# PARTS LIST

## 199-126 CONVERSION KIT

**HAWKER BEECHCRAFT AIRCRAFT**  
* MODELS AS NOTED

<table>
<thead>
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<th>PART NUMBER</th>
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<th>DESCRIPTION</th>
<th>QUANTITY</th>
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**NOTES:**

1. This kit will convert one aircraft to Cleveland Nose Wheel.

* Applicability as follows:

- **STC SA757GL**: Beech Models 200, 200C, 200CT, 200T, B200, B200T, B200CT, B200GT, B200CGT
- **STC SA1061GL**: Beech Models 99, A99, A99A, B99, C99, 100, A100, B100
- **STC SA1242GL**: Beech Model F90
- **STC SA380CH**: Beech Model 300, B300, B300C

**Publication Package (P/N PP199-126)**

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**Rev. NC** 04-30-1984 (C/N 273-98)

**Rev 199-126** 02-22-2016 (ECO-0062997)
CLEVELAND WHEELS & BRAKES
IM199-126
INSTALLATION MANUAL
FOR
NOSE WHEEL CONVERSION KIT
199-126
FOR
BEECH MODELS
65, 90, 99, 100, 200, AND 300

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CLEVELAND WHEELS & BRAKES

INSTALLATION MANUAL

WITH

ILLUSTRATED PARTS LIST

FOR

NOSE WHEEL ASSEMBLY

CONVERSION KIT

199-126

FOR

BEECH MODELS:

65, 90, 99, 100, 200 AND 300

Aircraft Wheel & Brake

Parker Hannifin Corporation

1160 Center Road U.S.A.

Avon, Ohio 44011

June, 1994
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<td>(Contact Sherwin-Williams at (216-) 271-6766 for detailed paint information).</td>
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1. **INTRODUCTION.**

1.1 This manual is published for the guidance of personnel responsible for the installation of Cleveland Nose Wheel Conversion Kit 199-126.

1.2 Each kit contains all materials and instructions needed to replace existing equipment over to a Cleveland wheel. Kit 199-126 applies to complete retrofit of the aircraft to Cleveland nose wheel.

2. **TSO NOTICE.**

2.1 The wheel assembly used in this conversion kit carries a "TSO" marking which identifies it having been fully laboratory tested and qualified to meet the applicable Federal Aviation Agency (FAA) specifications and requirements.

2.2 After final certification, substitution of critical parts or changes of processes or materials are not permitted without requalification of the assemblies and resubmittal of the test data to the FAA for approval.

2.3 FAA regulations subject both Parker Hannifin, Aircraft Wheel and Brake Division and the user to constant surveillance to assure that uncompromising Quality Assurance material and processing controls are maintained in order to provide replacement parts that are the same as the parts originally certified in the assembly.

3. **APPLICABILITY.**

3.1 "KIT 199-126":

<table>
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<tr>
<th>MAKE</th>
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<tr>
<td>Beech</td>
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4. **ORDER INFORMATION.**

4.1 To order spare parts, contact the nearest Parker Hannifin, Aircraft Wheel & Brake distributor in your area.

5. **DESCRIPTION.**

5.1 The wheel is forged aluminum and conforms to all Tire and Rim Association Standards for a 22 x 6.75-10 and a 6.50-10 divided type wheel. The wheel is a tubeless/tube-type and incorporates an O-ring seal. Rubber lip seals on both wheel halves protect the bearings. It is composed of the following parts listed on page 9.
6. INSTALLATION.

6.1 Jack aircraft in accordance with Beech Service Manual and remove the old wheel and retain the original axle nut, washer and spacer.

6.2 The wheel assembly Item #1 is shipped from the factory completely assembled. The bearings are packed with Mobil Aviation Grease SHC-100 and may be installed as received.

- NOTE -
EXTENDED STORAGE OF LUBRICATED BEARINGS MAY REQUIRE RELUBRICATION.

6.3 Remove snap rings Item #14, grease seals Item #5 and bearing cones Item #8 from the wheel assembly Item #1 and place on a clean surface to avoid contamination.

6.4 Remove nuts Item #12, washers Item #11, washers Item #10 and tie bolts Item #9 to separate wheel halves.

6.5 Position inner wheel half Item #3 on a flat surface with register side up.

6.6 Place O-ring Item #17 on register portion of wheel half.

-CAUTION-
SEAL SHOULD NOT BE TWISTED, BUT FULLY ALIGNED IN GROOVE.

