

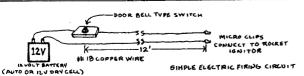
## AIDIDITIONAL INSTRUCTIONS FOR ASSEMBLY

## USE THE FOLLOWING ORDER FOR ASSEMBLY

- THRUST RING PLACE A HEAVY BAND OF ELMER'S GLUE ABOUT 2" INSIDE OF BODY TUBE. INSERT THRUST RING BY USING A FSI A,B,C,OR D ROCKET ENGINE, PUSH THRUST RING FORWARD UNTIL A,B,C,OR D ENGINE PROTECTS/A" ATSIDE BODY TUBE, FOR FSI "E" ENGINE PUSH FORWARD UNTIL 7/8" OF ENGINE PROTECTS OUTSIDE BODY TUBE, THE THRUST RING FORCES THE GLUE CORWARD AND PROVIDES FOR A STRONG BOND OF THRUST RING TO BODY TUBE. NOW EXTRACT ENGINE AND LET GLUE DRY.
- @ SHOCK CORD MOUNT SPREAD HEAVY LAYER OF ELHER'S GLUE ALL OVER THE SIDE OPPOSITE THE SHOCK CORD KNOT AFTER TAKING UP SLACK IN CORD. CURVE SHOCK CORD MOUNT AND INSERT INTO NOSE CONE END OF BODY TUBE AND FIRNLY PRESS IN PLACE, USING FINGER, DITTLI GLUE HOLDS FIRMLY. ASSEMBLY DETAIL SHEET SHOWS PROPER POSITION IN BODY TUBE.
- G FINS—ALL 3 FINS IN YOUR KIT ARE MARKED WITH BED EDGE. THIS RED EDGE IS TO BE PLACED NEXT TO THE BODY TUBE. BEFORE GLUING INTO PROPER POSITION YOU MAY WANT TO SAND AND ROUD OFF ALL FIN EDGES, EXCEPT DO NOT SAND RED EDGE, AFTER SANDING EDGES, PLACE A SMALL AMOUNT OF ELMER'S GLUE ALONG THE RED EDGE AND IMMEDIATELY PRESS AGAINST BODY TUBE. HOLD SECURELY UNTIL GLUE SETS STRONG ENOUGH ITD SUPPORT FIN. BE SURE FIN IS PARALLEL TO BODY TUBE AND RAPIAL THROUGH CENTER OF BODY TUBE. REPEAT FOR THE OTHER TWO REMAINING FINS. YOUR BODY TUBE IS MARKED WITH 3 BLACK MARKS. PLACE FINS ALONG THESE LINES FOR PROPER SPACING OF 120° AND PARALLEL ALIGNMENT. AFTER TACK COAT OF GLUE DRIES HARD PLACE TWO MORE LINES OF GLUE ALONG FIN AND BODY TUBE TO BUILD UP A STRONG FILLET.
- FLAME PROOF WADDING BE SORE THAT FLAMEPROOF WADDING IS USED EACH TIME ROCKET IS FIRED. PUSH WADDING ALL THE WAY DOWN TO THRUST TRING AND PACK IN FIRMLY WITH A 5/8" DOWELOR SIMILAR TOOL. USE ENOUGH WADDING TO MAKE APPOXIMATELY A 5/8" LONG PLUG. SEE ASSEMBLY DETAIL SHEET.
- PARACHUTE THE PARACHUTE IS MARKED IN INCHES. CUT WITH SCISSORS ALONG THE INCH LINES THAT GIVE YOU THE SIZE PARACHUTE YOU DESIZE (FOR MICRO ROCKET—12"). LAY PARACHUTE ON FLAT SURRACE AND ATTACH SHROUD LINES TO PARACHUTE USING STRIPPABLE TABS (SEE DETAIL C), CAUTION: LET NON-PORTION OF TAB PROJECT BEYOND PARACHUTE AS GLUE ON TAB WILL STICK PARACHUTE TOGETHER AND INTERFERE WITH ITS OPENING. TRY NOT TO TOUCH THE GLUE SIPE OF TAB WITH FINGERS.
- SHOCK CORD & PARACHUTE AFTER INSERTING WADDING INTO BODY TOBE, COIL SHOCK CORD AROUND YOUR FINGER AND STUFF INTO BODY TOBE. NEXT FOLD PARACHUTE AS SHOWN ON ASSEMBLY PRAWING, GATHER TOGETHER LIGHTLY, THE PARACHUTE, THEN WRAP SHROUD LINES GENTLY AROUND FOLDED PARACHUTE AS SHOWN IN DETAIL C. DIAMETER OF FOLDED PARACHUTE SHOULD BE SLIGHTLY SHALLER THAN, INSIDE DIAMETER OF BODY TUBE. ALL DETAILS ARE SHOWN ON ASSEMBLY DETAIL SHEET. BESURE NOSE COME IS A GENTLE FIT INTO BODY TUBE. LIGHT SANDING MAY BE NEEDED.
- 1 ROCKET ENGINE— WRAP A SMALL AMOUNT OF 12" WIDE HASKING TAPE AROUND THE ROCKET ENGINE AT THE POSITION SHOWN ON DETAIL A. USE ENOUGH TAPE TO SECURE A SNUG FIT INTO THE BODY TOBE AS TO REQUIRE A FIRM PUSH ON ENGINE TO PLACE IN CONTACT WITH THRUST RING. IF ENGINE DOES NOT FIT SNUGLY, IT WILL BE EJECTED INSTEAD OF PARACHUTE AND YOUR ROCKET WILL FREE FALL.

