



FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No. PQ2203NM  
Supplement No. 80  
Date 11/21/2023

<b>Article Name</b>	<b>Article Number</b>	<b>Approved Replacement for Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make/TCH Eligibility</b>	<b>Model/Series Eligibility</b>
Nut- Self Locking, Double Hex, .250-28 x .225	395034	395034	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 395034 <u>Rev:</u> F <u>Date:</u> 03/01/1984, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R
Pin- Shoulder, Headless .188 & .250 x .480	594015	594015	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 594015 <u>Rev:</u> A <u>Date:</u> 09/07/1988, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17, JT8D-17R

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat- #4 Bearing Seal	822683	822683	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 822683  <u>Rev:</u> A  <u>Date:</u> 03/27/2006, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R, JT8D-209, JT8D-217, JT8D-217A, JT8D-217C, JT8D-219
Cover- Fan Exhaust Duct	648034	648034	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 648034  <u>Rev:</u> --  <u>Date:</u> 04/29/1968, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17, JT8D-17R

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bolt-Machine, .250-28 x .812, Double Hex	741538	741538	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 741538  <u>Rev:</u> A  <u>Date:</u> 08/24/1973, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17,
Plate-Positioning, Turbine Stator Support Screw	762760	762760	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 762760  <u>Rev:</u> --  <u>Date:</u> 10/02/1975, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11,

<b>Article Name</b>	<b>Article Number</b>	<b>Approved Replacement for Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make/TCH Eligibility</b>	<b>Model/Series Eligibility</b>
Fairing-Diffuser Fan Duct	793520	793520	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 793520 <u>Rev:</u> A <u>Date:</u> 01/17/1985, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R
Ring- Air Sealing, Turbine, 3 Stage	568328	568328	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 568328 <u>Rev:</u> 2 <u>Date:</u> 06/02/1966, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17, JT8D-17R

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seal- #4 Bearing, Rear	625077	625077	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 625077  <u>Rev:</u> 5  <u>Date:</u> 10/28/1968, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17, JT8D-17R
Gearshaft-Spur, Gearbox, 29	814857	814857	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 814857  <u>Rev:</u> B  <u>Date:</u> 12/07/1995, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R, JT8D-209, JT8D-217A, JT8D-217, JT8D-217C, JT8D-219

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Case- Fan, Front, Assy of	727696	727696	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 727696  <u>Rev:</u> --  <u>Date:</u> 03/29/1972, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17
Vane- Turbine Stator, 3 Stage	577353CL4	577353CL4	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 577353  <u>Rev:</u> AD  <u>Date:</u> 10/23/2012, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17R

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Bracket-Angle	534172	534172	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 534172  <u>Rev:</u> --  <u>Date:</u> 10/08/1964, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	JT8D-1, JT8D-1A, JT8D-1B, JT8D-7, JT8D-7A, JT8D-7B, JT8D-9, JT8D-9A, JT8D-11, JT8D-15, JT8D-17, JT8D-17R
Washer-Key, 1.100 ID X 1.500 DIA X .031 Thick	439013	439013	<p>Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt &amp; Whitney File No. License Agreement LA06302 A12 dated 10/26/2023  <u>DWG No:</u> 439013  <u>Rev:</u> 1  <u>Date:</u> 09/16/1965, or later FAA approved revisions</p>	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R

<b>Article Name</b>	<b>Article Number</b>	<b>Approved Replacement for Article Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make/TCH Eligibility</b>	<b>Model/Series Eligibility</b>
Washer- Key, Turbine Rotor, 2 Stage	655421	655421	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 655421 <u>Rev:</u> A <u>Date:</u> 10/10/1996, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R, JT8D-209, JT8D-217, JT8D-217A, JT8D-217C, JT8D-219
Lock- Compressor Blade	741346	741346	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 741346 <u>Rev:</u> -- <u>Date:</u> 07/19/1973, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R, JT8D-209, JT8D-217, JT8D-217A, JT8D-217C, JT8D-219

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat- Ball Socket, Fan Exhaust Duct Strut	473181	473181	Identicality per 14 CFR §21.303, License Agreement between EXTEX Engineered Products Inc. and Raytheon Technologies Corp, Pratt & Whitney File No. License Agreement LA06302 A12 dated 10/26/2023 <u>DWG No:</u> 473181 <u>Rev:</u> A3 <u>Date:</u> 08/16/1965, or later FAA approved revisions	Pratt & Whitney United Technologies Corporation	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-17AR, JT8D-17R

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

**Note:** The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA certification branch, 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 certification branch. 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.

**REX L COX** Digitally signed by REX  
L COX  
Date: 2023.11.22  
12:33:04 -07'00'

For John P. Rigg  
Manager, Scottsdale Certificate Management Section, AIR-871  
West Certificate Management Branch  
System Oversight Division  
Aircraft Certification Service