

Falcon 50 TFE731-40 Retrofit

Honeywell



**FLY FASTER, HIGHER
AND MORE ECONOMICALLY**

**Transform your Falcon 50 for improved
performance and cost of operation**



Falcon 50 731-40 Retrofit

Transform your Falcon 50

Honeywell provides business jet operators with retrofit opportunities that keep your aircraft in top condition and meet the needs of your business. The performance and savings are well established—from our TFE731 JetStar and TFE731 Hawker programs, to our TFE731 Falcon 20B retrofit that delivers 21% more payload and 74% more range for millions less than comparable aircraft.

Now Falcon 50 operators have an opportunity to achieve these same impressive benefits with the TFE731-40 retrofit program. Exchanging your TFE731-3 engines for TFE731-40 models offers the significant advantage of proven, cutting-edge engine technology - the same outstanding technology that has been demonstrated on the Falcon 50EX.

- Rudder travel increased from 23° to 29°
- Current production BASC (Bleed Air System Computer) for improved air distribution

Fly faster, higher and more economically

What's important to your mission profile? Departures from short, hot, high-altitude airports? More rapid ascents to higher initial flight levels? Faster cruise speeds and reduced fuel burn? The TFE731-40 retrofit lets you have it all.

- 24% increase in cruise thrust
- 7% reduction in fuel consumption

- 41,000 feet in approximately 23 minutes (vs. 39 minutes to 39,000 feet with the TFE731-3)

In addition, the Digital Electronic Engine Control (with hydromechanical backup) contributes to more efficient and reliable operations.

- Precise fuel consumption management
- Automatic takeoff climb and cruise thrust settings
- Engine trend monitoring and limit protection
- Temperature-limit protection

	TFE731-3-1C	TFE731-40-1C
TAKEOFF THRUST	3,700 lbs.	3,700 lbs. (derated from 4,250 lbs.)
CLIMB PERFORMANCE	39,000 ft in 39 min.	41,000 ft in approx. 23 min.
FLAT RATING	ISA +10°C	ISA +17°C
MAX. CRUISE THRUST (40,000 ft., M.8, ISA)	817 lbs.	1,010 lbs.
TSFC TAKEOFF M.80	.499 .794	.457 .739



Reduce ownership costs from the ground up

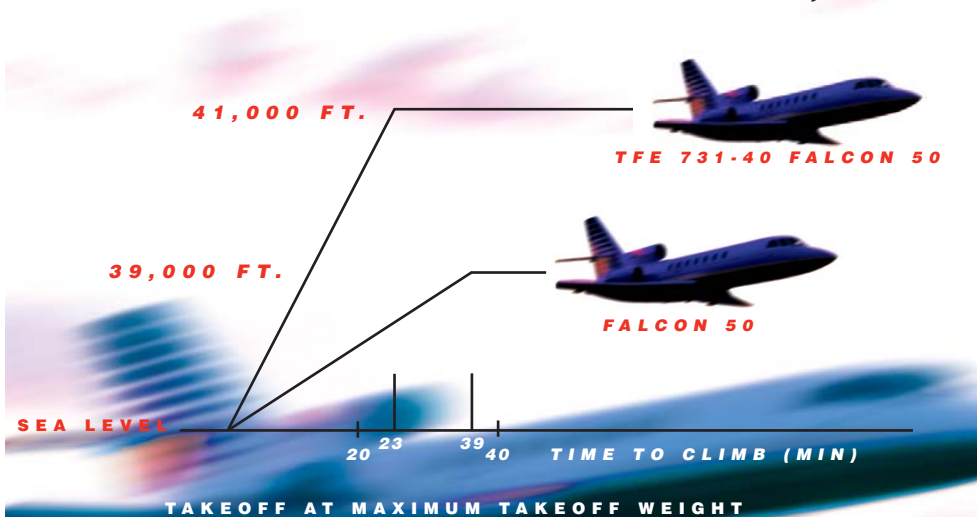
The economics of the Falcon 50 retrofit are as impressive in the hangar as they are in flight. Inspection intervals have been extended. Maintenance Service Plan (MSP) hourly rates have significantly dropped. And your new TFE731-40 engines are backed by a comprehensive warranty covering up to half a decade in service.

■ 2,500-hour major periodic inspections and 5,000-hour compressor zone inspections increase intervals by 16%

- Maintenance Service Plan first term contract 2006 worldwide rate of \$105.44 per engine hour saves more than 30% on hourly cost of operations
- Five-year, 2,000-hour non-prorated warranty covers workmanship and troubleshooting, plus engine removal and reinstallation labor

Falcon 50 owners already possess one of the world's most proven and versatile corporate aircraft. And that's a great place to start. You'll find your opportunity for even greater capabilities is only a phone call away.

INITIAL CRUISE ALTITUDE MACH .75, ISA



Find out more

For more information on the TFE731-40 retrofit program please call 602-365-4921 or visit us online at www.honeywell.com/aero.

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