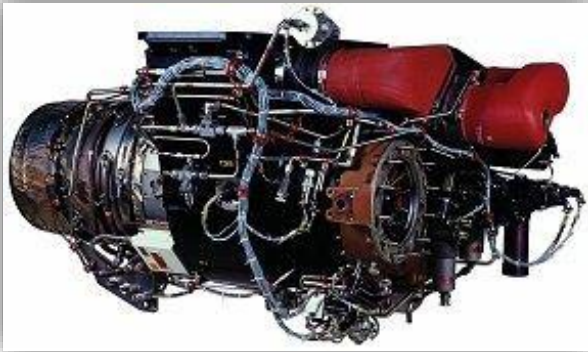




AMERICAN TURBO SYSTEMS COMPANY OVERVIEW



ESTABLISHED IN 1992, AMERICAN TURBO SYSTEMS IS A MANUFACTURER AND MRO PRODUCT SUPPORT FACILITY FOR GAS TURBINE ENGINES & POWER GENERATION SYSTEMS USED IN COMMERCIAL AND DEFENSE APPLICATIONS.



MARKET SEGMENTS

- COMMERCIAL AVIATION
- MILITARY GROUND SUPPORT EQUIPMENT (GSE)

AMERICAN TURBO SYSTEMS COMPANY OVERVIEW



- Our vision: Provide superior value of products & services to ensure our customers' applications are stronger, reliable, and more efficient to achieve maximum performance.

- Our mission: We strive to be a world-class provider of MRO solutions in the aerospace & defense industry. We will achieve this through:
 - Customer Focus
 - Product Support
 - Operational Excellence
 - Integrity
 - Continuous Improvement



AMERICAN TURBO SYSTEMS COMPANY OVERVIEW



What to expect from us:

- Wide range of capabilities
- Commitment to high standards of Quality and Delivery Performance
- Product reliability
- Highly skilled technical expertise
- In-House production
- Wide range of capabilities
- Partnering for excellence



Specializing in:

- Auxiliary power unit (APU) overhaul
- Repair of APU components and accessories
- Manufacture of new, overhauled or repaired turbine powered ground support equipment and components
- Complete testing of APUs, systems and accessories





MRO Services

- FAA/EASA/CAAC Certified
- Worldwide spares distribution
- 24 Hour AOG support
- Rapid Cycle Time
- Inventory management

MRO Engineering Services

- DER Repair Center
 - DER Approved Repair Procedures
 - Proprietary repair capabilities
 - Extended product life cycle
- Product improvement support
- Tech support
 - Troubleshoot & Development & Innovation

Delivering the Quality and Service you expect!

REGULATORY CERTIFICATIONS



FAA Approved Repair Station# GV7R740J EASA Approval# EASA.145.6462

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number GV7R740J

This certificate is issued to
AMERICAN TURBO SYSTEMS
whose business address is
4210 NORTH SULLINGER AVENUE
TUCSON, ARIZONA 85705

upon finding that its organization complies in all respects with the requirements of the Federal Aviation Regulations relating to the establishment of an Air Agency, and is empowered to operate an approved REPAIR STATION *with the following ratings:*

LIMITED AIRFRAME (07/13/1999)
LIMITED ACCESSORIES (07/13/1999)
LIMITED NON DESTRUCTIVE TEST (09/12/2005)
LIMITED ENGINE (01/13/2016)

This certificate, unless canceled, suspended, or revoked, shall continue in effect INDEFINITELY

Date issued:
FEBRUARY 27, 1995

By direction of the Administrator

KENNETH J. REILLY
MANAGER, SDL-PDQ-WP07

This Certificate is not Transferable, and any major change in the basic facilities, or in the location thereof, shall be immediately reported to the appropriate regional office of the Federal Aviation Administration.

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

FAA Form 8000-4 (1-47) SUPERSEDES FAA FORM 330. Electronic Forms (PDF)

European Union Aviation Safety Agency

U.S. APPROVAL CERTIFICATE

EASA.145.6462

Taking into account the provisions of Article 68 of Regulation (EU) 2018/1139 of the European Parliament and of the Council and the bilateral agreement currently in force between the European Community and the Government of the United States of America, the European Union Aviation Safety Agency (EASA) hereby certifies:

AMERICAN TURBO SYSTEMS Inc.
FAA Number: GV7R740J

**4210 N SULLINGER AVENUE
85705 TUCSON ARIZONA
UNITED STATES**

as a Part-145 maintenance organization approved to maintain the products listed in the FAA Air Agency Certificate and associated Operations Specifications and issue related certificates of release to service using the above reference, subject to the following conditions:

1. The scope of the approval is limited to that specified on the 14 CFR part 145 repair station Air Agency Certificate, and the associated Operations Specifications for work carried out in the United States (unless otherwise agreed in a particular case by EASA).
2. The approval scope shall not exceed the permitted EASA Part-145 ratings as detailed in Regulation EC (No) 1321/2014.
3. This approval requires continued compliance with 14 CFR part 145 and the differences as specified in the Maintenance Annex Guidance (MAG), including the use of the FAA Form 8130-3 for release/return to service of components up to and including power plants.
4. Certificates of return to service must quote the EASA Part-145 approval reference number quoted above and the 14 CFR part 145 Air Agency Certificate number.
5. Subject to compliance with the foregoing conditions, this approval shall remain valid until:

22 January 2025

unless the approval is surrendered, superseded, suspended or revoked.

Date of issue: 18 November 2022

Signed:

For the European Union Aviation Safety Agency

EASA Form 3 - EASA U.S. Approval Certificate Iss 1

Page 1 of 1

REGULATORY CERTIFICATIONS



CAAC # F00100649


中国民用航空局
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

维修许可证
MAINTENANCE ORGANIZATION CERTIFICATE

编号/No. F00100649

单位名称/NAME OF ORGANIZATION:
American Turbo Systems

单位地址/BUSINESS ADDRESS:
4210 North Sullinger Avenue Tucson Arizona 85705 USA

经审查, 该单位符合中国民用航空规章第 145 部的要求, 可以从事如下类别的维修工作:
Upon finding that the organization complies with the requirements of **CHINA CIVIL AVIATION REGULATION(CCAR)** Part 145, the above organization is adequate to accomplish maintenance of the following ratings:

Powerplant Maintenance
Component Maintenance
- ☆ -

本许可证除被放弃、暂停或吊销, 在下述期限内将一直有效。
This certificate, unless cancelled, suspended, or revoked, shall continue in effect until:

2021-12-31

局长授权/FOR THE ADMINISTRATOR OF CAAC
签字/SIGNATURE:
XUE Shijun 

职务/POSITION:
Deputy Director General of FSD

颁发日期/DATE ISSUED:

再次颁发日期/DATE REISSUED:
2019-11-05


中国民用航空局
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

许可维修项目
LIMITATION OF MAINTENANCE ITEMS

限定/LIMITATION:
对第 F00100649 号许可证所列维修类别限定如下地点和项目:
Location and items set forth on Maintenance Organization Certificate No. F00100649 is/are limited to the following:

LOCATION: Tucson
Repair, Overhaul and Modification of following APUs:
GTCP85-129 Series (GTCP85-129, GTCP85-129A, GTCP85-129B, GTCP85-129C, GTCP85-129D, GTCP85-129E, GTCP85-129F, GTCP85-129G, GTCP85-129H, GTCP85-129J, GTCP85-129CKB).

Inspection, Repair, Overhaul and Modification of the following Components:
Electrical Power (ATA-24): Limit to Electrical Power System.
Airborne Auxiliary Power (ATA-49): Limit to APU Cowling/Containment; APU Core Engine; APU Engine Fuel and Control; APU Start/Ignition System; APU Bleed Air System; APU Controls; APU Indicating System; APU Oil System.
Detail as listed in CAAC approved maintenance capability list.
- ☆ -

局长授权/FOR THE ADMINISTRATOR OF CAAC
签字/SIGNATURE:
XUE Shijun 

职务/POSITION:
Deputy Director General of FSD

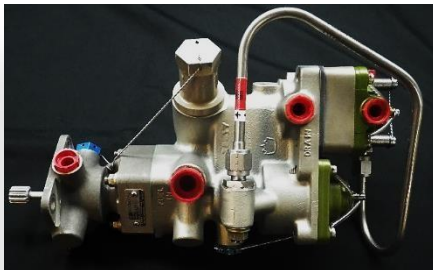
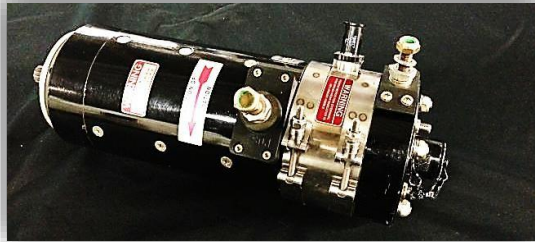
颁发日期/DATE ISSUED:

再次颁发日期/DATE REISSUED:
2019-11-05



COMMERCIAL
AVIATION MRO
PRODUCTS & SERVICES

COMMERCIAL AVIATION MRO



MRO CAPABILITY



APU OVERHAUL & COMPONENT REPAIR

- Specialized Capability in Rotating Components
- Hot Section Components Repair
- Compressor Components & Housings Repair
- Gearbox Housings & Gears Repair
- Complete Accessory Overhaul for all Parts & Housings
- **FAA/EASA approved DER Repairs**

APU'S SUPPORTED

- GTCP131
- GTCP331
- GTCP85
- GTCP95
- GTCP36

PRODUCT TYPES



Precision-Machined Complex Aerospace & Defense Parts

- Fuel Control Units
- Starters
- Valve Bodies
- Housings
- Nozzles
- Vanes
- Gear Box Housings
- Scroll Housings / Torus
- Rotors
- Impellers
- Inlets
- Stators
- Shrouds
- Nozzles
- Diffusers
- Fuel Control Torque Motors
- Fuel Pumps
- Load Control Valves
- Surge Control Valves
- IGVA
- Lube Modules
- Chambers
- Fan Housings



