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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: 3-30-2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Lever – Pressure Ratio Bleed Control	DEC01-039-501	393909	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-039 <u>Rev:</u> E <u>Date:</u> 01/12/12 or later FAA-approved revisions.	Pratt & Whitney	JT3D-1, JT3D-1A, JT3D-3, JT3D-3B, JT3D-3C, JT3D-7, JT3D-7A, 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
Gasket - .093 Free Height	DEC01-056-527	ST1111-27 ST1121-27 ST1141-27	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	JT9D-7R4D, JT9D-7R4D1, JT9D-7R4E, JT9D-7R4E1, JT9D-7R4G2, JT9D-7R4H1, JT9D-7R4E4, PW2037, PW2037M, PW2040, F117-PW-100,



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					PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4062A, PW4152*, PW4156*, PW4156A*, PW4158*, PW4460*, PW4462*, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D, PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098
Gasket - .093 Free Height	DEC01- 056-533	ST1111-33 ST1121-33 ST1141-33	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	JT9D-59A, JT9D-70A, JT9D-7Q, JT9D-7Q3, PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4062A-3, PW4152*, PW4156,



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					PW4156A*, PW4158*, PW4460*, PW4462*, PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D
Gasket – .093 Free Height	DEC01- 056-534	ST1111-34 ST1121-34 ST1141-34	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4062A-3, PW4152*, PW4156, PW4156A*, PW4158*, PW4460*, PW4462*, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D, PW4074, PW4077, PW4077D, PW4084, PW4084D,



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					PW4090*, PW4090D, PW4074D, PW4098
Gasket - .093 Free Height	DEC01- 056-535	ST1111-35 ST1121-35 ST1141-35	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev: C</u> <u>Date: 09/29/14 or</u> <u>later FAA-approved</u> <u>revisions.</u>	Pratt & Whitney	PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D
Gasket - .093 Free Height	DEC01- 056-537	ST1111-37 ST1121-37 ST1141-37	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev: C</u> <u>Date: 09/29/14 or</u> <u>later FAA-approved</u> <u>revisions.</u>	Pratt & Whitney	PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4152*, PW4156*, PW4156A*, PW4158*, PW4460*, PW4462*, PW4074, PW4077, PW4164, PW4168



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Gasket - .093 Free Height	DEC01-056-540	ST1111-40 ST1121-40 ST1141-40	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4062A, PW4152*, PW4156*, PW4156A*, PW4158*, PW4160, PW4460*, PW4462*, PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D
Gasket - .093 Free Height	DEC01-056-551	ST1111-51 ST1121-51 ST1141-51	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4062A, PW4152*, PW4156*, PW4156A*, PW4158*, PW4460*,



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					PW4462*, PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D
Gasket – 0.093 Free Height	DEC01- 056-560	ST1111-60 ST1121-60 ST1141-60	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC01-056 <u>Rev:</u> C <u>Date:</u> 09/29/14 or later FAA-approved revisions.	Pratt & Whitney	PW4074, PW4077, PW4077D, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, PW4170, PW4168A-1D
Seal, Shaft, Stationary	DEC06- 003-501	218304	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC06-003 <u>Rev:</u> G <u>Date:</u> 06/17/15 or later FAA-approved revisions.	CFM International	CFM56-2, CFM56-2A, CFM56-2B, CFM56-3, CMF56-3B, CFM56-3C, CFM56-5, CFM56-5-A1/F, CFM56-5A3, CFM56-5A4, CFM56-5A4/F, CFM56-5A5, CFM56-5A5/F, CFM56-5B1,



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					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, CFM56-5B9/2P, CFM56-5B7/3, CFM56-5B8/3, CFM56-5B9/3, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/E,
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				Pratt & Whitney	CFM56-5C2/F4, 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, CFM56-5C4/1P, CFM56-5C4/1, PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4152*, PW4156, PW4156A*, PW4158*, PW4460*, PW4462*, PW4074, PW4077, PW4077D, PW4084, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164, PW4168, PW4168A, JT9D-3A, JT9D-7, JD9D-7H, JT9D-7A,
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				Rolls Royce	JT9D-7AH, JT9D-7F, JT9D-20, JT9D-7J, JT9D-20J, JT9D-7R4E, JT9D-7R4H1, JT9D-7R4D, JT9D-7R4E1, JT9D-7R4E4, JT9D-7R4D1, JT9D-7R4G2, RB211 TRENT 768-60, RB211 TRENT 772-60
Seal Ring	DEC11-019-501	1340M69P03	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC11-019 <u>Rev:</u> C <u>Date:</u> 09/15/04 or later FAA-approved revisions.	General Electric	CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F, CF6-80E1A2, CF6-80E1A4, CF6-80E1A3, CF6-80E1A4/B



