP, Gives A Loop! Or, Try Tilting Your Plane For A Hard Banking Turn.



Hold Plane With First Finger On Rudder As Shown

ADJUSTING YOUR PLANE FOR FLIGHT



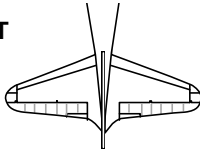
When Properly Made, Your Model Should Look Like This: Proper Dihedral And Correct Position Of The Rudder And Tailplane

If Your Plane Hits Something And Dents The Wing, Smooth Out Dent With Your Fingers. Keep Wings FLAT - DO NOT Curve Or Bend.

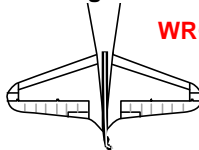


The Rudder Must Be Straight - NOT Curved Or Twisted. It Must Be Vertical And In Line With The Fuselage.

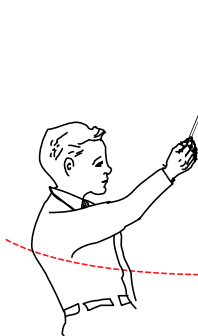
CORRECT



WRONG!



FLY WITH G-LINE INDOORS OR OUT!



For Great Fun Indoors Or Out! Any Of Your Models Fly With G-Line Control. You'll Soon Learn To Make Them Loop And Even Have "Dog Fights" With A Friend. This Picture Shows All That's Needed.

Tie A Thin String Or Thread To A Short Stick. Thread The Other End Of The Line Into The Wing As Shown Below. Start With 6 To 8 Feet Of Line. Swing The Stick Around Your Head From Right To Left.

Your Plane Will Rise And Fly At The End Of The G-Line. It Obeys Your Every Move For Speed And Control. You Will Soon Be Able To Perform Loops, Dives And Landings.



Tie A Light Line To The Leading Edge Of The Wing Near The Tip. Thread Line Through The Wing With A Needle. Tie A Large Knot.