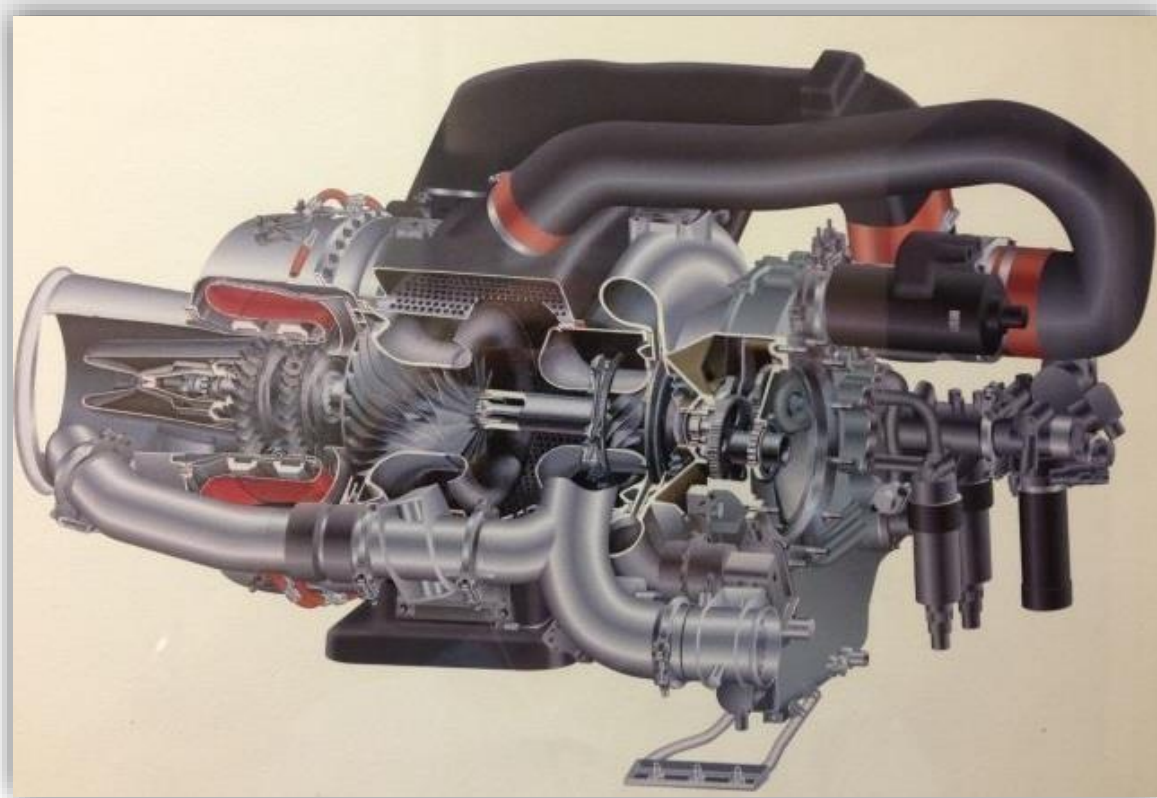
SERVICES & CAPABILITIES



- Conventional Machining
- Curvic Grinding
- Welding & Brazing
- Hand Finishing & Bench Grinding
- Balance
- Inspection / Non-Destructive Testing
- Painting & Powder Coating
- Plasma spray
- Anodizing, Chem Film Coating, Chromate Conversion Coating
- Spin Testing
- Shot Peen
- Heat Treat / Stress Relief



GTCP131 CAPABILITY

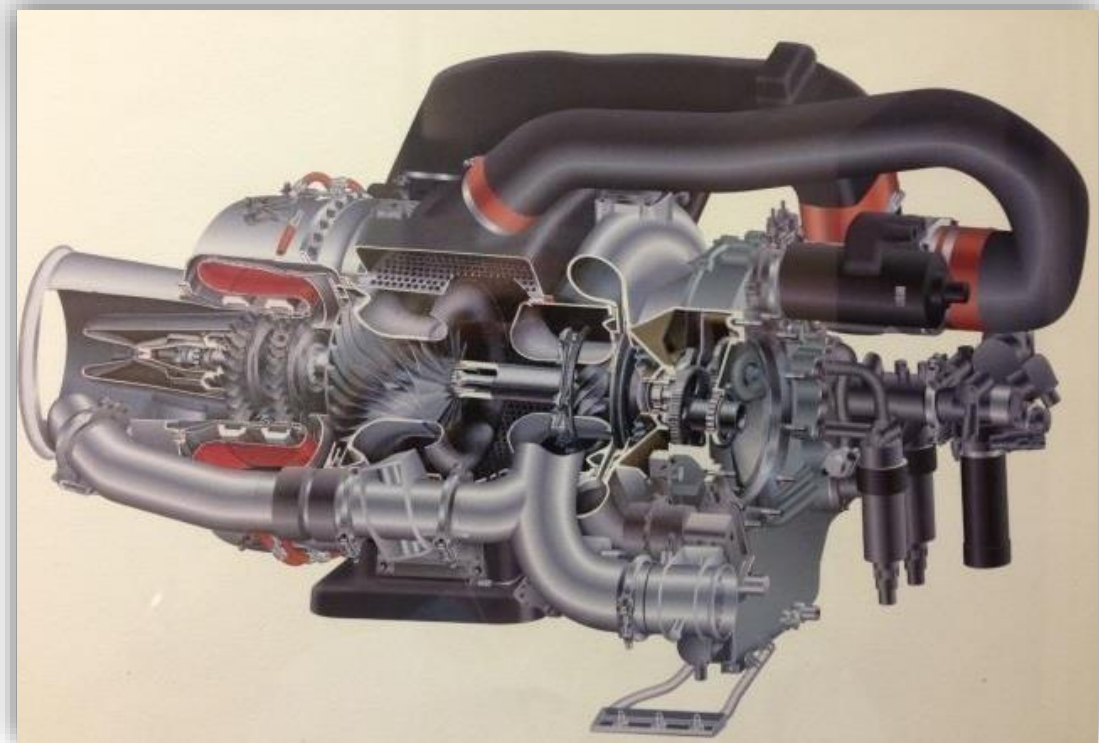


GTCP131 CAPABILITY



GTCP131 APU OVERHAUL & COMPONENT REPAIR

- GTCP131-9A
- GTCP131-9B



GTCP131 CAPABILITY



GTCP131 COMPRESSOR ROTOR

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



GTCP131 CAPABILITY



GTCP131 FUEL CONTROL

Work Scope:

- Overhaul



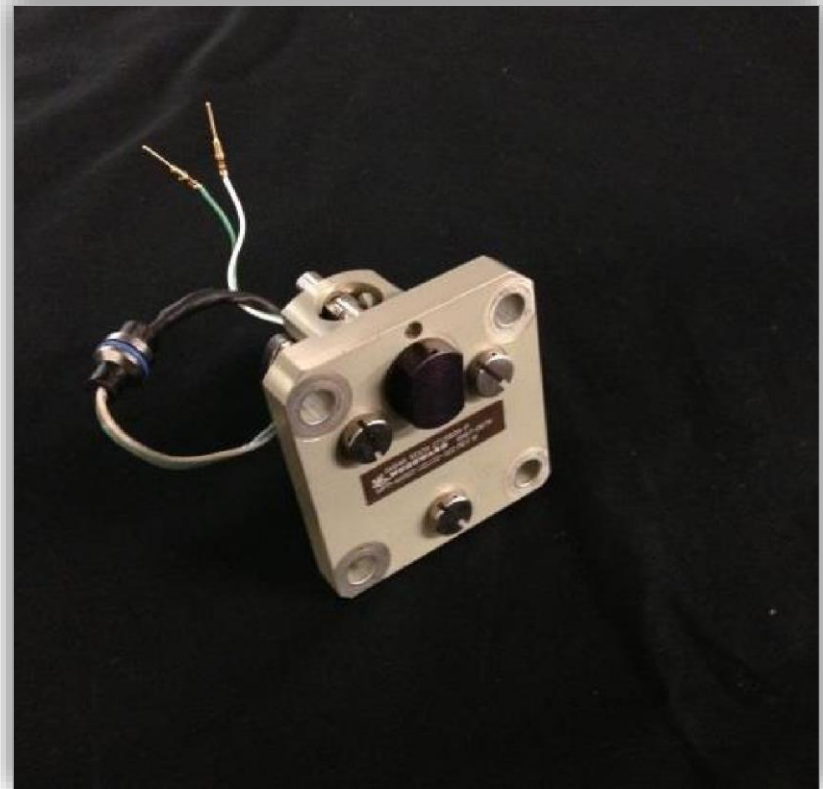
GTCP131 CAPABILITY



GTCP131 FUEL CONTROL TORQUE MOTOR

Work Scope:

- Test
- Demagnetize
- Disassemble
- Fabricate
- Replace coils
- Assemble
- Magnetize
- Adjust flow & hysteresis
- **FAA/EASA Approved DER Repair**



GTCP131 CAPABILITY



GTCP131 STARTER

Work Scope:

- Overhaul



GTCP131 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3800702-1	GTCP131-9B APU	GTCP131
3800708-1	GTCP131-9A APU	GTCP131
441921-4/-5	FUEL CONTROL UNIT	GTCP131
2704506-2/-4	STARTER MOTOR	GTCP131
3822391-3/-6/-7	ROTOR, COMPRESSOR	GTCP131
3822400-2/-4/-5	ROTOR, DRIVEN COMPRESSOR	GTCP131
2718832	TORQUE MOTOR	GTCP131
2718834	TORQUE MOTOR	GTCP131
3880938-1	FILTER, OIL	GTCP131
4141028-3/-4	DEPRIME VALVE	GTCP131
692546-4	SOLENOID VALVE	GTCP131
MS28034-1	INLET TEMPERATURE SENSOR	GTCP131
MS28034-3	OIL TEMP SENSOR	GTCP131

GTCP131 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3810083	SEGMENT GEAR	GTCP131
3810684	DRIVEN COMPRESSOR IGV	GTCP131
3810779	IGV HOUSING	GTCP131
3810781	IGV FACE GEAR	GTCP131
3810784	IGV COVER	GTCP131
3810794	SEGMENT GEAR	GTCP131
3810795	UPPER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810796	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810797	INLET HOUSING ASSEMBLY	GTCP131
3810808	IGV HOUSING	GTCP131
3810820	INLET HOUSING ASSEMBLY	GTCP131
3810823	IGV FACE GEAR	GTCP131
3810828	UPPER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810829	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810875	IGV COVER	GTCP131
3810887	INLET HOUSING ASSEMBLY	GTCP131
3810889	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810900	FAN EXIT DUCT ASSEMBLY	GTCP131
3810905	UPPER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810906	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810919	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810929	FAN INLET DUCT	GTCP131
3810948	UPPER COMPOSITE INLET DUCT ASSEMBLY	GTCP131
3810949	LOWER COMPOSITE INLET DUCT ASSEMBLY	GTCP131

PART NUMBER	DESCRIPTION	APU
3822398	TURBINE SHAFT	GTCP131
3822404	DRIVEN COMPRESSOR COUPLING SHAFT	GTCP131
3822492	COMPRESSOR MATCHED SET SHAFT	GTCP131
3822504	TURBINE SHAFT	GTCP131
3822510	COMPRESSOR MATCHED SET SHAFT	GTCP131
3822529	DRIVEN COMPRESSOR COUPLING SHAFT	GTCP131
3827054	DRIVEN CENTRIFUGAL COMPRESSOR DIFFUSER	GTCP131
3827067	LOAD COMPRESSOR HEAT SHIELD	GTCP131
3827152	DRIVEN CENTRIFUGAL COMPRESSOR CASE	GTCP131
3827192	ENGINE COMPRESSOR DESWIRL	GTCP131
3827257	ENGINE COMPRESSOR DIFFUSER	GTCP131
3827260	DRIVEN COMPRESSOR BEARING HOUSING	GTCP131
3827265	COMPRESSOR BEARING HOUSING	GTCP131
3827273	DIFFUSER HOUSING ASSEMBLY	GTCP131
3827274	ENGINE COMPRESSOR SHROUD	GTCP131
3827320	DRIVEN COMPRESSOR BEARING HOUSING	GTCP131
3827322	ENGINE COMPRESSOR SHROUD	GTCP131
3827325	ENGINE COMPRESSOR DIFFUSER	GTCP131
3827401	ENGINE COMPRESSOR DESWIRL	GTCP131
3827402	DIFFUSER HOUSING ASSEMBLY	GTCP131
3827419	COMPRESSOR BEARING HOUSING	GTCP131
3827426	DRIVEN COMPRESSOR BEARING HOUSING	GTCP131
3827429	DIFFUSER HOUSING ASSEMBLY	GTCP131
3827504	ENGINE COMPRESSOR CASE	GTCP131
3827505	DRIVEN COMPRESSOR CASE	GTCP131
3830415	ANNULAR COMBUSTION CHAMBER	GTCP131