## MODEL BOCKET FIBING & LAUNCHING EQUIPMENT

TO FLY YOUR FSI MODEL ROCKET PROPERLY YOU WILL NEED TO PROVIDE YOURSELF WITH A 12 VOLT FIRING CIRCUIT AND ASIMPLE ROCKET LAUNCH PAD. YOU CAN EASILY BUILD YOUR OWN OR PURCHASE FROM YOUR DEALER FSI SUPERIOR QUALITY LAUNCHERS, AND ELECTRIC IGNITION PANEL. DETAILS FOR BUILDING YOUR DWN LAUNCHER AND ELECTRIC IGNITION CIRCUIT ARE AS FOLLOWS.



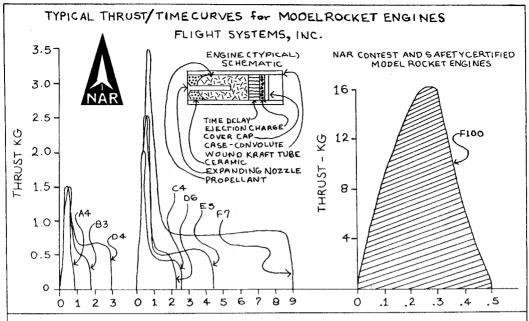
CH PAD. YOU CAN
I SUPERIOR QUALITY
BUILDING YOUR
S FOLLOWS.

SMEET
METAL DEFLECTOR
NAIL

Z" X G" X G" LONG

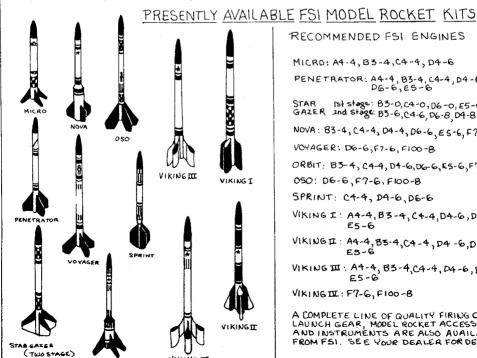
SHIPLE LAJNCH PAD

14"



ALL OF THE ABOVE ROCKET ENGINES ARE AVAILABLE AT MOST OF THE BETTER HOBBY SHOPS THROUGHOUT THE UNITED STATES. IF YOUR FAVORITE HOBBY STORE DOES NOT STOCK THE F.S.I. LINE, HAVE HIM WRITE US FOR OUR LATEST CATALOG AND PRICES. IF YOU DESIRE YOUR OWN CATALOG, SEND 25¢ TO FLIGHT SYSTEMS, INC.

