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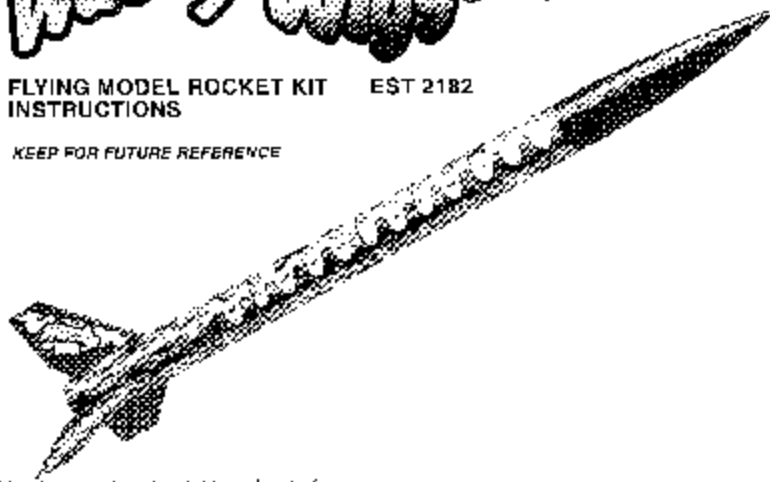
4700 N. Broadway  
P.O. Box 1  
Huntsville, GA 31240

PRINTED IN CHINA

# Wacky Winkler

FLYING MODEL ROCKET KIT EST 2182  
INSTRUCTIONS

KEEP FOR FUTURE REFERENCE



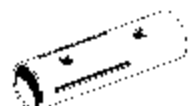
## ASSEMBLY TIP

Read all instructions before beginning work on your model. Make sure you have all parts and supol 99.

**TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE.** If any parts don't fit properly, sand as required for precision assembly.

## PARTS

Locate the parts shown below and lay them out on the table in front of you. DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET.



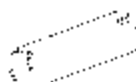
Slotted Body Tube E-1030  
Green Phosphate Paint (1) (E-574)



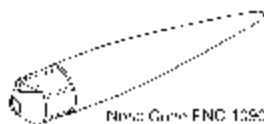
Upper Body Tube E-1010  
Green Phosphate Paint (1) (E-574)



Body Tube Sections E-1030  
Green Phosphate Paint (1) (E-574)



Blue Engine Mount Tube  
(1) (E-231)



Nose Cone E-NC 1080  
(1) (E-415)



Plastic Tube Coupler (3) (E-411)

Plastic Parts Set (1) (E-112) (Expeller as a set)



Rear Engine Ring (1)



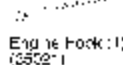
Front Engine Ring (1)



Engine Mount Section with Launch Lug Cuttings (1)



Fins (3)



Engine Hook (1)  
(E-521)



Launch Lugs (2)



Engine Mount Sections (3)



Not used



Not used



15 mm Braked Core (1)  
(E-447)

## SUPPLIES

In addition to the parts included in the kit you will also need:



E-1000  
GLUE



GREEN PHOSPHATE  
PAINT



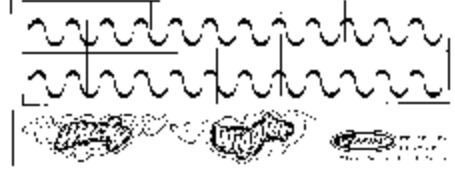
E-1000  
PRIMER  
(E-999) (E-574)



MODELING  
KNIFE



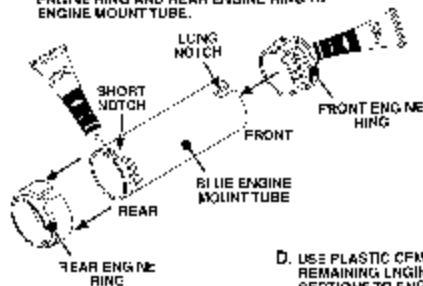
MASKING  
TAPE



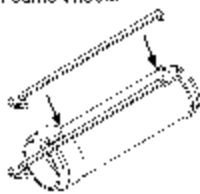
Excelsior Sleeves (1) (E-410)

## 1. ASSEMBLE ENGINE MOUNT

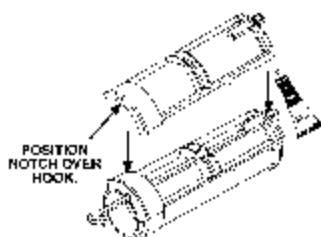
A. USE PLASTIC CEMENT TO GLUE FRONT ENGINE RING AND REAR ENGINE RING TO ENGINE MOUNT TUBE.



