

MAINTENANCE SERVICES PLAN FOR BUSINESS AVIATION



Honeywell

MSP ENGINES AND AUXILIARY POWER UNITS

MSP – ENGINES AND AUXILIARY POWER UNITS

Designed specifically for your Honeywell engines and APUs, MSP is an efficient and cost-effective program offering a practical alternative for managing future maintenance expenses. Aircraft owners / operators have learned to rely on Honeywell to protect them from the unexpected. Avoid unplanned maintenance costs, downtime and unnecessary stress. After all, when it comes to your aircraft, time is money.

Predictable maintenance costs:

- Simplifies and increases the accuracy of your maintenance annual budget
- Provides predictable long range financial planning
- Eliminates the cost impact of unscheduled repairs
- Complements insurance coverage for FOD events
- Limits annual rate adjustments (based on U.S. Government economic indices)
- Covers scheduled and unscheduled events
- Worldwide OEM Authorized Service Center Network
- Broker preferred program; maintenance to OEM standards and requirements

USAGE BASED CONTRACTS

We've made the MSP Engine program even better by including Usage Based Credits, which are available for our HTF Series and TFE731-20/-40/-50/-60 propulsion engines. This program monitors and analyzes the engine data to determine the best operating conditions that support the engine health and rewards you for it. As a result, you are eligible for a MSP credit of up to 10% of the hourly rate for operating your aircraft under optimal conditions. The

In addition, MSP Engine and APU provides expanded financial certainty since it

- Covers replacement costs of cycle life-limited hardware
- Incorporates Service Bulletins during covered maintenance events
- Provides FOD GAP Coverage
- Covers Rental Engines costs during compressor zone inspections and extended unscheduled maintenance
- Gives back up to 10% of each invoice in Engine Usage Based Credits
- Minimizes unexpected engine events and aircraft downtime with CAMP Engine Trend Monitoring

usage-based feature offers more flexibility by providing data you can use to further improve the operation of your aircraft. Usage Base Contracts are available for all customers with qualifying engines.

To find out more about how MSP can benefit your operations, please contact your local Honeywell representative or Honeywell Authorized Service Center.

HONEYWELL ENSEMBLE

Meet your end-to-end digital maintenance solution for your Honeywell business jet turbofan engines. It enhances engine health monitoring with automated data downloads, remote viewing, and will have secure, searchable maintenance records. Honeywell Ensemble fully digitizes engine performance monitoring and maintenance, improving aircraft utilization and reducing maintenance burden.

- Automatically download engine information for analysis and compliance, as well as maximizing rebates under the MSP usage-based plan.
- Access, analyze and track engine performance data after every flight and in near-real time.
- Detect, identify and proactively address potential issues before they can become serious problems that disrupt your operations.

Honeywell Ensemble operates by installing a single Honeywell Engine Data Gateway on each aircraft. This Wi-Fi-enabled device collects data from the aircraft's engine computers and transmits it to Honeywell Forge so that your ground crew can review in the data viewer for engine condition trend monitoring after every flight.



ENGINES / APU							
Engine			APU				
MSP	GOLD	GOLD NRL	MSP	GOLD	GOLD NLS		
•	•	•	•	•	•	On Condition Maintenance	Routine Inspection
•	•	•				CAMP Engine Trend Monitoring	
•	•	•	•	•	•	S.O.A.P. Kit and Analysis	
•	•	•	•	•	•	Routine Inspection Parts ¹	
	•			•	•	Routine Inspection Labor	
Major Periodic Inspection (MPI) / Compressor Zone Inspection (CZI) / Hot Section Periodic Inspections (HSI)							MPI / CZI / HSI
•	•	•	•	•	•	Inspection Labor	
•	•	•	•	•	•	Consumable Parts ¹	
•	•	•	•	•	•	Component Repair Labor (If Required)	
•	•	•	•	•	•	Other Required Parts	
•	•	•				Rental Engine During CZI (From Honeywell Engine Bank) ⁶	
•	•	•	•	•	•	Life Limited Parts	
	•	•		•	•	Engine Removal and Reinstallation and/or Access Time ²	
	•	•		•	•	Transportation of Engine ²	Unscheduled Maintenance
•	•	•	•	•	•	Troubleshooting Labor Allowance ³	
•	•	•	•	•	•	Consumable Parts ¹	
•	•	•	•	•	•	Other Required Parts	
•	•	•	•	•	•	Component Repair Labor (If Required)	
•	•	•	•	•	•	Rental Engine (From Honeywell Engine Bank)	
•	•	•	•	•	•	Exchange Engine/Module/Line Replaceable Unit (LRU)	
	•	•		•	•	Engine & LRU Removal & Reinstallation &/or Access Time ²	
	•	•		•	•	Logistical Support for Road Trips (Engine AOG Only) ²	
•	•	•	•	•	•	FOD Gap Coverage ⁵	
	•	•		•	•	Transportation of Unserviceable Engine or LRU	Additional Benefits
•	•	•	•	•	•	Service Bulletins: Category 1, 2, and 3 ⁴	
•	•	•	•	•	•	Increases Aircraft Resale / Trade-In Value	
•	•	•	•	•	•	Program Transferable at Time of Sale	
•	•	•	•	•	•	New Aircraft APU MSP at No Cost for 5 Years if Propulsion Engines on MSP	

¹ Fluids (oil, fuel etc.) are not covered.

² Per MSP standard business practices.

