SPEED FREAK™ ELECTRONIC SPEEDOMETER CAPSULE

NOTE: DO NOT ALTER LENGTH OF STREAMER

FOAM NOSE CONE
TRIGGER SWITCH
STREAMER
LCD DISPLAY
ON/OFF RESET SWITCH

SPEED FREAK™
Speedometer capsule can operate with the following Estes Rockets: #1811 Tidal Wave, #1825 Patriot, #1827 NSA Starship, #1824 Code Red, or any rocket having an Estes BT-56 body tube.

SUPPLIES REQUIRED
(Not Included)

SMALL PHILLIPS SCREWDRIVER
MASKING TAPE

1. INSTALL BATTERY

1. SWITCH “OFF”.
2. REMOVE NOSE CONE.
3. REMOVE 2 SCREWS AND OPEN CAPSULE.
4. INSERT BATTERY, SLIDE CLIP OVER CENTER OF BATTERY, TIGHTEN SCREW.
5. CLOSE CAPSULE, REPLACE SCREWS AND NOSE CONE.

BATTERY CAUTION:
- Install batteries in the correct polarity.
- Use only batteries of the same or equivalent type recommended.
- Do not use rechargeable batteries in capsule.
- Remove old or dead batteries from capsule.

NOTE “+” POLARITY

2. ATTACH THE PARACHUTE

3. PREPARE PARACHUTE FOR FLIGHT

Note: Don’t leave parachute packed more than a minute when colder than 40°F (4°C). Dust parachute with talcum or baby powder to avoid sticking.
PREPARE ENGINE

1. Switch "ON".
2. Masking tape 8 in. (20.3 cm)
3. Insert key, push down firmly and hold.
4. Hold key down and press button until LIFTOFF!
5. The capsule will display speed in miles/hour (MPH) & kilometers/hour (KPH) (alternates every 2 seconds).
6. Reset capsule for next flight by switching OFF then "ON" after recording flight data.

PRECAUTIONS

LAUNCHING 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. Football fields and playgrounds are great. Launch only with 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. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.

WARNING: FLAMMABLE
To avoid serious injury, read instructions & 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.