

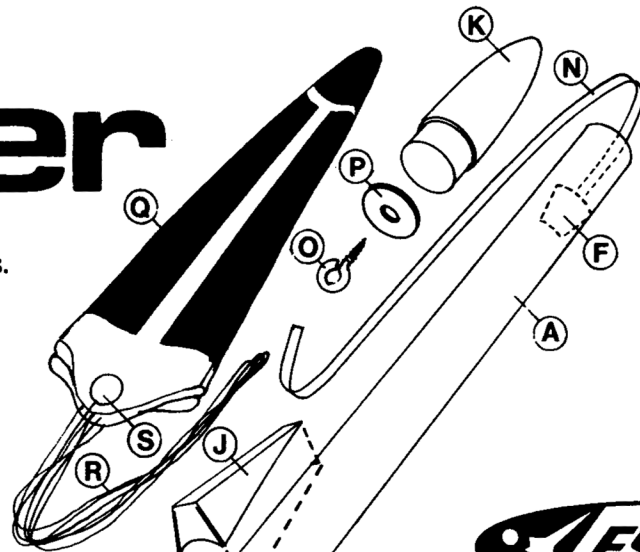


# Star Speeder

**SKILL LEVEL 2 - Recommended for Intermediate Rocketeers.**

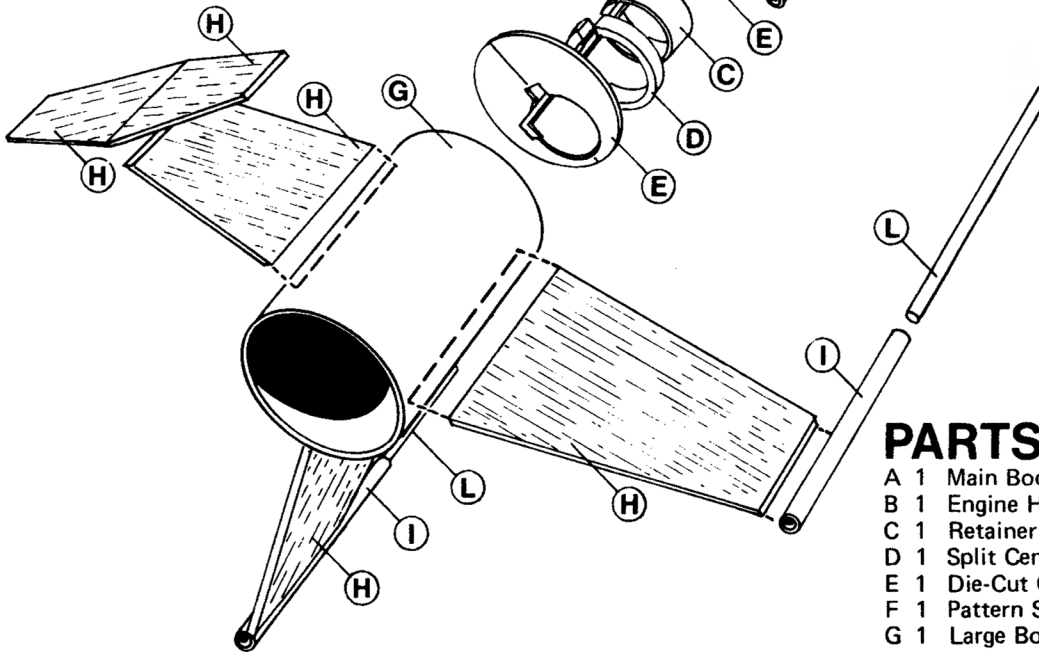
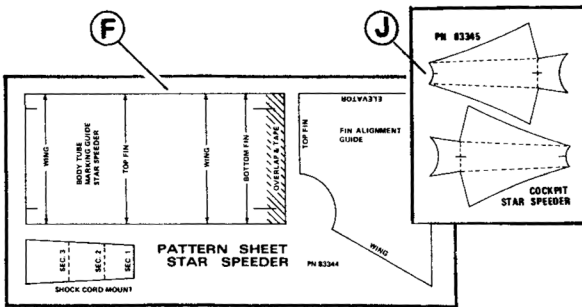
## BEFORE YOU START

Read each step and study the accompanying drawings before doing any of the work called for in that step. Always test-fit parts together before applying glue. It will sometimes be necessary to sand edges of rings, tubes, etc. to obtain a proper fit. If you are in doubt about the fit of some parts, refer back to this exploded view drawing for clarification. Adequate glue joints are very important for a flying model rocket. Follow the instructions carefully in this regard.



A DAMON COMPANY

**ESTES INDUSTRIES**  
PENROSE, CO 81240 USA



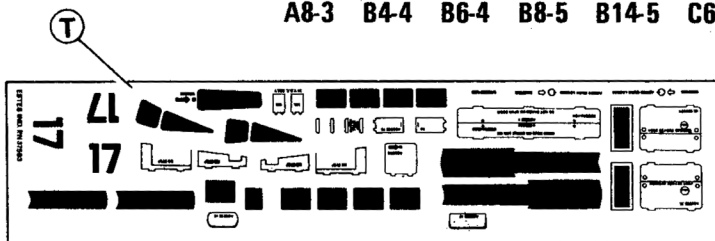
## TOOLS AND MATERIALS

In addition to the materials included in this kit, you will need a sharp modeling knife, ruler, pencil, small brush, balsa sanding sealer and thinner, scissors, masking tape, fine grit sandpaper, flat white spray enamel, small bottle silver enamel, Testor's "DullCote" (optional), and white glue. White glue is a household cement marketed under names such as "Elmer's Glue All", "Wilhold White Glue", etc. A yellow resin glue, "Franklin Titebond", may also be used. Other types of cement are NOT recommended.

## PARTS LIST KIT NO. 1366

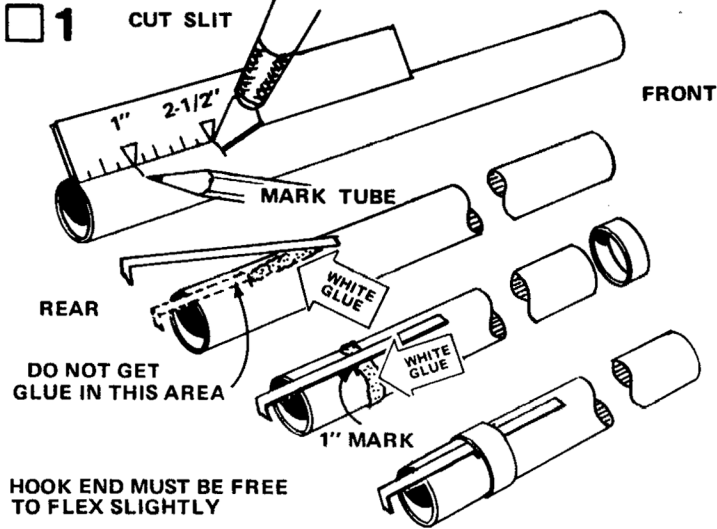
A	1	Main Body Tube (type BT-20L)	30330
B	1	Engine Hook (type EH-2)	35025
C	1	Retainer Ring (type HR-20)	30168
D	1	Split Centering Ring (type AR-2050S)	80425
E	1	Die-Cut Card (type RA-1366)	32470
F	1	Pattern Sheet (type SP-1366A)	83344
G	1	Large Body Tube (type BT-55J)	30386
H	1	Die-Cut Balsa Sheet (type BF-1366)	32369
I	3	Launch Lugs (type LL-2B)	38178
J	1	Printed Cockpit (type SP-1366B)	83345
K	1	Nose Cone (type BNC-20B)	70230
L	1	Wood Dowel 1/8" x 6"	85906
M	1	Large Toothpick	32085
N	1	Shock Cord (type SC-1)	85730
O	1	Screw Eye (type SE-2A)	38252
P	1	Nose Cone Weight (type NCW-1A)	38280
Q	1	Parachute (type PK-12A)	85564
R	1	Shroud Line (type SLT-72)	38237
S	1	Tape Disc Set (type TD-3F)	38406
T	1	Decal (type KD-1366)	37593

