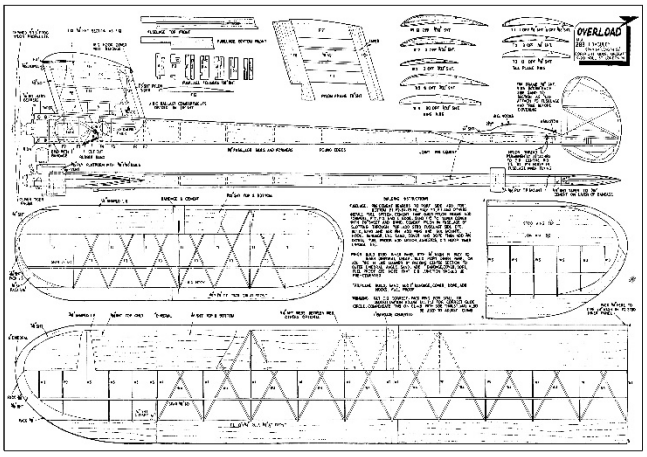
Overload





New Rule F.A.I. Power Model J. Baguley.

Overload is an appropriate name for this model designed as it is to the new F.A.I. formula, which means it must weigh 26 ½ oz. The construction follows usual practice and the instructions on the plan are more than adequate for the experienced builder to follow (this is not a beginner's model); however the following notes on trimming will be of assistance in getting those " in the groove " flights.

Firstly, weigh the model to ascertain the amount of ballast needed to bring it to the F.A.I. weight of 26 ½ oz. Assemble the model and determine where the ballast should go to bring the c.g. on, or slightly in front of, the position shown on the plan, then install it in the pylon weight boxes, taking care to position it firmly.

Check that the tailplane incidence is correct in relation to the engine thrust line and test glide, adjusting the wing incidence and tail tilt to give a glide with slight right turn. With a motor run of 10 sec. and d.t. not much longer give a low powered flight. The model should climb slightly right, at 60 deg. attitude, and slip into a glide. If the model docs not do this, get the glide correct by adjusting tail tilt and wing incidence before further increasing the power. Once these adjustments are made the power may be gradually increased, but if on higher power the model turns too tightly, cement a small piece of 1/16 in. sq. to the left- hand side of the fin and balance the effect on the glide with more tail tilt.

If the model shows looping or left turning, or rolling tendencies, cement a small piece of 1/16 in. sq. to the right-hand side of the fin and balance this with decreased tail tilt for the glide.

The wing warps should be strictly adhered to as the whole trim is based upon the slight left rolling effect provided by the increased incidence of the right-hand inner panel. The glide should be directly comparable with that of an open power model and in correct trim the model should be capable of at least 3½ min., that is, using a hot competition 2.5.

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