

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Turbine Kinetics, Inc.
A HEICO Aerospace Company
60 Sequin Drive
Glastonbury, CT 06033

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|------------------------|---------------|
| PMA NO.: | PQ0816NE |
| SUPPLEMENT No.: | ODA-TK-019 |
| DATE: | March 3, 2016 |

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|--|--------------------|--|--|----------------------|--------------------------|
| Link, Flexible, Lever to Movable Panel | 91E091-00DEC | Safran P/N: 91E091-00 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 91E091-00DEC, Rev.: B, Dated: 11/7/14, or later FAA approved revisions. | Airbus | A330-243 |
| | | | | | A330-243F |
| | | | | | A330-341 |
| | | | | | A330-342 A330-343 |
| Cable-Flex Drive | 491B1200036-001DEC | Middle River Aircraft Systems P/N: 491B1200036-001 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 491B1200036-001DEC, Rev.: C, Dated: 8/14/15, or later FAA approved revisions. <u>NOTE:</u> AMOC Required | General Electric | CF6-80C2B1 |
| | | | | | CF6-80C2B2 |
| | | | | | CF6-80C2B4 |
| | | | | | CF6-80C2B6 |
| | | | | | CF6-80C2B1F |
| | | | | | CF6-80C2B2F |
| | | | | | CF6-80C2B4F |
| | | | | | CF6-80C2B6F |
| | | | | | CF6-80C2B7F |
| | | | | | CF6-80C2B6FA |
| CF6-80C2B5F | | | | | |
| CF6-80C2B8F | | | | | |
| Cable-Flex Drive | 491B1200036-002DEC | Middle River Aircraft Systems P/N: 491B1200036-002 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 491B1200036-002DEC, Rev.: C, Dated: 8/14/15, or later FAA approved revisions. <u>NOTE:</u> AMOC Required | General Electric | CF6-80C2B1 |
| | | | | | CF6-80C2B2 |
| | | | | | CF6-80C2B4 |
| | | | | | CF6-80C2B6 |
| | | | | | CF6-80C2B1F |
| | | | | | CF6-80C2B2F |
| | | | | | CF6-80C2B4F |
| | | | | | CF6-80C2B6F |
| | | | | | CF6-80C2B7F |
| | | | | | CF6-80C2B6FA |
| CF6-80C2B5F | | | | | |
| CF6-80C2B8F | | | | | |

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| Seal-Flexible Shaft | 3238749-1DEC | Middle River Aircraft Systems P/N: 3238749-1 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238749-1DEC, Rev.: C, Dated: 9/29/15, or later FAA approved revisions. <u>NOTE:</u> AMOC Required | General Electric | CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B6F CF6-80C2B7F CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F |

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| Seal | 3051-1048DEC | CFM International P/N: 3051-1048 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1048DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5 CFM56-5-A1/F CFM56-5A3 CFM56-5A4 CFM56-5A4/F CFM56-5A5 CFM56-5A5/F CFM56-5B1 CFM56-5B1/P CFM56-5B1/2P CFM56-5B2 CFM56-5B1/3 CFM56-5B2/3 CFM56-5B3/3 CFM56-5B3/3B1 CFM56-5B2/P CFM56-5B2/2P CFM56-5B3/P CFM56-5B3/P1 CFM56-5B4/3 CFM56-5B4/3B1 CFM56-5B5/3 CFM56-5B6/3 CFM56-5B3/2P CFM56-5B3/2P1 CFM56-5B4 CFM56-5B4/P CFM56-5B4/P1 CFM56-5B4/2P CFM56-5B4/2P1 CFM56-5B5 CFM56-5B5/P CFM56-5B6 CFM56-5B6/P CFM56-5B6/2P CFM56-5B7 CFM56-5B7/P CFM56-5B8/P CFM56-5B9/P CFM56-5B7/3 CFM56-5B8/3 CFM56-5B9/3 CFM56-5B9/2P |

