

MOONEY INTERNATIONAL CORPORATION SPECIAL LETTER

SPECIAL LETTER 19-04 Date: 04-30-2019

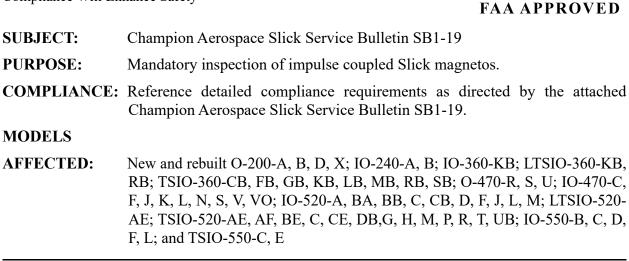
SUBJECT:	To ADVISE MOONEY OWNERS/OPERATORS of the Champion Aerospace Slick Service Bulletin SB19-02A (SB1-19) - Issued 03/07/2019 and Revised 04/22/2019.
MODELS/ S/N AFFECTED:	New and rebuilt O- 200- A, B, D, X; IO- 240- A, B; IO- 360- KB; LTSIO- 360- KB, RB; TSIO- 360- CB, FB, GB, KB, LB, MB, RB, SB; O- 470- R, S, U; IO- 470- C, F, J, K, L, N, S, V, VO; IO- 520- A, BA, BB, C, CB, D, F, J, L, M; LTSIO- 520- AE; TSIO- 520- AE, AF, BE, C, CE, DB,G, H, M, P, R, T, UB; IO- 550- B, C, D, F, L; and TSIO- 550- C, E (see attached document for more information).
TIME OF COMPLIANCE:	Reference detailed compliance requirements as directed by the attached Champion Aero- space Slick Service Bulletin SB19-02A (SB1-19). (see attached document for more informa- tion).
INTRODUCTION:	Mandatory inspection of impulse coupled Slick magnetos.

Continental1 recommends customer compliance, as specified in Champion Aerospace Slick Service Bulletin SB1-19. (see attached document for more information).

INSTRUCTIONS:	Refer to - Champion Aerospace Slick Service Bulletin SB19-02A (SB1-19) - Issued 03/07/2019 and Revised 04/22/2019 (see attached document for more information).
WARRANTY:	Refer to - Champion Aerospace Slick Service Bulletin SB19-02A (SB1-19) - Issued 03/07/2019 and Revised 04/22/2019 (see attached document for more information).
REFERENCE DATA:	Refer to - Champion Aerospace Slick Service Bulletin SB19-02A (SB1-19) - Issued 03/07/2019 and Revised 04/22/2019. (see attached document for more information).
PARTS LIST:	Refer to - Champion Aerospace Slick Service Bulletin SB19-02A (SB1-19) - Issued 03/07/2019 and Revised 04/22/2019. (see attached document for more information).

SERVICE BULLETIN

Compliance Will Enhance Safety



I. GENERAL INFORMATION

Continental¹ recommends customer compliance, as specified in Champion Aerospace Slick Service Bulletin SB1-19.

For your convenience, please use the following cross-reference table to identify affected Continental Part Numbers:

-				
	Part Numbers			
ſ	SLICK	Continental		
Ī	4301	653262		
Ī	6310	653267		
Ī	6314	653271		
Ī	6320	653280		
Ī	6324	653292		

II. WARRANTY

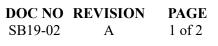
Direct all questions regarding the actions required by the attached Service Bulletin to:

