



SSK INDUSTRIES, INC.

1008 Monroe Rd. - Lebanon, Ohio 45036 - USA 513-934-3201 FAX 513-934-3208 info@SSKinc.com www.SSKinc.com
Technology for Parachutists

CYPRES NEWS – November 2006

CYPRES-2 New Features: CYPRES-2 now includes a Flight Counter to keep track of number of jumps, and an Altitude Adjustment Offset Memory to make life easier for jumpers whose DZ has a different elevation than the takeoff airfield. Both of these new features will automatically be included during the next maintenance. Anyone with a pre-September 2006 unit who would like to have the updates now (at no charge) can ship their CYPRES-2 to SSK or Airtec. See www.cypresusa.com/CYPRES_Newsletter_9-2006_e.pdf for further info.

SPEED CYPRES: The newest member of the CYPRES-2 family is the SPEED CYPRES. Designed for the extreme needs of the fastest canopy pilot competitors, SPEED CYPRES has a greater vertical activation speed than Expert CYPRES. See www.cypres-usa.com/cypres_news_letter_november_2005.pdf for additional details.

CYPRES-2: CYPRES-2, the next generation of CYPRES, includes numerous new features including: smaller, lighter, more robust case, water resistant, no more battery replacement (or cost), extended maintenance window of +/- 6 months, 10-second self-test. Proven features such as activation altitude, loop cutting system, and user interface remain the same. See www.CYPRES-2.com for additional info. Although the purchase price of CYPRES-2 is slightly more than CYPRES-1, there is no battery replacement expense with CYPRES-2, so the total cost of ownership of CYPRES-2 is actually less!!!

CYPRES Trade-in Program: Airtec is offering a \$80.00* trade-in toward the purchase of a new replacement CYPRES for those customers who have units that have reached the 12-year service lifetime. This offer is valid for one year after expiration of the lifetime and is on a one-for-one basis. Units with an activated or missing cutter receive a \$50.00* trade-in credit. (* Contact SSK for current exchange rate.)

CYPRES Service Rental Program: For Skydivers who do not want to be without CYPRES during servicing, rental CYPRES units are available for \$2.00 per day, plus shipping. When your maintenance is due we can ship you a rental unit so your rigger can swap it out giving you zero down-time.

CYPRES Lifetime: Lifetime for CYPRES is 12 years plus 3 months from date of manufacture (12 years plus 6 months for CYPRES-2). This decision is based on the component manufacturer's lifetime limits, then extending these limits via screening and testing, analysis of the aging and drift characteristics of specific critical electronic parts, and how this all relates to affects reliability and safety. Airtec's plan has been confirmed by the analysis of over 4000 8-Year Maintenance results, and verified by long-term tests of the first CYPRES units produced in 1991. This lifetime also applies to cutters; refer to date of manufacture on the cutter connector, or the batch code on the heat shrink (see www.cypres.cc "MY CYPRES" "cutter" for cutter code list).

Water Resistant: All CYPRES-2 units are water-resistant *at no extra charge!*. The system is designed for intentional water jumps, and protection from accidental water landings. After a water landing, just open the reserve container, air-dry the reserve canopy, and replace the CYPRES-2 water resistant filter. That's it!

CYPRES Field Replaceable Cutters: The 1-pin and 2-pin Field-Replaceable Cutters are available for stocking purposes by riggers. This is the cutter portion, and can be used with any CYPRES unit that has the in-line connector. All 1-pin units produced since March 1995 and 2-pin units produced since September 1999, as well as any older units returned to SSK or Airtec for cutter replacement since these dates, have the in-line cutter connector. If you have a CYPRES with the in-line cutter connector, you can switch between a 1-pin and 2-pin cutter without returning the CYPRES to a service center.

CYPRES Self-Test: Although the Self-Test that is performed every time CYPRES is switched on is very thorough and comprehensive, please note that it is valid only if the Scheduled Maintenance and Battery replacement requirements are met. (See below.)



