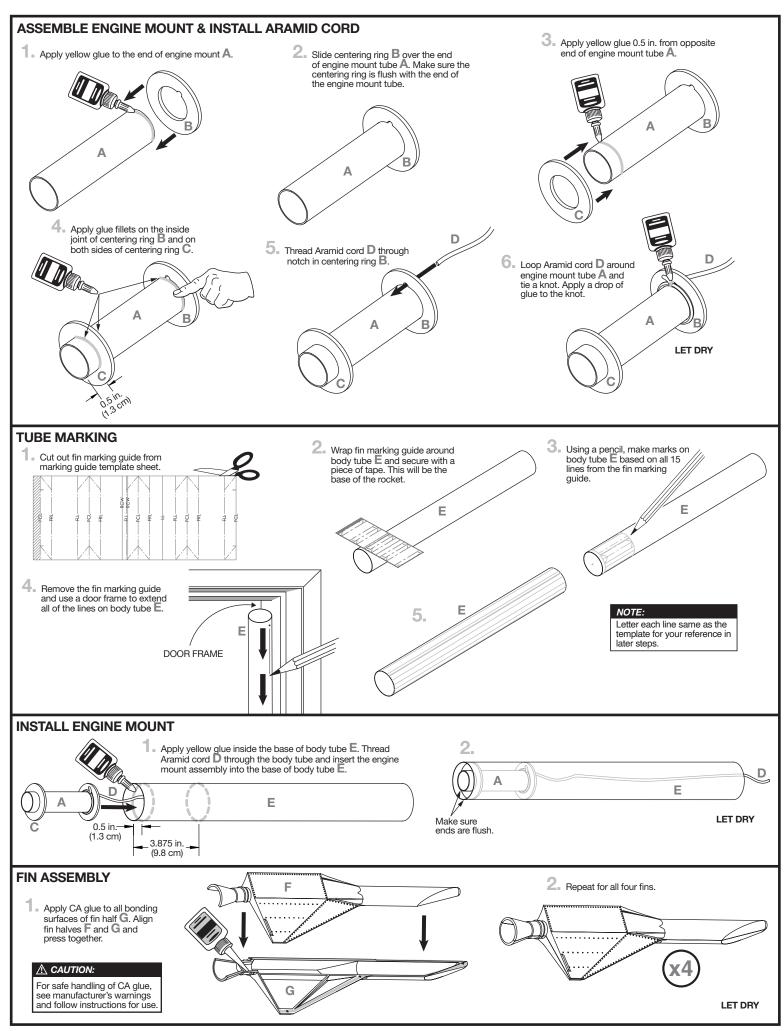
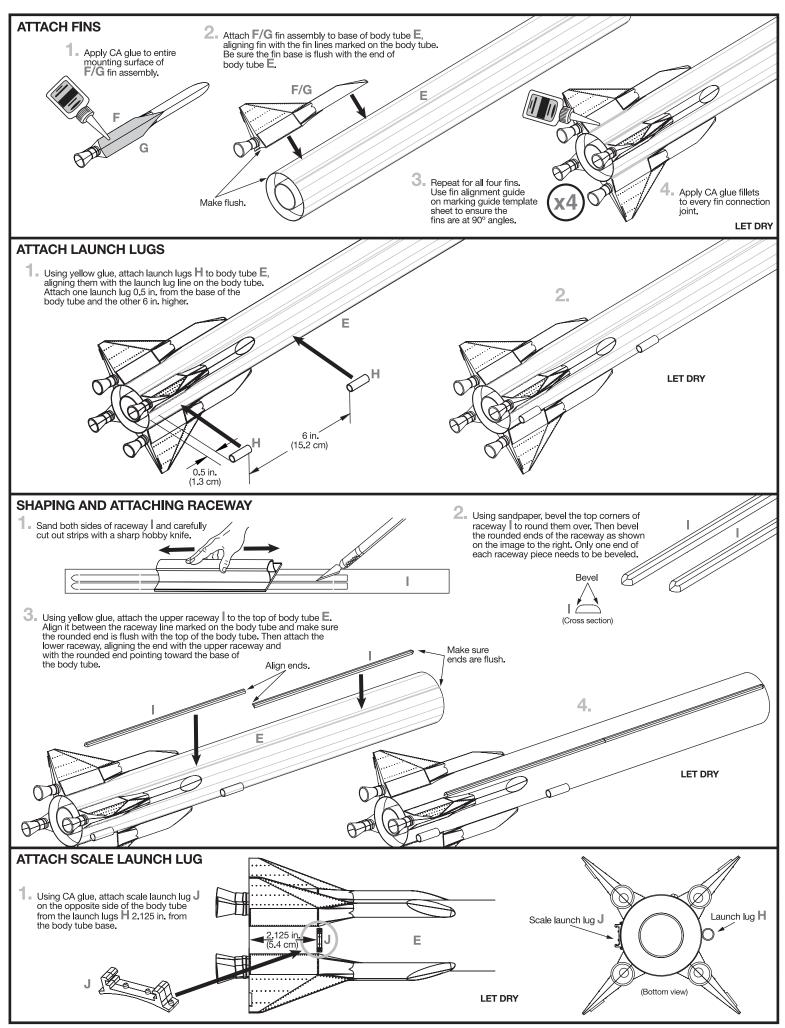