6.7 Place serviceable tire over inner wheel half item #3 and then place outer wheel half Item #7 in tire, making sure to properly align inner and outer registers. Slide tie bolts Item #9 and washers Item #10 thru wheel assembly.

-CAUTION-
COUNTER-SUNK SIDE OF WASHER ITEM #10 SHOULD BE TOWARD THE BOLT HEAD.

6.8 Install washers Item #11, and nuts Item #12 on tie bolts Item #9 and torque to 300 in-lbs. When all nuts have been torqued, retorque a second time to make sure that the required value has been achieved. Sometimes O-Ring compression will give false initial readings.

6.9 Inflate tire to proper pressure in a safety cage.

6.10 Reinstall bearing cone Item #8 into inner wheel half Item #3 and install inner grease seal Item #5 using a snap ring Item #14.

6.11 Check for burrs or rough threads on axle nut.

6.12 Mount wheel and tire assembly on axle.
6.13 Apply a thin coat of bearing grease Mobil Aviation Grease SHC-100 on axle nut threads. Install outer bearing cone Item #8 and grease seal Item #5 and snap ring Item #14, and apply a layer of bearing grease on threads of the axle. Install original spacer, washer and axle nut.

6.14 Tighten axle nut to 150 to 200 in-lbs of torque while rotating the wheel. Back off the axle nut to zero torque then retorque to 40 in-lbs while rotating the tire. If holes do not align with axle nut, continue tightening to first locking hole and secure by prescribed methods.

-NOTE-
AXLE NUT TORQUE TO BE 40 IN-LB MINIMUM OF TORQUE.

7. **WEIGHT AND BALANCE COMPUTATIONS:**

Weight: 11.2 lbs.

Complete Form 337 and make appropriate log book entries.

8.0 **FLIGHT MANUAL INSERTS:** (located in front cover pocket)

8.1 Attach label "Item installed in airplane" in flight manual as close to the original item nose wheel assembly. Enter the correct arm and moment in block provided. Zero items out for the original nose wheel assembly which was removed.

9.0 **WARRANTY REGISTRATIONS.**

9.1 Completely fill out enclosed warranty card and return promptly. Postage is prepaid.
10. **MAINTENANCE**

10.1 Inspect wheel half flanges for cracks and corrosion.

10.2 Check for loose bolts and nuts and retighten or replace if necessary.

**-NOTE-**

No repair or replacement is recommended while equipment is on aircraft.

11. **OVERHAUL**

11.1 **Dismounting**

11.1.1 Deflate tire. Remove valve stem to assure complete deflation. Remove axle nut, tang washer, spacer and bearing cone Item #8. Remove wheel and tire assembly from axle as a unit. Remove snap rings Item #14, grease seals Item #5 and bearing cones Item #8 from both wheel halves Item #3, and Item #7.

11.1.2 Break tire beads away from wheel flange with a bead breaker or pneumatic tire dismounter.

**-CAUTION-**

DO NOT USE TIRE IRONS. THEY MAY DAMAGE THE WHEEL FLANGES OR TIRE BEADS AND PREVENT PROPER AIR RETENTION.

**-NOTE-**

A soap solution around the bead seat will usually help in breaking the bead.

11.1.3 Remove eight (8) nuts Item #12, washers Item #11, washers Item #10, and bolts Item #9 from the wheel assembly.

11.1.4 Separate the wheel halves and remove the tire.

**-NOTE-**

Bearing cups Item #4 are shrunk fit into the wheel halves and should not be removed unless replacement is necessary. If a bearing cup Item #4 is to be replaced, heat the wheel half to 149 degrees C (300 degrees F) maximum for 20 minutes before trying to remove the cup. Support the wheel hub while removing the bearing cup as shown in Figure #1.
11.2 **Cleaning**

11.2.1 Clean all metal parts in a suitable solvent and dry with a lint free cloth.

11.2.2 Wipe bearing grease seal clean with dry cloth. Do not use cleaning solvents on rubber components used in this wheel assembly.

11.2.3 Wash bearing cones in uncontaminated cleaning solution, rotate the bearing cones by hand while submerged in the solution. Repack bearings with grease immediately after inspection to prevent corrosion and place in a clean, closed container.

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**CAUTION**

DO NOT SPIN DRY BEARINGS OR HANDLE BEARINGS WITH BARE HANDS.

