P.T.S. SHAMAN

The P.T.S. Shaman is a patrol transport ship of the American Alliance in the late 21st century.

This kit has pre-cut balsa wood fins, pre-shaped nose and features rear ejection parachute deployment. Sticker decals and plastic engine pods are included.

SKILL: Level 2 LENGTH: 16" DIAMETER: 2.3"

WEIGHT: 9 ounces

MMT: 24mm

RECOVERY: 18" rip-stop nylon

parachute

RECOMMENDED MOTORS:

D12-5, E15-7

All kits require assembly. White glue, epoxy, finishing supplies, launch system, recovery wadding and rocket motors for launching are NOT included.

-Since FAT CAT ROCKETS, INC. cannot control the use of its products once sold, FAT CAT ROCKETS, INC. cannot be held responsible for any personal injury or property damage resulting from the use, handling or storage of this product and its components. The BUYER ASSUMES ALL RISKS AND LIABILITIES therefrom and accepts and uses FAT CAT ROCKETS, INC. products on these conditions.

-All our model rocket kits are RECOMMENDED for age 12 and up with adult supervision.

-Our rocket kits contain small components that could easily be swallowed by young children. Keep all components out of reach of all children under 10 years of age.



P.T.S. SHAMAN

PARTS LIST:

- BODY TUBE (17 1/4" long)
- 24mm MOTOR TUBE (8 1/2"long)
- × LAUNCH LUGS (2)
- BULKHEAD PLATE
- × CENTERING RINGS (2)
- × THRUST RING
- × PRE-CUT FINS
- PLASTIC ENGINE PODS 2
- SHOCK CORD MOUNT
- 3/8"SHOCK CORD (3@" long)
- 18" PARACHUTE
- STICKER DECALS

ASSEMBLE THIS KIT: ITEMS YOU WILL NEED TO

- × PENCIL OR PEN
- * HOBBY KNIFE
- * YELLOW GLUE
- * 5 MINUTE EPOXY
- * PLASTIC C.A. GLUE
- * SANDING PRIMER
- * PAINT (your choice)
- RULER

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SANDPAPER (180 and 320 grit)

ESTES- D12-5; E9-6 (calm days only) RECOMMENDED MOTORS

REROTECH- E15-7; E30-7

to help protect the bulkhead plate. Use of recovery wadding is suggested

STEP 1

upright/pylon lines. A. Using the wing pattern as and bottom of the wings with components together. Mark the top reference, lay out and glue the wing

top of the uprights. uprights. NOTE: The crossbar sits on B. Glue the crossbar to the fin

STEP 2

sure the chisel point of the nose is in line with the wing lines. body tube for wing placement. Make A. Using body tube guide, mark the

desired trailing edges of the wings and fins as B. Sand and round the leading and

STEP 3

guide for assistance. A. Attach the wings to their lines on the body tube. Use the wing/tube

of the wings. on the drawn lines. The back edge of B. When assemblies are dry, attach the uprights are flush with the back the crossbar assembly to the wings

STEP 4

pylons. Make sure the pylons are on attach the engine pods to the engine A. Using a C.A. plastic adhesive, the pods straight.

assemblies onto the lines drawn pylons are flush with the front of the under the wing. The front of the B. Attach the finished pod

B. Fillet all joints for reinforcement. at the front and back of the wing. wing at the wing/body tube joint. One A. Attach the launch lugs under one

assembly instructions. cord mount and motor mount A. Refer to the diagram for the shock

there must be enough room to slide the of dowel if necessary. Remember, motor mount assembly into the tube. B. Epoxy the bulkhead plate as far into the body tube as possible. Use a piece

A. When the bulkhead is dry, slide the assembly in, this is a rear ejection rocket. the rocket. DO NOT glue this motor mount assembly into the back of

