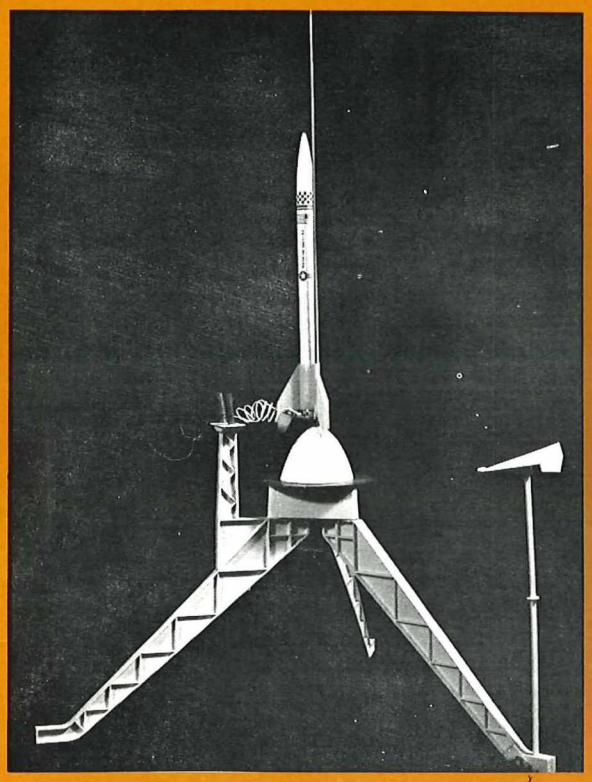
aerospace vehicles inc

AVI GSE
(Ground Support Equipment)



LAUNCH PAD

Get your models started right!

Every model rocket requires a launch pad for a safe and stable flight. The launch pad is the model's initial guidance system while it is still moving too slowly for the fins to exert their stabilizing effect. The launch pad also determines the model's direction of flight.

The AVI Launch Pad is a piece of GSE (Ground Support Equipment in Cape Kennedy parlance) that you will use for years with all sorts of model rockets. So we've built-in lots of features to make it useful, durable, and versatile. The sturdy tripod design provides a stable base on nearly all terrain and incorporates a tilt-leg adjustment topped by a wind vane for programming the launch angle up to the maximum permissible 30° from the vertical. The launch rod is 1/8" in diameter and 36" long; it disassembles into two lengths for easy transportation and storage. An umbilical mast is included on one launcher leg to support the weight of the electrical launching wires and thus prevent their weight from pulling the igniter out of the model. The kit includes an AVI exclusive: a parabolic ceramic jet deflector designed to direct the motor exhaust away from your model, the launch pad, and the ground in a manner that is safe. The ceramic deflector also prevents electrical short-outs between the firing wires and the deflector, giving you greater launch reliability.

The AVI Launch Pad comes in an easy-to-assemble kit that breaks down for compact transportation in your range box. Its rugged durability and versatility has been proven by years of hard use on club ranges.

Kit No. 3-0150 Price: $5.00

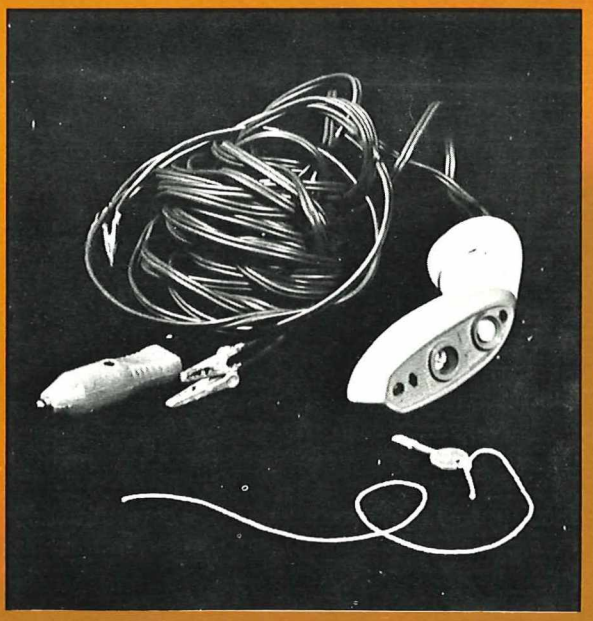
AVI ELECTRIC LAUNCH CONTROLLER

All model rockets are ignited by electrical means because this is the safest possible way to do it. National regulations and most local rules require electric ignition. The AVI Launch Controller provides you with a way to achieve safe, positive, reliable electric ignition.

The Controller has a handle-shape and is molded from high-impact plastic. It contains all necessary electrical safety features—recessed launching button, igniter continuity light, and safety key. The electrical launching circuit is not "armed" until the safety key is inserted and turned, and the continuity light indicates a go condition of the circuit. 15 feet of electrical cable is provided between the controller and the launch pad end of the cable. 10 feet of cable is provided for attachment to a high-capacity battery (not included). AVI recommends a list of commonly available power dry cells given in the instructions for positive ignition. However, an adapter is provided for plugging the system into the cigarette lighter receptacle of an automobile so that this high-capacity source can be used.

This rugged unit, field-tested under hard use for years by clubs, comes as an easy-to-assemble kit with no soldering required. You will use it for years with confidence in your model rocket launching activities.

Kit No. 3-0151 Price: $4.50



SPECIAL COMBINATION:

The AVI Launch Pad plus the AVI Launch Controller

Kit No. 3-0152 Price: $8.50

You save a dollar and get a complete launch system!

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