11.2.4 Parts requiring fluorescent inspection are to be completely stripped using acetone or equivalent. Air dry parts after stripping is completed.
11.3 **Inspection**

- **NOTE**-

Inspect bolts Item #9 and wheel halves Item #3 and Item #7 after the fifth tire change, and then after the third subsequent tire change, for a total of twenty tire changes, and then at each and every tire change thereafter.

11.3.1 Magnaflux bolts Item #9 for cracks and breaks.

11.3.2 With dye penetrant inspect wheel halves Item #3 and Item #7 for cracks and breaks. Note in particular the bead seat, tubewell, and webbed junction areas.

11.3.3 Visually inspect all metal parts for pitting, corrosion, cracks, breaks, uneven wear, and other surface defects.

11.4 **Repair and Replacement**

11.4.1 Repair scratches, nicks, corrosion, and other surface blemishes on wheel halves Item #3 and Item #7 by sanding with emery cloth, removing as little material as possible. Polish repaired surfaces with 400 grit emery cloth. Swab exposed aluminum areas with Iridite 14 or Alodine 1200 per MIL-C-5541.

11.4.2 Paint repaired areas with one coat of Sherwin-Williams specification E61 G 510 primer followed by one coat of Sherwin-Williams specification F63 W 66, topcoat. (Contact Sherwin-Williams at (216) 271-6766 for detailed paint information).

- **CAUTION**-

NEVER PAINT WORKING SURFACES OF BEARING CUPS.

- **NOTE**-

Use only one coat of primer and no finish coat on O-ring grooves and mating surfaces of wheel halves.

11.4.3 Replace all parts worn or damaged beyond limits of repair.

11.4.4 Replace O-rings Item #17 at each overhaul.

11.4.5 Clean reworked areas with solvent and/or emery cloth.

11.4.6 Surface treat bare aluminum with Alodine 1200 or Iridite 14.

11.4.7 Paint reworked areas with a minimum of two coats of zinc-chromate primer (MIL-P-8585).

11.4.8 To replace bearing cups, proceed as follows:

11.4.8.1 Heat wheel halves to 149°C (300°F.) maximum and cool cups to -18°C (0°F).
11.4.8.2  Support wheel hub and paint the ID of the hub with zinc chromate primer. Then press cup into wheel half as in Figure 2.

Cup Installation Plate
(Use with arbor press to seat cup)

Wheel Half

Bearine

Cup

Hub Support

Figure 2, Supporting Wheel Hub

**NOTE**

The wet zinc chromate primer lubricates the parts to be pressed together and acts as protection against galvanic corrosion between the parts.

11.5  **Lubrication**

11.5.1  Pack Mobil Aviation Grease SHC-100 into bearing cones and smear grease on ends of rollers. Do not over lubricate. Spread a thin coat of grease on the surface of the bearing cups.

11.5.2  Lubricate threads of bolts and nuts and face of washers with thread compound.

11.5.3  Apply a thin layer of bearing grease to grease seal Item #5 before installing in wheel.
11.6 Reassembly

11.6.1 Prior to wheel assembling, coat O-Ring Item #17 liberally with Dow Corning Molykote 55M, or equivalent.

11.6.2 Position inner wheel half Item #3 on a flat surface with register side up.

11.6.3 Place O-Ring Item #17 on register portion of inner wheel half.

-CAUTION-

Seal should not be twisted, but fully aligned in groove.

11.6.4 Place a serviceable tire over inner wheel half Item #3 and then place outer wheel half Item #7 in tire, making sure to properly align inner and outer wheel registers. Slide tie bolts Item #9 and washers Item #10 through wheel assembly.

-CAUTION-

Counter-sunk side of washer Item #10 should be toward the bolt head.

11.6.5 Install washers Item #11 and nuts Item #12 on tie bolts Item #9 and torque to 300 in-lbs. When all nuts have been torqued, retorque a second time to insure that the required value has been achieved. Sometimes O-Ring compression will give a false initial reading.

11.6.6 Inflate tire to proper pressure in a safety cage.

11.6.7 Reinstall bearing cones Item #8 into cups Item #4 and install inner grease seals Item #5 using snap rings Item #14.

