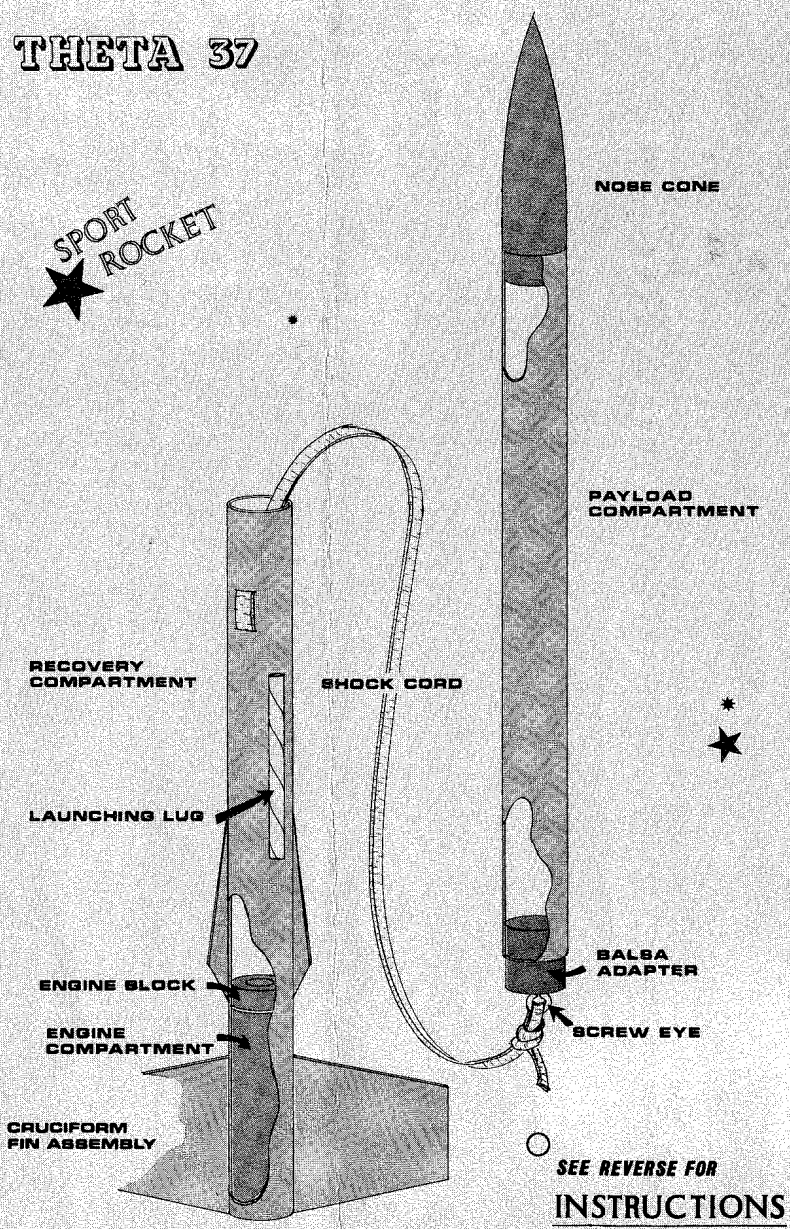
MODEL ROCKET INDUSTRIES
309 STATE STREET
MADISON, WISCONSIN 537 03

THETA 37

SPORT ROCKET



SEE REVERSE FOR INSTRUCTIONS

INSTRUCTIONS

1. IN THE THETA 37, THE PAYLOAD COMPARTMENT AND MAIN BODY TUBE ARE THE SAME LENGTH (9 INCHES). CHOOSE ONE FOR THE PAYLOAD COMPARTMENT, AND CEMENT BALSA ADAPTER INTO ONE END. ALLOW ONE HALF OF THE ADAPTER TO PROJECT FROM END OF TUBE. TURN SCREW EYE INTO CENTER OF ADAPTER. REMOVE SCREW EYE AND APPLY CEMENT IN AND AROUND THE HOLE. REPLACE SCREW EYE. (FIGURE A).

FIG. A

2. PLACE NOSE CONE INTO OPEN END OF PAYLOAD SECTION. NOSE CONE SHOULD FIT TIGHT IN TUBE. IF IT IS LOOSE, A PROPER FIT MAY BE OBTAINED BY WRAPPING THE BASE LIGHTLY WITH TAPE.

