MINI ALPHA™

2098/2458/5333

EstesRockets.com



AGES 10+

Skill Level

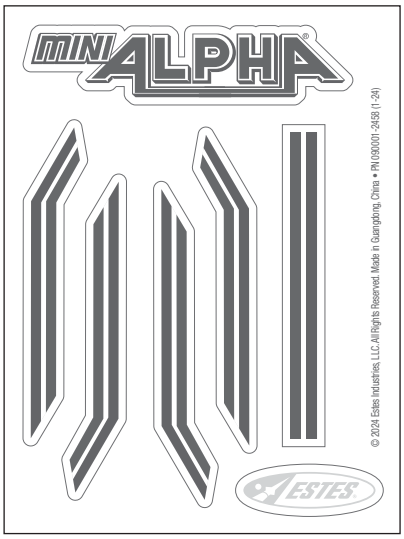
BEGINNER

MODEL ROCKET INSTRUCTIONS

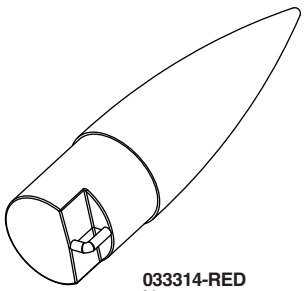
KEEP FOR FUTURE REFERENCE

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

Read all instructions. *Make sure you have all parts and supplies.*



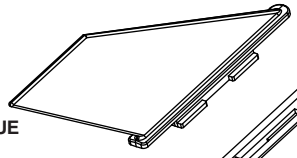
090001-2458
Self-stick decal



033314-RED
Nose cone

085896
Body tube

073220-WHITE
Engine mount
fin can unit
(1 fin slot)

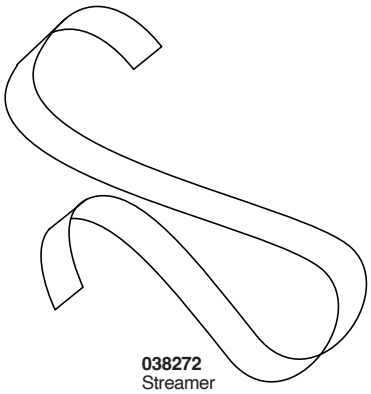


072030-BLUE
Mini fin blue

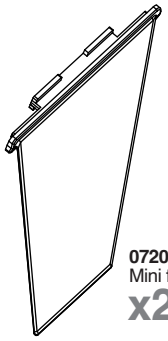


073224
Shock cord
mount

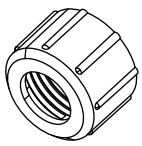
073221-WHITE
Engine mount
fin can unit
(2 fin slots)



038272
Streamer



072030-WHITE
Mini fin white
x2



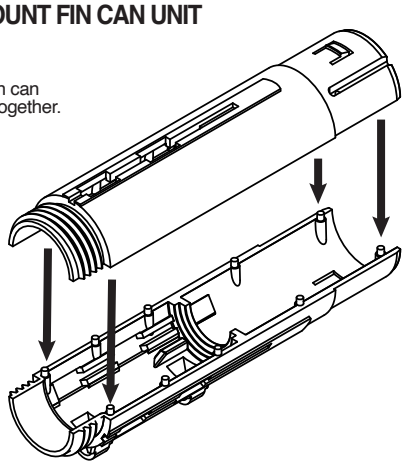
073223-WHITE
Engine retainer
cap



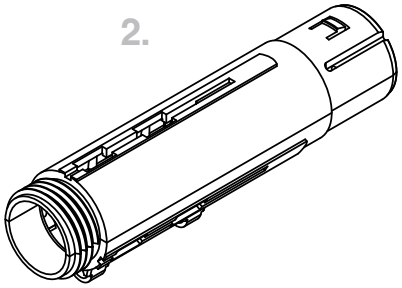
038366
Shock cord

ASSEMBLE ENGINE MOUNT FIN CAN UNIT

1. Press fin can halves together.



2.