GTCP131 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3830416	FUEL INJECTION NOZZLE	GTCP131
3830418	FUEL NOZZLE AIR SHROUD	GTCP131
3830461	ANNULAR COMBUSTION CHAMBER	GTCP131
3840160	FIRST STAGE TURBINE ROTOR ASSEMBLY	GTCP131
3840161	FIRST STAGE AXIAL TURBINE DISK	GTCP131
3840165	SECOND STAGE TURBINE ROTOR ASSEMBLY	GTCP131
3840170	COUPLING SHAFT	GTCP131
3840171	COUPLING SHAFT	GTCP131
3840172	AFT BEARING SHAFT	GTCP131
3840223	FIRST STAGE TURBINE ROTOR BLADE	GTCP131
3840282	FIRST STAGE TURBINE ROTOR BLADE	GTCP131
3840302	FIRST STAGE AXIAL TURBINE DISK	GTCP131
3840303	FIRST STAGE TURBINE ROTOR ASSEMBLY	GTCP131
3840310	FIRST-STAGE TURBINE ROTOR ASSEMBLY	GTCP131
3844570	FIRST STAGE TURBINE STATOR ASSEMBLY	GTCP131
3844575	FIRST STAGE TURBINE SHROUD SEGMENT	GTCP131
3844582	SECOND STAGE STATOR SEAL	GTCP131
3844595	SHROUD SEGMENT SEAL	GTCP131
3844619	INNER TRANSITION LINER	GTCP131
3844683	FIRST STAGE NOZZLE SUPPORT	GTCP131
3844751	OUTER TRANSITION LINER	GTCP131
3844760	FIRST STAGE TURBINE NOZZLE SEGMENT	GTCP131
3844762	SECOND STAGE STATOR	GTCP131
3844763	TURBINE BEARING HOUSING ASSEMBLY	GTCP131
3844766	COMBUSTOR CASE	GTCP131

PART NUMBER	DESCRIPTION	APU
3844797	FIRST STAGE TURBINE STATOR ASSEMBLY	GTCP131
3844834	THERMAL INSULATION BLANKET SET	GTCP131
3844860	TURBINE BEARING SUPPORT	GTCP131
3844861	THERMAL INSULATION BLANKET SET	GTCP131
3844863	TURBINE BEARING HOUSING ASSEMBLY	GTCP131
3844864	SECOND STAGE STATOR	GTCP131
3844907	TURBINE BEARING SUPPORT	GTCP131
3844908	FIRST STAGE NOZZLE SUPPORT	GTCP131
3844922	TURBINE BEARING HOUSING ASSEMBLY	GTCP131
3844923	TURBINE BEARING SUPPORT	GTCP131
3850100	EDUCTOR HOUSING	GTCP131
3860625	SPLINED SHAFT ASSEMBLY (STARTER)	GTCP131
3861020	HIGH SPEED PINION GEARSHAFT	GTCP131
3861023	COMPOUND IDLER GEARSHAFT ASSEMBLY	GTCP131
3861025	LUBE PUMP GEARSHAFT ASSY	GTCP131
3861028	GENERATOR GEARSHAFT	GTCP131
3861046	GENERATOR GEARSHAFT	GTCP131
3861047	HIGH SPEED PINION GEARSHAFT	GTCP131
3861139	HIGH SPEED PINION GEARSHAFT	GTCP131
3861141	MATCHED SET GEARSHAFT	GTCP131
3863200	MATCHED GEARBOX HOUSING ASSEMBLY SET	GTCP131
3863358	MATCHED GEARBOX HOUSING ASSEMBLY SET	GTCP131
3863371	MATCHED GEARBOX HOUSING ASSEMBLY SET	GTCP131
3863426	MATCHED GEARBOX HOUSING ASSEMBLY SET	GTCP131
3868027	QUILL SHAFT ASSEMBLY	GTCP131

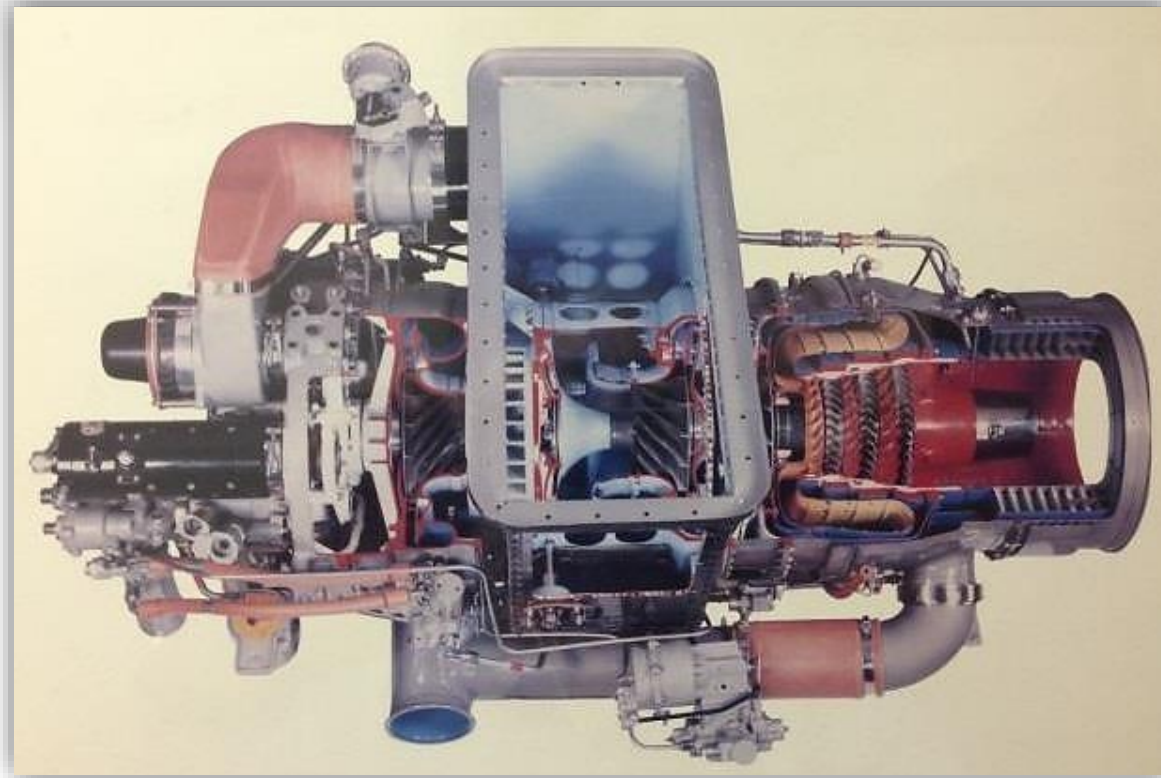
GTCP131 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3870200	HIGH SPEED PINION GEAR	GTCP131
3870201	MATCHED SET GEARSHAFT	GTCP131
3870205	MATCHED SET GEARSHAFT CLUSTER	GTCP131
3870208	LUBE PUMP GEARSHAFT ASSEMBLY	GTCP131
3870211	STARTER GEARSHAFT	GTCP131
3876132	IGNITER PLUG LEAD	GTCP131
3876223	MOTIONAL TRANSDUCER	GTCP131
3876223	SPEED SENSOR	GTCP131
3876225	INLET PRESSURE SENSOR	GTCP131
3876226	TOTAL PRESSURE SENSOR	GTCP131
3876227	DELTA PRESSURE SENSOR	GTCP131
3876255	LOP SWITCH	GTCP131
3876271	EXHAUST THERMOCOUPLE	GTCP131
3876298	OIL LEVEL SENSOR	GTCP131
3876330	OIL LEVEL SWITCH	GTCP131
3879005	CHECK VALVE	GTCP131
3883687	FLOW DIVIDER	GTCP131
3883830	FLOW DIVIDER	GTCP131
3883836	PRIMARY FUEL MANIFOLD	GTCP131
3883837	SECONDARY FUEL MANIFOLD	GTCP131
3884928	DRIVEN COMPRESSOR BLEED AIR DUCT	GTCP131
3884939	BLEED DUCT SUPPORT BRACKET	GTCP131
3884950	TOTAL PRESSURE PICKUP PROBE ASSEMBLY	GTCP131
3884959	FAN EXIT DUCT ASSEMBLY	GTCP131
3884971	TOTAL PRESSURE PROBE ASSEMBLY	GTCP131
3884974	SURGE DUCT	GTCP131
3884988	COMPRESSOR DISCHARGE DUCT	GTCP131
3885003	SURGE DUCT	GTCP131
3885004	DRIVEN COMPRESSOR BLEED AIR DUCT	GTCP131
3885007	COMPRESSOR DISCHARGE DUCT	GTCP131

