**PREPARE ENGINE**

1. **ENGINE**

2. Use one each of:
   - Starter

3. **PLUG**

4. **TOP NOZZLE**

5. **PROPULSANT**

**WARNING: FLAMMABLE.** To avoid unnecessary, real instructions & EVA Safe Code indicated with engine, PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE OF YOUR PREPARED ENGINE, REMOVE THE STARTER BEFORE FILLING YOUR ENGINE.

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**LAUNCH PROCEDURE**

1. **NOTE**

   - Do not attempt to start an Estes rocket while it is being assembled. This can result in damage to the rocket.

2. **MARKING TAPE**

3. **4.9.9 (15 ml)**

4. **NOTE**

   - If using a motor, make sure the motor is not damaged before launching.

5. **4.3...2...1...**

   - Ignition is now initiated.

6. **REMEMBER**

   - Line-up chute, pree best line and be sure to use the parachute.

7. **KEY**

   - While holding key down firmly, press launch button until LIFTOFF!

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**PRECAUTIONS**

- **WAR SAFETY CODE**

- **NO DRY GRASS OR WEEDS**

**PRE-LAUNCH CHECK FOR SAFETY:** Never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug. Repair any damage before launching the rocket.

**ESTIMATED WEIGHT:** 3.5 oz. (99.9 g)

**MODEL ROCKET INSTRUCTIONS**

**KEEP FOR FUTURE REFERENCE**

**IMPORTANT:** Please record date found on decal and keep for future reference.

**Read all instructions. Make sure you have all parts and supplies. Test fit all parts before applying glue. Product color and shape may vary.**

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**COLONIZER™**

**EstesRockets.com**

**09001-03222** Self-click model

**09170** Body tube

**09198** Launcher M0

**09362** Shock cord

**07301/01601 Engine mount & can unit**

**073614** Engine retention cap

**033629** Clear reinforcement sticker

**03405** Nose cone

**5322**
ASSEMBLE ENGINE MOUNT FIN CAN UNIT

1. Apply plastic cement, X3
2. Press firmly together, Let dry
3. Apply plastic cement and insert fin
4. Let dry
5. Screw engine fin/fin cap onto fin can unit

ATTACH BODY TUBE

1. Apply plastic cement to inside of body tube, Insert fin can unit, Let dry
2. Apply clear reinforcement sticker

APPLY DECALS

ATTACH PARACHUTE AND SHOCK CORD

1. 2.
3.
4.
5. Double knot

PREPARE FLIGHT RECOVERY

1. Push recovery winging at bottom of body tube
2. 3.
4.
5. Wrap lines loosely and insert parachute into body tube
6. Insert nose cone into body tube

NOTE: Recovery winging and parachute must ride evenly into body tube.