	SB-A500A-3210-01	Revision:	--
		Type:	EA 400
Model:		EA 400-500	
Project:		A500A-16-03	
Date:		15. Jul. 2016	
Design Organisation EASA.21J.551			

SERVICE BULLETIN

MLG SHOCK ABSORBER UPDATE

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1. Subject

This Service Bulletin provides instructions concerning the shock absorbers of the main landing gear.

2. Affected Aircraft

EA 400-500, all serial numbers.

3. Introduction

This Service Bulletin is issued to correct two Placards on the shock absorbers of the main landing gear. In addition, compliance with this Service Bulletin will correct and detail maintenance instructions for the installation of the shock absorbers. Disregarding of this Service Bulletin may lead to false shock absorber installation which can result in failure during retraction of the main landing gear.

This Service Bulletin also introduces a new format of the Maintenance Manual and a revision of the relevant Section of the Aircraft Flight Manual.

4. Compliance Time

SST Flugtechnik considers compliance highly recommended within the next 6 months.

5. Approval

"The technical content of this document is approved under the authority of DOA. EASA.21J.551."

6. Instructions

6.1. Placard replacement

6.1.1. Installation planning

Prior to the actual placard replacement the content of the present serial number placards on both shock absorbers needs to be transmitted e.g. in terms of photos to SST Flugtechnik in order to provide correctly filled placards.

6.1.2. Preparation for removal

No special preparation is required.

6.1.3. Removal

Remove existing Serial Number Placard and Fluid Pressure Placard (refer to Figure 6.1) from both shock absorbers of the main landing gear.



Figure 6.1: Present Fluid Pressure Placard and Serial Number Placard on shock absorber

6.1.4. Installation

- Clean and degrease surfaces thoroughly with suitable cleaning solvent.
- Apply new Serial Number Placard and Fluid Pressure Placard (refer to chapter 7 for Part Numbers) in accordance to Figure 6.2.
 - Note that the left and right shock absorbers are not identical but mirrored. Thus, the Part Numbers **must** be taken into account for the replacement of the Serial Number Placards as follows:

Present Part Number	New Part Number	Location on Aircraft
40055131 B	500-3213-008-001	LH side
40055231 B	500-3213-008-002	RH side

- In case of any doubts the side of installation can be identified by the following fact. The nitrogen valve points forward (into flight direction) and is located at the lower inboard position referring to the upper bearing as depicted in Figure 6.2 exemplarily for the left hand shock absorber.
- Cover both placards with transparent foils (POS 3).

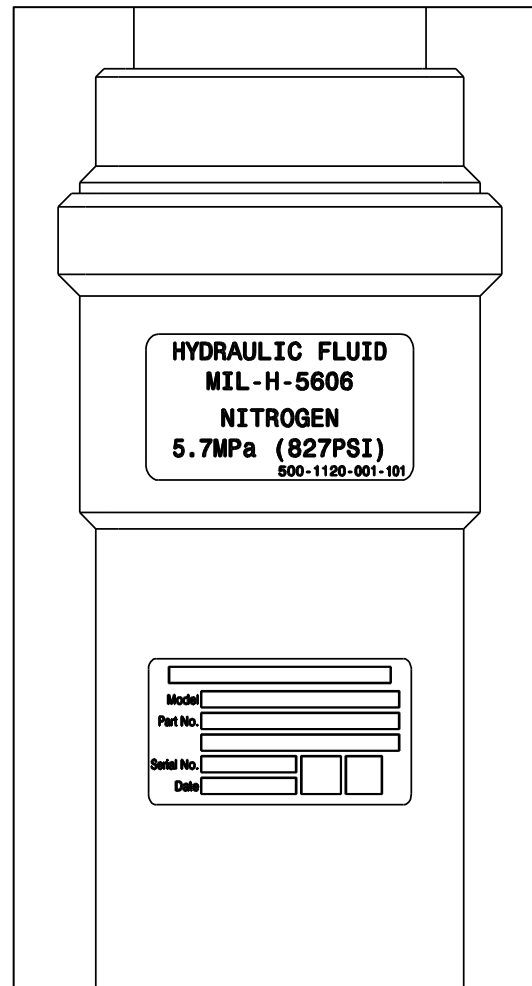
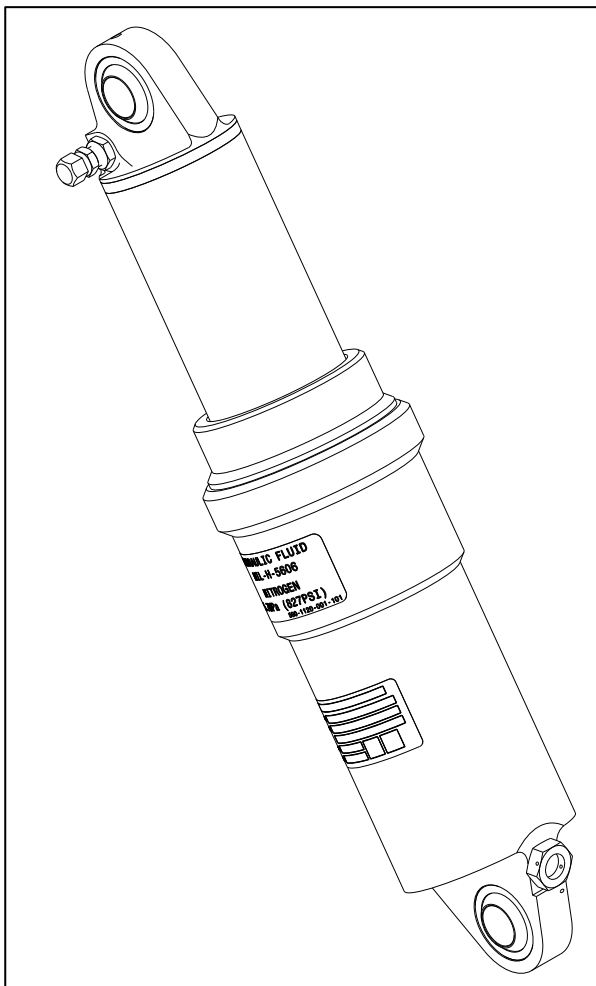


