

D-Region Tomahawk



INTERMEDIATE

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. Refer to your glue manufacturer's dry times during build.

SUPPLIES





























CEMENT

SANDPAPER

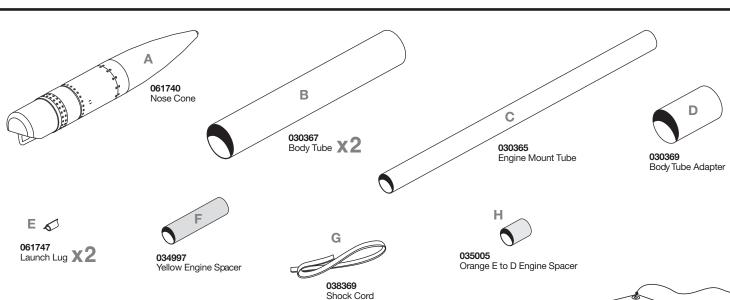
TAPE

PAINT

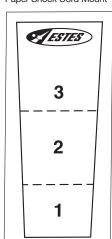
PAINT

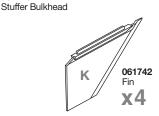
PAINT

GOLD PAINT



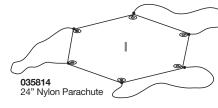
















061745 Fin Body Bulkhead

090001-2037

061746



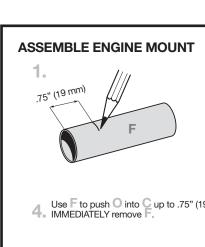


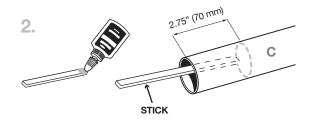
061744 Scale Fin Launch Lug

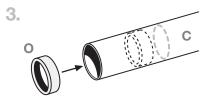


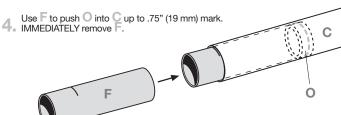


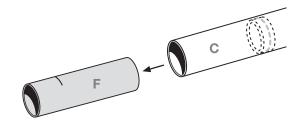
Nose Cone Tip

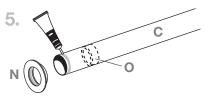




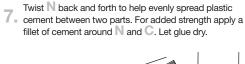






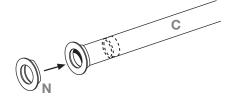


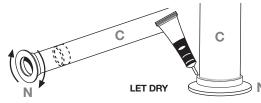
Push N all the way onto end of C and over plastic cement.





For safe handling of plastic cement, see manufacturer's warnings and follow instructions for use.

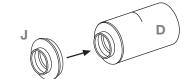




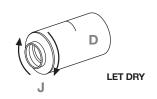
ASSEMBLE STUFFER BULKHEAD

1.5" (3.8 cm)

Apply a ring of tube-type plastic cement around inside of one end of D. Insert J into end of D.

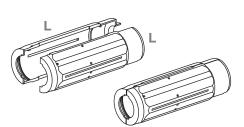


Twist J back and forth to help evenly spread cement between two parts. Let dry.



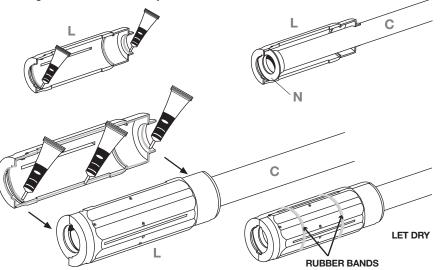
ASSEMBLE FIN BODY

Test-fit Ls together. There should be no gaps along assembly joint.

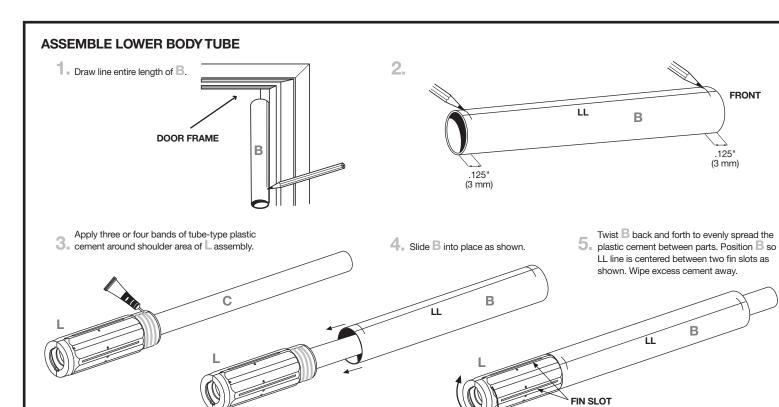


4. Apply plastic cement around the outside edge and into groove and forward area of other L. Align and join Ls together. Secure with tape or rubber bands until glue dries.