12. TESTING

12.1 Wheel Testing

12.1.1 The wheel shall be required to hold the normal inflation pressure for 24 hours, with not more than four percent loss in pressure after tire growth has stabilized.
13. **PARTS LIST**

13.1 Wheel Parts List

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**PARKER HANNIFIN CORPORATION**

**AIRCRAFT WHEEL AND BRAKE DIVISION**

**AVON, OHIO**

**PARTS LIST**

**40-204 WHEEL ASSEMBLY 6.50-10 TYPE III**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>1</td>
<td>40-204</td>
<td>Wheel Assembly</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>161-12500</td>
<td>Inner Wheel Half Assembly</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>151-12000</td>
<td>Inner Wheel Half</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>214-00100</td>
<td>Cup - Bearing</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>154-03600</td>
<td>Grease Seal</td>
<td>2</td>
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<tr>
<td>6</td>
<td>162-11500</td>
<td>Outer Wheel Half Assembly</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>152-11900</td>
<td>Outer Wheel Half</td>
<td>1</td>
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<td>8</td>
<td>214-00100</td>
<td>Cup - Bearing, 13836</td>
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<td>9</td>
<td>103-31200</td>
<td>Bolt, MS21250H06034</td>
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<td>095-03100</td>
<td>Washer, MS20002C6</td>
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<td>095-10600</td>
<td>Washer, AN960-616</td>
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<td>12</td>
<td>094-91500</td>
<td>Nut, AN365-624</td>
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<td>14</td>
<td>155-00100</td>
<td>Snap Ring</td>
<td>2</td>
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<td>15</td>
<td>166-09400</td>
<td>Nameplate</td>
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<td>16</td>
<td>160-01200</td>
<td>Inflation Valve Assembly, TR716-03</td>
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<td>17</td>
<td>101-25800</td>
<td>O-Ring (N304-75), MS28775-267</td>
<td>1</td>
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</tbody>
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---

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Jan. 1984, Rev. A 4-30-84
Rev. B 3-18-85
Rev. C 6-17-94

Use or disclosure of data contained on this sheet is subject to the restrictions contained on the first page of this document or presentation.
## Kit Parts List

PARKER HANNIFIN CORPORATION  
AIRCRAFT WHEEL & BRAKE DIVISION  
AVON, OHIO  

### PARTS LIST

**199-126 CONVERSION KIT**  
**BEECH SUPER KING AIR**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>OLD P/N</th>
<th>CODE NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
</tr>
</thead>
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<td>040-20400</td>
<td>Nose Wheel Assembly*</td>
<td>1</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Installation Booklet</td>
<td>1</td>
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<td></td>
<td>50-91</td>
<td></td>
<td>Drawing</td>
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<td>Warranty Registration Card</td>
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<tr>
<td></td>
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<td>STC</td>
<td>1</td>
</tr>
</tbody>
</table>

This kit will convert one aircraft to Cleveland Nose Wheel

* For Subassembly and Parts Identification: See 40-204 Parts List
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
Avon, Ohio
Phone: 1-800-BRAKING (272-5464)
FAX: 216-937-5409

Initial Release February 01, 1997
CERTIFICADO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

Número
(2013S02-15)

Este certificado, emitido com base na Lei no 7565 “Código Brasileiro de Aeronáutica”, de 19 de dezembro de 1986,
(is this certificate, issued in the basis of the Law No. 7565 “Código Brasileiro de Aeronáutica”, dated 19 December 1986,
é conferido ao (á): Parker Hannifin Corporation
(is granted to: Parker Hannifin Corporation)

Aircraft Wheel & Brake Division
1160 Center Road
Avon, Ohio 44011
USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições
(for having the change to the type design of the product mentioned below, with the limitations and conditions therefore)
especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis.
(specific hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: A24CE (FAA)
(Original Product - Type Certificate No:)

Fabricante: Hawker Beechcraft Corporation.

Modelo(s): 200, 200T, B200, B200T, B200GT and B200CGT.

Descrição da modificação ao projeto de tipo:
(Description of Type Design Change:)


This CST validates in Brazil the STC # SA757GL, issued by FAA (USA).

Limitações e condições:
(Limitations and Conditions:)

See continuation sheet for applicable data.

Datas:
(Dates of:)

Do requerimento: 06 Dec. 2012 
(Application:)

Da emissão: 26 Feb. 2013
(Issuance:)

Da reemissão: 
(Reissuance:)

Da emenda:
(Amendment:)

HÉLIO TARQUINIO JÚNIOR
Gerente-Geral, Certificação de Produto Aeronáutico
(General Manager, Aeronautical Product Certification)

DINO ISHIKURA
Superintendente de Aeronavegabilidade
(Airworthiness Superintendent)

F-400-01G (04.12) 
Fl. 01, de 02 
(Divulgação) 
H.02.1268-0
CERTIFICADO SUPLEMENTAR DE TIPO
(Supplemental Type Certificate)

NÚMERO 2013502-15
(Number)

LIMITAÇÕES E CONDIÇÕES:
(Limitations and Conditions):

I. The approval of this type design change should not be extended to other aircraft of this model on
which other previously approved modifications are incorporated unless it is determined by the
installer that the relationship between this change and any of those other previously approved
modifications, including changes in Type Design, will introduce no adverse effect upon the
airworthiness of that aircraft.