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GTCP331 CAPABILITY

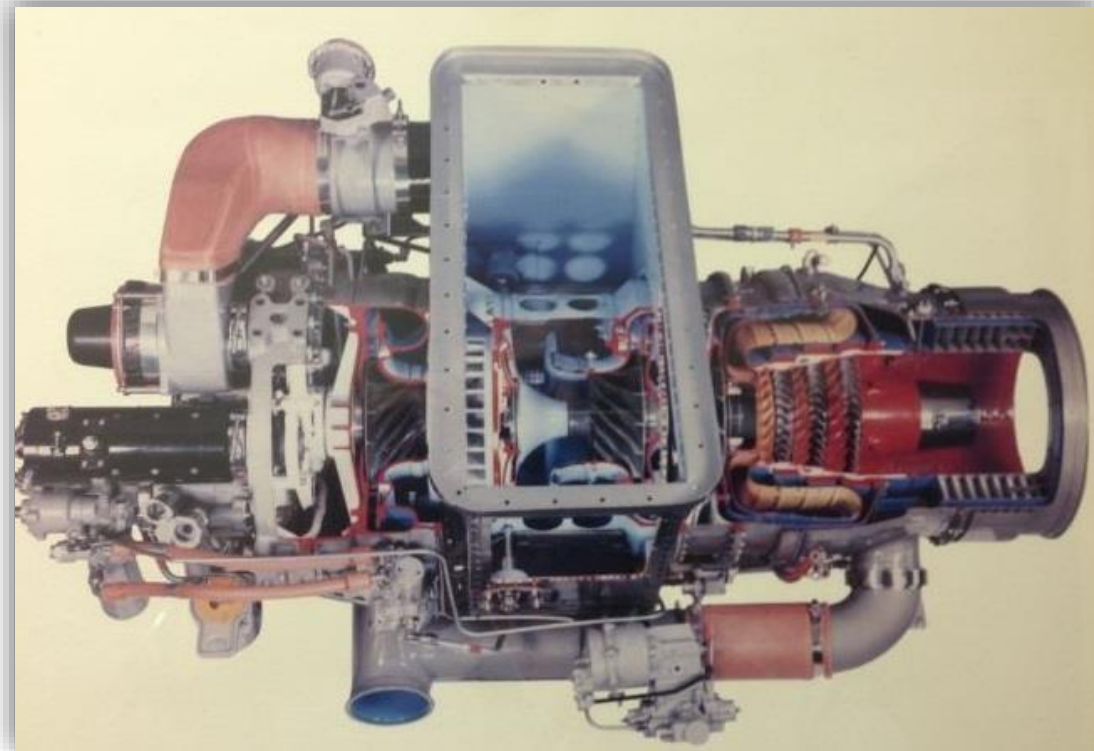


GTCP331 CAPABILITY



GTCP331 APU OVERHAUL & COMPONENT REPAIR

- GTCP331-200
- GTCP331-250



GTCP331 CAPABILITY



GTCP331 COMPRESSOR 1ST STAGE ROTOR

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



GTCP331 CAPABILITY



GTCP331 COMPRESSOR 2ND STAGE ROTOR

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



GTCP331 CAPABILITY



GTCP331 COMPRESSOR LOAD CONTROL ROTOR

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



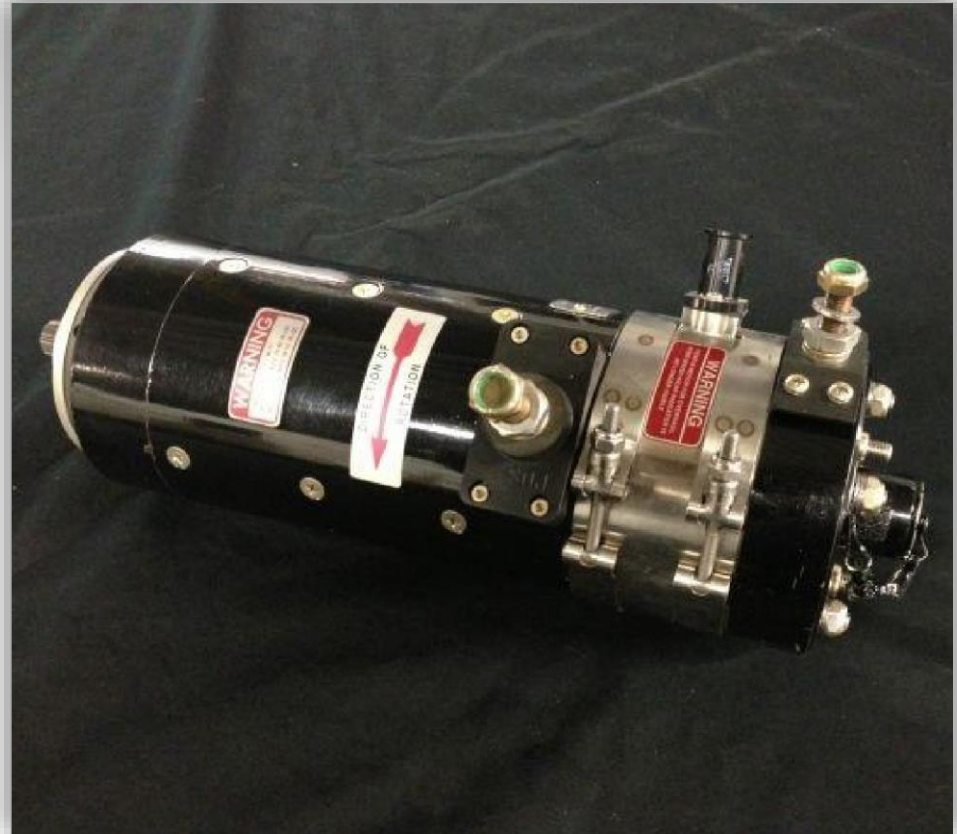
GTCP331 CAPABILITY



GTCP331 STARTER

Work Scope:

- Overhaul



GTCP331 CAPABILITY



GTCP331 FUEL CONTROL

Work Scope:

- Overhaul



GTCP331 CAPABILITY



GTCP331-200 FUEL CONTROL TORQUE MOTOR

Work Scope:

- Test
- Demagnetize
- Disassemble
- Fabricate
- Replace coils
- Assemble
- Magnetize
- Adjust flow & hysteresis
- **FAA/EASA Approved DER Repair**



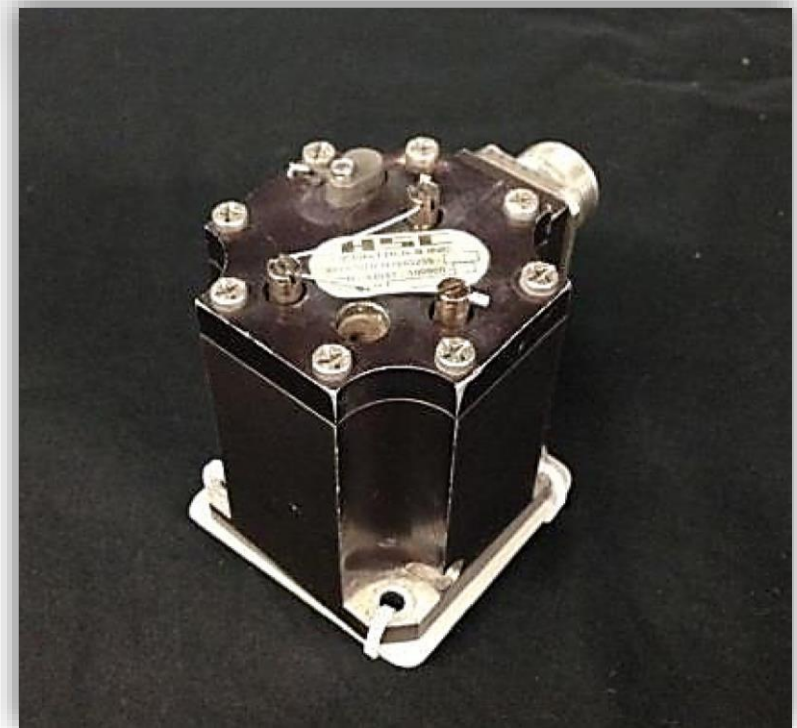
GTCP331 CAPABILITY



GTCP331-350 FUEL CONTROL TORQUE MOTOR

Work Scope:

- Test
- Demagnetize
- Disassemble
- Fabricate
- Replace coils
- Assemble
- Magnetize
- Adjust flow & hysteresis
- **FAA/EASA Approved DER Repair**



GTCP331 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3800298-1	GTCP331-200 APU	GTCP331
381388-1	GTCP331-250 APU	GTCP331
3822067-2	COMPRESSOR ROTOR, 1ST STAGE	GTCP331
3822068-1/-2	COMPRESSOR ROTOR, 2ND STAGE	GTCP331
3822074-3	COMPRESSOR ROTOR	GTCP331
3822080-2/-3/-4	COMPRESSOR ROTOR	GTCP331
3810123-4/-5/-6/-8	COVER ASSEMBLY, IGV	GTCP331
3810176-3/-4/-7/-8/-9/-10/-11/-12	HOUSING ASSEMBLY, INLET	GTCP331
3810213-10	PLENUM, UPPER HALF INLET	GTCP331
3810214-5	PLENUM, LOWER HALF INLET	GTCP331
3810228-2	PLENUM, LOWER HALF INLET	GTCP331
3810229-2/-4/-5	PLENUM, UPPER HALF INLET	GTCP331
3810216-1/-2/-3	COVER ASSEMBLY	GTCP331
3810224-7/-8/-11/-12/-13	HOUSING ASSEMBLY, IGVA	GTCP331
3862699-3	GEARBOX ASSEMBLY	GTCP331
3885081-1	FLOW PALLATE MODULE	GTCP331

PART NUMBER	DESCRIPTION	APU
3840019-1	DISC, 1ST STAGE TURBINE	GTCP331
3840007-1	DISC, 2ND STAGE TURBINE	GTCP331
3840022-3/-4	WHEEL ASSY, 3RD STAGE TURBINE	GTCP331
3840002-2/-3/-5	WHEEL ASSEMBLY, 1ST STAGE TURBINE	GTCP331
3840006-1	WHEEL ASSEMBLY, 2ND STAGE TURBINE	GTCP331
3882500-1/-6/-7/-8/-9/-10/-11/-12/-13/-14/-15/-16/-17	FUEL CONTROL ASSEMBLY	GTCP331
3876046-4	SOLENOID VALVE ASSEMBLY	GTCP331
3880160-2/-3/-4/-5	PUMP ASSEMBLY, SCAVENGE	GTCP331
3882550-1,-2,-3	VALVE ASSEMBLY, FLOW DIVIDER	GTCP331
3888123-9	WIRING HARNESS ASSEMBLY	GTCP331
519858-X	MOTOR, ENGINE STARTER	GTCP331
3882506-3	TORQUE MOTOR	GTCP331
3882506-6	TORQUE MOTOR	GTCP331
3883255-3	TORQUE MOTOR	GTCP331

GTCP331 CAPABILITY



PART NUMBER	DESCRIPTION	APU
160126-2	REGULATOR, OIL TEMP	GTCP331
305766-1/-4	IGNITER PLUG, HIGH VOLTAGE	GTCP331
3101091-2/-3	RETAINER, BRG	GTCP331
3289504-2	VALVE, GB REGULATING	GTCP331
3611372-1	ADAPTER	GTCP331
3612887-1	RING GEAR ASSEMBLY	GTCP331
3613961-1	DUCT, FAN INLET	GTCP331
3614400-8	TRANSDUCER ASSEMBLY	GTCP331
3616848-2	VALVE, GEARBOX SHUTOFF	GTCP331
3616959-6	FAN ASSEMBLY	GTCP331
3617459-1	VALVE, BODY ASSY	GTCP331
3790076-105	ACTUATOR, IGV ASSY	GTCP331
3810119-2	GEAR SECTOR, SPUR IGVA	GTCP331
3810120-1	GEARSHAFT SECTOR	GTCP331
3810127-1	HOUSING ASSY, BRG INLET	GTCP331
3810138-1/-2	SHROUD, COMPRESSOR	GTCP331
3810187-2	HOUSING ASSY, BRG INLET	GTCP331
3810211-3	BELL, INLET COMPRESSOR	GTCP331
3810259-3	HOUSING ASSY, INLET	GTCP331
3822060-2	COUPLING AND SEAL ASSY	GTCP331
3822062-2	SHAFT, DRIVEN CPRSR	GTCP331
3822065-1	SHAFT, ENG CPRSR CPLG	GTCP331
3822077-1/-2/-4/-5	TIE SHAFT ASSEMBLY	GTCP331
3826099-1/-3/-4/-5	VANE, INLET	GTCP331
3826110-2	DESWIRL ASSEMBLY	GTCP331

