



# King Cobra in Profile

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main spar, leading edge spar and 1/8 in. plywood bellerank mount. Pin 1/16 in. sheet trailing edge in position on plans. Pin the 1/8 in. main spar in position, upright, with notches up. Glue in all ribs in their proper places, followed by 1/16 in. sheet top trailing edge. Run a bead of glue along extreme edge of trailing edge. Next, glue leading edge spar in place.

Drill hole in 1/8 in. plywood bellerank mount and install bellerank with leadouts and pushrod soldered in place. Remove wing from plans and glue in 1/4 in. square in center-section of wing and 1/4 in. square under bellerank mount. 1/16 in. sheet leading edge planking is glued in place. By wetting one side of these sheets and slowly bending around a broom stick, the sheet will conform to the rib curve.

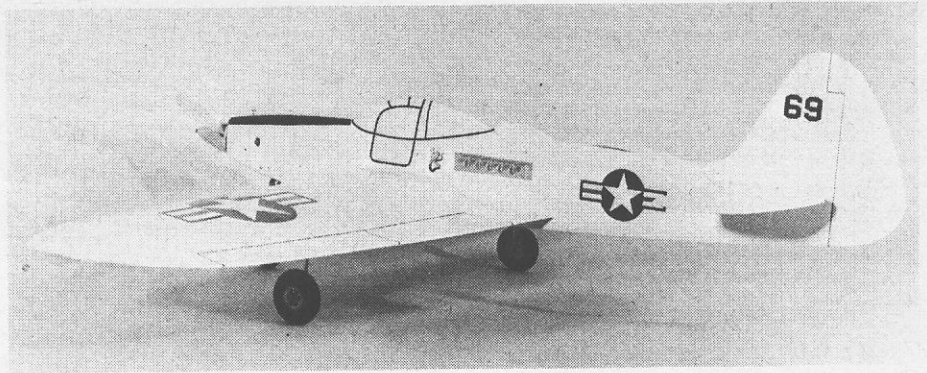
Glue in hardwood landing gear mounts, as shown on plans. Plank the top and bottom of center-section and wing is complete. Use 1/8 in. dia. wire for landing gear. The landing gear is held in place with 1/2 in. wood screws and large washers, which works very well. (See photo)

Cut out main part of fuselage from 1/2 x 4 x 36 in. balsa. Add 1/4 x 1/2 in. strip at bottom and 1/2 in. square at top. Next, install the canopy and the air intake. To eliminate a lot of parts use 1/2 x 6 in. and cut out the entire fuselage in one piece.

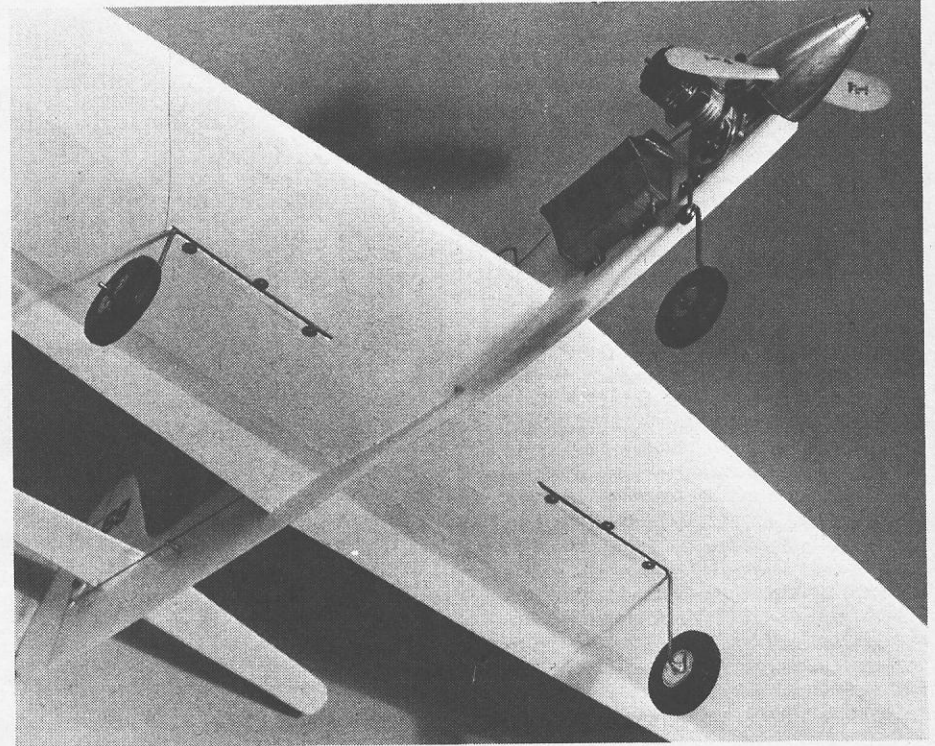
The motor mounts are cut from 3/8 x 1/2 in. hardwood stock and glued in place. Saw out the 1/8 in. plywood doublers and feather all edges with sandpaper, except the front of the doubler. Use 4-40 blind nuts directly on the motor mounts in order to keep the sides clean. Now glue the doublers in place with contact cement. Drill a 1/8 in. dia. hole through the 1/8 in. plywood doubler and into the motor mount for the nose gear strut, making sure not to go all the way through. After this, bolt nose gear strut in place as shown.

