

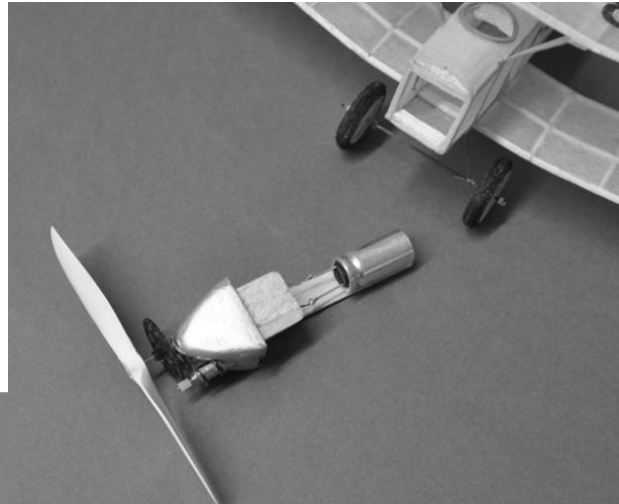
Driving Pistachio Model Udet Flamingo

Heinrich EDER

I replaced the rubber motor in Pistachio models, using a power unit consisting of a 6 x 12 mm (diameter x length) coreless DC Motor with 5.5 Ohm static internal resistance in combination with a 1:6 gear. The gear has a modulus of 0.3. The propeller was a REELY 80x 50 mm. The motor unit with gear and propeller was removed from a commercial available small fun model „Roomie“ manufactured from REELY. The propeller is also available as a replacement part. The power unit is displayed in the attached figure. For switching the motor on/off a SMD micro switch was integrated on bottom of the fuselage head. Suitable EDLC`s types are the Greencaps from Samwha. They are available with capacities 3, 5 and 10 F (Farad) weighing 1.4 , 2 and 3 g, respectively. 0.15 – 0,20 g can be saved by removing the shrink hose and shortening the legs to one third of the original length.

My Udet U-12a „Flamingo“ Pistachio weighs empty without fuselage head 3.6 g and with built in fuselage head and power unit 8.2 g.

The entire drive unit can be inserted into the fuselage and is locked with a little pin from 0.012 inch piano wire. The second figure shows the complete model built after a Walt Mooney plan published from Hip Pocket Aeronautics.



I flew this Model in Nimwegen out of contest with 3.3 Volts voltage at start. If I charged 3,5 Volts the model touches the ceiling!

REELY “Roomie”

Ce petit jouet, dont Heinrich Eder a récupéré la partie propulsive, est disponible sur le Net pour une trentaine d’Euros (semble indisponible sur Conrad actuellement). Le Flyzone INUM semble bien être le même modèle pour un prix comparable. JC