II. If the holder agrees to permit another person to use this certificate to alter the product, the holder
shall give the other person written evidence of that permission.

III. These modifications are approved for individual or joint installation on specified models equipped
with landing gear that support 10 inches high floatation equipment.

IV. A copy of this Certificate shall be maintained as part of the permanent records of the modified
aircraft.

END
SUPPLEMENTAL TYPE CERTIFICATE
10048423

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2006 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

PARKER HANNIFIN CORPORATION
AIRCRAFT WHEEL & BRAKE DIVISION
1160 CENTER ROAD
AVON OH 44011
USA

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Type Certificate Number: 1. FAA A24CE
Original Type Certificate Number: 2. EASA.IM.A.277
Type Certificate Holder: BEECHCRAFT CORPORATION
Type Design - Model: 1. 200, 200C, 200CT, 200T
Type Design - Model: 2. B200, B200C, B200CT,
Type Design - Model: 2. B200T, B200GT, B200CGT.
Original STC Number: FAA SA757GL

Description of Design Change:
Replacement of Main Wheels & Brakes and/or Nose Wheel.

EASA Certification Basis:
The Certification Basis (CB) for the original product remains applicable to this certificate/approval. The requirements for environmental protection and the associated certified noise and/or emissions levels of the original product are unchanged and remain applicable to this certificate/approval.

See Continuation Sheet(s)

For the European Aviation Safety Agency,
Date of issue: 10 March 2014

Note:
The following numbers are listed on the certificate:
EASA current Project Number: 0010027435-001

SUPPLEMENTAL TYPE CERTIFICATE - 10048423 - PARKER HANNIFIN CORPORATION AIRCRAFT WHEEL & BRAKE DIVISION
TE.STC.00091-303 - Copyright European Aviation Safety Agency. All rights reserved.
Associated Technical Documentation:


or later revisions of the above listed documents approved by EASA in accordance with EASA ED Decision 2004/04/CF (or subsequent revisions of this decision) and/or the Technical Implementation Procedures of EU/ USA Bilateral Agreement.

Limitations/Conditions:
These modifications are approved for individual or joint installation on specified models that are equipped with landing gear that support 10 inch High Floatation equipment.

Prior to installation of this design change it must be determined that the interrelationship between this design change and any other previously installed design change and/or repair will introduce no adverse effect upon the airworthiness of the product.

- end -
Mitteilung über die Ergänzung der Musterzulassung Nr. 0616/2021

STC-Inhaber: Aircraft Wheel and Brake Division
             Parker Hannifin Corporation

Änderung: Einrüstung Parker Hannifin Nose Wheel Conversion Kit
          199-126

                 u. E90

Geräte-Kennblatt Nr.: 2021

Die Musterzulassung des/der o. a. Musters/Baureihe wird durch folgende Angaben ergänzt:

Die Verwendung des Parker Hannifin Nose Wheel Conversion Kit 199-126 in Beech
Supplemental Type Certificate SA1077GL ist zugelassen.

So umgerüstete Flugzeuge sind zu betreiben nach den Installation Instructions
und Installation Drawing 50-91, FAA-anerkannt am 18.03.1985 oder jede spätere
FAA-anerkannte Fassung.

Unterlagen sind zu beziehen bei:

1) Atlas Air Service GmbH
   Postfach 15 64
   27766 Ganderkesee

oder

2) Parker Hannifin Corporation
   Aircraft Wheel & Brake
   1160 Center Road
   P.O. Box 158
   Avon, Ohio 44011
   USA

Diese Mitteilung gilt in Verbindung mit dem Flugzeug-Kennblatt Nr. 2021, der
jeweils gültigen Ausgabe.
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
Clevelandwbhelp@parker.com
Web-site: www.clevelandwheelandbrake.com
Manufacturer of Cleveland Wheels & Brakes
United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number SA1061GL

This certificate, issued to Aircraft Wheel & Brake Division Parker Hannifin Corporation 1160 Center Road Avon, OH 44011 certifies that the change in the type design for the following product with the limitations and conditions...therefore as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations. (See Type Certificate A14CE for Complete Certification Basis).

