



## PMA Supplements Index:

ARTICLE NUMBER	ARTICLE NAME	PMA SUPP.	DATE ISSUED
DEC39-166-503	SHAFT ASSY FLEXIBLE	TK60	JUNE 10, 2002
DEC39-166-527		TK166R	FEB 15, 2006
		ODA-TK-010	FEB 18, 2016

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

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

<b>PMA NO.:</b>	<u>PQ0816NE</u>
<b>SUPPLEMENT No.:</b>	<u>ODA-TK-010</u>
<b>DATE:</b>	<u>February 18, 2016</u>

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal-HPC, 13STG	50S158DEC	Pratt & Whitney P/N: 50S158	Tests and Computations per 14 CFR § 21.303, Dwg No.: 50S158DEC, Rev.: B, Dated: 5/19/15, or later FAA approved revisions.  <u>NOTE: AMOC Required</u>	Pratt & Whitney	PW4050 PW4050(-3) PW4052 PW4052(-3) PW4056 PW4056(-3) PW4060 PW4060(-3) PW4060A PW4060A(-3) PW4060C PW4062(-3) PW4062A(-3) PW4152 PW4152(-3) PW4156A PW4156A(-3) PW4158 PW4158(-3) PW4460 PW4460(-3) PW4462 PW4462(-3)  PW4164 PW4168 PW4168A PW4170

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<b>SUPPLEMENT No.:</b>	<u>ODA-TK-010</u>
<b>DATE:</b>	<u>February 18, 2016</u>

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal-HPC, 14STG	50S159DEC	Pratt & Whitney P/N: 50S159	Tests and Computations per 14 CFR § 21.303, Dwg No.: 50S159DEC, Rev.: B, Dated: 5/19/15, or later FAA approved revisions.  <u>NOTE:</u> AMOC Required	Pratt & Whitney	PW4050 PW4050(-3) PW4052 PW4052(-3) PW4056 PW4056(-3) PW4060 PW4060(-3) PW4060A PW4060A(-3) PW4060C PW4062(-3) PW4062A(-3) PW4152 PW4152(-3) PW4156A PW4156A(-3) PW4158 PW4158(-3) PW4460 PW4460(-3) PW4462 PW4462(-3)  PW4164 PW4168 PW4168A PW4170

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<b>DATE:</b>	<u>February 18, 2016</u>

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal-HPC, 15STG	50S160DEC	Pratt & Whitney P/N: 50S160	Tests and Computations per 14 CFR § 21.303, Dwg No.: 50S160DEC, Rev.: B, Dated: 5/19/15, or later FAA approved revisions.  <u>NOTE: AMOC Required</u>	Pratt & Whitney	PW4050 PW4050(-3) PW4052 PW4052(-3) PW4056 PW4056(-3) PW4060 PW4060(-3) PW4060A PW4060A(-3) PW4060C PW4062(-3) PW4062A(-3) PW4152 PW4152(-3) PW4156A PW4156A(-3) PW4158 PW4158(-3) PW4460 PW4460(-3) PW4462 PW4462(-3)  PW4164 PW4168 PW4168A PW4170
Seal, Assy Precooler	91B065-01DEC	Rolls-Royce P/N: 91B065-01	Tests and Computations per 14 CFR § 21.303, Dwg No.: 91B065-01DEC, Rev.: D, Dated: 10/21/15, or later FAA approved revisions.	Rolls-Royce plc	RB211 Trent 768-60  RB211 Trent 772-60  RB211 Trent 772B-60