**RECOMMENDED ENGINES:**  
A8-3 B4-4 B6-4 B8-5 B14-5 C6-5





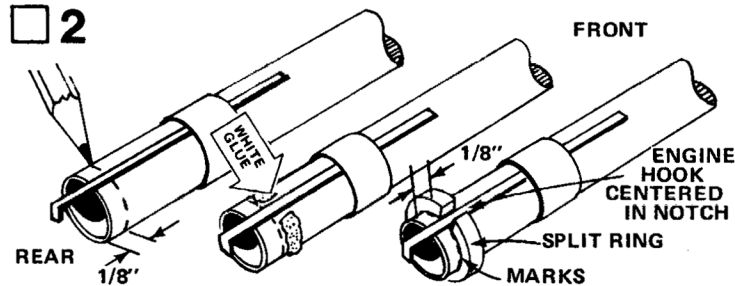
# ASSEMBLY INSTRUCTIONS



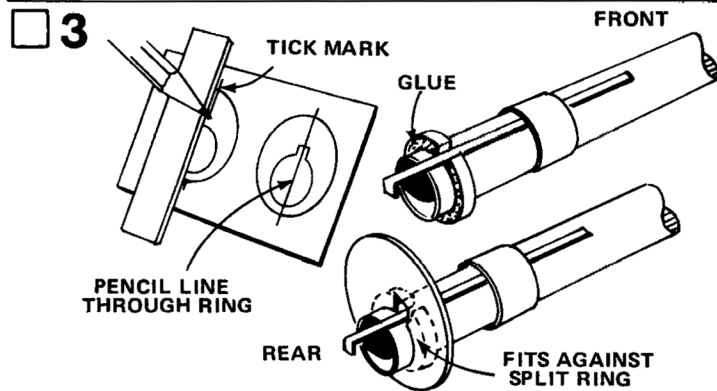
Mark the main body tube (part A) at 1" and 2-1/2" from one end. Cut a 1/8" long slit at the 2-1/2" mark. Apply a dab of white glue to the slit. Apply a line of glue between the slit and 1" mark as shown. Push engine hook end (part B) into slit. Press main part of hook into the glue. Align hook so that it runs STRAIGHT along the tube.

Apply a line of glue around the main body tube just FORWARD of the 1" mark. Slip hook retainer ring (part C) onto front end of tube. Slide ring rearward, over engine hook and UP TO the 1" mark.

The overhanging engine hook end must be free to flex slightly. Be sure that hook runs STRAIGHT along tube.

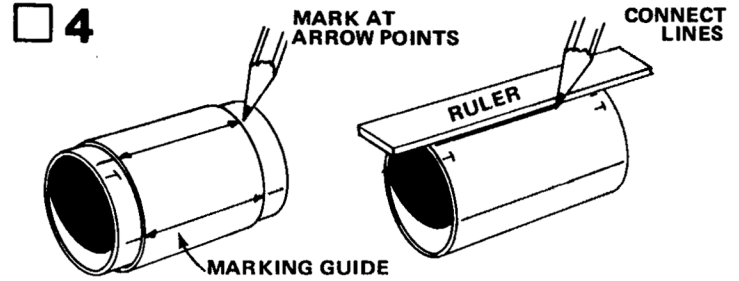


Mark the body tube 1/8" from the rear end. Place several marks around the tube so the centering ring may be accurately aligned. Apply glue around the tube above the marks, being careful not to get glue on the engine hook. Slide the split centering ring (part D) onto the tube and position ring with its rear edge on the marks. Hold ring in place until glue begins to set.

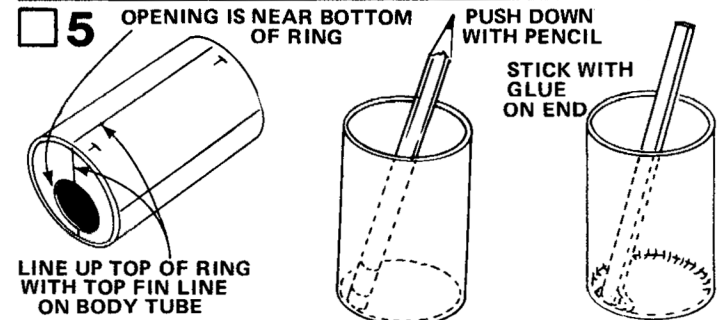


Locate the die-cut card containing the adapter rings (part E). DO NOT remove the rings from the card. At the top and bottom of each ring is a small tick mark cut into the card. Lay a ruler on the card and line up with tick marks on one ring. With a sharp pencil, draw a line thru the ring, EXACTLY on the tick marks. Repeat with second ring. Remove the ring that has the notch in the top of the inner opening from the card. Test-fit this ring onto the rear of

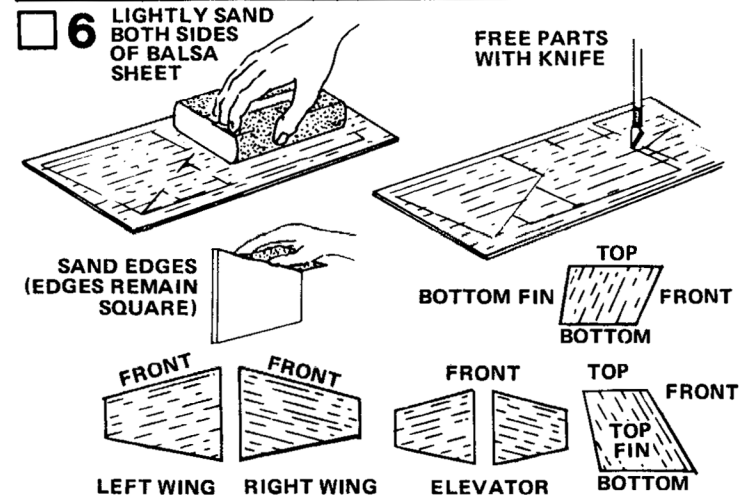
the body tube. If it is too tight, lightly sand the inside of the opening until a good fit is obtained. Apply a bead of glue to the rear edge of the split ring (don't get glue on engine hook). Slide the adapter ring onto the body against the split ring. Make sure the engine hook is centered in the notch in the adapter ring.



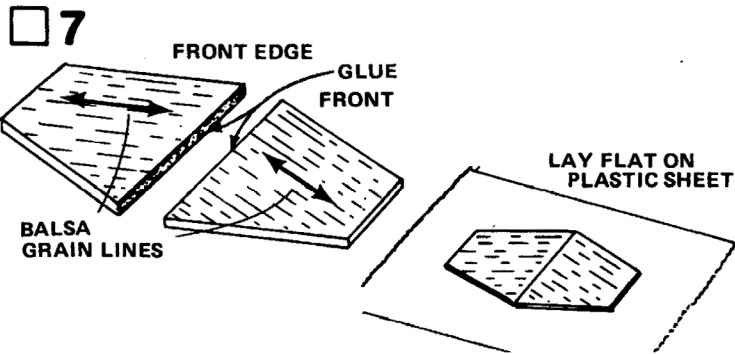
Cut the body tube marking guide from the pattern sheet (part F). Locate the large BT-55 body tube (part G). Wrap the marking guide tightly around the tube and tape the ends together. Place a pencil mark on the body tube at each end of the arrows locating the top fin, wings, and bottom fin. Place a letter "T" next to the marks for the top fin. Remove the guide and draw a line between the marks using a ruler for a guide.



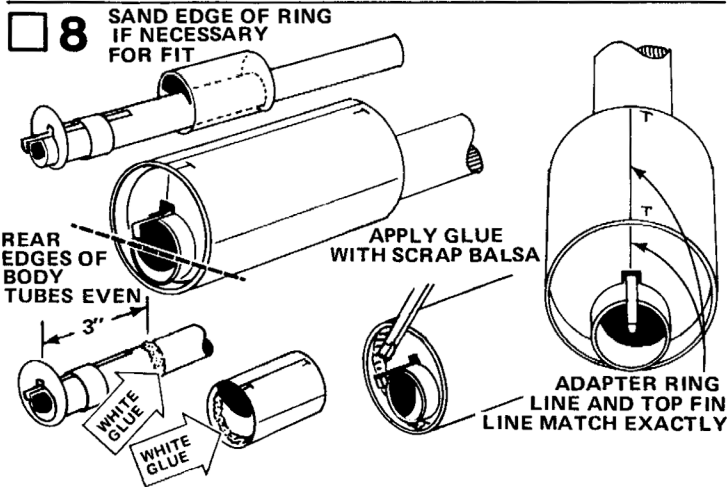
Insert the remaining adapter ring (from card E) into one end of the BT-55 body tube. Rotate the ring until top of ring is lined up exactly with the pencil line for the TOP FIN on the body tube (the line with the letter "T" next to it). Study the drawing carefully to make sure you have done this correctly. Place the body tube, with the ring end down, on a flat surface. Hold the body tube firmly on the surface and push down all around the edges of the ring with the eraser end of a pencil. This will position the ring exactly inside the end of the tube. Using a stick as an applicator, apply a bead of glue all around the inside of the ring/body tube joint. Be careful that you do not push the ring from the end of the tube. Set aside to allow glue to dry.



