



ESTES INDUSTRIES  
1295 H Street  
Penrose, CO 81240

# MINI NABOO ROYAL STARSHIP™

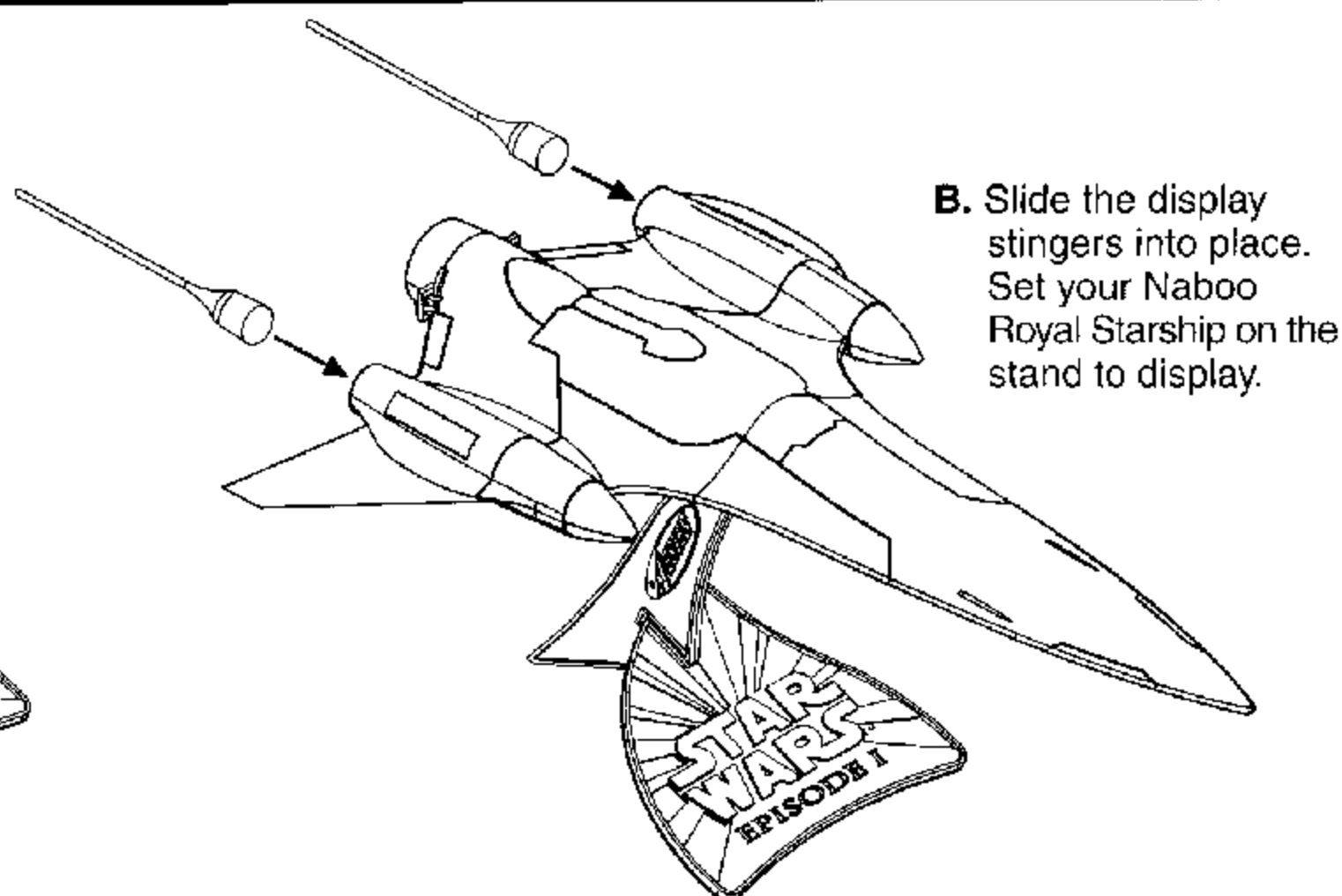
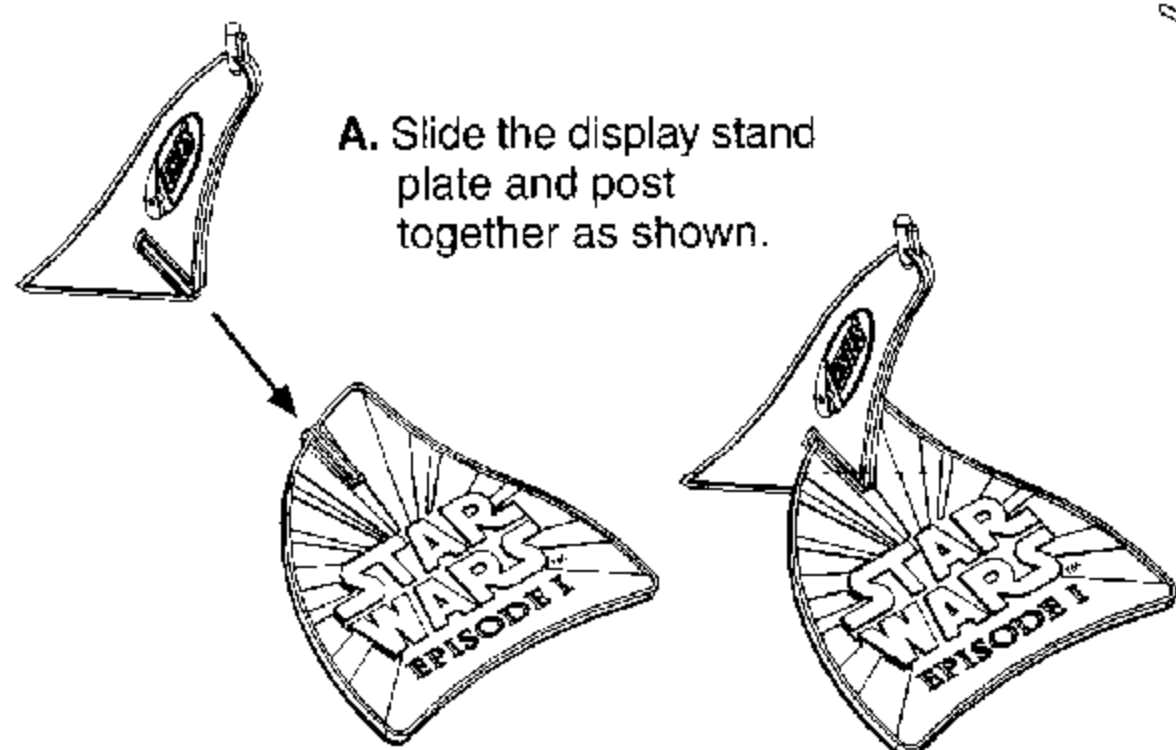
Flying Model Rocket Kit Instructions

