



A DAMON COMPANY

FLYING MODEL ROCKETS



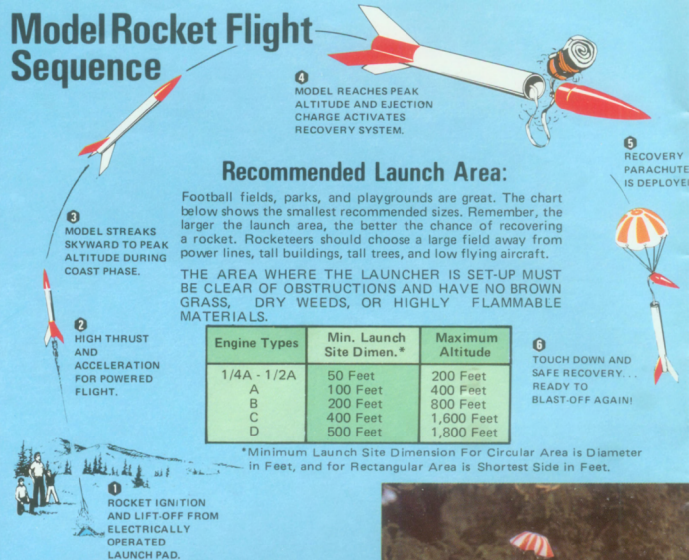
**Introducing 23
Exciting New
Products For 1981!**

(Starship Nova featured on page 14)

No. 2852

Retailer Catalog

Model Rocket Flight Sequence



Recommended Launch Area:

Football fields, parks, and playgrounds are great. The chart below shows the smallest recommended sizes. Remember, the larger the launch area, the better the chance of recovering a rocket. Rocketeers should choose a large field away from power lines, tall buildings, tall trees, and low flying aircraft.

THE AREA WHERE THE LAUNCHER IS SET-UP MUST BE CLEAR OF OBSTRUCTIONS AND HAVE NO BROWN GRASS, DRY WEEDS, OR HIGHLY FLAMMABLE MATERIALS.

Engine Types	Min. Launch Site Dimen.*	Maximum Altitude
1/4A - 1/2A	50 Feet	200 Feet
A	100 Feet	400 Feet
B	200 Feet	800 Feet
C	400 Feet	1,600 Feet
D	500 Feet	1,800 Feet

*Minimum Launch Site Dimension For Circular Area is Diameter in Feet, and for Rectangular Area is Shortest Side in Feet.

Model Rocketry Is An Internationally Recognized Hobby With A Safety Record Of More Than 175 Million Successful Model Rocket Launchings.

Estes Model Rocket Engines Are Safety Tested And Contest Certified By:

- U.S. National Association of Rocketry
- Canadian Association of Rocketry
- Estes Model Rocket Engines Have Been Tested And Approved By:
 - United States B.O.E.
 - Truesdail Laboratories, Inc.
 - Canadian Department of Energy, Mines, and Resources
 - Government of West Germany
- Estes Model Rocketry Products Meet The Standards And Requirements Established By:
 - National Fire Protection Association
 - U.S. Consumer Product Safety Commission
 - U.S. Food & Drug Administration
 - U.S. Department of Transportation
 - Federal Aviation Administration
 - U.S. Postal Service

- United Parcel Service
- American Insurance Association
- International Air Transport Association
- Inter-Governmental Maritime Consultative Organization

Model Rocketry Is Endorsed As A Safe And Rewarding Hobby By:

- Cub Scouts of America
- Boy Scouts of America
- YMCA's
- National 4-H Clubs
- Civil Air Patrol
- NASA
- United States Air Force
- U.S.A.F. - J.R.O.T.C. Programs
- 15,000 Elementary, Jr. High, and High Schools
- Major Colleges and Universities
- Hundreds of Camp and Recreation Programs

Skill Levels

All kits in this catalog are grouped by Skill Level. The Skill Level number recommends the general skill and experience necessary for a rocketeer to successfully complete the kit. Skill Level 1 kits are suggested for beginners, Skill Level 2 for individuals with some model building experience, and so on to Skill Level 5 kits recommended for expert modelers.

SKILL LEVEL 1 Very Simple - Recommended for beginners.

SKILL LEVEL 2 Fairly Easy - Recommended for individuals with some model building experience.

SKILL LEVEL 3 Average Challenge - Recommended for the advanced model builder.

SKILL LEVEL 4 Very Challenging - Recommended for the experienced model builder.

SKILL LEVEL 5 Extremely Challenging - Recommended for the expert model builder.

-Photos by David Brownell

IMPORTANT

Most model rocket kits are constructed of light-weight hobby materials such as balsa wood, paper tubing and plastic. Unless otherwise stated, all the model rocketry kits in this catalog are hobby kits requiring assembly. Launch system engines, launch supplies, glue, batteries, paint, tools, and finishing materials are not included. Recommended for ages 10 to adult. Adult supervision suggested for those under 12 years of age when flying model rockets.

Kit Feature Symbols shown in this catalog indicate the following kit features:

- Parachute & Size
- Quick-Release Engine Mount
- Kit Decals
- Plastic Nose Cone
- Die-Cut Balsa Fins

SKILL LEVEL 1



FALCON COMMANDER Exotic Flying Model Rocket Starter Kit

Estes' first exotic, low priced starter kit featuring the exciting new Falcon Commander spacecraft with 12" parachute recovery. Easy-to-assemble and capable of flights over 1,000 feet.

Launch control system includes launch pad, blast deflector, 1/8" x 36" two-piece launch rod, hand-held launch controller, launch cable and micro-clips. Requires 12 volt lantern battery - Not Included.

Flight Pak includes two A8-3 and one B6-4 high performance model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

(Does not include glue, paint, or batteries.)

Engines: A8-3 (1st Flt.), A8-5, B4-4, B6-4, B6-6, B8-5, C6-5, C6-7.

Pkg: 6-1/4" x 2-1/2" x 18-1/2" Full-color display box. Pack: 12 ea. Wt: 14 lbs. Cube: 2.28 cu. ft.

No. 1428



Challenger-1 Flying Model Rocketry Starter Kit

Our lowest priced starter kit includes the easy-to-assemble Challenger-1 rocket with 12" parachute. Quick-finish decor with pre-colored body tube and orange plastic nose cone and fin-unit. No painting required! Flights over 1,000 feet.

Launch control system fits on standard 12 volt lantern battery and includes launch pad, blast deflector, 1/8" x 36" launch rod, hand-held launch controller, launch cable and micro-clips. Requires 12 volt lantern battery - Not Included.

Flight Pak includes two A8-3 and one B6-4 high performance rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

(Does not include glue or battery.)

Engines: 1/2A6-2, A8-3 (1st Flt.), A8-5, B4-4, B6-4, B8-5, C6-5, C6-7.

Pkg: 6-1/4" x 2-1/2" x 18-1/2" Full-color display box. Pack: 12 ea. Wt: 14 lbs.

Cube: 2.28 cu. ft.

No. 1416



SKILL LEVEL 1



SKILL LEVEL 1



THE ALPHA III STARTER KIT

The perfect beginner starter kit, featuring the easy-to-assemble Alpha III rocket with 12" parachute. Requires no painting. Includes bright red plastic nose cone and fin-unit, white body tube and kit decals.

Porta-Pad launch platform has strong girder construction and tilt-adjustment for wind. Futuristic Solar Launch Controller is hand-held and easily-assembled in minutes. Requires four "AA" size alkaline batteries - Not Included.

Flight Pak includes two A8-3 and one B6-4 model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

(Does not include glue or batteries.)

Engines: 1/2A6-2, A8-3 (1st Flt.), A8-5, B4-4, B6-4, B8-5, C6-5, C6-7.

Pkg: 8" x 3-1/2" x 19" Two-color corrugated box with full-color display wrapper. Pack: 12 ea. Wt: 30 lbs. Cube: 5.60 cu. ft.

No. 1406



SKILL LEVEL

1

DER BIG RED MAX Deluxe Model Rocketry Outfit

Virtually everything needed to get started in model rocketry in a "big way". Big Red Max rocket is over 2 feet long and easy-to-assemble. Special kit decals make finishing a snap.

Big Foot Launch Control System is capable of launching all Estes rockets and is ideal for the hobbyist wishing to expand his collection. (Requires four "D" size alkaline batteries - Not Included.)

Includes two B4-2 and one C6-5 high performance model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry. (Does not include glue, paint, or batteries.)

Engines: B4-2, B4-4, B6-2 (1st Fit.), B6-4, C6-5.

Pkg: 16" x 3" x 12" Full-color display box. Pack: 12 ea. Wt: 36 lbs. Cube: 4.16 cu. ft.

No. 1403



Includes:
Glue, Paint and
Finishing Materials!

Over
2 Feet
Tall!



SKILL LEVEL

DELUXE STARTER KIT

Includes everything needed to assemble, paint, and launch the Alpha rocket. Alpha features balsa nose cone and fins and is capable of flights over 1,000 feet. Length: 12-1/4".

Porta-Pad launcher can launch most all Estes rockets and features girder construction for extra strength. Advanced, hand-held, Solar Launch Controller is extremely dependable and easy-to-assemble. Requires four "AA" size alkaline batteries -- Not Included.

Flight Pak includes two A8-3 and one B6-4 high performance model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.

Pkg: 8" x 3-1/2" x 19" Two-color corrugated box. Pack: 12 ea. Wt: 36 lbs. Cube: 5.60 cu. ft.

No. 1407



maxi alpha 3 "Pro-Demo" Model Rocketry Outfit

SKILL LEVEL

2

Ideal for professional style demonstrations, this outfit features the huge Maxi-Alpha-3 rocket. Easy-to-assemble with no painting required, the Maxi-Alpha-3 is nearly 3 feet tall.

Includes Big Foot Launch System designed for launching the big ones with giant two-foot-print. (Requires four "D" size alkaline batteries -- Not Included.)

Flight Pak includes three high performance D12-3 model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry. (Does not include glue or batteries.)

Pkg: 11" x 4" x 21" Full-color display box. Pack: 6 ea. Wt: 14 lbs. Cube: 3.33 cu. ft.

No. 1411



Nearly 3 Feet Tall!



SKILL LEVEL

2

NASA SPACE SHUTTLE ORBITER Model Rocketry Outfit

Features model rocketry's largest scale Shuttle Orbiter with revolutionary new "SkyLite" skinned foam plastic construction. Easy-to-assemble with molded plastic parts. Delivers spectacular flights over 400 feet and returns via huge 18" recovery parachute.

Includes Big Foot Launch Control System for extra launch pad stability. (Requires four "D" size alkaline batteries -- Not Included.)

Flight Pak has two B4-2 and one C6-3 high performance model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

Engines: B4-2 (1st Fit.), B6-2, C5-3, C6-3.

(Does not include glue, paint, or batteries.)

Pkg: 16" x 3" x 12" Full-color display box. Pack: 12 ea. Wt: 36 lbs. Cube: 4.16 cu. ft.

No. 1225



Features
NEW SKYLITE
skinned foam plastic
parts for easy quick
assembly!



Ready-To-Launch Flying Model Rocketry Starter Outfit

Ideal for beginners, this rocket is almost ready-to-launch. Can go from the box to the launch pad in as little as 15 minutes. Vampire rocket is nearly pre-assembled and requires no painting. Returns via 8" parachute.

Portable futuristic launch control system features two-piece 24" launch rod, blast deflector, hand-held launch controller, and pre-soldered micro-clips. Entire system is pre-wired. (Requires four "AA" size alkaline batteries -- Not Included.)

Includes three A3-4T high performance mini-rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

Pkg: 18-1/2" x 4" x 13-1/4" Full-color display box. Pack: 3 ea. Wt: 7 lbs. Cube: 2.28 cu. ft.

No. 0701



SKILL LEVEL

1



X-15 STARTER KIT

SKILL LEVEL

1

Perfect for parents with young children, this scale model of the X-15 rocket plane is ready-to-fly in less than 15 minutes. All plastic construction for easy, quick assembly. No painting required! Returns via 8" parachute.

Portable launch pad features girder construction for extra stability, two-piece 24" launch rod, blast deflector, and pre-soldered micro clips. (Requires four "AA" size alkaline batteries -- Not Included.)

Includes three A3-4T high performance mini-rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.

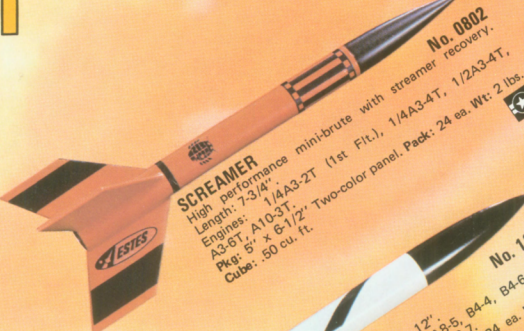
Pkg: 18-1/2" x 4" x 13-1/4" Full-color display box. Pack: 3 ea. Wt: 7 lbs. Cube: 2.28 cu. ft.

No. 0715



Ready-To-Launch
in 15 Minutes!






SCREAMER
High performance mini-brute with streamer recovery.
Length: 7-3/4"
Engines: 1/4A3-2T (1st Fit.), 1/4A3-4T, 1/2A3-4T.
Pkg: 5" x 6-1/2"
Cube: 50 cu. ft.

No. 0802
Pack: 24 ea. Wt: 2 lbs.



SKY HOOK
Easy-to-build sports flyer. Length: 12"
Engines: 1/2A6-2 (1st Fit.), A8-3, A8-5, B4-4, B6-6, B8-5, B8-7, B14-5, B14-7, C6-5, C6-7.
Pkg: 5" x 9-1/2"
Cube: 80 cu. ft.

