



DAHER AEROSPACE  
Customer Support  
Airplane Business Unit  
65921 TARBES CEDEX 9  
FRANCE

TELEPHONE : 33 (0)5 62.41.73.00  
tbmcare@daher.com

**TB AIRCRAFT**

## SERVICE BULLETIN

**SB 10—157**

**32**

ATA No.

**RECOMMENDED**

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

**SUBJECT** : MAIN LANDING GEAR LOCKING

**REFERENCE DOCUMENT** :

Not applicable

**EFFECTIVITY** : All TB 20 and TB 21 aircraft

☐ TB 9

☐ TB 10

☐ TB 200

☒ TB 20

☒ TB 21

**NOTE :**

*If an aircraft listed in the effectivity has an embodied modification or repair that is not of DAHER AEROSPACE origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by its airworthiness authority for an adaptation necessary before incorporation of the Service Bulletin.*

**REASON** :

**A. PROBLEM**

Main landing gear may not lock properly which is indicated by a missing green light on the control panel.

**B. REASON**

Corrosion of the strut lock spring guides.

**C. SOLUTION**

Inspection and lubrication of spring and guides, replacement if necessary.

**SUMMARY** :

**A. PRELIMINARY STEPS**

**B. PROCEDURE**

**C. FINAL STEPS**

**APPLICATION** :

During next annual inspection

**WARRANTY** :

Not applicable

**OPERATIONAL CONSEQUENCES / TRAINING** :

Not applicable

MAY 22

Page 1 / 7

# SERVICE BULLETIN

SB 10–157

32

ATA No.

## RECOMMENDED

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

### MAINTENANCE CONSEQUENCES :

See Maintenance Manual, temporary revision TR17.12

### PROCURABLE MATERIAL :

If corrosion is detected on spring and/or guides

- Parts to be ordered from your TB spare parts distributor.

Item	Figure	Part Number	Description	Qty/aircraft
1	1	TB2041041100	Spring	1
2	1	TB2041040100	Spring pin guide	1
3	1	TB204104010149 <sup>(1)</sup>	Spring socket guide	1

<sup>(1)</sup> Can be replaced by TB2041040101

#### NOTE :

Part Numbers given in this Service Bulletin could be amended between the time of approval of the SB and the delivery of the kit without impact on this Service Bulletin approval or for the operators. If the part numbers change, DAHER AEROSPACE will inform operators through an update of the SB. Operators must contact their TB spare parts distributor for any question.

### CONSUMABLE MATERIAL or OTHER PRODUCTS (Local purchase) :

- Grease AIR 4210B – MIL–PRF–23827C (Type II) or equivalent

### TOOLS :

- Standard aeronautical maintenance station tools

### AFFECTED PUBLICATIONS : (Documents updated in relation to this SB distribution)

AMM : See Maintenance Manual, temporary revision TR17.12

IPC : Not impacted

POH : Not impacted

### RELATED DOCUMENTS : (Documents necessary to apply procedure described hereafter)

AMM Chapters :

- 07–10–00
- 32–30–00
- 32–30–03

### ASSOCIATED DOCUMENTS :

Maintenance Manual, temporary revision TR17.12

# SERVICE BULLETIN

TB AIRCRAFT

**SB 10–157**

**32**

ATA No.

## RECOMMENDED

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

### MANPOWER :

Application	
During a scheduled inspection	1 aeronautical mechanic : 2 hours
Out of a scheduled inspection	1 aeronautical mechanic : 3 hours

#### NOTE :

*The manpower estimates given in this Service Bulletin assume that the work will be done by Service Centers having multiple aircraft with experienced personnel.*

### TECHNICAL INCIDENCES :

- Not applicable

### PARTS TO BE RE–IDENTIFIED :

YES ☐ NO ☒

### DESCRIPTION OF ACCOMPLISHMENT INSTRUCTIONS :

#### WARNING

**MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.**

#### CAUTION

**ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE) ; WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. USE ALL APPROPRIATE MEANS TO DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION.**