YOU HAVE JUST PURCHASED ONE OF FSI'S SUPERIOR QUALITY MODEL ROCKETS. OTHER FINE FSI KITS ARE ALSO AVAILABLE THE FSI ROCKET FLEET IS CONSTANTLY BEING ADDED TO. SEE ALL OF THESE MODELS AT YOUR HOBBY DEALER.



## RECOMMENDED FSI ENGINES

MICRO: A4-4, B3-4, C4-4, D4-6

PENETRATOR: A4-4, B3-4, C4-4, D4-6, D6-6, E5-6

STAR 151 stage: 83-0,04-0,06-0, E5-0 GAZER 2nd Stage: 83-6,04-6,06-8,04-8,E5-6

NOVA: B3-4, C4-4, D4-4, D6-6, E5-6, F7-6

VOYAGER: D6-6, F7-6, F100-8

ORBIT: B3-4, C4-4, D4-6, D6-6, K5-6, F7-6

050: D6-6, F7-6, F100-8

SPRINT: C4-4, D4-6, D6-6

VIKING I: A4-4, B3-4, C4-4, D4-6, D6-6,

E5-6

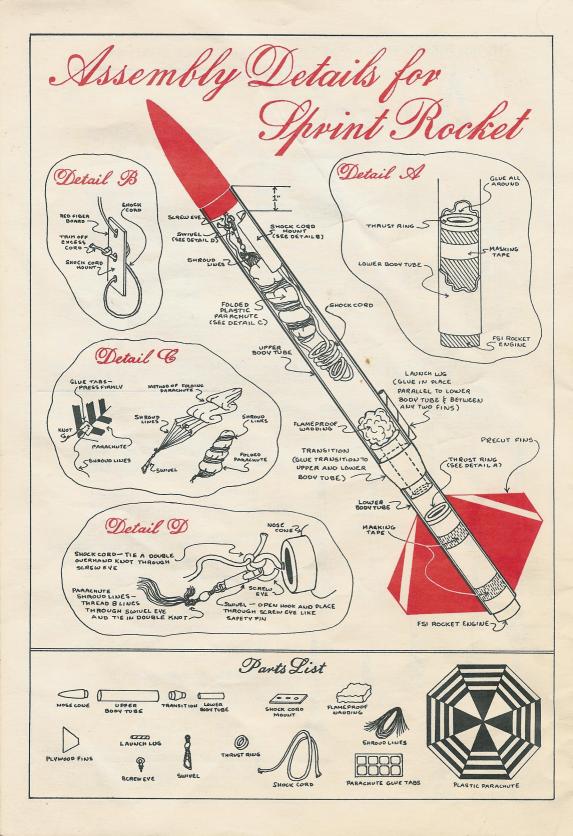
VIKING II : A4-4, B5-4, C4-4, D4-6, D6-6,

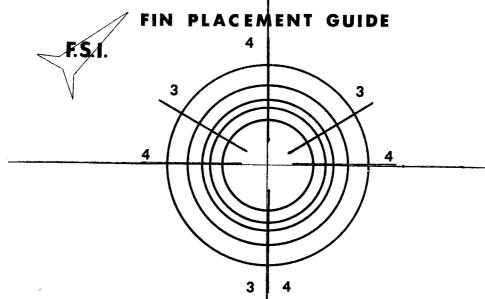
VIKING III: A4-4, B3-4, C4-4, D4-6, D6-6

E5-6

VIKING IX: F7-6, F100-B

A COMPLETE LINE OF QUALITY FIRING CIRCUITS. LAUNCH GEAR, MODEL ROCKET ACCESSORIES AND INSTRUMENTS ARE ALSO AVAILABLE FROM FSI. SEE YOUR DEALER FOR DETAILS.





- 1. Center end of tube in the proper circle.
- 2. Mark (4) lines for four fin models and (3) lines for three fin models.