No. 1208
Pack: 24 ea. Wt: 3 lbs.



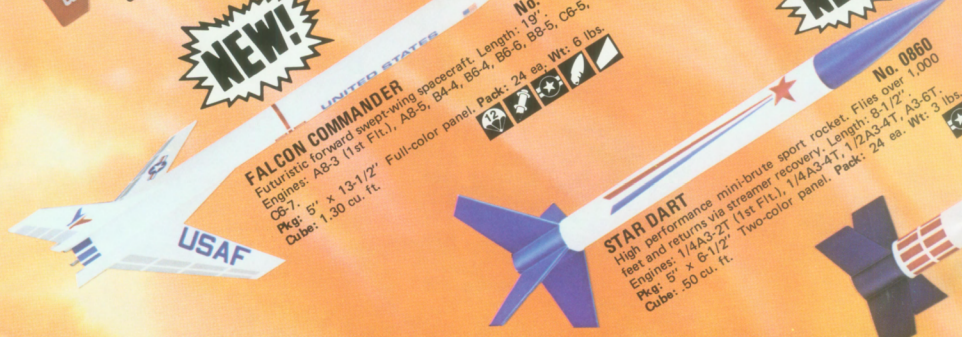
ROGUE
Scale-like high performance mini-brute. Length: 11-3/4"
Engines: 1/4A3-2T (1st Fit.), A3-4T, A10-3T.
Pkg: 5" x 9-1/2"
Cube: 80 cu. ft.

No. 0818
Pack: 24 ea. Wt: 3 lbs.



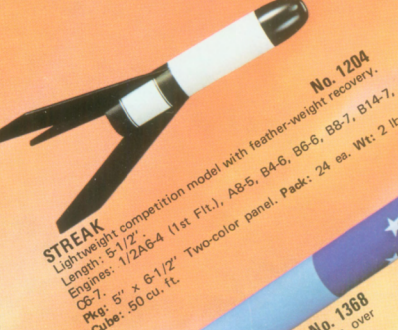
FALCON COMMANDER
Futuristic forward swept-wing spacecraft. Length: 19"
Engines: A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-6, BB-5, C6-5.
Pkg: 5" x 13-1/2"
Cube: 130 cu. ft.

No. 1364
Pack: 24 ea. Wt: 6 lbs.



STAR DART
High performance mini-brute sport rocket. Flies over 1,000 feet and returns via streamer recovery. Length: 8-1/2"
Engines: 1/4A3-2T (1st Fit.), 1/4A3-4T, 1/2A3-4T, A3-6T.
Pkg: 5" x 6-1/2"
Cube: 50 cu. ft.

No. 0860
Pack: 24 ea. Wt: 3 lbs.



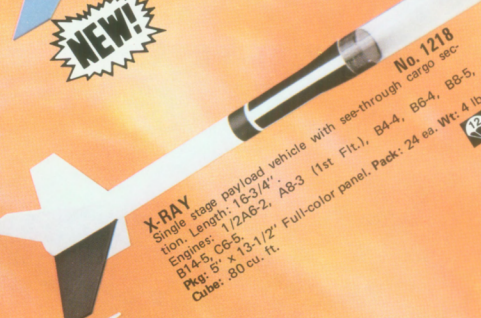
STREAK
Lightweight competition model with feather-weight recovery.
Length: 5-1/2"
Engines: 1/2A6-4 (1st Fit.), A8-5, B4-6, B6-6, B8-7, B14-7.
Pkg: 5" x 6-1/2"
Cube: 50 cu. ft.

No. 1204
Pack: 24 ea. Wt: 2 lbs.



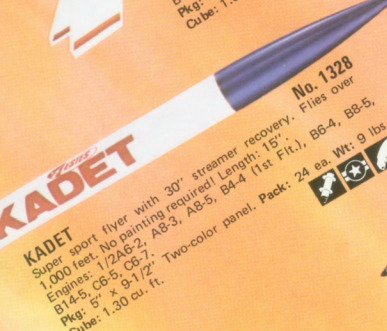
COMET
Big, high performance sports flyer achieves flights over 1,200 feet. Length: 24-1/4"
Engines: A8-3 (1st Fit.), B4-4, B6-4, B8-5, C6-5, C6-7.
Pkg: 5" x 17"
Cube: 177 cu. ft.

No. 1368
Pack: 24 ea. Wt: 8 lbs.



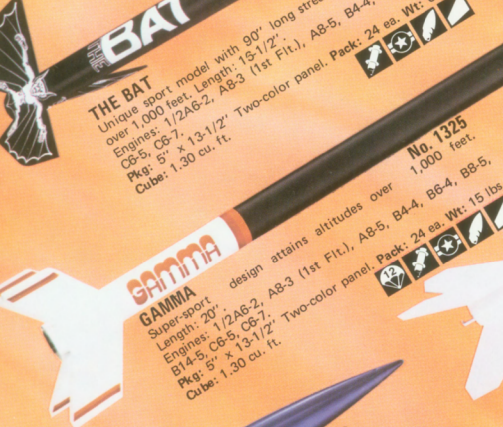
X-RAY
Single stage payload vehicle with see-through cargo section. Length: 16-3/4"
Engines: 1/2A6-2, A8-3 (1st Fit.), B4-4, B6-4, BB-5, B14-5, C6-5.
Pkg: 5" x 13-1/2"
Cube: 80 cu. ft.

No. 1218
Pack: 24 ea. Wt: 4 lbs.



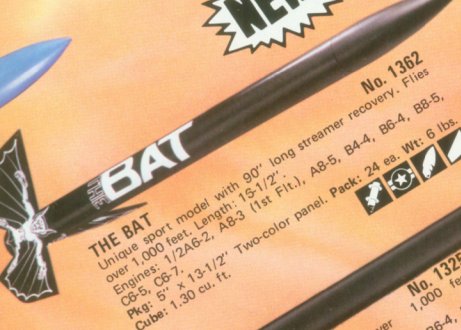
KADET
Super sport flyer with 30' streamer recovery. No painting required! Length: 15"
Engines: 1/2A6-2, A8-3, A8-5, B4-4 (1st Fit.), B6-4, BB-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2"
Cube: 130 cu. ft.

No. 1328
Pack: 24 ea. Wt: 9 lbs.



GAMMA
Super-sport design attains altitudes over 1,000 feet. Length: 20"
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, BB-5, B14-5, C6-5, C6-7.
Pkg: 5" x 13-1/2"
Cube: 130 cu. ft.

No. 1325
Pack: 24 ea. Wt: 15 lbs.



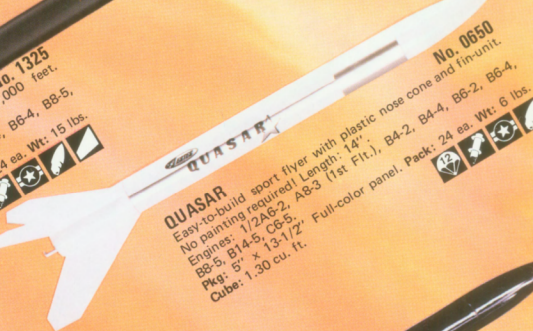
THE BAT
Unique sport model with 90" long streamer recovery. Flies over 1,000 feet. Length: 18-1/2"
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, BB-5, C6-5, C6-7.
Pkg: 5" x 13-1/2"
Cube: 130 cu. ft.

No. 1362
Pack: 24 ea. Wt: 6 lbs.



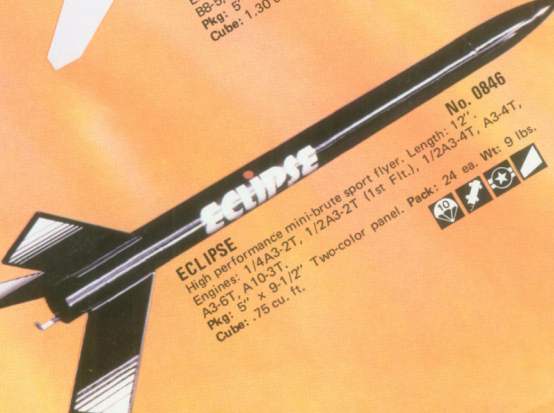
LITTLE JOHN
Semiscale mini-brute with U.S. Army decor. Length: 14"
Engines: 1/2A3-2T (1st Fit.), A3-4T, A10-3T.
Pkg: 5" x 9-1/2"
Cube: 80 cu. ft.

No. 0819
Pack: 24 ea. Wt: 3 lbs.



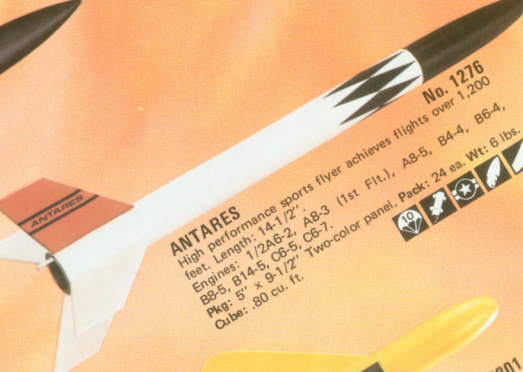
QUASAR
Easy-to-build sport flyer with plastic nose cone and finnut. No painting required! Length: 14"
Engines: 1/2A6-2, A8-3 (1st Fit.), B4-2, B4-4, B6-2, B6-4, BB-5, B14-5, C6-5.
Pkg: 5" x 13-1/2"
Cube: 130 cu. ft.

No. 0650
Pack: 24 ea. Wt: 6 lbs.



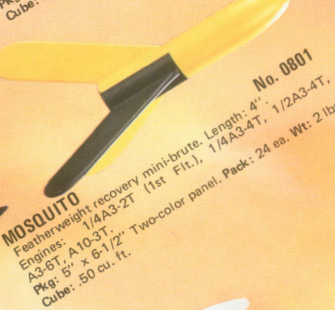
ECLIPSE
High performance mini-brute sport flyer. Length: 12"
Engines: 1/4A3-2T, A3-6T, A10-3T.
Pkg: 5" x 9-1/2"
Cube: 75 cu. ft.

No. 0846
Pack: 24 ea. Wt: 9 lbs.



ANTARES
High performance sports flyer achieves flights over 1,200 feet. Length: 14-1/2"
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, BB-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2"
Cube: 80 cu. ft.

No. 1276
Pack: 24 ea. Wt: 6 lbs.

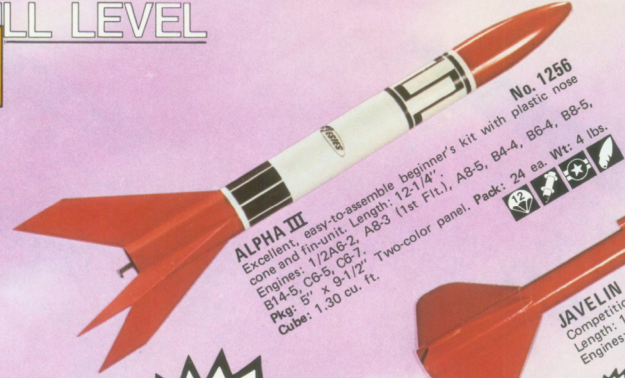


MOSQUITO
Featherweight recovery mini-brute. Length: 4"
Engines: 1/4A3-2T (1st Fit.), 1/4A3-4T, 1/2A3-4T.
Pkg: 5" x 6-1/2"
Cube: 50 cu. ft.

No. 0801
Pack: 24 ea. Wt: 2 lbs.

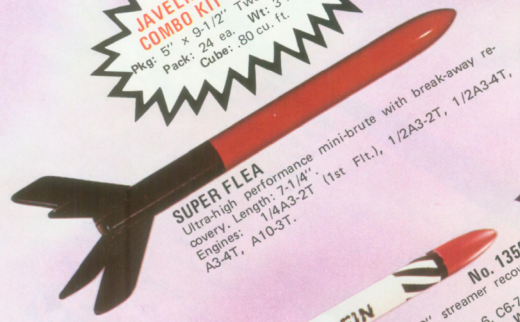
SKILL LEVEL

1

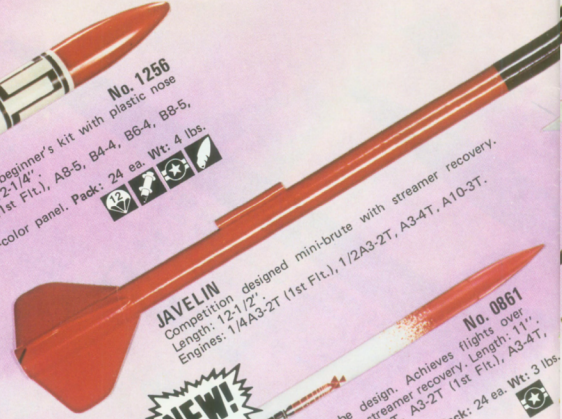


Alpha III
Excellent, easy-to-assemble beginner's kit with plastic nose cone and fin-unit. Length: 12-1/4".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 4 lbs. Cube: 1.30 cu. ft.

JAVELIN & SUPER FLEA COMBO KIT
No. 0815
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 3 lbs. Cube: 80 cu. ft.



Super Flea
Ultra-high performance mini-brute with break-away recovery. Length: 7-1/4".
Engines: 1/A3-2T (1st Fit.), 1/2A3-2T, 1/2A3-4T, A3-4T, A10-3T.



Javelin
Competition designed mini-brute with streamer recovery. Length: 12-1/2".
Engines: 1/A3-2T (1st Fit.), 1/2A3-2T, A3-4T, A10-3T.

