

Electric Nose-Lift Update

Steve Wright (TN) - With the help of many CSA members, the revised design of the electric nose-lift system is complete. The nose-lift kit complete with all hardware, electrical wiring, switches, plans and engineering drawings will be ready to ship the last week of October. **Thanks** to Vance Atkinson, Tom Ellis, Michael Link, and Pat Reina for design, testing and engineering help. A **very special thanks** to Pat for allowing the use of his Cozy to proof the prototype system. Pat spent over two weeks of full time work machining parts, installing and testing all of the modifications in his Cozy.

The electric nose-lift was designed by Tom Ellis to solve the problem of manually lifting the nose of EZ type canard aircraft that normally park on the nose. We used Tom's basic de-

sign and modified it to handle heavier loads. With the nose-lift, the aircraft can be fueled and loaded with baggage and one average size passenger while parked on the nose. It can then be lifted with the electrically powered actuator to the near level position where the pilot can mount the craft and continue to the level position for taxi and departure. After the flight the craft is taxied to the ramp, shut down, then the nose can be partially lowered for EZ exit. It can then be lowered all the way to the nose down parking position as the gear is fully retracted.

The nose-lift is a bolt-in retrofit to all EZ type aircraft. It is priced at \$750 for the first 25 units. After the first 25 units are made a modest price increase will be necessary to cover all of the unanticipated production costs.

The very compact unit weighs only 8

pounds more than the unit it replaces, has a manual override and I feel is a good value for the money. I have purchased a production run of 100 linear actuators from Thompson Saginaw and have contracted with a machine shop to rebuild the actuator with the manual override. We will produce the spring & slider mechanism and all the necessary parts for 50 units within the next 4 months. If anyone wishes to purchase just the actuator, I will be happy to sell the actuator with the manual override alone for \$285. I checked with Thompson Saginaw to develop an override but their cost was excessive. The override will be built into the unit in our shop.

For more information or an order form contact me at:

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