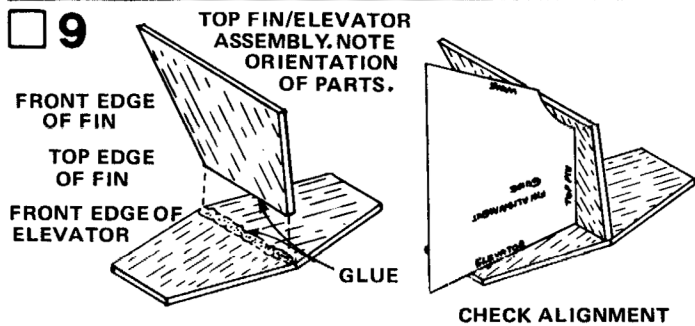
Lightly sand both sides of the die-cut balsa sheet (part H). Carefully free the parts from the sheet, using a modeling knife. Lightly sand the edges of all parts, but make sure the edges remain square. Lay out and identify the parts according to the drawing. Note that in each instance, the balsa grain line runs parallel to the front edge of the part.



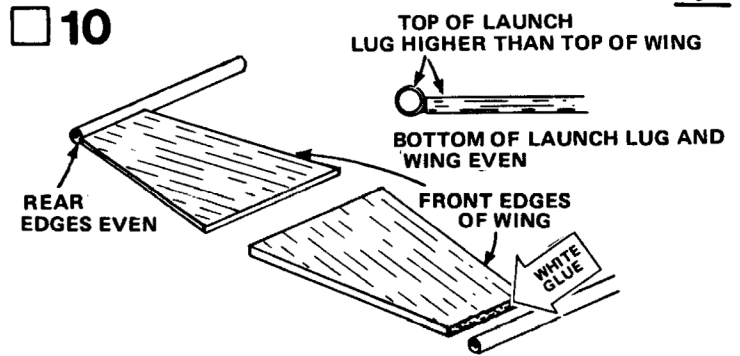
The elevator is composed of two pieces that are glued together. First, cut a piece from the plastic kit bag and lay on a flat surface. Apply a bead of glue to the inside edges of the two halves. Lay the parts on the plastic and press the edges together. **MAKE SURE YOU HAVE JOINED THE PARTS CORRECTLY.** Allow glue to dry before moving elevator.



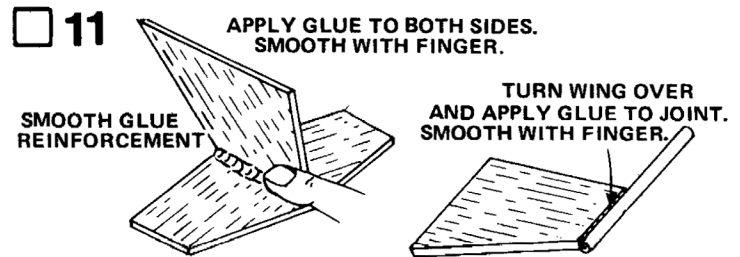
The glue should now be dry on the body tube/adapter ring joint (Step 5). Test-fit the body tube assemblies together as shown. If the rear adapter ring won't slide into the BT-55 tube, sand the edges of the ring to obtain a sliding fit. Before applying any glue, note how the assemblies fit together. The rear adapter ring fits slightly inside the BT-55 body tube so that the rear edges of both body tubes are even. The top of the rear adapter ring is aligned with the top fin line. Apply a bead of glue around the main body tube about 3" from the rear of the tube. Apply another bead of glue around the inside of the rear of the BT-55 tube. Assemble the parts as described above. Make all adjustments quickly before the glue begins to set. Allow the glue to set for a few minutes, then apply a bead of glue around the rear adapter ring/body tube joint, using a piece of scrap balsa for an applicator.



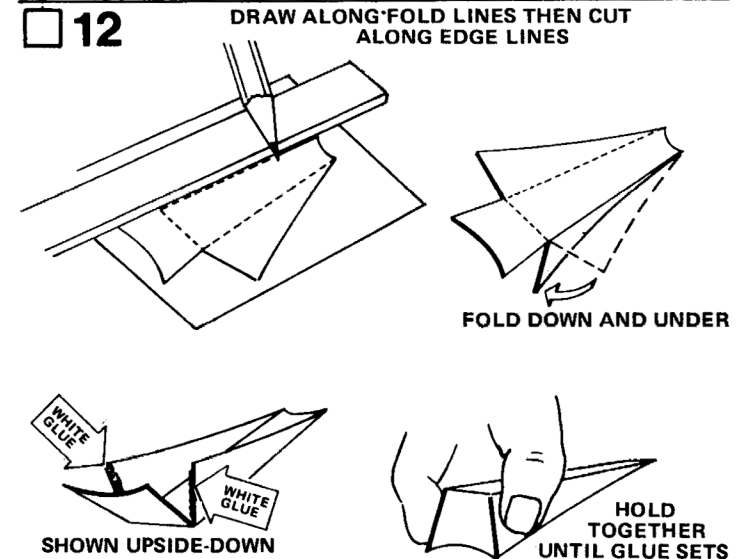
The glue should now be dry on the elevator (Step 7). Cut the fin alignment guide from the pattern sheet. Locate the top fin (refer to parts layout in Step 6). The top fin is glued to the elevator upside down. The top edge of the fin is glued to the center of the elevator. Study the drawing and note the balsa grain direction so you don't assemble the parts backwards. Apply a light bead of glue to the top edge of the fin and to the center of the elevator. Join the parts and check alignment with the fin alignment guide as shown. Set assembly aside until the glue dries.



Parts required for this step are two of the three launch lugs (part I) and the two balsa wings. The launch lugs are glued to the outer ends of the wings. Lay out the wings as shown over the piece of plastic bag. Make sure the front edge of both wings points the same direction. Apply a bead of glue to the outer edge of one wing and attach a launch lug. The rear edge of the launch lug is even with the rear edge of the wing. Glue the other launch lug to the opposite wing in the same manner.

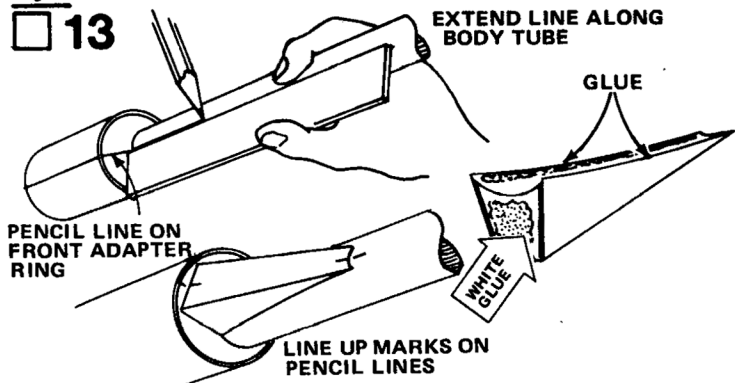


As soon as the glue has dried on the fin/elevator assembly, a glue reinforcement should be applied. Run a bead of glue along BOTH sides of the fin/elevator joint. Smooth the glue with your finger and wipe away excess. After the wing units have set for several minutes, turn them over and apply a bead of glue to the bottom of the wing/launch lug joints. Smooth out glue with your finger.



Locate the card with the cockpits printed on it (part J). Only one cockpit is needed, the other is a spare in case you make a mistake. Using a sharp **HARD LEAD** pencil and a ruler for a guide, draw lines along the three dotted fold lines. Press down a bit so it will form a good crease line. Carefully cut out the cockpit along the solid edge lines. Fold one side down and under. By folding farther than you need to, the folded portions will stay in place when glue is applied. Fold the other side and the back in the same manner. Partially unfold and apply a very **SMALL** amount of glue to the **INSIDE** rear edges of the sides. Fold the back so it fits between the sides. Hold the assembly together until the glue begins to set. Place aside to allow glue to dry.