NEW!
SARK
Mini-brute space probe design. Achieves flights over 1,000 feet and returns via streamer recovery. Length: 11".
Engines: 1/2A3-2T, 1/2A3-4T, A3-2T (1st Fit.), A3-4T, A3-6T, A10-3T.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 3 lbs. Cube: 80 cu. ft.

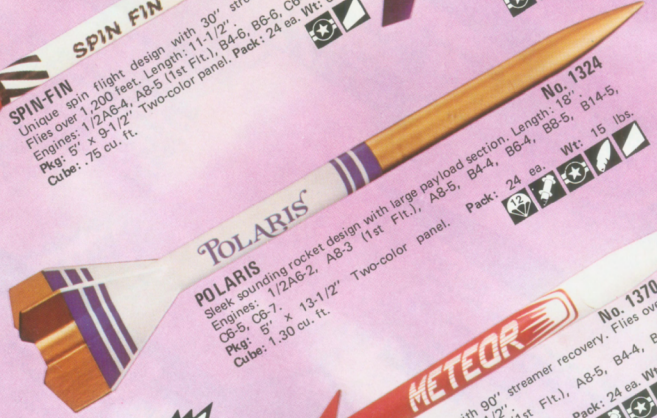


Wizard
High performance sport flyer with 30' streamer recovery. Flies over 1,800 feet. Length: 12".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B8-7, B14-5, B14-6, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 75 cu. ft.



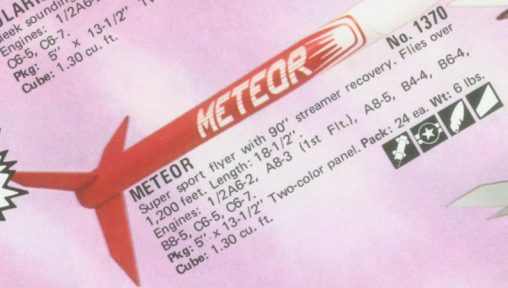
Spin Fin
Unique spin flight design with 30" streamer recovery. Flies over 1,200 feet. Length: 11-1/2".
Engines: 1/2A6-4, A8-5 (1st Fit.), B4-6, B6-6, B8-5, B14-5.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: .75 cu. ft.

NEW!

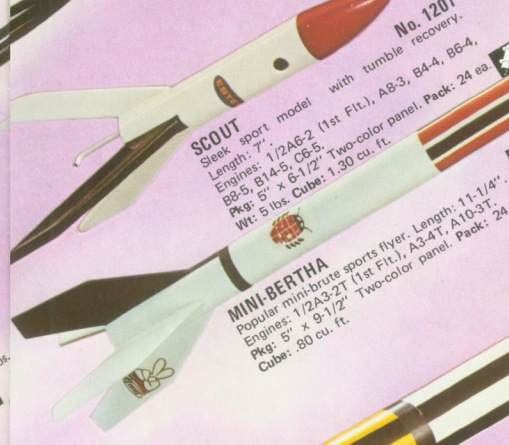


Polaris
Sleek sounding rocket design with large payload section. Length: 18".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5.
Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 15 lbs. Cube: 1.30 cu. ft.

NEW!



Meteor
Super sport flyer with 90" streamer recovery. Flies over 1,200 feet. Length: 18-1/2".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, C6-5, C6-7.
Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



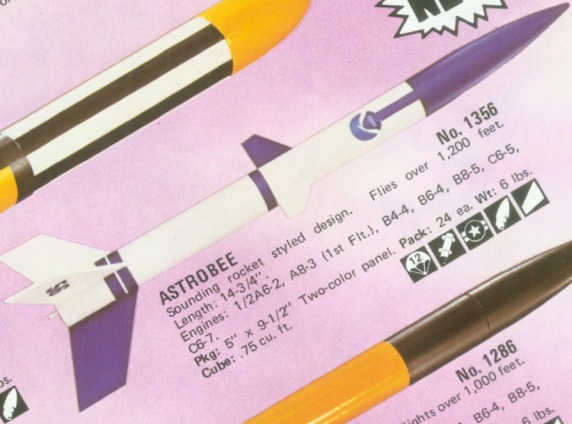
Scout
Sleek sport model with tumble recovery. Length: 7".
Engines: 1/2A6-2 (1st Fit.), A8-3, B4-4, B6-4, B8-5, B14-5, C6-5.
Pkg: 5" x 6-1/2" Two-color panel. Pack: 24 ea. Wt: 5 lbs. Cube: 1.30 cu. ft.



Mini-Bertha
Popular mini-brute sports flyer. Length: 11-1/4".
Engines: 1/2A3-2T (1st Fit.), A3-4T, A10-3T.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 3 lbs. Cube: 80 cu. ft.

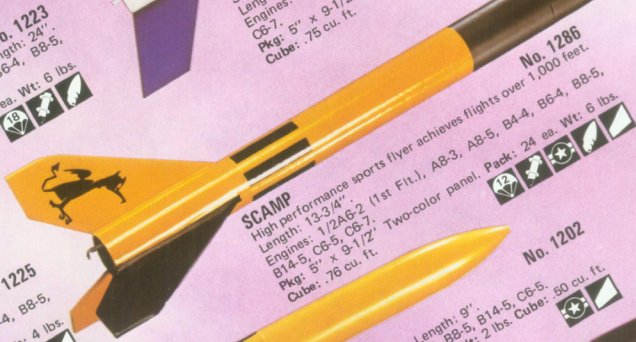


Big Bertha
Big beginner's rocket with slow realistic lift-offs. Length: 24".
Engines: A8-3, B4-2, B4-4, B6-2 (1st Fit.), B6-4, B8-5, B14-5, C6-5.
Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.30 cu. ft.

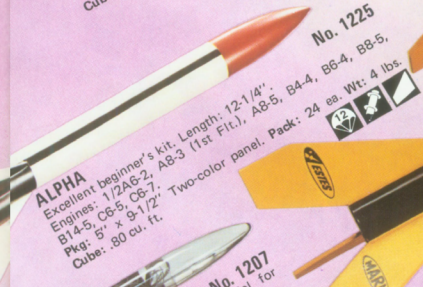


Astrobee
Sounding rocket styled design. Flies over 1,200 feet. Length: 14-3/4".
Engines: 1/2A6-2, A8-3 (1st Fit.), B4-4, B6-4, B8-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 75 cu. ft.

NEW!

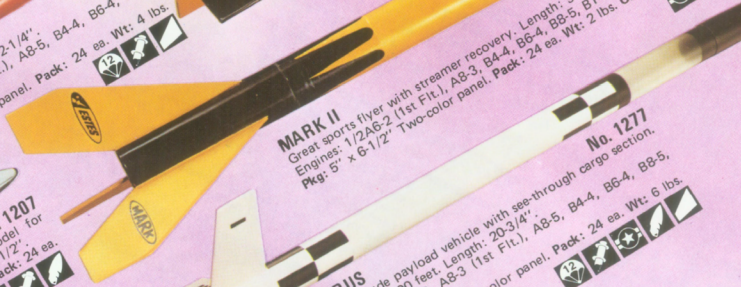


Scamp
High performance sports flyer achieves flights over 1,000 feet. Length: 13-3/4".
Engines: 1/2A6-2 (1st Fit.), A8-3, A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: .76 cu. ft.



Alpha
Excellent beginner's kit. Length: 12-1/4".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 4 lbs. Cube: .80 cu. ft.

No. 1225

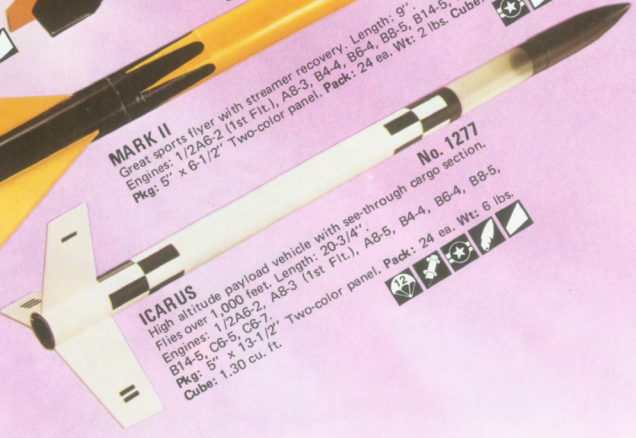


Mark II
Great sports flyer with streamer recovery. Length: 9".
Engines: 1/2A6-2 (1st Fit.), A8-3, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 6-1/2" Two-color panel. Pack: 24 ea. Wt: 2 lbs. Cube: .90 cu. ft.



Phantom
See through static demonstration model for educational presentations. Length: 12-1/2".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 5 lbs. Cube: 1.30 cu. ft.

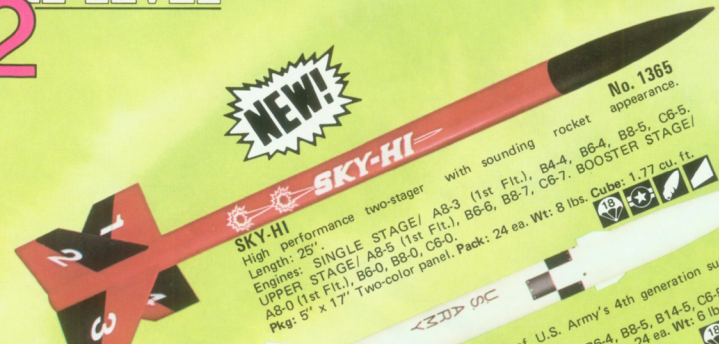
No. 1207



Icarus
High altitude payload vehicle with see-through cargo section. Flies over 1,000 feet. Length: 20-3/4".
Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.

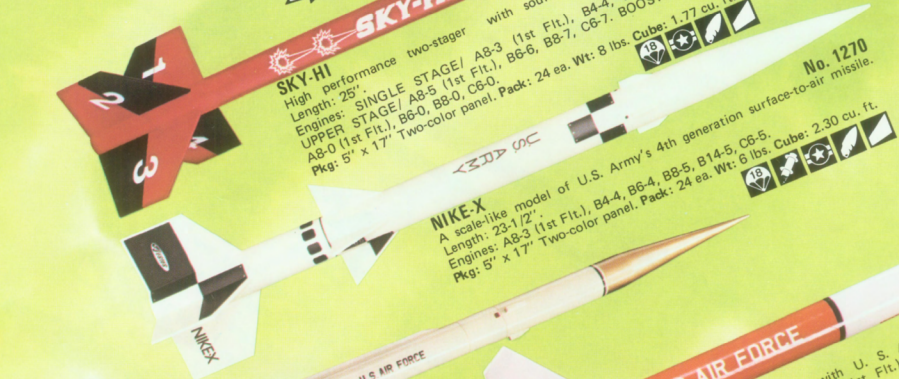
No. 1277

NEW!



SKY-HI
High performance two-stager with sounding rocket
Length: 25"
Engines: SINGLE STAGE/ A8-3 (1st Flt.), B4-4, B6-4, B8-5, C6-5, C6-7, BOOSTER STAGE/
UPPER STAGE/ A8-5 (1st Flt.), B6-6, B8-7, C6-7. Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 1.77 cu. ft.

No. 1365 appearance.



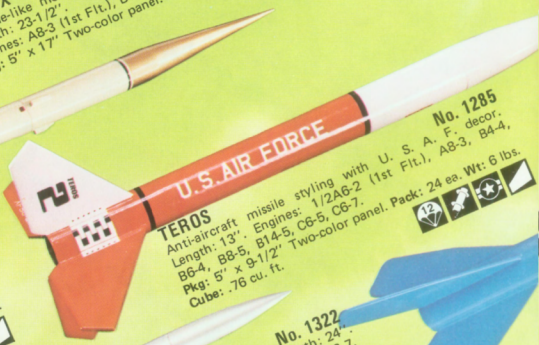
NIKE-X
A scale-like model of U.S. Army's 4th generation surface-to-air missile.
Length: 23 1/2"
Engines: A8-3 (1st Flt.), B4-4, B6-4, B8-5, B14-5, C6-5.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.30 cu. ft.

No. 1270



STILETTO
Scale-like surface-to-surface interceptor missile.
Length: 22-1/2"
Engines: A8-3 (1st Flt.), B4-4, B6-4, B8-5, B14-5, C6-5.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 15 lbs. Cube: 1.30 cu. ft.

No. 1323



TEROS
Anti-aircraft missile styling with U. S. A. F. decor.
Length: 13"
Engines: 1/2A6-2 (1st Flt.), A8-3, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: .76 cu. ft.

No. 1285



DELTA STAR
High performance two-stage payload can attain altitudes over 1,000 feet.
Engines: SINGLE STAGE/ A8-3 (1st Flt.), B4-4, B6-4, B8-5, B8-7, B14-5, C6-5, C6-7, BOOSTER STAGE/ A8-0 (1st Flt.), B6-0, B8-0, C6-0.
Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 12 lbs. Cube: 1.30 cu. ft.

No. 1322



MAXI ALPHA-3
Very easy-to-assemble, "D" engine powered demonstration model. Features red plastic nose cone and fin-unit. No painting required!
Length: 33-1/4"
Engines: D12-3
Pkg: 7-3/4" x 14-1/2" Full-color panel. Pack: 12 ea. Wt: 15 lbs. Cube: 5.60 cu. ft.

No. 1321



RUSSIAN SS-1C SCUD-B
Scale model of Russian medium range surface-to-surface missile.
Length: 21-3/4"
Engines: B4-2, B4-4, B6-4 (1st Flt.), B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.

No. 1340

NEW!



