



TERRIER BOOSTER

FOR 2" PERFORMANCE SERIES KITS

38MM

DIAMETER 3.0"

HEIGHT 27"

WEIGHT 24oz

Featuring:

- 3" Pre-Slotted Airframe
- 3" to 2" Airframe Reducer
- 28" Rip-Stop Nylon Parachute
- 12' Nylon Shock Cord
- 38mm MMT
- Rail Guides
- Hardware



Sim!

This rocket is recommended for high power rocket motors H through I impulse. Depending on your flying field and finished weight, this is a very versatile kit. Always check stability to ensure stable flight; the Center of Gravity (CG) must be forward of the Center of Pressure (CP) in flight ready condition.

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TEBO-300



LOC 3" TERRIER BOOSTER

- 24" Slotted Booster
- Polypropylene Airframe reducer
- 28" Parachute
- 12' Nylon Shock Cord
- 11" 38mm Motor Tube
- 1/4" Fin Set
- 2 1/4" Centering Rings
- 2-1000 Series Rail Guide
- Hardware — Eye Bolt, 1/8" Quick Link



STEP 2

Pass loop through eye bolt, then pass shock cord through it's own loop as shown. Don't get any epoxy on the shock cord! Ball up shock cord and pack in motor tube to stay clear from epoxy!



STEP 3

Stand airframe on the FWD end so the AFT is up. Apply a nominal epoxy fillet to the aft ring where the ring meets the airframe. **DO NOT** get any epoxy in the motor tube!!! Allow to cure. Reposition airframe laying down. Apply a generous bead of epoxy to the root edge of one fin and insert in the fin slot. Allow to cure before moving onto the next fin. When all fins are epoxied in place, apply an external fillet to each fin to airframe joint.

STEP 4 Lightly sand airframe/fill spirals if desired.

Apply nominal bead of epoxy forward of the slots inside the airframe. Slide completed motor assembly up from the AFT of the booster. Sliding in until the AFT ring is recessed 1/8" to 1/4" in the booster. Making sure the AFT ring does not interfere with the fin slots. Allow to cure.

STEP 5

At the end of the nylon shock cord use quick link through the sewn loop attaching to the airframe reducer. 2' or so from the end attach parachute shroud lines by looping over shock cord and passing back through shroud lines making a knot. Some use a quick link or swivel, this is your choice, knot ours!

STEP 6

Install the rail guides into the booster with provided screws. Try to aim for the aft and forward rings centered between the fins. Drill a hole smaller than the screw so the screw threads into it. Drop a small amount of epoxy in drilled hole, thread the rail guide and screw in the hole, rotate rocket 180 degrees & let cure. Repeat for the forward rail guide.

Due to the high thrust motors that can be flown in this rocket, epoxy is recommended!

Before beginning construction, read over instructions to become familiar with the proper construction steps. **TEST FIT ALL PARTS!** Light sanding may be necessary to obtain proper fit.

STEP 1

Rough sand the motor tube to ensure proper adhesion OR remove the outer glassine wrap. Slide the FWD ring (has hole for eye bolt) onto the 38mm motor tube so the tube is 1/8" exposed from the ring. Tack into place, checking the ring is perpendicular to the motor tube. Allow to cure. Slide the AFT ring on leaving 1/8" of the motor tube exposed (if using an aluminum motor retainer, you would need to adjust the length of the motor tube exposed). Tack into place, allow to cure. Apply epoxy fillets to both sides of both rings. Allow to cure. Install eye bolt in FWD ring.

FINISH

Spray rocket with primer, sand and repeat until smooth finish is obtained. Spray rocket with paint of choice, let dry. Apply protective clear coat.