Select one L to begin assembly. Apply plastic cement in groove where N is to fit. Apply a line of plastic cement along forward area where C will lay as shown.

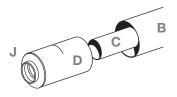


Lay C into L so that edge of N fits into groove, and C contacts forward section.

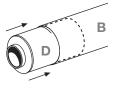


Flip the B Assembly around. For steps 6-10, the use of two different types of glue are required at the same time. Follow directions carefully.

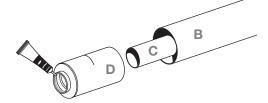
6. Test fit D assembly to B assembly.



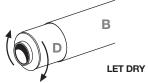
Slide D assembly into B and down 9 over end of C.



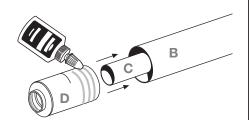
Apply plastic cement around inside end of D assembly as shown.



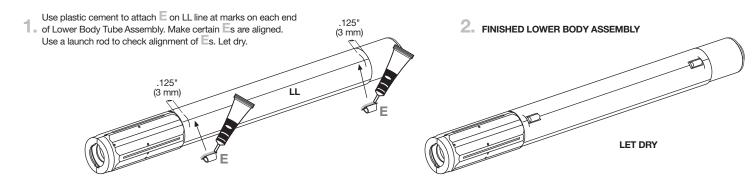
Twist back and forth to evenly spread both carpenter's glue and plastic cement. Wipe any excess glue away and let dry.



Quickly apply rings of carpenter's glue around outside of D assembly up to mark as shown.



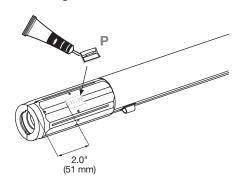
ATTACH LAUNCH LUG

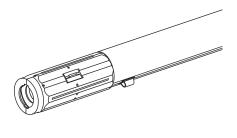


ADD SCALE LAUNCH LUG DETAIL

1. Use tube-type plastic cement to glue P onto assembled fin mount unit. Do not align with other launch lugs.



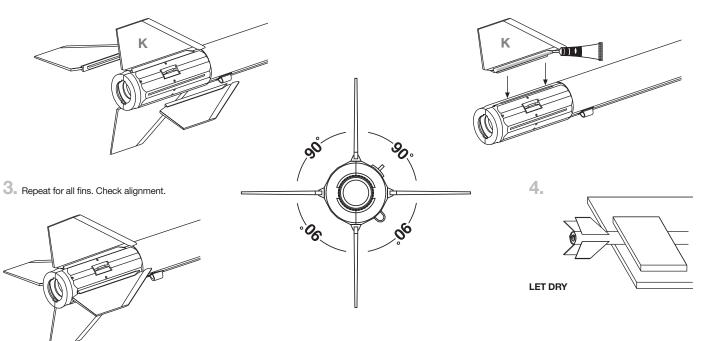


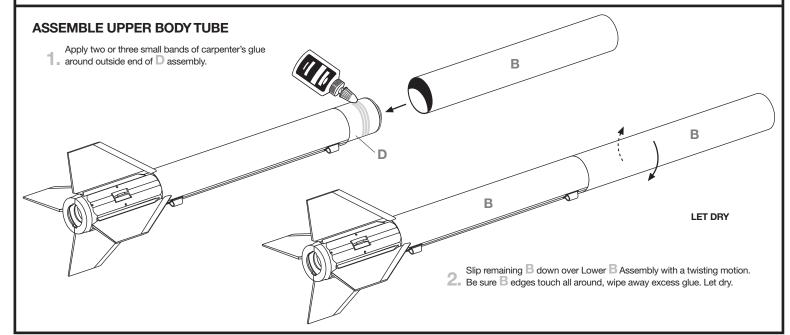


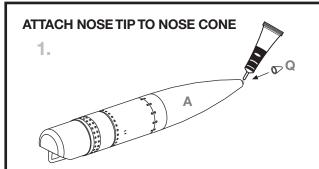
ATTACH FINS

Test fit all Ks in assembled L. Each K can be located at any of molded slots in L. If required, trim any excess plastic to ensure fins seat properly in slots.

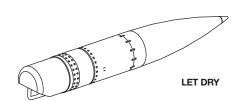
One $\mathbb K$ at a time, apply a bead of tube-type plastic cement along both sides of $\mathbb K$ root edge where it meets $\mathbb L$'s surface. Insert $\mathbb K$ into place.





