



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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

EXTEX Engineered Products Inc.
340 E Germann, Suite 113
Gilbert Arizona 85297-0614 USA

PMA NO: PQ2203NM
SUPPLEMENT NO: 47
DATE: June 4, 2020

ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS AND APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Blade - High Pressure Compressor, 10 Stage	E50S610-01	50S610-01	<p>Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E50S610 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade - High Pressure Compressor, 10 Stage	E50S610-02	50S610-02	<p>Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E50S610 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade - High Pressure Compressor, 10 Stage	E50S610-03	50S610-03	<p>Identicity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E50S610 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade - High Pressure Compressor, 10 Stage	E50S610-04	50S610-04	<p>Identicity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E50S610 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade - High Pressure Compressor, 11 Stage	E51S011-01	51S011-01	<p>Identicity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E51S011 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade - High Pressure Compressor, 11 Stage	E51S011-02	51S011-02	<p>Identicity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E51S011 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade - High Pressure Compressor, 11 Stage	E51S011-03	51S011-03	<p>Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E51S011 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade - High Pressure Compressor, 11 Stage	E51S011-04	51S011-04	<p>Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E51S011 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4050, PW4052, PW4056, PW4060, PW4060A, PW4060C, PW4062, PW4062A, PW4152, PW4156, PW4156A, PW4158, PW4160, PW4460, PW4462, PW4650, PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4164C-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade – HPC, 10 STG	E55H110-01	55H110-01	Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E55H110 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 10 STG	E55H110-02	55H110-02	Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E55H110 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 10 STG	E55H110-03	55H110-03	Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E55H110 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade – HPC, 10 STG	E55H110-04	55H110-04	<p>Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E55H110 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 11 STG	E55H511-01	55H511-01	<p>Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E55H511 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 11 STG	E55H511-02	55H511-02	<p>Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020.</p> <p><u>Dwg No:</u> E55H511 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions</p>	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170



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Blade – HPC, 11 STG	E55H511-03	55H511-03	Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E55H511 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 11 STG	E55H511-04	55H511-04	Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E55H511 <u>Rev:</u> IR <u>Date:</u> 11/19/2019, or later FAA approved revisions	Pratt & Whitney	PW4164, PW4164-1D, PW4164C, PW4164C/B, PW4164C/B-1D, PW4168, PW4168-1D, PW4168A, PW4168A-1D, PW4170
Blade – HPC, 10 STG	E56H710-01	56H710-01	Identicality per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E56H710 <u>Rev:</u> IR <u>Date:</u> 11/20/2019, or later FAA approved revisions	Pratt & Whitney	PW4074, PW4074D, PW4077, PW4077D, PW4084, PW4084D, PW4090, PW4090-3, PW4090D, PW4098



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Blade – HPC, 10 STG	E56H710-02	56H710-02	Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E56H710 <u>Rev:</u> IR <u>Date:</u> 11/20/2019, or later FAA approved revisions	Pratt & Whitney	PW4074, PW4074D, PW4077, PW4077D, PW4084, PW4084D, PW4090, PW4090-3, PW4090D, PW4098
Blade – HPC, 10 STG	E56H710-03	56H710-03	Identity per 14 CFR §21.303, Licensing Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney, Assist Letter dated June 1, 2020. <u>Dwg No:</u> E56H710 <u>Rev:</u> IR <u>Date:</u> 11/20/2019, or later FAA approved revisions	Pratt & Whitney	PW4074, PW4074D, PW4077, PW4077D, PW4084, PW4084D, PW4090, PW4090-3, PW4090D, PW4098



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			<u>Dwg No:</u> E56H710 <u>Rev:</u> IR <u>Date:</u> 11/20/2019, or later FAA approved revisions		

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

NOTE: The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.

John Rigg (for)
Aviation Safety
Manager, Phoenix MIDO Section