

PARTS MANUFACTURER APPROVAL NO. PQ1469CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 52

DATED AUGUST 30, 1999

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
Thermocouple, Installation	DEC01-071-501	Pratt & Whitney P/N 50P066 Simmonds Precision P/N 5255	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC01-071, No Rev., dated 04/17/99, or Later FAA Approval	Pratt & Whitney	PW4050, PW4050-3, PW4052, PW4052-3, PW4056, PW4056-3, PW4060, PW4060-3, PW4060A, PW4060A-3, PW4060C, PW4062-3, PW4152, PW4152-3, PW4156A, PW4156A-3, PW4158, PW4158-3, PW4460, PW4460-3, PW4462 and PW4462-3
Seal, Stationary - Compressor Stator, Stage 7	DEC21-015-501	General Electric P/N 9513M95G01	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-015, Rev. A, dated 05/20/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, - 3B-2, -3C and - 3C-1
Seal, Stationary - Compressor Stator, Stage 7	DEC21-015-503	General Electric P/N 9513M95G02	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-015, Rev. A, dated 05/20/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, - 3B-2, -3C, -3C-1, -5-A1 and -5A3

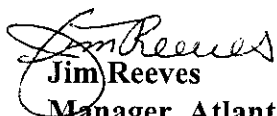
Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Seal, Stationary – Compressor Stator, Stage 4	DEC21-016-501	General Electric P/N 9513M94G01	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C and -3C-1
Seal, Stationary – Compressor Stator, Stage 5	DEC21-016-503	General Electric P/N 9513M94G02	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C and -3C-1
Seal, Stationary – Compressor Stator, Stage 6 & 8	DEC21-016-505	General Electric P/N 9513M94G03	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C and -3C-1
Seal, Stationary – Compressor Stator, Stage 4	DEC21-016-507	General Electric P/N 9513M94G04	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1 and -5A3
Seal, Stationary – Compressor Stator, Stage 5	DEC21-016-509	General Electric P/N 9513M94G05	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1 and -5A3
Seal, Stationary – Compressor Stator, Stage 6 & 8	DEC21-016-511	General Electric P/N 9513M94G06	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-016, Rev. A, dated 05/21/99, or Later FAA Approval	CFM International	CFM56-2, -2-C1, -2-C3, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1 and -5A3
Gasket, Metal	DEC21-035-501	General Electric P/N 9375M33P01	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-035, No Rev., dated 06/14/99, or Later FAA Approval	CFM International	CFM56-2, -3 and -5
Gasket, Metal	DEC21-035-503	General Electric P/N 9375M33P02	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-035, No Rev., dated 06/14/99, or Later FAA Approval	CFM International	CFM56-2, -3 and -5

Part Name	Part Number	Approved Replacement For	FAA Approval Basis & Approved Design Data	Installation Eligibility	Model
Seal, Fuel Nozzle Pad-Comb, Diff. & Nozzle	DEC21-036-501	General Electric P/N's 1359M89P01 And 1359M89P02	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-036, No Rev., dated 06/14/99, or Later FAA Approval	CFM International	CFM56-2, -3 and -5
Seal Ring, Metal	DEC21-037-501	General Electric P/N's 1499M34P06 And 1499M34P11	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-037, No Rev., dated 06/14/99, or Later FAA Approval	CFM International	CFM56-5
Seal, External Pressure	DEC21-038-501	General Electric P/N's 1359M84P06, 1359M84P08 and 1359M84P11	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC21-038, No Rev., dated 06/14/99, or Later FAA Approval	CFM International	CFM56-5
Sleeve, Pull Rod	DEC61-023-501	Hamilton Standard P/N 599681	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC61-023, Rev. A, dated 06/17/99, or Later FAA Approval	Pratt & Whitney	JT8D-1, -1A, -1B, -7, -7A, -9, -9A, -11, -15, -15A, -17, -17A, -17AR, -17R, -209, -217, -217A, -217C, -219, JFTD12A-4 and -5A
				McDonnell Douglas	DC-9 and MD-80
				Boeing	727 and 737
				Erickson Air Crane Company	S-64E and S-64F
				Columbia Helicopters, Inc.	CH-54A
				Chet Raspberry Inc.	CH-54A
				Aviation International Rotors, Inc.	CH-54A
				Silver Bay Logging, Inc.	CH-54A
				Blue Bird Helicopters	CH-54B