Champion Aerospace LLC 1230 Old Norris Road Liberty, SC/USA 29657

1. Published and printed in the U.S.A. by Continental Motors, Inc.[®] dba Continental Aerospace Technologies[™]

P.O. Box 90 Mobile, AL 251.436.8299





CATEGORY 3

SB19-02A

TECHNICAL PORTIONS

ISSUED

2019/03/07

Intentionally Left Blank



DOC NOREVISIONPAGESB19-02A2 of 2



Service Bulletin

SB1-19

TO:	Aircraft Manufacturers, Aircraft Engine Manufacturers, Distributors, Dealers, Engine Maintainers, Engine Overhaul Facilities, Owners and Operators of Slick Aircraft Magnetos.			
SUBJECT:	Mandatory inspection of impulse coupled Slick magnetos			
MAGNETO MODELS AFFECTED:	The following magneto models with serial numbers between 16010001 and 18050664:			
	4301, 4303, 4316, 4330, 4333, 4346, 4354, 4371, 4372, 4373, 4374, 4381, 4392, 6310, 6314, 6320, 6324, 6331, 6351, 6352, 6355, 6361, 6362, 6364, 6367, 6377, 6379, 6380, 6382, 6399			
	<u>NOTE</u> : 16010001 = SN manufacture date of January 2016 and 18050664 = SN manufacture date of May 2018			
ENGINE MODELS AFFECTED:	4300 series and 6300 series magnetos.			
AIRFRAME MODELS AFFECTED:	4300 series and 6300 series magnetos.			
BACKGROUND INFORMATION:	There have been limited reports in which impulse coupling stop pins have moved relative to the factory placement within the magneto frame of Slick magnetos. There has been one report of a liberated stop pin. A liberated stop pin could potentially enter the gear train of the engine, resulting in damage to the gear train, damage to engine accessories and could ultimately cause catastrophic engine failure.			
COMPLIANCE:	Inspect affected magneto models for movement of impulse coupling stop pin at the next convenient maintenance interval, not to exceed the next 100 hours or 400 hours Time in Service (TIS), and every 500 hours thereafter. Alternatively, replace the affected magneto with an approved model magneto, outside the above serial number range, or compliant with the SB1-19 dimensions herein for the stop pin. Document service bulletin compliance as written entry in the applicable Aircraft and/or Engine logbook.			
PROOF OF COMPLIANCE:	Appropriate logbook entries. See SB1-19 COMPLIANCE and WARRANTY INFORMATION.			
MAINTENANCE PARTS AFFECTED:	None.			
Proprietary Statement The information contained in this document is proprietary property of Champion Aerospace LLC. Receipt or possession of this information does not confer, license or imply any rights to use, sell or manufacture from this information. No reproduction of publication, in whole or in part, shall be made without the express written consent of Champion Aerospace LLC. All information is covered under full protection of the United States copyright laws. Copyright ©2019, Champion Aerospace LLC. All rights reserved.				

SUBJECT TO THE EAR, ECCN 9E991. THIS INFORMATION IS SUBJECT TO THE EXPORT CONTROL LAWS OF THE UNITED STATES, SPECIFICALLY INCLUDING THE EXPORT ADMINISTRATION REGULATIONS (EAR), 15 C.F.R. PART 730-744. TRANSFER, RETRANSFER, OR DISCLOSURE OF THIS DATA BY ANY MEANS TO A NON-U.S. PERSON (INDIVIDUAL OR COMPANY), WHETHER IN THE UNITED STATES OR ABROAD, WITHOUT ANY REQUIRED EXPORT LICENSE OR OTHER APPROVAL FROM THE U.S. GOVERNMENT IS PROHIBITED, INCLUDING WITHOUT LIMITATION ANY DIVERSION TO A MILITARY END USER OR USE IN A MILITARY APPLICATION.

			EVISED	Champion Aerospace LLC 1230 Old Norris Road	PAGE NO.	REVISION
02	06	19		Liberty, SC/USA 29657 ©2019 Champion Aerospace LLC	1 of 8	



