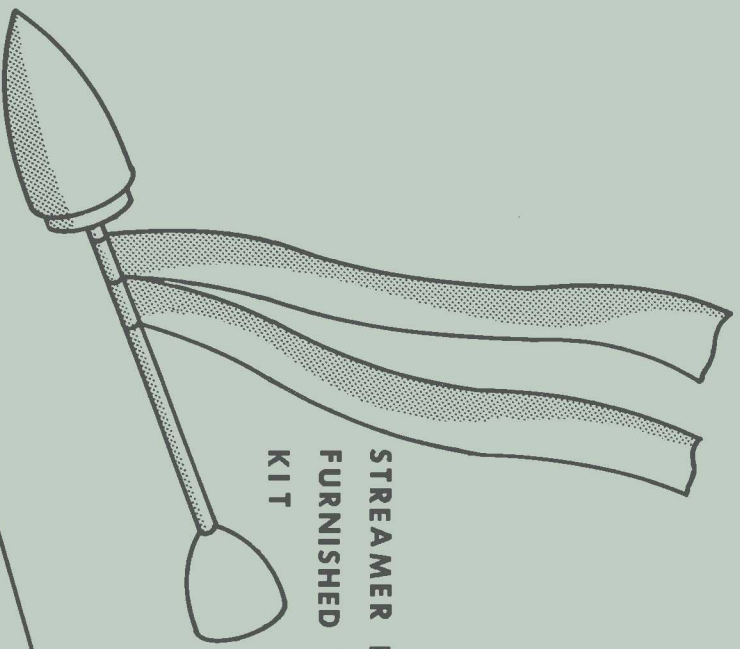
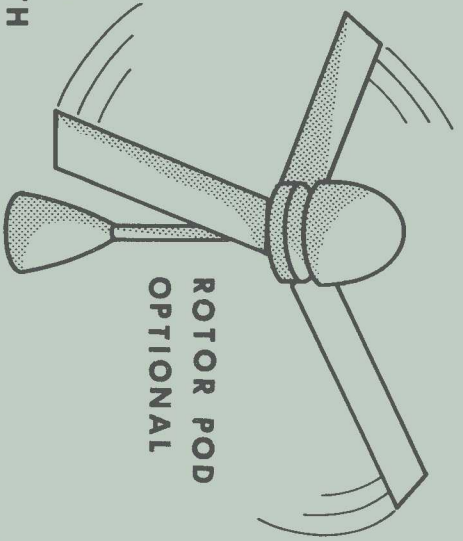


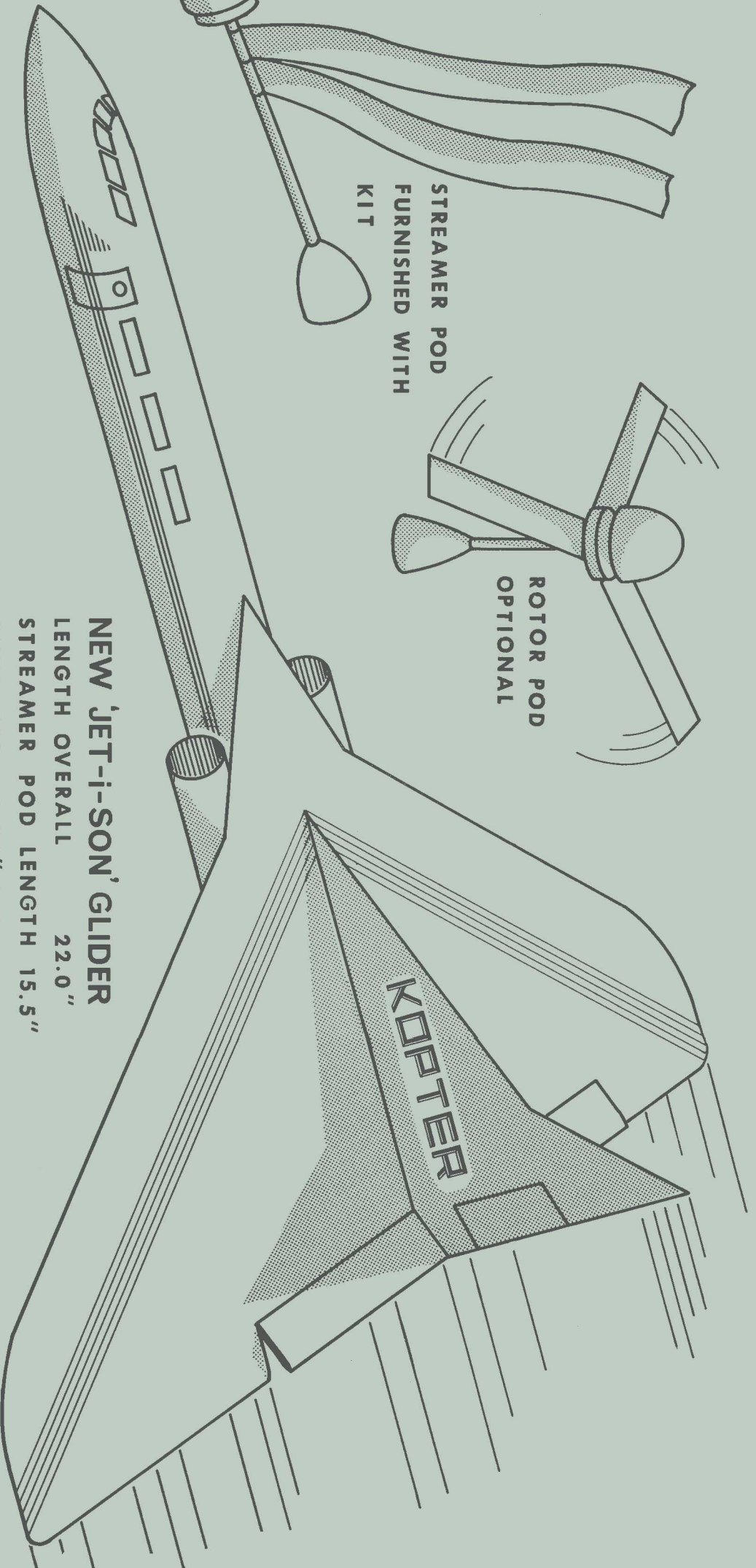
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**STREAMER POD
FURNISHED WITH
KIT**



**ROTOR POD
OPTIONAL**



NEW 'JET-i-SON' GLIDER

LENGTH OVERALL 22.0"

STREAMER POD LENGTH 15.5"

BODY DIA. 1.59" I.D.

