



# PIONEER 1

This model rocket has been designed and developed to give you a straight, high flight if the instructions are followed carefully. The exciting and educational sport of model rocketry has grown into a full scale national activity, and will continue to grow every time you fly your rocket safely. Formation of a rocket club in your area will provide you with hours of enjoyment, even when you're not launching rockets. Look for our new models appearing on your dealer's shelves soon.

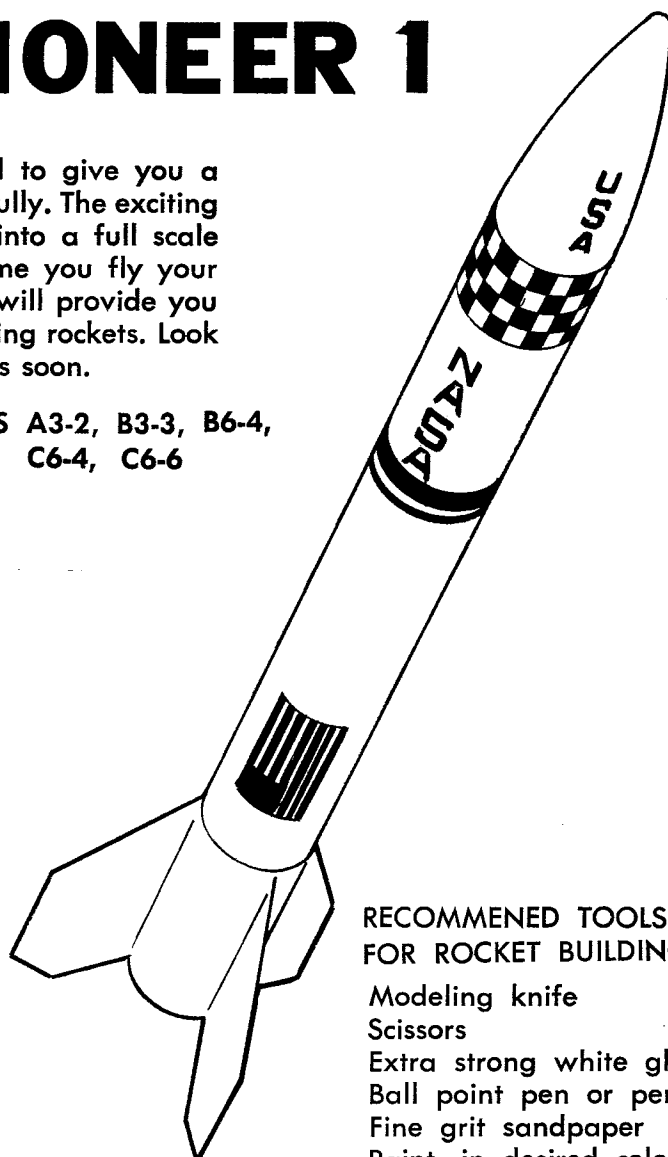
**RECOMMENDED ENGINES** A3-2, B3-3, B6-4, C6-4, C6-6

Before you begin building, look over the instructions carefully. Following the procedure given, test-fit parts together without gluing. This way you will be more familiar with the location of parts when it becomes time to use glue.

For removing small parts from the "runners" it is best to use a modelers knife, do not attempt to "twist" them off.

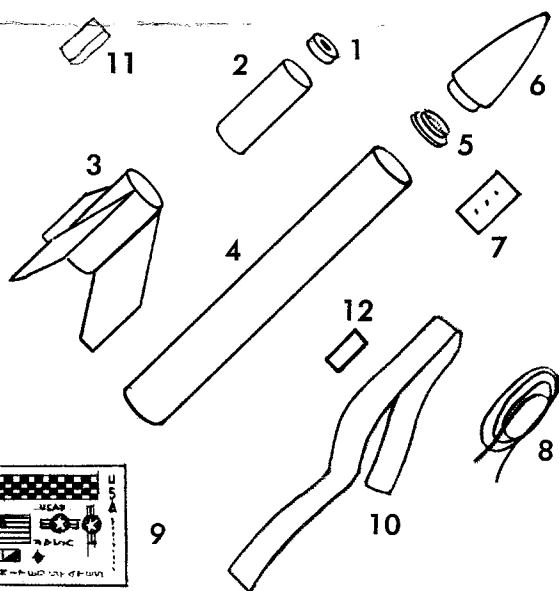
The highest quality styrene plastic goes into the making of each MPC model. Only paint made for styrene should be used. Before joining parts, trim off excess plastic or "flash."