# STAR WARS™

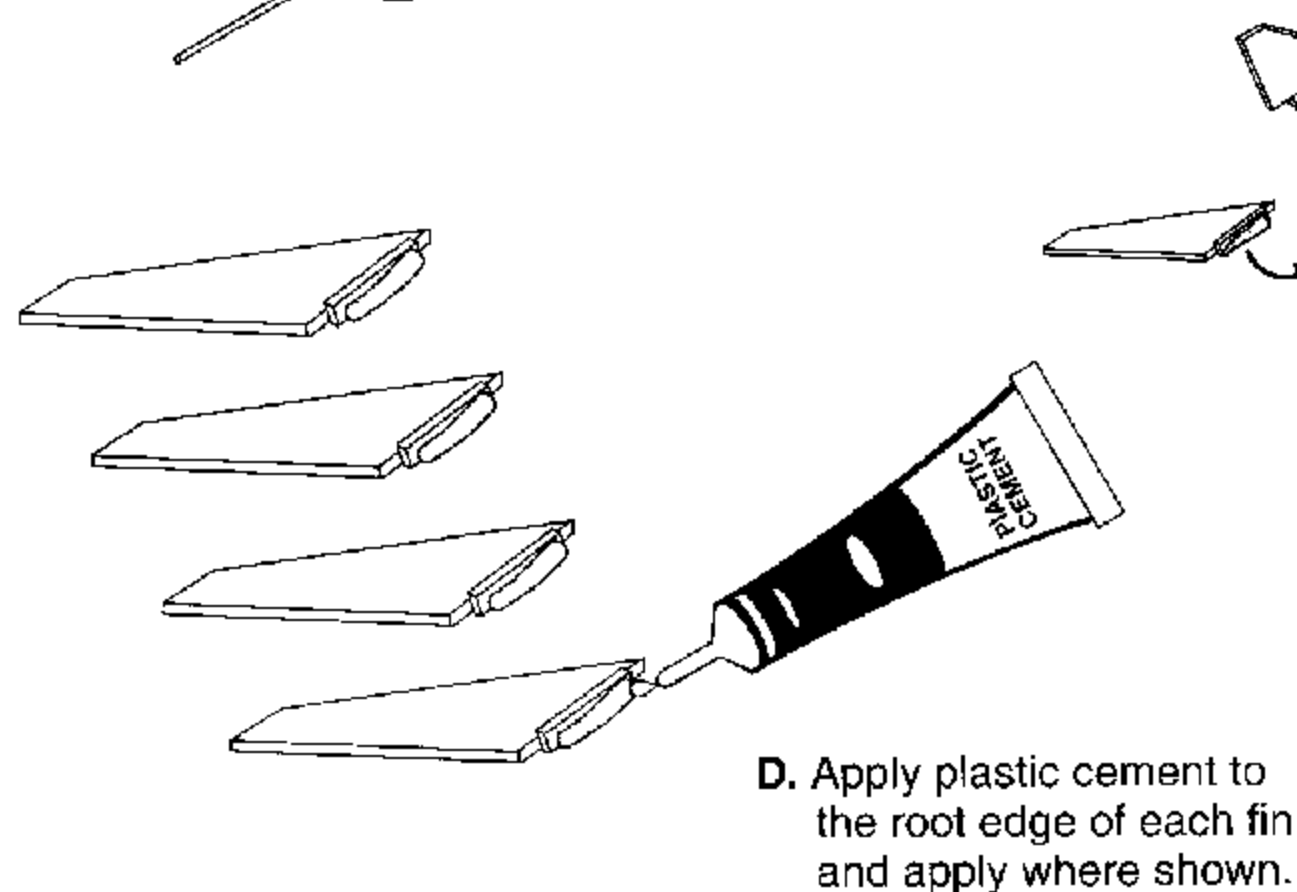
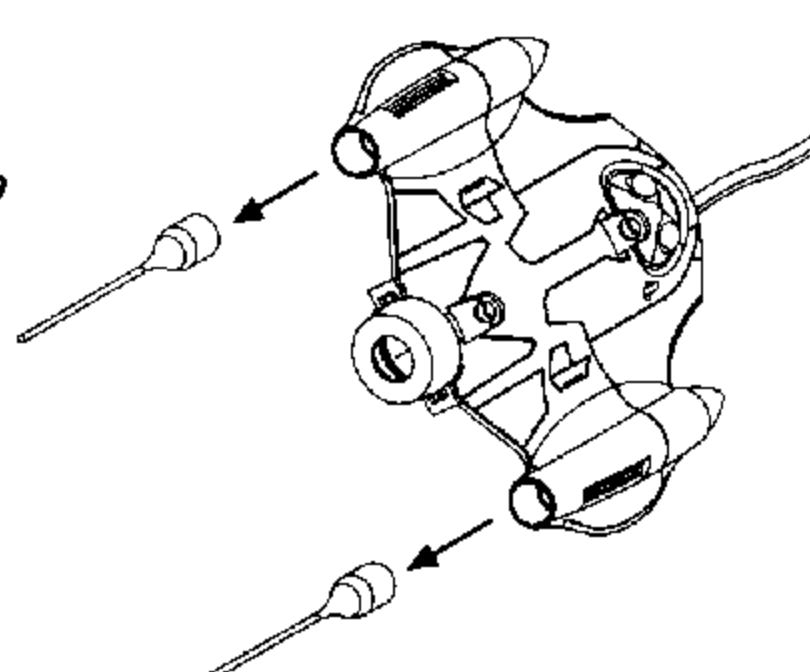