USE C-6-3 ENGINES ONLY

PATENT APPLIED FOR

STEP - 1

- a) CUT OUT BODY MARKING GUIDE, TAPE IN PLACE, MARK TUBE ON TOP & BOTTOM.
- b) USE A STRAIGHT EDGE TO MARK THE TUBE MAKING LINES THE LENGTH OF THE TUBE.

STEP - 2

- a) APPLY A RING OF GLUE TO THE INSIDE OF ONE END OF THE BODY TUBE AND INSERT ONE 1/4 IN. WIDE x 1.59 O.D. NOSE CONE STOP RING.
- b) WIPE OFF EXCESS GLUE LEAVING A SMALL FILLET BEHIND THE STOP RING.
- c) SAND OFF SHARP EDGES OF STOP RING.

STEP - 3

- a) CUT OUT RUDDER AND WING TEMPLATES, MARK OUTLINES ON Balsa SHEETS AND CUT OUT RUDDER AND WING PIECES.
- b) USING A FLAT BOARD, WAXED PAPER AND STRAIGHT PINS GLUE THE PARTS TOGETHER WIPING OFF EXCESS GLUE FROM JOINTS AND WING NOTCH. PLACE PINS DIAGONALLY TO PREVENT WARPING.
- c) TAPE ELEVATOR IN PLACE. DO NOT GET GLUE ON ELEVATOR.
- d) WHEN WING AND RUDDER ARE DRY SAND LEADING AND TRAILING EDGE ROUND.

STEP - 4

- a) USE A DRILL OR ROUND WOOD RASP TO MAKE A 1/4IN. DIA. X 3/4 DEEP HOLE IN CENTER OF LARGE NOSE CONE. ADD GLUE TO HOLE AND INSERT DOWEL ROD.
- b) TAPE THE SEAT BLOCK IN PLACE TO THE EXACT LENGTH OF 1 1/2 IN. FROM NOSE CONE SHOULDER TO REAR OF SEAT BLOCK. DO NOT GLUE SEAT BLOCK AT THIS TIME.

STEP - 5

- a) CENTER AND GLUE WING TO BODY TUBE SO THAT ELEVATOR IS FLUSH WITH REAR OF BODY TUBE.
- b) WITH A SHARP KNIFE, CUT A HOLE THROUGH THE BODY TUBE TO THE SIZE OF NOTCH. SMOOTH OUT THE HOLE IN THE TUBE WITH A PIECE OF SANDPAPER OR EMERY BOARD.
- c) GLUE THE 9 IN. LONG STABILIZER TUBES TO THE UNDERSIDE OF THE WINGS 1 1/4 IN. FROM THE REAR OF THE BODY TUBE.
- d) GLUE THE RUDDER TO WING IN LINE WITH CENTERLINE OF BODY TUBE. CHECK THE ELEVATOR LIFT TO MAKE SURE IT WILL SEAT AGAINST THE RUDDER BEVEL.
- e) LOCATE AND MAKE HOLE IN RUDDER AS SHOWN IN DETAIL.
- f) GLUE LAUNCH LUGS TO BODY TUBE - CUT, SHAPE AND GLUE SKIDS TO BODY TUBE.

STEP - 6

- a) INSERT STREAMER POD INTO BODY TUBE, TAPE IN PLACE.
- b) PUSH GLIDER NOSE CONE INTO REAR OF BODY TUBE UNTIL IT IS SEATED AGAINST THE HOLLOW OF THE STREAMER POD SEAT BLOCK. BE SURE THAT GLIDER NOSE CONE SHOULDER IS DIRECTLY BELOW NOTCH IN WING.
- c) INSERT REMAINING STOP RING UP TO GLIDER NOSE CONE. ADD A GLUE FILLET TO THE REAR OF THE STOP RING ONLY. USE A STICK OR BRUSH TO APPLY GLUE.
- ~~d) REMOVE STREAMER POD & GLUE SEAT BLOCK IN PLACE.~~

STEP - 7

- a) CUT OUT ELEVATOR MECHANISM PIECES, USING TEMPLATES, PLACE ON WAXED PAPER, ADD A PIECE OF TEMPLATE SHEET FOR REINFORCING, LET DRY THOROUGHLY THEN CAREFULLY ROUND OFF TOP AND LEADING EDGE ON NEAR SIDE ONLY.
- b) GLUE MECHANISM TO ELEVATOR ONLY, USE PINS OR TAPE TO HOLD IN PLACE.
- c) REMOVE STREAMER POD AND GLUE SEAT BLOCK IN PLACE.
- d) CONSTRUCT ENGINE MOUNT & INSTALL IN BODY TUBE ACCORDING TO DIRECTIONS IN ENGINE MOUNT PACKET.

STEP - 8

- a) INSERT RUBBER BAND THRU HOLE IN RUDDER, TIE KNOT ON EACH END AND PLACE IN SLOTS IN ELEVATOR.
NOTE: ALWAYS PRESS DOWN ELEVATOR WITH FINGER BEFORE INSERTING STREAMER POD INTO BODY TUBE.

STEP - 9 BALANCING & TESTING BEFORE FLIGHT

- a) REMOVE STREAMER POD FROM BODY TUBE, BLOW THRU ENGINE MOUNT TUBE, GLIDER NOSE CONE SHOULD TRAVEL UP THE TUBE & SEAT AGAINST THE FRONT STOP RING. THIS ACTION WILL ACTIVATE THE ELEVATOR TO IT'S RAISED POSITION. IF ELEVATOR DOES NOT LIFT PROPERLY, CHECK FOR BINDING AREAS. REPEAT AGAIN.
- b) TO TEST GLIDER BEFORE POWERED FLIGHT, REMOVE STREAMER POD, BLOW GLIDER NOSE CONE UP THE BODY TUBE, PLACE A USED ENGINE CASING INTO THE ENGINE MOUNT AND THROW INTO THE WIND AS SHOWN IN STEP 9 PLAN DIAGRAM. CORRECT THE FLIGHT WITH WEIGHTS AS SHOWN IN DIAGRAM.