PART NUMBER	DESCRIPTION	APU
3826120-2	CARRIER, BEARING	GTCP331
3826125-1	CARRIER, SEAL	GTCP331
3826127-1	CARRIER, SEAL	GTCP331
3826130-1	RETAINER, SEAL	GTCP331
3826138-3	HOUSING ASSY, CPRSR	GTCP331
3826140-5/-6/-8/-9	SCROLL HOUSING ASSY	GTCP331
3826141-5/-7/-8/-9	BACK SHROUD ASSY	GTCP331
3826158-1	SHAFT, ACTUATOR	GTCP331
3826184-5	INSUL BLNKT, SIDE SEGMENT	GTCP331
3826185-4	INSUL BLNKT, TOP SEGMENT	GTCP331
3826186-5	INSUL BLNKT, BTM SEGMENT	GTCP331
3826262-1,-2	DIFFUSER, 2 STG	GTCP331
3826282-1	DIFFUSER, DRIVEN CPRSR	GTCP331
3830051-1,-2,-3,-4,-5	COMBUSTION CHAMBER, ANLR	GTCP331
3830054-9	SHROUD, FUEL NOZZLE	GTCP331
3840004-5	BLADE, 1 STG TURB ROTOR	GTCP331
3840008-2	BLADE, 2 STG TURB ROTOR	GTCP331
3840011-3	COUPLING, RTR SEAL CURVIC	GTCP331
3840016-2	COUPLING AND SEAL ASSY	GTCP331
3844001-1/-3	LINER ASSY, CMBSTR TRNSN	GTCP331
3844007-1	SUPPORT, 1 STG STATOR	GTCP331
3844008-1	SHROUD, 1 STG TURB	GTCP331
3844009-1	SUPPORT, 2 STG STATOR	GTCP331
3844011-2/-5/-9	STATOR ASSY, 2 STG TURB	GTCP331
3844018-1/-2/-3/-4/-5	STATOR ASSY, 3 STG TURB	GTCP331

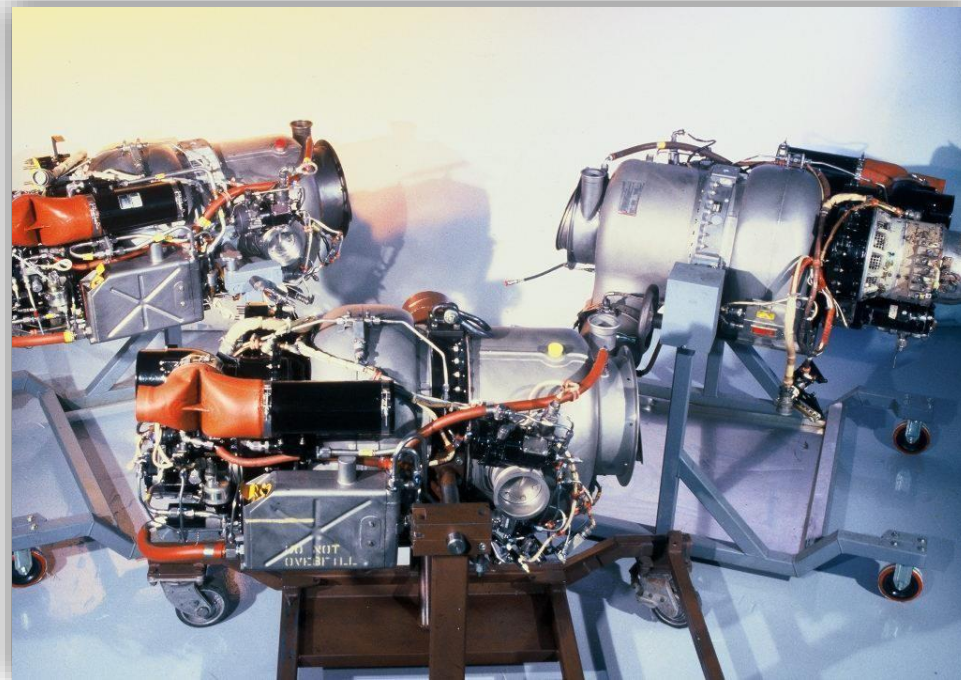
GTCP331 CAPABILITY



PART NUMBER	DESCRIPTION	APU
3844028-1/-2/-3/-4/-5/-8	SUPPORT ASSY, TURB BRG	GTCP331
3844038-1/-4	STATOR ASSY, 1 STAGE	GTCP331
3844040-1/-3/-5/-8	STATOR ASSY, 1 STG TURB	GTCP331
3844045-1/-2	RING, CONTAINMENT	GTCP331
3844050-2	SEAL, LABYRINTH	GTCP331
3844053-1/-2	CASE, COMBUSTION CHAMBER	GTCP331
3844082-1	INSULATION, BLANKET	GTCP331
3844083-1	INSULATION, BLANKET	GTCP331
3844084-1	INSULATION, BLANKET	GTCP331
3844085-1	INSULATION, BLANKET	GTCP331
3844086-1	INSULATION, BLANKET	GTCP331
3844268-1/-2/-3/-4/-5/-6	HEAT SHIELD	GTCP331
3850007-1	MUFFLER, EXHAUST	GTCP331
3850008-1	CONE, TAIL, TURBINE	GTCP331
3850010-2	HOUSING, EXHAUST MUFFLER	GTCP331
3862180-21	GEARBOX ASSEMBLY	GTCP331
3862385-1	HOUSING ASSEMBLY	GTCP331
3868000-1	SHAFT, QUILL	GTCP331
3868001-1	SHAFT, QUILL	GTCP331
3870050-1	SUPPORT, TURBINE	GTCP331
3876023-2	SWITCH, OIL TEMP	GTCP331
3876024-6	SWITCH, LOW OIL PRESSURE	GTCP331
3876026-3	TRANSDUCER, MOTIONAL #1	GTCP331
3876026-3	TRANSDUCER, MOTIONAL #2	GTCP331
3876027-3/-4	THERMOCOUPLE, IMMERSION	GTCP331

PART NUMBER	DESCRIPTION	APU
3876035-4	SENSOR, CPRSR INLET PRESS	GTCP331
3876048-3	SWITCH, DIFF. PRESS.	GTCP331
3876059-2	SWITCH, OIL LEVEL	GTCP331
3876072-1/-2	SENSOR, DRVN CPRSR INLET	GTCP331
3876096-1	SENSOR ASSY, STATIC FLOW	GTCP331
3876166-1	VALVE, DE-OIL SOLENOID	GTCP331
3880163-1	GEARSHAFT, SPUR	GTCP331
3880210-5	FILTER ASSEMBLY	GTCP331
3880271-1	INDICATOR, DIFF. PRESS	GTCP331
3882491-1/-2/-3	MANIFOLD ASSY, PRI FUEL	GTCP331
3882492-1/-2/-3/-5/-6	MANIFOLD ASSY, SEC FUEL	GTCP331
3882721-3	DUCT, FAN DISCHARGE	GTCP331
3884211-1	DUCT, SURGE ELBOW	GTCP331
3884238-2	DUCT, TEE	GTCP331
3884292-2	DUCT, AIR SURGE	GTCP331
3884391-1 / -2	DUCT, AIR SURGE	GTCP331
3888076-3	LEAD, ELEC IGNITER PLUG	GTCP331
4-1059-100	MAGNETIC DRAIN PLUG	GTCP331
42044A	SHUTTLE VALVE	GTCP331
420-44A6BBB	VALVE, SHUTTLE	GTCP331

GTCP85 CAPABILITY

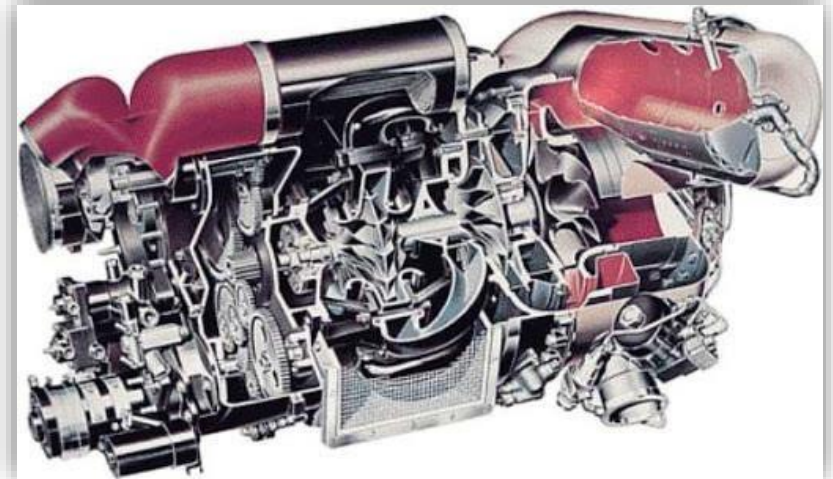


GTCP85 CAPABILITY



GTCP85 APU OVERHAUL & COMPONENT REPAIR

- **ALL** GTCP85 SERIES APUs:
COMPLETE OVERHAUL SERVICES
- **ALL** GTCP85 ACCESSORIES:
COMPLETE OVERHAUL SERVICES
- RESTORATION & REPAIR OF ALL
GTCP85 MAJOR COMPONENTS
- **FAA/EASA Approved**
DER Repairs



GTCP85 CAPABILITY



GTCP85 SERIES MODELS AND APPLICATION

PART NUMBER	MODEL	APPLICATION
380048-1-1	APU GTCP85-98	BOEING 727
380678-1-1	APU GTCP85-98C	BOEING 727
380678-4-1	APU GTCP85-98C(C)	BOEING 727
380678-1-	APU GTCP85-98CK	BOEING 727
380678-3	APU GTCP85-98CK(B)	BOEING 727
380428-1-X	APU GTCP85-129	BOEING 737
380428-2-1	APU GTCP85-129A	BOEING 737
380428-3-1	APU GTCP85-129B	BOEING 737
380428-4-1	APU GTCP85-129C	BOEING 737
380428-9-1	APU GTCP85-129CK	BOEING 737
380428-13	APU GTCP85-129CKA	BOEING 737
380428-14	APU GTCP85-129CKB	BOEING 737
380428-5-1	APU GTCP85-129D	BOEING 737
380428-6-1	APU GTCP85-129E	BOEING 737
380428-7-1	APU GTCP85-129F	BOEING 737
380428-8-1	APU GTCP85-129G	BOEING 737

PART NUMBER	MODEL	APPLICATION
380428-10-1	APU GTCP85-129H	BOEING 737
380428-11-1	APU GTCP85-129J	BOEING 737
380428-12-1	APU GTCP85-129K	BOEING 737
380256-1-1	APU GTCP85-98D	BOEING DC-9
381015-1	APU GTCP85-98DCK	BOEING DC-9
3800368-1	APU GTCP85-98DC(B)	BOEING MD80
381276-1	APU GTCP85-98DHF	BOEING MD80
381276-2	APU GTCP85-98DHF(A)	BOEING MD80
381276-3	APU GTCP85-98DHF(B)	BOEING MD80
381276-4	APU GTCP85-98DHF(C)	BOEING MD80
372580	APU GTC85-90	COMM GRND CART
381066-1	APU GTCP85-184	COMM GRND CART
372980-200	APU GTCP85-291	COMM GRND CART
372980-300	APU GTCP85-291C	CONVAIR 540
372980-100	APU GTCP85-91C	CONVAIR STINGER
381252-1	APU GTCP85-185L	LOCKHEED L-100

