

Service Letter

Service Letter No. 001 Rev. B

D-2000 and D-3000 Magneto Assembly Housing Inspection

- 1) This page transmits the revision of Service Letter 001 Rev. New to SL-001 Rev. B, dated September 2020.

Note: Immediate action is required.

- a) SL-001 Rev. New, dated June, 2020
 - b) SL-001 Rev. A, dated August 2020
 - c) SL-001 Rev. B, dated September 2020
- 2) Changes are shown by a change bar in the left or right margin coinciding with the change on the affected page.
- 3) This revision is issued to change the following:
- a) Remove Compliance Description D
 - i) The Service Letter provides instructions for Continued Airworthiness (ICA).
 - b) Revised Compliance D.
 - i) Inserted D.1, 2 and 3
 - c) Revised Manpower F.1
 - d) Revised Inspection A.1 and A.1.a
 - i) Inserted A.1.a.1a
 - e) Inserted Maintenance Record D.1

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1. Planning Information

A. Effectivity

- 1) Quality Aircraft Accessories (QAA) FXE Facility, Magneto Models
 - a) 10-382555-14, 10-382555-11, 10-382560-11, 10-682555-11, 10-682555-13, 10-682555-14, 10-682555-15, 10-682560-11, 10-682560-13, 10-682910-13, 10-682910-18, and BL-682560-18 with serial numbers listed in **Table 1**.
 - b) Magnetos shipped between April 27, 2017 and March 16, 2020 are affected by this Service Letter.

0010	891	905	1961	2129	2978	3367
6828	7191	8611	10739	11075	14437	16348
16461	17745	18293	22217	22677	23872	29570
30253	30518	31634	31910	32157	32524	35156
42824	53307	066578	161441	267291	386817	801403
844461	906032	1642769	4010605	4081110	5052854	6021347
6050437	6112248	6112260	7060206	7102411	8113203	8208156
8235125	8245042	8307206	9040456	85130007	85250335	86450100
01300050R	129104DR	16811K	199803GR	203083G	20493K	22761K
27290D	3012851K	49103E	609314R	8127306K	A039405GR	A05012GR
A-11055	A11593K	A12960	A129603GR	A15920	A2668R	A5283
B000450	B000842	B000970	B049707GR	B04IA086	B099403GR	B118808G
B129101GR	B158908GR	B168810G	B239403G	B279778G	B289502G	C039908GR
C-04047	C169411GR	C219707GR	C240010GR	D04HA156R	D059006GR	D061003
D098806G	D129309GR	D169904GR	D229815GR	D249506GR	E019822GR	E049404GR
E050886	E089801GR	E09HA118R	E119806GR	E-12298	E12BA011R	E139411GR

Table 1 – Magneto Serial Number Effectivity

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E1999100G	E291301GR	F013778	F049901GR	F089801G	F109707ER	F188901G
F239803F	F259919G	F289011GR	F289806G	G011IA024R	G018802G	G01CA025
G01DA010R	G01DA014R	G01EA087	G01IA072	G01JA066	G02BA064R	G02CA066
G02EA020R	G02FA101R	G02GA055R	G02HA059	G02HA075R	G02JA184R	G02JA191R
G02KA026R	G030004G	G03CA017R	G03CA051	G-03CA114	G03EA003R	G03EA133
G03JA113R	G03LA002R	G04BA039R	G04BA060	G04CA061	G04DA043R	G04DA052
G04DA071R	G04FA032	G04GA010	G04GA028	G04GA065R	G04HA090	G04HA099R
G04IA086	G04JA030R	G04KA011R	G04LA005R	G04LA023R	G05BA051	G05CA111
G05EA003R	G05FA113R	G05FA134R	G05GA26LR	G05IA006R	G05LA077	G06CA006R
G06FA046R	G06FA071R	G06GA074R	G06JA115R	G07AA025R	G07HA039R	G07JA137R
G07KA054	G08BA173	G08EA107	G08FA024	G08HA016R	G08HA082R	G08IA110R
G08IA17	G09AA087	G09BA001	G09FA015R	G09FA018R	G09GA012	G09GA024R
G09HA057R	G09HGN01	G09IA049	G09LA001R	G10HA003R	G112939	G113599
G11DA001R	G12CGN01	G130008GR	G1300D5GR	G159810GR	G16BA024R	G16DA025R
G189010GR	G238721G	G2597050	G298804GR	G04CA083	H03000GR	H129905GR
H149801GR	H159003GR	H219810G	H279902GR	H289510GR	I099912GR	I099915GR
I119806CR	I168723G	I179704GR	I229301G	J0599089	J080939	J091091
J168717G	J279725GR	K070735	K09919GR	K179918GR	K229401GR	L019912GR
L078902GR	L110007GR	L209505GR	L219501GR	LY-29972	LY42099B	LY43673
Q034101	Q055747	Q056644	Q057554	Q059864	Q059972	QA060810
QAA016302	QAA024505	QAA026787	QAA027393	QAA034541	QAA038005	QAA038523
QAA042464	QAA044416	QAA048860	QAA050488	QAA050807	QAA051883	QAA052162
R11207K	R16451K	R2556	R8526	R4070874	R46192	R5134K
R9121242	RA8239K	-	-	-	-	-