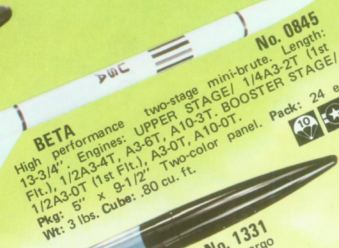
STELLAR FORCES SKY TRACER
Interplanetary fighter craft.
Length: 13"
Engines: A8-3 (1st Flt.), B4-4, B6-4, B8-5, C5-3, C6-5.
Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.

No. 1361



PATRIOT
Impressive demonstration sport model with spectacular "All-American" red, white and blue decor.
Length: 26"
Engines: B4-2 (1st Flt.), B4-4, B6-2, B6-4, B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.30 cu. ft.

No. 0852



BETA
High performance two-stage mini-tube.
Length: 13-3/4"
Engines: UPPER STAGE/ 1/A3-2T (1st Flt.), 1/2A3-4T, A3-5T, A10-3T, BOOSTER STAGE/ 1/2A3-0T (1st Flt.), A3-0T, A10-0T.
Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 3 lbs. Cube: .80 cu. ft.

No. 0845



SKYBOLT
High performance "D" engine powered sport model with 90° long streamer recovery. Flies over 1,000 feet.
Length: 23"
Engines: D11-9, D12-7 (1st Flt.).
Pkg: 5" x 18-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.28 cu. ft.

No. 1334



BLUE BIRD ZERO
Experimental sounding rocket design. Over 3 feet long.
Length: 39-3/4"
Engines: B4-2, B4-4, B6-2, B6-4 (1st Flt.), B8-5, B14-5, C6-5, C6-7.
Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.

No. 1335



COBRA-1500
Super long sport flyer can attain altitudes over 700 feet.
Length: 59"
Engines: B4-2, B4-4 (1st Flt.), B6-2, B6-4, B8-5, B14-5, C6-5.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 12 lbs. Cube: 2.28 cu. ft.

No. 1294

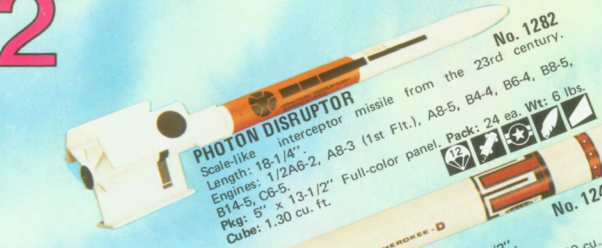


VIGILANTE
High performance two-stage model. Can attain altitudes over 1,100 feet.
Length: 26-1/2"
Engines: UPPER STAGE/ 1/2A6-4, A8-5 (1st Flt.), B4-6, B6-6, B8-7, B14-7, C6-7, BOOSTER STAGE/ 1/2A6-0, A8-0 (1st Flt.), B6-0, B8-0, B14-0, C6-0.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 1.77 cu. ft.

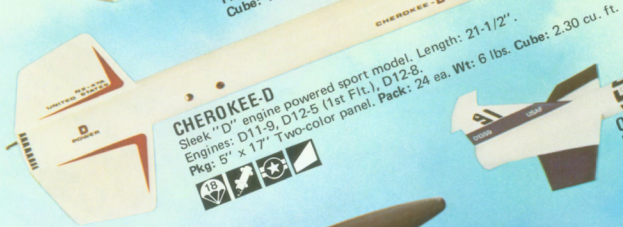
No. 1278

Nearly 5 Feet Long!

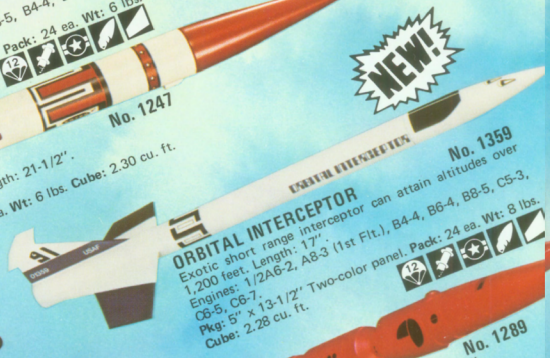
Nearly 3 Feet Tall!



No. 1282
PHOTON DISRUPTOR
 Scale-like interceptor missile from the 23rd century.
 Length: 18-1/4"
 Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5.
 Pkg: 5" x 13-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



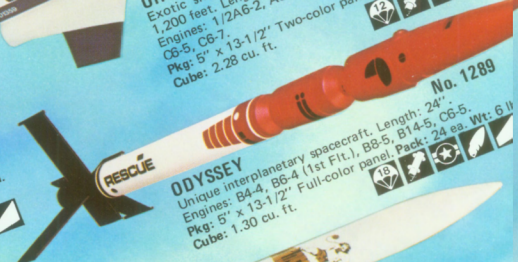
No. 1247
CHEROKEE-D
 Sleek "D" engine powered sport model. Length: 21-1/2".
 Engines: D11-9, D12-5 (1st Fit.), D12-8.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.30 cu. ft.



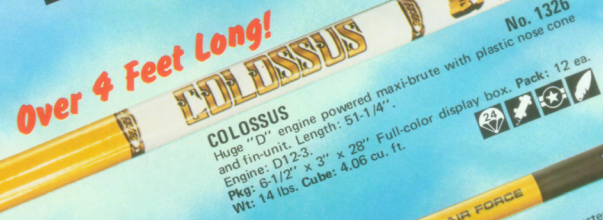
No. 1359
ORBITAL INTERCEPTOR
 Exotic short range interceptor can attain altitudes over 1,200 feet. Length: 17".
 Engines: 1/2A6-2, A8-3 (1st Fit.), B4-4, B6-4, B8-5, C5-3, C6-5, C6-7.
 Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.



No. 0651
RED MAX
 Unique, super-fun sport model. Length: 16-1/4".
 Engines: B4-2 (1st Fit.), B4-4, B6-2, B6-4, B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 13-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



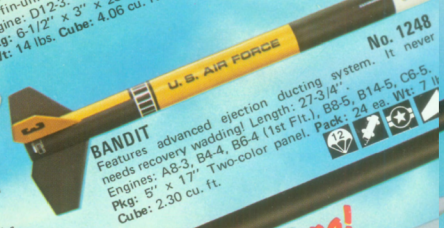
No. 1289
ODYSSEY
 Unique interplanetary spacecraft. Length: 24".
 Engines: B4-4, B6-4 (1st Fit.), B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 13-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



Over 4 Feet Long!
No. 1326
COLOSSUS
 Huge "D" engine powered maxi-brute with plastic nose cone and fin-unit. Length: 51-1/4".
 Engine: D12-3.
 Pkg: 6-1/2" x 3" x 28" Full-color display box. Pack: 12 ea. Wt: 14 lbs. Cube: 4.06 cu. ft.



No. 1366
STAR SPEEDER
 Futuristic galactic fighter. Can attain altitudes over 800 feet. Length: 13-3/4".
 Engines: A8-3 (1st Fit.), B4-4, B6-4, B8-5, C6-5.
 Pkg: 5" x 13-1/2" Full-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.

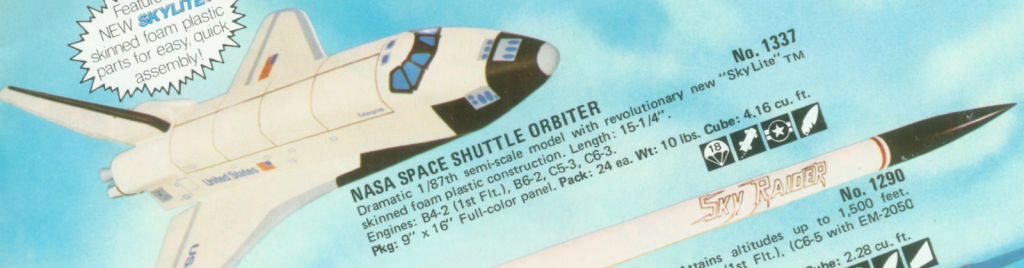


No. 1248
BANDIT
 Features advanced ejection ducting system. It never needs recovery wadding! Length: 27-3/4".
 Engines: A8-3, B4-4, B6-4 (1st Fit.), B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 7 lbs. Cube: 2.30 cu. ft.

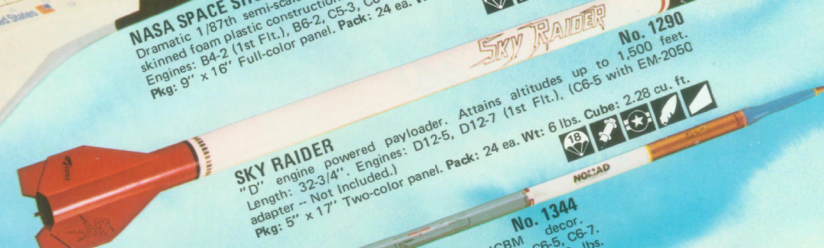


Over 6 Feet Long!
No. 0862
MEAN MACHINE
 Semi-scale mini-brute model of atmospheric sounding projectile. Length: 20-1/2".
 Engines: 1/4A3-2T, 1/2A3-4T (1st Fit.), A3-4T, A10-3T.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.30 cu. ft.

Features NEW SKYLITE skinned foam plastic parts for easy, quick assembly!

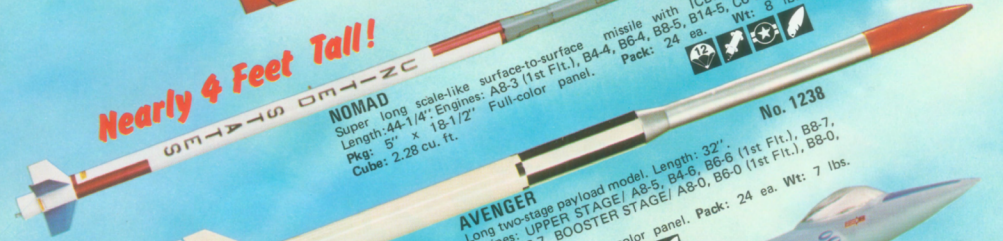


No. 1337
NASA SPACE SHUTTLE ORBITER
 Dramatic 1/87th semi-scale model with revolutionary new "Sky Lite"™ skinned foam plastic construction. Length: 15-1/4".
 Engines: B4-2 (1st Fit.), B6-2, C5-3, C6-3.
 Pkg: 9" x 16" Full-color panel. Pack: 24 ea. Wt: 10 lbs. Cube: 4.16 cu. ft.



No. 1290
SKY RAIDER
 "D" engine powered payload. Attains altitudes up to 1,500 feet. Length: 32-3/4".
 Engines: D12-7 (1st Fit.), C6-5 with EM-2050 adapter - Not Included.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 2.28 cu. ft.

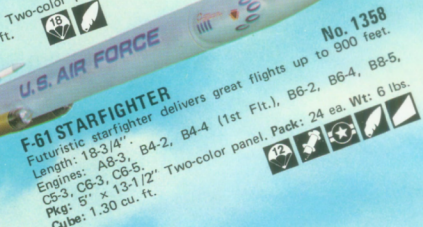
Nearly 4 Feet Tall!




No. 1344
NOMAD
 Super long scale-like surface-to-surface missile with ICBM decor. Length: 44-1/4".
 Engines: A8-3 (1st Fit.), B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.



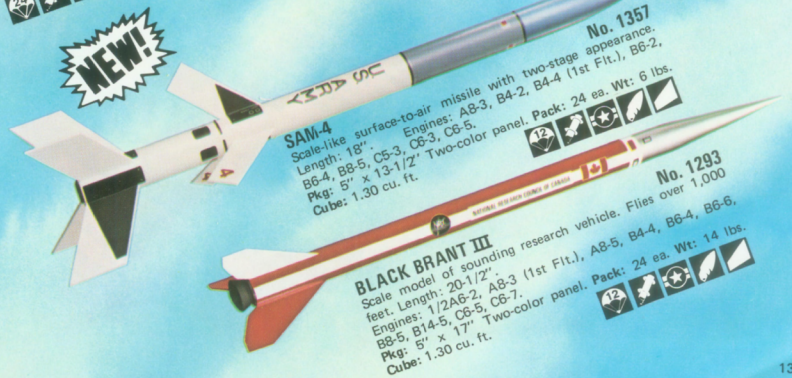
No. 1238
AVENGER
 Long two-stage payload model. Length: 32".
 Engines: UPPER STAGE/ A8-5, B4-6, B6-6 (1st Fit.), B8-7, B14-0, C6-0. BOOSTER STAGE/ A8-0, B6-0 (1st Fit.), B8-0.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 7 lbs. Cube: 2.38 cu. ft.



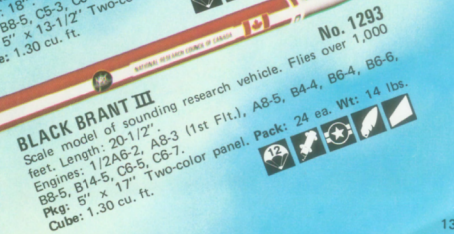
No. 1558
F-61 STARFIGHTER
 Futuristic starfighter delivers great flights up to 900 feet. Length: 18-3/4".
 Engines: A8-3, B4-2, B4-4 (1st Fit.), B6-2, B6-4, B8-5, C5-3, C6-3, C6-5.
 Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



No. 1295
MEAN MACHINE
 Over 6 foot long "D" powered bird delivers spectacular flights over 800 feet. Length: 78-3/4".
 Engine: D12-5.
 Wt: 12 lbs. Cube: 5.60 cu. ft.



