

SLICK

Service Bulletin

SB2-08A

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TO: Aircraft manufacturers, distributors, dealers, engine overhaul facilities, owners and operators of Slick Aircraft Products aircraft magnetos.

SUBJECT: Mandatory inspections on all Slick 4300/6300 and LASAR™ 4700/6700 magnetos

MAGNETO MODELS

- AFFECTED:
- Slick and LASAR™ magnetos with serial numbers beginning with 0610XXXX through 0804XXXX.
 - Magnetos which have had the cam, or the cam as part of the contact point assembly kit, replaced between October 1, 2006 and May 11, 2008.

ENGINE MODELS

AFFECTED: Engines utilizing Slick and LASAR™ magnetos.

AIRFRAME MODELS

AFFECTED: Aircraft utilizing Slick and LASAR™ magnetos.

BACKGROUND

INFORMATION: Field reports indicate premature wear of breaker point cam in the serial number range listed in MAGNETO MODELS AFFECTED. Premature cam wear can cause excessive timing drift, causing low magneto output power.

COMPLIANCE:

All magnetos that have had a cam, or the cam as part of the contact point assembly kit, replaced between October 1, 2006 and May 11, 2008, and all magneto models in the specified serial number range noted in MAGNETO MODELS AFFECTED. Inspect affected magnetos within the next 50 hours of the effective date of this Service Bulletin. Then, inspect every 100 hours thereafter or annual inspection, whichever comes first. See Detailed Instructions for Service Bulletin ending compliance information.

PROOF OF

COMPLIANCE: Appropriate logbook entries.

PARTS REQUIRED

PER BULLETIN: Replace magneto or M3611 cam as required.

TOOLS REQUIRED

PER BULLETIN: Slick T-100 Tool Kit, magneto timing light, T-300 SynchroLASAR™ and standard shop tools as applicable.

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WEIGHT CHANGE: None.

REQUIRED SERVICE LITERATURE: Refer to the following literature as applicable when performing the detailed instructions contained in this bulletin:

Slick 4300/6300 Magneto Maintenance and Overhaul Manual L-1363

LASAR™ 4700/6700 Magneto Maintenance and Overhaul Manual L1503

Slick Service Bulletin SB3-08, Mandatory inspections on all Slick 4300/6300 and LASAR™ 4700/6700 magnetos

WARRANTY INFORMATION: If damage or premature wear listed in this Service Bulletin is discovered during inspection, and the magneto is within Unison's 1-year warranty period, the magneto may be returned through your point of sale for warranty replacement. For magnetos outside the 1-year warranty period in which the replacement cam, or the cam as part of the contact point assembly kit has failed, the cam may be returned under warranty through your point of sale.

DETAILED INSTRUCTIONS:

1. Check engine timing per engine operator's manual. If engine to magneto timing is retarded more than 4° from base timing (nominal engine manufacturer's timing), cam must be replaced per the applicable Maintenance and Overhaul Manual.
2. Service Bulletin ending compliance can be documented after the cam has been replaced by one manufactured May 12, 2008 or later (controlled by manufacturer-dated packaging) and an appropriate logbook entry has been made.
3. For magnetos that have not had the cam replaced, Service Bulletin ending compliance can also be documented if, after 200 hours of magneto operation, there has been no significant engine to magneto timing drift as identified in step 1 above. Record an appropriate logbook entry.

Unison Piston Products Technical Support Hotline: 904-739-4081

Unison Technical Publications Web-site: www.unisonpubs.com

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