#### NOTE :

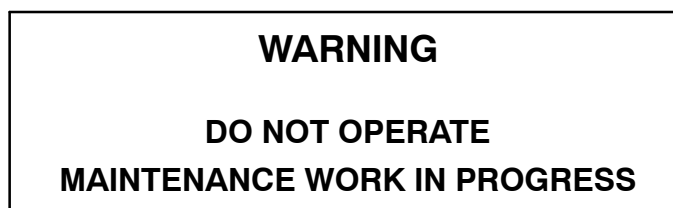
*Operations required in this Service Bulletin must be accomplished by persons authorized by their Airworthiness Authorities and according to the procedure described hereafter.*

#### NOTE :

*Discarded parts must be managed at the operator's discretion.*

#### A. PRELIMINARY STEPS

- 1) Install the warning sign prohibiting "SOURCE" selector operation



- 2) Jack up the aircraft – refer to Chapter 07–10–00 of the Maintenance Manual.

MAY 22

Page 3 / 7

# SERVICE BULLETIN

TB AIRCRAFT

**SB 10–157**

**32**

ATA No.

## RECOMMENDED

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

### B. PROCEDURE – See Figure 1

#### CAUTION

#### THIS PROCEDURE IS APPLICABLE TO L.H. AND R.H. MAIN LANDING GEARS.

- 1) Using any appropriate means, compress and remove the assembly spring pin guide (2) / spring (1) / spring socket guide (3).

#### NOTE :

*To facilitate removal, it may be necessary to manually unlock the hinged strut – refer to Chapter 32–30–03 of the Maintenance Manual.*

#### NOTE :

*See Figure 2 to have an example of tool to compress and remove the assembly.*

- 2) Inspect the three removed parts.

If no corrosion or signs of wear are detected

- 3) Apply a thin coat of grease AIR 4210B – MIL–PRF–23827C (Type II) or equivalent on spring pin guide (2) external face and spring socket guide (3) internal face.

#### CAUTION

#### THE SPRING SOCKET GUIDE MUST BE INSTALLED TOWARDS THE INBOARD SIDE OF THE AIRCRAFT.

- 4) Reinstall spring pin guide (2), spring (1) and spring socket guide (3).

If any corrosion or signs of wear are detected

- 3) Discard spring pin guide (2), spring (1) and spring socket guide (3) previously removed.
- 4) Apply a thin coat of grease AIR 4210B – MIL–PRF–23827C (Type II) or equivalent on spring pin guide (2) external face and spring socket guide (3) internal face.

#### CAUTION

#### THE SPRING SOCKET GUIDE MUST BE INSTALLED TOWARDS THE INBOARD SIDE OF THE AIRCRAFT.

- 5) Install spring pin guide (2), spring (1) and spring socket guide (3).

#### All

- 6) Perform an INSPECTION / CHECK – EXTENSION AND RETRACTION – Refer to Chapter 32–30–00 of the Maintenance Manual.

### C. FINAL STEPS

- 1) Make sure all the tools and materials are removed and the work area is clean and free from debris.
- 2) Lower the aircraft to ground and remove the jack – refer to Chapter 07–10–00 of the Maintenance Manual.

# SERVICE BULLETIN

TB AIRCRAFT

**SB 10–157**

**32**

ATA No.

## RECOMMENDED

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

### UPDATING OF THE AIRCRAFT DOCUMENTATION :

Upon completion of Service Bulletin No. SB10–157–32 "MAIN LANDING GEAR LOCKING",  
make an appropriate maintenance record entry.

**WARNING :** DAHER AEROSPACE considers that it is VERY IMPORTANT for operators to comply with the  
instructions of this SB.

Operators who arbitrarily ignore the compliance statement indicated in this SB do so at their  
own risk.