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Seal, CAM	DEC61-043-501	Hamilton Standard P/N 544180	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC61-043, Rev. B, dated 06/17/99, or Later FAA Approval	Pratt & Whitney	JT8D-1, -1A, - 1B, -7, -7A, -9, - 9A, -11, -15, - 15A, -17, -17A, - 17AR, -17R, - 209, -217, -217A, - -217C, -219, JFTD12A-4 and -5A
				McDonnell Douglas	DC-9 and MD- 80
				Boeing	727 and 737
				Erickson Air Crane Company	S-64E and S- 64F
				Columbia Helicopters, Inc.	CH-54A
				Chet Raspberry Inc.	CH-54A
				Aviation International Rotors, Inc.	CH-54A
				Silver Bay Logging, Inc.	CH-54A
				Blue Bird Helicopters	CH-54B
Shaft Assembly, Flexible	DEC71-026-501	G&H Technology Inc. P/N 140150-7	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-026, No Rev., dated 06/23/99, or Later FAA Approval	McDonnell Douglas	DC-10
Shaft Assembly, Flexible	DEC71-026-503	G&H Technology Inc. P/N 140150-8	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-026, No Rev., dated 06/23/99, or Later FAA Approval	McDonnell Douglas	DC-10
Shaft Assembly, Flexible	DEC71-027-501	G&H Technology Inc. P/N 140185-1	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-027, No Rev., dated 06/23/99, or Later FAA Approval	McDonnell Douglas	DC-10

<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>
Shaft Assembly, Flexible	DEC71-028-501	G&H Technology Inc. P/N 140227-3	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-028, No Rev., dated 07/06/99, or Later FAA Approval	Boeing	747
Shaft Assembly, Flexible	DEC71-028-503	G&H Technology Inc. P/N 140227-5	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-028, No Rev., dated 07/06/99, or Later FAA Approval	McDonnell Douglas	DC-10
Shaft Assembly, Flexible	DEC71-028-505	G&H Technology Inc. P/N 140227-6	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-028, No Rev., dated 07/06/99, or Later FAA Approval	McDonnell Douglas	DC-10
Shaft Assembly, Flexible	DEC71-029-501	G&H Technology Inc. P/N 140230-1	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-029, No Rev., dated 06/28/99, or Later FAA Approval	McDonnell Douglas	DC-10
Shaft Assembly, Flexible	DEC71-029-503	G&H Technology Inc. P/N 140230-2	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-029, No Rev., dated 06/28/99, or Later FAA Approval	McDonnell Douglas Boeing	DC-10 747
Shaft Assembly, Flexible	DEC71-030-501	G&H Technology Inc. P/N 140231-1	CFR 14 FAR 21.303(c)(4), Identity and Dwg. DEC71-030, No Rev., dated 06/29/99, or Later FAA Approval	McDonnell Douglas Boeing	DC-10 747

-END OF LISTING-


Jim Reeves

Manager, Atlanta Manufacturing
Inspection District Office

PARTS MANUFACTURER APPROVAL NO. PQ1469CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 54R

DATED OCTOBER 9, 2001
REVISED: October 17, 2001

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>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Seal Ring, Metal	DEC21-025-501	General Electric 1444M99P01 1444M99P03 1444M99P04	Identity per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-025, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-2, -2A, -2A-2, -2A-3, -2B, -2B-1, -2-C1, -2-C2, -2-C3, -2-C5, -2-C6, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1, -5A3, -5-A1/F, -5A4, -5A5, -5A4/F, -5A5/F, -5B1, -5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B6/P, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5C2, -5C2/F, -5C3/F, -5C2/G, -5C3/G, -5C4, -5C2/4, -5C2/F4, -5C2/G4, -5C3/F4, -5C3/G4, -5C4/1, -7B18, -7B20, -7B20/2, -7B22, -7B22/2, -7B24, -7B24/2, -7B26, -7B26/2, -7B26/B1, -7B27, -7B27/2, -7B27/B1, -7B27/B3