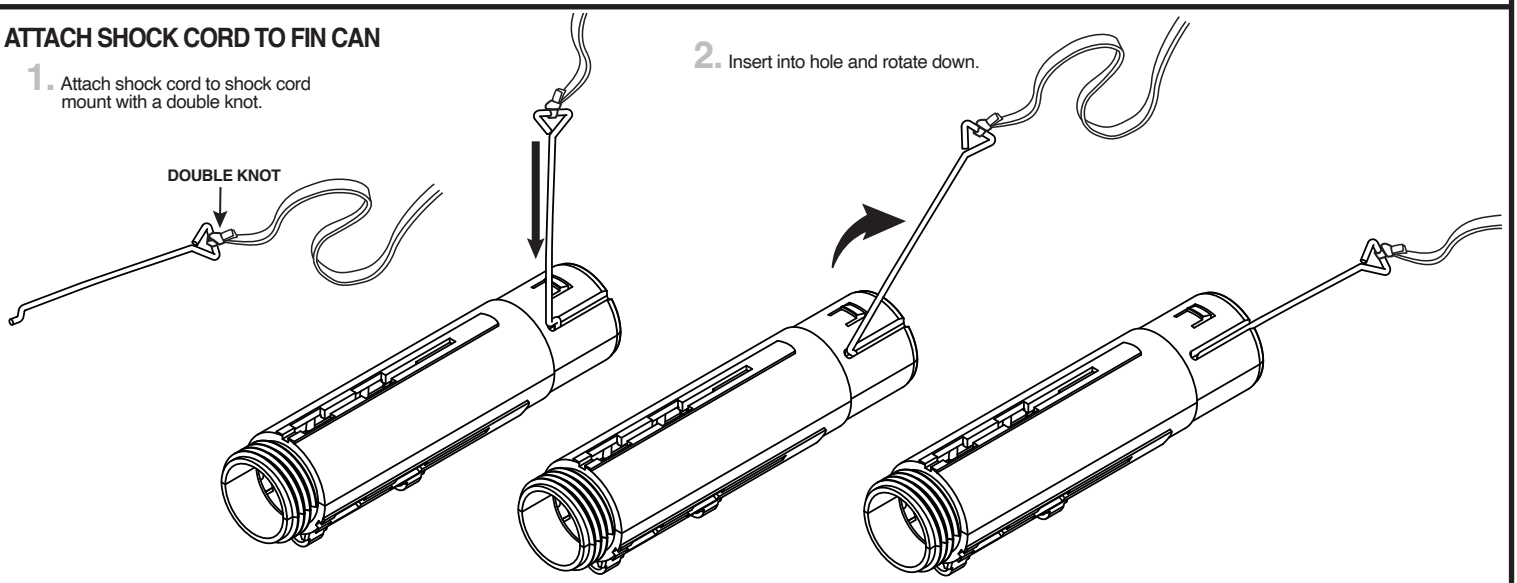


ATTACH SHOCK CORD TO FIN CAN

1. Attach shock cord to shock cord mount with a double knot.

DOUBLE KNOT

2. Insert into hole and rotate down.



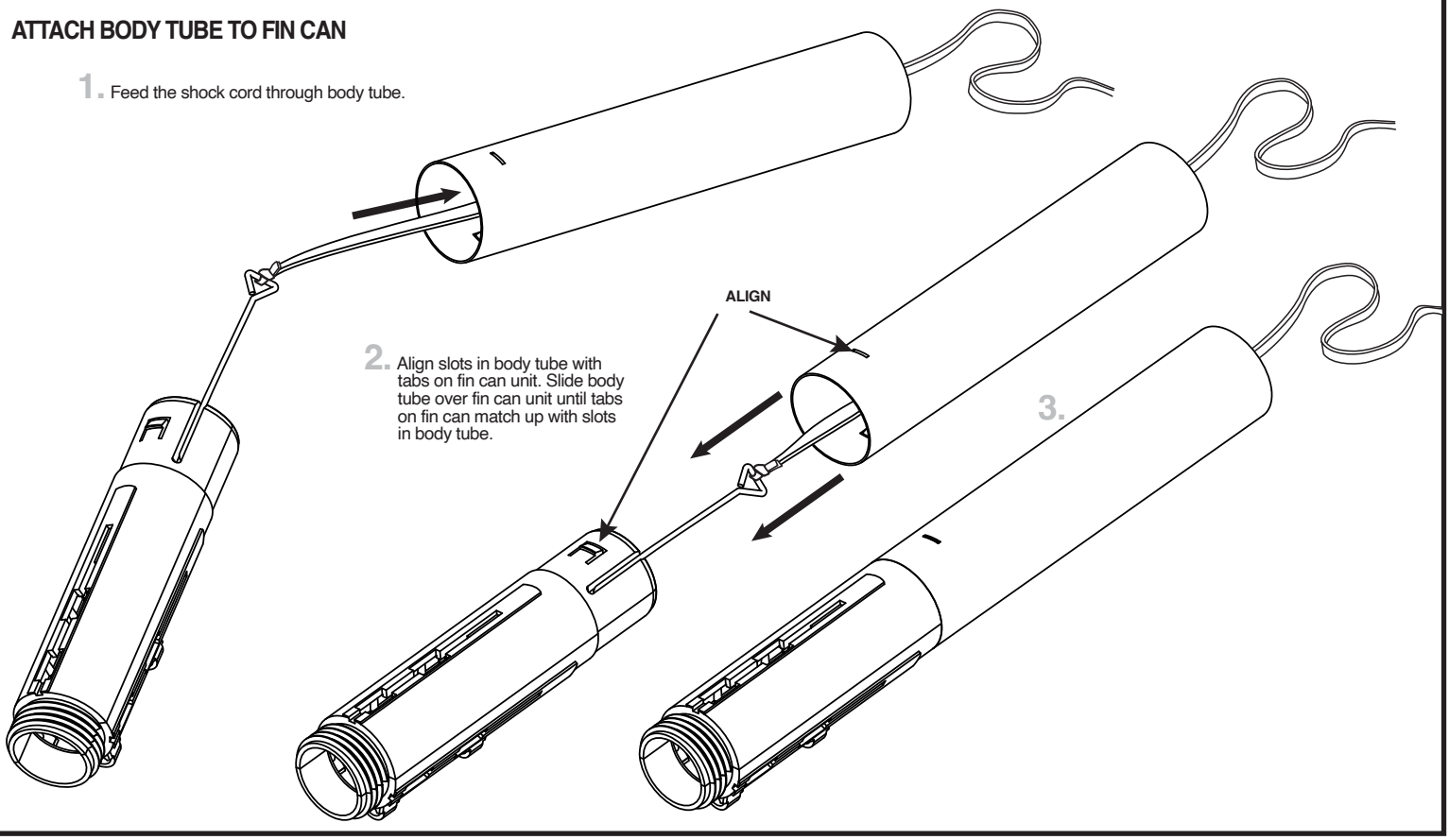
ATTACH BODY TUBE TO FIN CAN

1. Feed the shock cord through body tube.

ALIGN

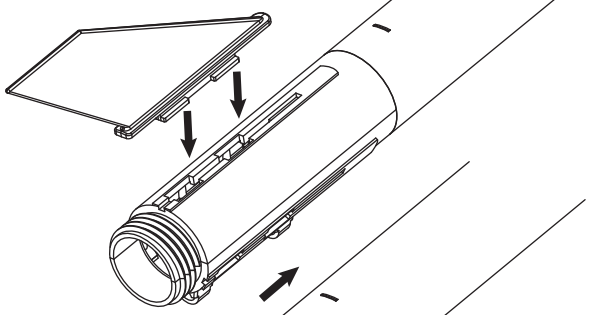
2. Align slots in body tube with tabs on fin can unit. Slide body tube over fin can unit until tabs on fin can match up with slots in body tube.