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Seal Ring, Metal	DEC21-025-501	1444M99P01 1444M99P03 1444M99P04	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC21-025 <u>Rev:</u> B <u>Date:</u> 11/05/09 or later FAA-approved revisions.	CFM International	CFM56-2, CFM56-2A, CFM56-2B, CFM56-3, CFM56-3B, CFM56-3C, 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,
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					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, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4, 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, CFM56-7B18 CFM56-7B20, CFM56-7B20/2, CFM56-7B20/3, CFM56-7B22, CFM56-7B22/2, CFM56- 7B22/B1, CFM56-7B22/3, CFM56- 7B22/3B1, CFM56-7B22E, CFM56- 7B22E/B1, CFM56-7B24,
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					CFM56-7B24/2, CFM56- 7B24/B1, CFM56-7B24/3, CFM56- 7B24/3B1, CFM56-7B24E, CFM56- 7B24E/B1, CFM56-7B26/3, CFM56-7B26, CFM56-7B26/2, CFM56- 7B26/B1, CFM56- 7B26/3B1, CFM56- 7B26/3B2F, CFM56- 7B26/3F, CFM56- 7B26/B2, CFM56-7B26E, CFM56- 7B26E/B1, CFM56- 7B26E/B2, CFM56- 7B26E/B2F, CFM56- 7B26E/F, CFM56-7B27, CFM56-7B27A, CFM56- 7B27AE, CFM56-7B27/3, CFM56- 7B27/3F, CFM56- 7B26/3B2, CFM56- 7B27/B1,
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				General Electric	CFM56-7B27/B3, CFM56-7B27/2, CFM56-7B27/3B1, CFM56-7B27/3B3, CFM56-7B27A/3, CFM56-7B27E/B1, CFM56-7B27/3B1F, CFM56-7B27E/B3, CFM56-7B27E, CFM56-7B27E/F, CFM56-7B27E/B1F, CF34-10E5, CF34-10E5A1, CF34-10E6, CF34-10E6A1, CF34-10E7
Gearshaft, Spur	DEC31-014-501	362849-2	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-014 <u>Rev:</u> C <u>Date:</u> 09/16/03 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,



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				General Electric	CFM56-5C4, CFM56-5C4/P, CFM56-5C4/1, CFM56-5C4/1P, CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, CF6-50E2B, CF6-80A, CF6-80A1, CF6-80A2, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B3F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2B7F, CF6-80C2B1F1,
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					CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B1F2, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F
Shaft Assembly, Flexible	DEC31- 018-507	121762-4	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-018 <u>Rev:</u> C <u>Date:</u> 09/24/14 or later FAA-approved revisions.	CFM International	CFM56-2, CFM56-2A, CFM56-2B, CFM56-3, CFM56-3B, CFM56-3C, 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, CMF56-5B5/3, CMF56-5B6/3, CFM56-5B3/2P, CFM56- 5B3/2P1, CFM56-5B4, CFM56-5B4/P,



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 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					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, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4, 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
Gear, Spur, Internal	DEC31-032-501	362846-2	Identity per 14 CFR 21.303. DWG No.: DEC31-032 Rev: C Date: 01/23/08 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,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

					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, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

				General Electric	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, CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, CF6-50E2B, CF6-80A, CF6-80A1, CF6-80A2, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					CF6-80C2B3F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2B1F1, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B1F2, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F
Seal, Lip	DEC31-107-501	3237917-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-107 <u>Rev:</u> A <u>Date:</u> 05/07/03 or later FAA-approved revisions.	General Electric	CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, CF6-50E2B, CF6-80A, CF6-80A1, CF6-80A2, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					CF6-80C2B3F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2B1F1, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B1F2, CF6-80C2B6FA, CF6-80C2B5F, CF6-80E1A1, CF6-80E1A2, CF6-80E1A3, CF6-80E1A4, CF6-80E1A4/B
Nut, Plain – Hexagon	DEC31- 134-501	974699-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-134 <u>Rev:</u> E <u>Date:</u> 11/06/15 or later FAA-approved revisions.	General Electric	CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2-R, CF6-50E, CF6-50E1, CF6-50E2, CF6-80A, CF6-80A2, CF6-80A1, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F
Bushing, Gimbal	DEC31- 136-503	974695-19	Identicity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-136 <u>Rev:</u> B <u>Date:</u> 04/15/14 or later FAA-approved revisions.	General Electric	CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2-R, CF6-50E, CF6-50E1, CF6-50E2, CF6-80A, CF6-80A2, CF6-80A1, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F
Gear Set, Spur Matched – Planetary	DEC31- 143-503	364436-3	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-143 <u>Rev:</u> C <u>Date:</u> 08/10/15 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,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

				General Electric	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, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4, 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, CF6-6, CF6-45, CF6-50, CF6-80A, CF6-80C2
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

Gear, Spur – Pinion	DEC31- 144-501	364437-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-144 <u>Rev:</u> B <u>Date:</u> 01/25/11 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,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

				General Electric	CFM56-5B9/P, CFM56-5B7/3, CFM56-5B8/3, CFM56-5B9/3, CFM56-5B9/2P, CFM56-5C2, CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4, 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, CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, CF6-50E2B, CF6-80A, CF6-80A1, CF6-80A2,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A5F, CF6-80C2A8, CF6-80C2L1F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B3F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2L1F, CF6-80C2B1F1, CF6-80C2D1F, CF6-80C2A5F, CF6-80C2B7F, CF6-80C2B1F2, CF6-80C2B6FA, CF6-80C2B5F, CF6-80C2B8F, CF6-80E1A1, CF6-80E1A2, CF6-80E1A3, CF6-80E1A4, CF6-80E1A4/B
Shaft Assembly, Flexible	DEC31-161-509	121734-5	Identity per 14 CFR 21.303. DWG No.: DEC31-161 Rev: G Date: 10/02/13 or later FAA-approved revisions.	Rolls Royce	RB211-524D4-19, RB211-524D4-B-19, RB211-524D4X-19, RB211-524D4X-B-19, RB211-524G2-19,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 988
 DATE: March 30, 2016

