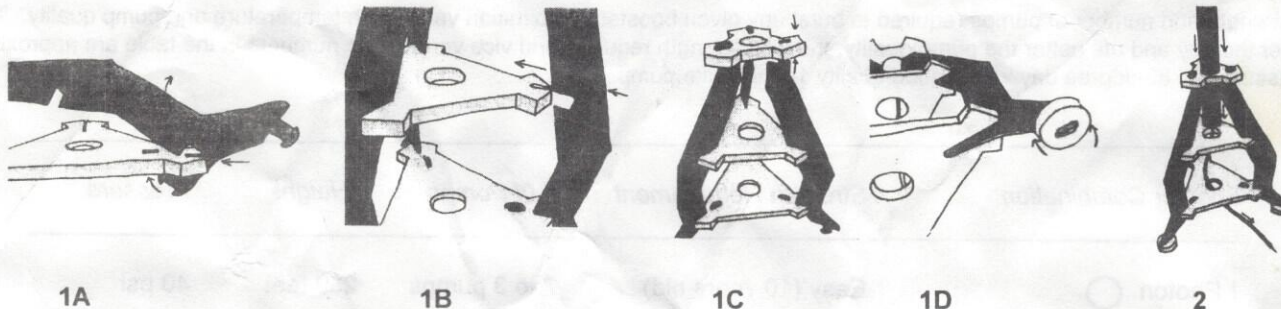


AIR BURST ROCKETS

AIR BURST IS A HIGH-POWERED ROCKET LAUNCHING SYSTEM. ALL OPERATING AND SAFETY INSTRUCTIONS MUST BE CAREFULLY READ BEFORE USE.

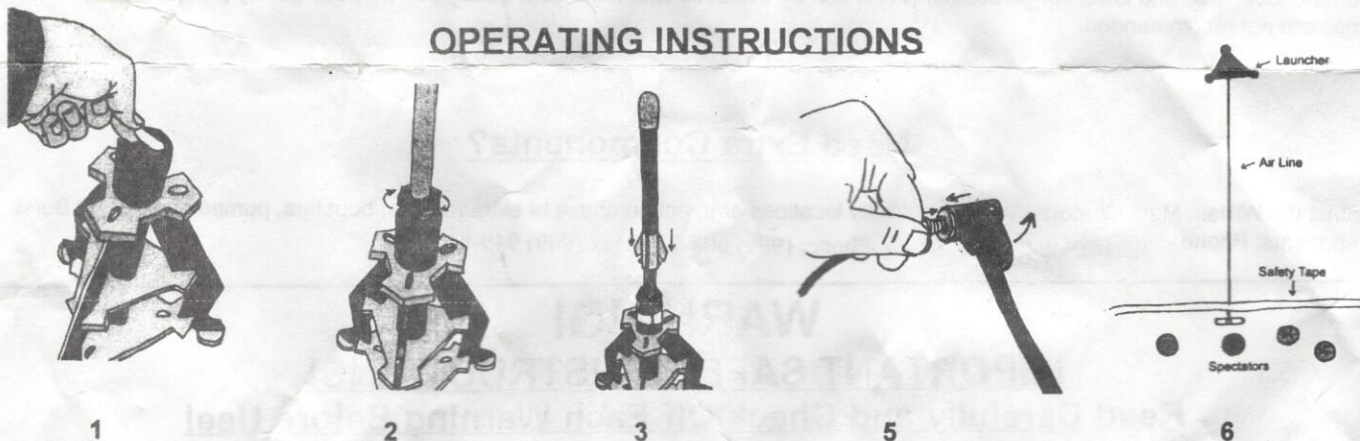
ASSEMBLY INSTRUCTIONS



1. Attach the launcher stand legs to the foam support sections:

- A. Attach the largest foam support section to the tab and slot towards the bottom of the launcher legs. Slide the foam support section into the slots and snap into place over the tabs.
- B. Attach the second smallest foam support section to the slot in the middle of the launcher legs. Simply slide the foam support section into the slot.
- C. Attach the smallest foam support section to the tab at the top of the launcher legs. Simply snap it on.
- D. Snap on the circular foam pads to the tabs at the bottom of the launcher legs.

2. Insert the launcher cylinder chamber through the round holes of the foam support sections by pulling the air tube through the three holes. Then push the pressure chamber through the holes with a firm, slow twist until the bottom of the launch chamber cap meets the top foam support section. Now your launcher is ready to operate!