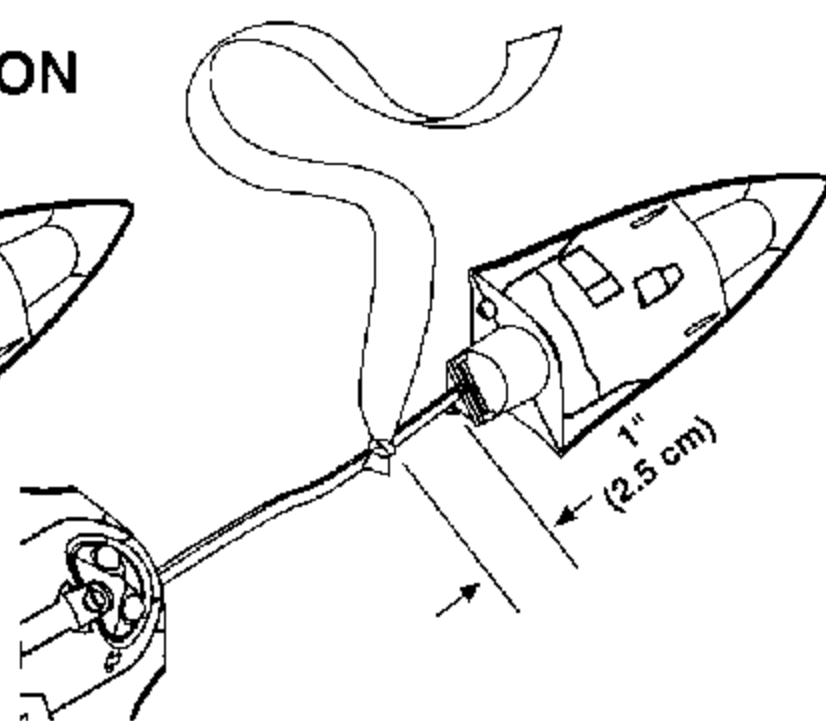
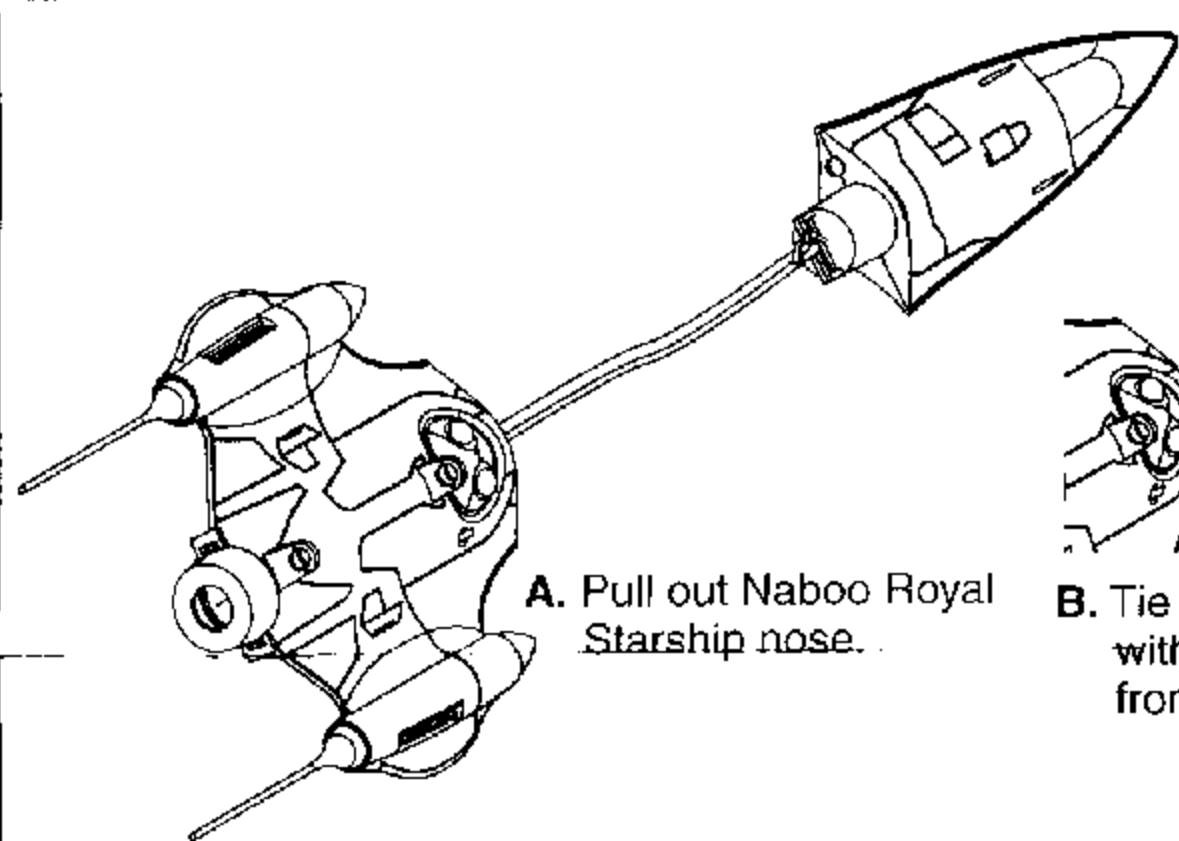
## EPISODE I