**13**

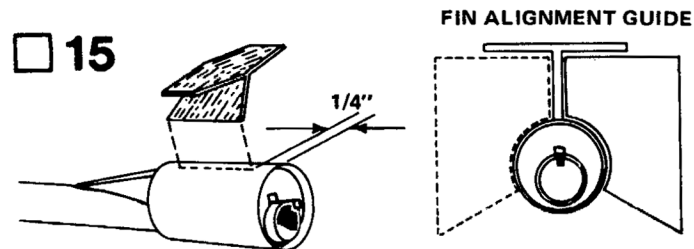


Place a ruler on the main body tube with the rear edge of the ruler exactly on the pencil line on the front adapter ring. Make sure the ruler is parallel to the body tube. Draw a line along the body tube for a couple of inches.

When the glue on the cockpit is dry, proceed with this step. Apply a bead of glue to the inside edge of each side and to the back of the cockpit. Place the cockpit on the body tube with the back against the adapter ring. Line up the marks printed on the front and rear of the cockpit with the pencil lines on the body and ring. Hold the cockpit in place until the glue begins to set. Run a bead of glue along the outside of the cockpit/body tube joints. Smooth the glue with your finger and wipe away excess.

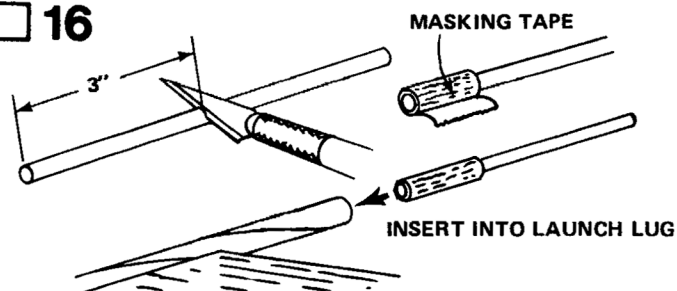
**14** When the glue joints on the wings and the fin/elevator unit are THOROUGHLY dry, proceed with finishing the balsa. Paint sanding sealer onto one side of each part, let dry, then do the other side. Apply sealer to all edges EXCEPT THE EDGES THAT GLUE TO THE BODY. Try not to get any sealer on those edges. In addition to the three parts mentioned above, apply sealer to the bottom fin and to the nose cone (part K). When the sealer has dried, sand each part with fine sandpaper. Be careful not to round the edges of the parts during sanding. Apply a second coat of sanding sealer, let dry, and sand again. If you want a really smooth surface, a third application may be necessary.

**15**



Place a pencil mark on the top fin line 1/4" from the rear of the body tube. Apply a bead of glue to the bottom of the top fin and set in place on the body, centered on the fin line with the rear edge on the pencil mark. Remove the fin immediately and let the glue dry on both surfaces for a minute or two. Apply a second light bead of glue to the bottom of the fin and re-attach to the body. Place the alignment guide on first one, then the other side of the fin to check alignment. Place objects (book, etc.) on either side of the body to keep the fin pointing straight up until glue dries.

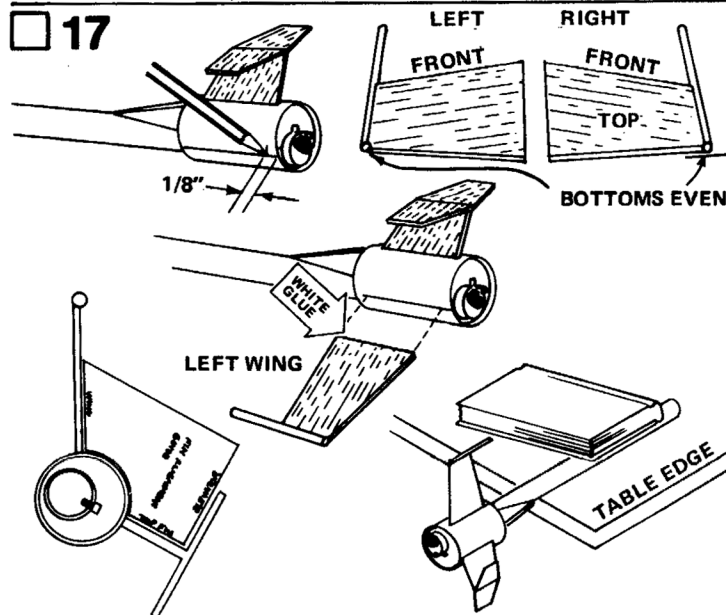
**16**



Locate the wood dowel (part L). Lightly sand the dowel, then cut into two equal (3") lengths. Wrap 3/4" wide masking tape around one end of a dowel. Wrap about 4 times around the dowel and cut the tape. Check the fit of the taped end of the dowel into one of

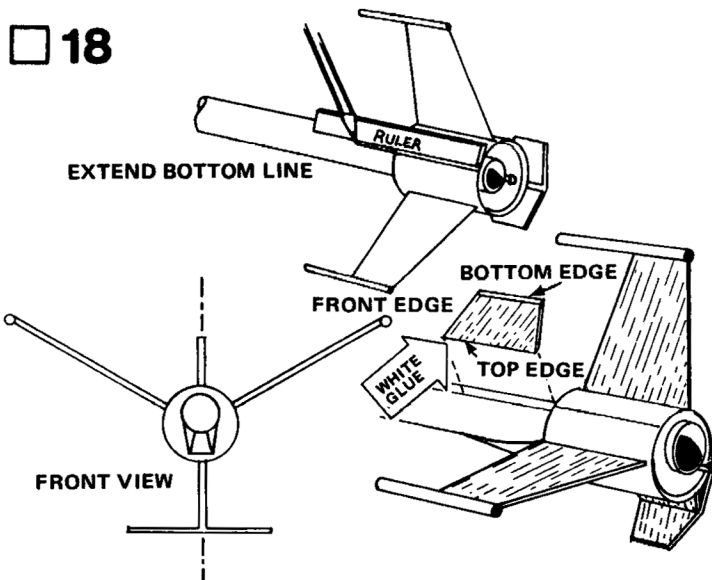
the launch lugs. If it will not fit, unroll a portion of the wrap and cut off a short piece of tape. Continue this until the dowel will slide into the launch lug with a snug fit. Repeat with the remaining dowel. DO NOT glue the dowels in place at this time. Set them aside until a later step.

**17**



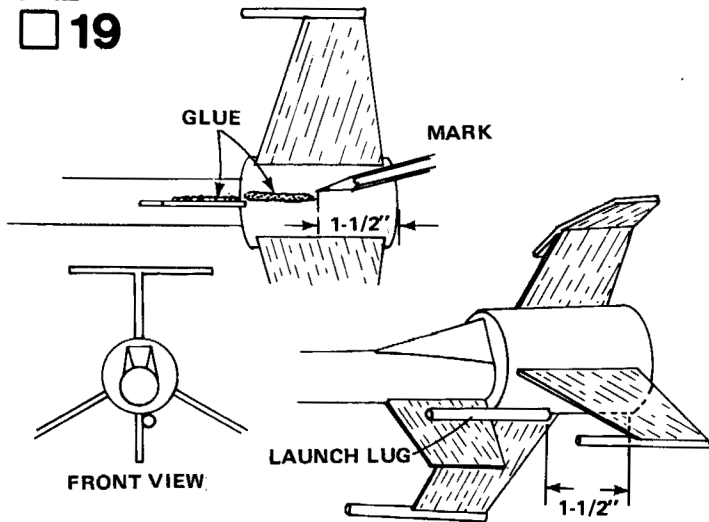
When the glue has COMPLETELY DRIED (step 15), proceed with this step. Place a mark on each wing line, 1/8" from the rear of the body. Identify right and left wings as shown. Apply a bead of glue to the inside edge of the LEFT wing. Attach to body on the wing line with the rear edge of the wing on the pencil mark. Remove immediately and allow the glue to set for a couple of minutes. Apply a second bead of glue to the wing edge and re-attach to body. Use the alignment guide to check the wing alignment. Lay the model on a table with the rear section extending over the edge. Make sure the wing extends straight up and weight the front of the body tube with a book. Check alignment once again, then allow glue to dry. Once the glue has COMPLETELY dried, attach the right wing in the same manner.