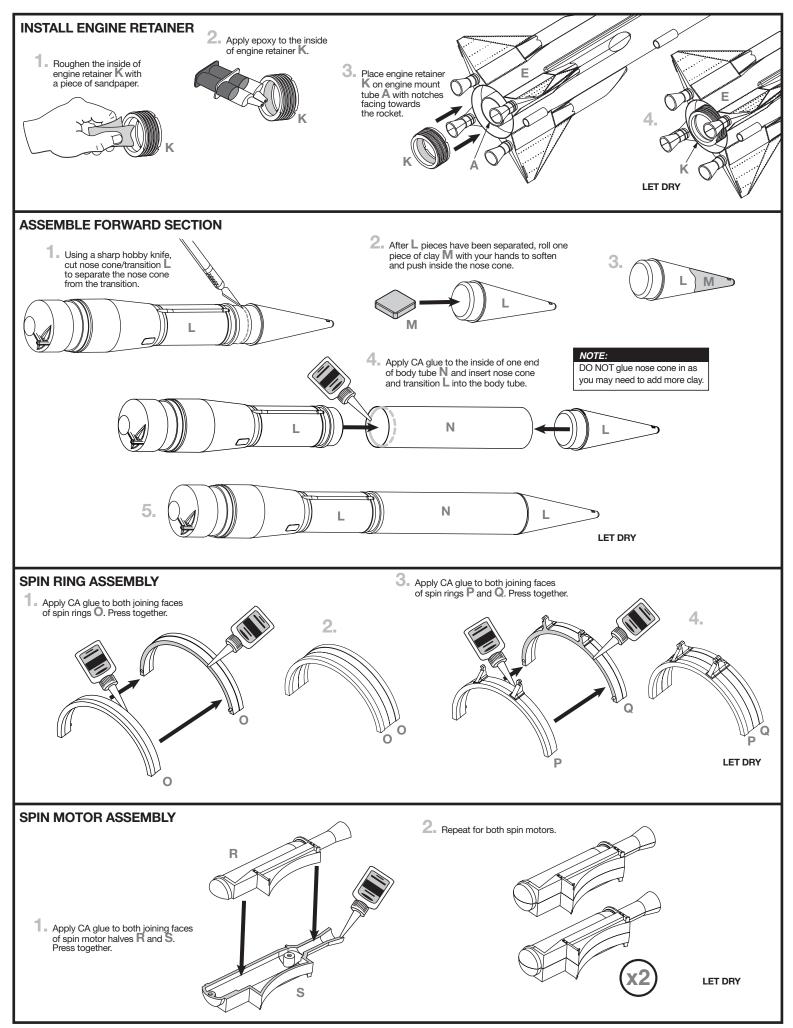


