

# ADAMS' LEADING EDGE

ISSUE:

Autumn '07

"News and Offers from Europe's Premier General Aviation Parts and Accessories Source"

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*'plane speaking people.*

## EASY EASA RESEARCH

### NEW REGULATORY PRODUCT FROM ATP

ATP is not only the single-source solution to provide both FAA and EASA Airworthiness Directives (ADs) in the same viewer, but ATP is the ONLY single source solution to provide both.

The FUW EASA Regulatory Library is available now and includes;

- EASA ADs (both light and heavy)
- EASA TCs
- EASA Regulations
- EASA Implementing Rules

• EASA Acceptable Means of Compliance & Guidance Material  
• EASA Certification Specifications and is updated bi-weekly. It also includes JARs Section 1, which is updated quarterly, priced at \$475 this product could save you hours of research time and help with compliance to "Part M".

Subscribers to ATP FAA regulatory libraries can now have the most

complete Airworthiness Directives search tool available on the market and can access and search one compliance record that combines both EASA and FAA ADs.

**"... save you hours of research time."**

The EASA regulatory library includes automatic online revisions and can be configured to a network or stand-alone solution.

## MODE S CLARIFICATION

The most common avionics questions we are currently asked are about Mode S transponders. They tend to include "Do I really need a mode S transponder?", "Do I need an elementary or enhanced model?" and "I know I'm going to have to have a mode S, but when?". This hugely complex subject on which lots of people have different interpretations is complicated by different countries enforcing different rules at different times (so much for a single market!).

To try and explain all of the intricacies would take much more space than we have available, so here are some highlighted points for the UK market:

Starting from 31st March 2008, UK aircraft already required to carry a transponder will be required to become Mode S compliant (subject to a transition period).

Starting from 31st March 2008, Flights in the UK at and above FL100 and IFR flights in controlled airspace below FL100 will require Mode S transponders.

From 31st March 2008, Mode S transponders will be required for public transport category flights.

The UK CAA have allowed a four-year transition period for aircraft already fitted with Mode A/C transponders. All new UK SSR equipment installations or new aircraft being brought into service with an SSR transponder already installed must be Mode S (Elementary) compliant by March 31st 2008.

**"... We can supply both elementary and enhanced units ..."**

Whatever your needs, we have at least one solution, often more, and often at a lower cost than you might expect. We can supply both elementary and enhanced units from manufacturers such as Garmin, Filser and Garrecht. Some are even "plug-and-play" replacements for existing Mode C transponders.



Just two of the Mode S options available.

If you would like further information call us and speak to Robin Walsh, or you can check the current CAA requirements at [www.caa.co.uk/modes](http://www.caa.co.uk/modes).

## CORROSION PROTECTION

Adams Aviation are now the Importers and Distributors for ACF-50 and Corrosion Block.

Most aircraft will suffer corrosion problems at some time - the application of ACF-50 every 12 months or so will minimise the possibility.

ACF-50 Anti-Corrosion Formula carries MIL-C 81309E Type II & III and is a state-of-the-art "thin-film technology" product specifically designed for the Aerospace industry. It is approved for use in structural areas i.e.; wing sections, fuselage, stabilisers etc. as well as on avionics and in connectors.

**"... thin-film technology ..."**

ACF-50 is an "added-value" item that can be offered to owners/operators at scheduled maintenance times or as a stand alone service.

ACF-50 is available in various small package types for direct application or in larger containers for use with the Aviation Application Spray Kit - we are looking for more strategically placed application centres.

For further details or technical information, please contact Dave Heppell.

[www.adamsaviation.com](http://www.adamsaviation.com)

## NEWS IN BRIEF

### Ask for Barry

We are now an official Barry Mounts distributor and have a wide range of part numbers in stock and ready for immediate shipments.

Barry have FAA-PMA'd products for all popular light aircraft models and we are normally able to cross refer directly from a Lord part number, thereby saving you money as they tend to be very competitively priced.