STEP 8

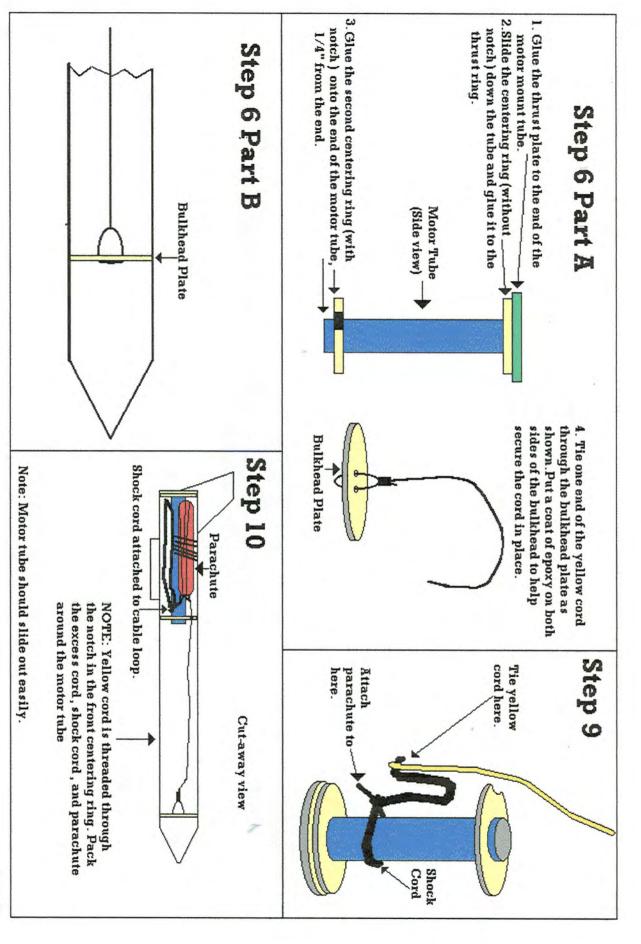
A. Prime and sand model as desired.

B. Finish and paint as desired C. Apply stickers as shown

STEP 9

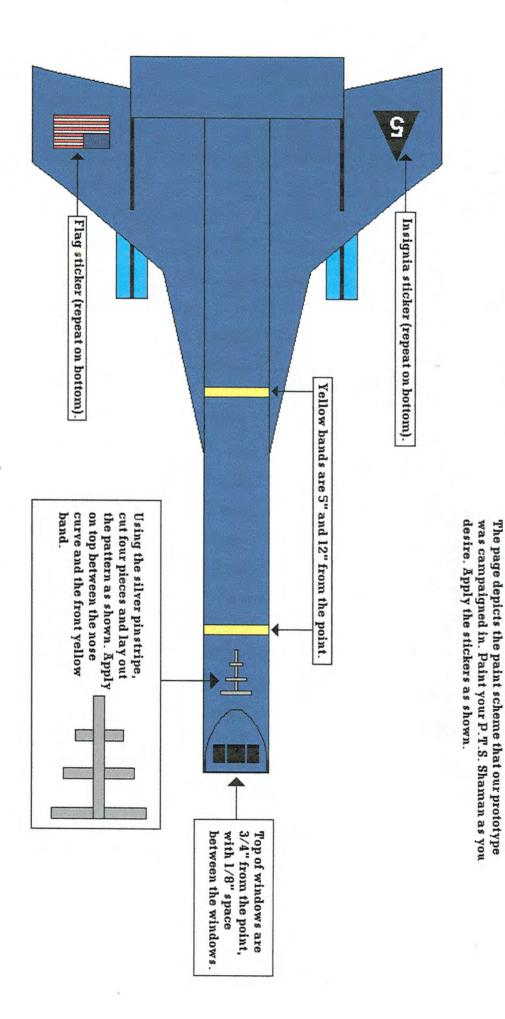
diagram for assistance cord near the motor tube. Refer to the the yellow cord. Tie the other end of A. Attach one end of the shock cord to B. Attach the parachute to the shock the shock cord around the motor tube

shroud lines into the chute, and lay the chute loosely around the motor tube. A. Refer to the diagram for assistance. When loading the chute, fold the



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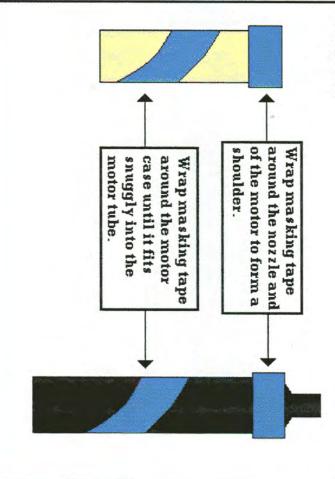
P.T.S. Shaman Finish Page



ATTENTION!

Be sure to follow NAR and TRA safety rules and codes when flying this model.

This model kit is designed for friction fit motor retention. Fat Cat Rockets leaves it up to the model builder to use whichever retention system they desire. Refer to the diagram for friction fitting info.



This model (if built to instructions standard) is properly weighted for flight.

Use at least a six foot rod for flying this model

If you have any question, contact us at: 352-385-1994 or: info@fatcatrockets.com