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<b>SUPPLEMENT No.:</b>	ODA-TK-010
<b>DATE:</b>	February 18, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Key – Compressor Stator Casing	9392M25P01DEC	General Electric P/N: 9392M25P01	Tests and Computations per 14 CFR § 21.303, Dwg No.: 9392M25P01DEC, Rev.: A, Dated: 5/24/12, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A5F CF6-80C2A8 CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B5F CF6-80C2B6F CF6-80C2B6FA CF6-80C2B7F CF6-80C2D1F  CF6-80E1A2 CF6-80E1A3 CF6-80E1A4 CF6-80E1A4/B
Valve, Regulator	766313-2DEC	Hamilton Sundstrand P/N: 766313-2	Tests and Computations per 14 CFR § 21.303, Dwg No.: 766313-2DEC, Rev.: C, Dated: 11/26/12, or later FAA approved revisions.	Pratt & Whitney	PW2037 PW2037M PW2040 PW2240 PW2337
Sleeve	766313-10DEC	Hamilton Sundstrand P/N: 766313-10	Tests and Computations per 14 CFR § 21.303, Dwg No.: 766313-10DEC, Rev.: A, Dated: 10/4/12, or later FAA approved revisions.	Pratt & Whitney	PW2037 PW2037M PW2040 PW2240 PW2337

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<b>SUPPLEMENT No.:</b>	ODA-TK-010
<b>DATE:</b>	February 18, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Valve and Plug	RFN906DEC	Hamilton Sundstrand P/N: RFN906	Tests and Computations per 14 CFR § 21.303, Dwg No.: RFN906DEC, Rev.: B, Dated: 1/4/13, or later FAA approved revisions.	Pratt & Whitney	PW2037 PW2037M PW2040 PW2240 PW2337
Tube Assembly	DEC2A3125-01	International Aero Engines P/N: 2A3125-01	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC2A3125-01, Rev.: H, Dated: 5/5/11, or later FAA approved revisions.	International Aero Engines	V2500-A1 V2527-A5 V2530-A5 V2533-A5
Lock Ring	DEC09-072-501	Pratt & Whitney P/N: 519834	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC09-072, Rev.: B, Dated: 9/1/05, or later FAA approved revisions.	Pratt & Whitney	JT8D-1, -1A, -1B, -5, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R, -17AR, -209, -217, -217A, -217C, -219
Spacer	DEC29-039-501	CFM International P/N: 1476M57P02	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC29-039, Rev.: – , Dated: 10/11/04, or later FAA approved revisions.	CFM International	CFM56-5A CFM56-5B CFM56-5C CFM56-7B
Self-Locking Slabbed Head Bolt	DEC29-040-501	CFM International P/N: 1522M64P01	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC29-040, Rev.: A, Dated: 4/13/05, or later FAA approved revisions.	CFM International	CFM56-5C CFM56-7B



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<b>SUPPLEMENT No.:</b>	<u>ODA-TK-010</u>
<b>DATE:</b>	<u>February 18, 2016</u>

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pin-Straight Threaded	DEC29-053-501	CFM International P/N: 1523M70P05	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC29-053, Rev.: A, Dated: 6/14/06, or later FAA approved revisions.	CFM International	CFM56-5B1, -5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5B1P, -5B2P, -5B3P, -5B4P, -5B5P, -5B6P  CFM56-5C2, -5C2/4, -5C2/F, -5C2/F4, -5C2/G, -5C2/G4, -5C2/P, -5C3/F, -5C3/F4, -5C3/G, -5C3/G4, -5C3/P, -5C4, -5C4/P, -5C4/1, -5C4/1P  CFM56-7B18, -7B20, -7B22, -7B24, -7B26, -7B26/B2, -7B27/B1, -7B20/2, -7B22/2, -7B24/2, -7B26/2, -7B27, -7B27/B3, -7B22/B2, -7B22/B1, -7B24/B1, -7B26/B1, -7B27/2
.312 Flexible Shaft Assembly	DEC39-018-505	CFM International P/N: 121762-3	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-018-505, Rev.: C, Dated: 3/22/12, or later FAA approved revisions.	CFM International	CFM56-2A CFM56-2B CFM56-2C CFM56-3 CFM56-5A CFM56-5B CFM56-5C