### Turbine Oil

As part of our continuing programme to increase the range of lubricants and chemicals that we can offer, we now hold BP2380 Turbine Oil in stock.

### Superior Warranty

Superior Air Parts now offer a three-year or 500 hours "Money Back" guarantee on their Millennium cylinders.

Today there are over 100,000 Millennium cylinders meeting, and often exceeding, the demands of discerning pilots, engine shops, operators and flying schools the world over.

Millennium cylinders resist cracking, run cooler, last longer and generally out perform the cylinders available from Lycoming, Continental or any other aftermarket supplier.

### Green G.A.

Aviation has been in the news quite a lot recently with regard to the environmental impact of flying. Whilst few people would claim that aviation doesn't have any effect on the environment, GA shouldn't be tarred with the same brush as the international airlines. Here are some interesting comments made by member of parliament Lembit Opik at a recent BBGA meeting.

"The entire British General Aviation Industry uses less fuel every day, than one jumbo jet on a single transatlantic crossing." "British General Aviation's annual fuel consumption is exceeded every three hours on Britain's roads."

"Unlike the commercial jets, Britain's GA community pay more per litre for their fuel than car drivers, because they pay the full tax."

So perhaps those of us in General Aviation aren't such bad guys after all!!

***Our Aim:- To be the Preferred Supplier of Gen***

## WE GOT THE POWER

JTM have appointed Adams Aviation as exclusive European aviation distributors for their Aero Start range of jumpstarters and power supplies. With models outputting 12V, 12 & 24V and 28.5 Volts and cranking amps from 680 to 2530, JTM units cover just about every requirement of General Aviation piston aircraft and helicopters up to turbo props and turbine helicopters. The units are high quality, but you'll be surprised how low the price are.



The Aero Start 1

The Aero Start 1 is the most compact and lightweight 12 Volt engine starter suitable for starting your light fixed wing or helicopter aircraft. This is a feature-packed system that is ideal

for field operations or carry-on applications.

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**"..... you'll be surprised how low the price is."**

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Available with either NATO 3-Pin connector or heavy duty clamps to suit most aircraft, this system will appeal to even the most cost-conscious owner.

Features include:

- Non-spillable aerospace battery technology
- Super-tough powder-coated steel casing and protected front panel
- Lightweight and compact form factor - ideal for air transport
- Internal surge and spike suppression to protect delicate avionics systems
- Visible polarity indicators to help guard against incorrect connection to aircraft systems.
- Microprocessor-controlled multistage charger for fast, accurate charging.

For further information on the JTM range, please contact Robin Walsh.

## EMERGENCY FREQUENCIES TO BE TURNED OFF

The International Cospas-Sarsat Programme - a programme that uses a satellite constellation to relay distress alerts to search and rescue authorities - announced that it plans to terminate satellite processing of distress signals from 121.5/243 MHz emergency beacons on Feb. 1, 2009. Aviators, using emergency beacons will need to switch to those operating at 406 MHz if they want to be detected in an emergency.

A major factor in the decision to stop satellite processing of 121.5/243 MHz signals is problems in this frequency band which inundate search and rescue authorities with false alerts, adversely impacting the effectiveness of lifesaving services. Although the 406 MHz beacons cost slightly more, they provide search and rescue agencies with more reliable and complete information to do their job more efficiently and effectively.

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**"Uniquely Adams Aviation are approved to programme."**

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Adams have a range of 406 MHz ELTs available from stock manufactured by

Kannad and Artex. These can be fixed, portable or survival configurations.



406 Beacons from Artex and Kannad

We also offer 406 MHz personal locator beacons (PLBs) from McMurdo, GME, Kannad and ACR.

Uniquely, Adams Aviation are approved to programme Artex, Kannad, McMurdo and ACR ELTs, enabling us to normally ship pre-programmed from stock.