					RB211-524G3-19, RB211-524H-36, RB211-524H2-19, RB211-524G2-T-19, RB211-524G3-T19, RB211-524H-T-36, RB211-524H2-T-19
Shaft Assembly, Flexible	DEC31-161-511	121734-6	Identicity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-161 <u>Rev:</u> G <u>Date:</u> 10/02/13 or later FAA-approved revisions.	Rolls Royce	RB211-524G2-19, RB211-524G3-19, RB211-524H-36, RB211-524H2-19, RB211-524G2-T-19, RB211-524G3-T-19, RB211-524H2-T-19 RB211-524H-T-36
Shaft Assembly, Flexible	DEC31-174-503	121746-2	Identicity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-174 <u>Rev:</u> B <u>Date:</u> 01/26/15 or later FAA-approved revisions.	Pratt & Whitney	PW4152, PW4156A, PW4158, JT9D-7R4E1, JT9D-7R4E4, JT9D-7R4D1
Plug, Machine	DEC92-001-503	572-510-9004 A75M	Identicity per 14 CFR 21.303. <u>DWG No.:</u> DEC92-001 <u>Rev:</u> K <u>Date:</u> 04/06/15 or	CFM International	CFM56-5, CFM56-5-A1/F, CFM56-5A3, CFM56-5A4, CFM56-5A4/F, CFM56-5A5,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

			later FAA-approved revisions.		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, CFM56-5C2,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

				General Electric	CFM56-5C2/4, CFM56-5C2/F, CFM56-5C2/F4, 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, CF6-6D, CF6-6D1, CF6-6D1A, CF6-6K, CF6-6K2, CF6-45A, CF6-45A2, CF6-50A, CF6-50C, CF6-50CA, CF6-50C1, CF6-50C2, CF6-50C2B, CF6-50C2D, CF6-50E, CF6-50E1, CF6-50E2, CF6-50E2B, CF6-80A, CF6-80A1, CF6-80A2, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A5F,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

					CF6-80C2A8, CF6-80C2L1F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2D1F, CF6-80C2B2F, CF6-80C2B3F, CF6-80C2B4F, CF6-80C2B6F, CF6-80C2K1F, CF6-80C2B1F1, CF6-80C2A5F, CF6-80C2A8F, CF6-80C2B7F, CF6-80C2B1F2, CF6-80C2B6FA, CF6-80C2B5F, CF6-80E1A1, CF6-80E1A2, CF6-80E1A4, CF6-80E1A3, CF6-80E1A4/B, Rolls Royce RB211-524B-02, RB211-524B-B-02, RB211-524B2-19, RB211-524B2-B-19, RB211-524B3-02, RB211-524B4-02, RB211-524B4-D-02, RB211-524C2-19, RB211-524C2-B-19,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 330114 ~~988~~ 988
 DATE: March 30, 2016

					RB211-524D4-19, RB211-524D4-39, RB211-524D4-B-19, RB211-524D4-B-39, RB211-524D4X-19, RB211-524D4X-B-19, RB211-535C-37, RB211-535E4-37, RB211-535E4-B-37, RB211-535E4-75, RB211-535E4-C-37
Plug, Machine Thread, .500-20 X 1.280	DEC92-005-501	50R490 50R491 50R492 1303071 1A6505	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC92-005 <u>Rev:</u> C <u>Date:</u> 06/26/07 or later FAA-approved revisions.	Pratt & Whitney	PW4050*, PW4052*, PW4056*, PW4060*, PW4060A*, PW4060C, PW4062*, PW4152*, PW4156A*, PW4158*, PW4460*, PW4462*, PW4074, PW4077, PW4077D, PW4084D, PW4090*, PW4074D, PW4090D, PW4098, PW4164,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 988
DATE: March 30, 2016

					PW4168, PW4168A
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* Includes derivatives identified as (-3)

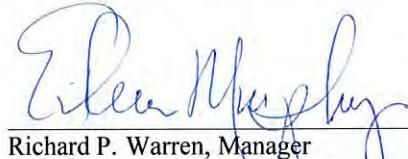
------(END OF DATA)-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA

The FAA accepted the ICA approach for the above articles with their designs. The ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements for supplemental ICA readily available per 14 CFR 21.50.


Thomas Boudreau, Manager
Engine Certification Office


Richard P. Warren, Manager
Bradley Manufacturing Inspection
District Office



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Gearshaft, Spur	DEC31-014-501	362849-2	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-014 <u>Rev:</u> C <u>Date:</u> 09/16/03 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, 767-200 Series, 767-300 Series, 767-300F Series, 767-400ER Series, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15, MD-11, MD-11F
Shaft, Drive-Oil Pump	DEC31-026-501	969292-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-026 <u>Rev:</u> B <u>Date:</u> 10/16/02 or later FAA-approved revisions.	Boeing	707-100 Long Body, 707-200, 707-100B Long Body, 707-100B Short Body, 707-300 Series,



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Manufacturing Inspection District Office, ANE-MIDO-41

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					707-400 Series, 707-300B Series, 707-300C Series, 727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8F-54, DC-8F-55, DC-8-55, DC-8-61, DC-8-61F, DC-8-62, DC-8-62F, DC-8-63,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					DC-8-63F, DC-8-71, DC-8-71F, DC-8-72, DC-8-72F, DC-8-73, DC-8-73F, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F, DC-9-34, DC-9-34F, DC-9-41, DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88, 1-11 200 series, 1-11 400 series
				British Aerospace	



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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

Shaft, Drive, Fuel Pump	DEC31- 027-505	3603685-3	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-027 <u>Rev:</u> A <u>Date:</u> 02/16/12 or later FAA-approved revisions.	Boeing	707-100 Long Body, 707-200, 707-100B Long Body, 707-100B Short Body, 707-300 Series, 707-400 Series, 707-300B Series, 707-300C Series, 727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-8-11, DC-8-12, DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53,
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					DC-8F-54, DC-8F-55, DC-8-55, DC-8-61, DC-8-61F, DC-8-62, DC-8-62F, DC-8-63, DC-8-63F, DC-8-71, DC-8-71F, DC-8-72, DC-8-72F, DC-8-73, DC-8-73F, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F, DC-9-34, DC-9-34F, DC-9-41, DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87),
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Turbine Kinetics, Inc.
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

