

# Aerospace Repair Services

Technical Data



## CFM56 Repair Program

### Features

We are committed to joint development partnerships with technology leaders in the aviation and aerospace industry. Our customers are world renowned manufacturers of airplanes, aircraft engines, helicopters, space launchers and satellites. International airlines and engine maintenance shops apply our competence in bearing diagnosis and repair.

The engine CFM56 has been manufactured since 1982 by CFM International (CFMI). The Schaeffler Group supplies, amongst other things, the engine bearing for bearing position #4 in CFM56, *Figure 1*.



*Figure 1:* Engine bearing position #4 in CFM56.

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## Engine variants and applications

The engine CFM56 is available in the following variants:

- CFM56-2 (since 1982)
- CFM56-3 (since 1984)
- CFM56-5A (since 1988)
- CFM56-5B (since mid 1990)
- CFM56-5C (since 1993)
- CFM56-7B (since 1994)

It is fitted in several types of aircraft, see table.

### Applications

CFM56-2 series (F108)	CFM56-3 series	CFM56-5 series	CFM56-7 series
KC135R re-engine	B737-300	A318	B737-600
RC135 re-engine	B737-400	A319	B737-700 (C-40 A/B/C)
DC8 super 70 series	B737-500	A319CJ	B737-700ER
E-3 Sentry	–	A320	B737-800
E-6 Mercury	–	A321	B737-800ERX (P-8)
–	–	A340-200	B737-900
–	–	A340-300	B737-900ER
–	–	–	BBJ1/2

## Certifications

FAG is a maintenance company with certification from the following civil aviation authorities:

- EASA, Repair Station No. DE.145.0127
- FAA, Repair Station No. F2GY854J
- CAAC, Repair Station No. Fo4900413
- TCCA, Repair Station No. 809-23.

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

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## Engine bearings

In the engine CFM56 there are several approved bearing types for each location, see table.

### Overview – Bearing locations and bearing types

Bearing location, bearing type	Part number
#1B	305-364-103-3
	337-108-201-0
	340-257-001-0
	305-364-002-0
#2R	340-257-101-0
	337-108-351-0
	337-205-401-0
	337-205-501-0
	337-205-601-0
	340-257-101-0
#3B	1460M51P05
	1460M52P03
	1460M52P05
	1665M98P02
#3R	1364M91P05
	1361M71P02
	1361M71P05
	1364M91P02
	9542M61P03
#4R	335-352-301-0
	335-352-302-0
	335-352-303-0
	335-352-304-0
	335-352-305-0
#5R	340-253-001-0
	340-253-002-0
	340-252-801-0
	340-252-802-0
	340-257-201-0
	340-252-901-0
	340-252-901-0
	340-252-901-0

### References for engines and Service Bulletins

Engine	Service Bulletin #4
-2	72-0914
-2A	72-0517
-2B	72-0659
-2C	72-0914
-3	72-0988
-3B	72-0988
-3C	72-0988
-5A	72-0659
-5B	72-0452
-5C	72-0490
-7B	72-0400

The standard turn around time is 18 calendar days between receipt and despatch at FAG.

For further information and contacts:  
[www.fag.com/bearingrepair](http://www.fag.com/bearingrepair) [www.bardenbearings.com](http://www.bardenbearings.com)