3. MEASURE DOWN ONE INCH (25 MM) FROM END OF BODY TUBE. CUT A SLIT CROSSWISE SLIGHTLY OVER ONE QUARTER INCH (6 MM) IN LENGTH. CUT A SECOND SLIT ABOUT ONE HALF INCH (12 MM) DIRECTLY BELOW THE FIRST ONE. PUSH END OF SHOCK CORD DOWN THROUGH BOTTOM SLIT. REACH INSIDE WITH TWEEZERS AND PULL THE CORD THROUGH UNTIL ABOUT ONE INCH (25 MM) OF SHOCK CORD IS LEFT OUTSIDE OF BODY TUBE. TUCK SHORT END OF CORD DOWN INTO FRONT SLIT. APPLY GLUE UNDER LOOP OF SHOCK CORD ON OUTSIDE OF BODY. PULL LONG END OF SHOCK CORD UNTIL LOOP LIES FLAT AGAINST BODY. COAT WITH GLUE.

FIG. B

4. THREAD LOOSE END OF SHOCK CORD THROUGH SCREW EYE AND SECURE WITH SEVERAL OVERHAND KNOTS.

5. APPLY A LIBERAL RING OF GLUE INSIDE AFT END OF BODY TUBE AND INSERT ENGINE BLOCK. USING THE ENGINE COMPARTMENT AS A PLUNGER AND A GUIDE, PUSH ENGINE BLOCK FORWARD WITH COMPARTMENT UNTIL COMPARTMENT IS FLUSH WITH END OF BODY TUBE. BACK COMPARTMENT HALFWAY OUT, APPLY GLUE TO ITS SURFACE AND RETURN TO ORIGINAL POSITION.

FIG. C

6. SAND OUTER SURFACE OF BODY TUBE LIGHTLY TO PREPARE IT FOR FINISHING. CUT OUT FINS FROM FIN PATTERN SHEET AND SAND LEADING AND TRAILING EDGES. DO NOT SAND THE ROOT EDGE (THAT PART OF THE FIN WHICH IS TO BE GLUED TO BODY TUBE). WRAP FIN SPACING GUIDE AROUND AFT END OF BODY TUBE AND MARK THE TUBE AT POINTS INDICATED ON THE GUIDE. CONNECT UPPER AND LOWER MARKS. THESE PARALLEL LINES ARE USED TO POSITION FINS. GLUE FINS ALONG THESE LINES MAKING SURE EACH FIN IS PARALLEL TO THE BODY TUBE AND PROJECTING STRAIGHT AWAY FROM IT. ALLOW TO DRY AND APPLY FILLETS ALONG BOTH SIDES OF EACH FIN.

FIG. D
FIG. E

7. GLUE LAUNCHING LUG ABOUT HALFWAY UP THE BODY TUBE SO THAT IT IS NOT IN LINE WITH ANY OF THE FINS. THE LUG MUST LIE PARALLEL TO BODY TUBE. FOR ADDITIONAL STRENGTH, ADD A FILLET OF GLUE ALONG EACH SIDE OF LUG.