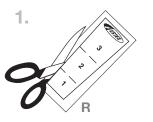


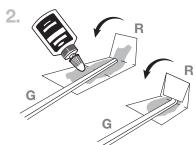
2. Make certain Q is centered and straight. Let dry.



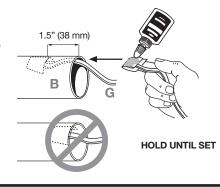


INSTALL SHOCK CORD

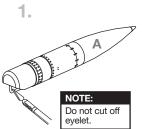




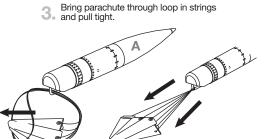




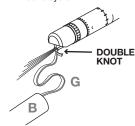
PREPARE RECOVERY SYSTEM



2 Thread parachute strings through nose cone eyelet.

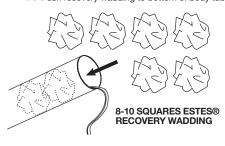


Tie shock cord to nose cone eyelet.



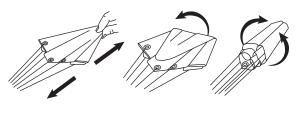
PREPARE FLIGHT RECOVERY

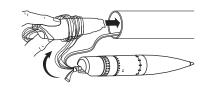
1. Push recovery wadding to bottom of body tube.



Fold parachute as shown. Wrap parachute lines loosely and insert into body tube.

Recovery wadding and parachute must slide easily into body tube; redo if too tight.





ROCKET FINISHING

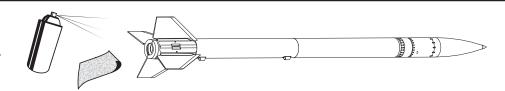
Spray rocket with white primer, let dry & sand. Repeat until rocket is smooth, then paint. Apply decals after paint is dry.

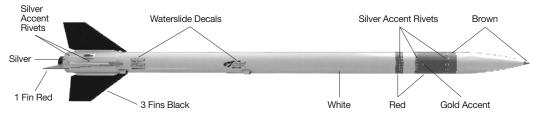
- 1. Cut decals from sheet, trimming close to edge.
- 2. One at a time, place in warm water until decal curls and begins to relax.
- 3. Remove and position on rocket, sliding decal away from backing material.
- 4. Blot with clean paper towel. Let set overnight.
- 5. Optional: apply protective clear coat.

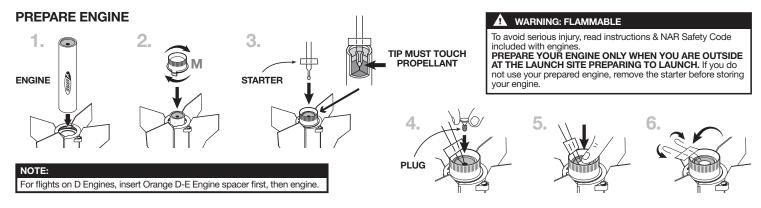
Please refer to packaging image for suggested paint scheme and/or decal placement.

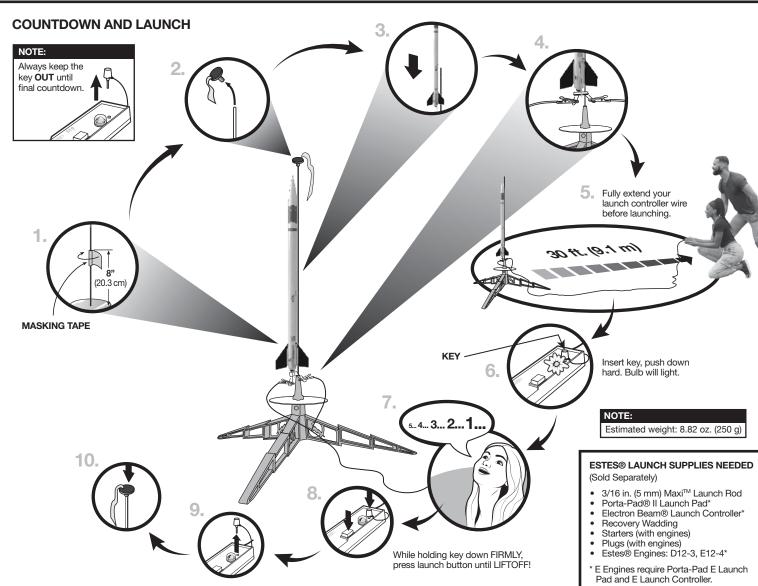
riangle CAUTION

See manufacturer's warnings and instructions before using spray finishing products.









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 (1000 ft. [305 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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