

PRODUCT REFERENCE MEMO

GREASING PROCEDURE FOR P/N 40-426B & 40-426C WHEEL ASSEMBLIES

1. PLANNING INFORMATION

A. APPLICABILITY

All Parker Hannifin (Cleveland Wheels & Brakes) P/N 40-426B and 40-426C wheel assemblies.

B. REASON

Field support.

C. DESCRIPTION

This PRM provides instruction for properly charging the wheel bearings with grease without requiring removal of the wheel assembly from the aircraft and disassembling.

D. COMPLIANCE

Optional, at owner's discretion.

E. APPROVAL

This service document is approved for support of an FAA TSO-C26c product.

F. TOOLING

Commercial source. Refer to Figure 1, Quick Connect Needle Nose coupler. Tip Diameter: 0.070 inch.



Figure 1 Quick Connect Needle Nose coupler

G. WEIGHT AND BALANCE

Not affected.

H. OTHER PUBLICATIONS AFFECTED

None.

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2. ACCOMPLISHMENT INSTRUCTIONS

A. GREASING INSTRUCTIONS

SAFETY WARNING:  **DEFLATE THE TIRE. WORKING ON OR NEAR A FULLY INFLATED TIRE CAN BE DANGEROUS.**

- (1) Deflate the tire in accordance with the aircraft manufacturer's instructions.
- (2) Insert the tip of needle nose coupler into the access hole of either inboard or outboard grease seal. Refer to Figure 2.

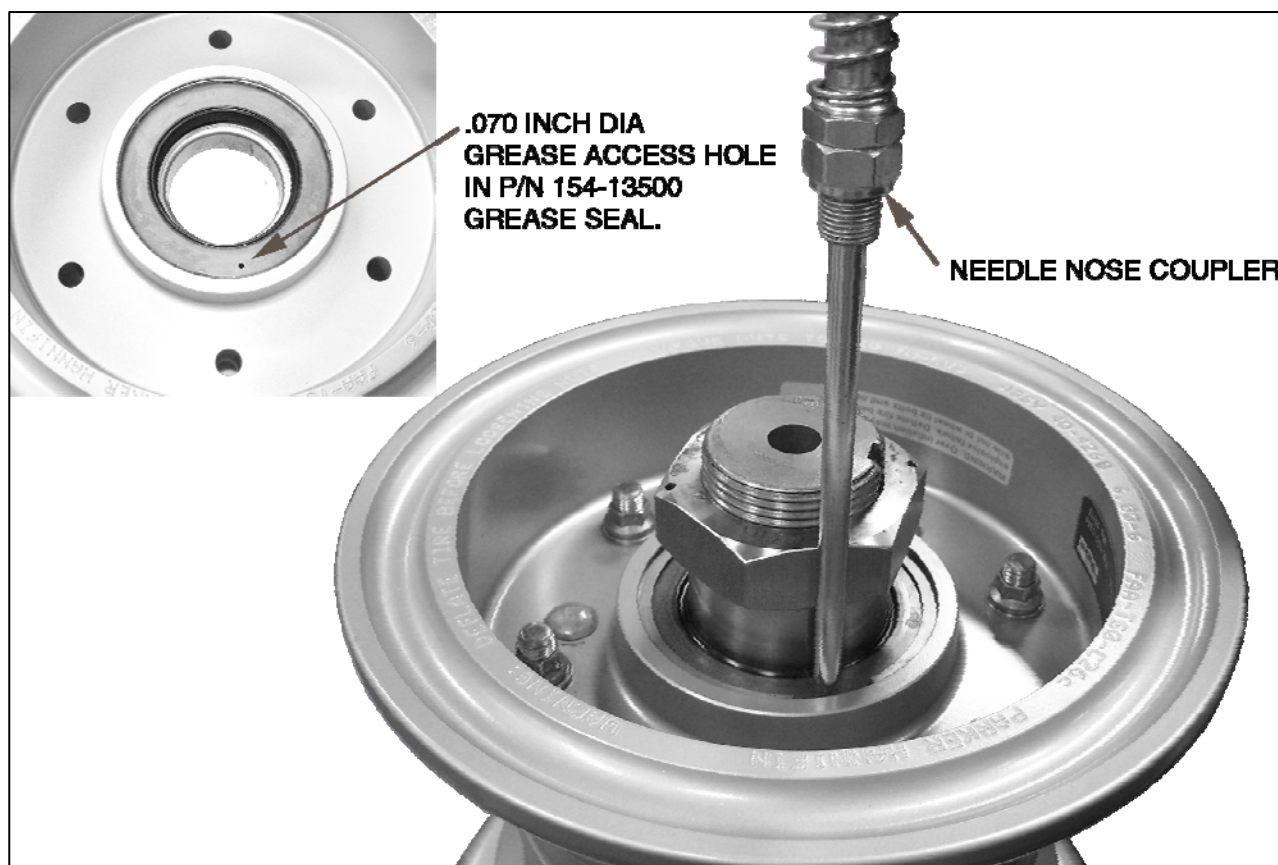


Figure 2 Charging the bearings and bearing seal cavity with grease

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- (2) Apply grease at low pressure, 30 psig max, until grease begins to outflow through the other side (grease seal access hole). Refer to Figure 3.



Figure 3 Grease outflow

- (3) Inflate the tire to the service inflation pressure.

B. RETURN TO SERVICE

- (1) Make appropriate logbook entry, if required, and return the aircraft to service.

3. SUPPORT

In addition to or in absence of individual wheel assembly maintenance manuals, refer to the following publications, published by Parker Hannifin – Aircraft Wheel and Brake, for disassembly and assembly procedures; service limits, general maintenance guidelines, and applicable related data. Always obtain the latest issue in effect.

AWBCMM0001 Component Maintenance Manual, External Design Wheels & Brakes
AWBTSG0001 Technician's Service Guide (formerly PRM64)

Contact technical support for additional assistance.

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