(11-98) 84411 EST 1834

## 1. THE DISPLAY STAND

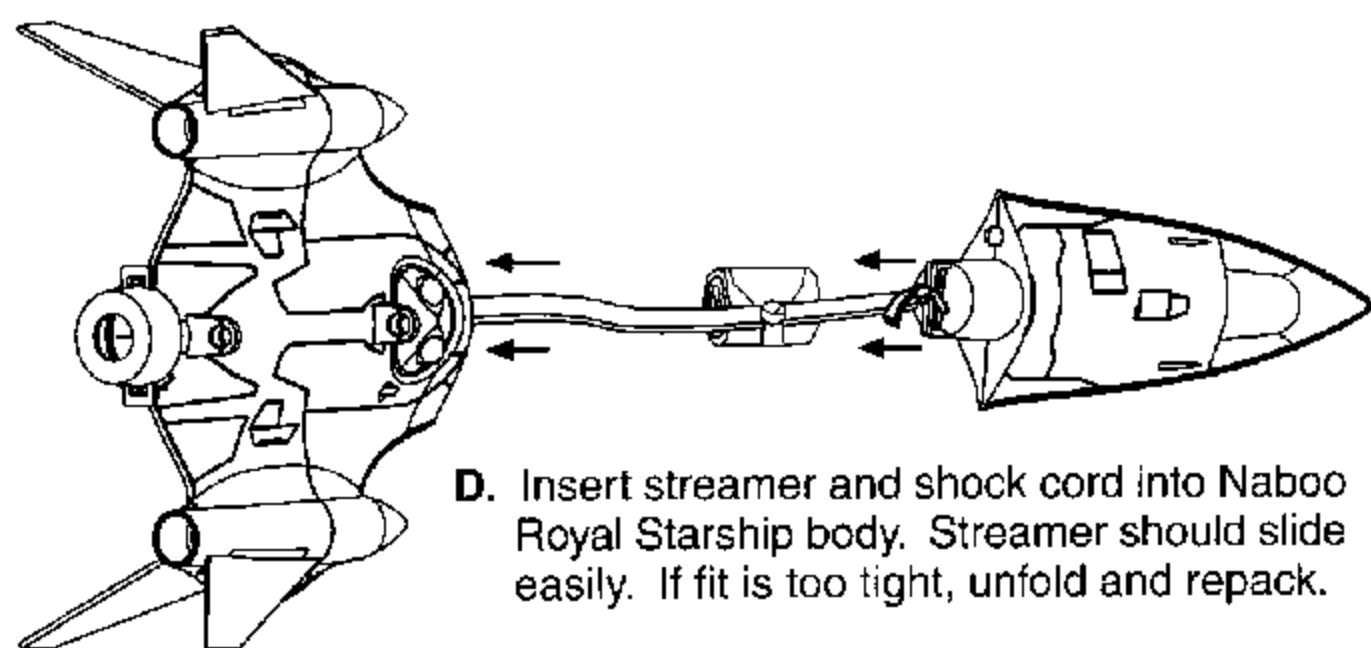
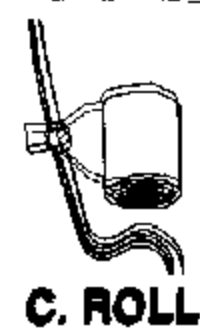
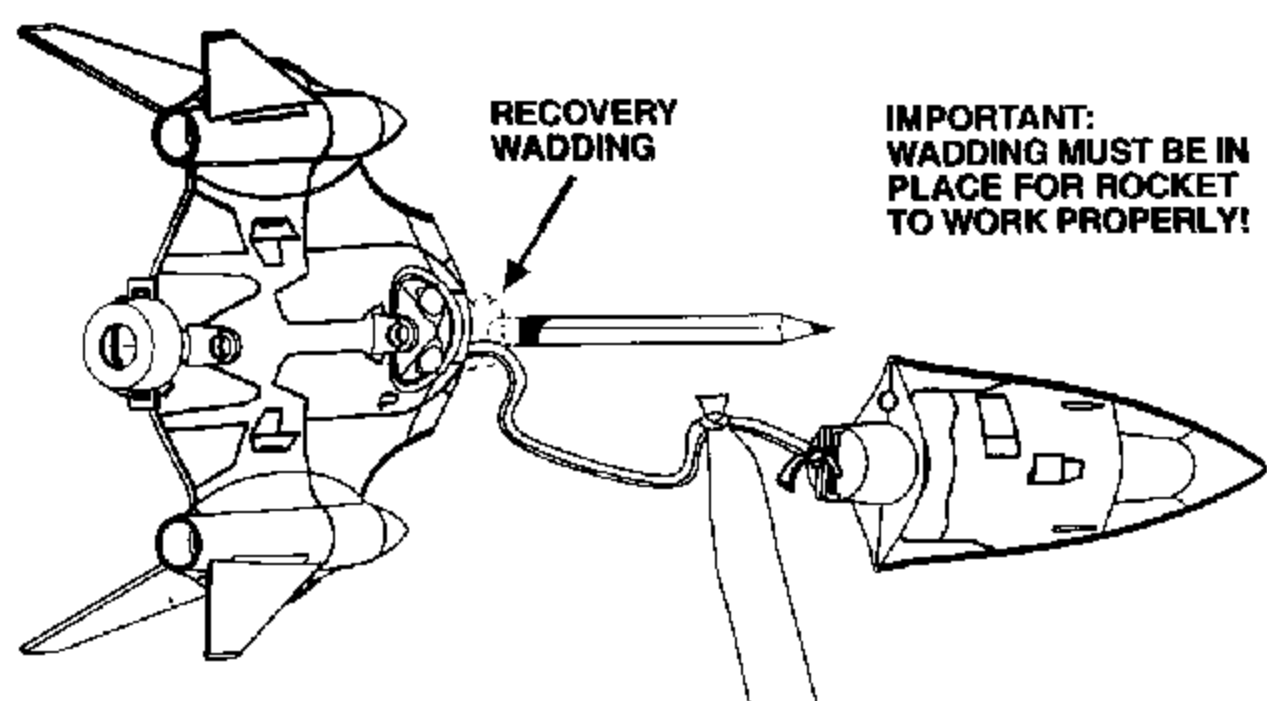