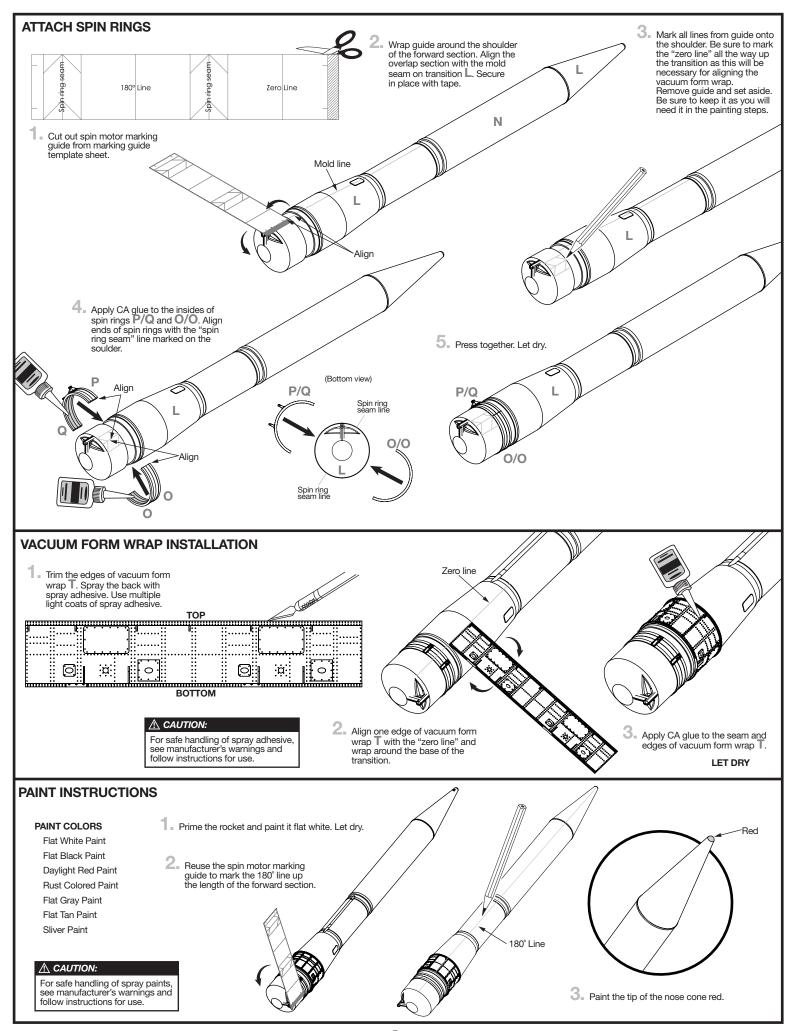
038374 Elastic shock cord

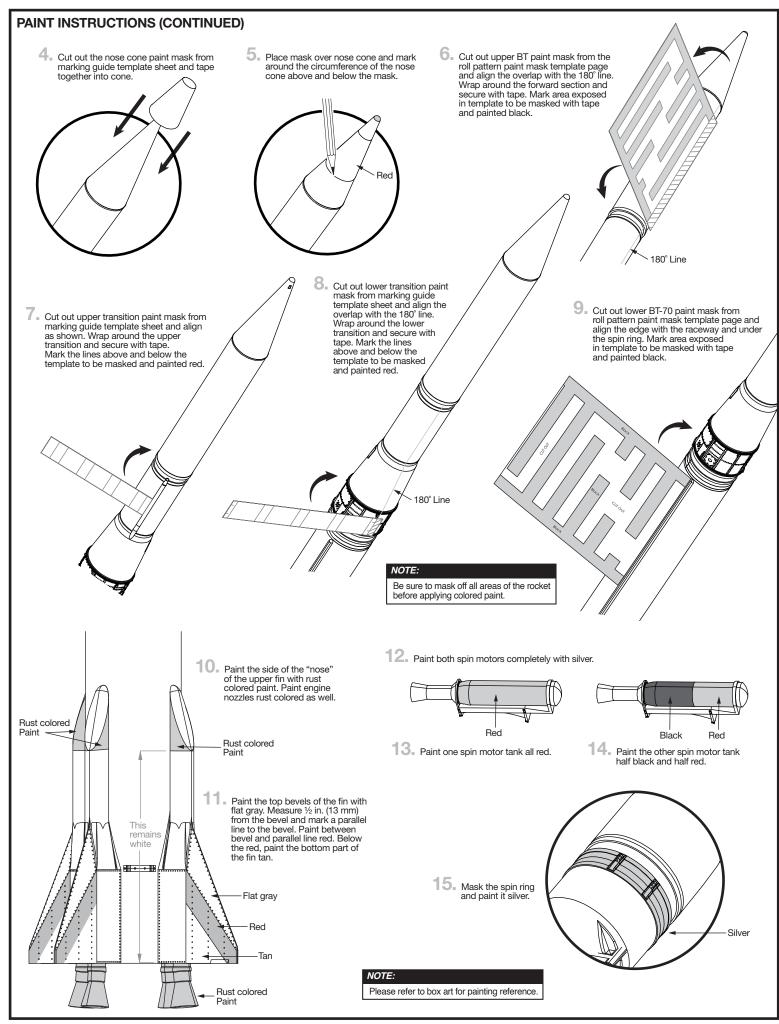
> 038181 Launch Lug X2

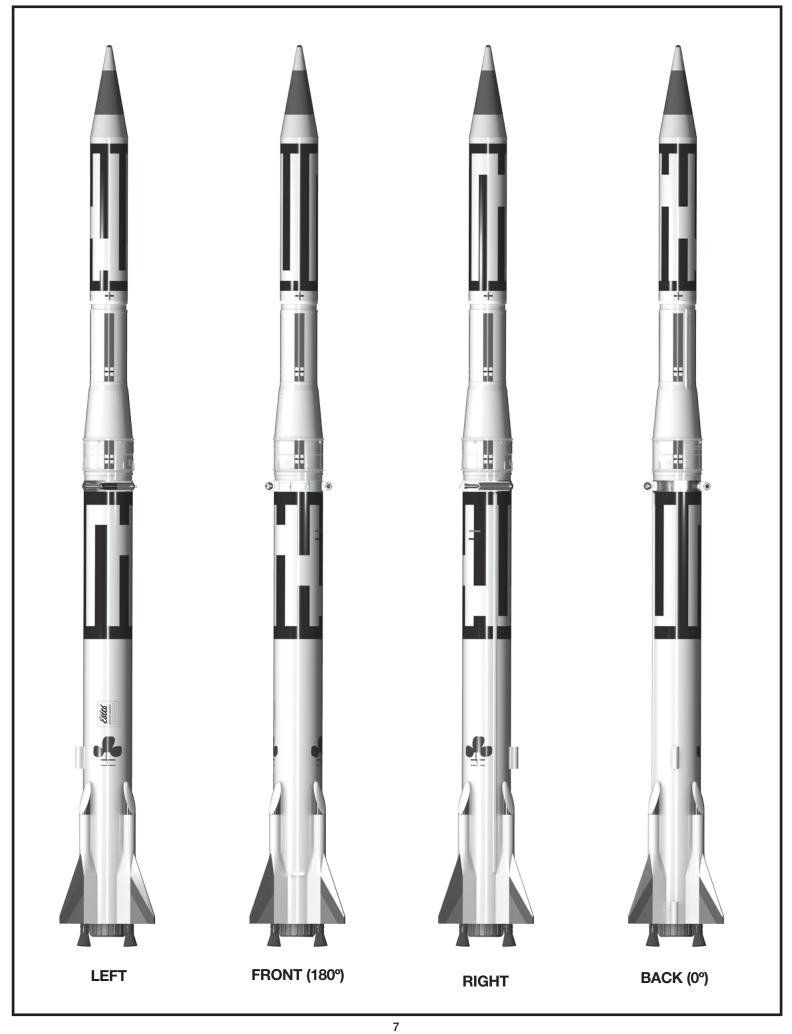


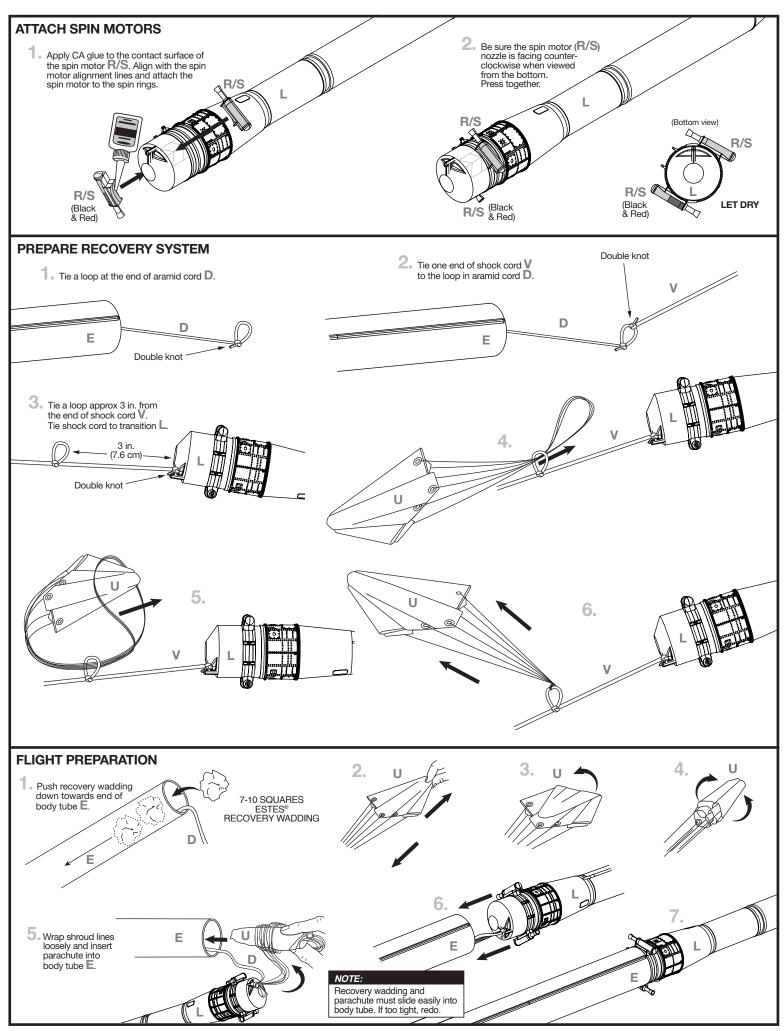


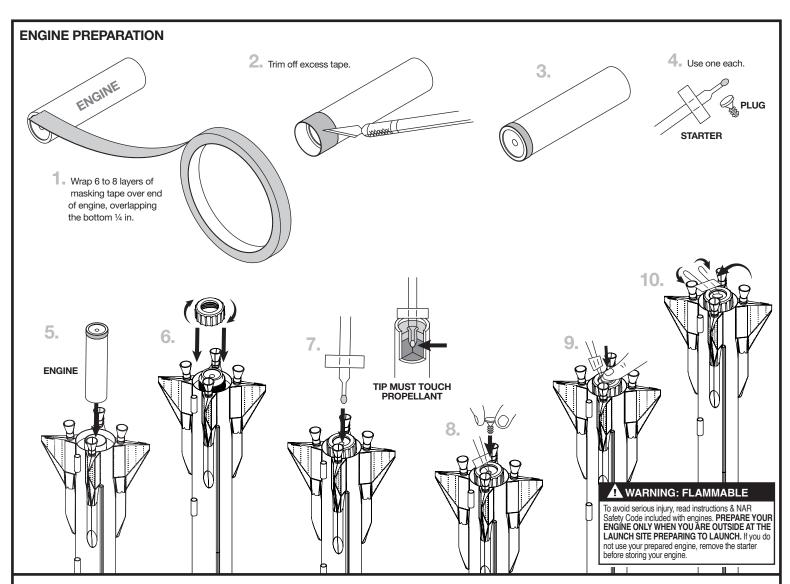






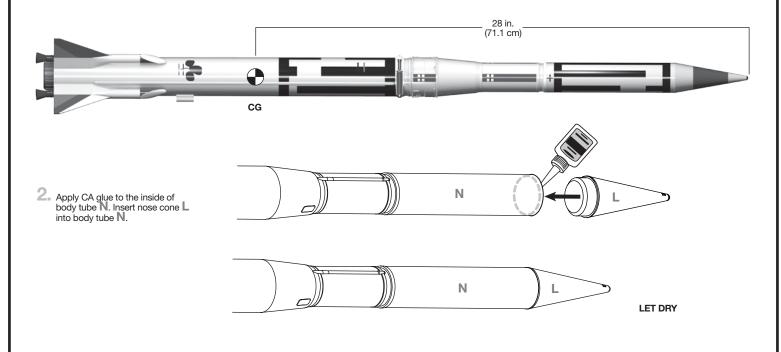






#### **CHECK CENTER OF GRAVITY**

\*\*After the engine is installed, ensure that the center of gravity is 28 in. (71.1 cm) from the front of the