

Wheels & Brakes

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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

PART NUMBER	DESCRIPTION	<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 (mountedunder 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.

