

# Cleveland

Wheels & Brakes

Parker Hannifin Corporation

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# SERVICE BULLETIN

## UPGRADE OF 40-97E WHEEL ASSEMBLY TO 40-97F CONFIGURATION

**EFFECTIVITY:** Parker P/N 40-97E Wheel Assemblies equipped with Grease Seal Felt P/N 154-00300 and Grease Seal Rings P/N 153-00400 on Inboard Wheel Half.

**APPLICABILITY:** 40-97E Main Wheel Assemblies for use on Socata Model TB9, TB10 & TB200 aircraft equipped with Trailing Arm Landing Gear.

**REASON:** Product Upgrade - To allow reconfiguration of the P/N 40-97E Wheel Assembly currently using a diameter 1.625 in. I.D. Grease Seal Felt on the Inboard Wheel Half to P/N 40-97F Wheel Assembly which will use a diameter 1.875 in. I.D. Grease Seal Felt on the Inboard Wheel Half. This upgrade will permit proper interface of the Wheel Assembly to Trailing Arm Gear designed for use on TB9, TB10 & TB200 aircraft.

**DESCRIPTION:** This document provides the necessary instructions and P/N requirements to upgrade the 40-97E Wheel Assembly to the 40-97F configuration. Replacement parts may be procured individually under the Parker part numbers (when shown) or from Parker Hannifin as Service Bulletin Kit P/N SB7050-1.

**COMPLIANCE:** **Mandatory** - If 40-97E Wheel Assembly is going to be used on TB9, TB10 & TB200 Aircraft with Trailing Arm Landing Gear.

**APPROVAL:** The design contents of this Service Bulletin are FAA DER approved.

**WEIGHT & BALANCE:** None

**PUBLICATIONS:** 40-97F information will be incorporated into the Cleveland Wheels & Brakes Product Catalog at next revision.

**MATERIALS:** SB7050-1 Service Bulletin Kit Parts List:

**Note:** Each Kit will contain the parts required to convert one (1) 40-97E Wheel Assembly to the 40-97F configuration.

<u>PARKER P/N</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
154-01600	Felt, Grease Seal	1
153-01600	Ring, Grease Seal	2
155-00100	Ring, Retaining	1
166-19700	Nameplate (for 40-97F Wheel Ass'y)	1
166-20000	Nameplate "Warning"	1
SB7050	Service Bulletin (This Document)	1

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## INSTRUCTIONS:

1. The following components must be removed from the existing P/N 40-97E Wheel Assembly and discarded: (See Figure 1 for location of components)

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

2. Prior to installing new Grease Seal Rings and Grease Seal Felt on Inboard Wheel Hub, lightly saturate the Grease Seal Felt, P/N 154-01600 with SAE10 oil.
3. Install Grease Seal Rings P/N 153-01600 and Grease Seal Felt P/N 154-01600 on Inboard Wheel Hub as shown in Figure 1 and secure with Retaining Ring P/N 155-00100.
4. Install new nameplate P/N 166-19700 on Outboard Wheel Half as shown in Figure 1. 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).
5. Install P/N 166-20000 "Warning" Nameplate adjacent to the valve.

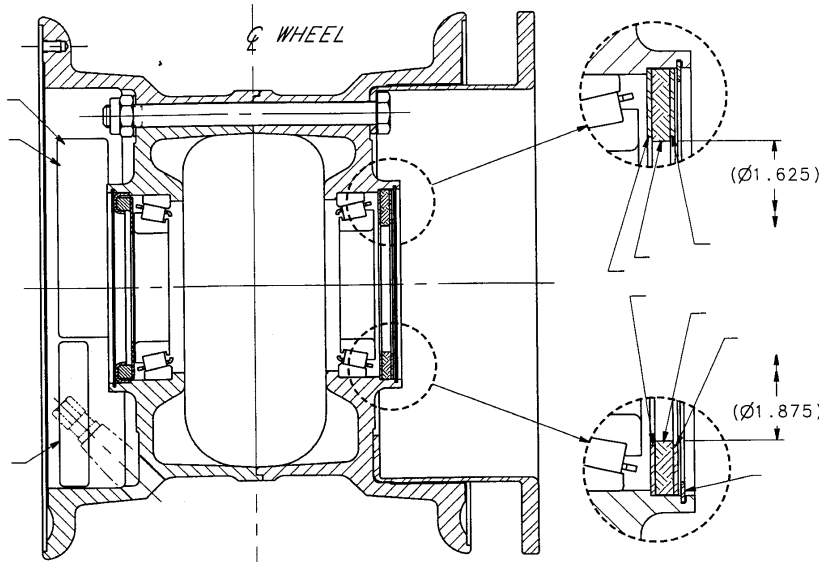


Figure 1 - Converting 40-97E Wheel Assembly to 40-97F Configuration