NOTES:

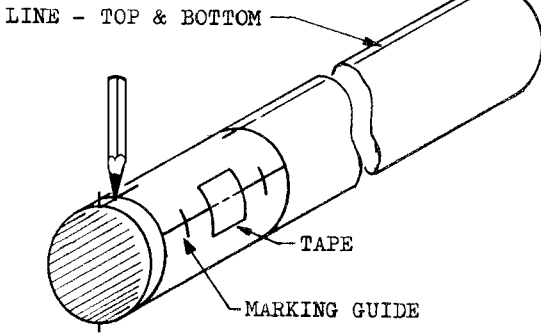
RECOMMENDED ENGINES FOR BEST FLIGHTS ARE C-6-3.

STREAMER SHOULD BE FOLDED IN TUBE DURING FLIGHT, NOT ROLLED.

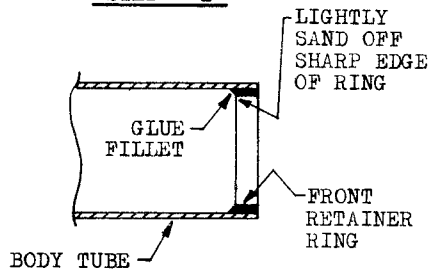
LOOSE ENGINES SHOULD BE TAPED IN PLACE TO PREVENT FALLING OUT.

THINK SAFETY FIRST FOR ALL ROCKET FLIGHTS.