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| Seal | 3051-1048DEC | CFM International P/N: 3051-1048 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1048DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5C2 CFM56-5C2/4 CFM56-5C2/F CFM56-5C2/G CFM56-5C2/G4 CFM56-5C2/P CFM56-5C3/F CFM56-5C3/F4 CFM56-5C3/G CFM56-5C3/G4 CFM56-5C3/P CFM56-5C4 CFM56-5C4/P CFM56-5C4/1 CFM56-5C4/1P |

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| Seal, Trapezoidal | 3051-1049DEC | CFM International P/N: 3051-1049 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1049DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5 CFM56-5-A1/F CFM56-5A3 CFM56-5A4 CFM56-5A4/F CFM56-5A5 CFM56-5A5/F CFM56-5B1 CFM56-5B1/P CFM56-5B1/2P CFM56-5B2 CFM56-5B1/3 CFM56-5B2/3 CFM56-5B3/3 CFM56-5B3/3B1 CFM56-5B2/P CFM56-5B2/2P CFM56-5B3/P CFM56-5B3/P1 CFM56-5B4/3 CFM56-5B4/3B1 CFM56-5B5/3 CFM56-5B6/3 CFM56-5B3/2P CFM56-5B3/2P1 CFM56-5B4 CFM56-5B4/P CFM56-5B4/P1 CFM56-5B4/2P CFM56-5B4/2P1 CFM56-5B5 CFM56-5B5/P CFM56-5B6 CFM56-5B6/P CFM56-5B6/2P CFM56-5B7 CFM56-5B7/P CFM56-5B8/P CFM56-5B9/P CFM56-5B7/3 CFM56-5B8/3 CFM56-5B9/3 CFM56-5B9/2P |

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| Seal, Trapezoidal | 3051-1049DEC | CFM International P/N: 3051-1049 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1049DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5C2 CFM56-5C2/4 CFM56-5C2/F CFM56-5C2/G CFM56-5C2/G4 CFM56-5C2/P CFM56-5C3/F CFM56-5C3/G CFM56-5C3/G4 CFM56-5C3/P CFM56-5C4 CFM56-5C4/P CFM56-5C4/1 CFM56-5C4/1P |

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| Seal, Trapezoidal | 3051-1050DEC | CFM International P/N: 3051-1050 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1050DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5 CFM56-5-A1/F CFM56-5A3 CFM56-5A4 CFM56-5A4/F CFM56-5A5 CFM56-5A5/F CFM56-5B1 CFM56-5B1/P CFM56-5B1/2P CFM56-5B2 CFM56-5B1/3 CFM56-5B2/3 CFM56-5B3/3 CFM56-5B3/3B1 CFM56-5B2/P CFM56-5B2/2P CFM56-5B3/P CFM56-5B3/P1 CFM56-5B4/3 CFM56-5B4/3B1 CFM56-5B5/3 CFM56-5B6/3 CFM56-5B3/2P CFM56-5B3/2P1 CFM56-5B4 CFM56-5B4/P CFM56-5B4/P1 CFM56-5B4/2P CFM56-5B4/2P1 CFM56-5B5 CFM56-5B5/P CFM56-5B6 CFM56-5B6/P CFM56-5B6/2P CFM56-5B7 CFM56-5B7/P CFM56-5B8/P CFM56-5B9/P CFM56-5B7/3 CFM56-5B8/3 CFM56-5B9/3 CFM56-5B9/2P |

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| Seal, Trapezoidal | 3051-1050DEC | CFM International P/N: 3051-1050 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1050DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5C2 CFM56-5C2/4 CFM56-5C2/F CFM56-5C2/G CFM56-5C2/G4 CFM56-5C2/P CFM56-5C3/F CFM56-5C3/G CFM56-5C3/G4 CFM56-5C3/P CFM56-5C4 CFM56-5C4/P CFM56-5C4/1 CFM56-5C4/1P |