## 2. ROYAL STARSHIP PREPARATION



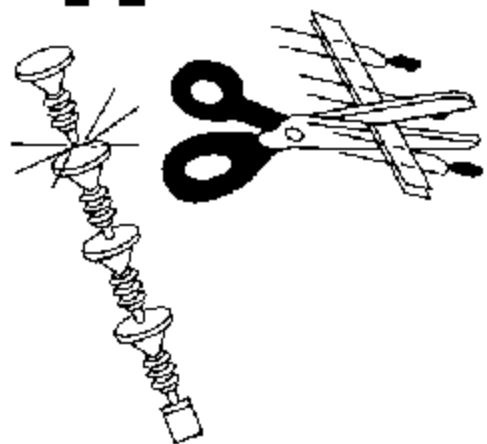
**NOTE: ALL FOUR FINS MUST BE IN PLACE FOR STABLE FLIGHT. DO NOT ATTEMPT TO FLY YOUR NABOO ROYAL STARSHIP ROCKET WITHOUT THE FINS!**

## 3. PREPARE STREAMER FOR FLIGHT

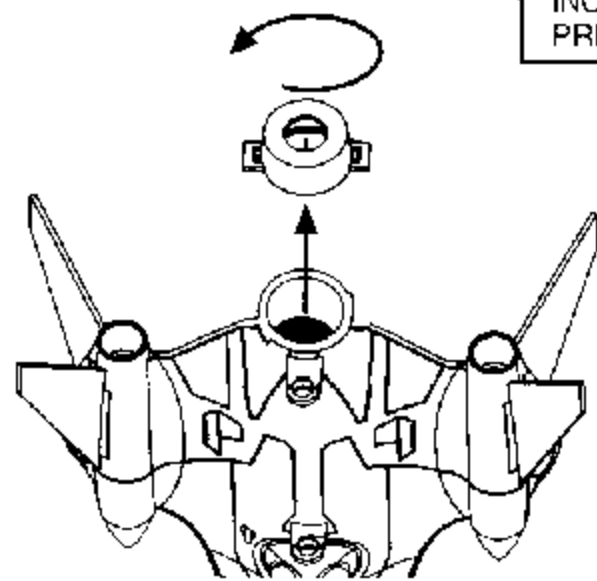


## 4. PREPARE ENGINE FOR FLIGHT

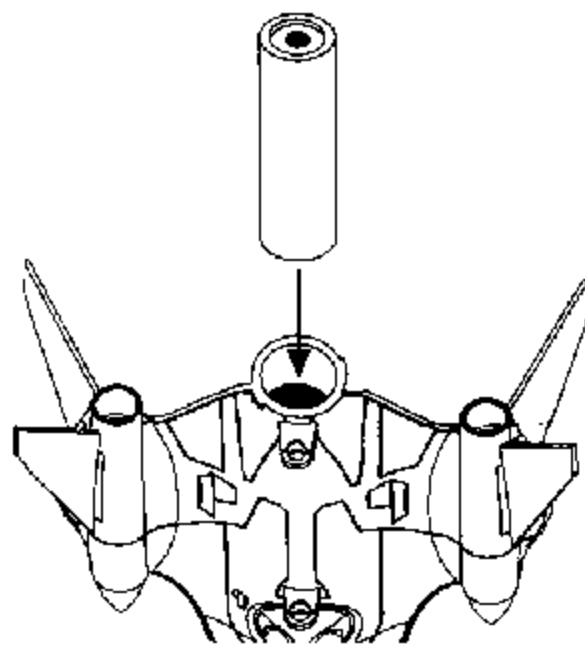
**WARNING FLAMMABLE:** BEFORE PROCEEDING, READ INSTRUCTIONS AND NAR SAFETY CODE INCLUDED WITH ENGINES. PREPARE YOUR ENGINE **ONLY** WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH! If you do not use your prepared engine, remove the igniter before storing your engine.