Figure 6.2 New Fluid Pressure Placard and Serial Number Placard on the LH shock absorber

6.2. Maintenance Manual replacement

Replace EA-0B702 *Maintenance Manual* by MM-A500A-0210-01 Issue 0-0 *MAINTENANCE MANUAL*.

6.3. Aircraft Flight Manual revision

Insert new *AIRCRAFT FLIGHT MANUAL* Issue 1-1 into present AFM. Therefore replace Section 0 and Section 2 by the new issue.

7. Material required

#	Amt.	Type	Number	Designation
1	2	Placard	500-1100-003-101	SN PLACARD
2	2	Placard	500-1120-001-101	MLG SA FLUID PRESSURE PLACARD
3	4	Foil	FLEXCON Classics Plus 10074	TRANSPARENT FOIL
4	1	Manual	MM-A500A-0210-01 Issue 0-0	MAINTENANCE MANUAL
5	1	Manual	AFM-A500A-0210-01 Issue 1-1	AIRCRAFT FLIGHT MANUAL

8. Release to Service

After installation, issue EASA FORM 1 for both shock absorbers in accordance with block 14a *Part-145.A.50 Release to Service* for the new Part Numbers. Replace present FORM 1 of the shock absorbers by the new ones in the Aircraft Logs. Additionally insert this Service Bulletin into the Aircraft Logs.

9. Weight and balance

No change.

10. Operating instructions


Refer to chapter 6.3 *Aircraft Flight Manual revision*.

11. Instructions for continued airworthiness

Refer to chapter 6.2 *Maintenance Manual replacement*.

12. Effectivity date

This mandatory Service Bulletin is effective upon the date of issuance.

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13. Installation check-out log

Submit a signed copy of the following page to:

support@sst-flugtechnik.com

SST FLUGTECHNIK GmbH
tel. +49-8331-972980
Am Flughafen 12a
D-87766 Memmingerberg

If problems with the implementation of this Service Bulletin occur, please contact SST-Flugtechnik by the contact details above.

13.1. Continued airworthiness data

INSTALLING AGENCY		AIRCRAFT OWNER	
Name:		Name:	
Organisation No.:		Postal Address:	
Contact Person:			
Postal Address:		Telephone No.:	
		E-Mail:	
Telephone No.:		MODIFIED AIRCRAFT	
E-Mail:		Aircraft Type:	
Date of installation:		Aircraft Model:	
		Serial Number:	
		Registration:	

13.2. Installed configuration

INSTALLED SYSTEM	
Manufacturer:	--
Model:	--
Part Number:	500-1100-003-101, 500-1120-001-101, AFM-A500A-0210-01 Issue 1-1, MM-A500A-0210-01 Issue 0-0
Serial Number:	--

13.3. A/C Documentation checks

- | | |
|---|--|
| <input type="checkbox"/> AFM completed and inserted. | <input type="checkbox"/> MM completed and inserted. |
| <input checked="" type="checkbox"/> Equipment List updated. | <input checked="" type="checkbox"/> MMS completed and inserted. |
| <input checked="" type="checkbox"/> AFMS completed and inserted. | <input checked="" type="checkbox"/> Electrical Load Analysis updated. |
| <input checked="" type="checkbox"/> Weight and Balance record updated. | <input type="checkbox"/> Release to Service Documentation updated. |

13.4. Installation accomplishment statement

I hereby confirm

- that all conditions and requirements set forth in this Service Bulletin are met;
- that the installation and check-out instructions of this Service Bulletin have been followed;
- that the information provided in this check-out log is complete and correct.

Date

Name in block letters

Signature