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| Seal | 3051-1052DEC | CFM International P/N: 3051-1052 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1052DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5 CFM56-5-A1/F CFM56-5A3 CFM56-5A4 CFM56-5A4/F CFM56-5A5 CFM56-5A5/F CFM56-5B1 CFM56-5B1/P CFM56-5B1/2P CFM56-5B2 CFM56-5B1/3 CFM56-5B2/3 CFM56-5B3/3 CFM56-5B3/3B1 CFM56-5B2/P CFM56-5B2/2P CFM56-5B3/P CFM56-5B3/P1 CFM56-5B4/3 CFM56-5B4/3B1 CFM56-5B5/3 CFM56-5B6/3 CFM56-5B3/2P CFM56-5B3/2P1 CFM56-5B4 CFM56-5B4/P CFM56-5B4/P1 CFM56-5B4/2P CFM56-5B4/2P1 CFM56-5B5 CFM56-5B5/P CFM56-5B6 CFM56-5B6/P CFM56-5B6/2P CFM56-5B7 CFM56-5B7/P CFM56-5B8/P CFM56-5B9/P CFM56-5B7/3 CFM56-5B8/3 CFM56-5B9/3 CFM56-5B9/2P |

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| Seal | 3051-1052DEC | CFM International P/N: 3051-1052 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3051-1052DEC, Rev.: B, Dated: 1/5/16, or later FAA approved revisions. | CFM International | CFM56-5C2 CFM56-5C2/4 CFM56-5C2/F CFM56-5C2/G CFM56-5C2/G4 CFM56-5C2/P CFM56-5C3/F CFM56-5C3/F4 CFM56-5C3/G CFM56-5C3/G4 CFM56-5C3/P CFM56-5C4 CFM56-5C4/P CFM56-5C4/1 CFM56-5C4/1P |

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| Limiters Deflection | 7066M26P02DEC | Middle River Aircraft Systems P/N: 7066M26P02 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 7066M26P02DEC, Rev.: C, Dated: 4/13/15, or later FAA approved revisions. | Airbus | A330-201 A330-202 A330-203 A330-301 A330-302 A330-303 A300, Model B2-1C A300, Model B4-2C A300, Model B2K-3C A300, Model B4-103 A300, Model B2-203 A300, Model B4-203 A310, Model 204 A310, Model 221 A310, Model 222 A310, Model 203 A310, Model 322 A310, Model 324 A310, Model 304 A310, Model 325 A300, Model B4-601 A300, Model B4-603 A300, Model B4-620 A300, Model B4-605R A300, Model B4-622R A300, Model F4-605R A300, Model F4-622R A300, Model B4-622 A300, Model C4-605R Variant F |

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| Limiter Deflection | 7066M26P02DEC | Middle River Aircraft Systems P/N: 7066M26P02 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 7066M26P02DEC, Rev.: C, Dated: 4/13/15, or later FAA approved revisions. | Boeing | 747-200B Series 747-200F Series 747-200C Series 747SR Series 747-300 Series 747-400 Series 747-400D Series 747-400F Series 767-200 Series 767-300 Series 767-300F Series DC-10-10 DC-10-30 DC-10-30F (KC-10A, KDC-10) DC-10-10F MD-11 MD-10-10F MD-10-30F |

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| Disk-Deflection Limiter | 1314M14P01DEC | Middle River Aircraft Systems P/N: 1314M14P01 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 1314M14P01DEC, Rev.: C, Dated: 4/13/15, or later FAA approved revisions. | Airbus | A330-201 A330-202 A330-203 A330-301 A330-302 A330-303 A300, Model B2-1C A300, Model B4-2C A300, Model B2K-3C A300, Model B4-103 A300, Model B2-203 A300, Model B4-203 A310, Model 204 A310, Model 221 A310, Model 222 A310, Model 203 A310, Model 322 A310, Model 324 A310, Model 304 A310, Model 325 A300, Model B4-601 A300, Model B4-603 A300, Model B4-620 A300, Model B4-605R A300, Model B4-622R A300, Model F4-605R A300, Model F4-622R A300, Model B4-622 A300, Model C4-605R Variant F |

