

Cleveland

Wheels & Brakes

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SERVICE BULLETIN

40-279 / 30-210 WHEEL & BRAKE – TIRE RUB - UPGRADE TO 40-279A / 30-210A WHEEL & BRAKE

- EFFECTIVITY:** Parker P/N 40-279 Wheel Assemblies and P/N 30-210 Brake Assemblies.
- APPLICABILITY:** All aircraft currently equipped and operating with Parker Hannifin P/N 40-279 Wheel Assemblies and P/N 30-210 Brake Assemblies that are approved for the 30-210A / 40-279A configuration by the aircraft manufacturer.
- REASON:** Parker Hannifin has received reports of the tire side wall scuffing the brake assembly back plate during taxiing at maximum gross weight conditions. If left unattended, this condition could cause reduced service life of the tire. This bulletin provides for a Kit comprised of new brake discs for the wheel assemblies that extend the disc flange further away from the tire sidewall providing additional clearance. In addition, the Kit also includes new anchor bolts for the brake assembly in order to maintain the proper engagement of the brake to the torque plate assembly.
- DESCRIPTION:** This document provides the necessary instructions and P/N requirements to upgrade the P/N 40-279 / 30-210 Wheel and Brake Assemblies to the P/N 40-279A / 30-210A configuration. Service Bulletin Kit # SB7067-1 can be ordered directly from Parker Hannifin Distributors.
- COMPLIANCE:** **Optional** – At Owner / Operators discretion provided that P/N's 40-279A and 30-210A are approved by the aircraft manufacturer.
- APPROVAL:** The design contents of this Service Bulletin are FAA DER approved.
- WEIGHT & BALANCE:** The installation of the SB7067-1 Kit adds an additional 4.18 lbs. of weight to the aircraft over the existing P/N 40-279 / 30-210 Wheel and Brake assemblies.
- PUBLICATIONS:** P/N 40-279A Wheel Assembly and P/N 30-210A Brake Assembly illustrated parts list information will be incorporated into the Cleveland Wheels & Brakes Product Catalog No. AWBPC0001 at the next revision. The SB7067 Service Bulletin will be incorporated into the Cleveland Wheels and Brakes Product Catalog and Maintenance Manual No. AWBCM0001 at the next revision.

MATERIALS: SB7067-1 Service Bulletin Kit Parts List:

Note: Each Kit will contain the parts required to convert one (1) aircraft currently equipped with the two P/N 40-279 Wheel Assemblies and two P/N 30-210 Brake Assemblies to the 40-279A / 30-210A configuration.



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MATERIALS: **SB7067-1 Service Bulletin Kit Parts List:** (cont'd)

PARKER P/N	DESCRIPTION	QUANTITY
164-23002	BRAKE DISC	2
069-02301	ANCHOR BOLT	8
166-19700	NAMEPLATE (replacement for 40-279A)	2
166-20100	NAMEPLATE (replacement for 30-210A)	2
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INSTRUCTIONS:

CONVERTING P/N 40-279 WHEEL ASSEMBLY TO P/N 40-279A CONFIGURATION:

(Refer to the applicable section of Cleveland Product Catalog No. AWBPCC0001 for Illustrated Parts breakdown of 40-279 Wheel Assembly and to Component Maintenance Manual No. AWBCMM0001 to supplement disassembly and assembly instructions)

1. Jack aircraft per aircraft service manual, fully deflate tires and remove P/N 40-279 Wheel Assembly from axle.
2. Disassemble wheel assembly and discard existing P/N 164-23001 Brake Disc.
3. Re-assemble wheel-tire assembly using new P/N 164-23002 Brake Disc. Lubtork wheel tie bolts, washers and nuts to 300 in-lbs. using MIL-T-83483 anti-seize compound.
4. Remove existing identification nameplate from outboard wheel half and install new P/N 166-19700 replacement nameplate. 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 March of 2001 will be identified as Mfg. 03R01 (An "R" between the month and the year indicates that this is a replacement nameplate).
5. Repeat steps 1-4 for second wheel assembly.

CONVERTING P/N 30-210 BRAKE ASSEMBLY TO P/N 30-210A BRAKE ASSEMBLY CONFIGURATION:

(Refer to the applicable section of Cleveland Product Catalog No. AWBPCC0001 for Illustrated Parts breakdown of 30-210 Brake Assembly and to Component Maintenance Manual No. AWBCMM0001 to supplement disassembly and assembly instructions).

1. Remove P/N 30-210 brake assembly from aircraft per aircraft service manual.
 2. Properly fixture and press out four existing P/N 069-02300 anchor bolts from cylinder assembly removing nut and washer that secures anchor bolts to cylinder assembly.
 3. Next, properly fixture and install four new P/N 069-02301 anchor bolts into cylinder assembly. Install washers and nuts on ends of anchor bolts and torque to 150 in-lbs. to secure.
 4. Remove existing identification nameplate from P/N 075-18500 torque plate assembly and install new P/N 166-20100 replacement nameplate. 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 March of 2001 will be identified as Mfg. 03R01 (An "R" between the month and the year indicates that this is a replacement nameplate).
 5. Repeat steps 1-4 for second brake assembly.
- Service tires to proper inflation pressure as specified in aircraft service manual.
 - Re-install newly converted wheel and brake assemblies on aircraft per aircraft service manual and bleed brakes.
 - Make logbook entry noting Weight and Balance adjustment and installation of Wheel and Brake P/N's 40-279A and 30-210A per aircraft manufacturers approval and return aircraft back to service (as applicable).