AIRCRAFT WHEEL & BRAKE DIVISION

PARKER HANNIFIN CORPORATION

AVON, OHIO

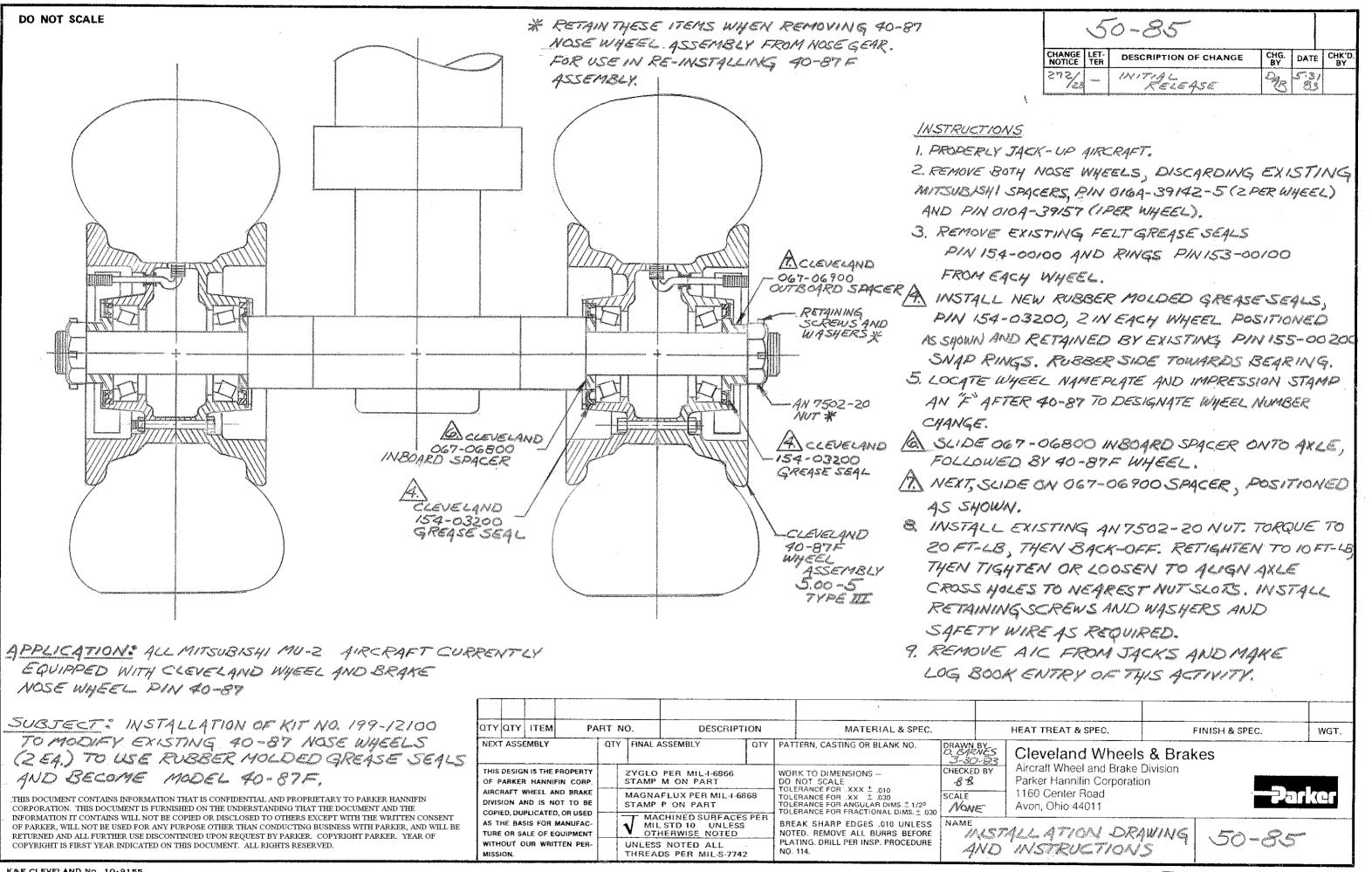
PARTS LIST

199-121 CONVERSION KIT

Kit to rework 40-87 nose wheel to 40-87F configuration. This kit applies to all Mitsubishi MU-2 aircraft currently equipped with 40-87 nose wheels.

