



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Aviation Safety

17777 N. Perimeter Drive, Suite 103  
Scottsdale, AZ 85255

August 5, 2019

TDG Aerospace, Inc.  
Attn: Mr. Michael Baggett  
QA Manager  
2180 Chablis Ct., Suite 106  
Escondido, CA 92029

PQ2364NM

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

Dear Mr. Baggett:

In accordance with Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products and Articles, subpart K, the Federal Aviation Administration (FAA) has found the design data, as submitted by TDG Aerospace, Inc. (hereinafter referred to as "the Manufacturer") on August 5, 2019, meet the airworthiness requirements of 14 CFR applicable to the product(s) on which the article(s) is to be installed. Additionally, the FAA has determined the Manufacturer has established the quality system required by § 21.307 at 2180 Chablis Ct., Suite 106, Escondido, CA 92029. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in the enclosed supplement(s) in conformity with the FAA-approved design data. Subsequent changes to the design data must be approved in a manner acceptable to the FAA.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the Phoenix Manufacturing Inspection District Office (MIDO) Section prior to relocating or expanding manufacturing facilities from which articles are produced, including the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish articles or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.
3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

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Public availability to be determined under 5 U.S.C. 552

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. The name and title of the FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct-shipment authority;
- h. Results of the Manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent); and
- j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.

4. Articles, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any article or listed in the enclosed supplement unless:

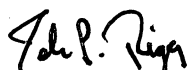
- a. That article or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or
- b. The FAA has determined the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA in advance when the use of such foreign suppliers is contemplated.

5. Articles produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45, Identification and Registration Marking, § 45.15. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, and the part number. If the FAA finds the article is too small or impractical to mark, the manufacturer must attach the information required by § 45.15 to the article or its container.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds the quality system is not being maintained. A withdrawal may occur if unsafe or nonconforming articles are accepted under the quality system.

7. The Phoenix MIDO Section must approve any changes to the address shown in this approval.
8. The Manufacturer must maintain its quality system in continuous compliance with the requirements of § 21.307. The Manufacturer also must ensure that each article conforms to the approved design data and is safe for installation on type-certificated products.
9. The Manufacturer has the privileges specified within the PMA letter and supplement. In addition, the Manufacturer is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs), in accordance with the provisions of part 183. The Manufacturer may be authorized to apply for and obtain an Organization Designation Authorization (ODA). Orders 8000.95 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.
10. The Manufacturer must report in a timely manner, to the Phoenix MIDO Section, information concerning service difficulties on any article produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.
11. All technical data required by § 21.303(a)(3), for the articles to be produced in accordance with this approval, must be readily available to the FAA at the facility where the articles are being produced.
12. The Manufacturer must notify the Phoenix MIDO Section, immediately in writing of any changes to the quality system that may affect the inspection, conformity, or airworthiness of the articles approved in this letter.
13. The Manufacturer must produce all articles in accordance with TDG Aerospace, Inc. Quality Manual, QS30000H, Rev. H, dated August 10, 2016, that has been presented as evidence of compliance with § 21.307. Accordingly, any revisions to the data must be submitted to the Phoenix MIDO Section for approval prior to implementation.

Sincerely,



John P. Rigg  
Aviation Safety  
Manager, Phoenix MIDO Section

Enclosure:  
Parts Manufacturer Approval Listing  
Supplement No. 1



U.S. Department  
of Transportation  
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QA Manager  
2180 Chablis Ct., Suite 106  
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FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Baggett:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the Federal Aviation Administration (FAA) has found that the design data, based on Supplemental Type Certificate, submitted by TDG Aerospace, Inc., with your letter dated August 5, 2019, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that TDG Aerospace, Inc., has established the quality system required by § 21.307 at 2180 Chablis Ct., Suite 106, Escondido, CA 92029. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 1.

You are reminded that the provisions of 14 CFR, parts 21 and 45, apply to the enclosed PMA Listing-Supplement No. 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

John P. Rigg  
Aviation Safety  
Manager, Phoenix MIDO Section



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**TDG Aerospace, Inc.  
2180 Chablis Ct., Suite 106  
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**PMA NO.: PQ2364NM  
SUPPLEMENT NO.: 1  
DATE: August 5, 2019**

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
NOFOD, Overwing Anti-Ice System	MDL E93-104	Modification Part	STC SA6042NM <u>DWG No.:</u> MDL E93-104 <u>Rev:</u> E <u>Dated:</u> 8/16/93 or later FAA-approved revisions	Boeing	DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88
UFI 3000 Universal Fault Interrupter	10-3000-0001	Modification Part	STC ST01844LA Reference: <u>DWG No.:</u> MDL 10-3000-0023 <u>Rev:</u> C <u>Dated:</u> 11/14/05 or later FAA-approved revisions	Boeing	737-300 Series
UFI 757 Installation Kit	10-3200-0001	Modification Part	STC ST01950LA <u>DWG No.:</u> MDL 10-3200-0009 <u>Rev:</u> C <u>Dated:</u> 1/11/07 or later FAA-approved revisions	Boeing	757-200 Series 757-300 Series
UFI 737NG Installation Kit	10-3202-0001	Modification Part	STC ST02076LA <u>DWG No.:</u> MDL 10-3202-0009 <u>Rev:</u> A <u>Dated:</u> 9/20/07 or later FAA-approved revisions	Boeing	737-600 Series 737-700 Series 737-700C Series 737-800 Series 737-900 Series
UFI 767 Installation Kit	10-3206-0001	Modification Part	STC ST02285LA <u>DWG No.:</u> MDL 10-3206-0002 <u>Rev:</u> B <u>Dated:</u> 3/18/10 or later FAA-approved revisions	Boeing	767-200 767-300 767-300F



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**PMA NO.: PQ2364NM  
SUPPLEMENT NO.: 1  
DATE: August 5, 2019**

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
UFI MD80 Installation Kit	10-3210-0001	Modification Part	STC ST02502LA DWG No.: MDL 10-3210-0002 Rev: B Dated: Feb 25, 2014 or later FAA-approved revisions	Boeing	DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), DC-9-88 (MD-88), MD-90-30

-----END OF LISTING-----

**Note:** The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.

John P. Rigg  
Aviation Safety  
Manager, Phoenix MIDO Section