



REPLACEMENT AIRCRAFT PARTS CO. Service Letter

Service letter Number	Issue Date	Revision	Revision Date
RASL-002	10/26/2006	В	6/11/2009

Subject: Pneumatic pump vane inspection without S.M.A.R.T Stick

Applicability:

This inspection procedure applies to all new FAA PMA approved pneumatic pumps manufactured by Rapco, I, equipped with a vane wear inspection port.

Inspection Compliance:

The inspection procedure listed below should be accomplished after 500 hours time in service on a 200 series pumps and after 200 hours time in service on all 400 series pumps. After the initial inspection, the pump should be e-inspected after 100 hours time in service or annually (which ever occurs first).

This inspection procedure is recommended to be accomplished in conjunction with a 104 bour or an ual inspection.

Procedure:

NOTE: Before accomplishing this inspection it is important to make sure that the gine Magnetos are in the off position.

- Remove inspection port cap screw and lock washer. 1.
- Rotate Propeller by hand while looking into the inspection t with a flashlight. 2.
- Line up a vane slot with the inspection port. NOTE vane site to inspection port alignment is incorrect it 3. will result in an incorrect vane wear measuremet
- 4. Insert probe (A) through the inspection port and in a the cane slot slowly until it comes into contact with the vane face. **NOTE:** *The use of a tooth pick or a since drink straw is recommended for use as the probe.*
- Using a felt tip marker, mark the probe evel to the plane (Reference Plane 1) at which the inspection port 5. cap screw washer comes into contact who the pump cavity. (See figure 1)
- 6.
- Remove the probe from the inspection por Measure the distance from the the the was inserted into the pump to the mark that was made with the 7. felt tip marker. (See figure 2)
- If the distance measured is 11/18 (.80") or greater the pump should be **removed** from service. If the distance measured is less than 11/6" (.687") the pump may be **returned to service** pending that the 8. next inspection is accomplished over 100 hours time in service or at the next annual inspection. Re-install the cap scew and washer (MS35338-43) and torque to 14 inch lbs.
- 9.



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