**For a good flight, each and every time, use an MPC LUNAR ELECTRIC LAUNCH PAD, and LAUNCH CONTROL to fly your model rocket.**



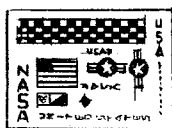
## RECOMMENDED TOOLS FOR ROCKET BUILDING

- Modeling knife
- Scissors
- Extra strong white glue
- Ball point pen or pencil
- Fine grit sandpaper
- Paint, in desired colors



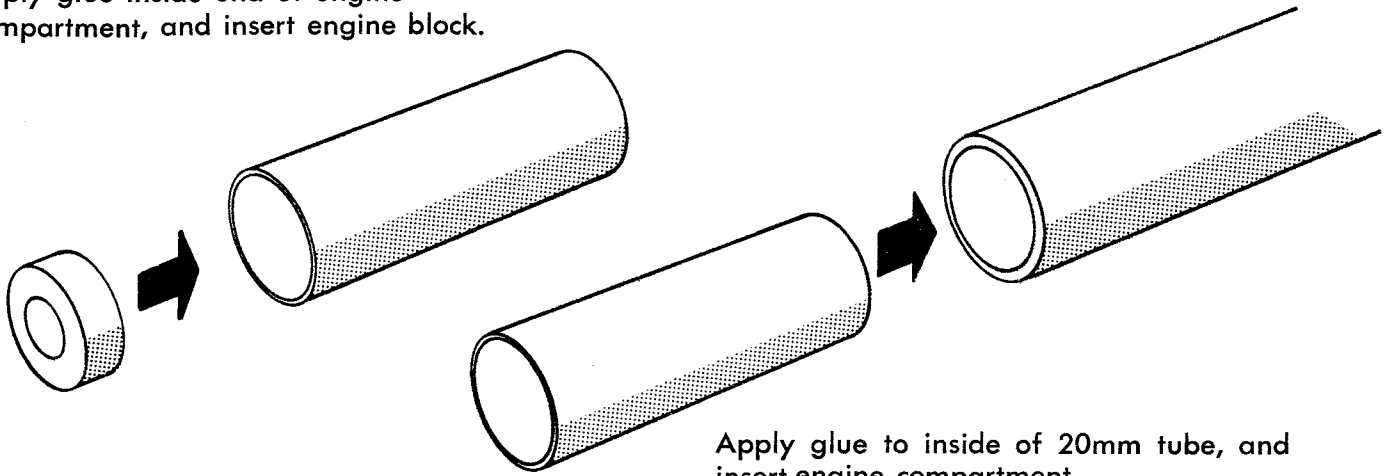
## PARTS LIST

- 1 ENGINE BLOCK
- 2 ENGINE COMPARTMENT
- 3 FIN ASSEMBLY
- 4 BODY TUBE
- 5 PLUG
- 6 NOSE CONE
- 7 SHOCK MOUNT
- 8 CORD
- 9 DECALS
- 10 STREAMER
- 11 WADDING
- 12 ADDRESS LABEL



# 1 ENGINE COMPARTMENT

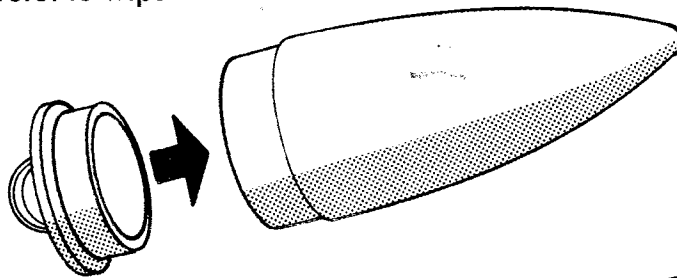
Apply glue inside end of engine compartment, and insert engine block.



Apply glue to inside of 20mm tube, and insert engine compartment.

