Luftfahrt-Bundesamt I 303-518/95

Mitteilung über die Ergänzung der Musterzulassung Nr.: 0664/518

Antragsteller: Hermann Liese

Änderung: Einbau Schalldämpferanlage Liese-R74x8x100

Muster/Baureihen: Piper PA-28-140

Geräte-Kennblatt Nr.: 518

Die Musterzulassung des/der o.a. Musters/Baureihe wird durch folgende Angaben ergänzt:

Die Verwendung der Schalldämpferanlage Liese R74x8x100 nach "UMRÜSTANWEISUNG Schalldämpferanlage Liese-R74x8x100", Ausgabe 07.95 oder jeder späteren Ausgabe, ist zugelassen.

So umgerüstete Flugzeuge sind zu betreiben nach dem Original Flughandbuch.

Die Lärmschutzforderungen für Luftfahreuge (LSL Kap. X), Stand 01.01.91 sind erfüllt.

Die Verträglichkeit dieser Änderung mit anderen zugelassenen Änderungen ist nicht geprüft. Ihre Eignung für das einzelne Luftfahrzeug ist von dessen Änderungs- und Ausrüstungszustand abhängig.

Unterlagen sind zu beziehen bei:

Hermann Liese Truderingerstr. 2 82008 Unterhaching

INSTALLATION MANUAL

MUFFLER SYSTEM LIESE-R74x8x100 (U.S.Patent No. 5,703,338)

for the Aircraft

Piper PA-28-140

LBA-Data-Sheet Nr.: 518

Silencer EMZ/STC No.: 0664/518

Translation of the german LBA approved manual, Issue July 1995

This modification is based on the standard configuration of the basic aircraft. Before installation of this modification it must be checked that no previous installed modifications create a confict with this modification in respect to the airworthines of the aircraft.

1. List of valid pages:

Contens	Page	Issue
1. List of valid pages	2	7/95
2. Description	2	7/95
3. Installation	3	7/95
4. Weight and c.g.	3	7/95
5. Flight Manual (AFM)	3	7/95
6. Maintenance instruction	3 - 4	7/95
7. Installation Drawing	5	7/95

2. Description:

The Muffler System LIESE-R74x8x100 for the aircraft model Piper PA-28-140 mainly consists of two noise-reduction elements integrated into the original muffler of the aircraft.

The modification of the mufflers is done at the production company of the LIESE-Silencers. The conversion on the aircraft is done by exchanging the original muffler with the modified muffler.

The total additional mass of the LIESE-Muffler is 0,8 Kg (1,4 lbs) at station 1,15 m (45,2 ").

3. Installation:

- 1. Remove the lower engine cowling.
- 2. Remove the muffler according to the maintenance instructions of the aircraft manufacturer.
- 3. Send the muffler to our manufacturing company Firma BITZ Flugzeugbau GmbH Ulrichsmahd 22 – 30 86179 AUGSBURG Germany Tel +49 821 811228
- 4. Install the modified muffler with integrated LIESE-Silencer according to the maintenance instructions of the aircraft manufacturer and take care of the following points:
- 5. Performe a engine ground run and check muffler installation.
- 6. Mount the lower engine cowling according to the maintenance instructions of the aircraft manufacturer.
- 7. Notify the Muffler LIESE-R74x8x100 as additional equipment with 0.8 Kg (1.4 lbs) at station 1.15 m (45.3 ").
- 8. Confirme the performed modification in the log book of the aircraft.

4. Weight and c.g.:

Due to the small additional mass of the LIESE-Muffler System of 0.8 Kg and the negligible c.g.-shift a new weight-c.g. measurement is not neccessary.

5. Flight Manual (AFM):

The modification to the LIESE-Muffler system has no effects on the handling of the PA-28-140 aircraft. Therefore no changes to AFM are required.

<u>6. Maintenance Instruction:</u>

To maintain the airworthiness of the aircraft with the LIESE-Muffler system the maintenance instruction on page 4 of this installation manual must be observed.

Cut out the page below and add it to the maintenance instructions of the aircraft.

Hermann LIESE FLUGTECHNIK Truderingerstr. 2 D-82008 UNTERHACHING Tel.: +49 89 6113249 Fax.: +49 89 61501647	Maintenance Instruction Piper PA-28-140 for the Muffler System LIESE-R74x8x100	
	Muffler System LIESE-R74x8x100. the aircraft the following maintenance ours inspection.	
MAINTENANCE INSTRUCTION		
50 h Inspection: 1. Remove the exhaust pipes be muffler/silencer.	tween the left cylinders and the	
2. Visually inspect the silencer t internal damage and cracks.		
2.1. In all cases of damage of Firma BITZ FLUGZEU Ullrichsmahd 22 D-86179 AUGSBURG GERMANY		
3. Mount the connection pipe between the cylinder at the left side of the muffler and install the clamps.		
Information about observed damages an impact on aviation safety shall imm Aviation Authority and the producer:	to the muffler system which could have rediately be forwarded to the Civil	
Firma Hermann LIESE FLUG Truderingerstr. 2 D-82008 UNTERHACHING GERMANY Tel.: +49 89 6113249 Fa		
Issue 7/95		

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7. Installation Drawing:

Installation Manual Muffler Type LIESE-R74x8x100 for the Aircraft Model Piper PA-28-140

Issue 7/95