GTCP85 CAPABILITY



GTCP85-129 SERIES ACCESSORIES

PART NO.	DESCRIPTION	AIRCRAFT APPLICATION
108032 – Series	Differential Pressure Regulator	B707, B727, B737, BAC1-11, CARA, DC-8, DC-9, F-28, G-22, GPU, L-382, MD80, MERCURE, TRIDENT, VFW-614, YS-11
109486 – Series	4" Load Control Valve	B707, B727, B737, DC-8, L100
129552 – Series	Pneumatic Thermostat	B707, B727, B737, BAC1-11, CARA, DC-8, DC-9, F-28, G-22, GPU, L-382, MD-80, MERCURE, TRIDENT, VFW-614, YS-11
152050 – Series	Aircraft Tubular Oil Cooler	B727, B737, BAC1-11, CARA, DC-9, MD-80, TRI 3B, TRI 1/2E
320362 - Series	Solenoid Shut off Valve	B707, B727, B737, B747, BAC1-11, DC-8, DC-9, F-28, G-22, L-100, MD-80
3601193 – Series	Fuel Atomizer	B707, B727, B737, B747, BAC1-11, CARA, CV-580, DC-8, DC-9, GPU, L-100, L-382, MD-80, MERCURE, TRIDENT, VFW-160A
3603701 – Series	Accessory Drive Gearcase Assembly	BAC1-11, MERCURE, TRI 1/2E, TRI 3B
3604524 – 54	Combustor Assembly	B737
3605812 – Series	Electrical Engine Starter	B707, B727, B737, BAC1-11, CARA, CV-580, DC-8, DC-9, F-28, G-22, GPU, L-100, L382, MD-80, MERCURE, TRIDENT, VFW-614
3609480 & 3615700	Centrifugal Multiple Switch Assembly	B707, B727, B737, BAC1-11, DC-8, DC-9, L-100, MD-80, TRIDENT
3617750 - Series	Fuel Control Unit	B-727, B737, BAC1-11, DC-9, MD-80
373048 - Series	Pressure Relief Valve Assembly	B707, B727, B737, BAC1-11, CARA, DC-8, DC-9, GPU, L-100, L382, MD-80, MERCURE, TRIDENT, VFW-160
397868 – 1	Surge Bleed Valve	B737, B777
692545 – Series	Solenoid Shut off Valve	B707, B727, B737, BAC1-11, BAE146, CARA, CV-580, CV-600/640, DC-8, DC-9, ELECTRA, F-28 FOKKER, G-222, GPU, L-100, L-382, MD-80, MERCURE, TRIDENT, VFW-614, YS-11
692993	Solenoid Shut off Valve	B707, B727, B737, BAC1-11, DC-8, DC-9, GPU, L-100, L-382, MD-80, MERCURE, TRIDENT, VFW160A/614, VISCOUNT, YS-11
698430 – 1	Low Oil Pressure Switch	B737
698430 – 2	Oil Sequence Switch	B737
9C4925822-100	Wire Harness	GTCP85-129H APU
737D-73269	Wire Harness	GTCP85-129C/E APU
9X4934747	Wire Harness	GTCP85 US AIRWAYS

GTCP85 CAPABILITY



ALL GTCP85 SERIES COMPONENT OVERHAUL

- Specialized Capability in Rotating Components
- ALL Hot Section Components
- ALL Compressor Components & Housings
- ALL Gearbox Housings and Gears
- Complete Accessory Repair for all other Parts & Housings
- **FAA/EASA approved DER Repairs**



GTCP85 CAPABILITY



GTCP85 TURBINE WHEEL

Work Scope:

- Crack removal
- Tip Grind
- Remove & Replace shaft
- Plasma spray
- Grind Journals
- Balance
- Tolerance: .0002"



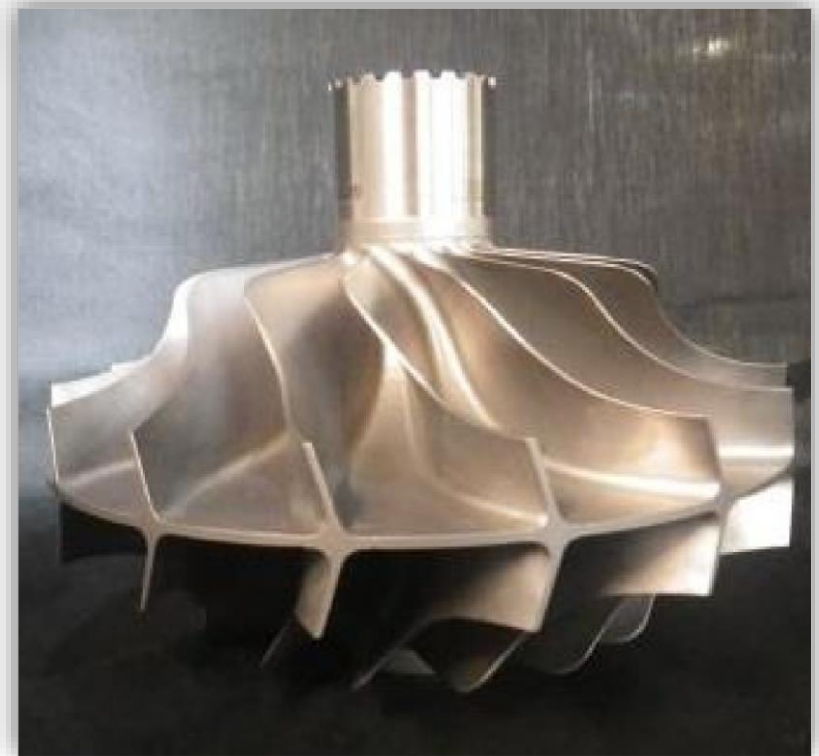
GTCP85 CAPABILITY



GTCP85 COMPRESSOR 1ST STAGE IMPELLER

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



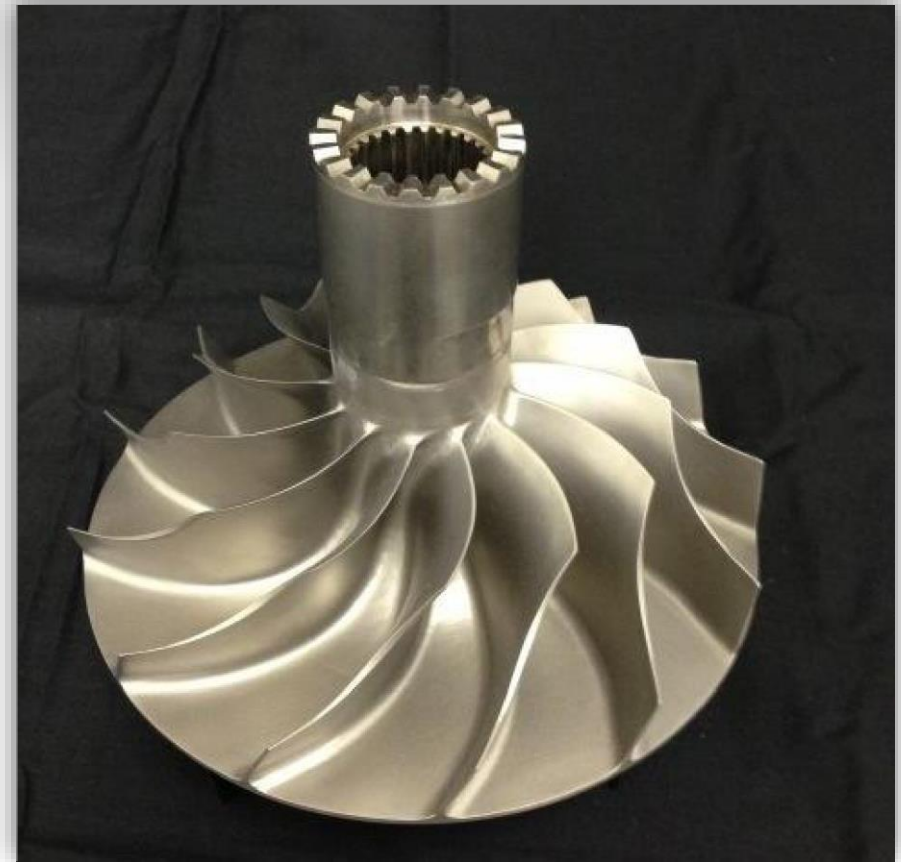
GTCP85 CAPABILITY



GTCP85 COMPRESSOR 1ST STAGE IMPELLER

Work Scope:

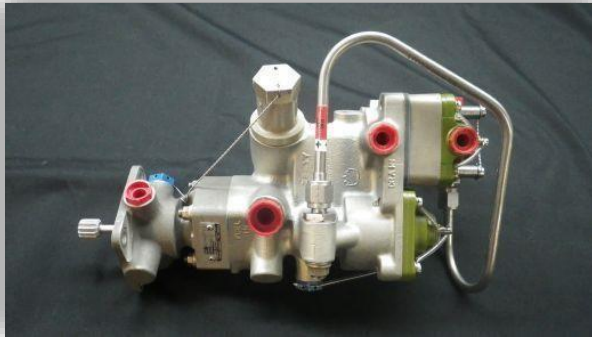
- Blade restoration
- Restore Curvic Coupling
- Restore seal diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved**
DER Repair