³ MSP up to 10 hours. MSP Gold up to 20 hours (more than 10 hours requires approval and/or justification). Warranty up to 10 hours (more than 10 requires approval and/or justification).

⁴ Labor will be covered by MSP when bulletins are incorporated in conjunction with other covered maintenance activities providing convenient access to the applicable engine area; otherwise, labor expenses will be the operator's responsibility.

⁵ Applicable only to FOD events.

⁶ For MSP covered events.

NOTE: Service bulletins identified as Category 1, 2, and 3 will be incorporated into MSP engines according to the Compliance Section of the bulletin. All coverage is detailed in executed contract with owner/operator.

HTF MSP NACELLE

AVOID UNEXPECTED EXPENSES

HTF Nacelle MSP covers scheduled or unscheduled maintenance and corrosion, budget control and peace of mind.

Key Features of MSP HTF Nacelle:

- Routine inspections
- Scheduled and unscheduled parts and labor
- Corrosion coverage
- Service Bulletins CAT 1 and CAT 2
- Replacement of nacelle components when Beyond Economic Repair (BER)*
- Critical Line Replacement Units (LRUs) supported by the SPEX exchange program
- Shipping of failed nacelle parts
- Fully-transferable program

* Nacelle Preferred only

Key Features MSP HTF Nacelle Gold:

Optional Gold coverage provides benefits such as:

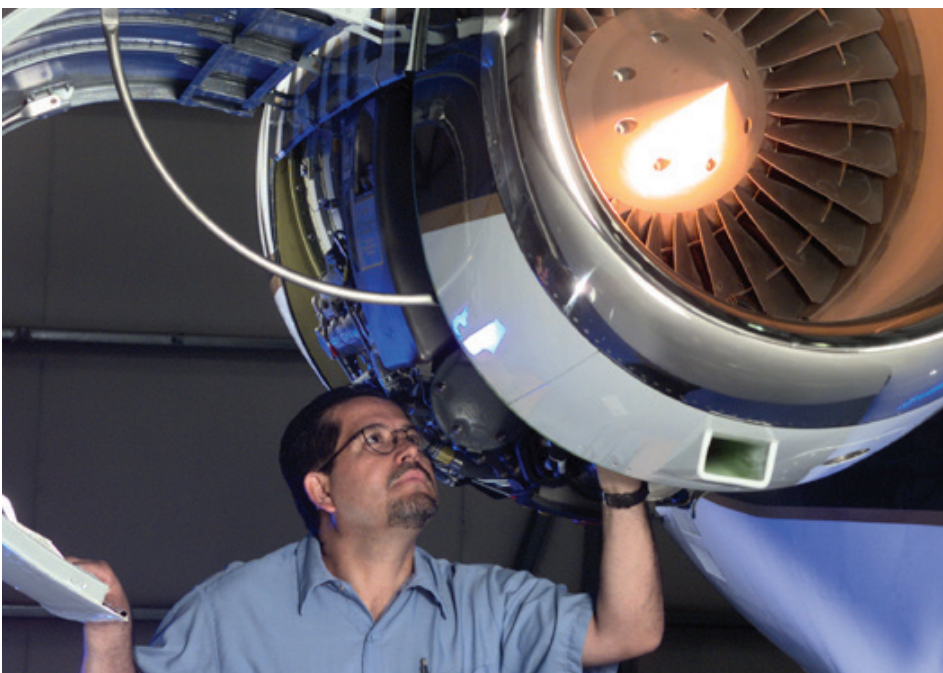
- Labor costs for inspections and removal and replacement of LRUs
- AOG 24/7 logistical support
- Troubleshooting, R and R and Mobile team
- Rental asset coverage

THERE FOR YOU WHEN YOU NEED IT

When the unexpected happens, MSP HTF Nacelle coverage ensures that your aircraft benefits from best-in-class maintenance services every time. Your aircraft will receive quick service from our technical product experts and service centers, making sure it is back in the air fast. This way you can focus on what matters most for you and your operations.

KEY BENEFITS

- 2 tiers of coverage to align to your needs
- Coverage for scheduled and uncheduled maintenance
- Options for corrosion treatment
- Predictable budget and costs
- OEM-authorized repairs and replacement parts
- Global OEM certified maintenance network
- Contractually defined annual rate adjustments limited by U.S. Government economic indices



		HONEYWELL			
		HTF Nacelle MSP Essential	HTF Nacelle MSP Essential-Gold	HTF Nacelle MSP Preferred	HTF Nacelle MSP Preferred-Gold
Standard	Scheduled and unscheduled parts and labor	•	•	•	•
	Consumable parts	•	•	•	•
	Mapaero conversion	•	•	•	•
	Corrosion repairs	•	•	•	•
	Scrap corrosion coverage			•	•
	Repairable LRUs supported by SPEX	•	•	•	•
	Non-repairable LRUs supported by Aftermarket Spares	•	•	•	•
	TR assembly Maintain Integrity	•	•	•	•
	Shipping of failed parts	•	•	•	•
	Service Bulletin - Categories 1 and 2	•	•	•	•
	Program transferrable at time of sale	•	•	•	•
Gold	Routine Inspection Labor incl/engine mount		•		•
	Rental TR assembly		•		•
	AOG 24/7 support		•		•
	Remove & replace LRU labor		•		•
	Troubleshooting & Mobile Team coverage		•		•

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**THE
 FUTURE
 IS
 WHAT
 WE
 MAKE IT**