3.

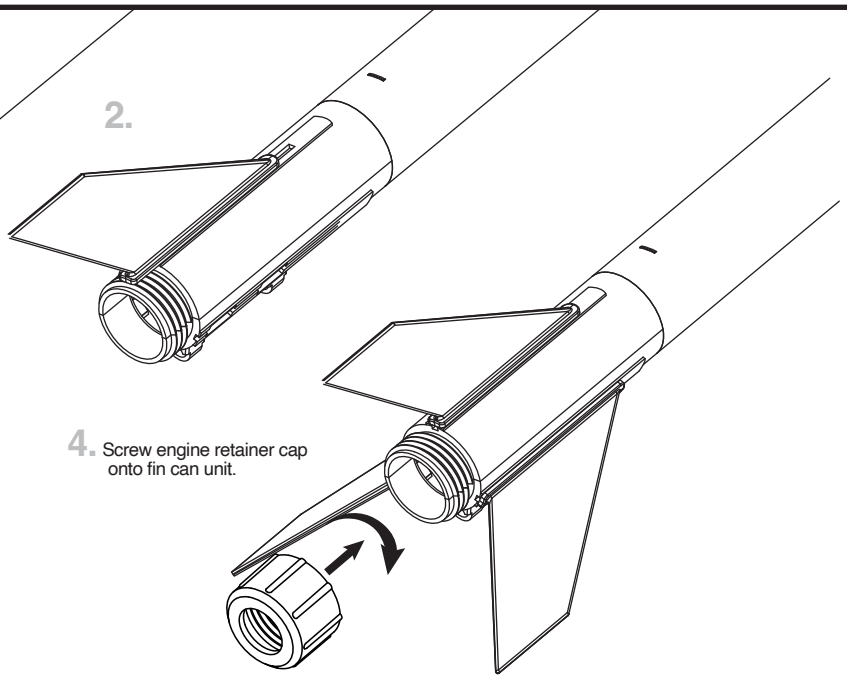


ATTACH FINS

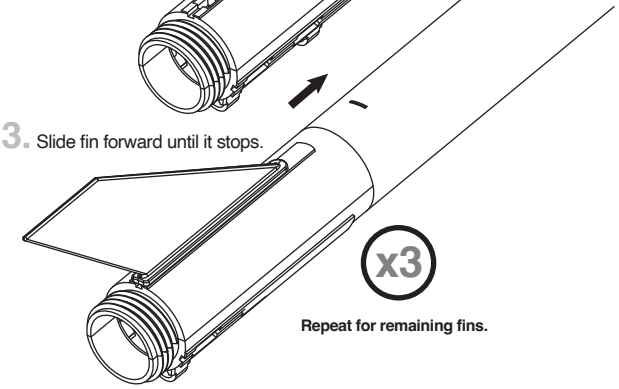
1. Insert fin into slot.



2.



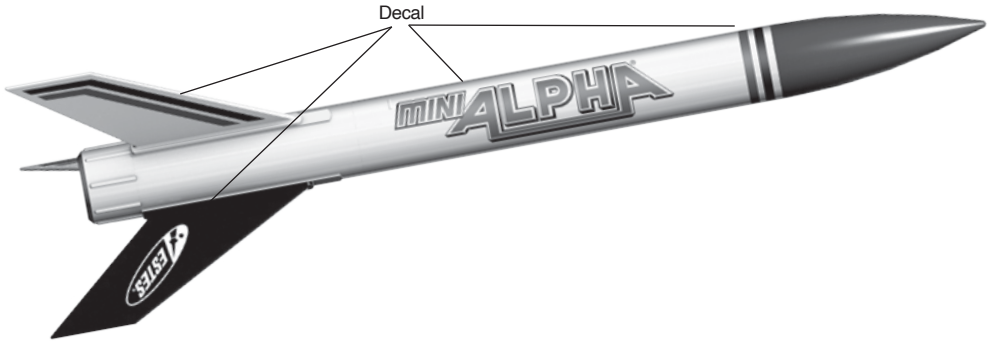
3. Slide fin forward until it stops.