				British Aerospace	MD-88, 1-11 200 series, 1-11 400 series
Gear, Spur, Internal	DEC31- 032-501	362846-2	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-032 <u>Rev:</u> C <u>Date:</u> 01/23/08 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, 767-200 Series, 767-300 Series, 767-300F Series, 767-400ER Series, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC- 10), DC-10-10F, DC-10-40F, DC-10-15, MD-11, MD-11F, A300 A300, Model B2-1A, A300, Model B2-1C, A300, Model B4-2C A300, Model
				Airbus	



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Manufacturing Inspection District Office, ANE-MIDO-41

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Turbine Kinetics, Inc.
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

				Lockheed	B2K-3C, A300, Model B4-103, A300, Model B2-203, A300, Model B4-203, L-1011-385-1, L-1011-385-1- 14, L-1011-385-1- 15, L-1011-385-3
Nut, Retaining Impeller	DEC31- 091-503	379523-1	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-091 <u>Rev:</u> B <u>Date:</u> 12/04/07 or later FAA-approved revisions.	Boeing	727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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 A HEICO Aerospace Company
 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

					304, A310, Model 325
Bearing Set, Sleeve, Matched	DEC31- 095-501	968055-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-095 <u>Rev:</u> A <u>Date:</u> 03/17/08 or later FAA-approved revisions.	Boeing	727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC- 9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F, DC-9-34, DC-9-34F, DC-9-41, DC-9-51, DC-9-81 (MD-



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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Turbine Kinetics, Inc.
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

					81), DC-9-82 (MD-82), DC-9-83 (MD-83, DC-9-87 (MD-87), MD-88
Bearing Set, Sleeve, Matched	DEC31-095-503	968055-2	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-095 <u>Rev:</u> A <u>Date:</u> 03/17/08 or later FAA-approved revisions.	Boeing	727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Turbine Kinetics, Inc.
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

					DC-9-34, DC-9-34F, DC-9-41, DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88
Seal, Lip	DEC31-107-501	3237917-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-107 <u>Rev:</u> A <u>Date:</u> 05/07/03 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, 767-200 Series, 767-300 Series, 767-300F Series, 767-400ER Series, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15



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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

Shaft and Sleeve Set, Matched	DEC31-130-503	3602218-6	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-130 <u>Rev:</u> F <u>Date:</u> 03/17/08 or later FAA-approved revisions.	Boeing	737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F, DC-9-34, DC-9-34F, DC-9-41, DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88
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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

Nut, Plain – Hexagon	DEC31-134-501	974699-1	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-134 <u>Rev:</u> E <u>Date:</u> 11/06/15 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15
Bushing, Gimbal	DEC31-136-503	974695-19	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-136 <u>Rev:</u> B <u>Date:</u> 04/15/04 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, DC-10-10, DC-10-40, DC-10-30,



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Turbine Kinetics, Inc.
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

					DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15
Gear Set, Spur Matched – Planetary	DEC31-143-503	364436-3	Identity per 14 CFR 21.303. <u>DWG No.:</u> DEC31-143 <u>Rev:</u> C <u>Date:</u> 08/10/15 or later FAA-approved revisions.	Boeing	747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, 767-200 Series, 767-300 Series, 767-300F Series, 767-400ER Series, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15, MD-11, MD-11F, A300 A300, Model B2-1A, A300, Model B2-1C,
				Airbus	



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Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Turbine Kinetics, Inc.
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60 Sequin Drive
Glastonbury, CT 06033

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					A300, Model B4-2C, A300, Model B2K-3C, A300, Model B4-103, A300, Model B2-203, A300, Model B4-203, <u>A300-600</u> 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 C4-605R Variant F, A300, Model B4-622 <u>A310</u> A310, Model 203, A310, Model 304, <u>A320</u> A320 Model- 111*, A320, Model 211, A320, Model 212
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Turbine Kinetics, Inc.
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60 Sequin Drive
Glastonbury, CT 06033

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					A300, Model B2-203, A300, Model B4-203, <u>A300-600</u> 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 C4-605R Variant F, A300, Model B4-622 <u>A310</u> A310, Model 203, A310, Model 304, <u>A320</u> A320 Model- 111*, A320, Model 211, A320, Model 212
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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

Shaft Assembly, Flexible	DEC31-160-503	121754-2	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-160 <u>Rev:</u> E <u>Date:</u> 05/09/12 or later FAA-approved revisions.	Bombardier	CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A Variant), CL-600-2B16 (CL-601-3R Variant), CL-600-2B16 (CL-604 Variant), CL-600-2B19 (Regional Jet Series 100 & 440)
Shaft Assembly, Flexible	DEC31-160-503	121754-3	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-160 <u>Rev:</u> E <u>Date:</u> 05/09/12 or later FAA-approved revisions.	Bombardier	CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A Variant), CL-600-2B16 (CL-601-3R Variant), CL-600-2B16 (CL-604 Variant), CL-600-2B19 (Regional Jet Series 100 & 440)
Shaft Assembly, Flexible	DEC31-160-509	121754-5	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC31-160 <u>Rev:</u> E <u>Date:</u> 05/09/12 or later FAA-approved revisions.	Bombardier	CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A Variant), CL-600-2B16



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 60 Sequin Drive
 Glastonbury, CT 06033