rocket. The center of gravity can be further forward of this point, but cannot be futher back from this point. If the center of gravity is further back than 28 in., add more clay to the nose cone to add weight and bring the center of gravity forward.



### **COUNTDOWN AND LAUNCH** NOTE: Key always out until Fully extend your launch controller wire before launching. 5 in. (12.7 cm) Insert key. 6<sub>■</sub> Bulb will light. **KEY MASKING TAPE** .. 3... **2...** 1 NOTE: Firmly press and HOLD Estimated weight: 10.7 oz. (303.3 g) the yellow button and begin countdown. **ESTES® LAUNCH SUPPLIES NEEDED** (Sold Separately) Pro Series II<sup>™</sup> Launch Base • Pro Series II™ Launch Controller While holding yellow button down FIRMLY, Recovery Wadding · Starters (with engines) press launch red button until LIFTOFF! • Plugs (with engines) • Recommended Estes® Engines: D12-3, E12-4, E16-4, F15-4

### **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.

22 PAP

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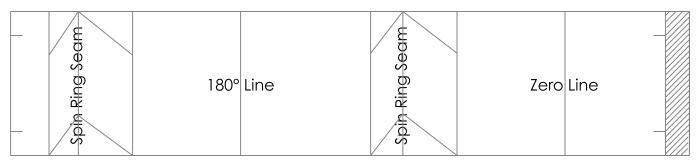
## Paint Masks / Marking Guides



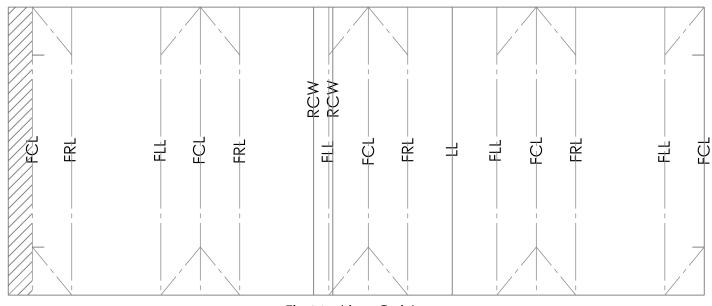
Upper transition paint mask

_ Red	Red	Red	Red	Red

Lower transition paint mask



Spin Motor Marking Guide



Fin Marking Guide

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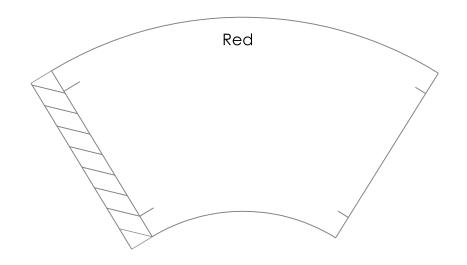
**FLL** - Fin Left Line

