

# MANDATORY

## SERVICE BULLETIN

DATE: July 21, 2008

Service Bulletin No. 583A  
(Supersedes Service Bulletin No. 583)  
Engineering Aspects are  
FAA Approved

SUBJECT: Reprint of MANDATORY Unison Service Bulletin No. SB2-08

MODELS AFFECTED: All Lycoming new, overhauled, rebuilt, or repaired engines with:

1. A Slick model 4300/6300 series magneto with a serial number beginning with 0610#### through 0804####.
2. A LASAR model 4700/6700 series magneto with a serial number beginning with 0610#### through 0804####.
3. Any magneto which has had the cam, or the cam as part of the contact point assembly kit, replaced between October 1, 2006 and May 11, 2008.

TIME OF COMPLIANCE: Within the next 50 hours of engine operation. Then at every 100 hours of engine operation or at annual inspection, whichever comes first.

### NOTE 1

The magneto model number and serial number can be found on the magneto data plate. The serial number code is a 2 digit year, 2 digit month, and a 4 digit sequence number.

Lycoming has learned that all new, overhauled, rebuilt, or repaired engines with a Unison Industries Slick model 4300/6300 series or LASAR model 4700/6700 series magneto with the serial number range listed above may experience premature wear of the breaker point cam. Premature cam wear can cause excessive timing drift which may lead to low magneto output power.

Unison Industries MANDATORY Service Bulletin No. SB2-08A is reprinted in its entirety as follows. Lycoming requires compliance with all elements of this Service Bulletin and with the additional notes listed below.

This reprint is current at the time Lycoming Service Bulletin No. 583A is issued. However, when complying with this Service Bulletin, insure that compliance is in accordance with the latest revision of Unison MANDATORY Service Bulletin No. SB2-08.



General Aviation  
Manufacturers Association

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## NOTE 2

For affected magnetos shipped from Lycoming as a spare or an engine component, contact Lycoming. Contact information for Lycoming is:

Lycoming Engines  
652 Oliver Street  
Williamsport, PA 17701  
Tel: 1-800-258-3279

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# SLICK

## SB2-08A

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# Service Bulletin

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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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**Unison Industries**  
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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](http://www.unisonpubs.com)

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