CYPRES AAD Sales Service and Support

Member Parachute Industry Association



CYPRES-2 Scheduled Maintenance: All CYPRES-2 units need to be returned to Airtec or SSK four years (the "4-Year Maintenance") and eight years (the "8-Year Maintenance") from the original date of manufacture (DOM) found on the unit S/N label. CYPRES-2 has a "window" of plus/minus six months so you can schedule the maintenance when it is most convenient, such as when the rig will not be in use, or during the "off season". The CYPRES-2 maintenance includes the power assembly at no extra charge. CYPRES-2 automatically reminds you during self-test when the maintenance due-date is approaching! The cost of CYPRES-2 4 and 8-year maintenance is the same as CYPRES-1 (currently \$160.00).

CYPRES-1 Scheduled Maintenance: All CYPRES-1 units need to be returned to Airtec or SSK four years (the "4-Year Maintenance") and eight years (the "8-Year Maintenance") from the original date of manufacture (DOM) found on the unit S/N label. A "window" of plus/minus three months is allowed to enable this to be done when it is most convenient, such as when the rig will not be in use, or during the "off season". Note that there is no advantage or disadvantage to sending a unit in up to 3 months early or 3 months late - the price is the same and the "next required" maintenance date is from the original date of manufacture, not from the previous maintenance date. *Note: maintenance includes cutter and battery inspection – please include them!*

CYPRES units that have had the required Scheduled Maintenance performed have a 1/2" silver label on the left side: "XXXX Airtec Check". It is a good idea to record this label information along with the last battery change date, CYPRES S/N, and DOM on the packing data card to aid riggers in the future.

The complete procedure takes a minimum of 10 business days after receipt of the unit. Note that occasionally a unit needs additional time for an adjustment and re-testing after the data analysis is completed. Details of the comprehensive maintenance procedure can be found at www.cypres-usa.com/english_maintenance.pdf

Important note to riggers and skydivers: FAA CFR 105.43(c) as revised May 9, 2001 states: *"If installed, the automatic activation device must be maintained in accordance with manufacturer instructions for that automatic activation device"*. (Applies to maintenance and battery requirements.)

CYPRES-1 Battery: The CYPRES-1 battery assembly must be replaced every 2 years, after 500 jumps, or when the low battery error code (8998 or 8999) is displayed - *whichever occurs first*. Note that owners or riggers may replace the battery; it is not necessary to send the CYPRES to SSK or Airtec. Use of other than a genuine Airtec CYPRES battery assembly is strictly forbidden, as other batteries do not have the capacity, can give erroneous self-test results, *and in certain cases might not activate the cutter(s)!*

Once the battery lifetime is over, please remove the battery and dispose of it. *This is especially important if the CYPRES or rig is being stored and not in use at the time.* Used CYPRES-1 batteries should be disposed of properly. It is not necessary to send used batteries to SSK. Generally, batteries from personal use can be disposed of in residential trash. As with any battery, do not incinerate. Also, please do not attempt to use old batteries in a flashlight or other device - they are incompatible and can cause damage.

CYPRES-1 batteries have a long shelf life (approximately 3 years), as long as they are stored in a cool, dry location (below 68°F). The 2-year *maximum* period does not start until the battery is installed in the CYPRES. After installing a battery that has been stored for more than 6 months, it is recommended that the CYPRES be turned on and off 4 times in succession to "activate" the battery.

If you are returning a CYPRES-1 to SSK for maintenance or other servicing, and the battery has been installed longer than 21 months (less than 3 months left), the battery will be replaced unless you make other arrangements with us. Please remove and dispose of expired batteries prior to shipping to SSK. If you have a new battery in stock that you wish to be installed during servicing, send the new battery to SSK with the CYPRES. *Note that there is no battery replacement required with CYPRES-2, as it is taken care of as part of the maintenance!*

CYPRES Installation Set-ups: When ordering new CYPRES units, please specify if you need the complete "Retrofit set-up kit" (not required for a "CYPRES-ready" rig). The Set-up is not included unless specifically requested.

Other Servicing and Technical Assistance: Since 1992, SSK Industries has provided CYPRES owners an alternative to sending their unit to Airtec in Germany for servicing. Our goal is to get your CYPRES back in the air as soon as possible. Normally, CYPRES units should be removed from the harness/container system, and shipped in the original protective foam-lined carton. For those who prefer to send their rig with the CYPRES still installed, SSK will remove and re-assemble the CYPRES, and inspect and repack the reserve. SSK's technicians use the same equipment and test procedures as the factory in Germany and are Airtec factory-trained.

**visit our CYPRES support web site:
www.CYPRES-USA.com**