



AIRCRAFT WHEEL & BRAKE DIVISION
PARKER HANNIFIN CORPORATION
AVON, OHIO

LIST OF PARTS

WHEEL & BRAKE SHIP SET

ORDER CODE: 199-08403

FOR GENERAL USAGE

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
30-75	Main Brake Assembly (FAA Approved per TSO C26a)	2
40-113 CHROME	40-113 Main Wheel Assembly with Chrome Plated Disc (CODE: 040-11300-3) (FAA Approved per TSO C26a)	2
<u>Publication Package (P/N PP199-08403) Consists of the following</u>		
199-08403 P/L	Parts List for Order Code: 199-08403 (This document)	1
20-111	Drawing, General Arrangement 40-113/30-75 Wheel & Brake Assy	1
PRM62	Conversion Kit / Chrome Disc Data Sheet	
PRM13A	Non Asbestos Lining Conditioning Procedure	1

NOTES:

1. The Cleveland Wheels & Brakes as listed are FAA TSO C26 approved, quantity are furnished in pairs for replacement of existing equipment on FAA Type Certificated Aircraft (Original Equipment TC Approved or per TC holder Service Bulletin) or initial installation on an experimental non FAA Type Certificated Aircraft.
2. **Note! For a product to be TSO qualified, it has to have successfully demonstrated its ability to meet minimum performance standards in accordance with FAA recognized rating methods. The TSO approval of a product does not constitute installation approval or applicability on an FAA Type Certificated Aircraft.** It is the responsibility of those installing these products to determine that the aircraft installation and its wheel and brake performance requirements are compatible for the TSO ratings of the wheel and brake. TSO approved products must have separate approval for installation in a FAA type certificated aircraft. TSO Approved Products may be installed only if performed under Title 14 CFR Part 43 or the applicable airworthiness requirements.
3. Be advised that number "199-08403" is an Order Code Number only, to identify the grouping of a pre-packaged ship set of TSO Approved wheels and brakes for customer ordering and shipping convenience. At time of installation of parts contained within, the installer is to refer only to the Part Number of each listed wheel and brake assembly to indicate what parts have been installed on the aircraft. Do not refer to the 199-08403 order code number for installation purposes, as it is not an FAA recognized part number.
4. 199-08403 is identical to 199-08400 except included wheels are equipped with chrome plated discs.

Order Code Number: 199-08403 P/L
Rev. G 11-15-2004 (0363-64)

Cleveland

Wheels & Brakes

Parker Hannifin Corporation

Aircraft Wheel & Brake

1160 Center Road

Avon, Ohio 44011 USA

1-800-BRAKING (272-5464)

216-937-1272 • FAX 216-937-5409

PRODUCT REFERENCE MEMO

CONDITIONING PROCEDURE FOR NON ASBESTOS ORGANIC BRAKE LINING

The brake lining material used in this brake assembly is a non asbestos organic composition. This material must be properly conditioned in order to provide maximum performance and service life.

Conditioning may be accomplished as follows:

1. Taxi aircraft for 1500 feet with engine at 1700 rpm applying brake pedal force as needed to develop a 5 - 10 mph taxi speed.
2. Allow brakes to cool for 10 - 15 minutes.
3. Apply brakes and check to see if a high throttle static run up may be held with normal pedal force. If so, conditioning is completed.
4. If static run up cannot be held, repeat steps 1 through 3 as needed to successfully hold.

This conditioning procedure will generate sufficient heat to create a thin layer of glazed material at the lining friction surface. Normal brake usage should generate enough heat to maintain the glaze throughout the life of the lining.

Light brake usage can cause the glaze to wear off, resulting in reduced brake performance. In such cases, the lining may be conditioned again following the instructions set forth in this PRM.

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CONVERSION KIT / CHROME DISC DATA SHEET

The designation "CHROME" after the part number of the following Wheel and Brake Conversion Kits means that they contain wheels equipped with Cleveland Chrome Brake Discs. Wheels with chrome brake discs are FAA-TSO approved under the original model number.

<u>STANDARD KIT</u>	<u>CHROME DISC KIT</u>	<u>*WHEEL ASSEMBLY</u>	<u>CHROME DISC</u>
199-46	199-46 CHROME	40-97A	164-12601
199-48	199-48 CHROME	40-113C	164-14300
199-49	199-49 CHROME	40-83	164-12504
199-60	199-60 CHROME	40-75B	164-11501
199-60A	199-60A CHROME	40-75B	164-11501
199-62	199-62 CHROME	40-75D	164-13601
199-62A	199-62A CHROME	40-75T	164-18300
199-71	199-71 CHROME	40-60	164-16700
199-71A	199-71A CHROME	40-60A	164-16700
199-79	199-79 CHROME	40-97D	164-12601
199-84	199-84 CHROME	40-113	164-14000
199-84A	199-84A CHROME	40-113	164-14000
199-87	199-87 CHROME	40-97D	164-12601
199-102	199-102 CHROME	40-78B	164-11700
199-103	199-103 CHROME	40-78A	164-11700
199-104	199-104 CHROME	40-59A	164-17500
199-105	199-105 CHROME	40-113X	164-14000
199-124	199-124 CHROME	40-113C	164-14300

* To order a Wheel Assembly equipped with a Cleveland Chrome Brake Disc, specify the Wheel Model Number followed by "CHROME".

EXAMPLE: 40-97A CHROME