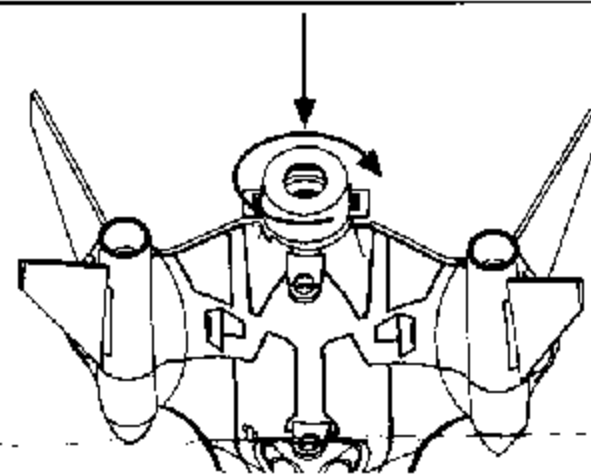
A. Separate igniter and igniter plug.



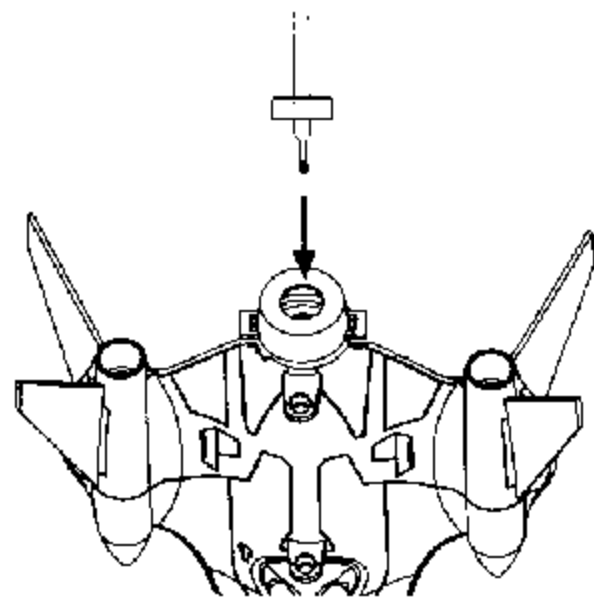
B. Twist off retainer ring on bottom of Naboo Royal Starship body.



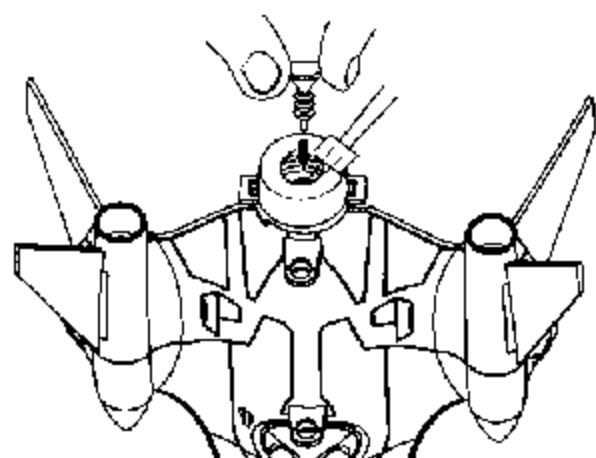
C. Slide engine into Naboo Royal Starship body as shown.



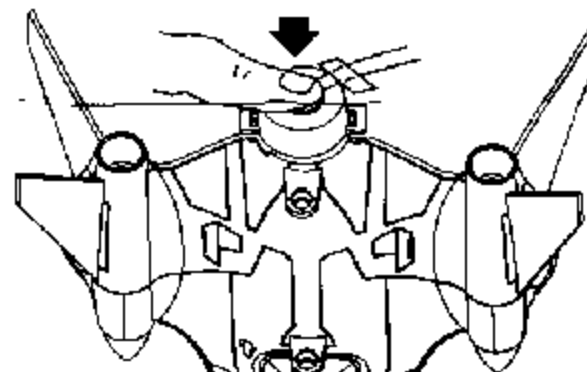
D. Twist retainer ring into locked position to hold engine in place.



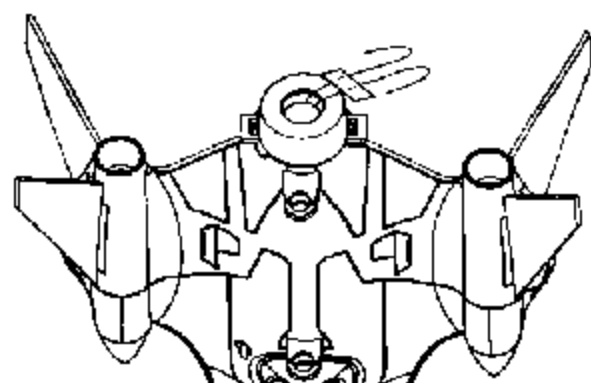
E. Hold Naboo Royal Starship upside down, drop in igniter. Igniter must touch propellant.