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| Disk-Deflection Limiter | 1314M14P01DEC | Middle River Aircraft Systems P/N: 1314M14P01 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 1314M14P01DEC, Rev.: C, Dated: 4/13/15, or later FAA approved revisions. | Boeing | 747-200B Series 747-200F Series 747-200C Series 747SR Series 747-300 Series 747-400 Series 747-400D Series 747-400F Series 767-200 Series 767-300 Series 767-300F Series DC-10-10 DC-10-30 DC-10-30F (KC-10A, KDC-10) DC-10-10F MD-11 MD-10-10F MD-10-30F |
| Bellows Assembly | 88504DEC | Goodrich Aerostructures P/N: 88504 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 88504DEC, Rev.: D, Dated: 2/25/16, or later FAA approved revisions. | Airbus | A340-211 A340-212 A340-213 A340-311 A340-312 A340-313 |
| Shaft-Flexible Drive | CH1543-0003-01DEC | Goodrich Actuation Systems P/N: CH1543-0003-01 | Tests and Computations per 14 CFR § 21.303, Dwg No.: CH1543-0003-01DEC, Rev.: C, Dated: 8/31/15, or later FAA approved revisions. | Airbus | A319 Model -131 A319 Model -132 A319 Model -133 A320 Model -231 A320 Model -232 A320 Model -233 A321 Model -131 A321 Model -231 A321 Model -232 |

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| Housing Assembly | DEC09-079-501 | Pratt & Whitney P/N: 472592 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC09-079, Rev.: C, Dated: 2/21/06, or later FAA approved revisions. | Pratt & Whitney | JT8D-1 JT8D-1A JT8D-1B JT8D-7 JT8D-7A JT8D-7B JT8D-9 JT8D-9A JT8D-11 JT8D-15 JT8D-15A JT8D-17 JT8D-17A JT8D-17R JT8D-17AR JT8D-209 JT8D-217 JT8D-217A JT8D-217C JT8D-219 |
| Nut-Special | DEC39-252-501 | Honeywell P/N: 3236431-1 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-252, Rev.: F, Dated: 9/9/11, or later FAA approved revisions. | General Electric | CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A5F CF6-80C2A8 CF6-80C2B1 CF6-80C2B1F CF6-80C2B2 CF6-80C2B2F CF6-80C2B4 CF6-80C2B4F CF6-80C2B5F CF6-80C2B6 CF6-80C2B6F CF6-80C2B6FA CF6-80C2B7F CF6-80C2B8F CF6-80C2D1F |

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| Sleeve-Outer | DEC39-263-501 | Honeywell P/N: 3238329-23 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-263, Rev.: C, Dated: 8/02/10, or later FAA approved revisions. | General Electric | CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A5F CF6-80C2A8 CF6-80C2B1 CF6-80C2B1F CF6-80C2B2 CF6-80C2B2F CF6-80C2B4 CF6-80C2B4F CF6-80C2B5F CF6-80C2B6 CF6-80C2B6F CF6-80C2B6FA CF6-80C2B7F CF6-80C2B8F CF6-80C2D1F |
| Gasket | DEC47-003-501 | International Aero Engines P/N: 2A1226 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC47-003, Rev.: – , Dated: 6/11/04, or later FAA approved revisions. | International Aero Engines | V2500-A1 V2522-A5 V2524-A5 V2525-D5 V2527-A5 V2527E-A5 V2528-D5 V2530-A5 V2533-A5 |
| Seal, Face | DEC56T178 | Pratt & Whitney P/N: 56T178 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC56T178, Rev.: D, Dated: 11/12/14, or later FAA approved revisions. | Pratt & Whitney | PW4074 PW4074D PW4077 PW4077D PW4084D PW4090 PW4090D PW4098 PW4164 PW4168 PW4168A |

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Turbine Kinetics, Inc.
A HEICO Aerospace Company
60 Sequin Drive
Glastonbury, CT 06033

| | |
|------------------------|---------------|
| PMA NO.: | PQ0816NE |
| SUPPLEMENT No.: | ODA-TK-019 |
| DATE: | March 3, 2016 |