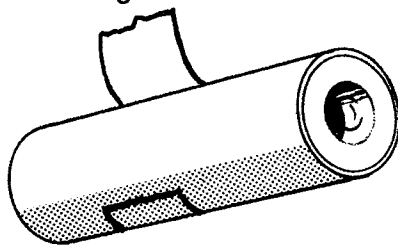
# 3 FINAL ASSEMBLY

Glue the nose cone assembly together in the order shown. Use enough glue, but be careful to wipe off excess.

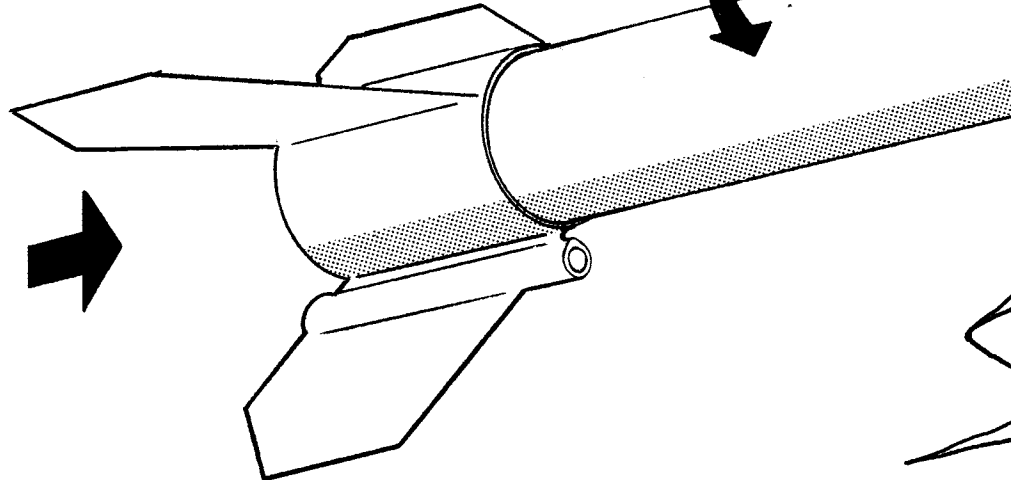


Lace cord through  
shown, and  
body tube on

Place a piece of tape around  
the engine for snug fit.