F. Insert igniter plug.



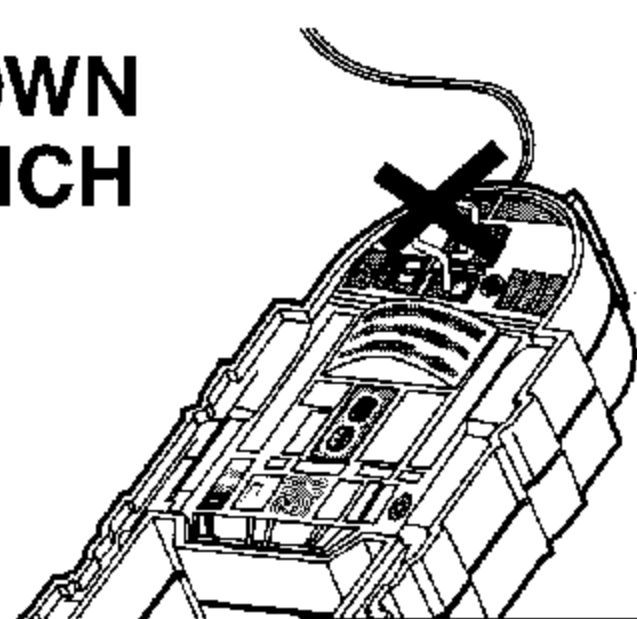
G. Firmly push igniter all the way in.



H. Bend igniter wires back as shown.

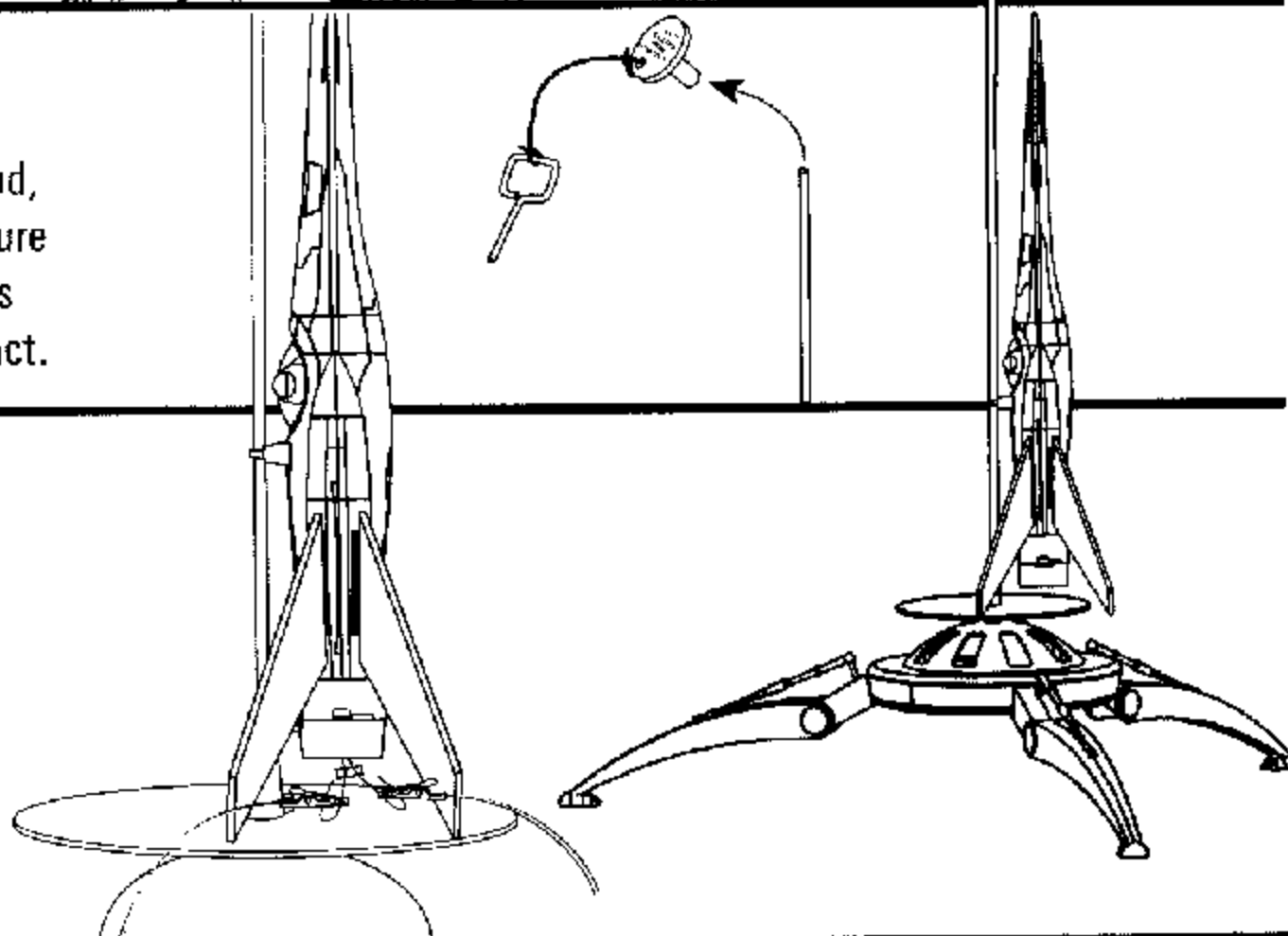
## 10... COUNTDOWN AND LAUNCH

Safety key must not be in launch controller. The safety cap should be on the launch rod.