Repeat for remaining fins.

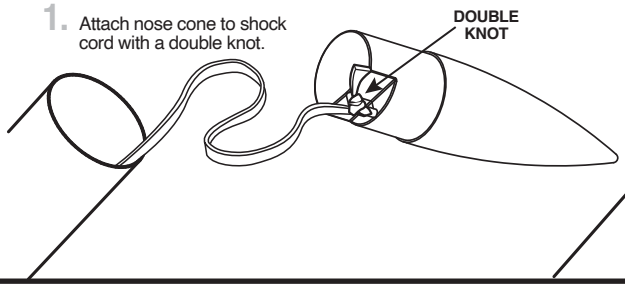
4. Screw engine retainer cap onto fin can unit.

APPLY DECAL

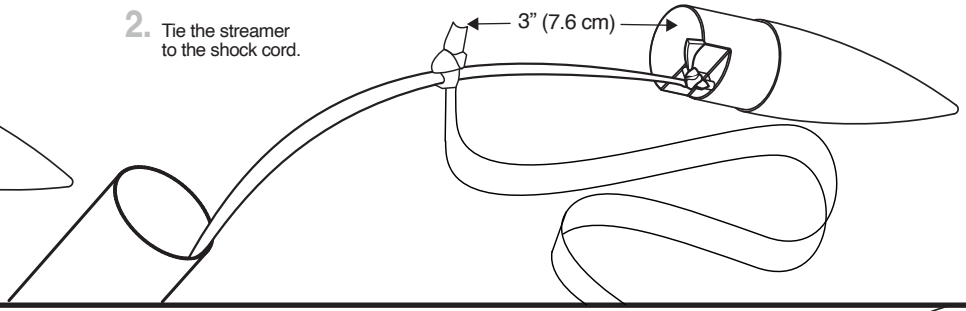


ATTACH THE NOSE CONE AND STREAMER

1. Attach nose cone to shock cord with a double knot.

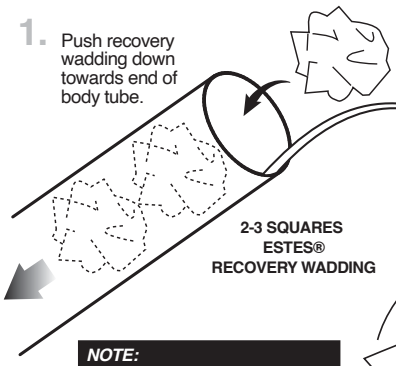


2. Tie the streamer to the shock cord.



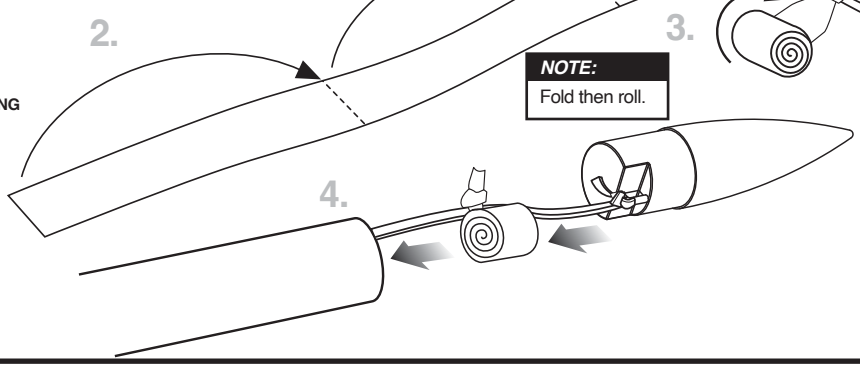
PREPARE FLIGHT RECOVERY

1. Push recovery wadding down towards end of body tube.



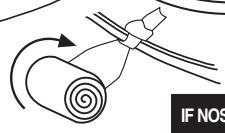
NOTE:
Recovery wadding and streamer must slide easily into body tube. If too tight, redo.