No. 1357
SAM-4
 Scale-like surface-to-air missile with two-stage appearance. Length: 18".
 Engines: A8-3, B4-2, B4-4 (1st Fit.), B6-2, B6-4, B8-5, C5-3, C6-3, C6-5.
 Pkg: 5" x 13-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: 1.30 cu. ft.



No. 1293
BLACK BRANT III
 Scale model of sounding research vehicle. Flies over 1,000 feet. Length: 20-1/2".
 Engines: 1/2A6-2, A8-3 (1st Fit.), A8-5, B4-4, B6-4, B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 14 lbs. Cube: 1.30 cu. ft.

NEW!



STARSHIP NOVA
Awesome, intergalactic explorer is perfect for demonstrations and great for display. Length: 18-3/4".
Engines: B4-2 (1st Ft.), B6-2, C6-3, C6-3.
Pkg: 5" x 18-1/2". Full-color panel.
Pack: 24 ea. Wt: 10 lbs.

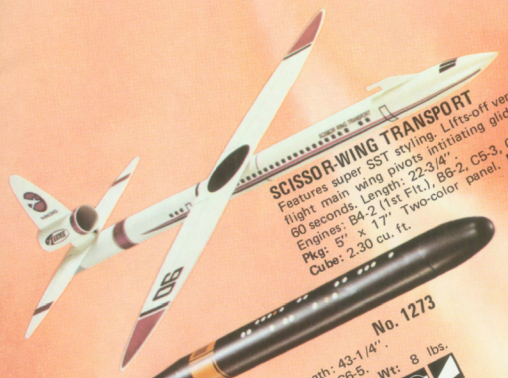
No. 1371



MULTI-ROC
Multi-purpose sport flier featuring large payload section, high performance parasite glider, and two-stage booster.
Length: 24-1/2".
Engines: SINGLE STAGE/ AB-3, B4-4, B6-4, B8-5, B14-5, B14-7, C6-5, UPPER STAGE/ AB-5 (1st Ft.), B4-6, B6-6, B8-7, C6-5, BOOSTER STAGE/ AB-0 (1st Ft.), B6-0, B8-0, C6-0.
Pkg: 5" x 18-1/2". Full-color panel. Pack: 24 ea.
Wt: 15 lbs. Cube: 2.28 cu. ft.

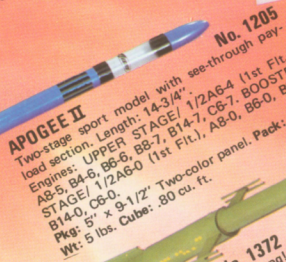
No. 1329

Nearly 4 Feet Long!



SCISSOR-WING TRANSPORT
Features super SST styling. Lifts-off vertically and at peak of flight main wing pivots initiating glide times of more than 60 seconds. Length: 22-3/4".
Engines: B4-2 (1st Ft.), B6-2, C6-3, C6-3.
Pkg: 5" x 17". Two-color panel. Pack: 24 ea. Wt: 8 lbs.
Cube: 2.30 cu. ft.

No. 1265



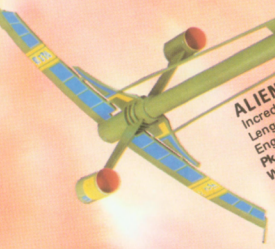
APOGEE II
Two-stage sport model with see-through payload section. Length: 14-3/4".
Engines: UPPER STAGE/ 1/2A6-4 (1st Ft.), AB-5, B4-6, B6-6, B8-7, B14-7, C6-7, BOOSTER STAGE/ 1/2A6-0 (1st Ft.), AB-0, B6-0, B8-0.
Pkg: 5" x 9-1/2". Two-color panel. Pack: 24 ea.
Wt: 5 lbs. Cube: .80 cu. ft.

No. 1205



ALIEN EXPLORER
Incredible alien starship nearly 4 feet long!
Length: 45".
Engines: B6-2, B6-4 (1st Ft.), B8-5, C6-5.
Pkg: 5" x 18-1/2". Full-color panel. Pack: 24 ea.
Wt: 10 lbs. Cube: 2.30 cu. ft.

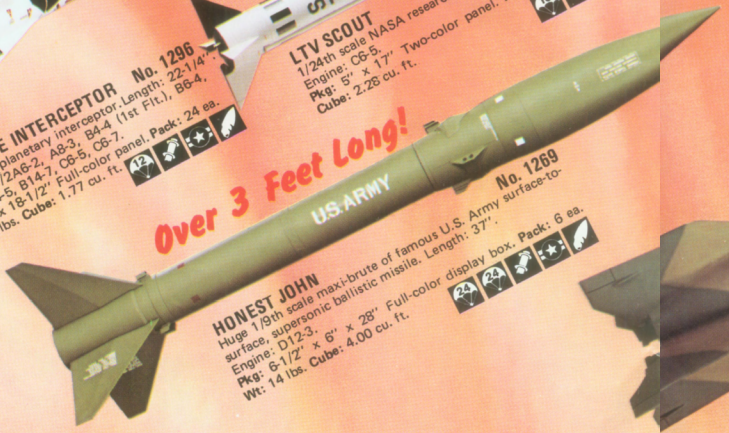
No. 1372



SATELLITE INTERCEPTOR
Exotic interplanetary interceptor. Length: 22-1/4".
Engines: 1/2A6-2, B9-3, B4-4 (1st Ft.), B6-4, B8-5, B14-5, B14-7, C6-5, C6-7.
Pkg: 5" x 18-1/2". Full-color panel. Pack: 24 ea.
Wt: 17 lbs. Cube: 1.77 cu. ft.

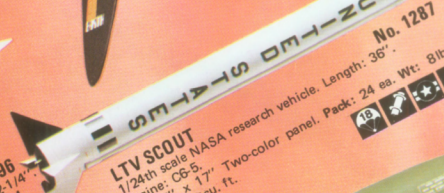
No. 1296

Over 3 Feet Long!



HONEST JOHN
Huge 1/9th scale maxi-brute of famous U.S. Army surface-to-surface, supersonic ballistic missile. Length: 37".
Engine: D12-3.
Pkg: 6-1/2" x 6" x 28". Full-color display box. Pack: 6 ea.
Wt: 14 lbs. Cube: 4.00 cu. ft.

No. 1269



LTV SCOUT
1/24th scale NASA research vehicle. Length: 36".
Engine: C6-3.
Pkg: 5" x 17". Two-color panel. Pack: 24 ea. Wt: 8 lbs.
Cube: 2.28 cu. ft.

No. 1287



GERMAN V-2
Giant 1/19th scale maxi-brute of German World War II ground-to-ground ballistic missile. Length: 33-1/2".
Engine: D12-3.
Pkg: 6-1/2" x 6" x 28". Full-color display box. Pack: 6 ea.
Wt: 14 lbs. Cube: 4.00 cu. ft.

No. 1267

Nearly 3 Feet Tall!



ANDROMEDA
Incredible interplanetary voyager over 43" long.
Engines: B4-2, B4-4, B6-2, B6-4 (1st Ft.), B8-5, B14-5, C6-5.
Pkg: 5" x 18-1/2". Full-color panel. Pack: 24 ea. Wt: 8 lbs.
Cube: 1.77 cu. ft.

No. 1273



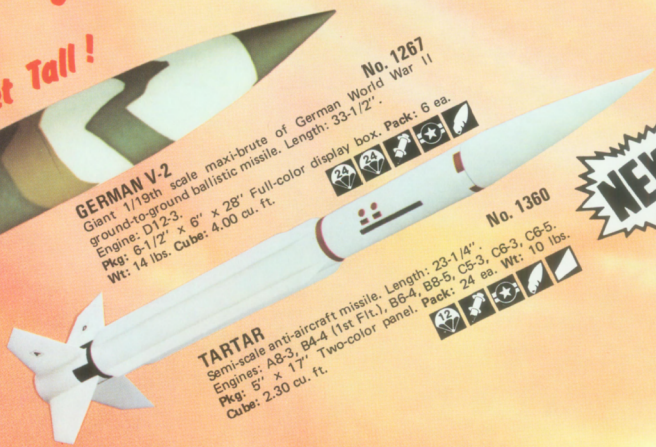
SEA STRIKE "D"
Two-stage "D" engine powered, scale-like ship-to-air missile.
Engines: SINGLE STAGE/ D11-9, D12-5 (1st Ft.), STAGE/ D11-9, D12-7, BOOSTER STAGE/ D12-0.
Pkg: 5" x 18-1/2". Full-color panel. Pack: 24 ea. Wt: 8 lbs.
Cube: 2.28 cu. ft.

No. 1332



PERSHING-1A
GIANT 1/10th scale maxi-brute of U.S. Army's surface-to-surface ballistic missile. Length: 41".
Engine: D12-3.
Pkg: 6-1/2" x 6" x 28". Full-color display box. Pack: 6 ea.
Wt: 14 lbs. Cube: 4.00 cu. ft.

No. 1268

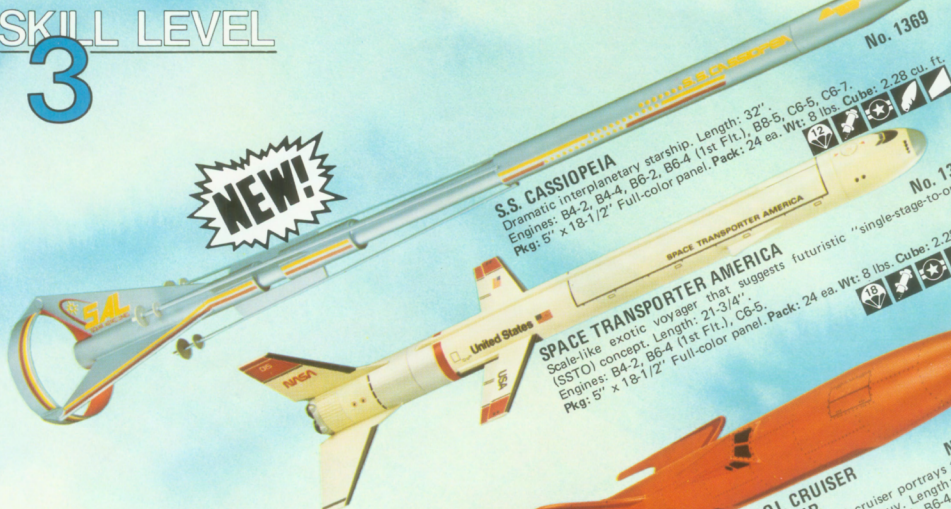


TARTAR
Semi-scale anti-aircraft missile. Length: 23-1/4".
Engines: AB-3, B4-4 (1st Ft.), B6-4, B8-5, C6-3, C6-3.
Pkg: 5" x 17". Two-color panel. Pack: 24 ea. Wt: 10 lbs.
Cube: 2.30 cu. ft.

No. 1360

NEW!

NEW!



No. 1369
S.S. CASSIOPEIA
 Dramatic interplanetary starship. Length: 32".
 Engines: B4-2, B4-4, B6-2, B6-4 (1st Fit.), B8-5, C6-5, C6-7.
 Wt: 8 lbs. Cube: 2.28 cu. ft.

No. 1338
SPACE TRANSPORTER AMERICA
 Scale-like exotic voyager that suggests futuristic "single-stage-to-orbit" (SSTO) concept. Length: 21-3/4".
 Engines: B4-2, B6-4 (1st Fit.), C6-5.
 Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.



No. 1339
PATROL CRUISER EXCALIBUR
 Intergalactic patrol cruiser portrays the nostalgic science fiction good guy. Length: 20-1/8".
 Engines: A8-3, B4-4 (1st Fit.), B6-4, C5-3, C6-3.
 Pkg: 8" x 16" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 5.60 cu. ft.



No. 1345
DRAGONSHIP-7
 Outlaw galactic pirate ship portrays the nostalgic science fiction bad guy. Length: 16-3/4".
 Engines: A8-3, B4-4 (1st Fit.), B6-4, B8-5, B14-5, C6-5.
 Pack: 24 ea. Wt: 10 lbs. Cube: 5.60 cu. ft.

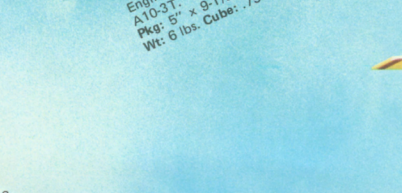


No. 1367
VINDICATOR
 Sleek interplanetary interceptor. Length: 25-1/2".
 Engines: B4-2, B6-2, B6-4 (1st Fit.), B8-5, C5-3, C6-5.
 Pack: 24 ea. Wt: 10 lbs. Cube: 2.30 cu. ft.

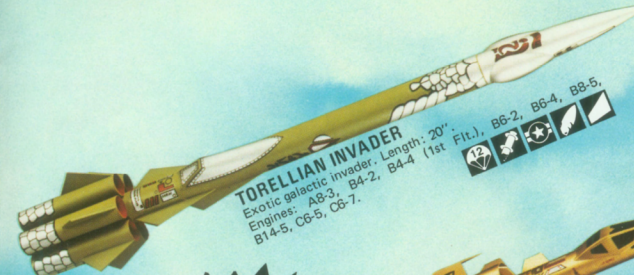
NEW!



No. 0863
ESTES STARLINER
 Futuristic mini-brute features commercial space transport styling. Length: 12-1/2".
 Engines: 1/2A3-2T (1st Fit.), A3-2T, A3-4T, A10-3T.
 Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 6 lbs. Cube: .75 cu. ft.