**18**



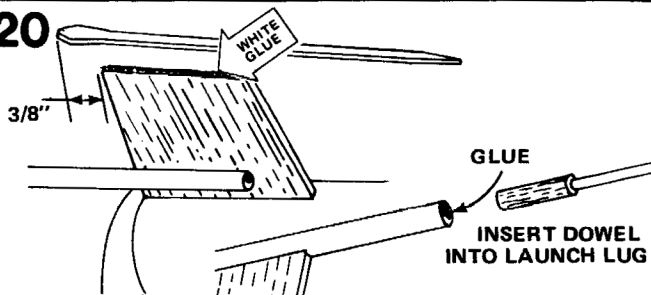
Proceed ONLY after glue is dry from previous step. Line up a ruler exactly on the bottom fin line of the BT-55 body tube. Extend a pencil line along the main body tube for a couple of inches. Compare the bottom fin to the drawing in Step 6 to locate top, bottom, and front edges. The top edge of the fin is glued to the main body tube with the rear edge butted against the BT-55 tube. Glue in place in the manner previously described and let dry. After the glue has dried, apply a bead of glue to both sides of the body tube/top fin joint and smooth into an even reinforcement with your finger. Repeat this process with both wings and the bottom fin. 83347

**19**



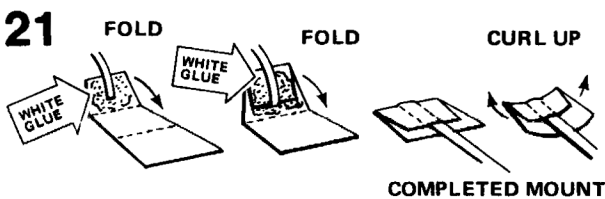
The remaining launch lug is glued to the bottom of the body as shown. The rear portion of the lug is glued to the BT-55 body tube and the front portion is glued to the side of the bottom fin. Measure 1-1/2" from the rear of the body and place a mark. Apply a bead of glue to the bottom of the body and to the side of the bottom fin in the areas shown. Press the launch lug into the glue. Sight along the lug to make sure it is lined up with the body. Using a small stick, apply a bead of glue along the sides of the lug where it joins the body and fin. Wipe away any excess glue.

**20**



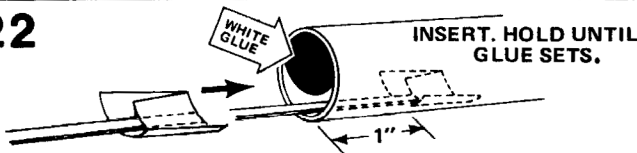
Lightly sand the large toothpick (part M). Apply a bead of glue to the bottom edge of the bottom fin. Attach the toothpick with the rear of the toothpick extending about 3/8" beyond the rear of the fin. Attach the dowels (step 16) to the launch lugs on the wings. Drop glue into the front of the launch lug and push the taped ends of the dowels into them. Push the dowels in until all the tape is inside of the lugs.

**21**



Cut out the shock cord mount from the pattern sheet. Fold on dotted lines, then unfold and apply glue to Sec. 1. Lay the end of the shock cord (part N) in the glue. Fold over and apply glue to the back of Sec. 1 and the exposed part of Sec. 2. Fold again to complete mount. Curl the edges of the mount up so it will match the contour of the body tube and hold with your fingers until the glue sets.

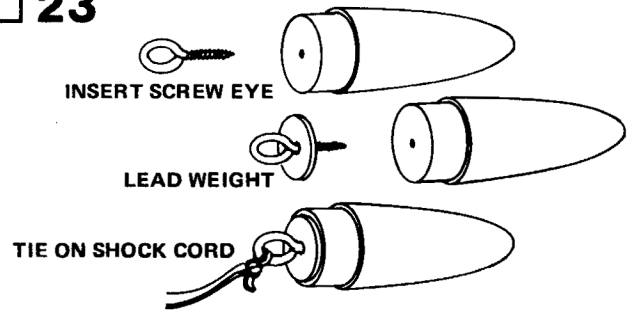
**22**



The shock cord is glued into the front of the body tube 1" from the end. This allows clearance at the front of the tube for the nose cone to socket into place. Use a stick to deposit a generous dab of glue inside the body tube, 1" from the end. Slide the shock cord mount into the tube and press into the glue. To insure a good bond,

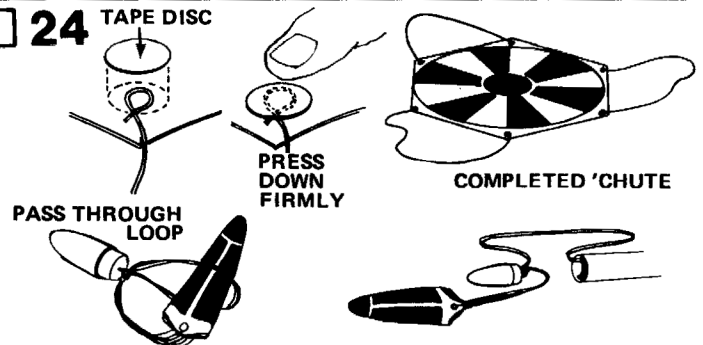
use the stick or your finger to smear a film of glue over the mount and the surrounding area in the body tube.

**23**



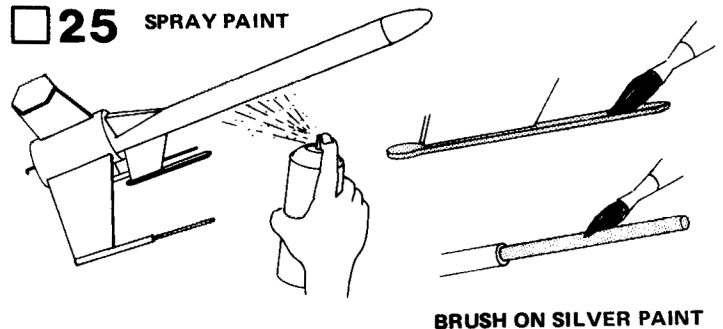
Thread the screw eye (part O) into the exact center of the nose cone base. Remove the screw eye and thread the lead weight (part P) all the way on to the screw eye. Squirt glue into the hole in the nose cone and re-attach the screw eye (and lead weight). Tie the free end of the shock cord to the screw eye.

**24** TAPE DISC



Cut out the parachute (part Q) on its edge lines. Cut the shroud line (part R) into three equal lengths. Form a small loop in one end of a shroud line and attach to a corner of the chute with a tape disc (part S). Press the tape disc down very firmly over the line. Attach the opposite end of the shroud line to an adjacent corner of the chute. Attach the remaining shroud lines in the same manner. Pass the shroud line loops through the screw eye of the nose cone. Pass the chute through the loops and draw the lines tight. Fold the chute, pack chute and shock cord into body and socket nose cone in place.

**25** SPRAY PAINT



Before painting, clean the rocket with a slightly damp cloth to remove oily fingerprints. Paint the entire rocket with flat white spray paint. Spray in several light coats to avoid getting "runs" in the paint. Brush paint the gun barrels (dowels) and toothpick silver. Allow the paint to dry several hours before applying decals.