B. POSITION HOOK.



C. USE PLASTIC CEMENT TO GLUE ENGINE MOUNT SECTION WITH LAUNCH LUG HOLES TO ENGINE MOUNT TUBE.



D. USE PLASTIC CEMENT TO GLUE REMAINING ENGINE MOUNT SECTIONS TO ENGINE MOUNT TUBE.

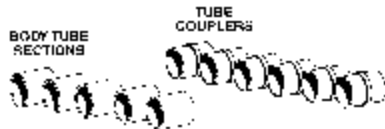


E. LET FINISHED ENGINE MOUNT DRY.



## 2. ATTACH BODY TUBE SECTIONS TO COUPLERS

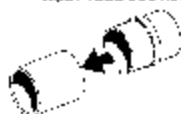
A. LOCATE THE FIVE BODY TUBE SECTIONS AND FIVE OF THE TUBE COUPLERS.



B. APPLY PLASTIC CEMENT INSIDE ONE BODY TUBE SECTION.



C. INSERT TUBE COUPLER INTO BODY TUBE SECTION.



E. SAND INSIDE LIP OF EACH BODY TUBE SECTION.



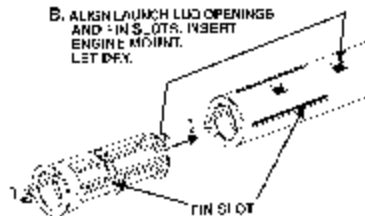
D. REPEAT STEPS BAC FOR REMAINING FOUR SECTIONS AND COUPLERS.

## 3. INSTALL ENGINE MOUNT, LAUNCH LUGS & FINS.

A. SPREAD PLASTIC CEMENT INSIDE REAR OF SLOTTED BODY TUBE.



B. ALIGN LAUNCH LUG OPENINGS AND FIN SLOTS. INSERT ENGINE MOUNT. LET DRY.



C. APPLY PLASTIC CEMENT TO LAUNCH LUGS. INSERT LAUNCH LUGS INTO OPENINGS AS SHOWN. LET DRY.



D. APPLY PLASTIC CEMENT TO TAB ON FIN AND INSERT FIN INTO FIN SLOT.



E. REPEAT FOR REMAINING FINS. LET DRY.



NOTE: FINS MUST BE ATTACHED CORRECTLY FOR STABLE FLIGHT

## 4. ASSEMBLE NOSE CONE SECTION

A. REMOVE EXCESS FLASH FROM NOSE CONE AND EYELET.



CAUTION: DO NOT CUT OFF EYELET.

B. TIE BRAIDED CORD TO NOSE CONE.



C. APPLY PLASTIC CEMENT INSIDE UPPER BODY TUBE.



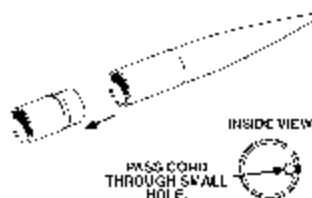
D. PASS BRAIDED CORD THROUGH UPPER BODY TUBE AND INSERT NOSE CONE INTO UPPER BODY TUBE. LET DRY.



FINISHED ASSEMBLY

## 5. ATTACH BODY SECTIONS

A. PASS BRAIDED CORD THROUGH SMALL HOLE IN ONE COUPLER/BODY TUBE SECTION AS SHOWN.



PASS CORD THROUGH SMALL HOLE.

INSIDE VIEW



B. TIE A KNOT IN CORD AS SHOWN.



C. OFFSET STEPS A&B FOR THE 4 REMAINING COUPLER/BODY TUBE SECTIONS. KEEP KNOTS IN CORD SPACED AT 12" (30.5 cm) APART.



DOUBLE KNOT

TUBE COUPLER

LAST BODY SECTION

D. APPLY SMALL DROP OF BLUE TO KNOT IN CORD.

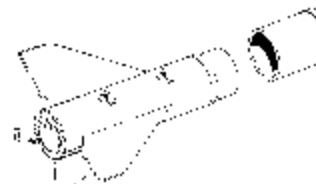


## 6. ATTACH LOWER BODY TUBE

A. APPLY PLASTIC CEMENT INSIDE FRONT OF LOWER BODY TUBE.

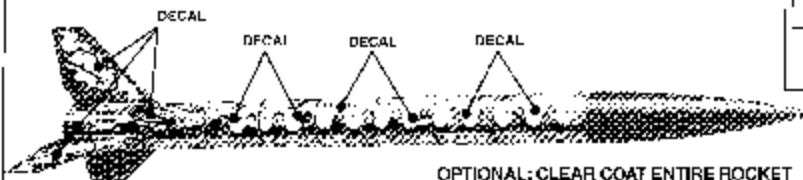
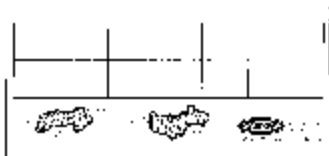