**Tail Surfaces:** Make rudder from 1/8 in. sheet and round off all edges. Cut the stab from 3/16 in. sheet, round off all edges and add the cloth hinges. Mount the control horn as shown on plans and glue stab to the fuselage. Glue rudder in position, using the same amount of offset shown.

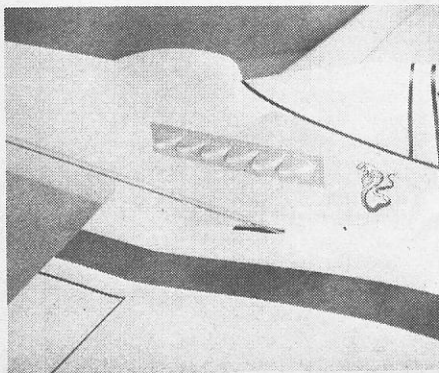
Cover the entire model with silk, Silkspan, or nylon. Dope the model and add the remaining hardware (tank, wheels, engine, etc.). You are now ready for the air. It's a good smooth flyer, and we hope you have fun. ●



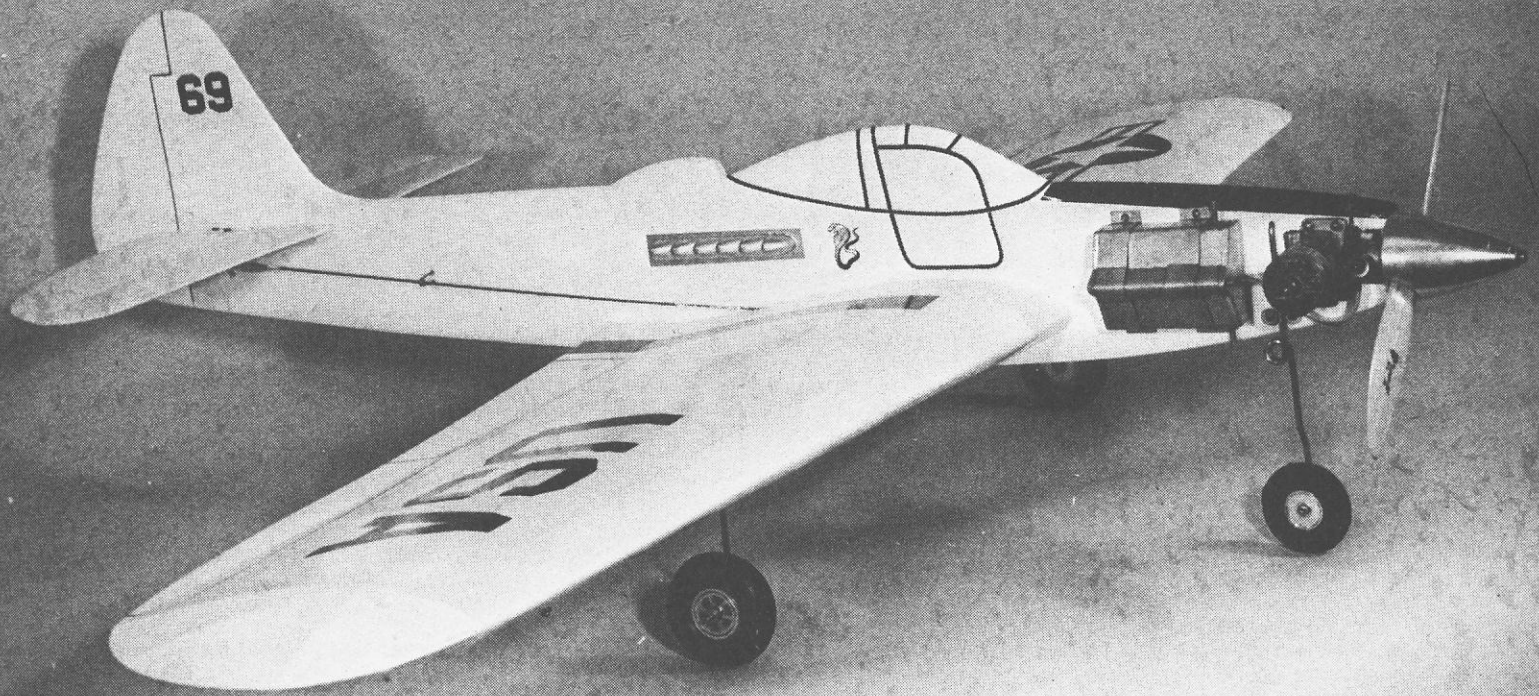
Strong King Cobra flavor, in a simple profile.