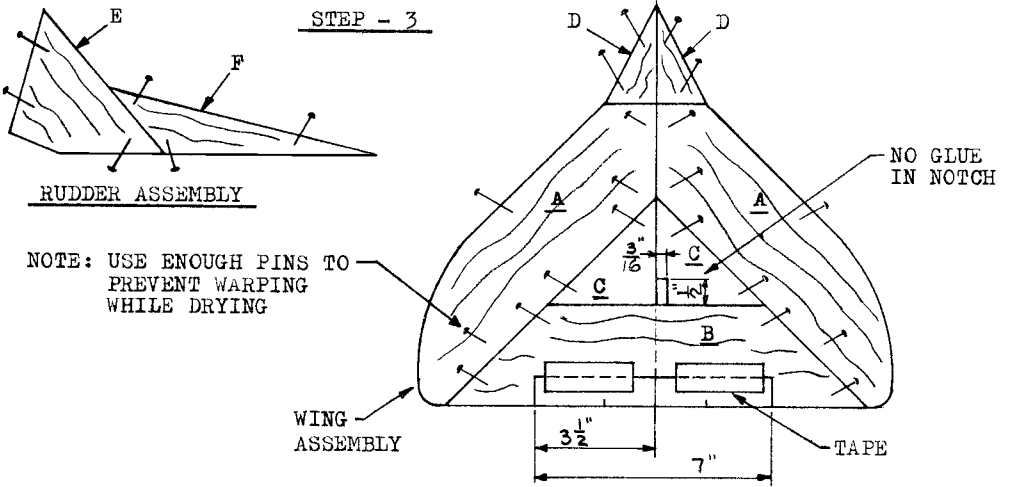
STEP - 1



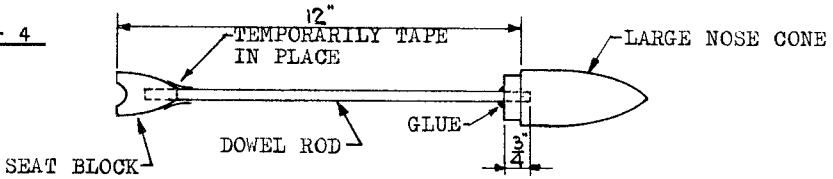
STEP - 2



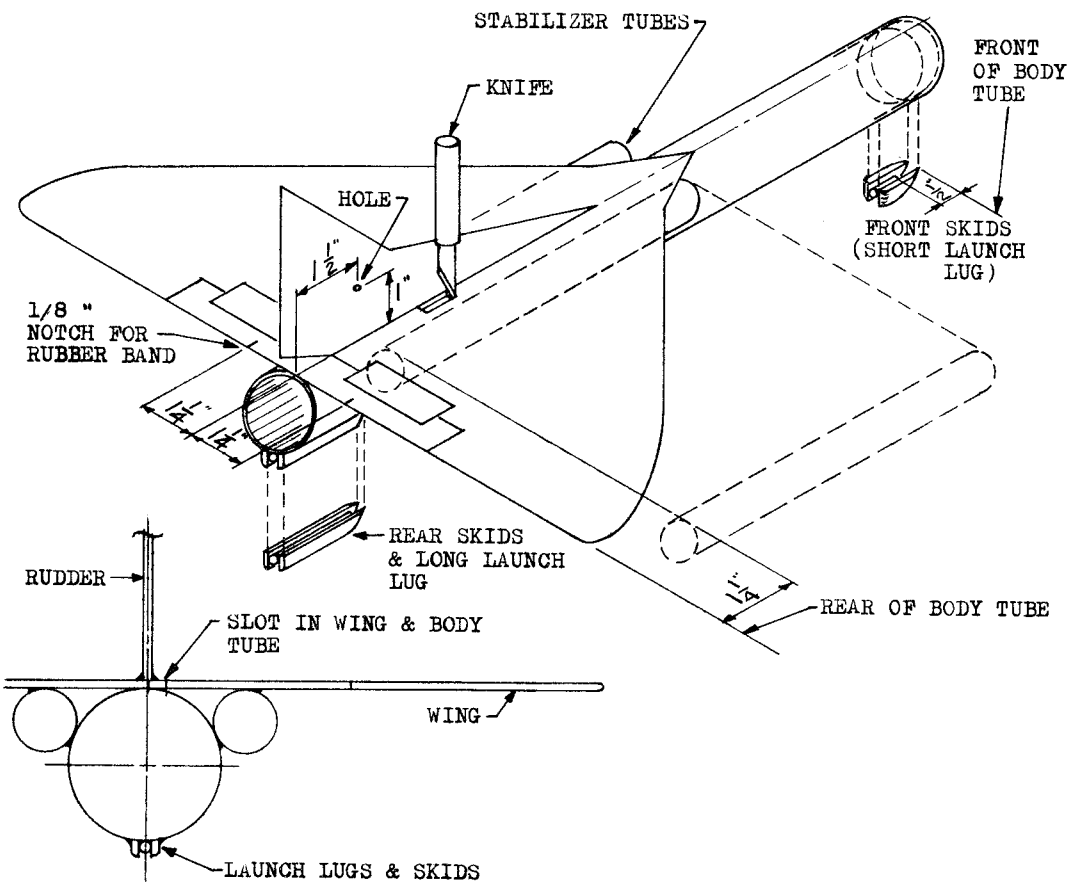
STEP - 3



STEP - 4

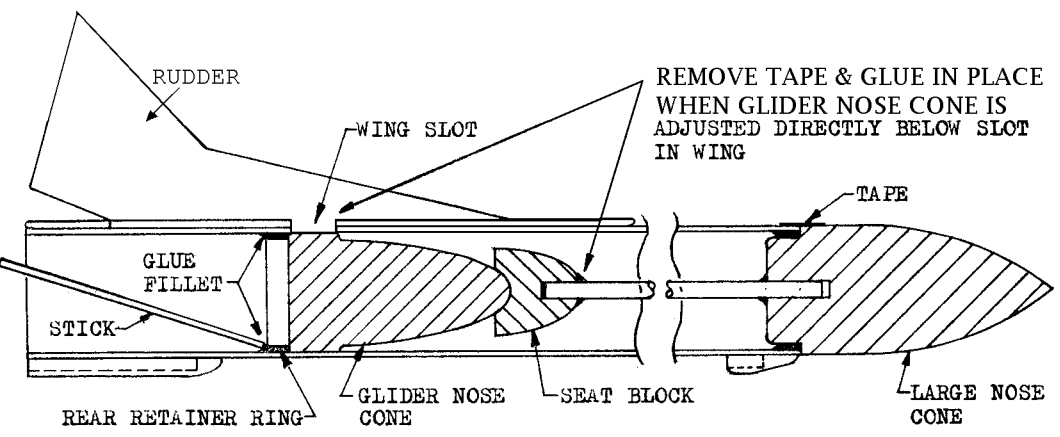


STEP - 5

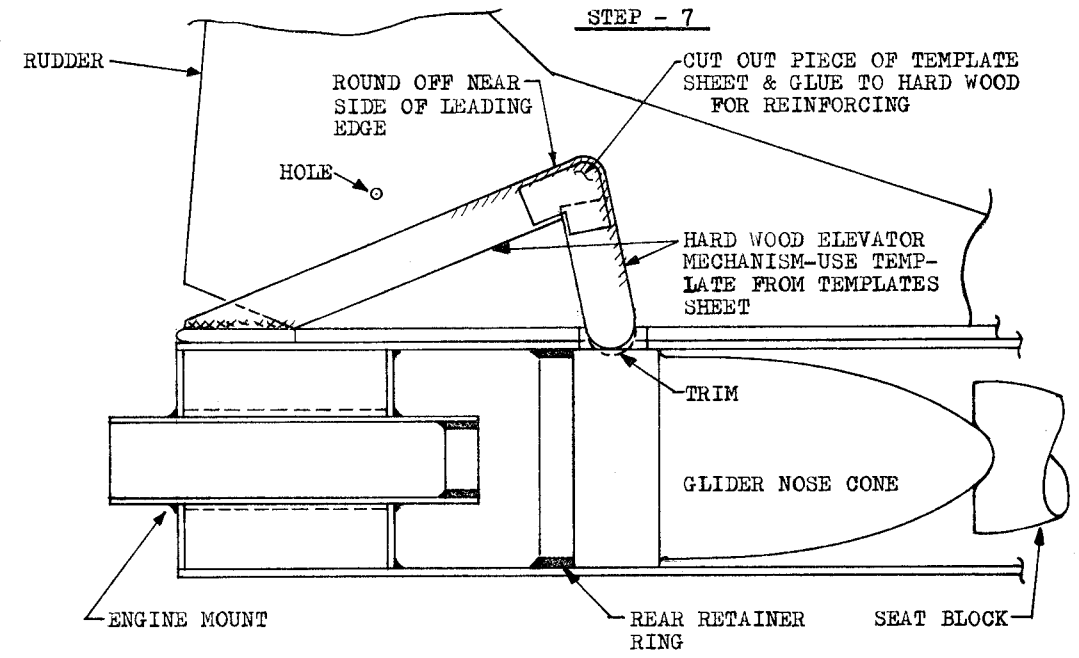


REAR VIEW

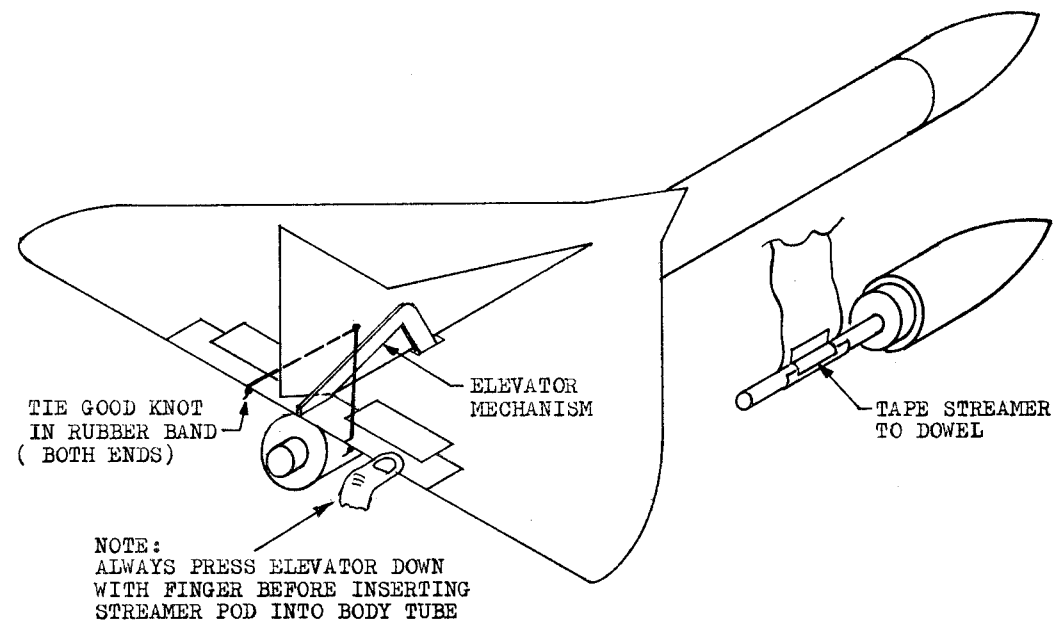
STEP -- 6



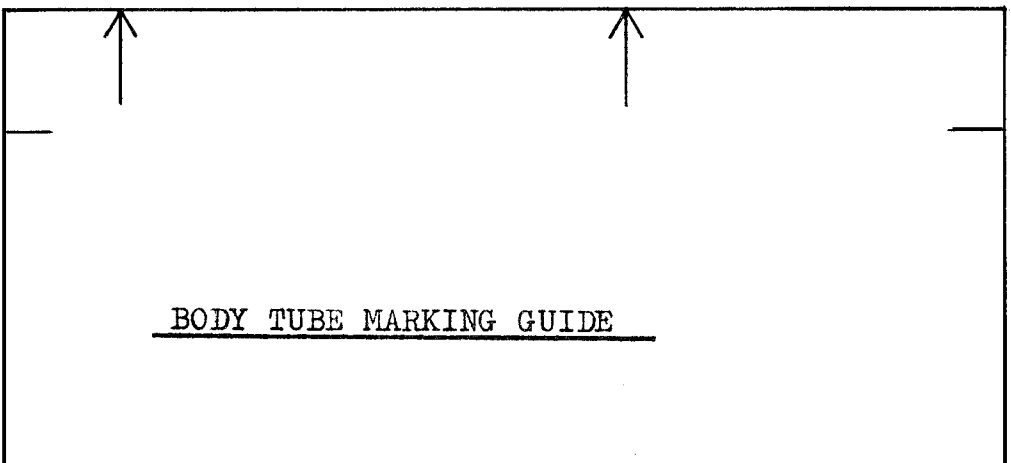
STEP - 7



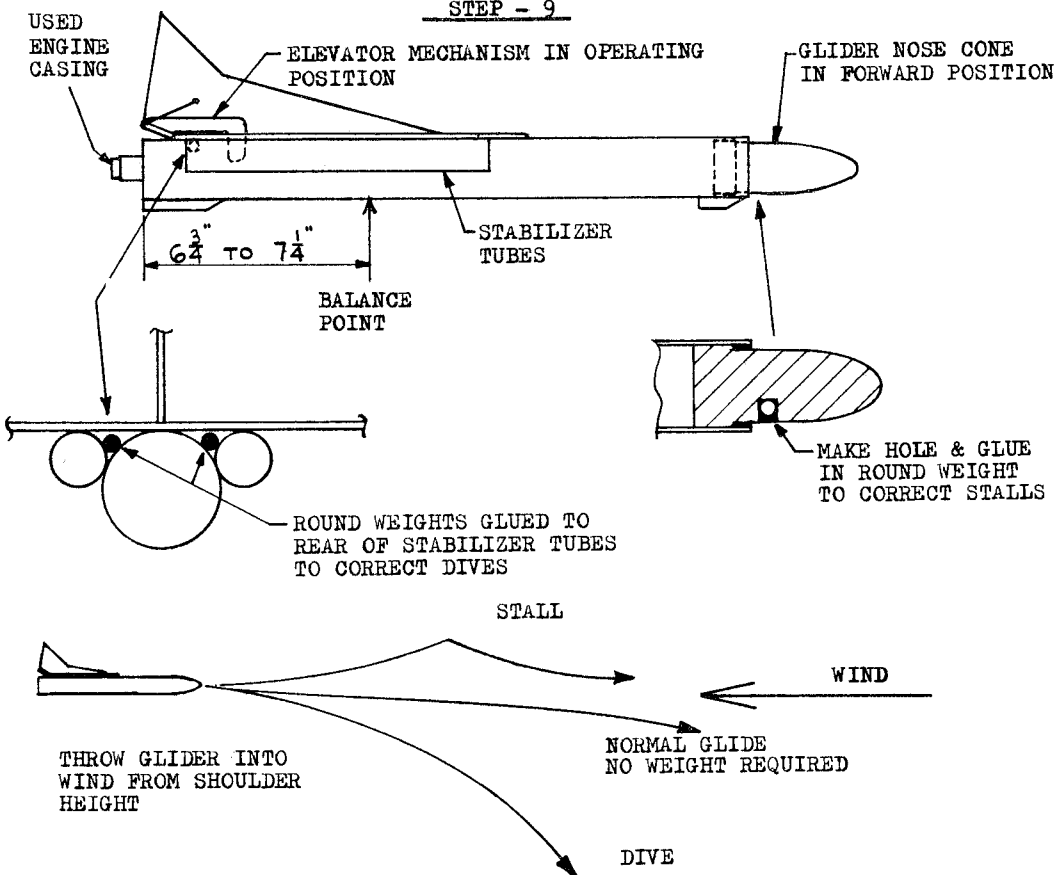
STEP - 8



BODY TUBE MARKING GUIDE

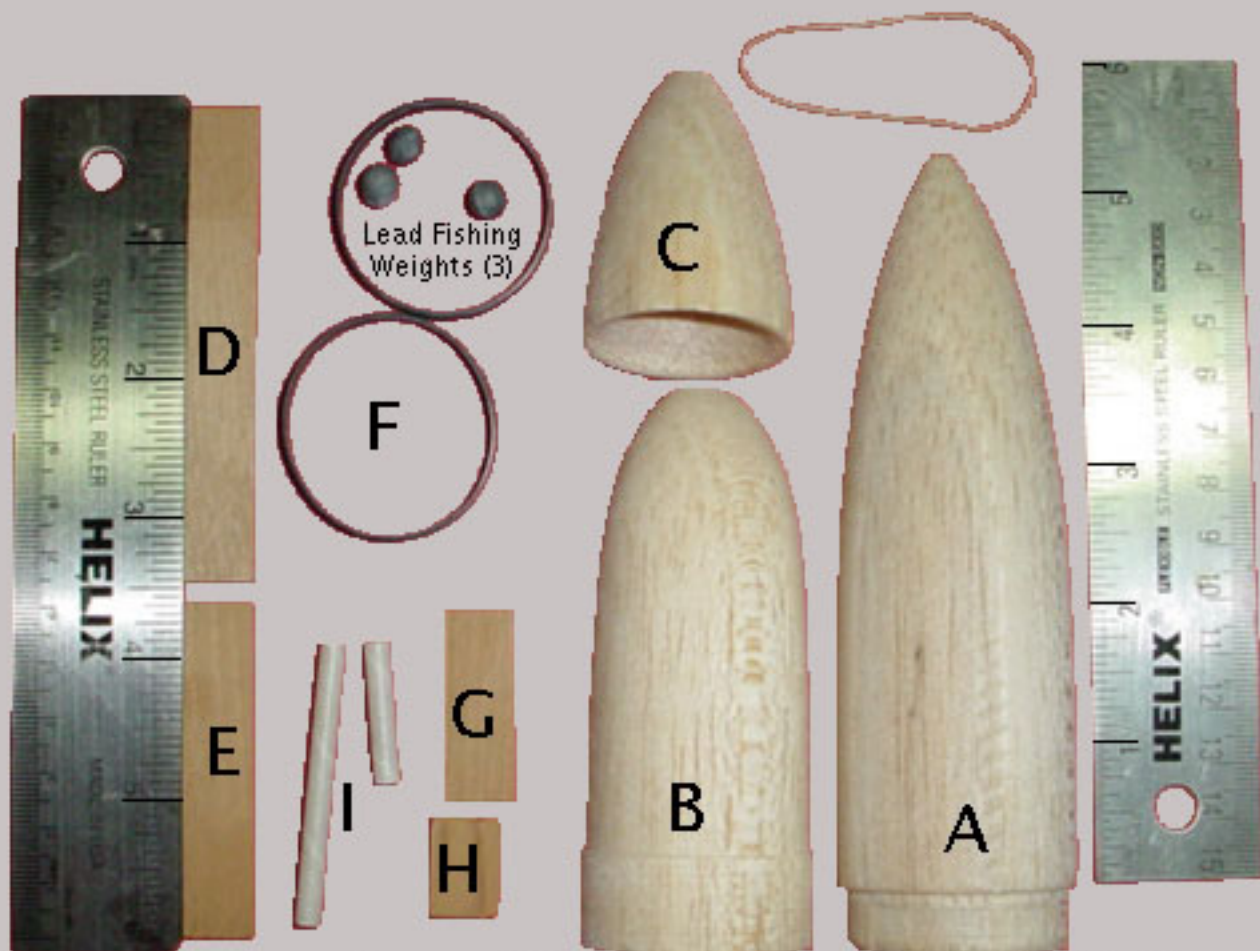


STEP - 9



PARTS LIST

- 1 - BODY TUBE 1.59 I.DIA. X 18" LONG
- 2 - STABILIZER TUBES 0.95 I.DIA. X 9" LONG
- 1 - TEMPLATE SHEET
- 1 - LARGE NOSE CONE (STREAMER POD)
- 1 - GLIDER NOSE CONE
- 1 - GLIDER NOSE CONE SEAT BLOCK
- 1 - DOWEL ROD 1/4" DIA. X 12" LONG
- 2 - STOP RINGS 1/4 WIDE X 1.59" O. DIA.
- 2 - PCS 3/32 X 3 X 11" Balsa (WING)