## 9...

Remove safety cap from launch rod, slide launch lugs over rod. Make sure rocket slides freely and micro-clips are clean for good electrical contact.

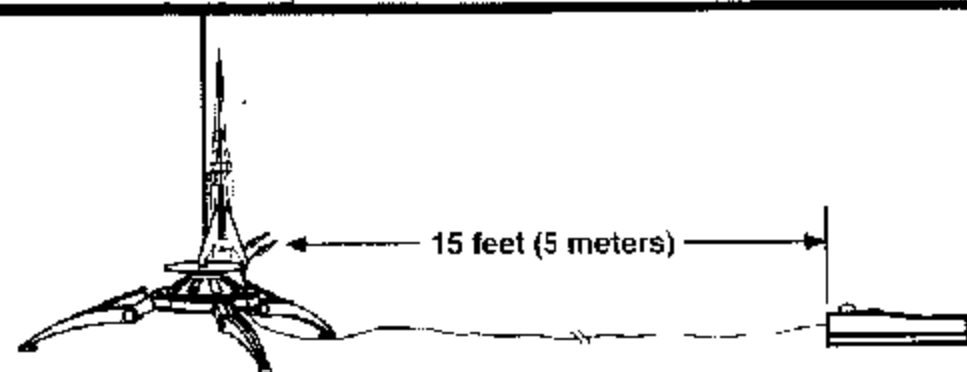


## 8...

Attach micro-clips to the igniter wires. Arrange the micro-clips so they do not touch each other or the metal blast deflector. Attach micro-clips as close to protective tape on igniter as possible.

## 7...

Move everyone back from your rocket as far as launch wire will permit at least 15 feet (5 meters).



## 6...

Insert safety key to arm the launch controller.

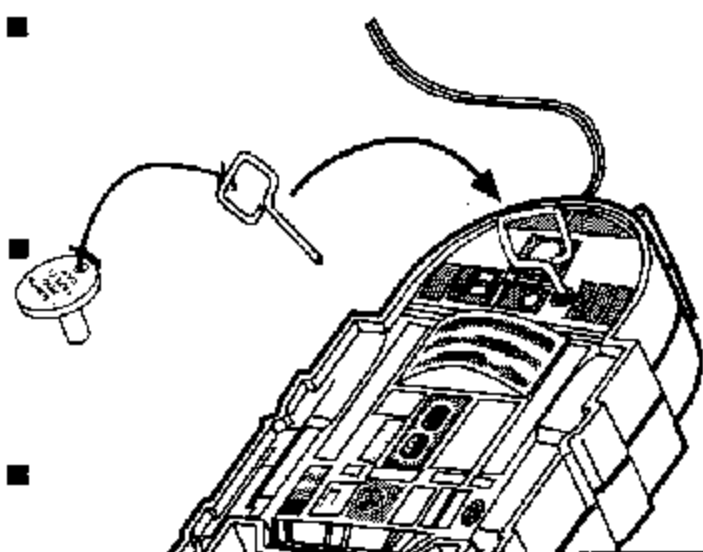
## 5...

Start audible countdown.

## 4...

## 3...

## 2...



## 1.....

### LAUNCH!

Push and hold button until engine ignites. For safety, immediately remove safety key from launch controller. Replace safety cap on launch rod.

### MISFIRES

When an ignition failure occurs, **remove the safety key** from the launch control system and **wait one minute before approaching the rocket**. Remove the expended igniter from the engine and install a new one. Be certain the coated tip is in direct contact with the engine propellant. Broken or chipped coating will not affect the performance of the igniter. Reinstall the igniter plug as illustrated previously. Repeat the countdown and launch procedure.

## LAUNCH SUPPLIES

To launch your rocket, you will need the following:

- Launch Pad (Estes Porta-Pad® II or Star Wars Mini Launch Pad)
  - Launch Controller (Electron Beam® Laser™, or R2-D2)
  - Recommended Estes Engines: 1/2A3-2T, A3-4T, or A10-3T. Use a 1/2A3-2T engine for your first flight to become familiar with your rocket's flight pattern.
  - Recovery Wadding (EST 302274)
  - Igniters and Igniter Plugs (included with Estes engines)
- Use only Estes products to launch this rocket.

### PROJECTED ALTITUDE

Engine	Feet	Meters
1/2A3-2T	102	31
A3-4T	300	91
A10-3T	304	93

## TIPS FOR FLYING YOUR ROCKET

- Choose a large field away from power lines, buildings, tall trees, and low flying aircraft. Try to find a field at least 250 feet (76 meters) square. The larger the launch area, the better your chance of recovering your rocket.
- Launch area must be free of dry weeds and brown grass.
- Launch only during calm weather with little or no wind and good visibility.
- Don't leave streamer packed more than a minute or so before launch during cold weather (colder than 40° Fahrenheit [4° Celsius]). Streamer may be dusted with talcum or baby powder to avoid sticking.
- Always follow the National Association of Rocketry (NAR) MODEL ROCKETRY SAFETY CODE while participating in any model rocketry activities. The safety code is enclosed with this kit.

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