GTCP85 CAPABILITY



GTCP85 ACCESSORY OVERHAUL



Fuel Control



Atomizer



Combustor

GTCP85 CAPABILITY



GTCP85 ACCESSORY OVERHAUL



3 Way Valve



Load Control Valve

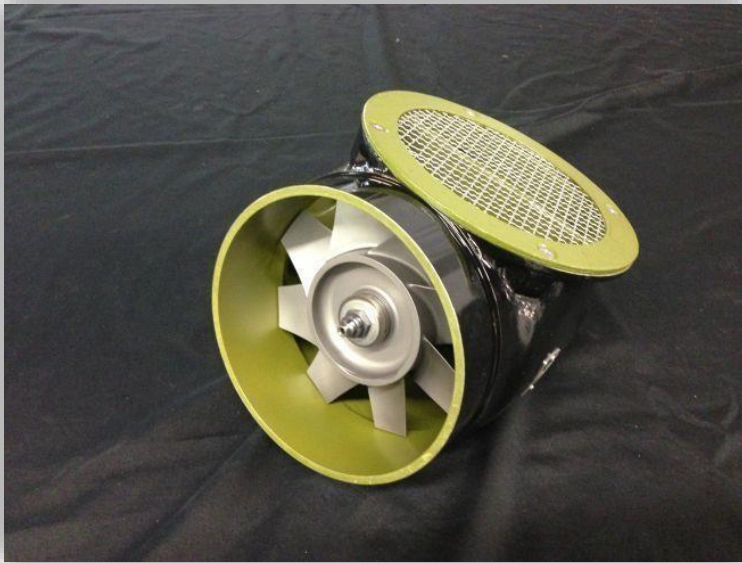


Surge Control Valve

GTCP85 CAPABILITY



GTCP85 ACCESSORY OVERHAUL



Cooling Fan



Oil Cooler

GTCP85 CAPABILITY



GTCP85 COMPRESSOR INLET HOUSING



GTCP85 CAPABILITY



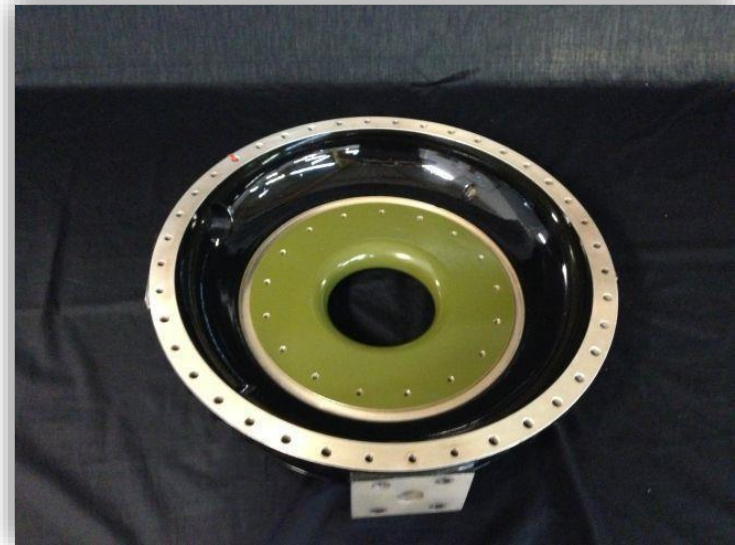
GTCP85 COMPRESSOR INTERSTAGE HOUSING



GTCP85 CAPABILITY



GTCP85 COMPRESSOR 2ND DIFFUSER HOUSING



GTCP85 CAPABILITY



GTCP85 COMPRESSOR JOURNAL BEARING HOUSING



GTCP85 CAPABILITY



GTCP85 GEARBOX HOUSING SET

ACCESSORY PAD SIDE



INPUT SIDE



GTCP85 CAPABILITY



GTCP85 HOT SECTION

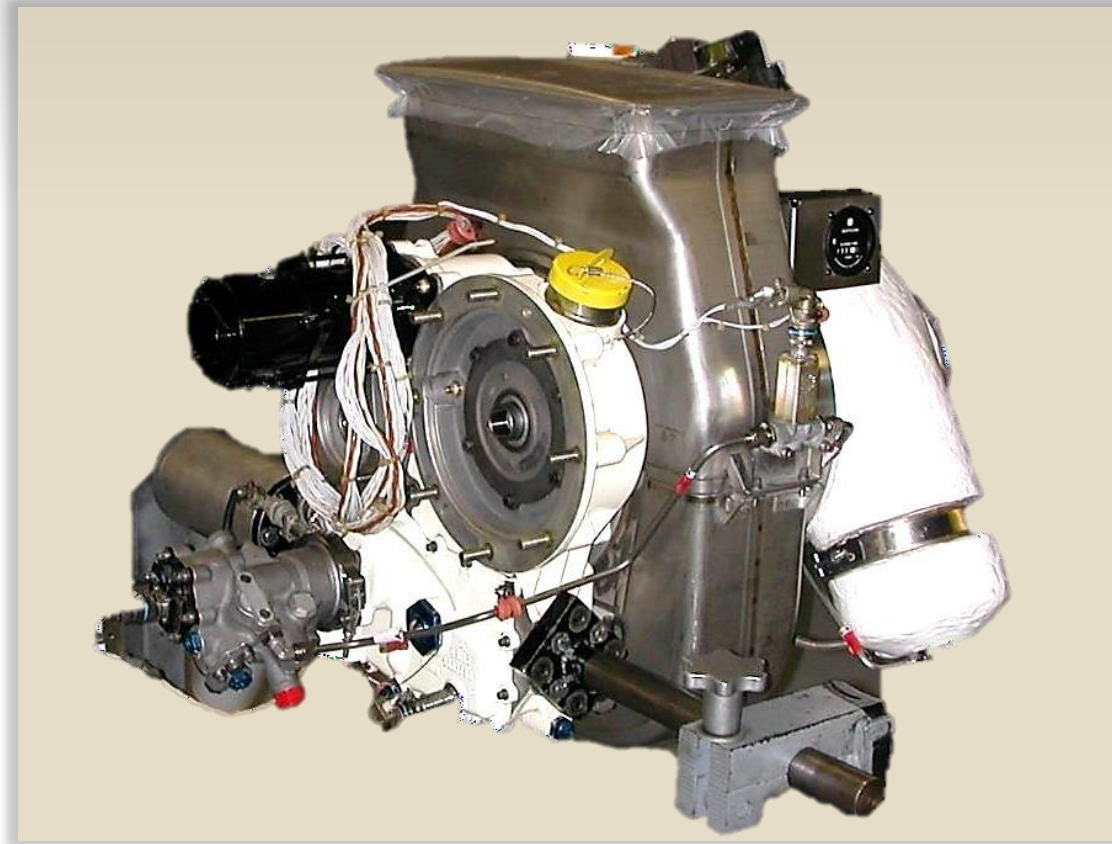
TORUS



COMBUSTION LINER



GTCP36 CAPABILITY

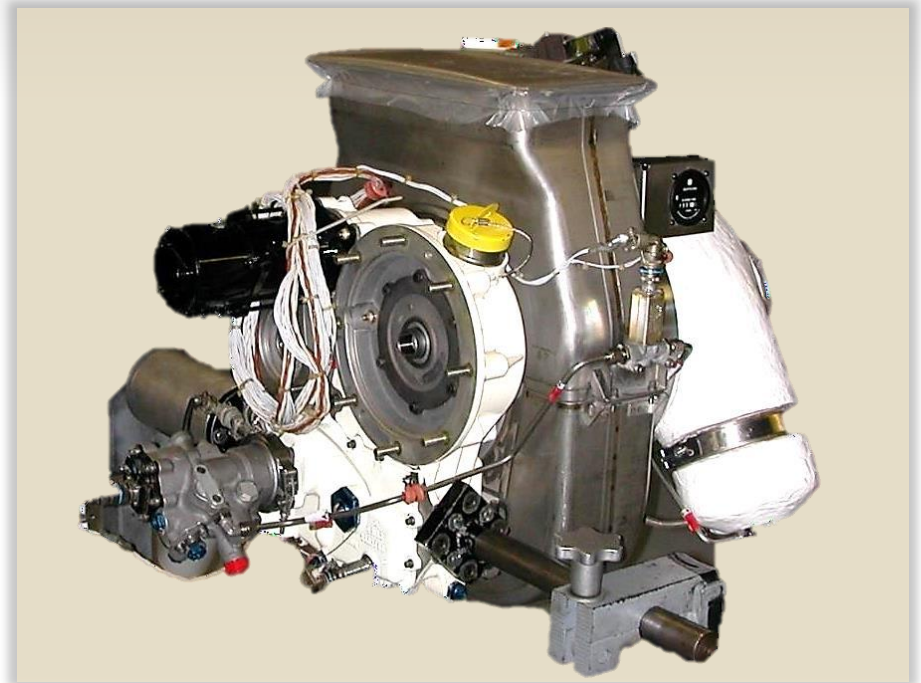


GTCP36 CAPABILITY



GTCP36 APU OVERHAUL & COMPONENT REPAIR

- GTCP36-50



GTCP36 CAPABILITY



GTCP36 COMPRESSOR ROTOR

Work Scope:

- Blade restoration
- Restore Curvic Coupling
- Restore diameters
- Restore locating diameters & surfaces
- Balance
- Tolerance: .0002"
- **FAA/EASA Approved
DER Repair**



GTCP36 CAPABILITY



GTCP36 FUEL CONTROL TORQUE MOTOR

Work Scope:

- Test
- Demagnetize
- Disassemble
- Fabricate
- Replace coils
- Assemble
- Magnetize
- Adjust flow & hysteresis
- **FAA/EASA Approved DER Repair**



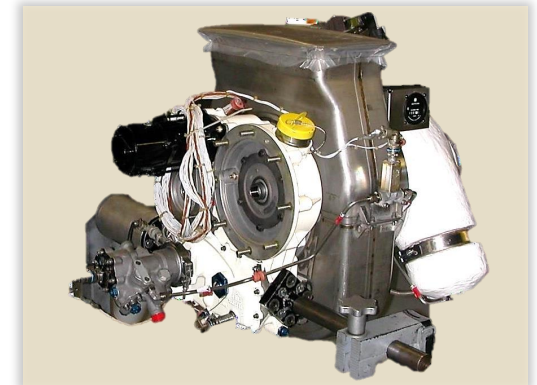
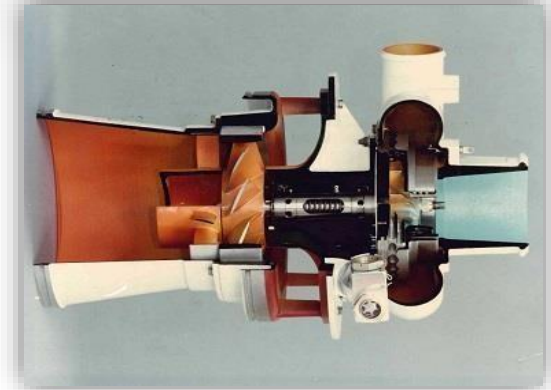


MILITARY
GROUND SUPPORT EQUIPMENT
PRODUCTS & SERVICES

GROUND SUPPORT EQUIPMENT



MILITARY GSE



GROUND SUPPORT EQUIPMENT



MILITARY GSE PRODUCTS & SERVICES

- Manufacture and Support of A/M32C-10C Air Cycle Air Conditioner
- Manufacture and support of A/M32A-60A Gas Generator.
- Manufacture and support for the MEP-362A Generator Set
- Manufacture and application of the TT10-1 Gas Turbine Engine
- Manufacture and Support of the next generation RACM (Roof Mounted Air Conditioner Module)
- Ground Power Unit GPU-290 ATS "Twin Pack"
- Ground Power Unit GPU-298 ATS "Twin Pack"
- Air Cycle Machine



GROUND SUPPORT EQUIPMENT



ATS A/M 32C-10C AIR CYCLE AIRCONDITIONER



AIR CYCLE AIR CONDITIONER

A/M 32C-10C Air Cycle Air Conditioner

This unique ground support system supplies conditioned air to aircraft on the ground when used in conjunction with an A/M 32A-60A ground start cart. The unit meets the overall requirements for ground mobility and air transportability, as well as performance and compatibility characteristics established by the USAF.

High Compatibility

The unit is compatible with a large number of front line aircraft. It can be used to supply conditioned air to the following aircraft: F-4, F-5, A-7, A-10, F-14, F-15, F-16, and F & RF-111. It can also be used for ground cabin-cooling of any large passenger aircraft.

Modular Construction

The unit is of modular construction consisting of a trailer, protective enclosure, air cycle turbine, heat exchangers, controls and ducts. Each part is designed to be removed quickly and easily using only elementary tools. This feature allows for rapid field service using relatively untrained personnel.

All Pneumatic Systems

An extensive thermodynamic study has been conducted to select an efficient cycle to meet the intended use of the system. The overall performance of the air conditioner at various conditions (per MIL-A-83089B) are listed on the back. Also, all control systems are pneumatic. There are no electrical systems in the unit, thus the only connections are air-in from the start cart and air-out to the aircraft.

Mobility & Versatility

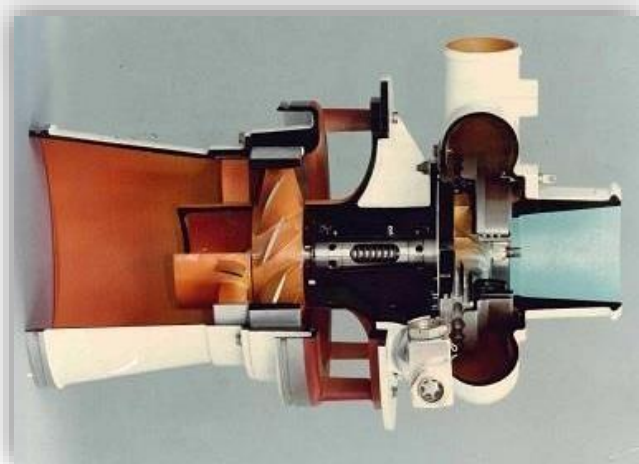
A lunette eye is provided at the front of the trailer for connection to a towing vehicle. The trailer is supplied with a retractable caster wheel bolted to the towbar to support the unit during operation. The caster is retracted during towing. A hand-brake is provided to lock the main trailer wheels to prevent movement during storage or while in operation. The unit is equipped with 4 rings which may be used either for sling lifting or for tie-down.