Gear attaches R/C style. Torsion effect helps.



Detailing is simple, effective.

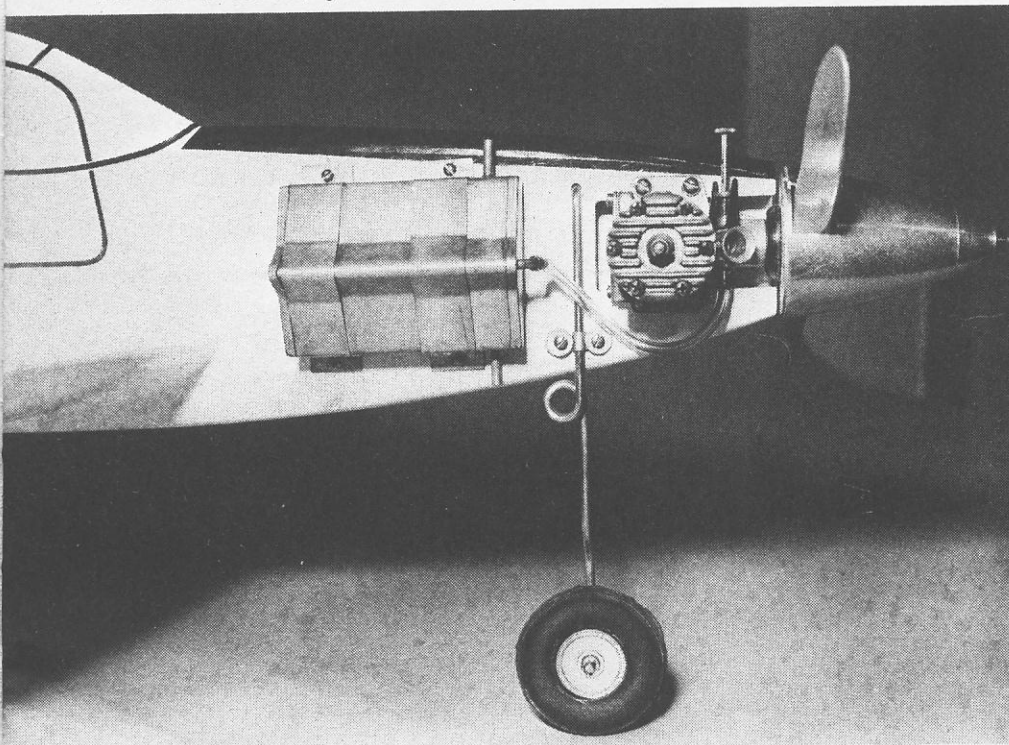


FULL SIZE PLAN AVAILABLE THROUGH "MODEL PLAN SERVICE"

SLOW COMBAT,  
a growing trend in Controline flight

# Vince Micchia's "King Cobra" in profile

Side mounted mill, engine easily mounted, the tank bolts to doublers, good fuel flow. easy.



◆ Slow Combat seems to be gaining popularity all over the country as a new sport and contest event. The majority of Slow Combat ships being used today are commercial kits modified to look like WWII fighters. Some of these kits must be flown with a throttled down or extra rich engine in order to stay below the speed limit.

The P-63 "King Cobra," chosen for its clean lines and the handling ease of a tricycle landing gear. Of course, it is fully acrobatic, being capable of flying the AMA Acrobatic Pattern with ease, so if you have no Combat in your blood, the "Cobra" is an excellent sport Stunter.

The "King Cobra" is designed specifically for Slow Combat. It is slower flying than most profiles for a simple reason—larger wing area, which not only slows it down, but contains the extra lift necessary for tighter turns. It will turn on a dime and give 11 cents change.

You will notice some ideas stolen from the R/C modelers and incorporated into the "Cobra." The nose gear strut contains a coil spring for absorbing landing shock. Another is the use of a nylon clevis at the end of the pushrod and connecting to a nylon R/C horn. The modeler has an unlimited selection of R/C hardware adaptable to Controline.

**Wing Assembly:** Cut four pieces 1/16 x 1-1/4 x 23-1/2 in. and make diagonal splice at center-section as shown on plans. Glue together and set aside to dry. Cut all ribs,

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