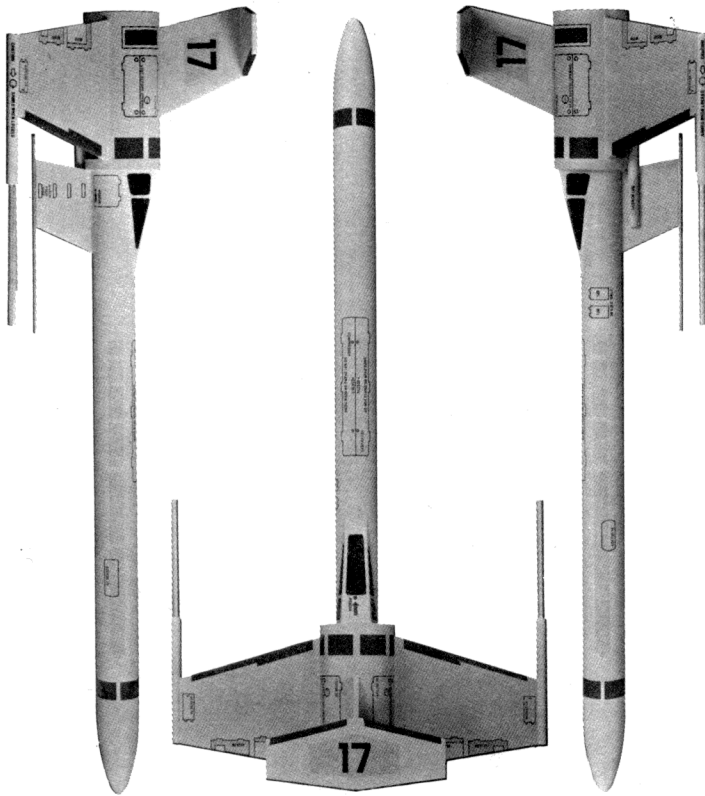
**26** DECAL PLACEMENT

Decal application: (A) Cut one decal at a time from the sheet (part T). (B) Submerge decal in water for 20-30 seconds (until decal slides easily on backing paper). (C) Gently slide decal from backing paper onto model. (D) Move decal into position and blot away excess water with a soft cloth. (E) If the decal sticks before you have it in position, apply water over the decal with a brush. This will allow decal to be moved. (F) Smooth out all wrinkles and air bubbles before the decal dries.

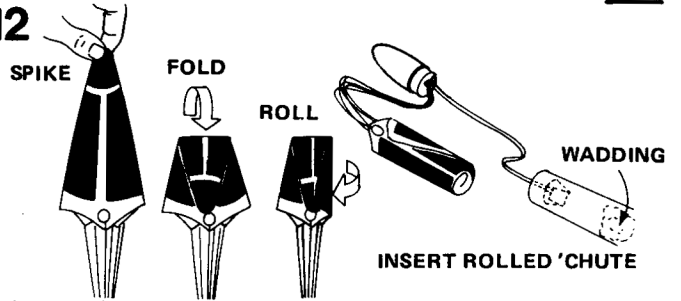
RIGHT SIDE

TOP

LEFT SIDE



T-12



Hold the parachute at its center and pass the other hand down into to form a "spike" shape. Fold this spike in half. Roll parachute into tube shape to fit easily into body. Pack 'chute into the tube on top of the wadding. Pack the shroud lines and shock cord in on top of the parachute and slip the nose cone into place.

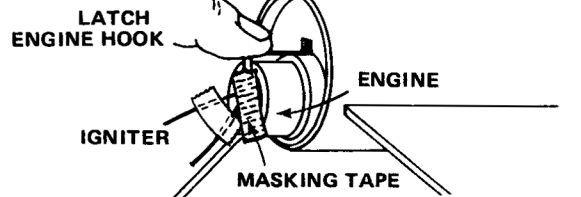
**NOTE:** DO NOT pack parachute until you are actually ready to launch. For maximum parachute reliability, lightly dust the 'chute with ordinary talcum powder before each flight, especially in cold weather.

Nose cone should separate easily from rocket body tube, but should not be extremely loose. If fit is too tight, sand inside of body tube and shoulder of nose cone with fine sandpaper. If fit is too loose, add a wrapping of transparent tape or masking tape to the shoulder of the nose cone.

T-11

Select an engine and install an igniter as directed in the engine instructions. Use an A8-3 engine for your first flight.

T-10

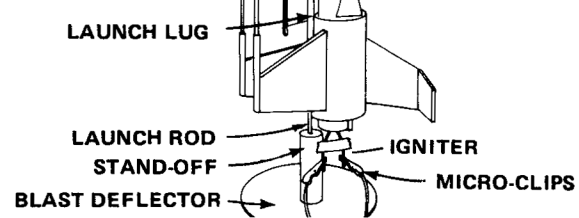


Insert engine into rocket. Engine hook must latch securely over the end of the engine.

T-9

Disarm the launch panel -- REMOVE SAFETY KEY!

T-8



Slide launch rod through rocket launch lug and place rocket on launch pad. Make sure the rocket slides freely on the launch rod. Clean the micro-clips and attach them to the igniter wires. Arrange the clips so they do not touch each other or the metal blast deflector. Attach clips as close to tape as possible.

T-7

Clear the launch area, alert recovery crew and trackers. Check for low flying aircraft and unauthorized persons in the recovery area.

T-6

Arm the launch panel -- INSERT SAFETY KEY!

**-5-4-3-2-1-LAUNCH!!**

Repeat Countdown Checklist for each flight.

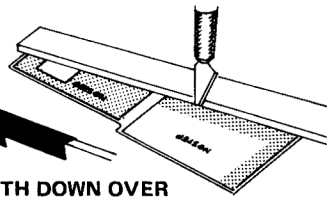
## MISFIRE PROCEDURE

Occasionally the igniter will heat and burn into two pieces without igniting the engine. This is almost always caused by a failure to install it correctly. REMOVE SAFETY KEY from launch panel, remove the model, clean the igniter residue from the engine nozzle, and install a new igniter. Repeat the Countdown Checklist.

CENTER DECAL ON EDGE OF WING.



TRIM AWAY CLEAR FROM REAR EDGE OF DECAL



SMOOTH DOWN OVER TOP & BOTTOM SURFACES

Apply the decals in the positions shown in the photographs. The red leading edge decals are positioned on the front edge of wings and elevator. Once the decal is centered on the edge, smooth it down onto the top and bottom surfaces.

Trim away the clear material from the rear edge of the wing flaps before application.

We recommend that the completed model be sprayed with Testor's "Dull-Cote". This is a clear flat spray that kills the decal shine and protects the model's finish.

## LAUNCHING COMPONENTS

To launch your rocket you will need the following items:  
 An Estes model rocket launch system  
 Parachute recovery wadding (Estes Cat. No. 2274)  
 Recommended engines: A8-3, B4-4, B6-4, B8-5, B14-5, or C6-5. Use an A8-3 engine for your first flight.

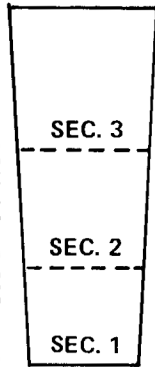
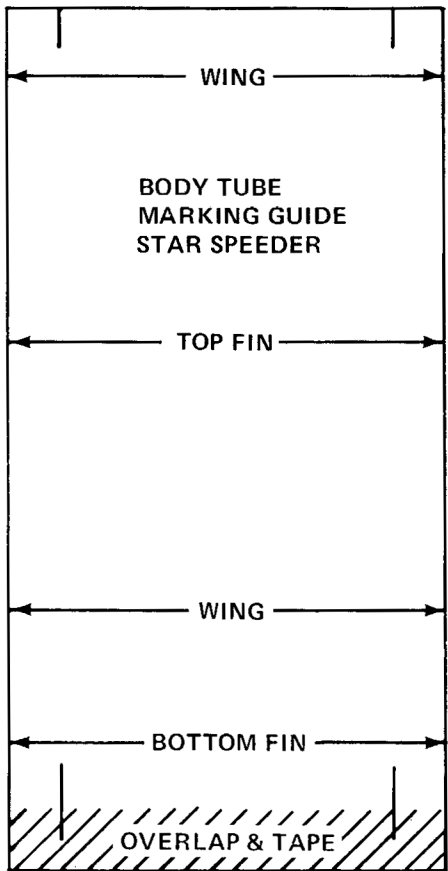
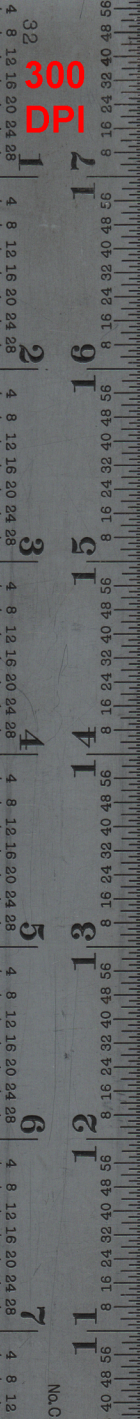
Be sure to follow the HIAA-NAR\* Model Rocket Safety Code when carrying out your model rocket activities.

