

# DUNCAN INTELLIGENCE

• Edited by Dick Hyde & Dan Fuoco • Fall 2001

## Concerning Raytheon Communique #24-17

By Karl Detweiler

Raytheon has issued communique #24-17 to all fan-powered Hawker operators using Lucas starter-generators P/N 23080-005 recommending bearing replacement at 500 hours.

Only the replacement of this bearing is recommended. It has been the experience of various Hawker operators (Duncan Aviation customers) that the bearings in the 23080-005 starter-generator were subject to failure before meeting the 1000 hour overhaul requirements.

Duncan Aviation has worked with Lucas to help monitor these bearings. It is our recommendation that operators comply with the Raytheon communique as soon as possible. Early bearing failure can cause extensive damage to the starter-generator and significantly increase the cost of repair and overhaul. Replacement of these bearings at the new recommendation of 500 hours can help prevent early failure.

Duncan Aviation is an Authorized Raytheon Hawker Service Center and is fully capable of accomplishing the bearing replacements, 1000-hour overhaul requirements and repairs to this starter-generator.

For further information or to schedule P/N 23080-005 for this important bearing replacement, please contact Chris Gress at 800.228.4277 ext. 1664, direct at 402.479.1664, cell at 402.450.5216 or e-mail at [chris\\_gress@duncanaviation.com](mailto:chris_gress@duncanaviation.com).

## Cockpit Water Separator

By Roy Olsen

Is your Hawker 800 equipped with a water separator installed by Ark Mod? If it is, the butter fly valve shaft in the tube welded to the end of the separator should be inspected for freedom of rotation.

If corrosion has built up between the shaft and the bushing, the shaft may seize. If this seizing occurs during operation, the actuator will put pressure on a welded area and the weld will start cracking. The result of this cracking will be a pressurization leak around the welded area.

## Paperwork...Paperwork

By Dick Hyde

When visiting a maintenance facility or sending a unit in for repair/overhaul, be sure to include aircraft/unit times and cycles. There are many time life components on an aircraft, and if a time or cycle cannot be determined, the component must be replaced. Replacing parts prematurely is unnecessary and expensive.

## Flap Work

By Dick Hyde

When working on flap systems and making rigging adjustments, flap replacements or sync cable changes—do not overlook flap position switches. The switches are connected to the flaps through the sync system. Take time to ensure they are actuating at proper flap travel angles. The switches are part of the stall system, enough said!

## Windshield Heat Problems

By Roy Olsen

Do you have blurry windshields in your 800, 800XP, or 1000 with windshield heat on? Check the output voltage of the solid-state relays. Voltage should be 115 plus or minus 1.5 volts AC. If output in the solid-state relays is low, check input voltage. If it's within limits, install a new relay.

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*For Hawker technical info, we have the experts. Our Hawker Team consists of tech reps and technicians with experience in airframe/engine, interior/exterior completions, avionics installations, component repair and parts.*

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