GROUND SUPPORT EQUIPMENT



ATS A/M 32C-10C AIRCONDITIONER



General Characteristics

NSN: 4120-01-101-4704

Feature

Unit

Overall Dimensions:

Length (less draw bar & pintle hook)	69 inches (175.3 cm)
Width	70 inches (177.8 cm)
Height	69 inches (175.3 cm)

Tire Size

Main Wheels	6.00 x 9, 6-ply
Pressure	30 psig
Retractable Caster	4.10 x 6
Pressure	30 psig

Towing Capabilities

Front	Lunette Eye
Rear	Pintle Hook
Maximum speed, paved highway	20 mph (32.2 km/h)
Maximum speed, graded gravel	10 mph (16.1 km/h)
Maximum speed, belgium block	8 mph (12.9 km/h)

Tiedown Provisions 4 rings

Parking Brake Mechanical, Hand

Primary Conditioner Air Output

Temperature	50° F to 200° F (10° C to 93° C)
Pressure	0-4 psig
Flow	16-95 ppm (7.3-43.2 kg/m)
Number of conditioned air ports	Two Per Unit
Conditioned air hoses, 8 inch diameter	Four, 15Ft. Lengths (4.6 m)

High Pressure Conditioned Air Output

Temperature	55° F to 200° F (13° C to 93° C)
Pressure	5 to 25 psig
Flow	0-15 ppm (0-6.8 k/m)
Number of conditioned air ports	One Per Unit
Conditioned air hose, 1 1/2 inch diameter	One, 50 Ft. Length (15 m)

Weight 1,500 pounds (682 kg)

GROUND SUPPORT EQUIPMENT



A/M 32A-60A GENERATOR SET



Specifications and Technical Data

A/M32A-60A GENERATOR SET

NSN 6115-00-420-8486



FEATURES

Self-propelled up to 4 miles per hour.
Negotiates inclines up to 15 degrees.
Towable to 20 miles per hour.
Rough Road Capability
High-ground Clearance
100 Gallon Fuel Tank
Automatic Engine Control
Automatic Electrical Power Regulation

Current limiting and soft start capabilities.
Fault Indicator
Modular Components
Gas Turbine Simplicity and Reliability
All hoses, cables, fittings, and attachments
included and stored aboard unit.
Aircraft grade components and wiring systems.

POWER OUTPUTS

AC Electrical: 60 kW, 3 Phase,
120/208 V, 400 Hz
DC Electrical: 28 V, 200 Amp Continuous
300 Amp Max.
Pneumatic: 150 bps/in. at 49 psia

OPERATING ENVELOPE

Ambient Temperature Range
Run: -55° to 125°F
Storage: -70° to 1160°F
Altitude: M.S.L. to 10,000 Ft
Humidity: 95% R.H.
Rain: 5-12" Hour
Shock: 10 g's

DIMENSIONS/WEIGHT

Height: 67-5/16"
Length: 104-3/4"
Width: 54-1/2"
Dry Weight: 2800 lbs

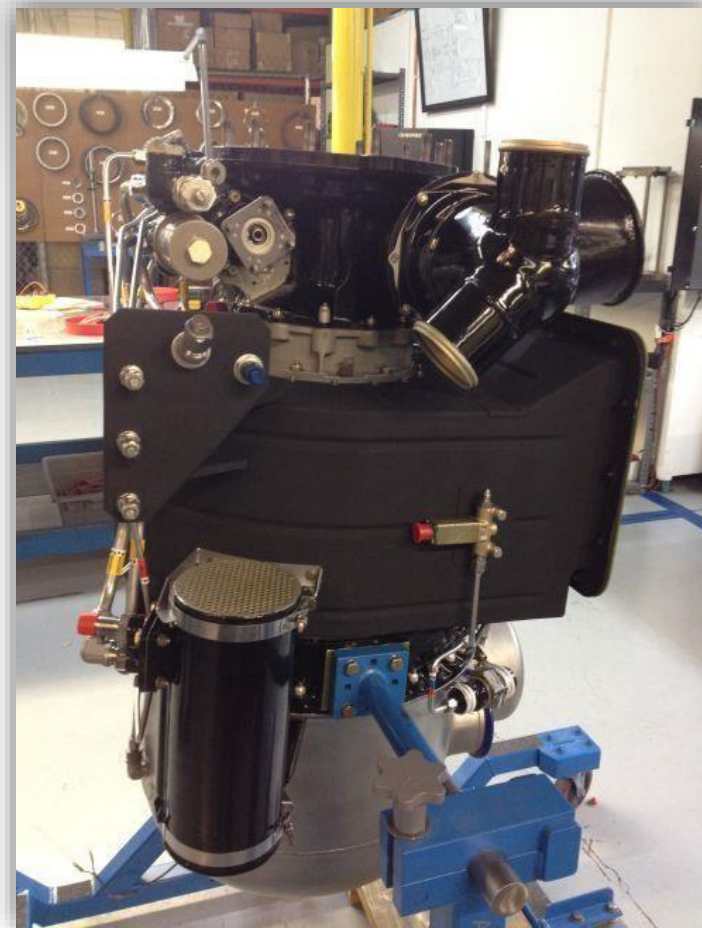
MIL-STANDARDS

Meets:
MIL-C-8658A
Quality System Requirements
MIL-STD-704
Aircraft Electrical Power
MIL-STD-883
ATS P/N 100002

GROUND SUPPORT EQUIPMENT



GENERATOR SET GTCP85-180 APU



GROUND SUPPORT EQUIPMENT



ATS MEP 362A 10KW 28 VDC GAS TURBINE ENGINE-DRIVEN GENERATOR SET



General Characteristics

Classification

Description: 10KW, 28 VDC

Model: MEP 362A

NSN: 6115-01-161-3992

Spec: Purchase Description
1 June 1982

Type: 1 Tactical

Class: 1 (precise)

Mode: IV (DC)

Physical Characteristics

Dimensions: 86 in. x 71 in. x 49 in. (218 cm x 180 cm x 122 cm)

Weight:

Mission Ready: 1,175 lb (533 kg)

Empty: 975 lb (402 kg)

Mobility: Fully housed. Mobile, trailer mounted. Manually relocated by two persons. Lifting and tie-down attachments provided.

Engine: Gas turbine. Horsepower 25* @ 50,300 rpm 24 VDC electric start. Operating speed: 50,300 rpm reduced to 12,000 rpm by gear box. Fuel tank capacity: 32 gallons (135 liters) (approximately 4 hours at average load). Fuel is contained in an integral tank, featuring direct read-out fuel contents gage. Solid-state control system.

Fuels: MIL-T-5624, Aviation Turbine Fuels, Grades JP4 and JP5 (Primary). Also MIL-T-83133, Aviation Turbine Fuel, Grade JP8; MIL-F-16884, Marine Diesel Fuel Oil; VV-F-800, Diesel Fuel Oils, Grades DF-1, DF-2, and DF-A.

Electrical Data: Brushless generator. Solid-state control system. Fungus and moisture treatment.

Voltage Connection: DC; 28 Volt, two wire.

Protective Devices:

- Overspeed protection
- Overtemperature protection
- Overvoltage protection
- Undervoltage protection
- Low oil pressure protection

Instrumentation:

- DC Voltmeter
- Output Ammeter
- Low Oil Pressure**
- Engine Overtemperature**
- Engine Overspeed**
- Generator Overload**
- Battery Charging Ammeter
- Hour Meter
- Generator Overvoltage**
- Generator Overtemperature**
- Generator Undervoltage**
- Ready to Load**
- Main Contractor Closed**
- Low Fuel**

*Derated from 75 HP for this application. **Indicator Lamps.

GROUND SUPPORT EQUIPMENT



ATS TT-10 GAS TURBINE ENGINE



TT10-1 Gas Turbine Engine

4210 N. Sullinger Ave • Tucson, AZ 85705 USA
(520) 888-1100 • Fax: (520) 888-5400

Performance Data

FUELS:

MIL-T-5624 (JP-4 & 5)
MIL-T-88133 (JP-8)
VV-F-800 (DF-1, DF-2 & DF-A)
MIL-F-16884 (Diesel Marine)

OILS:

MIL-L-7808,
MIL-L-23699 plus various commercial oils

OUTPUT PAD:

Single pad 12,000 rpm

ROTOR SPEED:

50,300 rpm

RATING:

75 hp

AMBIENT CONDITIONS:

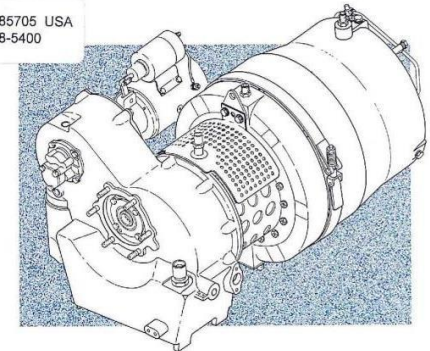
60°F at sea level

AIR FLOW ENGINE:

1.32 pps

OPERATING ENVIRONMENT:

Temperature — 65°F to 125°F
Altitude — sea level to 15,000 ft.



Installation Considerations

ELECTRICAL REQUIREMENTS:

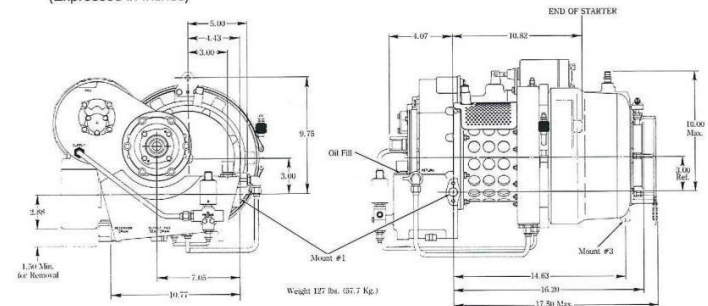
28 volt dc

FUEL REQUIREMENTS:

Pressure — 5 psi above true vapor
pressure (min) to 40 psi (max)

Dimensions

(Expressed in Inches)



GROUND SUPPORT EQUIPMENT



ROOF TOP AIR CONDITIONING MODULE (RACM)



AMERICAN TURBO SYSTEMS

Developed to a US Military specification by ATS this Ground Power Unit incorporates increased capability with improved maintainability, deployment capability and function over the A/M32C-10C air conditioner. Designed to be mounted on top of the A/M32A-60A without modification to or compromise of normal capability of the A/M32A-60A providing the customer with the equivalent performance of a CGAC System.

MILITARY GROUND SUPPORT ROOF MOUNTED AIR CONDITIONER MODULE

RACM NSN: 4120-01-475-2535 RP

American Turbo Systems P/N 3500000-1



R A C M MOUNTED ON A/M32A-60A

SPECS: 48" wide x 62" long x 18" high

Weight: 475 lbs approximate

Output: 100PPM at 3psig 95%RH 50 F- 200F

Conditions: SLC from -40 F to 125 F

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