

FAA – PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT

Seal Dynamics
 A HEICO Aerospace Company
 13780 McCormick Drive
 Tampa, Florida 33626

PMA NO.: PQ1715CE
SUPPLEMENT No.: ODA-SD-042
DATE: September 8, 2014

<u>Article Name</u>	<u>Part Number</u>	<u>Replacement For</u>	<u>Approval Basis and Approved Design Data</u>	<u>Eligibility (Make)</u>	<u>Eligibility (Model)</u>
Assembly, Actuator Ball Screw, Thrust Reverser	3238329QAS-2S	Honeywell P/N: 3238329-2	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-2S, Rev.: IR, Dated: 08/29/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Assembly, Ball Screw & Retractor Stop, Thrust Reverser	3238329QAS-19-2S	Honeywell P/N: 3238329-19-2A	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-19-2S, Rev.: IR, Dated: 08/29/14, 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 CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2A5F CF6-80C2B7F CF6-80C2B1F2 CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F CF6-80EA1 CF6-80E1A2 CF6-80E1A3 CF6-80E1A4 CF6-80E1A4/B
Ball Screw, Thrust Reverser	3238329-10QAS-1	Honeywell P/N: 3238329-10-2	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-10QSD-1, Rev.: IR, Dated: 08/29/14, 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 CF6-80E1A2 CF6-80E1A4

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Ball Screw, Retract Stop	3238329-51QAS	Honeywell P/N: 3238329-51	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-51QSD, Rev.: IR, Dated: 08/29/14, 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 CF6-80C2B1F2 CF6-80C2B6FA CF6-80C2B5F CF6-80C2B8F CF6-80E1A1 CF6-80E1A2 CF6-80E1A3 CF6-80E1A4, CF6-80E1A4/B
Ball Screw, Pin, Retract Stop, Forward	3238329-52QAS	Honeywell P/N: 3238329-52	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-52QSD, Rev.: IR, Dated: 08/28/14, 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 CF6-80E1A2 CF6-80E1A3 CF6-80E1A4

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Ball Screw, Pin, Retract Stop, Rear	3238329-55QAS	Honeywell P/N: 3238329-55	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-55QSD, Rev.: IR, Dated: 08/29/14, 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 CF6-80E1A2 CF6-80E1A3 CF6-80E1A4
Assembly, Ball Nut, Thrust Reverser	3238329QAS-501	Honeywell P/N: 3238329-21 / -22 / -23 / -26 / -54 / -250	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-501, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8, CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Bearing Ball, Ball Nut Assembly	3238329QAS-215	Honeywell P/N: 3238329-215	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-215, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4
Bearing Ball, Ball Nut Assembly	3238329QAS-220	Honeywell P/N: 3238329-220	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-220, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Bearing Ball, Ball Nut Assembly	3238329QAS-225	Honeywell P/N: 3238329-225	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-225, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4
Bearing Ball, Ball Nut Assembly	3238329QAS-230	Honeywell P/N: 3238329-230	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-230, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Bearing Ball, Ball Nut Assembly	3238329QAS-235	Honeywell P/N: 3238329-235	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-235, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4
Bearing Ball, Ball Nut Assembly	3238329QAS-240	Honeywell P/N: 3238329-240	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-240, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Bearing Ball, Ball Nut Assembly	3238329QAS-245	Honeywell P/N: 3238329-245	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-245, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4
Bearing Ball, Ball Nut Assembly	3238329QAS-250	Honeywell P/N: 3238329-250	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329QSD-250, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2A5F CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80C2B1F2 CF6-80E1A2 CF6-80E1A4

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Wiper, Grease	3238329-27QAS	Honeywell P/N: 3238329-27	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-27QSD, Rev.: IR, Dated: 08/28/14, 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 CF6-80C2B3F CF6-80C2B4F CF6-80C2B6F 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
Extend Stop, Ballscrew	3238329-50-2QAS	Honeywell P/N: 3238329-50-2	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-50-2QSD, Rev.: IR, Dated: 08/28/14, 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 CF6-80E1A2 CF6-80E1A4

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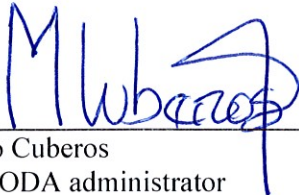
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Ball Screw, Pin, Extend Stop	3238329-53QAS	Honeywell P/N: 3238329-53	Tests and Computations per 14 CFR § 21.303, Dwg No.: 3238329-53QSD, Rev.: IR, Dated: 08/28/14, or later FAA approved revisions.	General Electric	CF6-80C2A1 CF6-80C2A2 CF6-80C2A3 CF6-80C2A5 CF6-80C2A8 CF6-80C2B1 CF6-80C2B2 CF6-80C2B4 CF6-80C2B6 CF6-80C2B1F CF6-80C2B2F CF6-80C2B4F CF6-80C2B6F CF6-80C2D1F CF6-80E1A2 CF6-80E1A3 CF6-80E1A4

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

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) and major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications must be accomplished in accordance with the FAA approved HEICO PMA ODA Procedures Manual.



 Marco Cuberos
 PMA ODA administrator
 HEICO Aerospace Corporation

This Supplement is an attachment to FAA-PMA approval letter dated August 28, 2003