PMA NO. PQ0816NE
 SUPPLEMENT NO. 987
 DATE: March 15, 2016

					B4-620, A300, Model B4-605R, A300, Model B4-622R A300, Model F4-605R, A300, Model F4-622R, A300, Model C4-605R Variant F, A300, Model B4-622, <u>A310</u> A310, Model 204, A310, Model 221, A310, Model 222, A310, Model 203, A310, Model 322, A310, Model 324, A310, Model 304, A310, Model 325
Plug, Machine	DEC92-001-503	572-510-9004 A75M	Identicality per 14 CFR 21.303. <u>DWG No.:</u> DEC92-001 <u>Rev:</u> K <u>Date:</u> 04/06/15 or later FAA-approved revisions.	Boeing	707-100 Long Body, 707-200, 707-100B Long Body, 707-100B Short Body, 707-300 Series, 707-400 Series, 707-300B Series, 707-300C Series,



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60 Sequin Drive
Glastonbury, CT 06033

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					727 Series, 727-100 Series, 727C Series, 727-100C Series, 727-200 Series, 727-200F Series, 737-100 Series, 737-200 Series, 737-200C Series, 737-300 Series, 737-400 Series, 737-500 Series, 737-700 Series, 737-800 Series, 737-600 Series, 737-700C Series, 737-900 Series, 737-900ER Series, 747-100 Series, 747-200B Series, 747-200F Series, 747-200C Series, 747SR Series, 747SP Series, 747-100B Series, 747-300 Series, 747-100B SUD Series, 747-400 Series, 747-400D Series, 747-400F Series, 747-8F Series, 747-8 Series, 767-200 Series, 767-300 Series, 767-300F Series, 767-400ER Series, DC-8-11, DC-8-12, DC-8-21,
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FAA

Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

					DC-8-31, DC-8-32, DC-8-33, DC-8-41, DC-8-42, DC-8-43, DC-8-51, DC-8-52, DC-8-53, DC-8F-54, DC-8F-55, DC-8-55, DC-8-61, DC-8-61F, DC-8-62, DC-8-62F, DC-8-63, DC-8-63F, DC-8-71, DC-8-71F, DC-8-72, DC-8-72F, DC-8-73, DC-8-73F, DC-9-11, DC-9-12, DC-9-13, DC-9-14, DC-9-15, DC-9-15F, DC-9-21, DC-9-31, DC-9-32, DC-9-32 (VC-9C), DC-9-32F, DC-9-32F (C-9A, C-9B), DC-9-33F, DC-9-34, DC-9-34F, DC-9-41,
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FAA

Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

				Airbus	DC-9-51, DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-9-87 (MD-87), MD-88, DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10), DC-10-10F, DC-10-40F, DC-10-15, MD-11, MD-11F <u>A300</u> A300, Model B2-1A, A300, Model B2-1C, A300, Model B4-2C, A300, Model B2K-3C, A300, Model B4-103, A300, Model B2-203, A300, Model B4-203,
				Lockheed	L-1011-385-1, L-1011-385-1-14, L-1011-385-1-15, L-1011-385-3



FAA

Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0816NE
SUPPLEMENT NO. 987
DATE: March 15, 2016

------(END OF DATA)-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA

The FAA accepted the ICA approach for the above articles with their designs. The ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements for supplemental ICA readily available per 14 CFR 21.50.

Robert G. Mann
Robert G. Mann, Manager
Boston, Aircraft Certification Office

Richard P. Warren
Richard P. Warren, Manager
Bradley Manufacturing Inspection
District Office

PARTS MANUFACTURER APPROVAL NO. PQ1469CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 44

DATED FEBRUARY 12, 1998

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Shroud, Turbine Wheel	DEC31-023-501	Airesearch P/N 3611904-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-023, Rev. A, dated 01/07/98, or Later FAA Approval	Boeing McDonnell Douglas	727 and 737 DC-9 and MD-80
Gear, Shaft - Pinion	DEC31-031-501	Airesearch P/N 361652-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-031, No Rev, dated 12/08/97, or Later FAA Approval	Fokker Rolls Royce	F100 TAY 650-15
Gear, Bevel, Spiral	DEC31-129-501	Airesearch P/N 884155-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-129, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747
Shaft & Sleeve Set, Matched	DEC31-130-501	Airesearch P/N 3602218-2	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-130, No Rev, dated 12/08/97, or Later FAA Approval	Boeing McDonnell Douglas	707, 727 and 737 DC-9 and MD-80
Shaft & Sleeve Set, Matched	DEC31-130-503	Airesearch P/N 3602218-6	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-130, No Rev, dated 12/08/97, or Later FAA Approval	Boeing McDonnell Douglas	737 DC-9 and MD-80
Shroud Segment, Turbine Rotor, First Stage	DEC31-131-501	Allied Signal P/N 976866-4	Identity IAW FAR 21.303(c)(4), Dwg. DEC31-131, No Rev, dated 12/08/97, or Later FAA Approval	McDonnell Douglas Airbus	DC-10 A300

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Shaft, Shoulder, Output	DEC31-132-501	Allied Signal P/N 3238416-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-132, No Rev, dated 11/24/97, or Later FAA Approval	Boeing	747
				McDonnell Douglas	DC-10
				General Electric	CF6-6
Gear Assembly, Fuel Pump	DEC31-133-501	Airesearch P/N 856373-7	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-133, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	737
				McDonnell Douglas	DC-9 and MD-80
Gear Assembly, Fuel Pump	DEC31-133-503	Airesearch P/N 856373-8	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-133, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	737
				McDonnell Douglas	DC-9 and MD-80
Shaft	DEC31-133-005	Airesearch P/N 968051-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-133, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	737
				McDonnell Douglas	DC-9 and MD-80
Shaft	DEC31-133-007	Airesearch P/N 968052-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-133, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	737
				McDonnell Douglas	DC-9 and MD-80
Gear	DEC31-133-009	Airesearch P/N 968032-3	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-133, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	737
				McDonnell Douglas	DC-9 and MD-80
Nut, Plain - Hexagon	DEC31-134-501	Airesearch P/N 974699-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC31-134, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	747
				McDonnell Douglas	DC-10
				General Electric	CF6-6