- 1 - PC 3/32 X 3 X 12 1/8 Balsa (WING)
- 1 - PC 3/32 X 3 X 6 1/4 Balsa (RUDDER)
- 1 - PC 3/32 X 1 1/4 X 9 1/2 Balsa (WING & RUDDER)
- 1 - PC 1/2 X 1/8 X 3 1/2 HARD WOOD (ELEVATOR)
- 1 - PC 1/2 X 1/8 X 1 1/2 " " (ELEVATOR)
- 1 - PC 1/2 X 1/8 X 1 " " (FRONT SKIDS)
- 1 - PC 1/2 X 1/8 X 2 3/8 " " (REAR SKIDS)
- 1 - RUBBER BAND
- 1 - ENGINE MOUNT PACKET
- 1 - 5/32 X 1 1/2 LG. LAUNCH LUG
- 1 - 5/32 X 1/2 LG. LAUNCH LUG
- 3 - LEAD WEIGHTS



A - Main Nose Cone. Ejects with streamer or rotor pod. Use BNC-60L as substitute. Sand shoulder to fit inside TC-60 coupler (stop rings).

B - Glider nose cone during recovery. Make from NB-60 nose block stock. Leave 3/4" cylinder at base of cone. This slides INSIDE main body tube. Alternately, cut shoulder off of a BNC-55 nose cone and glue to 3/4" of NB-60 nose block.