PLBs came a step closer to becoming standard safety issue recently when the UK CAA announced an important U-turn on permitting only "approved" safety equipment to be used for general aviation. The CAA intends to issue a general exemption from the Air Navigation Order (ANO) for light aircraft engaged in non-public transport flights, stating that PLB equipment may be carried and need not be aviation approved.

## LED LIGHTS

Whelen have introduced Model 71055 Series LED Anti-Collision Lights to its family of aviation safety lighting products.



The 71055 Series LED beacon is designed as a high-quality long-lasting replacement to existing quartz halogen flashers and remote strobe lights currently mounted on single engine Cessnas 1967 and later, & Aero Commanders. Its compact size (2.6" dia. x 3" high) also permits replacing remote mounted strobe lights and power supplies on many other different fixed wing platforms. Utilising LED (Light Emitting Diode) technology, Whelen is able to provide the following advantages compared to existing light assemblies.

Features:

- Lamp Life - the LED light source has

shown conservative lab-life results greater than 20,000 hours.

- Reduced Power Consumption - more efficient than alternative light sources.
- No External Power Supply
- Reducing Operating Costs
- Shock and Vibration Resistant - no fragile filament
- Utilises State-of-the-Art Surface Mount Technology
- No EMI or RFI Interference
- FAA TSO-C96a Class III Approved
- Hard Coated Clear Polycarbonate Lens
- Unit Complies with Colour Requirements per FAR Parts 23,25,27 and 29 for Aviation Red
- Reduced Weight (0.55 lbs.)
- 3 Year Warranty.

### "Reducing Operating Costs"

Models Available:-

LED Beacon 14V- P/N 01-0771055-00

LED Beacon 28V- P/N 01-0771055-01

For further information, please contact Peter Witherick.

## ADAMS APPOINTED TRANS-CAL DISTRIBUTOR

We are delighted to announce that we have been appointed a distributor for Trans-Cal Industries, manufacturers of the ubiquitous D120 and SSD120 altitude digitiser/encoders.



The incredibly small and lightweight Nano

Whilst Trans-Cal have been manufacturing encoders and digitisers for 34 years they continue to develop new and revolutionary products, the latest of which is the SSD120 Nano range of encoders which are the smallest lightest and lowest power consumption TSO units on the market. Measuring less than 2.5 by 3.5 by 1.5 inches.

There are many variations available with models covering 30,000 to 100,000ft, various resolutions down to 1ft, extended operating temperatures

and multiple RS232 serial data ports. With a MTBF of 9.7 years, Trans-Cal now offer the longest warranty in the market of 42 months for all of its solid state encoders.

### "... the longest warranty in the market ...."

Transcal also manufacture encoder test sets, including the new EET200. This very cost-effective hand held device has a built-in vacuum system and allows testing of the encoder, harness and power supply in a few minutes by providing a known good altitude code source to aide in isolating each data bit D2 through C4.



The new EET200 test set

For further information, please contact Steve Langston.

## NEWS IN BRIEF

### Free Can Opener

Opening oil and hydraulic fluid cans with a screw driver is a sacking offense within one of the world's largest helicopter operators because of their concerns about swarf.

If you'd like to avoid metal shards in your engine oil before you've started, just ask for a completely free opener with your next consignment of Jet II, Jet 254 or Aero HF.

### The Universal Ignition Harness

If we do not have your required harness, you may want to consider a universal harness from stock. We have options for RHM spark plugs (3/4-20) and for REM spark plugs (5/8-24) 4 or 6 cylinder.

### Sky-Tec OEM Fit on Robbos

The Sky-Tec starter is now original fit on Robinson helicopters. There are two types, 14912HT/H + 24HTH, 12V and 24Volt respectively. We can supply the required link free-of-charge for customers replacing a B and C starter.

### FBO Directories

We now stock the ACUKWIK FBO Directory, International and Worldwide editions. These directories provide information on airports, FBO, ground transportation, charter, caterer, fuel suppliers, handlers and maintenance organisations. The worldwide edition also features hotels, customs info. and a CD-ROM.