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Nut, Plain, Round	DEC31-135-501	Garrett P/N 3237582-1	Identicity IAW FAR 21.303(c)(4), Dwg. DEC31-135, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	747
				McDonnell Douglas	DC-10
				General Electric	CF6-6
Hub Lear - Inner, Thrust Reverser	DEC51-035-501	Boeing P/N 65-37952-7	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737
Hub Lear - Inner, Thrust Reverser	DEC51-035-502	Boeing P/N 65-37952-8	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737
Hub Lear - Outer, Thrust Reverser	DEC51-035-503	Boeing P/N 65-37952-9	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737
Hub Lear - Outer, Thrust Reverser	DEC51-035-504	Boeing P/N 65-37952-10	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737
Aft Lear - Inner, Thrust Reverser	DEC51-035-505	Boeing P/N 65-37952-11	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737
Aft Lear - Outer, Thrust Reverser	DEC51-035-507	Boeing P/N 65-37952-12	Identicity IAW FAR 21.303(c)(4), Dwg. DEC51-035, No Rev, dated 12/16/97, or Later FAA Approval	Boeing	727 and 737

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For</u>	<u>FAA Approval Basis & Approved Design Data</u>	<u>Installation Eligibility</u>	<u>Model</u>
Gear, Ring	DEC61-002-501	Hamilton Standard P/N 750501-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-002, Rev. C, dated 01/07/98, or Later FAA Approval	Boeing	747, 757 and 767
				McDonnell Douglas	DC-10, MD-11 and MD-90
				Airbus	A300-600, A310, A319-131, A319-132, A320-231, A320-232, A320-233, A321-131 and A330
				Lockheed	L-1011
				General Electric	CF6-80A and CF6-80C2A
				Rolls Royce	RB-211
				International Aero Engines	V2500
Gear, Cluster	DEC61-003-501	Hamilton Standard P/N 773252-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-003, Rev. C, dated 01/07/98, or Later FAA Approval	Boeing	747, 757 and 767
				McDonnell Douglas	DC-10, MD-11 and MD-90
				Airbus	A300-600, A310, A319-131, A319-132, A320-231, A320-232, A320-233 and A321-131
				International Aero Engines	V2500

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For</u>	<u>FAA Approval Basis & Approved Design Data</u>	<u>Installation Eligibility</u>	<u>Model</u>
Carrier, Ring Gear	DEC61-025-501	Hamilton Standard P/N 728843-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-025, Rev. A, dated 01/07/98, or Later FAA Approval	Boeing	747, 757 and 767
				McDonnell Douglas	DC-10
				Airbus	A300-600, A310-200, A310-300 and A330
				Lockheed	L-1011
				General Electric	CF6-80A and CF6-80C2A
				Rolls Royce	RB-211
Pinion and Sleeve, Rotor	DEC61-027-501	Hamilton Standard P/N 739146-5	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-027, Rev. B, dated 01/07/98, or Later FAA Approval	Boeing	747, 757 and 767
				McDonnell Douglas	DC-10
				Airbus	A300, A300-600, A310-200, A310-300 and A330
				Lockheed	L-1011
				General Electric	CF6-80A and CF6-80C2A
				Rolls Royce	RB-211

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Gear, Cluster	DEC61-029-501	Hamilton Standard P/N 769147-2	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-029, Rev. A, dated 01/07/98, or Later FAA Approval	Boeing	747, 757 and 767
				McDonnell Douglas	DC-10
				Airbus	A300, A300-600, A310-200, A310-300 and A330
				Lockheed	L-1011
				General Electric	CF6-80A and CF6-80C2A
Spring, Clutch	DEC61-033-501	Hamilton Standard P/N 728832-9	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-033, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747 and 767
				McDonnell Douglas	MD-11
				Lockheed	L-1011
				Airbus	A300-600 and A310,
Spring, Clutch	DEC61-033-503	Hamilton Standard P/N 728832-10	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-033, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747 and 767
				McDonnell Douglas	MD-11
				Lockheed	L-1011
				Airbus	A300-600 and A310,
Spring, Clutch	DEC61-033-505	Hamilton Standard P/N 728832-11	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-033, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747 and 767
				McDonnell Douglas	MD-11
				Lockheed	L-1011
				Airbus	A300-600 and A310,