Table 1 cont. – Magneto Serial Number Effectivity

WARNING

DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE LETTER. INFORMATION CONTAINED IN THIS SERVICE LETTER MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS SERVICE LETTER OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE QAA WEBSITE FOR THE MOST RECENT REVISION LEVEL OF THE SERVICE LETTER.

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B. Concurrent Requirements

- 2) Refer to Service Letter No. 002 or later approved revision.

C. Reason

- 1) Internal audits have discovered that a non-conforming condition exists on magneto serial numbers listed in Table 1.
- 2) This condition could compromise the integrity of the aircraft ignition system.
 - a) This Service Letter is issued to advise the field of this condition and require removal of the magneto assembly for inspection of the magneto housing.

D. Compliance

- 1) **IMMEDIATE:** If a loss of ignition output or erratic output indication occurs during flight, land as soon as practicable. Comply in accordance with the Accomplishment Instructions 3.B – Corrective Action.
- 2) **IMMEDIATE:** For affected magnetos in service, perform a visual inspection of the magneto(s) before further flight in accordance with the Accomplishment Instructions.
- 3) **IMMEDIATE:** For affected magnetos in inventory, return within 30 days from the original issue date of this Service Letter or prior to sale or installation, whichever occurs first. Comply in accordance with the Accomplishment Instructions 3.B – Corrective Action.
- 4) Compliance with the Accomplishment Instructions in this Service Letter is the terminating action for this Service Letter.

E. Approval

- 1) This Service Letter has been approved by Quality Aircraft Accessories.

F. Manpower

- 1) If installed, two (2.0) man hours' labor are required for the following:
 - a) Gaining access to inspect the magneto.
 - b) Gaining access and removing the magneto.
 - c) Installing the magneto and Return to Service.

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G. Weight and Balance

- 1) No change.

H. Electrical Load Data

- 1) No Change.

I. References

- 1) Applicable Magneto Overhaul Maintenance Manual
- 2) Applicable Aircraft/Engine publications or Maintenance Manual
- 3) Applicable Aircraft AFM or POH.

2. Materials Required

- A. None

3. Accomplishment Instructions

WARNING 1

THIS PROCEDURE MUST BE PERFORMED BY COMPETENT AND QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH ENGINE AND AIRFRAME MAINTENANCE THAT IS SPECIFIC TO THE ENGINE MAGNETO SYSTEM. FAILURE TO DO SO MAY RESULT IN ECONOMIC LOSS, EQUIPMENT DAMAGE, AND/OR PHYSICAL INJURY.

WARNING 2

DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS SERVICE LETTER (SL) AND THE APPLICABLE AIRCRAFT MAINTENANCE MANUAL AND/OR ENGINE SERVICE INSTRUCTIONS. INFORMATION CONTAINED IN THESE MANUALS OR THIS SL MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. REFER TO THE APPLICABLE ENGINE MANUFACTURER'S PUBLICATIONS AND/OR AIRCRAFT MAINTENANCE MANUAL INDEX FOR THE MOST RECENT REVISION LEVELS.

CAUTION

AIRCRAFT AND ENGINE ACCESS REQUIRES THE USE OF APPLICABLE MANUFACTURER'S MAINTENANCE MANUAL OR SERVICE INSTRUCTIONS. IN ADDITION, ANY PREFLIGHT OR IN-FLIGHT OPERATIONAL CHECKS REQUIRE USE OF APPROPRIATE AFM OR POH.

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A. Inspection

- 1) If effectivity of the magneto cannot be established using aircraft or engine maintenance records, before further flight, utilize the applicable aircraft maintenance manual to gain access to the Magneto assembly and inspect the serial number against the affected serial numbers found in Table 1 of this SL.

- a) If magneto assembly serial number is affected per Table 1, before further flight comply in accordance with 3.B – Corrective Action.

- 1) **Temporary Operation Permitted:**

- a) If the aircraft is in transit or not in a location where the required maintenance action can be performed, then not more than 10 flight hours of operation is permitted, to get the aircraft to an appropriate maintenance facility for compliance in accordance with Paragraph 3.B – Corrective Action.
 - b) If the magneto assembly serial number is not affected per Table 1, continue to 3.C. – Return to Service.

