



Parker Hannifin Corporation
Aircraft Wheel & Brake
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PRODUCT REFERENCE MEMO

40-418B AND 40-426A WHEEL ASSEMBLIES (AMPHIBIOUS APPLICATIONS) – PREFERRED GREASE (OMNI WATERPROOF GREEN GREASE, NO. 2)

1. PLANNING INFORMATION

A. APPLICABILITY

Amphibious applicability aircraft using the following Parker Hannifin products:

P/N 40-418B and 40-426A.

B. REASON

OMNI Waterproof Green Grease, No. 2 is the preferred bearing grease for use in amphibious applications for Parker Hannifin (Cleveland Wheels & Brakes) wheel assemblies.

C. DESCRIPTION

CAUTION: AVIATION BEARING GREASE SHOULD NOT BE INTERMIXED WITH EACH OTHER. PRECAUTIONS SHOULD BE TAKEN TO ENSURE THAT THIS GREASE IS NOT INTERMIXED WITH OTHER WHEEL BEARING GREASES AND IS BEING USED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.

NOTE: For technical data and MSDS sheets on OMNI Waterproof Green Grease, No. 2, visit the manufacturer's website at www.greengrease.net.

OMNI Waterproof Green Grease, No. 2 is a high performance synthetic-based grease. It is recommended for amphibious application because its unique properties provide excellent salt water protection, high resistance to corrosion and high water washout resistance. It also has excellent protection against wear, rust, and high temperature degradation. The grease has an operating temperature range of -20°F (-28.9°C) to +500°F (+260°C). There is no military specification for this product.

D. COMPLIANCE

Recommended.

E. APPROVAL

Not applicable.

F. MANPOWER

Not applicable.

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2016

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PRM104
Page 1 of 3

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G. TOOLING

No additional special tooling is required.

H. WEIGHT AND BALANCE

Not affected.

I. REFERENCES

AWBCMM0001 Maintenance Manual, External Design Wheels & Brakes
AWBTSG0001 Technician's Service Guide

J. OTHER PUBLICATIONS AFFECTED

AWBCMM0001 Maintenance Manual, External Design Wheels & Brakes
AWBTSG0001 Technician's Service Guide

2. ACCOMPLISHMENT INSTRUCTIONS

A. For 40-418B and 40-426A

- (1) At the next tire change or overhaul, thoroughly clean molded seals.
- (2) Thoroughly clean and completely remove grease from the bearings, bearing bore and hub per Parker Hannifin publication, AWBCMM0001 – Maintenance Manual, External Design Wheels & Brakes (Reference: *Brake and Wheel Refinishing*, Section A. Degreasing) and re-pack bearings (Reference: *Wheel Reassembly*, Section 5. Bearing Installation).
- (3) Pack bearings with OMNI Waterproof Green Grease, No. 2.
- (4) Make appropriate logbook entry, if required, and return the aircraft to service.



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3. MATERIAL INFORMATION

A. MATERIAL-REQUIREMENTS

Consumable products:

- OMNI Waterproof Green Grease, No. 2
OMNI Lubricants
Lewisville, TX

B. LIST OF COMPONENTS

Not applicable.

C. PARTS DISPOSITION

Not applicable.

4. SUPPORT

Contact technical support for additional assistance:

Parker Hannifin Corporation
Aircraft Wheel & Brake Division
Technical Service Hotline: 1-800-BRAKING
Customer Support Fax: 440-937-5409
E-mail: clevelandwbhelp@parker.com

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PRM104
Page 3 of 3

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