Shoestring Racer at a glance

Wing span	34¾ inches
Fuselage length	29½ inches
Airfoil	semi-symmetrical
Wing area	220 square inches
Wing chord	8⅛ inches
Weight	27-34 ounces
Wing loading	20 ounces per square foot.
Power required	.10 to .15 two stroke
Radio requirements (ail, elev, pwr, opt rudder)	3–4 channel 3–4 mini servos

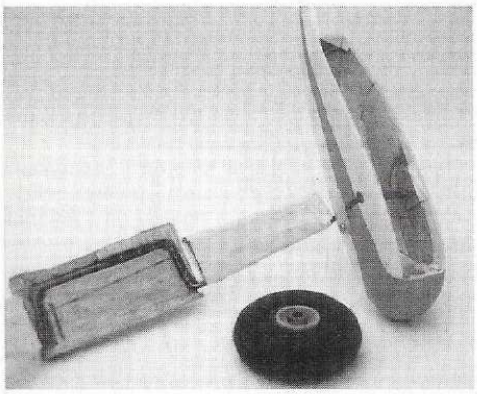
Shoestring

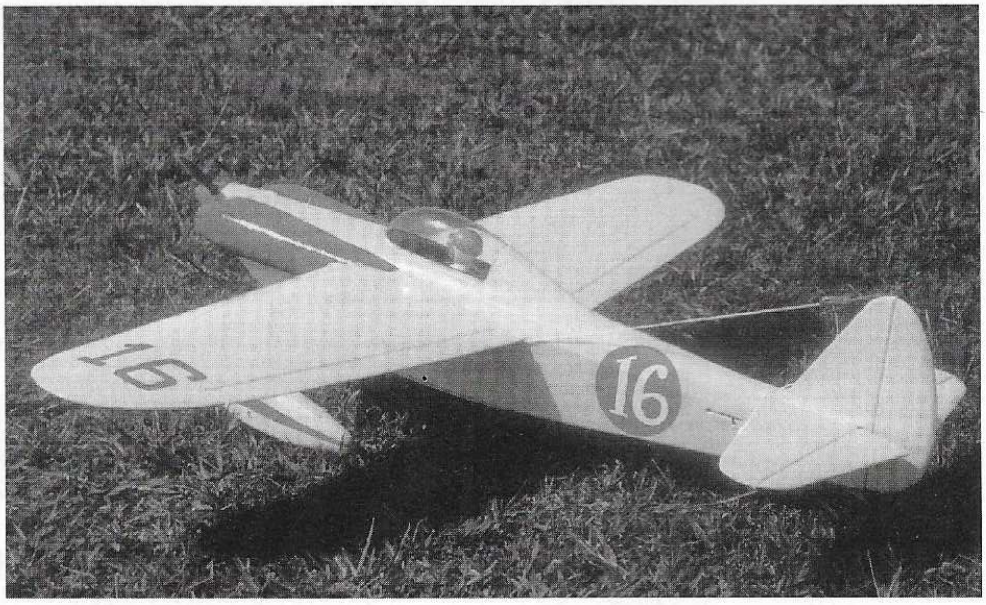
The *Shoestring* first raced in 1949, the most successful Formula One racer in history. Jim Farned built his model in the color scheme close to that of the original. It is fluorescent yellow MonoKote with red trim. The *Shoestring* was a consistent winner with nine national championships to its credit. Numerous versions have raced at Reno including the *Wagner Solution*, *Top Turkey*, *Rickey Rat*, etc. This was a natural choice for an R/C airplane. The shoulder mounted wing helps with the easy flying characteristics. The overall proportions make this an excellent model.

The most unique feature of Jim's R/C version of the *Shoestring* is the fully enclosed cowl. This cooling system is very efficient and looks great. With the proper amount of vents in the cheek cowl this engine runs cool while being completely hidden inside.

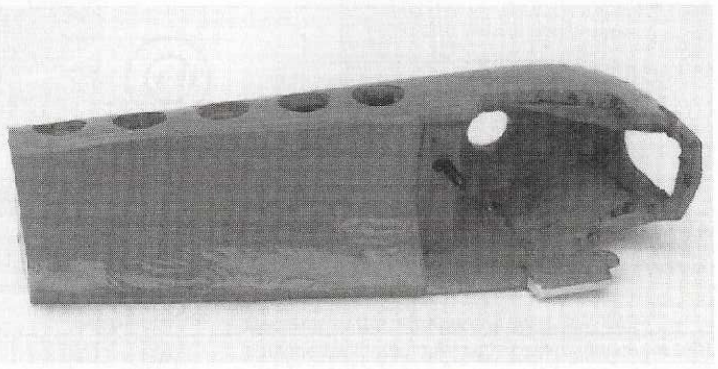
The wheel pants also are innovative in the way that they fit easily onto the landing gear. They are made up of laminated balsa with 1/16-inch ply sides. ⅛-inch ply doublers on either side of the landing gear keep them straight. Thickness of the wheel pants depends on the wheels that you've chosen. They can be removed quickly if needed. But this one has been flown out of a grass field with the wheel pants on and there was no need for concern.

The fuel tank is easy to get to thanks to a removable hatch on the right hand side of the aircraft. Stringers were added to the fuselage construction to give a more scale appearance to the finished model.





The *Shoestring's* wheel pants design **(above)** can easily be adjusted, when built, for thickness of the wheel. The design also works well even on grass fields. The optional rudder adds a fourth channel and servo to the *Shoestring* **(at right)**. This is a one-piece airplane, easily transported in any car. Radio equipment access is through a bottom hatch.



From this head-on view, you can see the cooling air entry hole on the right cowl cheek of the *Shoestring* **(above left)**. The cowl cheek is a fully enclosed module **(above right)** that screws onto the right side of the front fuselage. Note the exhaust air holes on the bottom side of the cowling cheek. Works really well.