2.



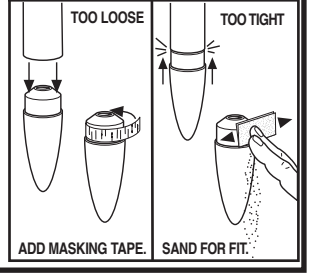
NOTE:
Fold then roll.

3.

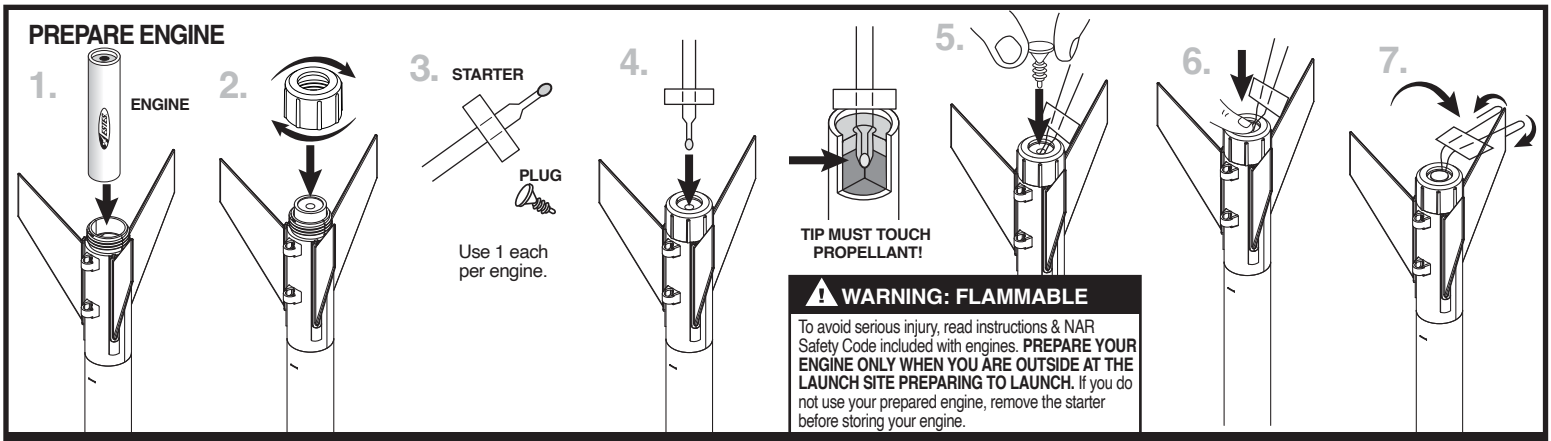


4.

IF NOSE CONE FIT IS…



PREPARE ENGINE



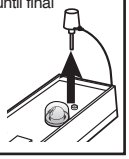
⚠ WARNING: FLAMMABLE

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 starter before storing your engine.

COUNTDOWN AND LAUNCH

NOTE:

Key always out until final countdown!



NOTE:

Estimated weight: 0.61 oz. (17.3 g)

ESTES® LAUNCH SUPPLIES NEEDED

(Sold Separately)

- Launch Pad
- Launch Controller
- Recovery Wadding
- Starters (with engines)
- Plugs (with engines)
- Estes® Engines: 1/2A3-2T, A3-4T, A10-3T

PRECAUTIONS



NAR 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(s). Repair any damage before launching the rocket.

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. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed).

MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET. Disconnect the micro-clips and remove the engine. Take the plug and starter out of the engine. A burned starter means the starter tip was not touching engine propellant. Install a new starter; be sure the tip is touching propellant inside the engine. Push the plug in place. Repeat steps under Countdown and Launch.

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