

No. SBM-202

Modification MA2458 - Additional Securing of Nose Landing Gear Axle Bolt

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LETTER OF TRANSMITTAL COVERING INITIAL ISSUE OF SERVICE BULLETIN SBM-202

1. General

This page transmits the initial issue of SBM-202.



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1. PLANNING INFORMATION

- A. EFFECTIVITY
 - (1) Pre Mod M468 aircraft (fitted with SAB undercarriage); T67B, T67C Series, T67M, T67M MkII, T67M200 and T67M200 Club Sport Pro.
- B. CONCURRENT REQUIREMENTS
 - (1) None.
- C. REASON
 - (1) Following completion of an aerobatic sortie and during a low speed taxiing manoeuvre a T67 Slingsby Firefly suffered a separation of the nose wheel from the nose undercarriage assembly.
- D. DESCRIPTION
 - (1) Modification MA2458 introduces additional securing of the nose landing gear axle bolt.
- E. COMPLIANCE
 - (1) Classification
 - Must be accomplished.
 - (2) Accomplishment Time scale
 - This Service Bulletin should be completed at the next opportunity or the next 50 hour or annual check.
- F. APPROVAL
 - (1) The technical content of this document is approved under the authority of DOA ref EASA 21J.181.



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G	MANPOWER	
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One person approximate man-hours as follows:

Preparation	1
Modification	1
Re-assembly	1
Records	0.5
Total	3.5

- H. WEIGHT AND BALANCE
 - (1) No change.
- I. ELECTRICAL LOAD DATA
 - (1) Nil effect.
- J. SOFTWARE ACCOMPLISHMENT SUMMARY
 - (1) Not applicable.
- K. REFERENCES
 - (1) Not applicable.
- L. OTHER PUBLICATIONS AFFECTED
 - (1) None.
- M. INTERCHANGEABILITY AND INTERMIXABILITY
 - (1) Not applicable.



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2. MATERIAL INFORMATION

A. MATERIALS NECESSARY FOR EACH AIRPLANE

	Item	Part Number	Quantity
Locknut		HM14-100	1
Split Pin		SP90-E11	1



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3. ACCOMPLISHMENT INSTRUCTIONS

A. MAINTENANCE PRACTICES

WARNING: OBEY ALL WARNINGS, CAUTIONS AND MAINTENANCE PRACTICES. IF YOU DO NOT OBEY THIS WARNING THERE IS A RISK OF INJURY TO PERSONNEL AND/OR DAMAGE TO THE EQUIPMENT.

- (1) Observe all safety procedures.
- (2) All engineering and local procedures are to be observed whilst embodying this Service Bulletin.
- (3) After inspection ensure aircraft is clean and clear of tools and miscellaneous equipment and any removed parts are replaced.

B. PREPARATION AND GENERAL

- (1) Prior to proceeding, ensure that the Service Bulletin has been read in its entirety and is understood.
- (2) Open canopy and check the master switch and fuel are off.
- (3) Disconnect external power.
- (4) Park aircraft on a level surface.
- (5) Apply parking brakes.
- (6) Chock main wheels.
- (7) Using a jack with a suitable mating face for the cone shaped aircraft jacking point, jack up the nosewheel using the nose jacking point until the nosewheel is clear of the ground.
- (8) Place a suitable trestle support under bump stop at aft of airframe.

C. MODIFICATION

- (1) Remove the nosewheel locknut (Part No. HM14-100) from the axle bolt.
- (2) Referring to Fig 1, install a new nosewheel locknut (Part No. HM14-100) and tighten until the wheel drags, then back off one flat, ensuring there are enough threads showing for safety and to accomplish Step 4.

NOTE: If there are insufficient threads showing contact Marshall Aerospace Defence Group at product.support@marshalladg.com for further advice.

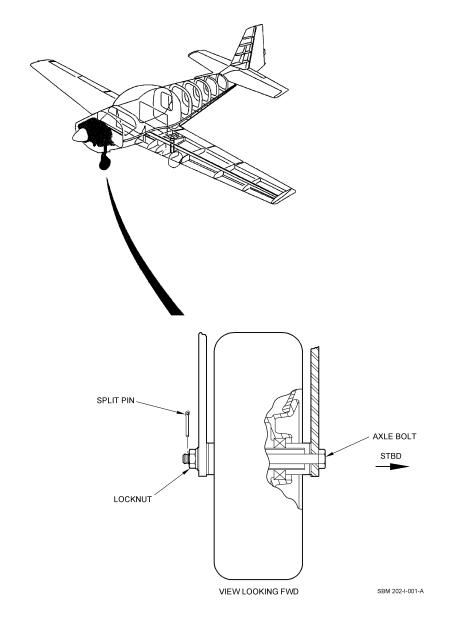


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- (3) Check the installation of the nosewheel locknut (Part No. HM14-100) does not cause the SAB nose undercarriage forks to bend inwards, if it does then carry out Slingsby Aviation Service Bulletin 153 SAB Undercarriage Nosewheel Fork Inspection.
- (4) Drill a 3/32 in. hole, through the axle bolt not less than two threads from the axle bolt end.
- (5) Ensure all swarf is removed and the work area is clean.
- (6) Install the split pin (Part No. SP90-E11) through the axle bolt.
- D. REASSEMBLY
 - (1) Remove the trestle support from under bump stop at aft of airframe.
 - (2) Lower the aircraft off the jack.
- E. RE-IDENTIFICATION OF THE UNIT
 - (1) Not applicable.
- F. TEST
 - (1) Not applicable.



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Castellated nut and split pin installation into SAB nose leg assembly (Sheet 1)
FIGURE 1