

# Cleveland

Wheels & Brakes

## Parker Hannifin Corporation

Aircraft Wheel & Brake

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# PRODUCT REFERENCE MEMO

## INFORMATION AND TORQUING PROCEDURES

- EFFECTIVITY:** All Parker Hannifin (Cleveland Wheels & Brakes) External Disc Design wheel & brake assemblies.
- APPLICABILITY:** Aircraft converted per STC approved kits to use Cleveland External Disc Design wheel & brake assemblies.
- REASON:** This PRM is issued to inform Wheel & Brake Conversion Kit users and installers that information regarding general maintenance and proper bolt / nut torquing procedures is available. This information is contained in [the Cleveland Wheels & Brakes Component Maintenance Manual \(CMM\)](#) and in the [Cleveland Technicians Service Guide, PRM64](#). Most Cleveland Conversion Kits were designed prior to creation of the CMM. Parker Hannifin is in process of upgrading kit paperwork to include a requirement to use the CMM and PRM64 as wheel & brake service information. This PRM serves the same purpose for kits whose paperwork has not yet been upgraded.
- DESCRIPTION:** The Cleveland Wheels & Brakes Component Maintenance Manual and PRM64, Technician's Service Guide shall be used as service information when performing general maintenance on Cleveland External Disc Design wheels & brakes. Particular attention should be paid to instructions regarding wheel bolt torquing procedures.
- NOTE:** Refer to the [CMM](#) or [PRM64](#) to determine the required torque procedure (Dry or Lubtork). While using the required torque procedure, observe the torque required to turn the nut (free running torque). This value must be added to the value stated on the casting or nameplate (or in the CMM or PRM64) to obtain a true torque value. Proper torque is imperative to prevent premature bolt or mating component failure.
- COMPLIANCE:** Highly Recommended.
- APPROVAL:** The engineering contents of this Product Reference Memo are FAA DER approved.
- WEIGHT & BALANCE:** Not applicable.
- PUBLICATIONS:** Cleveland Wheels & Brakes Component Maintenance Manual and PRM64 are available from:

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Parker Hannifin Corporation  
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