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<b>SUPPLEMENT No.:</b>	ODA-TK-010
<b>DATE:</b>	February 18, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shaft Assembly Flexible	DEC39-166-503	CFM International P/N: 9041M47P01  Allied Signal P/N: 121282-2, -17	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-6 Series CF6-50 Series  CF6-45A2
Shaft Assembly Flexible	DEC39-166-515	CFM International P/N: 9280M82P01  Allied Signal P/N: 121282-8, -23	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-80A Series
Shaft Assembly Flexible	DEC39-166-519	CFM International P/N: 9280M82P03  Allied Signal P/N: 121282-10, -25	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-80A Series CF6-80C Series CF6-80E Series
Shaft Assembly Flexible	DEC39-166-521	CFM International P/N: 9280M82P04  Allied Signal P/N: 121282-11, -26	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-80A Series CF6-80C Series CF6-80E Series
Shaft Assembly Flexible	DEC39-166-527	CFM International P/N: 9041M47P03  Allied Signal P/N: 121282-14, -29	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-6 Series CF6-50 Series  CF6-45A2

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

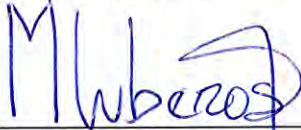
Turbine Kinetics, Inc.  
 A HEICO Aerospace Company  
 60 Sequin Drive  
 Glastonbury, CT 06033

**PMA NO.:** PQ0816NE  
**SUPPLEMENT No.:** ODA-TK-010  
**DATE:** February 18, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shaft Assembly Flexible	DEC39-166-529	CFM International P/N: 9041M67P04	Tests and Computations per 14 CFR § 21.303, Dwg No.: DEC39-166, Rev.: D, Dated: 3/22/10, or later FAA approved revisions.	General Electric	CF6-50 Series  CF6-45A2
		Allied Signal P/N: 121282-15, -30			

----- 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 18, 2016

\_\_\_\_\_  
 Date

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



U.S. Department  
of Transportation  
Federal Aviation  
Administration

Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 475  
1895 Phoenix Boulevard,  
Atlanta, GA 30349

June 11, 2002

Project No. PQ1469CE

DEC Technologies, Inc.  
501 Industrial Park Road  
Piney Flats, TN 37686

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computations submitted by DEC Technologies, Inc. with letter dated June 5, 2002, meet the airworthiness requirements of the regulations applicable to the products on with the parts are to be installed. Additionally, it has been determined that DEC Technologies, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at 501 Industrial Park Road, Piney Flats, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 60.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated October 17, 1995, also apply to the enclosed PMA Listing-Supplement No. 60.

Should you have any questions regarding this matter, you may wish to direct them to Ms. Angelia D. Gann, at the Atlanta MIDO office, telephone (770) 703-6104.

Sincerely,

*For: Angelia D. Tuggle*  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

PARTS MANUFACTURER APPROVAL NO. PQ1469CE  
 PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 60

DATED JUNE 10, 2002

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

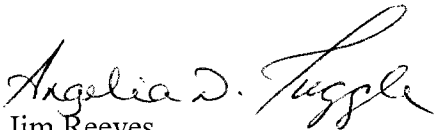
DEC Technologies, Inc.  
 501 Industrial Park Road  
 Piney Flats, Tennessee 37686

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part Number</u>	<u>Approved Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Shaft Assembly Flexible	DEC39-166-503	General Electric P/N 9041M47P01  Allied Signal P/N 121282-2/-17	Test & Computation per 14 CFR § 21.303(c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-6, Series CF6-50 Series
Shaft Assembly Flexible	DEC39-166-505	General Electric P/N 9041M67P02  Allied Signal P/N 121282-3/-18	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-6, Series CF6-50 Series
Shaft Assembly Flexible	DEC39-166-513	Allied Signal P/N 121282-7/-22	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-6, Series CF6-50 Series
Shaft Assembly Flexible	DEC39-166-515	General Electric P/N 9280M82P01  Allied Signal P/N 121282-8/-23	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-80A Series
Shaft Assembly Flexible	DEC39-166-517	General Electric P/N 9280M82P02  Allied Signal P/N 121282-9/-24	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-80A Series
Shaft Assembly Flexible	DEC39-166-519	General Electric P/N 9280M82P03  Allied Signal P/N 121282-10/-25	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-80A, Series CF6-80C, Series CF6-80E Series