\*HIAA -- Hobby Industry Association of America  
 NAR -- National Association of Rocketry

## COUNTDOWN CHECKLIST

**T-13** Pack 4 squares of loosely crumpled recovery wadding into the body tube from the front.

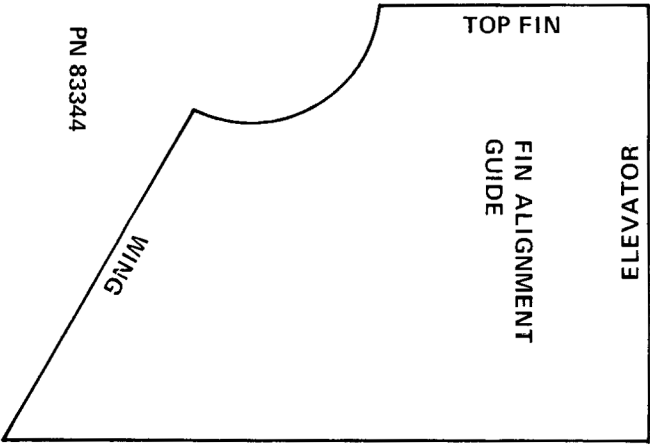




**PATTERN SHEET**  
**STAR SPEEDER**

**ESTES**  
A DAMON COMPANY

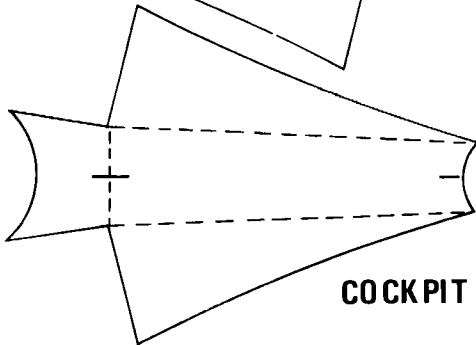
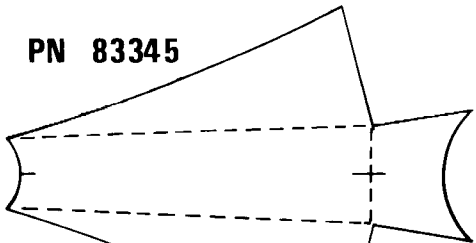
**ESTES INDUSTRIES**  
PENROSE, CO 81240 USA



PN 83344

SHOCK CORD MOUNT

**PN 83345**



**COCKPIT**

32

**300  
DPI**

1

2

4

1

8

12

16

20

24

28

32

36

40

44

48

52

56

60

64

68

72

76

80

84

88

92

96

100

104

108

112

116

120

124

128

132

136

140

144

148

152

156

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472

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480

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488

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504

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512

516

520

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528

532

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556

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636

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660

664

668

672

676

680

684

688

692

696

700

704

708

712

716

720

724

728

732

736

740

744

748

752

756

760

764

768

772

776

780

784

788

792

796

800

804

808

812

816

820

824

828

832

836

840

844

848

852

856

860

864

868

872

876

880

884

888

892

896

900

904

908

912

916

920

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948

952

956

960

964

968

972

976

980

984

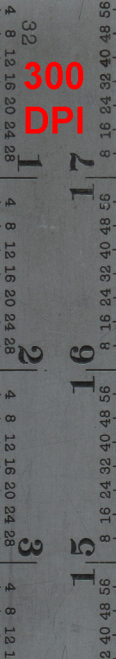
988

992

996

1000

32  
300  
DPI



1

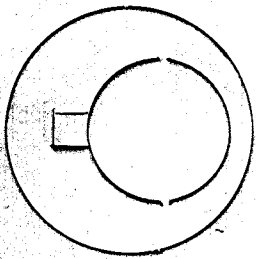
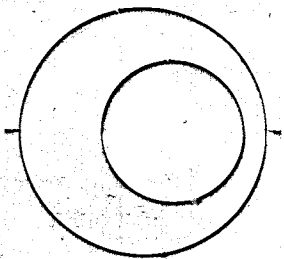
7  
1

2

9  
1

3

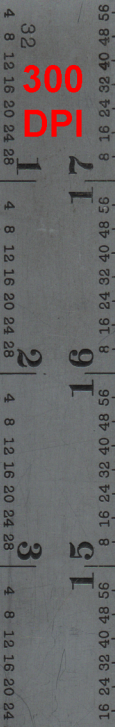
5  
1



IN 3/16

1





32

300  
DPI

1

7

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8

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16

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24

28

2

4

8

12

16

20

24

28

3

4

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16

20

24

56  
48  
40  
32  
24  
16  
8

56  
48  
40  
32  
24  
16  
8

56  
48  
40  
32  
24  
16  
8

56  
48  
40  
32  
24  
16

1

9

1

5

1



300 DPI

21 91

31 51

41 71

51 31

61 21

71 11

81 01

91 61

101 81

111 21

No.C303SR

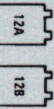
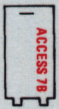
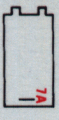
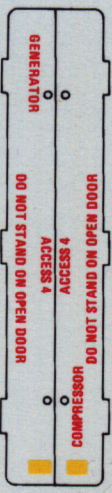
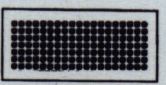
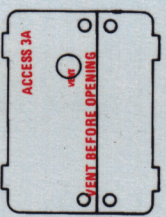
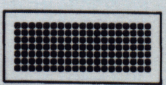
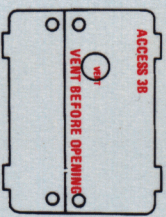
THE L.S. STARETT CO.  
ATHOL, MASS., U.S.A.

TEMPER



ACCESS 19

ACCESS 15



CAUTION ARMED WHEN LOCKED

ARMED WHEN LOCKED CAUTION

LAUNCH LUG

RESCUE



ESTES IND. PN37593



inch scale



Material: Balsa

Fits T20 tube with  
ID= .71 OD= .736  
Overall length: 2.2  
Exposed length: 1.7  
Shoulder length: .5

all dimensions are in inches unless otherwise specified.