C - Recovery pod tail cone. Make from NB-60 nose block stock and round depression into bottom of cone. Slides inside main body tube.

D - Elevator, 1/8 x 1/2 x 3 1/2 inch hardwood.

E - Rear Skids, 1/8 x 1/2 x 2 3/8 inch hardwood.

F - Stop Rings (2), 1.59" O.D., 1/4" long. Make from TC-60 tube coupler.

G - Elevator, 1/8 x 1/2 x 1 1/2 inch hardwood

H - Front Skids, 1/8 x 1/2 x 1 hardwood.

I - Launch Lugs, 1 1/2 invch and 1/2/ inch, 5/32" diameter



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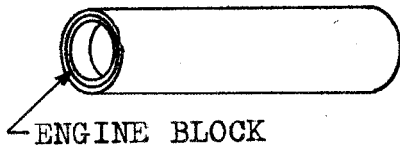
ENGINE MOUNT ASSEMBLY

Packet Contains:

- (1) Engine Holder
- (1) Engine Block
- (2) Centering Rings
- (4) Centering Ribs

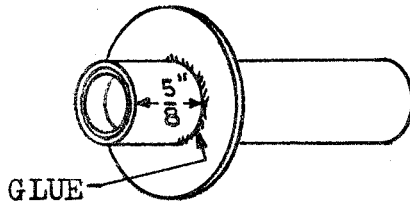
ENGINE MOUNT-ASSEMBLY INSTRUCTIONS

STEP - 1

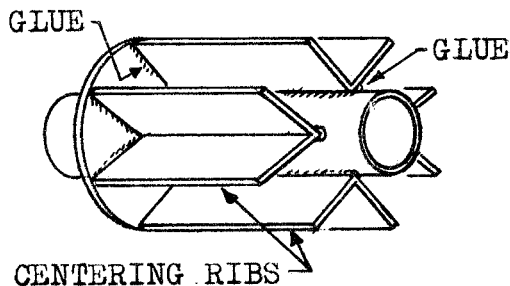


APPLY A RING OF GLUE TO ONE END OF ENGINE MOUNT TUBE. INSERT ENGINE BLOCK FLUSH WITH END OF TUBE. WIPE OFF EXCESS GLUE.

