

In The Name of God

**MI-171 Helicopters
Gas Turbine Aero Engine
(TB3-117VM)**

By: Davood Farashband

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تمام حقوق مادی و معنوی این اثر به انتشارات قلم همت تعلق دارد

Introduction

The TV3-117 is a Russian gas turbine aero engine .It is used in most medium lift, utility, and attack helicopters designed by the Mil and Klimov Design Bureaus. The TV3-117 turbo shaft engine was developed in 1974. Later the Klimov TV3-117 was installed on 95% of all helicopters designed by Mil and Kamov Engineering Center .The engine has been produced in many variants.

TV3- 117VM

"VM" stands for ("high altitude, modernized") for Mi-28 helicopter and later installed also on Mi-8MT/Mi-17 models. This engine features an automatic switch to emergency power. It was awarded type certificates by the IAC Aviation Registry, India, The Republic of China and People's Republic of China. Mass produced since 1986.

The engine is used to power in various purpose helicopters. The TV3-117VM turbo shaft engine is one of the world's best engines as regards its fuel efficiency and weight performances. High tech development and perfect mass- production process have ensured the engine's superior reliability and extensive service life.

As my interest's, I have recorded some useful information on this type of engine. Since 2002, I have been teaching it in different aspects and purposes for technicians, Engineers, Pilots and flight engineers.

I would like to appreciate all those colleagues, which by their useful help and recommendations have been great help to me to prepare this book.

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In the end, it is greatly appreciated if you would kindly provide me with your recommendation on technical errors found on this book. Please mail to hemat_ar1359@yahoo.com or call 09123388314.Customer feedback is essential to our effort at GalameHemmat Publisher.

Davood Farashband

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