

Cleveland

Wheels & Brakes

Parker Hannifin Corporation

Aircraft Wheel & Brake

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PRODUCT REFERENCE MEMO

CONVERSION OF CLEVELAND 40-120 AND 40-120C MAIN WHEEL TO USE SLOTTED BRAKE DISC, PART NUMBER 164-21600

APPLICABILITY: Piper Cherokee 6, Lance, Saratoga, Seneca and Seminole Models; those equipped with Cleveland Main Wheel, Part Number 40-120 or 40-120C

PURPOSE: Product improvements to prevent possible disc flange thermal cracking and increase disc service life

MATERIALS

REQUIRED: Cleveland conversion kit 199-118, one (1) kit required per aircraft

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
164-21600	Brake Disc Assembly	2
094-12700	Nut	12
095-03000	Washer	12
	Wheel Modification Drawing 50-93	1

PROCEDURE:

1. Properly jack up aircraft.
2. Loosen brake tie bolts and remove back plates from brake.
3. Deflate tire and remove wheel from axle.
4. Loosen 6 wheel bolts and nuts and remove existing 164-04600 brake disc from wheel.
5. Install new 164-21600 brake disc using existing 103-20400 bolts, existing 095-10500 washers (mounted under each nut on outer side of wheel), new 094-12700 nuts and new 095-03000 washers (mounted under bolt head with radiused side of washer facing away from bolt head). Torque bolts at 150 in-lb.
6. Reinstall wheel on axle and inflate tire.
7. Reinstall back plates on brake and torque bolts at 70-80 in-lb.
8. Repeat steps 2 through 7 for opposite side.
9. Make a log book entry referencing this activity and return aircraft to service.