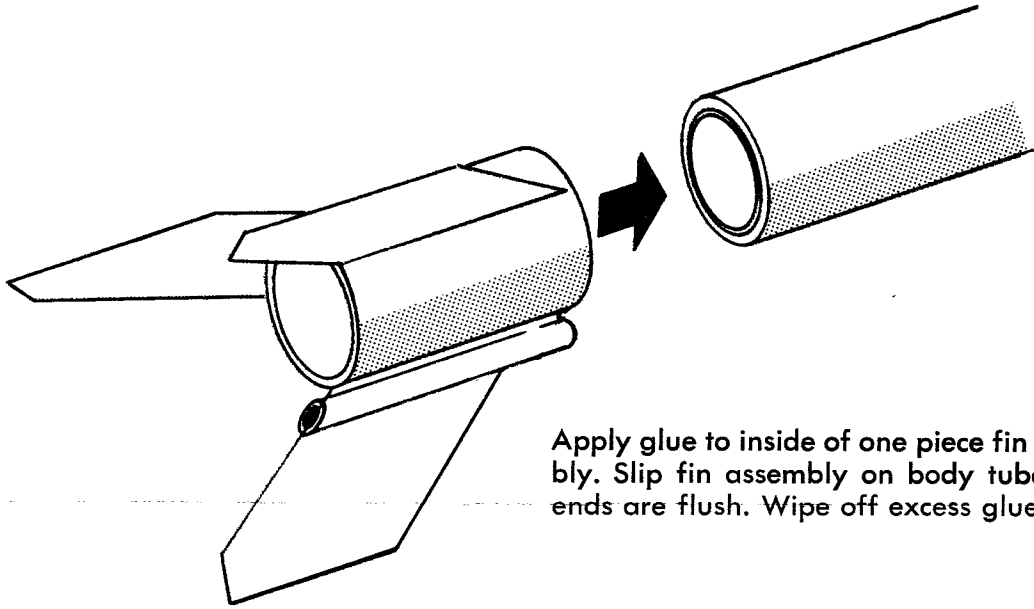


ENGINE



**NOTE:** Engine should not be put in rocket until you are ready to launch.

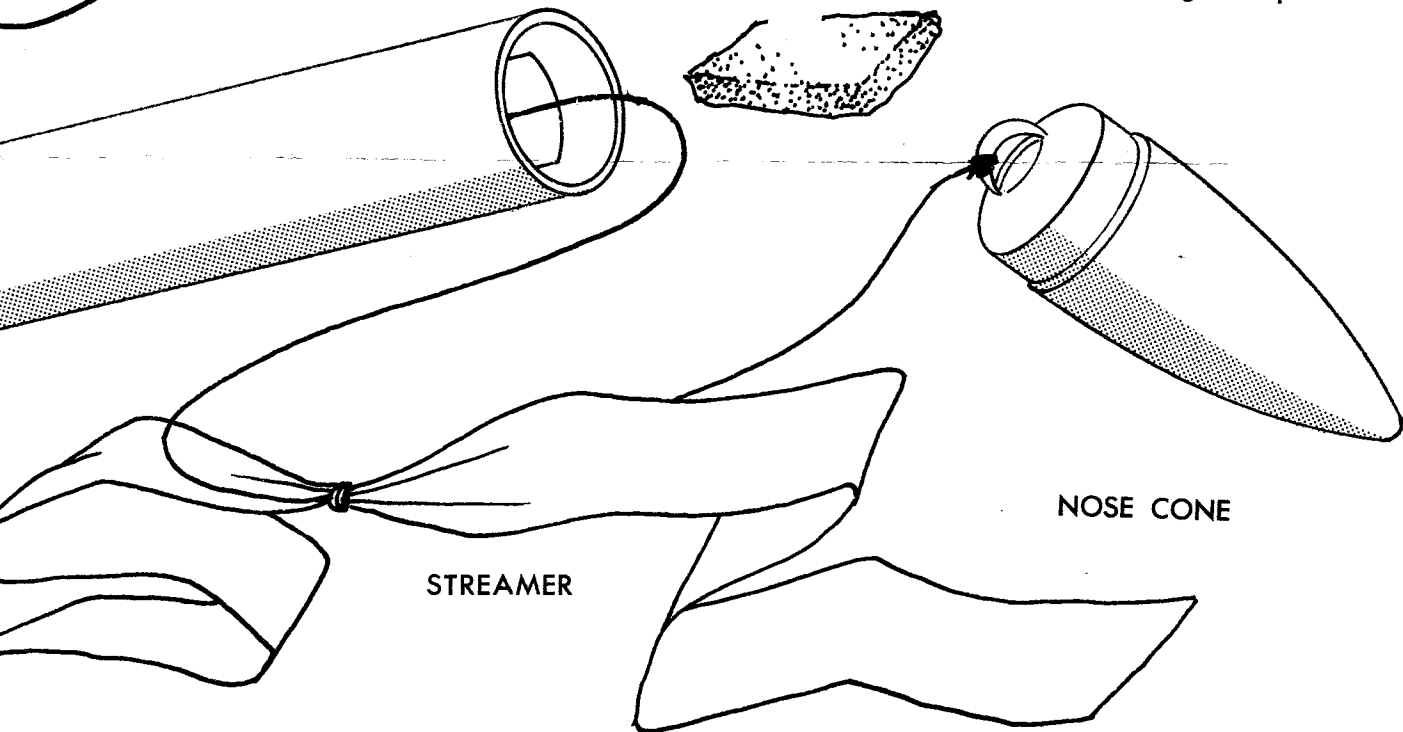
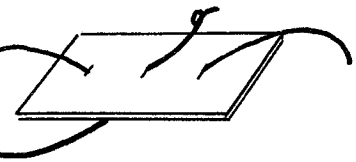
## 2 FIN ASSEMBLY



Apply glue to inside of one piece fin assembly. Slip fin assembly on body tube, until ends are flush. Wipe off excess glue.

**NOTE:** All joints should have glue fillets.

ough shock mount as  
glue assembly inside  
e inch from the end.



