GLUE

WARNING!
ONLY LAUNCH ESTES® MINI ROCKETS FROM LAUNCH PAD. NOT FOR USE WITH STANDARD A, B OR C SIZE ROCKETS.

RECOMMENDED ENGINES:
1/4 A3-3T, 1/2 A3-4T, A3-4T, A10-3T

FULL ONE-YEAR WARRANTY
Your Estes® product is warranted against defects in materials or workmanship for one year from the date of the original purchase. If this Estes® product, because of a manufacturing mistake, malfunctions or proves to be defective within the one-year warranty period, it will be repaired or replaced, at Estes® option and at no charge to you, provided it is returned to Estes® with proof of purchase.

This warranty does not cover incidental or consequential damage to persons or property caused by the use, abuse, misuse, failure to comply with operating instructions or improper storage of the warranty product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. For repairs or replacement under this warranty, please return the defective part of your Estes® product with proof of purchase to: Estes® Industries, Customer Service Department, 1295 H Street, Penrose, Colorado 81240.

Supplies Required:
ALL GLUED AREAS ARE SHOWN IN GRAY

FLYING YOUR ROCKET
To rendezvous, align the S/C with your mini rocket in the launch tube. Point the motor end of the mini rocket toward the center of the S/C. Count down from 5 to 1, launching the mini rocket from the launch pad. Once the mini rocket reaches the top of its flight path, immediately flip the switch to turn the S/C off. The S/C will stop with the wind, at an angle or landing on the glow tunnel and decal. Do not launch more than one mini rocket at a time. Do not use the electric launch system on standard size rockets.

MISFIRES

to the ON position of the controller. Wait one minute before trying to launch again. This will ensure the proper functioning of the electric ignition system. Try again after one minute and if the rocket still does not ignite, it may be necessary to replace the igniter. The igniter is designed to be used only once. After use, discard the igniter in accordance with local laws and regulations.

NAR MODEL SAFETY CODE
(Basic Version, S/P Feb 2001)

1. MATERIALS - I will use only lightweight, non-metal parts for the nose, body, and fins of my rocket.
2. MOTORS - I will use only unmodified, commercially available model rocket motors, and will not tamper with these motors or use them for any purposes except those recommended by their manufacturer.
3. IGNITION SYSTEM - I will launch my rockets with an electrical launch system and electrical motor igniters.
4. LAUNCH SAFETY - I will use a countdown before launch, and will ensure that everyone is paying attention and is at least 15 feet away when I launch rockets with Q motors or smaller, and at least 30 feet when I launch larger rockets.
5. MISFIRES - If my rocket does not launch when I press the button of my electrical launch system, I will remove the launchers safety interlock or disconnect its battery before allowing anyone to approach the rocket.
6. LAUNCHER - I will launch my rocket from a launch rod, tower, or rail to ensure that the rocket flies nearly straight up. I will use a blast deflector to prevent the motor exhaust from hitting the ground and/or damaging nearby objects. I will cap the end of my launch rod when it is not in use.
7. SIZE - My model rocket weighs more than one pound (453 grams) at lift off or more power than a single G motor. I will check and comply with Federal Aviation Administration regulations before flying.
8. FLIGHT SAFETY - I will not launch my rocket at targets or near airplanes, and will not put any flammable or explosive payload in my rocket.
9. LAUNCH SITE - I will launch my rocket outdoors, in an open area and in safe weather conditions, (CLUTTERED OR WINDY) and will ensure that there is no dry grass close to the launch pad (FOR THE FLYING FIELD).
10. RECOVERY SYSTEM - I will use a recovery system such as a streamer or parachute in my rocket so that it returns safely and undamaged and can be flown again, and I will use only flame-resistant or treeproof recovery system in my model rocket.
11. RECOVERY SAFETY - I will not attempt to recover my rocket from power lines, tall trees, or other dangerous places.

ADDITIONAL ESTES REQUIREMENTS:

SPECIAL BUS ROCKET ASSEMBLY: ALWAYS TEST FIT PARTS BEFORE FINAL ASSEMBLY.

ENGINE PREP

PARTS LIST:

SPACE BUS ROCKET ASSEMBLY: ALWAYS TEST FIT PARTS BEFORE FINAL ASSEMBLY.
SAFETY NOTES:
1. ALWAYS PLACE SAFETY CAP ON LAUNCH ROD WHEN NOT IN USE.
2. DO NOT STAND DIRECTLY OVER LAUNCH PAD.
3. FLY ONLY ESTES® MODEL ROCKETS THAT USE MINI ENGINES FROM THIS LAUNCH PAD! DO NOT ATTEMPT TO FLY ANY OTHER ROCKETS OFF OF THIS LAUNCH PAD!