



## HOW TO USE FIRSTFIRE™ IGNITERS

**NOTE: Do not install the FirstFire™ igniter in your motor until you are at the launch pad, just prior to launch.**

- Remove the FirstFire™ igniter from the paper shipping sleeve.
- Unfold the igniter leads and straighten the igniter to its maximum length.
- Using a hobby knife, remove the insulation from the last 3/4"-1" of the uncoated end of the igniter leads.
- Bend the coated end of the igniter at a slight angle before installation to promote contact with the propellant surface.
- Insert the igniter through the nozzle opening until it stops against the head (bulkhead) end of the propellant grain or delay charge.
- Use masking tape or a vented plastic nozzle cap to hold the igniter in place.
- Attach standard "micro-clips" to the igniter leads, ensuring that only one clip contacts each igniter lead, and that the clips are not touching each other.
- Make sure that your launch controller power supply is capable of delivering 12 volts at a minimum of 3 amps to the igniter. A fully-charged car battery or 12 volt gel-cell is recommended.
- Use of FirstFire™ igniters in motor clusters is **not** recommended.



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