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Spring, Clutch	DEC61-033-507	Hamilton Standard P/N 728832-13	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-033, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747, 757 and 767
Spring, Clutch	DEC61-033-509	Hamilton Standard P/N 728832-14	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-033, No Rev, dated 12/08/97, or Later FAA Approval	Boeing	747, 757 and 767
Bushing, Carbon	DEC61-035-501	Hamilton Standard P/N 746474-3	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-035, No Rev, dated 12/16/97, or Later FAA Approval	Lockheed	L-1011
Bushing, Carbon	DEC61-035-503	Hamilton Standard P/N 746474-4	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-035, No Rev, dated 12/16/97, or Later FAA Approval	Lockheed	L-1011
Bushing, Carbon	DEC61-035-505	Hamilton Standard P/N 746474-5	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-035, No Rev, dated 12/16/97, or Later FAA Approval	Lockheed	L-1011
Shaft and Collar, Drive	DEC61-040-501	Hamilton Standard P/N 733031-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-040, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Shaft, Drive - Splined	DEC61-040-003	Hamilton Standard P/N 733029-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-040, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Shaft, Drive - Splined	DEC61-040-005	Hamilton Standard P/N 733029-2	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-040, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Collar, Gearshaft	DEC61-040-007	Hamilton Standard P/N 598566-1	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-040, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Collar, Gearshaft	DEC61-040-009	Hamilton Standard P/N 570547	Identicality IAW FAR 21.303(c)(4), Dwg. DEC61-040, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Seal, Cam	DEC61-043-501	Hamilton Standard P/N 544180	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-043, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Piston, Servo	DEC61-044-501	Hamilton Standard P/N 552645	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-044, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Pushrod and Pin, Speed Governor	DEC61-045-501	Hamilton Standard P/N 700641-1	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-045, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR
Lever, Droop	DEC61-046-501	Hamilton Standard P/N 599364-2	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-046, No Rev, dated 12/08/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For</u>	<u>FAA Approval Basis & Approved Design Data</u>	<u>Installation Eligibility</u>	<u>Model</u>
Retainer and Ball, Lever	DEC61-047-501	Hamilton Standard P/N 598910	Identity IAW FAR 21.303(c)(4), Dwg. DEC61-047, No Rev, dated 12/16/97, or Later FAA Approval	Boeing Pratt & Whitney	727 and 737 JT8D-1, -1A, -1B, -7, -7A, -7B, -9, -9A, -11, -15, -15A, -17, -17A, -17R and -17AR

-END OF LISTING-



Jim Reeves

Manager, Atlanta Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ1469CE
SUPPLEMENT NO. 84
DATE: April 9, 2004

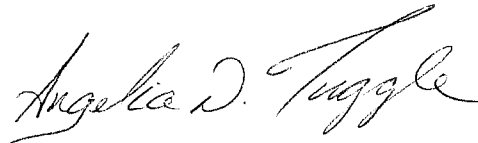
<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part Number</u>	<u>Approved Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Gearshaft, Spur	DEC31-019-501	Gearshaft, Spur P/N: 3500354-2	Identity per 14 CFR § 21.303(c)(4), <u>Dwg:</u> DEC31-019, <u>Rev.:</u> A, <u>Date:</u> 03/30/04, or later FAA Approved revision	Boeing	737
Gear, Pinion	DEC31-022-501	Gear, Pinion 350581	Identity per 14 CFR § 21.303(c)(4), <u>Dwg:</u> DEC31-022, <u>Rev.:</u> A, <u>Date:</u> 03/30/04, or later FAA Approved revision	Boeing McDonnell Douglas Bombardier	707,727, and 737 DC-9 and MD-80 CRJ 100/440
Shaft, Shoulder, Output	DEC31-132-501	Allied Signal P/N: 3238416-1	Identity per 14 CFR § 21.303(c)(4), <u>Dwg:</u> DEC31-132, <u>Rev.:</u> B, <u>Date:</u> 02/02/04, or later FAA Approved revision	Boeing McDonnell Douglas General Electric	Garrett 3272602 series actuator and assemblies installed on 747 series airplanes and DC-10 airplanes and CF6-6 series and CF6-50 series, CF6-45A, CF6-45A2, CF6-80A1, -80A3, CF6-80C2A1, -80C2A2, -80C2A3, -80C2A5, -80C2A8, -80C2A5F, -80C2B1, -80C2B2, -80C2B4, -80C2B6, -80C2B1F, -80C2B2F, -80C2B4F, -80C2B5F, -80C2B6F, -80C2B6FA, -80C2B7F, -80C2B8F, -80C2D1F engines

<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>
Nut, Plain – Hexagon	DEC31-134-501	Airesearch P/N: 974699-1	Identicity per 14 CFR § 21.303(c)(4), <u>Dwg:</u> DEC31-134, <u>Rev.:</u> C, <u>Date:</u> 02/02/04, or later FAA Approved revision	Boeing	Garrett 121278 series angle gearbox installed on 747 series airplanes and DC-10 airplanes and CF6-6 series and CF6-50 series, CF6-45A, CF6-45A2, CF6-80A1, -80A3, CF6- 80C2A1, -80C2A2, -80C2A3, -80C2A5, -80C2A8, -80C2A5F, -80C2B1, -80C2B2, -80C2B4, -80C2B6, -80C2B1F, -80C2B2F, -80C2B4F, -80C2B5F, -80C2B6F, -80C2B6FA, -80C2B7F, -80C2B8F, -80C2D1F engines
Nut, Plain, Round	DEC31-135-501	Garrett 3237582-1	Identicity per 14 CFR § 21.303(c)(4), <u>Dwg:</u> DEC31-135, <u>Rev.:</u> A, <u>Date:</u> 08/01/03, or later FAA Approved revision	Boeing McDonnell Douglas General Electric	747 DC-10 CF6-6, CF6-50A, -50C, -50CA, -50C1, -50C2, -50C2B, -50C2D, -50E, -50E1, -50E2, -50E2B, CF6-80, CF6-80A, -80A2, CF6-80C2A1, -80C2A2, -80C2A3, -80C2A5, -80C2A5F, -80C2A8, -80C2B2, -80C2B4, -80C2B6, -80C2B1F, -80C2B2F, -80C2B1F1, -80C2B1F2, -80C2B4F, -80C2B3F, -80C2B4F, -80C2B6F, -80C2B7F, -80E1A1, -80E1A2, -80E1A4