PART NUMBER	DESCRIPTION_	QUANT ITY
154-03200	Rubber Moided Lip Seal	4
067-06800	Inboard Spacer	2
067-06900	Outboard Spacer	2
N/A	50-85:Unstallation Drawing	1
SA684GL	Supplemental Type Certificate (copy) for San Angelo Aircraft	1
SA685GL	Supplemental Type Certificate (copy) for Japanese Aircraft	1

This kit will convert one aircraft



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

AVAILABILITY OF GENERAL MAINTENANCE 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:

Customer Support

Parker Hannifin Corporation Aircraft Wheel & Brake

1160 Center Road Phone: 1-800- BRAKING (272-5464)

Avon, Ohio FAX: 216-937-5409





Parker Hannifin Corporation Aerospace/Aircraft Wheel & Brake 1160 Center Road Avon, OH 44011

Clevelandwbhelp@parker.com

Web-site: www.clevelandwheelandbrake.com Manufacturer of Cleveland Wheels & Brakes

Date://20
Subject: Letter of Authorization for Installation of STC'd Conversion Kits
To whom it may concern:
Parker Hannifin Corporation, Aircraft Wheel & Brake Division, hereby states that the following $item(s)$:
KIT NUMBER: 199
FAA APPROVAL: 1) STC #
NO OTHER APPROVALS NECESSARY
AUTHORIZATION TO INSTALL: With the sale of this STC KIT, OWNER of the Supplemental Type Certificate agrees to permit the buyer or buyer's agent or agency to use the certificate to alter the product under the terms and conditions of this STC.
A/C MAKE:
A/C MODEL
TAIL #
Regards,
Technical Support Team Technical Hotline (800) 272-5464

United States of America

Department of Transportation—federal Aviation Administration

Supplemental Type Certificate

Number SA684GI

This certificate issued to Parker Hannifin Corporation Aircraft Wheel & Brake Division 1160 Center Road Avon, Ohio 44011

cortifies that the change in the type design for the following product with the limitations and conditions

therefor as specified hereon meets the airworthiness requirements of Part

Regulations: (See TCDS AlOSW for the complete certification basis.)

Original Product - Type Certificate Number

ATOSW

Make Mitsubishi

Model MU-2B-25, -26, -26A, -35, -36, -36A, -40, -60

Description of Type Design Change

To convert a Cleveland nose wheel from Model 40-87 to Model 40-87F, install Parker Hannifin 199-121 Conversion Kit according to Cleveland Wheels and Brakes Installation Drawing No. 50-85, original issue dated March 30, 1982.

Limitations and Conditions

- The installer must determine the compatibility of this modification with other previously approved modifications.
- 2. This approval is limited to those airplanes which have Cleveland Model 40-87 nose wheels installed.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application April 5, 1983

Sale reissued

Date of issuance

May 27, 1983

Date umended

By direction of the Administrator

Ronald J. Wagnest. V. F. Horn (Signature)

Manager, Chicago Aircraft Certification Office, ACE-115C, Central Region

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21 47.

United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA685GL

This certificate, issued to

Parker Hannifin Corporation Aircraft Wheel & Brake Division 1160 Center Road Avon, Ohio 44011

xertifies that the change in the type design for the following product with the limitations and conditions

therefor as specified hereon meets the airworthiness requirements of Part 10 of the Civil Air

Regulations: (See TCDS A7PC for the complete certification basis.)

Original Product - Trype Certificate Number ATPC

Make Mitsubishi

Model MU-2B-20, -25, -26, -30, -35, -36

Description of Trype Design Change

To convert a Cleveland nose wheel from Model 40-87 to Model 40-87F, install Parker Hannifin 199-121 Conversion Kit according to Cleveland Wheels and Brakes Installation Drawing No. 50-85, original issue dated March 30, 1983.

- Limitations and Conditions
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Date of application April 5, 1983

Late reissued

Date of issuance May 27, 1983

Date umended

By direction of the Administrator

ywe W. F. Horn (Signature)

Manager, Chicago Aircraft Certification Office, ACE-115C, Central Region

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