No. 1255
GOBLIN
 High performance "D" powered sport model reaches altitudes over 1,500 feet and returns via long tracking streamer. Length: 14-1/4".
 Engines: D11-9, D12-7 (1st Fit.), A8-3, B4-4, B6-4, B8-5, B14-5, C6-5, and C8-7 with adapter EM-2050, not included.
 Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 5 lbs. Cube: 1.30 cu. ft.

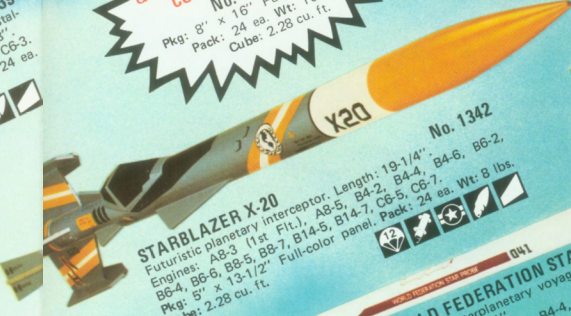


No. 1341
TORELLIAN INVADER
 Exotic galactic invader. Length: 20".
 Engines: A8-3, B4-2, B4-4 (1st Fit.), B6-2, B6-4, B8-5, B14-5, C6-5, C6-7.

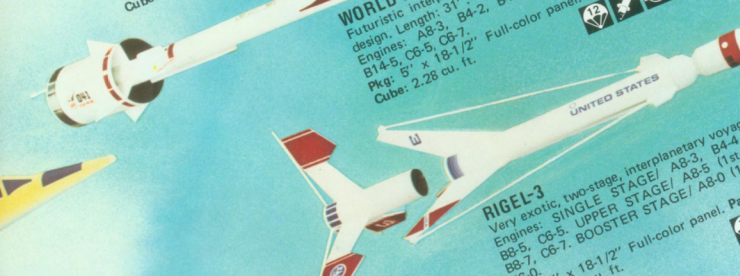
ORION STARFIGHTER & TORELLIAN INVADER COMBINATION KIT
No. 1343
 Pkg: 8" x 16" Full-color panel. Pack: 24 ea. Wt: 10 lbs. Cube: 2.28 cu. ft.



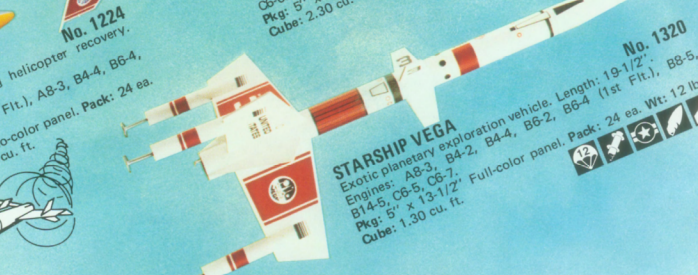
No. 1249
ORION STARFIGHTER
 Interplanetary starfighter. Length: 20-1/4".
 Engines: A8-3, B4-2, B4-4 (1st Fit.), B6-2, B6-4, B8-5, B14-5, C6-5, C6-7.



No. 1342
STARBLAZER X-20
 Futuristic planetary interceptor. Length: 19-1/4".
 Engines: A8-3 (1st Fit.), A8-5, B4-2, B4-4, B4-6, B6-2, B6-4, B8-5, B8-7, B14-5, B14-7, C6-5, C6-7.
 Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.

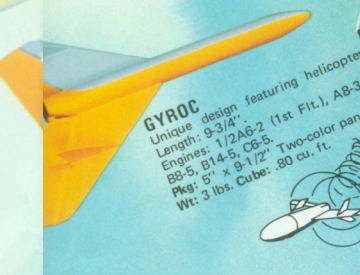


No. 1341
WORLD FEDERATION STAR PROBE
 Futuristic interplanetary voyager with advanced "Loop-Fin" design. Length: 31".
 Engines: A8-3, B4-2, B4-4, B6-2, B6-4 (1st Fit.), B8-5, B14-5, C6-5, C6-7.
 Pkg: 5" x 18-1/2" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.28 cu. ft.

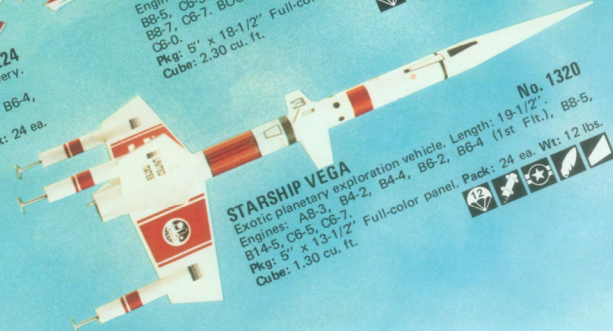


No. 1363
RIGEL-3
 Very exotic, two-stage, interplanetary voyager. Length: 28-1/2".
 Engines: SINGLE STAGE/ A8-3, B4-4, B6-4 (1st Fit.), B8-5, C6-5. UPPER STAGE/ A8-5 (1st Fit.), B4-6, B6-6, C6-0. BOOSTER STAGE/ A8-0 (1st Fit.), B6-0, B8-0.
 Full-color panel. Pack: 24 ea. Wt: 10 lbs. Cube: 2.30 cu. ft.

NEW!



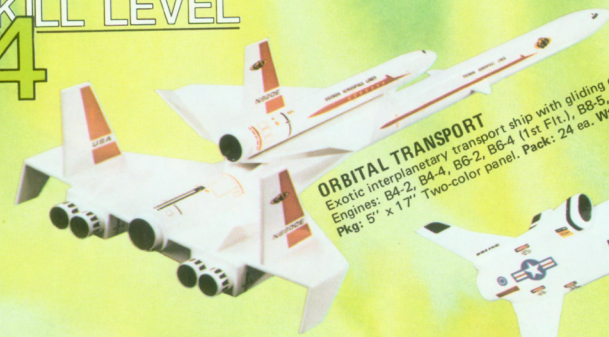
No. 1224
GYROCOPTOR
 Unique design featuring helicopter recovery. Length: 9-3/4".
 Engines: 1/2A6-2 (1st Fit.), A8-3, B4-4, B6-4, B8-5, B14-5, C6-5.
 Pkg: 5" x 9-1/2" Two-color panel. Pack: 24 ea. Wt: 3 lbs. Cube: .80 cu. ft.



No. 1320
STARSHIP VEGA
 Exotic planetary exploration vehicle. Length: 19-1/2".
 Engines: A8-3, B4-2, B4-4, B6-2, B6-4 (1st Fit.), B8-5, B14-5, C6-5, C6-7.
 Full-color panel. Pack: 24 ea. Wt: 12 lbs. Cube: 1.30 cu. ft.

SKILL LEVEL

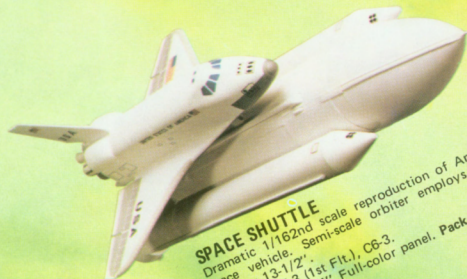
4



ORBITAL TRANSPORT
Exotic interplanetary transport ship with gliding orbiter.
Engines: B4-2, B4-4, B6-2, B6-4 (1st Flt.), B8-5, B14-5, C6-5.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.30 cu. ft.



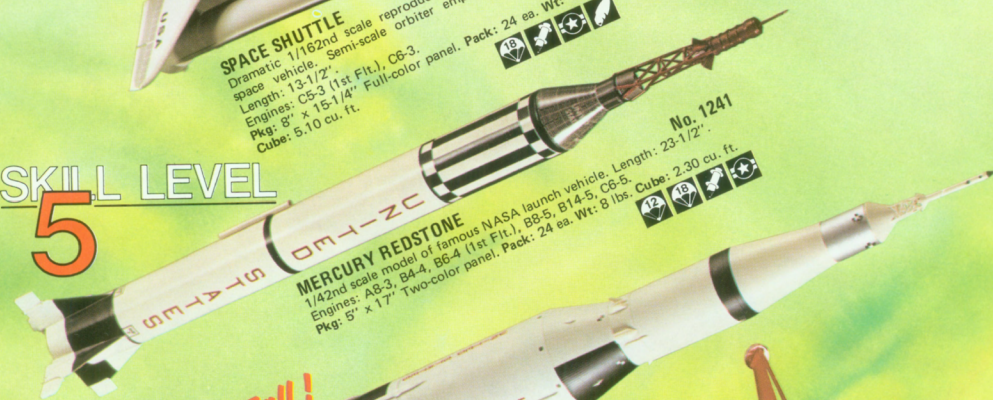
BOEING A.L.C.M. CRUISE MISSILE
Near scale version of America's newest weapon system.
Length: 12-1/4".
Engines: A8-3, B4-4 (1st Flt.), B6-4, B8-5, B14-5, C6-5.
Pkg: 8" x 16" Full-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 5.60 cu. ft.



SPACE SHUTTLE
Dramatic 1/162nd scale reproduction of America's newest space vehicle. Semi-scale orbiter employs glide recovery.
Length: 13-1/2".
Engines: C5-3 (1st Flt.), C6-3.
Pkg: 8" x 16-1/4" Full-color panel. Pack: 24 ea. Wt: 10 lbs. Cube: 5.10 cu. ft.

SKILL LEVEL

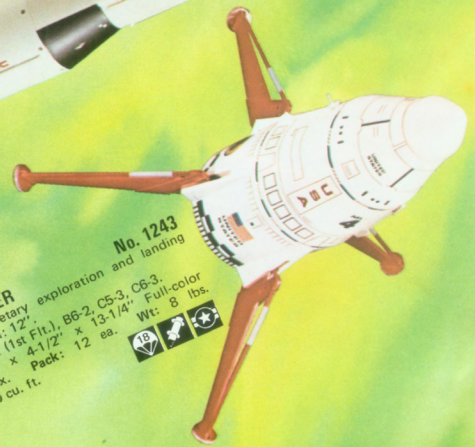
5



MERCURY REDSTONE
1/42nd scale model of famous NASA launch vehicle.
Engines: A8-3, B4-4, B6-4 (1st Flt.), B8-5, B14-5, C6-5.
Pkg: 5" x 17" Two-color panel. Pack: 24 ea. Wt: 8 lbs. Cube: 2.30 cu. ft.



SATURN V MOON ROCKET
1/100th scale reproduction of the world's most famous rocket. Features detailed Apollo capsule with escape tower.
Length: 43-1/2".
Engines: May be flown as a 3 engine cluster or single engine. Cluster power: C5-3 or C6-3 (3 required). "D" power: D12-3 (1 required).
Pkg: 8" x 5-1/2" x 16-1/2" Full-color display box. Pack: 6 ea. Wt: 17 lbs. Cube: 2.70 cu. ft.



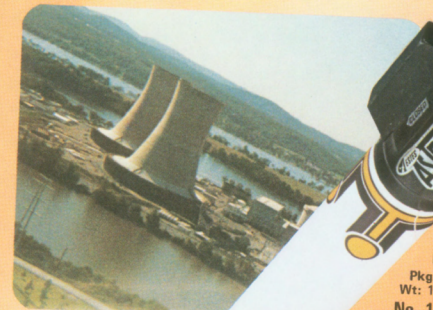
MARS LANDER
Futuristic planetary exploration vehicle.
Length: 12".
Engines: B4-2 (1st Flt.), B6-2, C5-3, C6-3.
Pkg: 5-1/4" x 4-1/2" Full-color display box. Pack: 12 ea. Wt: 8 lbs. Cube: 2.30 cu. ft.

SKILL LEVEL

2

ESTES ASTROCAM 110™

Aerial Camera with Delta II Launch Vehicle



Actual "AstroCam 110" photo of Three Mile Island Facility, Middletown, Pa. Taken by Scott Pearce, Westchester, PA.

Designed to take dramatic full-color photographs from hundreds of feet in the sky! Uses high speed Kodak Kodacolor 110 color print film, ASA 400 or equivalent. Rocket and camera are easy-to-assemble with plastic camera parts and fin-unit. No painting required with white body tube and special kit decals. (Launch system, engines, glue, and film are not included.)
Camera takes one full-color 110 photo per flight as rocket reaches peak of flight. Returns to Earth via 12" recovery parachute. Length: 19".
Engines: B8-5, B8-7, B14-5, B14-7, C6-5, C6-7 (1st Flt.).
Pkg: 7" x 2-1/2" x 14" Full-color display box. Pack: 12 ea. Wt: 14 lbs. Cube: 1.90 cu. ft.



Takes Incredible "Color" Photos From Hundreds of Feet In The Sky!

Camera Specifications:
Length: 6.5" (16.5 cm)
Dia: 1.39" (35.3 mm)
Wt: 1.36 oz. (38.5 g) (Without film)
Wt: 1.76 oz. (50 g) (With film)

ESTES ASTROCAM 110™

AERIAL CAMERA MODEL ROCKETRY OUTFIT

With Delta II Launch Vehicle

Features AstroCam 110, model rocketry's most advanced aerial camera. Shoots sharp, clear color 110 photos from apex of rocket's flight. Easy-to-assemble and operate. Delta II Launch Vehicle gives reliable flights every time. No painting required - all parts are pre-colored and two-color kit decal is included.
Big Foot Launch System is versatile and provides maximum launch pad stability. (Requires four "D" size alkaline batteries - Not included.) Includes three C6-7 high performance model rocket engines plus Solar Igniters, recovery wadding, and Mini-Alpha Book of Model Rocketry.
Engines: B8-5, B8-7, B14-5, B14-7, C6-5, C6-7 (1st Flt.).
Pkg: 16" x 3" x 12" Full-color display box. Pack: 6 ea. Wt: 14 lbs. Cube: 8.8 cu. ft.



