

Cleveland

Wheels & Brakes

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SERVICE BULLETIN

UPGRADE OF 40-86B WHEEL ASSEMBLY TO 40-407 CONFIGURATION

- EFFECTIVITY:** Parker P/N 40-86B Wheel Assemblies.
- APPLICABILITY:** All Slingsby, Model T-3A aircraft equipped with the P/N 40-86B wheel assemblies that are to be upgraded to use the 30-236/40-407 brake and wheel assemblies.
- Current spares inventory of 40-86B wheel assembly for Slingsby Model T-3A.
- REASON:** Product Upgrade - To allow reconfiguration of the P/N 40-86B Wheel Assembly currently using a diameter 1.625 in. I.D. Grease Seal Felt on the Inboard and Outboard Wheel Halves to P/N 40-407 Wheel Assembly which will use diameter 1.75 in. I.D. Grease Seals on the Inboard and Outboard Wheel Halves and a thicker brake disc that is compatible with the 30-236 Brake Assembly.
- DESCRIPTION:** This document provides the necessary instructions and P/N requirements to upgrade the 40-86B Wheel Assembly to the 40-407 configuration. Replacement parts may be procured individually under the Parker part numbers (when shown) or from Parker Hannifin as Service Bulletin Kit P/N SB7057-1.
- COMPLIANCE:** **Mandatory** - If 40-86B Wheel Assembly is going to be used on T-3A aircraft modified to use the 30-236 Brake Assembly.
- APPROVAL:** The design contents of this Service Bulletin are FAA DER approved.
- WEIGHT & BALANCE:** None
- PUBLICATIONS:** P/N 40-407 illustrated parts list information will be incorporated into the Cleveland Wheels & Brakes Product Catalog at next revision.
- MATERIALS:** SB7057-1 Service Bulletin Kit Parts List:
- Note: Each Kit will contain the parts required to convert one (1) 40-86B Wheel Assembly to the 40-407 configuration.

<u>PARKER P/N</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
154-03000	Grease Seal	2
155-00100	Ring, Retaining	2
164-24400	Brake Disc	1
166-19700	Nameplate (for 40-407 Wheel Ass'y)	1
166-20000	Nameplate "Warning"	1
SB7057	Service Bulletin (This Document)	1

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INSTRUCTIONS:

1. The following components must be removed from the existing P/N 40-86B Wheel Assembly and discarded.

**WARNING: DEFLATE TIRE BEFORE LOOSENING
WHEEL TIE BOLTS**

<u>PARKER P/N</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
155-00100	Ring, Retaining (Inner & Outer Wheel Half)	2
153-00400	Ring, Grease Seal (Inner & Outer Wheel Half)	4
154-00300	Felt, Grease Seal (Inner & Outer Wheel Half)	2
164-02000	Brake Disc	1
166-02100	Nameplate (located on Outboard Wheel Half)	1

2. Disassemble the wheel and inspect components per Cleveland Wheel and Brake Component Maintenance Manual, AWBCMM0001-1.
3. Reassemble using the components as furnished in the service bulletin kit.
4. Install Grease Seals P/N 154-03000 on Inboard and Outboard Wheel Hubs and secure with Retaining Rings P/N 155-00100.
5. Install new nameplate P/N 166-19700 on Outboard Wheel Half. Note: The manufacturing date code for all replacement nameplates will be coded with the current date that the nameplate is printed. Example: A nameplate that is printed in April of 1997 will be identified as Mfg. 04R97 (An "R" between the month and year indicates that this is a replacement nameplate).
6. Install P/N 166-20000 "Warning" Nameplate adjacent to the valve.
7. Mount tire to wheel (as applicable) and reassemble with 164-24400 brake disc. Torque wheel tie bolts to 150 in-lbs.
8. Make a log book entry referencing this activity, and return aircraft to service (as applicable).