Service Bulletin

2 of 8

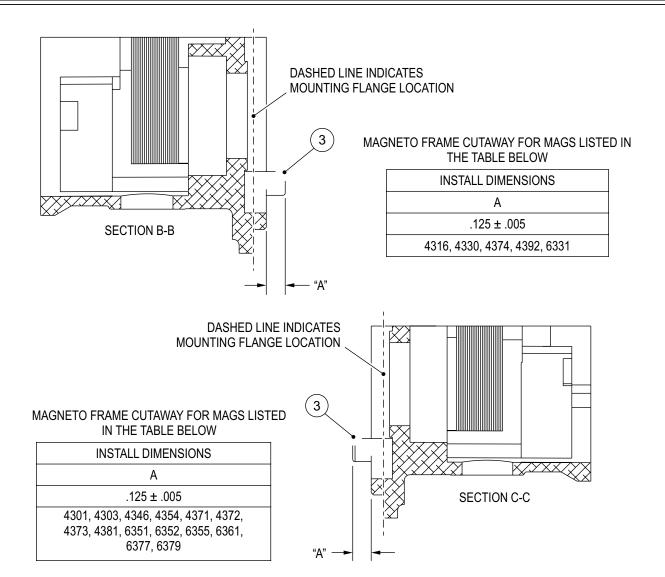
PARTS REQUIRED PER BULLETIN:	Replacement magnetos as required.						
TOOLS REQUIRED:	T-118 mag timing pin, mag timing light, calibrated measuring device, and standard shop tools.						
WEIGHT CHANGE:	WEIGHT CHANGE: None.						
REQUIRED SERVICE LITERATURE:	Refer to the latest revision of Champion Slick F-1100 Master Service Manual, as applicable, when performing the detailed instructions contained in this Service Buller						
WARRANTY INFORMATION:	NOTE: Labor is not included per Champion warranty pol	icy.					
	If the magneto is within the listed s/n range and fails the inspect INSTRUCTIONS, the magneto should be returned for ware the original point of sale. Champion Aerospace will not ac magnetos that fail the required inspections must be returned to the original point of sale (either Authorized Champion D Manufacturer) for warranty consideration. Champion war limits for TIS and calendar period for parts affected by the Credits will only be processed to an Authorized Champion Manufacturer after final receipt of magneto and confirmation Champion reserves the right to deny warranty and return m subsequently found to be compliant with the Service Bulle	rranty consider ccept direct ret rned with proo istributor or Air ives the publis s Service Bulle Distributor or A on of required r lagneto if meas	ration through urns. Affected f of purchase craft Engine thed warranty etin. Warranty ircraft Engine neasurement.				
DETAILED INSTRUCTIONS:	 Warranty form must include name, shipping addr number of the magneto(s) being returned and TIS inf magneto(s). (Distributors have warranty forms) 						
	Do not leave drive gears installed on the magneto(s). return of these components	Champion can	not guarantee				
A. Locate magneto serial number on magneto dataplate. If magneto serial number is determined to be within the range specified in this bulletin, remo the magneto from engine in accordance with the latest revision of the engir manufacturer's manual(s).							
	B. Inspect the magneto to confirm the necessary rec individual magneto type) of the stop pin. If the sto in compliance with the dimension shown in Figure must be replaced with a new or serviceable unit the service bulletin.	p pin installatic es 1 through 6,	n depth is not the magneto				
	C. Repeat this inspection every 500 hours TIS, until	end of product	t life.				
THIS DOCUMENT SUBJ	ECT TO THE CONTROLS AND RESTRICTIONS ON THE FIRST I	PAGE					
ISSUED REVISED MO DAY YR MO DAY YR	Champion Aerospace LLC 1230 Old Norris Road Liberty, SC/USA 29657	PAGE NO.	REVISION				
02 06 19		2 of 8					

©2019 Champion Aerospace LLC



Service Bulletin

SB1-19



USE A CALIBRATED MEASURING DEVICE TO MEASURE DISTANCE "A", AS SHOWN IN CUTAWAY SECTIONS B-B AND C-C. MAKE SURE THE FRAME SURFACE IS FREE OF CONTAMINANTS. ANY MEASUREMENT GREATER THAN 0.130 INCH OF ANY PART OF THE STOP PIN (3), THE MAGNETO SHOULD BE REMOVED FROM SERVICE AND RETURNED TO CHAMPION FOR WARRANTY.

FIGURE 1. MAGNETO FRAME CUTAWAY SECTIONS B-B AND C-C

THIS DOCUMENT SUBJECT TO THE CONTROLS AND RESTRICTIONS ON THE FIRST PAGE

_	SUEI DAY		REVI MO DA	-	Champion Aerospace LLC 1230 Old Norris Road	PAGE NO.	REVISION
02	06	19			Liberty, SC/USA 29657 ©2019 Champion Aerospace LLC	3 of 8	