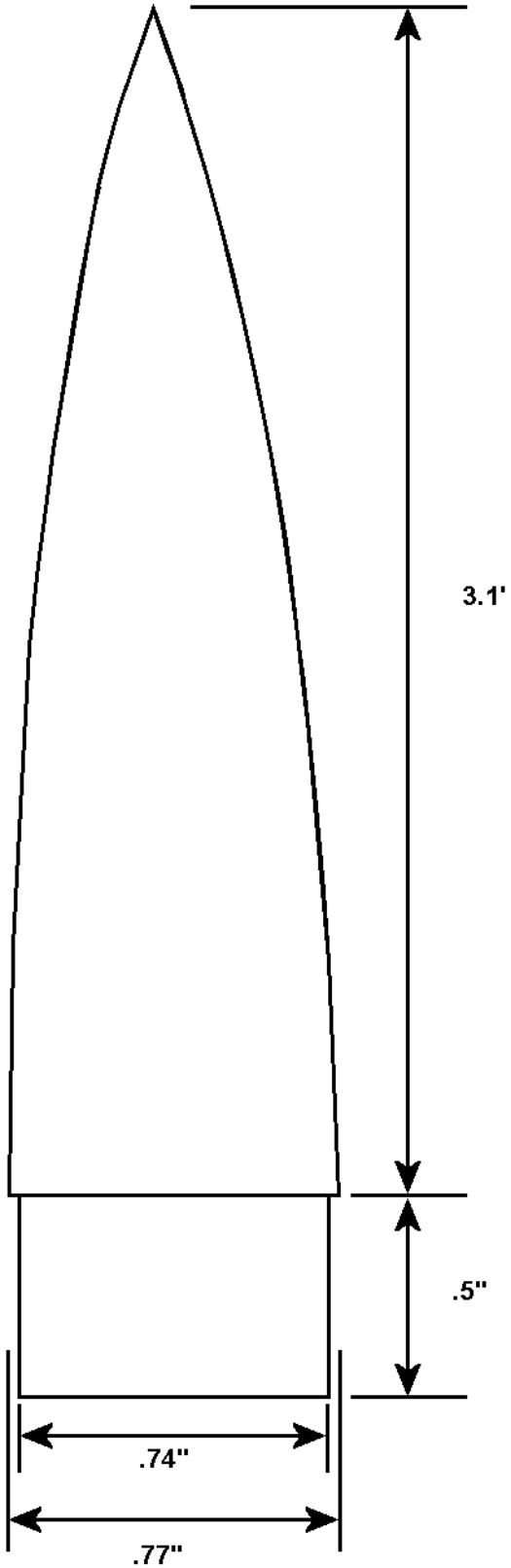
FIG. L

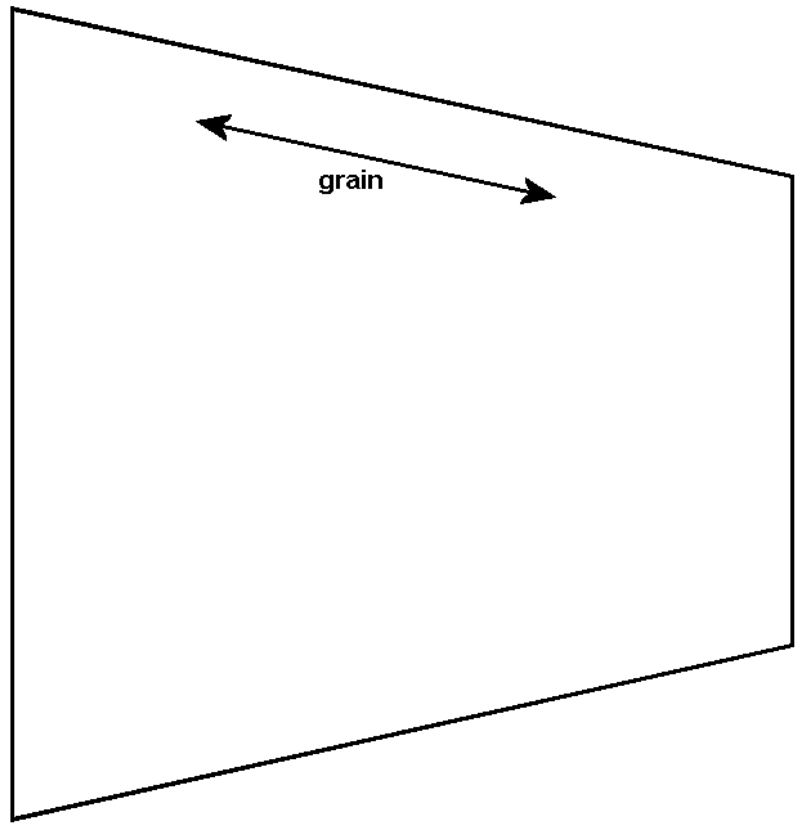
8. SAND OUTER SURFACE OF NOSE CONE AND BODY TUBE LIGHTLY WITH EMERY CLOTH. REPEAT UNTIL A SMOOTH FINISH IS OBTAINED. USE ANY COLOR OR COMBINATION OF COLORS TO FINISH YOUR MODEL. FOR EASIER TRACKING, WE SUGGEST THAT YOU USE COLORS WHICH WILL BE MOST VISIBLE AGAINST THE SKY.

ADDITIONAL NOTES.....

RECOVERY WADDING..... THE RECOVERY WADDING IS NECESSARY TO PROTECT YOUR RECOVERY DEVICES FROM HOT ENGINE GASES DURING EJECTION. WADDING MUST BE PLACED IN THE BODY TUBE AND PUSHED DOWN UNTIL IT COMES IN CONTACT WITH THE ENGINE BLOCK.

Theta 37





3/32" balsa