The nose cone assembly must fit snug in the body tube, but must be loose enough to eject.

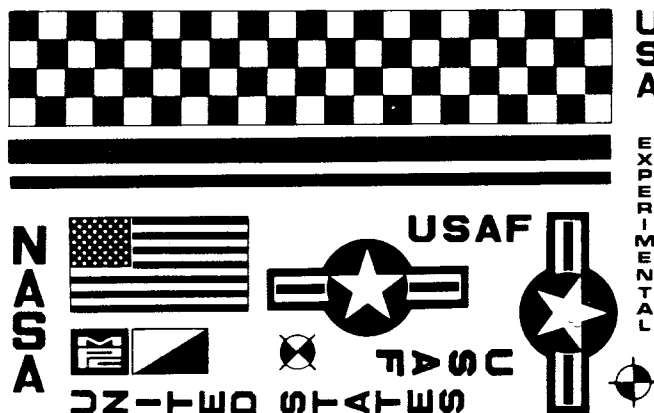
## 4 DECALS - PAINTING

The custom decal arrangements shown are only suggestions. Many other combinations are possible.

To apply the decals; cut apart each individual design, dip it into water for a few minutes, then slide it off the paper backing as you apply it to the model. Before the decals dry, smooth out any bubbles with a damp cloth.

This decal sheet has a clear coat of lacquer over its entire surface. For best results cut the decal apart as close to the designs as possible.

When painting your rocket, do so before gluing chrome parts in place. For best results, use paint for styrene plastic only.



## 5 LAUNCHING INSTRUCTIONS

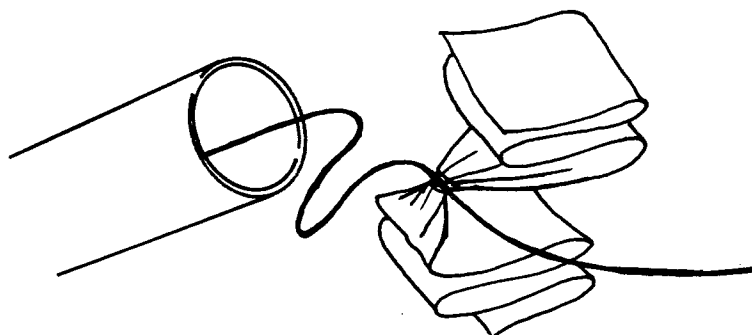
Pack flameproof wadding into the body tube from the top, pushing it down towards the engine. Fold the streamer carefully and pack it on top of the wadding. Pack the cord on top of the streamer and insert the nose cone assembly in place.

Use an MPC Ignitor or bend a short piece of nichrome wire and insert in engine. Hold wire in place with a piece of tape. Insert the engine in engine compartment. Be sure the engine is a tight fit. If the engine can be pulled out with just the fingers, it is too loose. Apply tape lengthwise on the engine until a good fit is achieved. **A TIGHT FIT IS A MUST!**

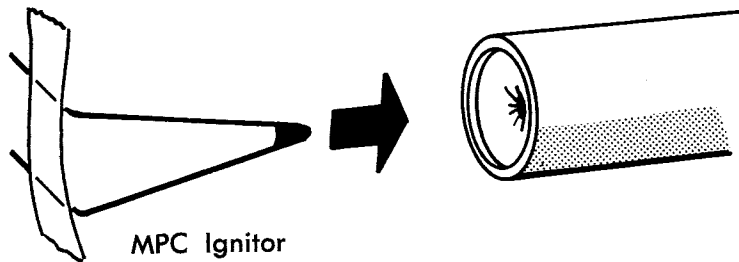
A small amount of talcum powder on the streamer will keep it from sticking together.

**NOW FOLLOW PROCEDURE LISTED ON COUNT DOWN CARD**

For a good flight, each and every time, use an MPC LUNAR LECTRIC LAUNCH PAD, and LAUNCH CONTROL to fly your model rocket.



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MPC Ignitor

In the event that engines are not available in your area, take advantage of our three engine package by sending \$1.25 to MODEL PRODUCTS CORP., 126 Groesbeck, Mt. Clemens, Michigan 48043.

If under 13 years of age, your order must be accompanied with a note from parent or guardian.