



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

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

February 12, 1998

Project No. PQ1469CE

Mr. Rick Rathbun
Project Engineer
DEC Technologies, Inc.
501 Industrial Park Road
P.O. Box 583
Piney Flats, TN 37686

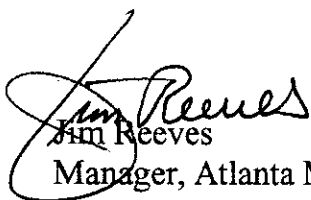
Dear Mr. Rathbun:

The statements dated February 11, 1998, certifying that DEC Technologies, Inc. has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed are accepted.

Transmitted herein is Production Approval Listing, Supplement No. 44, dated February 12, 1998, which grants approval for the production of the parts listed thereon, under the same conditions and limitations included in the Approval Letter of October 17, 1995.

Should you have any questions regarding this matter, you may wish to direct them to Mr. Nate Watts, of the Nashville MISO at (615) 781-5441.

Sincerely,



Jim Reeves

Manager, Atlanta Manufacturing
Inspection District Office

Enclosure

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

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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