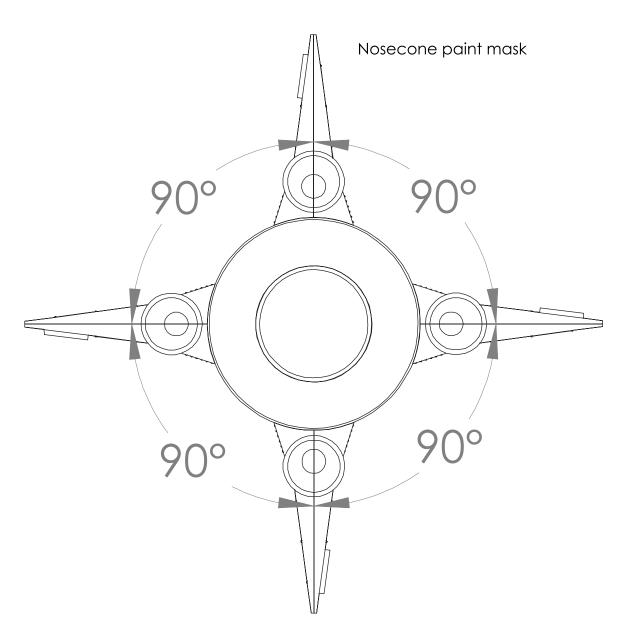
FCL - Fin Center Line

FRL - Fin Right Line

**RCW** - Raceway

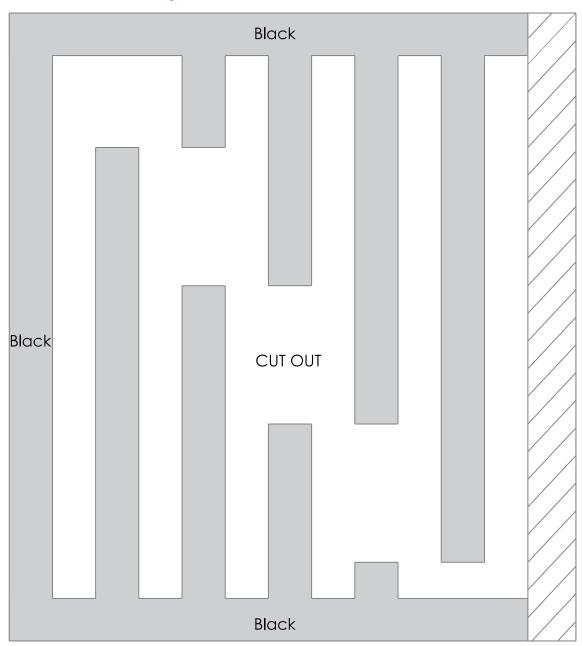
**LL** - Launch Lug



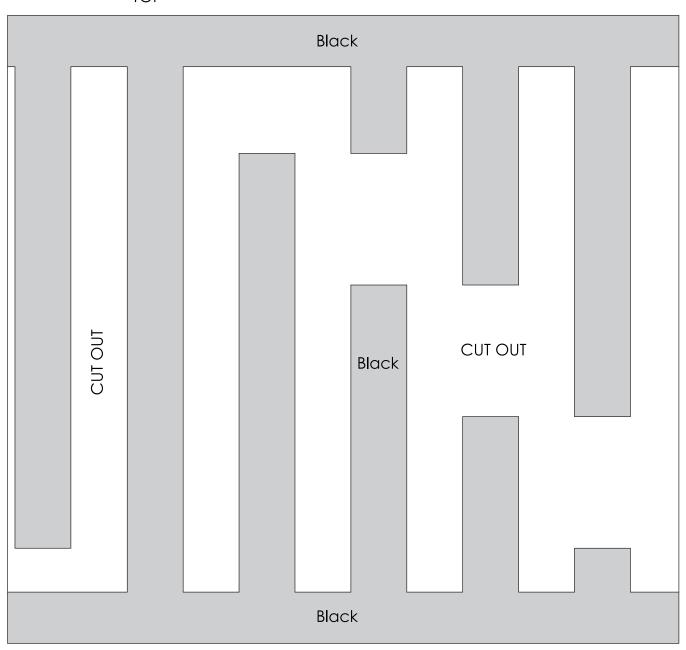


# Athena H roll pattern paint masks

TOP



upper BT-Athena paint mask



lower BT-70 paint mask