STEP - 2



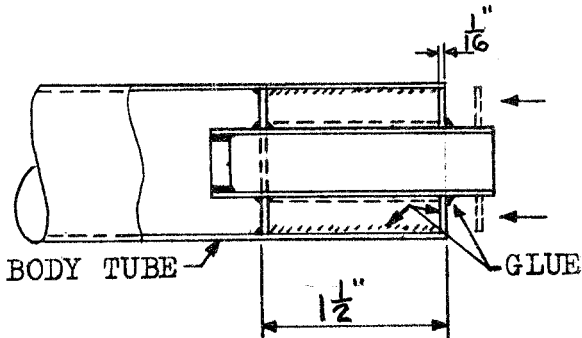
MARK A LINE ON ENGINE MOUNT TUBE 5/8" FROM END OF TUBE HAVING ENGINE BLOCK. SLIDE ONE LARGE RING UP TO LINE- ADD GLUE FILLET TO BOTH SIDES.



STEP - 3

PLACE A BEAD OF GLUE TO ONE END AND BOTTOM SIDE OF EACH "V" SHAPED CENTERING RIB. PLACE THEM EQUALLY AROUND THE ENGINE MOUNT TUBE. DO NOT ATTACH SECOND RING UNTIL COMPLETING NEXT STEP.

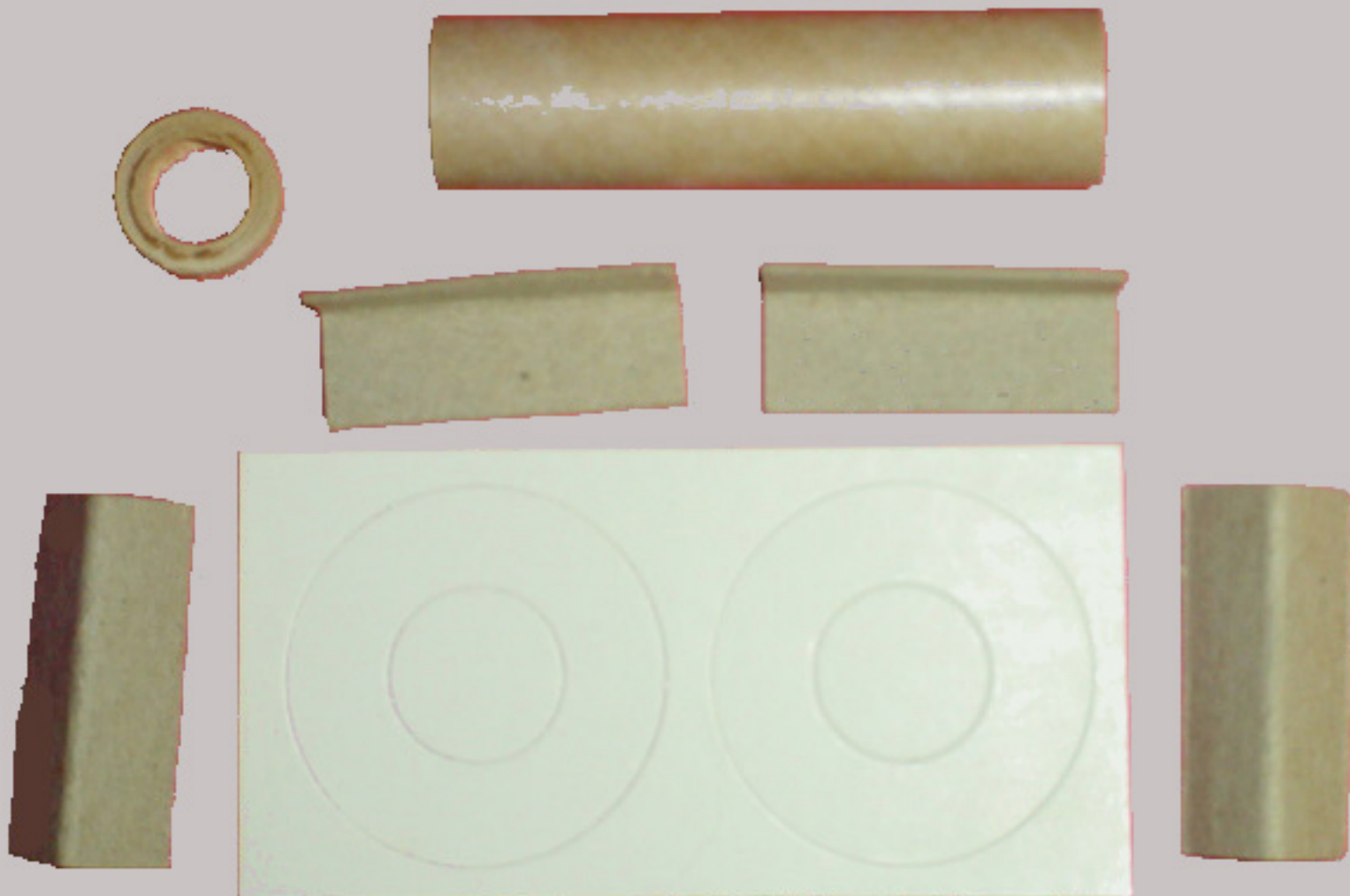
STEP - 4



PLACE A RING OF GLUE 1 1/2" INSIDE OF ROCKET BODY TUBE. INSERT THE ENGINE MOUNT LEAVING A 1/16" GAP FROM EDGE OF BODY TUBE TO REAR OF CENTERING RIBS. WITH A STICK, ADD A SMALL BEAD OF GLUE TO EACH RIB LENGTH ALONG BODY TUBE.

STEP - 5

PLACE A RING OF GLUE AROUND THE INSIDE EDGE OF THE BODY TUBE AND THE ENDS OF THE CENTERING RIBS. PUSH THE REMAINING RING OVER THE ENGINE MOUNT TUBE FILLING THE 1/16" GAP.



