



PW2000 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 Pratt & Whitney PW2000, also known by the military designation F117, is a series of high-bypass turbofan aero engines with a thrust range from 37,000 to 43,000 lbf (165 to 190 kN) designed for the Boeing 757.



Figure 1: Main shaft ball bearing, engine PW2000.



Figure 2: Main shaft roller bearing, engine PW2000.

Engine variants and applications

The engine PW2000 is available in the following variants:

- PW2037
- PW2040
- PW2043
- F117

The variants are used in these aircraft types:

Applications

PW2037	PW2040	PW2043	F117
B757-200	B757-200	B757-300	C-17
B757-200PF	B757-200PF	–	–
B757-300	B757-300	–	–
IL-96M	C-32	–	–
IL-96T	–	–	–

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. F04900413
- 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.

©Schaeffler Technologies AG & Co. KG. March, 2015

Main shaft bearings

In engine PW2000 there are several approved bearing types for each location, see table.

Overview – Bearing locations and bearing types

Bearing locations, bearing types	Part number
#1B	1B2010
	1B5086
	1B5130
	1B2748
	1B5085
	1B5129
#2R	1B7111
	1A2445
#3B	1B6019
	1B6016
#4R	1A9845
	1A9843
	1A9844
#5R	1A2457
	1A2458

B = Ball bearings R = Roller bearings

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

