Repair Options

Approved re-manufacturing levels can be described as follows:

Level 1: Cleaning, minor buffing, din

visual inspection of bearings components

Level 2:

replacement of rolling elements, bore plating as required, and replating or

Level 2 plus – regrindin

compone

evel 4: Level 3 plus – replacement of one bea

race. Can also include updating to the latest configuration with new part

number assigne

Barden and FAG repair facilities offer:

Turnaround Time: 18 days or less

Cost: The cost of refurbishment car

nificantly less than the price of new

DEM replacement parts

Reliability: Barden and FAG are market leaders,

backing and decades of manufacturing

experience

Inventory

Management:

component quality is of primary

importance Barden and FAG can offer tailored inventory management

solution







Barden Corporation (UK) Ltd – Europe

Small engines and anciliary equipment



The Barden Corporation (UK) Ltd Plymbridge Road, Estover, Plymouth

Devon PL6 7LH United Kingdom

Tel: +44 1752 735555

Fax: +44 1752 733481

EASA Repair Station UK 145.01205

Barden Corporation (US) – USA & Americas

Small engines and anciliary equipment



Barden Corporation Bearing Refurbishment PO Box 2449 Danbury Connecticut 06813

Tel: +203 744-2211 Fax: +203 744-3756

FAA Repair Station No, BCYR313X EASA Repair Station EASA 145.6223

FAG Aerospace GmbH & Co KG – Europe



FAG Aerospace GmbH & Co KG Bearing Refurbishment Geog-Schaeffler-Str.30 97421 Schweinfurt

Tel: +49 9721 91 3888 Fax: +49 9721 91 3645

FAA Repair Station No. F2GY854J EASA Repair Station No. DE.145.0127 CAAC Repair Station No. F04900413

FAG Aerospace Inc. – USA & Americas Main engines



PAG Aerospace Inc.
Bearing Refurbishment
151 Wright Blvd
PO Box 640
Stratford. Ontario, N4Z 1H3
Canada
Tel: +519-271=3231 x280

Fax: +519-273-8514

Air Transport Canada Repair Station AMO #41-99 EASA Repair Station #EASA 145.7221



Aerospace Repair Services

Barden and FAG, two partners for first class reliability

Every care has been taken to ensure the information in this publication is correct but no liability can be accepted for any errors or omissions. We reserve the right to make technical changes.

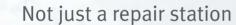
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SCHAEFFLER GROUP









Two brands, one vision! Since the early days of aviation, when Barden/FAG provided bearings for the Charles Lindbergh Wright J5 Whirlwind engine, our leadership in this market sector has remained constant.

Since then, with material advancements, design innovations and increased engine demands, aviation has changed considerably. However, through years of concentrated research and development, Barden and FAG have remained as prime suppliers to every major engine manufacturer in the aviation industry.

As part of the multinational Schaeffler Group, which specialises in bearing technology and precision products for the aerospace, automotive and industrial plant industries, Barden and FAG produce bearings that support the engines, both large and small, that power today's lightest and largest commercial aircraft.

Barden/FAG understand that modern aerospace applications demand rolling element bearings that combine the highest quality and reliability. This is why, through expert diagnosis and repair, we can restore bearings to an as-new condition in less time, for less cost and to the high standards expected from aerospace experts.



▲ Bearings before refurbishment
▼ Bearings after refurbishment



Barden – The Aerospace Experts

For more than six decades the Barden name has been synonymous with quality, precision and excellence in the aerospace and super precision industries. Aerospace applications form a large part of our core business and include products for a wide variety of aircraft accessories and critical components.

The Barden Corporation operates two self-contained Diagnosis and Repair (D&R) facilities in the USA and the UK. These service commercial and military aircraft maintenance programmes and other industries, such as nuclear and rail applications, where strict regulatory approvals are required.

Barden understands that it is vital that an aircraft spends time in the air and not in the hangar. With a typical D&R turnaround time of up to just three weeks, and at costs often much less than for new bearings, the impact of lengthy downtime can be significantly reduced by the Barden service.

Barden D&R offers re-manufacturing up to level 4 in both the USA and UK. Full traceability for all refurbished bearings can be provided where required. Both facilities are Civil Aviation Authority (EASA – Europe) and FAA (USA) approved and, with the correct OEM approvals, Barden can refurbish bearings from any manufacturer.

With a customer base that includes Honeywell, Sikorsky and AgustaWestland, Barden specializes in refurbishment of bearings for small main engine shaft positions, auxiliary power units, gearboxes and shafts and oil pumps.



FAG – Your partner to save costs without compromising system reliability

What started with a vision in 1883 and the creation of the first machine capable of producing a perfectly round ball bearing, has grown to become a world leader in bearing manufacture. FAG's decades of experience, highly motivated employees and advanced technologies, provide a solid base for its services to the aerospace industry.

As a main supplier for all the major engine programmes, including the CFM56, PW4000, V2500 and CF34, FAG Aerospace has proven its first class reliability to major customer including Pratt and Whitney, SNECMA and GE. Based on this experience with OEMs, FAG Aerospace has gained approval for 3rd party repair of mainshaft engine bearings used in civil and military aircraft.

Certified and audited by FAA, EASA, CAAC and TCCA, the exacting standards of FAG makes the company the first choice of high profile engine repair shops throughout the world.

FAG's partnership with Barden provides customers with a single point of contact for bearing repair and provides all the advantages of a full service repair network. Our extensive, OEM-approved, repair programme, short turn round times and modern repair procedures, can help cut maintenance costs without compromising system reliability.

- All bearings manufactured and repaired by FAG can be traced back to manufacture
- All tools, procedures and auxiliary materials used in the repair
 process are the same as used in original manufacture
- All quality procedures and other regulations are communicated with the OEM and comply with aviation authority requirements worldwide.