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|--------------------|----------------|---|---|----------------------|--------------------------|
| Retainer | DEC59-004-003 | Boeing P/N: 314N3310-11 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |
| Fireseal, Fwd | DEC59-004-005 | Boeing P/N: 314N3310-17 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |
| Fireseal, Aft | DEC59-004-007 | Boeing P/N: 314N3310-16 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |
| Fireseal, Aft | DEC59-004-009 | Boeing P/N: 314N3310-33 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |
| Fire Seal Assembly | DEC59-004-501 | Boeing P/N: 314N3310-22 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Turbine Kinetics, Inc.
 A HEICO Aerospace Company
 60 Sequin Drive
 Glastonbury, CT 06033

| | |
|------------------------|----------------------|
| PMA NO.: | <u>PQ0816NE</u> |
| SUPPLEMENT No.: | <u>ODA-TK-019</u> |
| DATE: | <u>March 3, 2016</u> |

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|--------------------|----------------|---|---|----------------------|--------------------------|
| Fire Seal Assembly | DEC59-004-503 | Boeing P/N: 314N3310-32 | Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC59-004, Rev.: G, Dated: 4/15/15, or later FAA approved revisions. | Boeing | 757-200 Series |

----- End of Listing -----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.319 and 21.619) and major design changes (reference 14 CFR part 21 §§ 21.319 and 21.619) to drawings and specifications must be accomplished in accordance with the FAA approved HEICO PMA ODA Procedures Manual.



 Marco Cuberos
 PMA ODA administrator
 HEICO Aerospace Corporation

MARCH 3, 2016

 Date

This Supplement is an attachment to FAA-PMA approval letter dated March 28, 2001

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

DEC Technologies, Inc.
A HEICO Aerospace Company
136 Industrial Park Road
Piney Flats, Tennessee 37686

| | |
|------------------------|--------------------|
| PMA NO.: | PQ1469CE |
| SUPPLEMENT No.: | ODA-DT-047 |
| DATE: | September 29, 2015 |
| REVISION No.: | 1 |
| REVISION DATE: | February 10, 2016 |

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|------------------|--------------------|--|---|----------------------|---|
| Cable-Flex Drive | 491B1200036-001DEC | Middle River Aircraft Systems P/N: 491B1200036-001 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 491B1200036-001DEC, Rev.: C, Dated: 8/14/15, or later FAA approved revisions. <u>NOTE:</u> AMOC Required | General Electric | CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B6F CF6-80C2B7F CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F |
| Cable-Flex Drive | 491B1200036-002DEC | Middle River Aircraft Systems P/N: 491B1200036-002 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 491B1200036-002DEC, Rev.: C, Dated: 8/14/15, or later FAA approved revisions. <u>NOTE:</u> AMOC Required | General Electric | CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B6F CF6-80C2B7F CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F |

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

DEC Technologies, Inc.
 A HEICO Aerospace Company
 136 Industrial Park Road
 Piney Flats, Tennessee 37686

| | |
|------------------------|---------------------------|
| PMA NO.: | <u>PQ1469CE</u> |
| SUPPLEMENT No.: | <u>ODA-DT-047</u> |
| DATE: | <u>September 29, 2015</u> |
| REVISION No: | <u>1</u> |
| REVISION DATE: | <u>February 10, 2016</u> |

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|----------------------------|----------------|--|--|----------------------|---|
| Seal-Flexible Shaft | 3238749-1DEC | Middle River Aircraft Systems P/N: 3238749-1 | Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238749-1DEC, Rev.: B, Dated: 7/9/15, or later FAA approved revisions. | General Electric | CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B6F CF6-80C2B7F CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F |
| <u>NOTE: AMOC Required</u> | | | | | |

----- End of Listing -----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.319 and 21.619) and major design changes (reference 14 CFR part 21 §§ 21.319 and 21.619) to drawings and specifications must be accomplished in accordance with the FAA approved HEICO PMA ODA Procedures Manual.