Original Product—Type Certificate Number A14CE Make Beech Model 99, A99, A99A, B99, C99, 100, A100, B100

Description of Type Design Change
Replace existing Nose Wheel with Cleveland Nose Wheel P/N 40-204 by installing Parker Hannifin Conversion Kit 199-126, Revision B per Installation Instructions, and Installation Drawing 50-91, Revision C, dated March 18, 1985, or later FAA-approved revision.

Limitations and Conditions
The compatibility of these modifications with other previously approved modifications must be determined by the installer.

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: January 23, 1984
Date of issuance: September 11, 1986

By direction of the Administrator
W. F. Horn (Signature)
Manager, Chicago Aircraft Certification Office ACE-115C, Central Region, FAA

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

FAA Form 8110-2 (10-68)
Supplemental Type Certificate

Number SA1077GL

This certificate issued to Parker Hannifin Corporation
Aircraft Wheels and Brakes Division
1160 Center Road
Avon, OH 44011

certifies 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 3 of the Civil Air Regulations.

Original Product - Type Certificate Number: 3A20
Make: Hawker Beechcraft
Model: 65 (L-23F), A65, 65-80, 65-A80, 65-B80, 65-88, 65-90, 65-A90, 70, B90, C90, C90A, C90GT, E90, H90 (T-44A), C90GTi

Description of Type Design Change: Replace existing nose wheel with Cleveland Nose Wheel P/N 40-204 by installing Parker Hannifin Conversion Kit 199-126, Revision K, dated December 4, 2009, or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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: January 23, 1984
Date of issuance: October 23, 1986

Date reissued: March 20, 2008
Date amended: March 12, 2008, February 4, 2009

July 29, 2010

By direction of the Administrator

Steven L. Lardinois
Manager, Systems & Flight Test Branch
Chicago Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 1 years, or both.
United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number SA1242GL

This certificate, issued to Aircraft Wheel and Brake Division Parker Hannifin Corporation 1160 Center Road Avon, OH 44011 certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations. (See Type Certificate Data Sheet A31CE for complete certification basis).

Original Product — Type Certificate Number A31CE
Make Beech
Model F90

Description of Type Design Change:
Replace existing nose wheel with Cleveland Nose Wheel P/N 40-204 by installing Parker Hannifin Conversion Kit 199-126, Revision B per Installation Instructions and Installation Drawing 50-91, Revision C, dated March 18, 1985, or later FAA-approved revision.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

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 January 23, 1984
Date of issuance September 30, 1987

By direction of the Administrator

W. F. Horn (Signature)
Manager, Chicago Aircraft Certification Office, ACE-115C, Central Region, FAA

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
Supplemental Type Certificate

Number SA380CH

This certificate, issued to Aircraft Wheel and Brake Division Parker Hannifin Corp. 1160 Center Road Avon, OH 44011 certifies that the change in the type design for the following product with the limitations and conditions therefore specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations: (See Type Certificate Data Sheet A24CE for complete certification basis.)

Original Product — Type Certificate Number A24CE
Make Beech
Model 300

Description of Type Design Change

Installation of Cleveland Nose Wheel P/N 40-204 in accordance with Parker Hannifin Conversion Kit Parts List 199-125, Rev. D, dated May 3, 1995, or later FAA approved revision.

Limitations and Conditions

Compatibility of this design change with previously approved modifications must be determined by the installer.

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 July 25, 1994
Date issued July 10, 1995
Date amended

By direction of the Administrator

Mary Ellen A. Schutt (Signature)
Acting Manager, Airframe & Administrative Branch
Chicago Aircraft Certification Office

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 SA757GL

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

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.
See Type Certificate Data Sheet No. A24CE for complete certification basis.

Original Product - Type Certificate Number: A24CE
Make: Hawker Beechcraft Corporation
Model: 200, 200C, 200CT, 200T, B200, B200C, B200CT, B200T, B200GT, B200CGT

Description of Type Design Change:

Limitations and Conditions:
1) These modifications are approved for individual or joint installation on specified models equipped with landing gear that support 10 inch high floatation equipment.
2) The installer must determine whether this design change is compatible with previously approved modifications.
3) If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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: January 19, 1984
Date issued: May 1, 1984

Date reissued: February 25, 2011
Date amended: January 27, 2011

By direction of the Administrator

(Signature)

Steven L. Lardinois
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

This certificate may be transferred in accordance with FAR 21.47.