MAY 22

Page 5 / 7

# SERVICE BULLETIN

SB 10-157

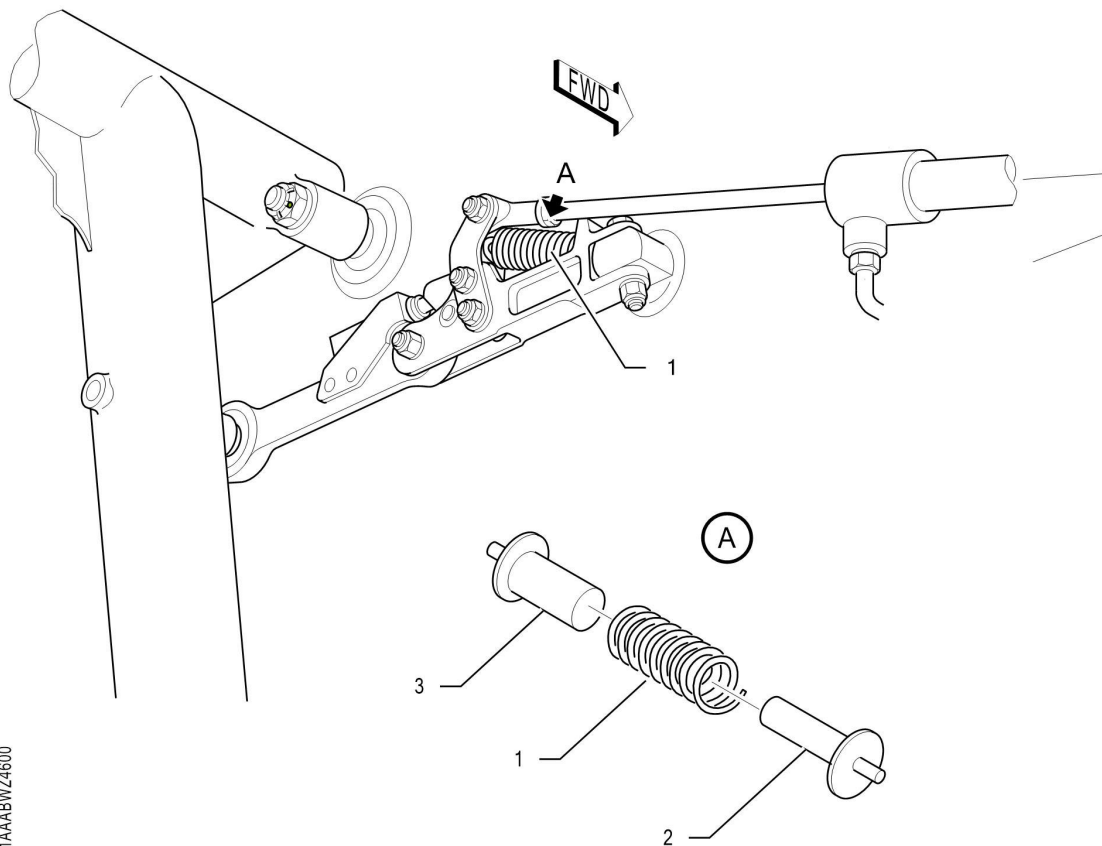
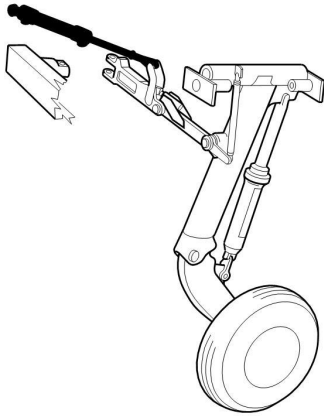
32

ATA No.

## RECOMMENDED

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

- 1 – Spring
- 2 – Spring pin guide
- 3 – Spring socket guide



C4323001AAABWZ4600

Figure 1 – Spring and guides – Removal / Installation

# SERVICE BULLETIN

TB AIRCRAFT

**SB 10–157**

**32**

ATA No.

**RECOMMENDED**

The technical content of this document is approved  
under the authority of the DOA ref EASA.21J.013

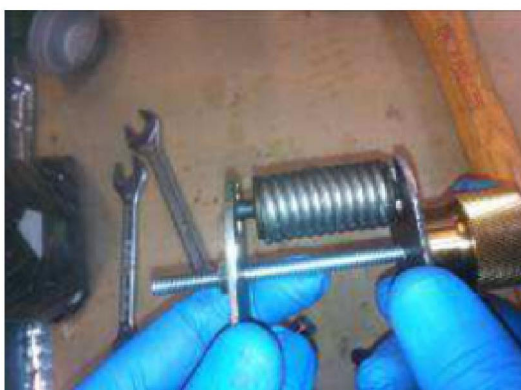


Figure 2 – Tool example

MAY 22

Page 7 / 7