Actual "AstroCam 110" photo of Johnson Space Center, Houston, TX.

Film and Developing Available Locally!

Altitrak™
Altitude Finder

Tracks rocket to the top of its flight and instantly locks in altitude. Displays exact model rocket altitude on metric scale — no guessing! (Conversion table included for feet.) A precision instrument

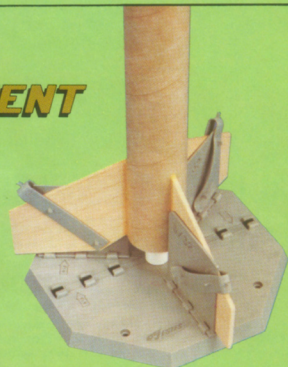
made of durable plastic. Easy-to-assemble and looks like futuristic laser pistol. Pkg: 7-1/4" x 12-1/2" Two-color panel. Pack: 24 ea. Wt: 14 lbs. Cube: 2.28 cu. ft.

No. 2232

HOW HIGH DID IT GO?

ESTES **FIN ALIGNMENT GUIDE**

Positions fins quickly for easy gluing. Fits body tubes up to BT-101. Designed for either 3 or 4 finned rockets, aligning fins at 90° or 120° to each other. Easily assembled with slip-together plastic parts. Adjusts quickly with plastic fin position clips. Pkg: 7-1/4" x 12-1/2" Two-color panel. Pack: 24 ea. Wt: 12 lbs. Cube: 1.30 cu. ft.



Designer's Special

Ideal parts assortment for the creative rocketeer. Over 75 pieces at an excellent savings! Pkg: 7-1/4" x 3" x 18" Three-color display box. Pack: 12 ea. Wt: 16 lbs. Cube: 4.06 cu. ft.



- | | |
|---------------------|--------------------------------|
| Body Tubes | Recovery Equipment |
| 2 BT-5 | 3 Shock Cord 1/8" x 18" |
| 2 BT-20 | 1 Shock Cord 1/8" x 36" |
| 2 BT-50 | 1 Shock Cord 1/4" x 36" |
| 1 BT-55 | 1 Streamer Material 1" x 30" |
| 1 BT-60 | 6 Screw Eyes |
| Nose Cones | Miscellaneous |
| 1 BNC-5E | 3 Engine Blocks (EB-20A) |
| 1 BNC-5S | 3 Engine Holders (EH-3) |
| 1 BNC-20B | 3 Engine Holders (EH-2) |
| 1 BNC-20R | 1 Engine Mount (EH-2050) |
| 1 PNC-50K | 1 Engine Mount (EH-2060) |
| 1 PNC-50Y | 1 Nose Block (NB-20) |
| 1 PNC-55AC | 1 Nose Block (NB-50) |
| 1 PNC-60L | 1 Stage Coupler (JT-60C) |
| Fin Material | 1 Stage Coupler (JT-55C) |
| 2 BFS-20 | 1 Multi-Purpose Paper |
| 2 BFS-30 | 1 Adapter Set (TA-1) |
| 2 BFS-40 | 12 Launch Lugs (2-3/8" long) |
| Parachutes | 1 Alpha Book of Model Rocketry |
| 1 PK-8 | 1 Fin Pattern Sheet No. 2 |
| 2 PK-12 | 1 Fin Pattern Sheet No. 3 |
| 1 PK-18 | |
| 1 PK-24 | |

No. 1463

estes aerospace CLUB membership kit

Membership in the Estes Aerospace Club opens up a whole new world of model rocket activities for the active rocketeer. The EAC Thrust Bar Achievement Program awards members with iron-on thrust bars & achievement certificates as they progress from one skill level to the next.

INCLUDES: Viper Rocket, Membership Certificate, Club Emblem, Decal Sheet, Range Box Stickers, EAC Stationery, Model Rocketry Technical Manual, and Copy of Model Rocket News.

ATTENTION RETAILERS: Skill Level Advancement Is Based On Proof Of Kits Built Which Means More On-Going Sales For You!

Pkg: 5-3/4" x 2-1/2" x 15-1/2" Full-color display box. Pack: 12 ea. Wt: 9 lbs. Cube: 2.21 cu. ft.

No. 1447



RETAILER'S PARTS ASSORTMENT

This special assortment combines the most popular Estes parts into a super special offer for retailers. A savings of over 38% on Estes body tubes, nose cones and other rocketry supplies. Here's an easy and inexpensive way to stock up on these asked-for rocketry products. ORDER NOW! Pack: 1 ea. Wt: 6 lbs. Cube: 1.94 cu. ft.

Quan.	Prod. #	Description
12	3070	BT-5 Body Tubes
12	3072	BT-20 Body Tubes
12	3073	BT-50 Body Tubes
12	3074	BT-55 Body Tubes
6	3075	BT-60 Body Tubes
6	8005	BNC-20B Nose Cones
9	8000	BNC-5E Nose Cones
3	8006	BNC-20N Nose Cones
6	8009	BNC-50K Nose Cones
3	8010	BNC-50X Nose Cones
3	8014	BNC-55F Nose Cones
6	8013	BNC-55AC Nose Cones
3	8021	PNC-60AH Nose Cones
12	2264	PK-12 Parachutes
6	2267	PK-18 Parachutes
12	2276	SC-1 Shock Cord
6	2322	LL-2B Launch Lugs
6	3131	EB-20A Engine Blocks
6	3150	EH-2050 Engine Mounts
6	3151	EH-2055 Engine Mounts
6	3152	EH-2060 Engine Mounts
6	3153	EM-520 Mini Engine Adapter

No. 2242

Big Foot™ MODEL ROCKET LAUNCH CONTROL SYSTEM

"Designed for the Big Ones!"

The Estes Big Foot launch control system is capable of launching all Estes models including Maxi-Brutes. Futuristically designed launch platform features rugged plastic construction and enormous "two-footprint" for maximum launch pad stability. Includes blast deflector plate, 1/8" x 36" two-piece launch rod, adjustable swivel mount to compensate for wind direction which is adaptable to either 1/8" or 3/16" launch rods, and has legs which remove easily for compact storage. This launch control unit is engineered for simple, quick assembly and features safety key, continuity check light, ignition button and 15 feet of launch cable. (Uses 4 alkaline type, "D" cell batteries and Estes Solar Igniters #2301 — Not Included.) Pkg: 6-1/4" x 2-1/2" x 18-1/4" Three-color display box. Pack: 12 ea. Wt: 24 lbs. Cube: 1.70 cu. ft.

PORTA-PAD LAUNCH PAD

Space-age designed Porta-Pad is rugged enough to take the stress of countless launchings, yet is lightweight and compact enough for easy carrying and storage. Strong, girder construction. Orange plastic legs snap-off for storage in range box. Accommodates standard 1/8" rod (#2234) or heavy-duty 3/16" Maxi-Rod (#2239). Tilt adjustment compensates for wind direction.

Pkg: 5" x 16-1/2" Two-color panel. Pack: 24 ea. Wt: 20 lbs. Cube: 1.77 cu. ft.



SOLAR LAUNCH CONTROLLER MODEL ROCKETRY'S MOST ADVANCED LAUNCH SYSTEM

This Solar Launch Control System should be standard equipment in every range box. This futuristically designed launch control unit requires only 4 alkaline type "AA" size batteries for power. Advanced shape allows for perfect hand-held control. Unit is easily assembled in minutes and features safety key, continuity check lamp, ignition button, and 15 feet of lightweight launch cable. System is constructed of durable "non-breakable" plastic. Micro-clips are pre-soldered. Use with Estes Solar Igniters (#2301). (Batteries not included.) Pkg: 4" x 1-1/2" x 8" Three-color display box. Pack: 12 ea. Wt: 4 lbs. Cube: .30 cu. ft.



Astron Launch Control System

Heavy-Duty Launch Controller features futuristic design and provides greater reliability with simplified assembly. Bright orange plastic controller gives realistic ignition system appearance. Recommended for 6 or 12 volt power sources. No need to remove battery from car, simply connect launch system's battery clips to terminals. Features include arming lamp, safety key, launch button, battery clips, micro-clips, and 18 feet of launch cable. Pkg: 5" x 6-1/2" Two-color panel. Pack: 12 ea. Wt: 8 lbs. Cube: .40 cu. ft.

EMERGENCY REPAIR KIT

A must for every range box. Features many essential materials for "on-the-spot" repair of model rockets. Pkg: 6" x 8-1/2" Two-color display bag. Pack: 48 ea. Wt: 12 lbs. Cube: .50 cu. ft.

INCLUDES:

Sandpaper	Recloseable Pouch	Tape Discs
Screw Eyes	Recovery Wadding	Launch Lugs
White Glue Packet	12" Parachute	Shock Cord Mounts
Launch Rod Safety Cap	1/8" Shock Cords	
Universal Safety Key	144" Shroud Line	

PARACHUTE KITS

Two-color printed plastic chutes give maximum visibility with easy-track design. Light-weight, durable, and easily folded. These chutes are only 0.0075" thick, allowing the most material to be packed into the least body space. Each kit comes complete with chute material, tape discs, and shroud lines. Pkg: 3-1/4" x 7" Two-color bubble card. Pack: 12 ea. Wt: *

1/8" DIAMETER TWO-PIECE LAUNCH ROD No. 2234

Handy collapsible two-piece rod for portable launchers. Pieces slip together to make a 36" long rod. Base rod has a diameter of 1/8". Pack: 12 ea. Wt: *.

3/16" DIAMETER MAXI-ROD No. 2239

Perfect for launching Maxi-Brute kits and other large rockets. Fits Porta-Pad Tripod (#2217) and Big Foot Launch Pad (#2208). Two-piece construction, 36" long, lightweight aluminum launch rod. Collapsible for easy storage. Pack: 12 ea. Wt: *.

MICRO-CLIPS No. 2247

Spring-loaded solid steel clips connect lead wires to igniters. Easy-to-clean and highly conductive with flat contact surfaces. Only 1.1" long. Attach to leads with or without solder. Pkg: 3-1/4" x 3-1/2" Two-color bubble card. Pack: 12 ea. Wt: *.

BLAST DEFLECTOR PLATE No. 2241

Slip-on metal deflector plate fits any launcher using 1/8" or 3/16" rods. Protects launcher base from rocket blast. Four-inch diameter. Pkg: 5" x 7" plastic bag. Pack: 12 ea. Wt: *.

LAUNCH ROD SAFETY CAP WITH UNIVERSAL SAFETY KEY No. 2205

For Launch Pad Safety. Includes plastic launch rod cap, universal safety key, and elastic cord. (Fits all Estes launch control systems except #0701 & #0715 Starter Kits. Pkg: 4" x 4-1/4" Two-color display bag. Pack: 48 ea. Wt: 4 lbs. Cube: .20 cu. ft.)

*Miscellaneous accessories without MP weights are grouped into one or more boxes and shipping weight varies depending on quantities ordered. Contents are indicated on master pack cartons.



A DAMON COMPANY

FLYING MODEL ROCKET RETAILER ASSORTMENTS

Ideal for
End Cap Displays,
Opening Orders,
and
Spring Lift-off
Promotions.

An Attractive 10" x 27", Three-color, "Flying Model Rocket Department" Display Header Sign Is Included With Each Assortment.

Starter Kit Assortment	No. 2250
Low End Assortment	No. 2251
Basic Assortment	No. 2252
Standard Assortment	No. 2256
Deluxe Assortment	No. 2259

High Performance Model Rocket Engines Standard Engines

Estes standard engines are 2.75 in. (6.99 cm) long and 0.690 in. (1.75 cm) dia. Pkg: Three engines per 3-1/2" x 6-1/2" two-color display bubble card. Pack: 72 ea. Cube: .45 cu. ft.

Prod. No.	Engine Type	M.P.	Wt.
1593	1/2A6-2	9	lbs.
1594	1/2A6-4	9	lbs.
1598	A8-3	10	lbs.
1599	A8-5	10	lbs.
1600	A8-0	8	lbs.
1601	B4-2	11	lbs.
1602	B4-4	11	lbs.
1604	B4-6	12	lbs.
1605	B6-2	11	lbs.
1606	B6-4	11	lbs.
1607	B6-6	11	lbs.
1608	B6-0	10	lbs.
1613	C6-3	13	lbs.
1614	C6-5	14	lbs.
1615	C6-7	14	lbs.
1616	C6-0	12	lbs.
1617	C5-3	12	lbs.
1620	B8-5	12	lbs.
1621	B8-7	12	lbs.
1622	B8-0	12	lbs.



Mighty "D" Engines

Estes "D" engines are 2.75 in. (6.99 cm) long and 0.945 in. (2.40 cm) dia. Pkg: Three engines per 4" x 6-1/2" two-color display bubble card. Pack: 72 ea. Cube: .84 cu. ft.

Prod. No.	Engine Type	M.P.	Wt.
1665	D12-0	24	lbs.
1666	D12-3	24	lbs.
1667	D12-5	24	lbs.
1668	D12-7	25	lbs.
1669	D11-9	24	lbs.

Mini-Engines

Estes mini-engines are 1.75 in. (4.45 cm) long and .500 in. (1.27 cm) dia. Pkg: Four engines per 3-1/2" x 6-1/2" two-color display bubble card. Pack: 72 ea. Cube: .33 cu. ft.

