

Navaid Autopilot GPS Coupler

Michael Marshall (MO) - It was with some trepidation that I purchased a GPS coupler from Porcine Associates one year ago. I didn't need a marginal thing to fiddle with. I have a Navaid Autopilot I built from a kit some years ago and a Garmin panel mount GPS. The Navaid never really followed a VOR signal very well. These three boxes work well together.

Now I can fly cross country direct, or watch the VOR needles flip as the coupled GPS flies from station to station. Jim Ham was friendly and helpful with advice about the compatibility and installation.



For Sale

Vari-Eze cowl \$100 each, Vari-Eze canopy \$150, 3" O-200 prop extension \$125, Continental O-200 125 TT, 50 SMOH \$6500/OBO (no vacuum, starter, or alternator), Narco Mk 12D w/Glideslope includes indicator \$1950, Collins transponder \$550. Contact:

David Hummer
P.O. Box 3760
Santa Monica, CA 90408-3760
(310) 990-2098

Breaker Switches For Sale

5 Amp breaker switches that sell at airshows for \$12. I will sell them at \$5 delivered to you. Contact:

Michael Amick
615-790-0341

GPS Interference

It is known that there may be GPS interference when the com radio is used. The interference was previously considered to be related to a harmonic frequency com transmitter signal.

A recent issue of Transport Canada's Aviation Safety Vortex magazine published an interesting finding. It seems avionics shops discovered when certain VHF frequencies were used, the outbound VHF signal impinged on the ELT antenna, traveled down the antenna and excited the final output transistor in the ELT. The ELT then put out a weak harmonic signal that interfered with the GPS.

Engineers switched to different brands of ELTs and had mixed results. Sometimes the interference vanished and some times it did not. Aircraft with antenna less than 3' apart may be more susceptible to interference than those with great separation. Even that concept is not proven, however, as helicopters whose antenna are usually less than 3' apart have reported no GPS interference.

It seems it will take a while to sort out the problems of the new nav system. If you have noticed GPS interference when you transmit please contact Transport Canada Aviation. Contact Bob Merrick; Transport Canada Aviation System Safety (AABA); Place de Ville; Ottawa ON K1A0N8. Phone: (613) 990-5440, FAX (613) 990-1301, and E-mail: Merrick@tc.gc.ca. It is nice to know that a government agency is doing something good.

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For Sale

Long-EZ for sale: Parting out O-235-L2C, mode C, Great American prop.

Dan Mislik
4208 Woodland
Flushing, MI 48433
(810) 732-6547