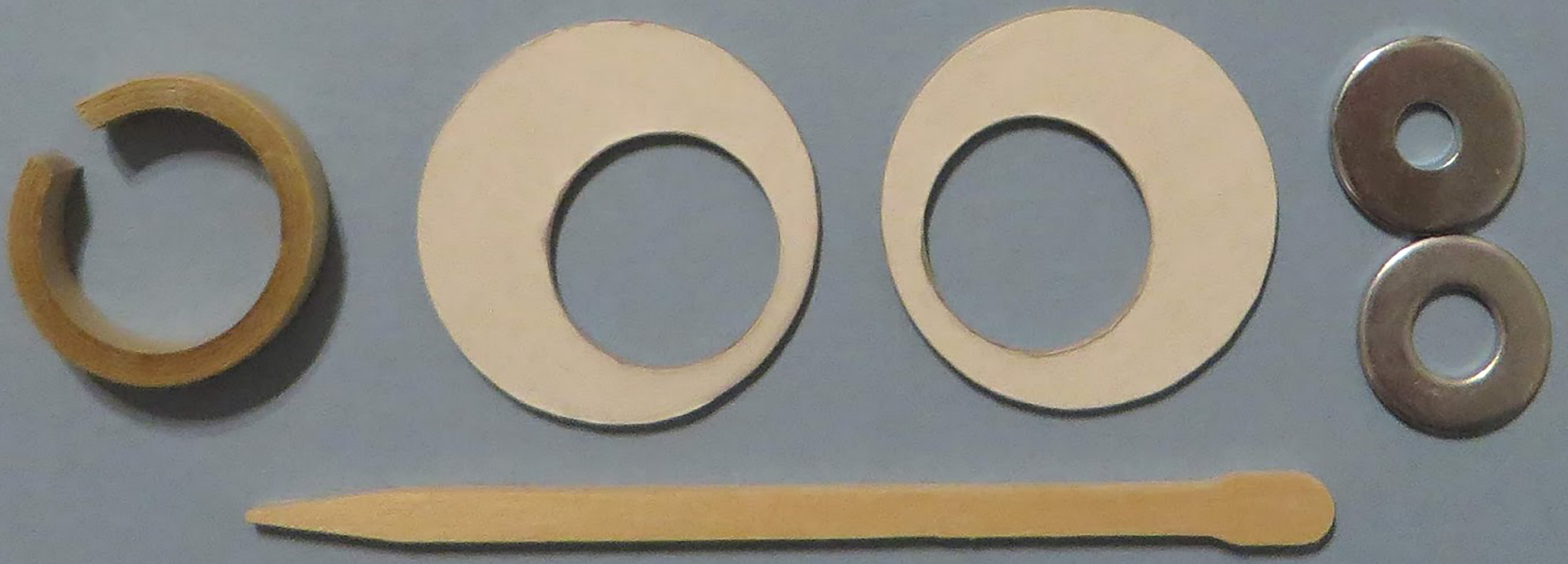
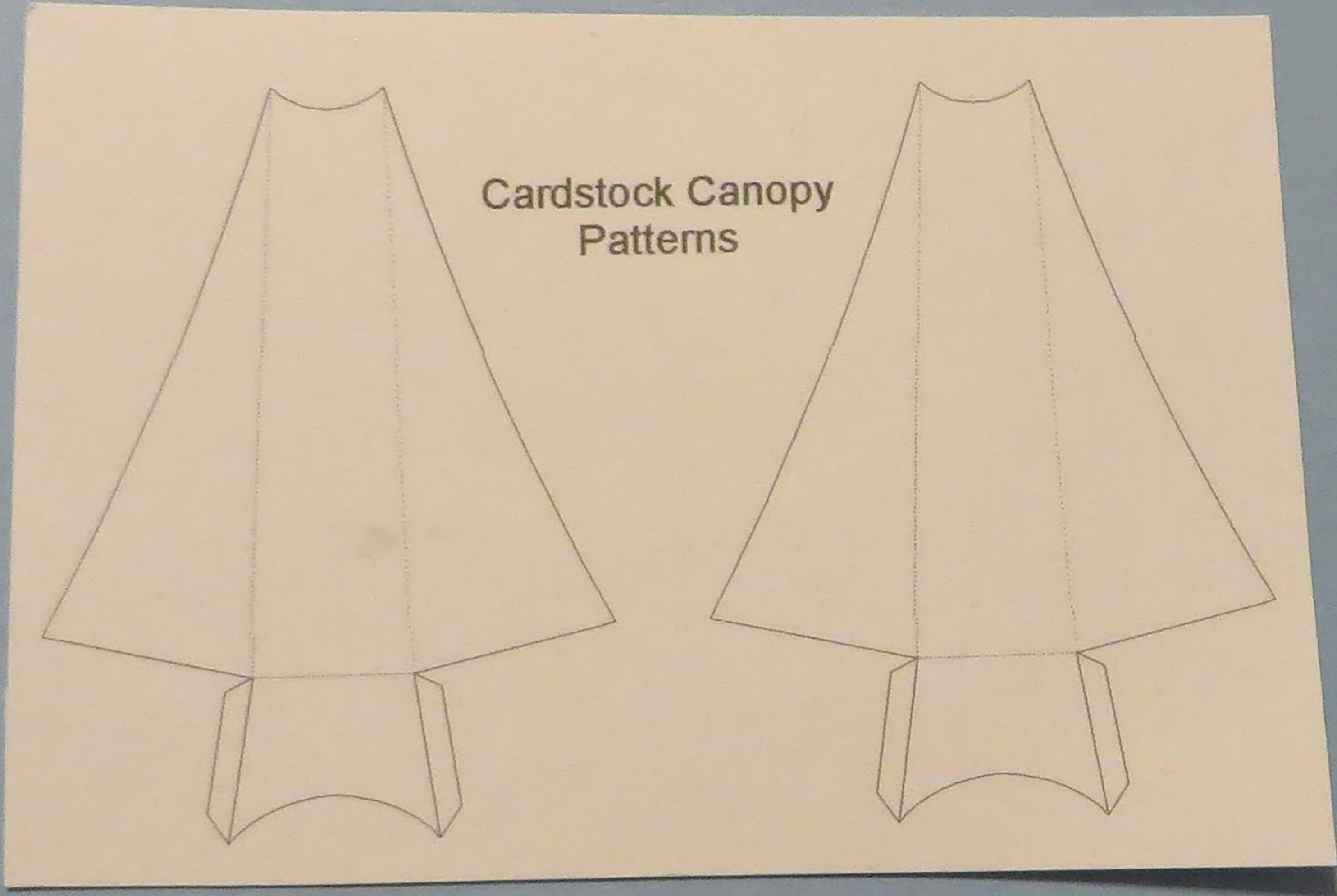
Part is drilled for, and supplied with, a 1/4 inch  
hardwood dowel drilled to accept a screw eye.

Balsa Machining Service			
This print is the property of Balsa Machining Service. It may be copied and distributed if done in its entirety. Although BMS considers this drawing proprietary it makes no claim whatsoever regarding the core shape itself.			
Size A	Part Number BNC20B	REV A	
Date 5/11/05	Tool: 20b	Sheet of	

PARTS LIST KIT NO. 1366 - Star Speeder								
Quantity	Description	Type	Number	Detail1	Detail2	Detail3	Detail4	Comment
1	PAPER BODY TUBE	BT-20L	30330	12" long	0.710" ID	0.736" OD	0.013" wall	Glassine
1	ENGINE HOLDER	EH-2	35025	2.8" long	.100" wide	.025" thick		Reg. & D
1	MYLAR RETAINER RING	HR-20	30168	0.3" long	0.74" ID	0.76" OD	0.01" wall	BT-20
1	SPLIT ADAPTER RING	AR-2050S	80425	1/4" long	.737" ID	.949" OD	0.106" wall	Green
1	Die-Cut Card	RA-1366	32470	2" wide	3.5" long	0.05" thick	Offset Rings	Scan
1	Pattern Sheet	SP-1366A	83344	4" wide	7.5" long	110 lb. card		Scan
1	PAPER BODY TUBE	BT-55J	30386	2.75" long	1.283" ID	1.325" OD	0.021" wall	Glassine
1	BALSA FIN STOCK	*BFS-30	3168	3" wide	9" long	3/32" thick	0.09375	Scan
3	LAUNCH LUG	LL-2B	38178	5/32" ID	1/8" rod	2-3/8" long		Mylar
1	Printed Cockpit	SP-1366B	83345	3" wide	4" long	67 lb. card		Scan
1	BALSA NOSE CONE	BNC-20B	70230	1.688" long	.736" dia.	.313" shoulder		
1	WOOD DOWEL	WD-1C	85906	1/8" dia.	6" long			Wood
1	*Large Toothpick	N/A	32065	3.5" long	0.135" wide	1/16" thick	Hardwood	Scan
1	Shock Cord	SC-1	85730	18" long	1/8" wide			Rubber
1	Screw Eye (Small)	SE-2A	38252	3/4" long				
1	*NOSE CONE WEIGHT	NCW-1A	38280	11/16" dia.	0.12 oz.			Lead Disc
1	Parachute	PK-12A	85564	12" hexagon	1.25 mil thick	LDPE plastic	Org/Wht	
1	Shroud Line	SLT-72	38237	72"	.020" diameter	Twisted cotton		
1	Tape Disc	TD-3F	38406	1/2" dia.	Paper	Self-Stick		Set of 6
1	Decal	KD-1366	37593	3" wide	12.5" long	Red/Yel/Blk	Waterslide	Scan
*Die-Cut Balsa Sheet (type BF-1366) #32369								
*Earlier kits came with a flat cocktail pick for this part as seen in the scan. In later issues, this was replaced with a popsicle stick.								
*Earlier kits came with the typical lead disc. In later issues, this was replaced with 2 zinc plated metal washers.								













# Star Speeder

## FLYING MODEL ROCKET

SKILL LEVEL 2

Requires 1.5 hours and 10 to 15 minutes to assemble. 12+ years old.



- Single-Plane Galactic Fighter
- Wing Tip Laser Cannons
- Super Sleek Design
- Clef-Cut Balsa Fin
- Quick-Release Engine Mount
- 12" Parachute Recovery
- Printable Kit Decals

Length: 12.75" (32.1cm)  
Wing: 7.87" (20.1cm)  
Wt: 1.1oz (30g)  
Requires: A6.5 (1/2" dia) E-1  
E-1.5 (3/8" dia) E-1.5

This is a hobby kit requiring assembly.  
Recommended for ages 12 to adult.  
Engine, launch ramrod, glue and finishing  
touches are not included. Adult supervision  
is suggested for those under 12 years of age  
when flying model rockets.



#1366

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