

CFM56 Fuel Nozzle Assembly



Fuel Nozzle Performance

Aero engine fuel nozzles play a vital role in the safe and reliable operation of modern aero engines. Air blast, pressure atomizing and direct injection technologies ensure turbine engine performance is optimized to improve efficiency and reduce emissions. To maintain this level of performance; operators require support from specialist service providers with the capability to clean, test, overhaul and calibrate these complex components.

In-service Degradation

CFM56 fuel nozzles are robust components providing many years of reliable service, however they are subject to a hostile environment including thermal cycling, contamination, erosion, crack defects, wear and handling damage.

Extended Repair Development

EthosEnergy Repair Stations support the global aviation industry with repair services backed by OEM and regulatory approval. Our experienced engineers have developed DER repair schemes helping reduce product life cycle cost for our customers.



Product Sheet

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Typical Part Numbers	CMM Repair	Repair Description
	01	Inlet Cover Seal Surface
	02	Inlet Cover Threads
	03	Remachine Inlet Cut-off Surface
	04	Remachine Inlet Bore
6840023M1	05	Undersize Inlet Repair
	06	Re-machine Support – Inlet Cover
1317M47G01	07	UndersizeInlet Bore
	08	Re-machine Support – Check Valve
6840023M9	09	Remove Meter Set – Secondary Body
	10	Remove Meter Set – Primary Body
1317M47G09	11	Replace Flange Pin
	12	Restore Mtg Flange Surface
6840023E16	13	Weld Buildup of Components
	14	Stress Relieve Support Tube
1317M47G16	15	Repair Defective Welds
	16	Lapping and Polishing
6840023E17	17	Remove Raised Metal
	18	Remachine Primary Body
1317M47G17	19	Remachine Secondary Body
	20	Match Primary & Secondary Bodies
6840023E18	21	Replace Wear Sleeve
	22	Repair Primary Strainer
1317M47G18	SB 6840023-73-007	Upgrade 6840023M1 to 6840023E18
151/114/010	DER Repair	Repair Description
	TDA 99-0210	Weld Repair of Inlet Cover
	TDA 00-0286	Alternate Detail Repair Parts
	TDA 00-0288	Replacement Weld Filler Rings
	TDA 00-0292	Restoration of Cartridge Valve Spool

Service Centres

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