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part Number</u>	<u>Approved Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Shaft Assembly Flexible	DEC39-166-521	General Electric P/N 9280M82P04  Allied Signal P/N 121282-11/-26	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-80A, Series CF6-80C, Series CF6-80E Series
Shaft Assembly Flexible	DEC39-166-527	General Electric P/N 9041M47P03  Allied Signal P/N 121282-14/-29	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-6, Series CF6-50 Series
Shaft Assembly Flexible	DEC39-166-529	General Electric P/N 9041M67P04  Allied Signal P/N 121282-15/-30	Test & Computation per 14 CFR § 21.303 (c)(4) <u>Dwg No:</u> DEC39-166, <u>Rev:</u> N/A, <u>Dated:</u> 03/01/02 or later FAA approved revisions	General Electric	CF6-50 Series

**-END OF LISTING-**

**NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.**

For:   
 Jim Reeves  
 Manager, Atlanta Manufacturing  
 Inspection District Office



Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 225  
1895 Phoenix Boulevard,  
Atlanta, GA 30349

U.S. Department  
of Transportation

Federal Aviation  
Administration

February 15, 2006

PMA No. PQ1469CE

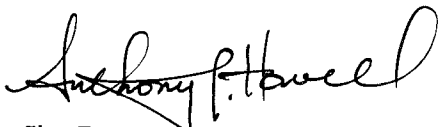
DEC Technologies, Inc.  
501 Industrial Park Road  
Piney Flats, TN 37686

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

Per 14 CFR part 21, Subpart K, we found design data submitted with your letter dated February 2, 2006 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on test and computation. Also, we determined that your company set up the fabrication inspection system at, 501 Industrial Park Road, Piney Flats, Tennessee as required by 14 CFR, § 21.303(h). Therefore, we grant parts manufacturer approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No. 116R (revised).

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated October 17, 1995, also apply to the enclosed PMA Listing-Supplement No. 116R. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

*for*   
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

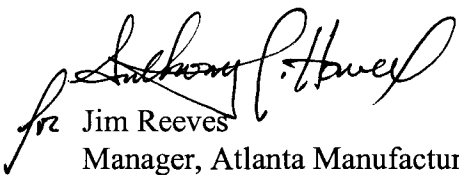
DEC Technologies, Inc.  
501 Industrial Park Road  
Piney Flats, TN 37686

PMA NO. PQ1469CE  
SUPPLEMENT NO. 116R  
DATE: February 15, 2006

Part Name	Part Number	Approved Replacement For Part Number	Approved Basis and Approved Design Data	Make Eligibility	Model Eligibility
Shaft Assy, Flexible	DEC39-166-503	Allied Signal, 121282-2, -17	Test and Computation per 14 CFR § 21.303 <u>Dwg:</u> DEC39-166 <u>Rev:</u> A <u>Date:</u> 03/18/05 or later FAA approved revisions	General Electric	CF6-45A2 Engine
Shaft Assy, Flexible	DEC39-166-505	Allied Signal, 121282-3, -18	Test and Computation per 14 CFR § 21.303 <u>Dwg:</u> DEC39-166 <u>Rev:</u> A <u>Date:</u> 03/18/05 or later FAA approved revisions	General Electric	CF6-45A2 Engine
Shaft Assy, Flexible	DEC39-166-527	Allied Signal, 121282-14, -29	Test and Computation per 14 CFR § 21.303 <u>Dwg:</u> DEC39-166 <u>Rev:</u> A <u>Date:</u> 03/18/05 or later FAA approved revisions	General Electric	CF6-45A2 Engine
Shaft Assy, Flexible	DEC39-166-529	Allied Signal, 121282-15, -30	Test and Computation per 14 CFR § 21.303 <u>Dwg:</u> DEC39-166 <u>Rev:</u> A <u>Date:</u> 03/18/05 or later FAA approved revisions	General Electric	CF6-45A2 Engine

-END OF LISTING-

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not, provide supplementary ICA per 14 CFR § 21.50.

  
for Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office