Dexter Labs WhipperSnapper Rocket Kit Features

- **Specifically designed for any Rene Caldera-style micro-hybrid motor**
- **Altimeter deployment – ideal for use with the Altus Metrum Easy Mini, Stratologger CF or Eggtimer Quark altimeter and thin-mil parachute (15-18"). This kit is not intended for use with motor deployment!**
- **Robust components to handle the heavier micro-hybrid motor**
- **High fineness ratio airframe – helps keep the CG forward with the heavier motor**
- **Extended stump tail**
    - **Provides for an alternative motor retention method**
    - **Provides impact protection to the fin can**
    - **Serves as an igniter lead anchor mandrel**
- **Near- minimal diameter for low drag**
- **Low launch weight to showcase the micro-hybrid capabilities**
- **Molded quad-fin can, far more durable than glued-on balsa**
- **Molded nose cone**
- **Unique wire motor retention**
- **Kevlar and elastic shock cord**
- **Rocket diameter = 0.98" (25 mm)**
- **Rocket length = 27.25" (69.2 cm)**
- **Rocket weight = 2.1 oz (60 g) to 2.5 oz (70 g) depending on finish**
- **Rocket CP = 23.6" (60 cm)**
- **Coefficient of drag = 0.5 (estimated)**
- **Approximate launch weight = 5.7 oz (162 g) to 6.1 oz (172 g)**
- **Approximate launch CG = 19.0" (48.3 cm)**
- **Design motor = 7/8" diameter Dexter Labs lightweight micro-hybrid using bag-paper fuel w/ 8 gm N_2O whip cream charger oxidizer, D class**
- **Inexpensive to fly, about $1 to $2 per flight**
- **Typical peak altitude = 500-1,000' (152-305 m)**
- **Skill level 3 (some tube cutting required but otherwise easily assembled)**

A completed Dexter Labs WhipperSnapper kit shown with a standard cased micro-hybrid motor