B. PULL BRAIDED CORD AGAINST HOLE IN COUPLER AND INSERT COUPLER INTO BODY TUBE. LET DRY.



## DECAL APPLICATION

DECAL SHEET



OPTIONAL: CLEAR COAT ENTIRE ROCKET AFTER DECAL APPLICATION.

## ROCKET PREFLIGHT

A. PUSH BRAIDED CORD INTO BODY SECTIONS AND CONNECT BODY SECTIONS.

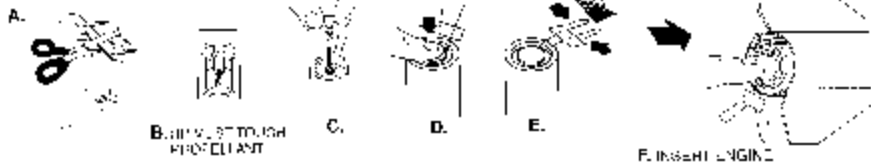


READY TO LAUNCH!

## PREPARE ENGINE

### WARNING: FLAMMABLE

IGNITION OF THE Rocket Motor & Fuel Mixture Could Result in Fire or Explosion. PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH. Do not use the engine until you are ready to launch.

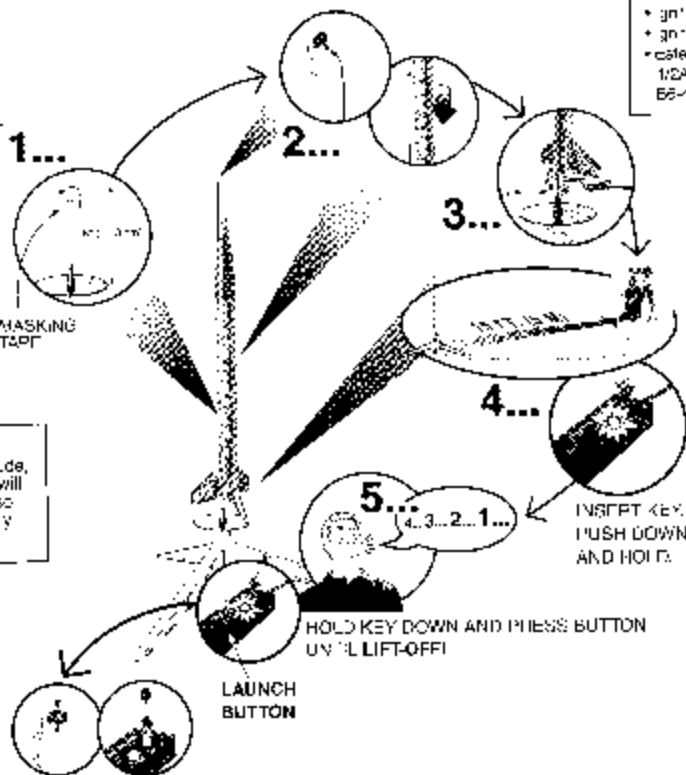


F. INSERT ENGINE

## COUNTDOWN AND LAUNCH



KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!



NOTE: When your Weezy Wyldur™ reaches peak altitude, the engine separation charge will separate all body sections so the rocket can wiggle weezy back to earth!

### LAUNCH SUPPLIES

- (Sold Separately)
- Fuel, Pack II Launch Pad
  - Election Beam Launch Controller
  - Igniter (with Engine)
  - Igniter Plugs (with Engine)
  - Safety Pins (see 12AS-9, AR 3, AR 4, B4-4, B5-4, C9-3, G11)

## PRECAUTIONS

NAR Safety Code



NO DRY GLASS OR WETDS

### FLYING YOUR ROCKET

Choose a large field (500 ft [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Postpone flights until playgrounds are quiet. Launch only with little or no wind and good visibility.

Always follow the National Association of Rocketry (NAR)

SAFETY CODE.

### MISFIRES

TAKE THE KEY OUT OF THE CONTROLLER, WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it will red hot air from igniter the engine because it was air touching the propellant inside the engine. Put a new igniter on the way it side. If the engine without handling it. Push the plug in place. Hermet the caps under Controller and launch.