### Exxon Mobil

Adams Aviation are the UK's leading distributors for Exxon Mobil Aviation products - available from stock.

Exxon Elite is the class leading semi-synthetic 20W-50 multigrade piston oil. With proven superior corrosion protection, Exxon Elite continues to out perform the opposition - always available from stock in quart bottles - 55 usg drums available within 5 working days.

Other Exxon Mobil piston oils - including the new 20W50 break-in grade are held here at Biggin Hill. Mobil Jet II and Mobil Jet 254 along with Hydraulic Oils, Mobilgrease 28 (tins & cartridges) and SHC 100 are also stocked.

For further information or tech sheets etc, please contact Dave Heppell.

# AERO 2007 - AN INTERNATIONAL SUCCESS

Once again we participated at the Aero exhibition in Friedrichshafen, only this time we had our largest stand ever. Some people mistakenly consider this to be a German show only but in fact it attracts visitors and exhibitors from all over the world.



Our Stand at Aero

As well as Adams people from our UK, German, French, Italian and Polish sales teams, we were delighted to be

supported by many European and American manufacturers. Rapco, JTM, Exxon, Sky-Tec, Edel, Trans-Cal, David Clark, Kannad, Lear Chemical, Kelly Manufacturing (R.C. Allen), McMurdo, Telex and Mid-Continent Instruments were all part of the Adams "pavilion". This gave visitors to our stand an unprecedented opportunity to meet with lots of manufacturers and learn about what's new.

**"... our largest stand ever."**

If you want to see what you missed, then take a look at [www.aero-friedrichshafen.com](http://www.aero-friedrichshafen.com). Adams will be participating at Aero 2009. If you want to keep up to date with what's happening in G.A. perhaps you should visit, we're sure you'll find it very rewarding.

## DIGITAL TENSION METERS

Following in the footsteps of the popular ACM200 mechanical tension meter, Tensitron have launched a range of digital tension meters.

Weighing in at just 1 1/2Lb (depending on model) these gauges have a rechargeable NIMH battery giving around 6 hours of use, but have an automatic shut-off after ten minutes of non-use to conserve the battery.

**"... display up to five separate tension readings ..."**

The large graphic display has adjustable back lighting and contrast and shows tension, battery charge level and cable size selected. Tension values can be displayed in Lbs, Kgs or Newtons and you can push a button to activate the memory function to store and display up to five separate tension readings plus the average value of

these stored readings. Accuracy is +/- 2% full scale and the units come with a carry case, calibration certificate and a cable diameter gauge.



The ACX250

Choose from the ACX250 which has a range of 20-250Lb and covers 1/16, 3/32, 1/8 and 5/32 cables, or the ACX500 which has a range of 40-500lb and covers 3/32, 1/8 and 5/32 cables. There are even options that allow you to interface the testers with a windows PC.

Contact Richard Turner for further details.

## MEET THE ADAMS FAMILY

Lyn Gibbs is a member of our front-line sales team and is likely to be one of the first people you talk to when phoning Adams.



Lyn joined Adams in 1993 and moved into sales 10 years ago.

Besides helping customers with their general parts requirements, Lyn specialises in pilots' equipment.

You may be surprised to learn that one of her hobbies is driving a power boat towing water-skiers.

## PA28 LOVERS DELIGHT

Do you own, sell or operate PA-28s?

Wings in Focus have produced a 55 minute DVD for connoisseurs of this aircraft. The DVD tells the story of this remarkable aircraft and some of the people who fly them.

Starting from the PA28-150 and coming up-to-date with current model Archers, Warriors and Arrows with Avidyne glass cockpit avionics.

Also on the DVD is a buyers' guide, PA28 timeline showing its development over the years and the different models/configurations, a look at the glass cockpit and at New Piper's facilities.

**"...DVD for connoisseurs..."**

The DVD is available from Adams to the trade at £17.00 + VAT. Retail price is £24.99 including VAT.



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