<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Gasket, Metal	DEC21-035-501	General Electric 9375M33P01	Identicality per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-035, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-2A, -2A-2, -2A-3, -2B, -2B-1, -2-C1,-2-C2, -2-C3, -2-C5, -2-C6, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1, -5A3, -5-A1/F, -5A4, -5A5, - 5A4/F, -5A5/F, -5B1,-5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B5/P, -5B6/P, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5C2, -5C2/F, -5C3/F, -5C2/G, -5C3/G, -5C4, -5C2/4, -5C2/F4, -5C2/G4, -5C3/F4, -5C3/G4, -5C4/1
Gasket, Metal	DEC21-035-503	General Electric 9375M33P02	Identicality per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-035, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-2A, -2A-2, 2A-3, -2B, -2B-1, -2-C1, -2-C2, -2-C3, -2-C5, -2-C6, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1, -5A3, -5-A1/F, -5A4, -5A5, - 5A4/F, -5A5/F,-5B1, -5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/P, -5B2/P, -5B3/P, 5-B4/P, -5B5/P, -5B6/P, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5C2, -5C2/F, -5C3/F, -5C2/G, -C3/G, -5C4, -5C2/4, -5C2/F4, -5C2/G4, -5C3/F4, -5C3/G4, -5C4/1

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Seal, Fuel ozzle Pad – Comb, Diff & Nozzle	DEC21-036-501	General Electric 1359M89P01 1359M89P02	Identity per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-0365, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-2A, -2A-2, -2A-3, -2B, -2B-1, -2-C1, -2-C2, -2-C3, -2 C5, -2-C6, -3, -3-B1, -3B, -3B-2, -3C, -3C-1, -5-A1, -5A3, -5-A1/F, -5A4, -5A5, -5A4/F, -5A5/F, -5B1, -5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/P, -5B2/P, -5B3/P, -B4/P, -5B5/P, -5B6/P, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B6/2P, -5C2, -5C2/F, -5C3/F, -5C2/G, -5C3/G, -5C4, -5C2/4, -5C2/F4, -5C2/G4, -5C3/F4, -5C3/G4, -5C4/1, -7B18, -7B20, -7B20/2, -7B22, -7B22/2, -7B24, -7B24/2, -7B26, -7B26/2, -7B26/B1, -7B27, -7B27/2, -7B27/B1, -7B27/B3
Seal Ring, Metal	DEC21-037-501	General Electric 1499M34P06 1499M34P11	Identity per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-037, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-5-A1, -5A3, -5-A1/F, -5A4, -5A5, -5A4/F, -5A5/F

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Seal External Pressure	DEC21-038-501	General Electric 1359M84P06 1359M84P08 1359M84P11	Identity per 14 CFR § 21.303 <u>Dwg No:</u> DEC21-038, <u>Rev:</u> A <u>Dated:</u> 09/13/01 or later FAA approved revisions	CFM International	CFM56-5-A1, -5A3, -5-A1/F, -5A4, -5A5, -5A4/F, -5A5/F, -5B1, -5B2, -5B4, -5B5, -5B6, -5B1/2, -5B2/2, -5B4/2, -5B6/2, -5B1/P, -5B2/P, -5B3/P, -5B4/P, -5B6/P, -5B1/2P, -5B2/2P, -5B3/2P, -5B4/2P, -5B5/P, -5B6/2P, -5C2, -5C2/F, -5C3/F, -5C2/G, -5C3/G, -5C4, -5C2/4, -5C2/F4, -5C2/G4, -5C3/F4, -5C3/G4, -5C4/1, -7B18, -7B20, -7B20/2, -7B22, -7B22/2, -7B24, -7B24/2, -7B26, -7B26/2, -7B26/B1, -7B27, -7B27/2, -7B27/B1, -7B27/B3

-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