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B. Corrective Action

- 1) Remove the magneto assembly in accordance with the latest revision of the aircraft and/or engine manufacture's maintenance manual.
- 2) Return the magneto to QAA for inspection. Proceed to 4.A. – Contact Information.
- 3) Utilizing the applicable aircraft and/or engine manufacture's maintenance manuals, install the repaired magneto assembly and proceed to 3.C. – Return to Service.

C. Return to Service

- 1) Close all access doors and covers opened to gain access to the magneto in accordance with applicable airframe and/or engine maintenance manual.

D. Maintenance Record

- 1) Make an appropriate logbook entry noting compliance with this Service Letter.

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4. Contact Information

A. Contact QAA Customer Service for all communications regarding the technical content of this Service Letter.

- 1) Phone +1.954.493.9262
- 2) Email at info@qaa.com
- 3) Address

Quality Aircraft Accessories
1072 NW 53rd St.
Fort Lauderdale, FL 33309, USA.

Service Letter Appendix

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1. ELIGIBILITY

- A. Magneto models 10-382555-14, 10-382555-11, 10-382560-11, 10-682555-11, 10-682555-13, 10-682555-14, 10-682555-15, 10-682560-11, 10-682560-13, 10-682910-13, 10-682910-18, and BL-682560-18 shipped between April 27, 2017 and March 16, 2020 are affected are affected by Service Letter (SL) 001.
- B. Affected serial numbers are found in Table 1 of SL 001 – *Magneto Serial Number Effectivity*

2. COMMERCIAL ASSISTANCE PROGRAM:

- A. The following will be provided with the submission of a completed SL 001 Claim Form, copies of invoices showing breakdown of labor charges, material and logbook entries.

NOTE: Any commercial assistance or other consideration shall expire twelve (12) calendar months from the original published date of SL 001.

- B. Labor for removal & installation for affected magneto will be paid at a shop rate of \$75 an hour up to the amount specified below:
 - 1) Up to two (2.0) hours labor allowance for removal and installation of the affected magneto.

3. COMMERCIAL ASSISTANCE ADMINISTRATION:

- A. Complete the Service Letter SL 001 Claim Form attached to this appendix.
 - 1) Mail or e-mail the SL 0001 Claim Form to the attention of QAA Customer Service as indicated on the Service Letter Claim Form.
- B. For labor and material charges:
 - 1) Aircraft/engine service facility to submit an invoice up to the amount specified in section 2.B and copies of logbook entries for reimbursement.

4. WARRANTY STATEMENT:

- A. The sole warranty for the actions of SL 001 are contained in the QAA Limited Warranty Policy issued with the repaired magneto assembly (terms and conditions therein).
- B. Commercial assistance may apply as stated in this Appendix.
- C. Issuance of SL 001 in no way constitutes an implied or expressed warranty of any kind.
- D. This publication does not imply or state any responsibility for the workmanship of any person or entity performing work or maintenance on the engine or aircraft electrical system.

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5. SHIPPING INFORMATION:

A. If a magneto is being returned, the part must be securely packaged so damage will not occur in shipping. A copy of the properly completed SL 001 Claim Form for each affected part must be placed inside the shipping container. All parts must be received undamaged. Shipping of eligible product to QAA will be Reimbursed.

B. Ship To:

Quality Aircraft Accessories

1072 NW 53rd St.

Fort Lauderdale, FL 33309, USA

Attn: Customer Service DEPT/ SL 001

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SL 001 CLAIM FORM Owner Information

Name: _____ Date: _____ Tel: _____ Fax: _____
Company Name: _____ E-mail: _____
Address: _____
City: _____ State: _____ Postal Code: _____
Country: _____

Aircraft/Engine Service Facility information

Name: _____ Date: _____ Tel: _____ Fax: _____
Company Name: _____ E-mail: _____
Address: _____
City: _____ State: _____ Postal Code: _____
Country: _____
Aircraft Mfg: _____ Model: _____ Time in Service: _____ S/N: _____
Engine: _____ Model: _____ Time in Service: _____ S/N: _____

Component Information

Nomenclature: Magneto Assembly Part Number: _____
Serial Number: _____ (Magneto) Date Removed: _____
Part Time in Service: _____ (Magneto) Original Date Installed: _____

Contact Information / RMA

Send this SL 001 Claim Form to:

Quality Aircraft Accessories
E-mail: info@qaa.com

RMA No.:

QAA Use Only - do not write below this line.

Warranty No: _____

Authorized by: _____