- 1. Place membrane booster(s) into the top of the launcher chamber allowing it to lay flat against the foam washer inside the chamber. Boosters sometimes stick together, so make sure they are separated into single units before use.
- 2. Screw the launch tube screw into the launcher chamber firmly by hand until tight. This seals the booster(s) in the chamber.
- 3. Slide the rocket over the launch tube.
- 4. Place the launcher on a stable, flat surface in a wide-open area away from bystanders. Make sure it is pointed straight up in the air—not at an angle.
- 5. Attach a quality stand-up bike pump to the air hose and fully extend the air line from the launcher stand to a distance of at least 6 feet.
- 6. To ensure the safety of the operator and spectators, place the yellow safety tape across and perpendicular to the air hose 6 feet from the launcher. The operator and all spectators must stand behind the safety tape before launching. Make sure the launcher is not leaning towards spectators.
- 7. Pump air into the cylinder chamber until the booster membrane bursts and launches the rocket high into the sky. *Pump hard and fast using full strokes with your body weight over the pump. Never get in the way of a launching or falling rocket! Safety glasses are strongly recommended. If rocket fails to launch, detach the pump before approaching. Never approach a pressurized launcher!*
- 8. To launch again, simply replace the spent booster or boosters. For enhanced visibility, scotch tape a couple of the enclosed contrail streamers to the fins.

Note: Do not expose launcher to direct sunlight or high temperatures for long periods of time. It can degrade the air line by making it softer.

About the Boosters

Air Burst Rockets are launched with a Photon booster (white) and/or a Bozon booster (red). The boosters are membranes that burst under pump pressure. This creates tremendous air velocities and sends the rockets high into the sky. It is easier to pump and burst a Photon booster than it is to pump and burst a Bozon booster, but a Photon booster does not send the rockets as high. When launching a rocket, one can use either a Photon booster or a Bozon booster or combinations of the two. This enables the booster membranes to burst at five different pressure levels and send the rockets to five different heights.

The table below shows approximate heights achieved and the bursting pressures required for all five combinations of boosters. Keep in mind that the more pressure required, the harder it is to burst the membranes.

The strength and number of pumps required to burst any given booster combination varies with temperature and pump quality. The warmer the day and the better the pump quality, the less strength required and vice versa. The numbers in the table are approximate and assume an 80 degree day with a good quality 18-inch bike pump.

Booster Combination	Strength Requirement	# Of Pumps	Height	Pressure
1 Photon ○	 Easy (10 years old)	2 to 3 pumps	250 feet	40 psi
2 Photons ○○		4 to 5 pumps	500 feet	80 psi
1 Bozon ●		6 to 7 pumps	600 feet	90 psi
1 Photon, 1 Bozon ○●		7 to 8 pumps	850 feet	125 psi
2 Bozons ●●		8 to 9 pumps	1000 feet	150 psi

Note: Do not attempt launches requiring more than 160 psi for which the launcher was designed.

About Pumps

Stand-up bike pumps (or floor pumps) come in a variety of different sizes and qualities. Ease of pumping and component part quality vary greatly with the brand and grade of pump. In order to achieve maximum booster levels and heights, a high quality pump is recommended. Mid and lower range booster levels can be achieved with a medium quality pump. Poor quality pumps and hand pumps are not recommended.

Need Extra Components?

Contact the William Mark Corporation for availability locations or direct purchase of extra rockets, boosters, pumps or other Air Burst components: Phone www.flyingproducts.com Phone: (909) 608-7340 fax (909) 949-8108

WARNING!

IMPORTANT SAFETY INSTRUCTIONS!

Read Carefully and Check Off Each Warning Before Use!

This is a high-powered rocket launching system. Misuse of this product can cause SEVERE INJURY, including loss of an eye or death.

- ___ 1. Launch **ONLY** straight up in the air on a stable, flat surface in a wide-open area away from bystanders and overhead wires.
- ___ 2. **NEVER, NEVER** get in the way of or put anything in the path of a launching rocket.
- ___ 3. **NEVER** launch at an angle or horizontally. **NEVER, NEVER** launch at people!
- ___ 4. **NEVER, NEVER** get in the path of or attempt to catch a falling rocket. Be aware that rockets may land in proximity to the point of launch. Alert all within range when launching. To protect eyes and face, if you lose sight of a falling rocket, **DO NOT** continue to look upward. Wait for the rocket to hit the ground. *Safety glasses are strongly recommended.*
- ___ 5. **NEVER** approach a pressurized launcher detach pump before approaching! Keep air line away from eyes when detaching.
- ___ 6. Operator and spectators **MUST BE AT LEAST 6 FEET** away from launcher. Stand behind the yellow safety tape.
- ___ 7. **NEVER** launch anything but Air Burst Rockets. **NEVER** launch a damaged rocket!
- ___ 8. Keep boosters away from children under 3 as they pose a choking hazard.

For ages 10 and up with ADULT SUPERVISION ONLY.