<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>
Bushing, Gimbal	DEC31-138-501	Airesearch P/N: 3231354-1	Identicality per 14 CFR § 21.303(c)(4), Dwg: DEC31-138, Rev.: C, Date: 02/02/04, or later FAA Approved revision	Boeing	Garrett 121276 & 121278 series angle gearbox installed on 747 series airplanes
				McDonnell Douglas	DC-10 airplanes and
				General Electric	CF6-6 series and CF6-50 series, CF6-45A, CF6-45A2, CF6-80A1, -80A3, CF6-80C2A1, -80C2A2, -80C2A3, -80C2A5, -80C2A8, -80C2A5F, -80C2B1, -80C2B2, -80C2B4, -80C2B6, -80C2B1F, -80C2B2F, -80C2B4F, -80C2B5F, -80C2B6F, -80C2B6FA, -80C2B7F, -80C2B8F, -80C2D1F engines

-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

PARTS MANUFACTURER APPROVAL NO. PQ1469CE
PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 73

DATED AUGUST 25, 2003

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

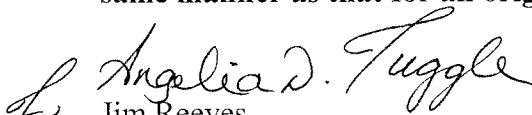
DEC Technologies, Inc.
501 Industrial Park Road
Piney Flats, Tennessee 37686

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>FAA Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Seal, Lip	DEC31-107-501	Garrett P/N 3237917-1	Identicality Per 14 CFR Part 21.303(c)(4) Dwg DEC31-107, Rev. A Dated 5/07/03 or later FAA Approval	General Electric	CF6-6 Series, -50 Series, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2A5F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2B8F, CF6-80C2D1F
Shaft, Shoulder, Output	DEC31-132-501	Allied Signal P/N 3238416-1	Identicality Per 14 CFR Part 21.303(c)(4) Dwg DEC31-132, Rev. A Dated 5/07/03 or later FAA Approval	General Electric	CF6-6 Series, CF6-50 Series, CF6-80A1, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2A5F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2B8F, CF6-80C2D1F

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>FAA Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Nut, Plain - Hexagon	DEC31-134-501	Airesearch P/N 974699-1	Identicity Per 14 CFR Part 21.303(c)(4) Dwg DEC31-134 Rev. B Dated 5/07/03 or later FAA Approval	General Electric	CF6-6 Series, CF6-50 Series, CF6-80A1, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2A5F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2B8F, CF6-80C2D1F
Bushing, Gimbal	DEC31-138-501	Airesearch P/N 3231354-1	Identicity Per 14 CFR Part 21.303(c)(4) Dwg DEC31-138 Rev. B Dated 5/07/03 or later FAA Approval	General Electric	CF6-6 Series, CF6-50 Series, CF6-80A1, CF6-80A3, CF6-80C2A1, CF6-80C2A2, CF6-80C2A3, CF6-80C2A5, CF6-80C2A8, CF6-80C2A5F, CF6-80C2B1, CF6-80C2B2, CF6-80C2B4, CF6-80C2B6, CF6-80C2B1F, CF6-80C2B2F, CF6-80C2B4F, CF6-80C2B5F, CF6-80C2B6F, CF6-80C2B6FA, CF6-80C2B7F, CF6-80C2B8F, CF6-80C2D1F

-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

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

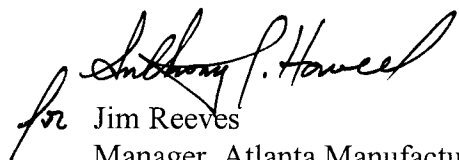
DEC Technologies, Inc.
501 Industrial Park Road
Piney Flats, TN 37686

PMA NO. PQ1469CE
SUPPLEMENT NO. 142
DATE: December 2, 2005

Part Name	Part Number	Approved Replacement For Part Number	Approved Basis and Approved Design Data	Make Eligibility	Model Eligibility
Nut, Plain Hexagon	DEC31-134-501	Airesearch P/N 974699-1	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC31-134 <u>Rev:</u> D <u>Date:</u> 04/29/05 or later FAA approved revisions	Boeing	747-400 Series
Nut, Plain Round	DEC31-135-501	Garrett P/N 3237582-1	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC31-135 <u>Rev:</u> B <u>Date:</u> 04/29/05 or later FAA approved revisions	Boeing	747-400 Series
Filter, Air	DEC61-024-501	Hamilton Sundstrand P/N 727604-1	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC61-024 <u>Rev:</u> B <u>Date:</u> 04/27/05 or later FAA approved revisions	Boeing	747-400 Series
Carrier Ring Gear	DEC61-025-501	Hamilton Sundstrand P/N 728843-1	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC61-025 <u>Rev:</u> B <u>Date:</u> 04/27/05 or later FAA approved revisions	Boeing General Electric	747-400 Series CF6-80C2B2 CF6-80C2B4 CF6-80C2B6
Spring, Clutch	DEC61-033-501 DEC61-033-503 DEC61-033-505	Hamilton Standard P/N 728832-9 P/N 728832-10 P/N 728832-11	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC61-033 <u>Rev:</u> B <u>Date:</u> 04/29/05 or later FAA approved revisions	Boeing	747-400 Series
	DEC61-033-507 DEC61-033-509	P/N 728832-13 P/N 728832-14	Identity per 14 CFR § 21.303 <u>Dwg:</u> DEC61-033 <u>Rev:</u> B <u>Date:</u> 04/29/05 or later FAA approved revisions	Boeing General Electric	747-400 Series CF6-80C2B2 CF6-80C2B4 CF6-80C2B6

-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