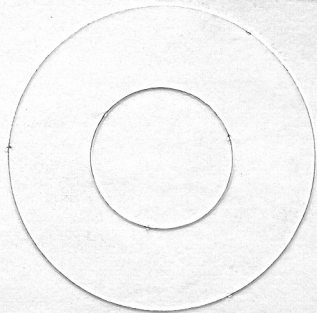
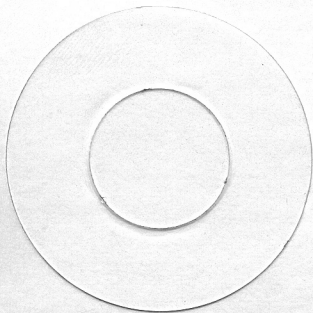
OOPS. I forgot the ruler as a reference! Here are some dimensions:

Motor Tube: Standard 18mm (BT-20) x 2.75"

The four (4) Motor mount supports are thick cardboard, 1.5" long by 1" wide (creased and folded lengthwise).

Standard 18mm motor block 1/4" long

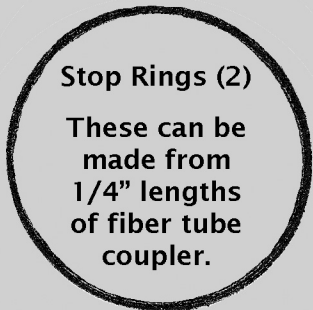
The centering rings are also on the templates page.



**Motor mount centering rings (2) -
Cardboard (i.e.: CR-2060)**

Stop Rings (2)

**These can be
made from
1/4" lengths
of fiber tube
coupler.**



WING PART " C "

WING PART
"D" CUT
FROM 3/32
x 1 1/4x
9 1/2

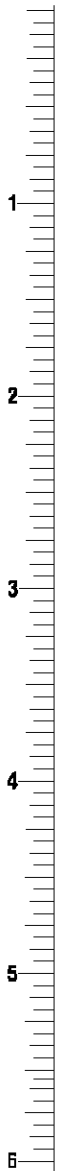
ELEVATOR CUT OUT

WING PART " B "

3/32 x 3 x 12 1/8

WING PART " A "
MAKE TWO FROM 3/32 x 3 x 11

WING PART " C "





HARD WOOD ELEVATOR MECHANISM

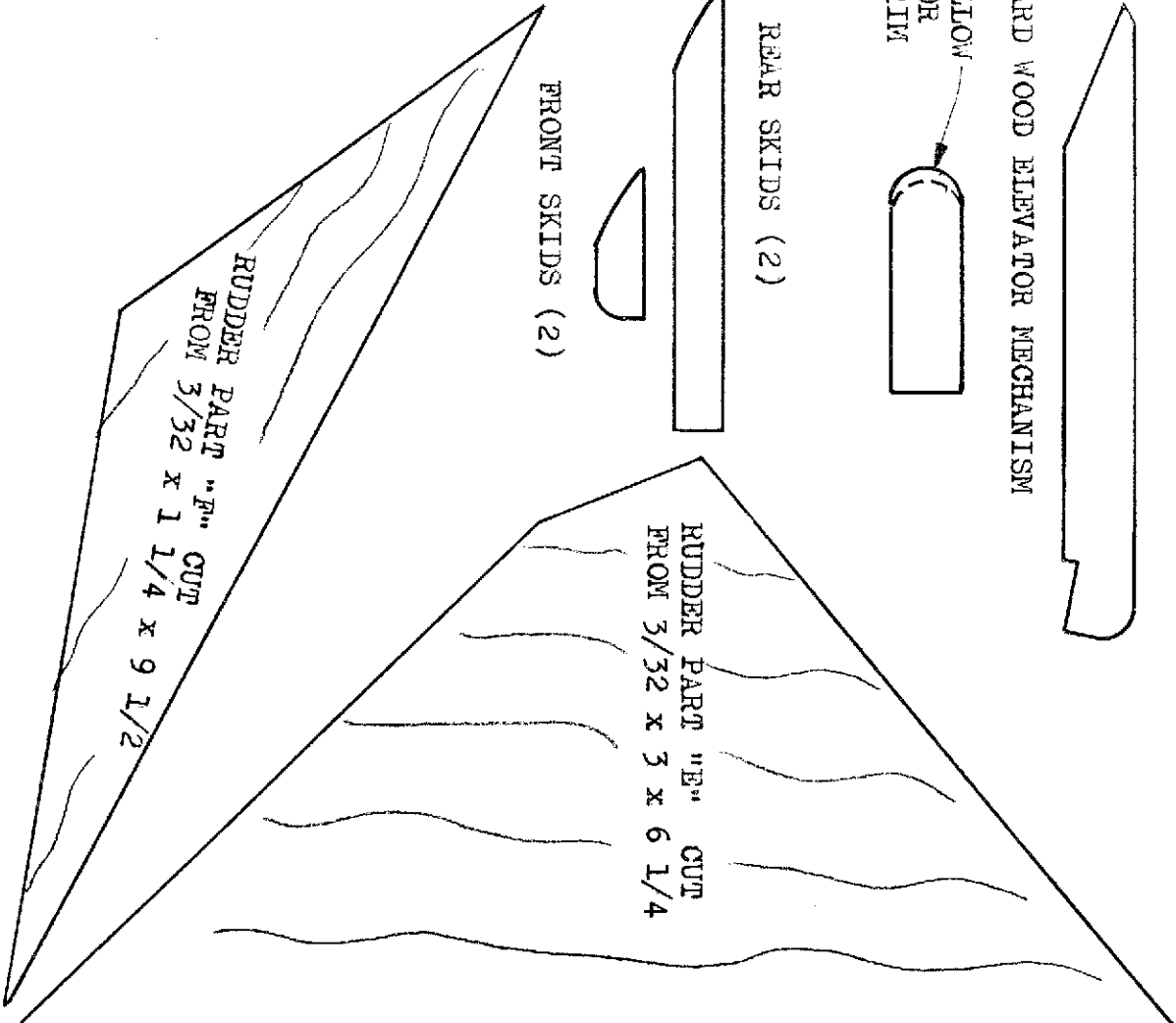


ALLOW
FOR
TRIM

REAR SKIDS (2)



FRONT SKIDS (2)



RUDDER PART "E" CUT
FROM 3/32 x 3 x 6 1/4

RUDDER PART "F" CUT
FROM 3/32 x 1 1/4 x 9 1/2