 Marco Cuberos
 PMA ODA administrator
 HEICO Aerospace Corporation

 FEBRUARY 10, 2016

Date

This Supplement is an attachment to FAA-PMA approval letter dated June 23, 2006



U.S. Department
of Transportation
**Federal Aviation
Administration**

**Aircraft Certification Service
Transport Airplane Directorate**

Seattle Aircraft Certification Office
1601 Lind Avenue SW
Renton, WA 98057

AUG 26 2016

In Reply
Refer To: 140S-16-53

Mr. Kevin Keating
Director of Engineering
Turbine Kinetics
60 Sequin Drive
Glastonbury, CT 06033

Dear Mr. Keating:

Subject: Approval of an Alternative Method of Compliance (AMOC) to Airworthiness Directive (AD) 2014-05-16 for Turbine Kinetics (TK) Parts Manufacturer Approval (PMA) for the Short Flexshaft Installed on the Thrust Reverser of Boeing Model 747 and 767 Series Airplanes Powered by General Electric (GE) CF6-80C2 Engine Models

References: (1) Turbine Kinetics AMOC request letter, dated March 9, 2016
(2) AD 2014-05-16
(3) Middle River Aircraft Systems (MRAS) CF6-80C2B Service Bulletin (SB) 78-1168 Revision 2, dated April 19, 2011

The Federal Aviation Administration (FAA) has received your reference (1) letter requesting approval of an AMOC to paragraph (g) of the reference (2) AD. The reference (2) AD was issued to prevent an uncommanded in-flight thrust reverser deployment and consequent loss of control of the airplane. Paragraph (g) of that AD requires the operator to replace the short flexshaft on each thrust reverser half of each engine with a new short flexshaft in accordance with the Accomplishment Instructions of Boeing Alert SB 747-78A2185, dated October 26, 2010; or Boeing Alert SB 767-78A0100, dated October 26, 2010, as applicable; or the reference (3) SB.

You have stated that TK has obtained a PMA to replace the MRAS short flexshaft Part Numbers (P/N) 491B1200036-001 and -002 introduced by the reference (3) SB. That PMA approval was based on the Test and Computations methodology and the FAA found that the TK PMA articles were equivalent in design, materials, and construction to the MRAS articles.

You are requesting an approval to replace the MRAS short flexshafts with the TK PMA short flexshafts when accomplishing the reference (3) SB for each thrust reverser half of each engine.

We reviewed the data you submitted to the FAA under the PMA project and determined the substitution of TK PMA short flexshafts in place of the original flexshafts will provide an acceptable level of safety based on your demonstrations of similarity of the part designs.

We approve the use of TK PMA short flexshaft P/N 491B1200036-001DEC as a replacement to the MRAS short flexshaft P/N 491B1200036-001 when accomplishing the short flexshaft replacement in accordance with the reference (3) SB as an AMOC to paragraph (g) of the reference (2) AD.

We also approve the use of TK PMA short flexshaft P/N 491B1200036-002DEC as a replacement to the MRAS short flexshaft P/N 491B1200036-002 when accomplishing the short flexshaft replacement in accordance with the reference (3) SB as an AMOC to paragraph (g) of the reference (2) AD.

In accordance with FAA Order 8110.103, the following conditions apply:

1. All provisions of the reference (2) AD that are not specifically referenced above remain fully applicable and must be complied with accordingly.
2. This approval is applicable only to the Boeing Model 747-200B/300/400/400D/400F and 767-200/300/300F/400ER series airplanes powered by GE CF6-80C2 engines.
3. This approval is transferable with airplanes to other operators.
4. Before using this AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.
5. The Seattle Aircraft Certification Office (ACO) will revoke this AMOC if Seattle ACO later determines that this AMOC does not provide an acceptable level of safety.

Should you have any questions, please contact this office or Mr. Tung Tran at telephone number (425) 917-6505 fax number (425) 917-6590, or email at Tung.Tran@faa.gov.

Sincerely,



✓ Ross Landes
Manager, Seattle Aircraft
Certification Office