Prod. No.	Engine Type	M.P.	Wt.
1500	1/4A3-2T	5	lbs.
1501	1/4A3-4T	5	lbs.
1503	1/2A3-2T	5	lbs.
1504	1/2A3-4T	6	lbs.
1505	1/2A3-0T	5	lbs.
1506	A3-2T	6	lbs.
1507	A3-4T	7	lbs.
1508	A3-6T	7	lbs.
1509	A3-0T	6	lbs.
1510	A10-0T	7	lbs.
1511	A10-3T	6	lbs.



ESTES LOW END ASSORTMENT No. 2251
Includes: 12 starter outfits, 98 rocket kits, 48 pkgs. engines, 3 launch systems, 3 launch pads, 12 pkgs. igniters, and 12 pkgs. recovery wadding.

Qty.	No.	Description
8	1406	Alpha III Starter Kit
4	1416	Challenger-I Starter Kit
6	0801	Mosquito Model Rocket
6	0802	Screamer Model Rocket
6	0846	Eclipse Model Rocket
6	0860	Star Dart Model Rocket
6	0861	SARX Model Rocket
6	1201	Scout Model Rocket
6	1202	Mark II Model Rocket
6	1256	Alpha III Model Rocket
6	1276	Antares Model Rocket
6	1286	Scamp Model Rocket
6	1292	Wizard Model Rocket
4	1323	Stiletto Model Rocket
4	1324	Polaris Model Rocket
4	1325	Gamma Model Rocket
6	1328	Kadet Model Rocket
6	1356	AstroBee Model Rocket
6	1357	SAM-4 Model Rocket
4	1358	F-61 Starfighter Model Rocket
12	1504	1/2A3-4T Model Rocket Engines
12	1598	A8-3 Model Rocket Engines
12	1606	B6-4 Model Rocket Engines
12	1614	C6-5 Model Rocket Engines
3	2300	Solar Launch Controller
3	2217	Porta-Pad Launch Pad
12	2301	Solar Igniters
12	2274	Recovery Wadding

Size: 48" wide x 19" deep x 50" high (60" w/sign)
Pack: 1 ea. Wt: 46 lbs. Cube: 7.86 cu. ft. (2 boxes)



ESTES BASIC ASSORTMENT No. 2253
Includes: 8 starter outfits, 20 rocket kits, 20 pkgs. engines, 3 launch systems, 3 launch pads, 12 pkgs. igniters, and 12 pkgs. recovery wadding.

Qty.	No.	Description
4	1406	Alpha III Starter Kit
4	1416	Challenger-I Starter Kit
4	1201	Scout Model Rocket
3	1223	Big Bertha Model Rocket
3	1225	Alpha Model Rocket
3	1296	Satellite Interceptor Model Rocket
3	1335	Blue Bird Zero Model Rocket
3	1341	Star Probe Model Rocket
4	1598	A8-3 Model Rocket Engines
4	1602	B4-4 Model Rocket Engines
4	1606	B6-4 Model Rocket Engines
4	1614	C6-5 Model Rocket Engines
4	1615	C6-7 Model Rocket Engines
3	2300	Solar Launch Controller
3	2217	Porta-Pad Launch Pad
12	2301	Solar Igniters
12	2274	Recovery Wadding

Size: 30" wide x 19" deep x 40" high (52" high with sign)
Pack: 1 ea. Wt: 24 lbs. Cube: 5.56 cu. ft. (1 box)

Ideal Beginning Inventory!



ESTES STANDARD ASSORTMENT No. 2256
Includes: 12 starter outfits, 81 rocket kits, 40 pkgs. engines, 3 launch systems, 3 launch pads, 12 pkgs. igniters and 12 pkgs. recovery wadding.

Qty.	No.	Description
4	1406	Alpha III Starter Kit
4	1416	Challenger-I Starter Kit
3	0652	Patriot Model Rocket
3	1223	Big Bertha Model Rocket
12	1292	Wizard Model Rocket
3	1293	Black Brant III Model Rocket
3	1296	Satellite Interceptor Model Rocket
12	1328	Kadet Model Rocket
3	1335	Blue Bird Zero Model Rocket
3	1340	SS-1C Scud B Model Rocket
3	1344	Nomad Model Rocket
12	1355	Spin Fin Model Rocket
12	1356	AstroBee Model Rocket
8	1593	1/2A6-2 Model Rocket Engines
8	1598	A8-3 Model Rocket Engines
8	1602	B4-4 Model Rocket Engines
8	1606	B6-4 Model Rocket Engines
8	1614	C6-5 Model Rocket Engines
3	2300	Solar Launch Controller
3	2217	Porta-Pad Launch Pad
12	2301	Solar Igniters
12	2274	Recovery Wadding

Size: 48" wide x 19" deep x 48" high (60" high with sign)
Pack: 1 ea. Wt: 45 lbs. Cube: 11.12 cu. ft. (2 boxes)



ESTES DELUXE ASSORTMENT No. 2259
Includes: 18 starter outfits, 58 rocket kits, 40 pkgs. engines, 4 launch systems, 4 launch pads, 12 pkgs. igniters, and 12 pkgs. recovery wadding.

Qty.	No.	Description
6	0715	X-15 Starter Outfit
6	1403	Big Red Max Starter Kit
6	1406	Alpha III Starter Kit
4	0652	Patriot Model Rocket
4	1223	Big Bertha Model Rocket
6	1225	Alpha Model Rocket
4	1273	Andromeda Model Rocket
6	1276	Antares Model Rocket
4	1289	Odyssey Model Rocket
6	1292	Wizard Model Rocket
4	1296	Satellite Interceptor Model Rocket
6	1320	Starship Vega Model Rocket
6	1328	Kadet Model Rocket
4	1341	Star Probe Model Rocket
4	1344	Nomad Model Rocket
8	1598	A8-3 Model Rocket Engines
8	1602	B4-4 Model Rocket Engines
8	1606	B6-4 Model Rocket Engines
8	1614	C6-5 Model Rocket Engines
8	1615	C6-7 Model Rocket Engines
4	2300	Solar Launch Controller
4	2217	Porta-Pad Launch Pad
12	2301	Solar Igniters
12	2274	Recovery Wadding

Size: 53" wide x 19" deep x 56" high (66" high with sign)
Pack: 1 ea. Wt: 64 lbs. Cube: 14.00 cu. ft. (3 boxes)

IMPORTANT

ALL THE ROCKETS SHOWN IN THIS CATALOG CAN BE FLOWN OVER AND OVER AGAIN. A NEW ENGINE, IGNITER, AND RECOVERY WADDING ARE REQUIRED FOR EACH NEW FLIGHT.



ASTRON IGNITERS No. 2255
Recommended for launch systems using 6 or 12 volt car batteries or 12 volt lantern batteries. (Patent No. 3,363,559). *Not recommended for Solar Launch Controller (#2300) or Big Foot Launch Control System (#2208).* Pkg: 3-1/4" x 3-1/2" Two-color display card. Pack: 144 ea. Wt: 2 lbs. Cube: .84 cu. ft.

SOLAR IGNITERS No. 2301
Increased reliability at lift-off. High performance Solar Igniter is designed especially for the Solar Launch Controller (#2300) and Big Foot Launch Control System (#2208). Features easy engine installation and is suitable for all Estes launch control systems. Unique four element design makes it the most dependable igniter made. Pkg: 3" x 6" Two-color display bag. Pack: 144 ea. Wt: 2 lbs. Cube: .10 cu. ft.

PARACHUTE RECOVERY WADDING No. 2274
Provides protection from hot ejection gases for parachutes and streamers. Each package contains approximately 75 - 4-1/2" squares - enough wadding for up to 25 flights. Pkg: 5-1/4" x 8-1/2" Two-color display bag. Pack: 144 ea. Wt: 10 lbs. Cube: 1.30 cu. ft.



-Photo by David Brownell

ESTES STARTER KIT ASSORTMENT No. 2250
Includes: 33 starter outfits.

Qty.	No.	Description
9	0715	X-15 Starter Kit
12	1406	Alpha III Starter Kit
12	1416	Challenger-1 Starter Kit

Size: 50" wide x 19" deep x 40" high (52" high with sign).

Pack: 1 ea. Wt: 59 lbs. Cube: 13.78 cu. ft. (3 boxes)

Not Available In Canada.



Blast-Off Flight Pak

Perfect retail engine assortment for the active rocketeer. Priced at an excellent savings. Features 24 of the most popular Estes Model Rocket Engines, plus Solar Igniters and Parachute Recovery Wadding.

Includes: Six 1/2A6-2, Six A8-3, Six B6-4, and Six C6-5 Model Rocket Engines, Plus 30 Solar Igniters and One Pkg. of Parachute Recovery Wadding. Pkg: 4-1/2" x 2-1/4" x 8" Two-color display box. Pack: 6 ea. Wt: 8 lbs. Cube: .26 cu. ft.

Exciting 1981 Estes Consumer Catalog

No. 2850 (Priced) No. 2851 (Unpriced)

- 64 Pages
- Full-Color Throughout
- 5-1/2 x 8-1/2" Range Box Size
- Features Entire Estes Line
- Requested by Rocketeers
- Great Minimum Order Give-Away
- Popular P.O.P. Retail Catalog
- Features More Than 100 Exciting Flying Model
- Rockets, plus Starter Outfits, Launch Systems,
- Rocket Engines, Accessories, Parts, and Much,
- Much More!

Pack: 200 ea. Wt: 35 lbs. Cube: .67 cu. ft.



ESTES MARKETING SERVICES

For soaring sales and profits contact the Estes Marketing Department about these valuable marketing services.

DEMONSTRATION PROGRAM

Estes Industries sponsors several thousand exciting flying model rocketry demonstrations in shopping mall and retailer parking lots every year. Demo's are one of the very best ways to lift-off your model rocketry season and to promote increased sales. Contact your Estes distributor for a demonstration at your store. (Please allow 6 - 8 weeks lead-time.)

P.O.P. DISPLAY MATERIALS

Point-of-purchase display materials such as attractive header signs, full-color posters, and other merchandising aids are available to assist retailers in identifying their Model Rocketry Department and promoting special end cap assortments.

BUILT-UP MODELS

Estes Industries supplies retailers with hundreds of great looking built-up models per year. If your Model Rocketry Department could use a built-up or two contact your Estes distributor. (Please allow 6 - 8 weeks delivery.)

SCHOOLS AND CLUBS

Complete curriculum booklets and comprehensive brochures are available to help retailers develop local school and club model rocketry programs. Request an Estes F.R.O.G.S. Kit (Fun Rocketry Or Great Science) to introduce model rocketry to local teachers and youth leaders.

ADVERTISING KITS

A complete clip-art advertising kit is available to assist retailers in developing their local advertising program.

ESTES REPRESENTATIVES

JOEL NEWSOM & ASSOC. INC.
2064 Peachtree Industrial Ct.
Suite 401
Chamblee, GA 30341
404/455-9183

(Alabama, Kentucky, North Carolina, West Virginia, Florida, Mississippi, Tennessee, Georgia, South Carolina, Virginia)

MAXWELL BROOKS & ASSOC.
49 Brightview Drive
West Hartford, CT 06117
203/232-6890

(Connecticut, New Hampshire, Rhode Island, Massachusetts, Maine, Vermont)

S.M. COPLON & SON
Room 318
200 Fifth Ave.
New York, NY 10010
212/924-2620

(Delaware, Maryland, New Jersey, New York, Pennsylvania, District of Columbia)

ED GAPPPELL & ASSOC.
7100 Van Nuys Blvd.
Suite 5
Van Nuys, CA 91405
213/785-1588
(California)

OBRIEN/SIXTON
799 Industrial Drive
Bensenville, IL 60106
312/595-2030

(Illinois, Indiana, Wisconsin)

STANLEY E. STOKES & ASSOC.

9840 Overbrook Court
Leawood, KS 66206
913/648-1479

(Kansas, Missouri, Iowa, Minnesota, Nebraska, North Dakota, South Dakota)

JIMMIE FOURCADE CO.

The Rapids
27164 Highway 74
Evergreen, CO 80439
303/674-0215

(Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming, El Paso, TX)

RON ANDERSON & ASSOC.

1219 S.E. Lafayette
Portland, OR 97242
503/238-4647
(Oregon, Washington, Alaska)

THOMAS & HIGGINS CO.
310 E. Lynn
Bryan, OH 43506
419/636-3249
(Ohio, Michigan)

HUGHES SALES CO.

P.O. Box 53067
730-3 World Trade Center
Dallas, TX 75207
214/747-2375

(Arkansas, Louisiana, Oklahoma, Texas)

Estes Products Distributed in Canada by:

HOBBY INDUSTRIES
24 Ronson Drive
Rexdale, Ontario M9W 1B4
416/241-2661
(Canada)

Estes Products Distributed in West Germany by:

ESTES GMBH
Wolfsberg
D-2359 Hasenmoor
W. Germany
(49) 04195-248
(West Germany)

Printed by A.B. Hirschfeld Press, Denver, Colo. USA

OTHER DAMON COMPANIES



A DAMON COMPANY

Arrow Industries, Inc. (Formerly Arrow Handicraft Corp. & Tarco Inc.) 900 W. 45th Street, Chicago, IL 60609 - 312/927-2000. Manufacturing dollhouse kits, X-mas ornaments, ball clocks, gumball banks, novelty banks, "Magic Rocks" and "Wheelo".



A DAMON COMPANY

Hi-Flier Manufacturing Co., Inc.
610 East Wabash Avenue, Decatur, IL 62525 - 617/429-4361. Manufacturing plastic and paper kites, cord reels, gliders and sport kites.



Damon Corporation
80 Wilson Way, Westwood, Mass.
02090 - 617/449-0800.



A DAMON COMPANY

ESTES INDUSTRIES
PENROSE, CO 81240 USA

(303) 372-6555