



FAA

Manufacturing Inspection District Office, AIR-8A1

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

R&D Dynamics Corporation
49 West Dudley Town Road
Bloomfield, CT 06002

PMA NO. PQ1092NE
SUPPLEMENT NO.: 24 AMENDMENT 1
DATE: January 22, 2020

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Rotor - Turbine - 1st Stage	RD810161-1	810161-1	Test and Computations per 14 CFR § 21.303, DWG No: 616101, Rev: B Date: 10/15/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Rotor - 2nd Stage Turbine	RD810159-4	810159-4	Test and Computations per 14 CFR § 21.303, DWG No: 616102, Rev: A Date: 01/02/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Rotor - Compressor	RD810162-2	810162-2	Test and Computations per 14 CFR § 21.303, DWG No: 616103, Rev: B Date: 05/22/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Rotor and Nut - Fan	RD1000842-2	1000842-2	Test and Computations per 14 CFR § 21.303, DWG No: 616118, Rev: B Date: 10/15/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Fan - Cooling	RD810164-4	810164-4	Test and Computations per 14 CFR § 21.303, DWG No: 616104, Rev: B Date: 10/15/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.



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Nut - Retention	RD815188-3	815188-3	Test and Computations per 14 CFR § 21.303, DWG No: 616117, Rev: A Date: 12/11/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Shaft - Air Bearing	RD810167-3	810167-3	Test and Computations per 14 CFR § 21.303, DWG No: 616105, Rev: A Date: 12/26/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
Shaft - Fan End Air Bearing	RD810166-3	810166-3	Test and Computations per 14 CFR § 21.303, DWG No: 616106, Rev: A Date: 06/12/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
Journal Bearing - Turbine End	RD1000235-2	1000235-2	Test and Computations per 14 CFR § 21.303, DWG No: 616107, Rev: A Date: 12/20/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
Journal Bearing Assembly - Set, Fan End	RD1000234-2	1000234-2	Test and Computations per 14 CFR § 21.303, DWG No: 616108, Rev: A Date: 12/20/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.



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Bearing - Thrust Set	RD810183-2	810183-2	Test and Computations per 14 CFR § 21.303, DWG No: 616109, Rev: B Date: 08/12/19 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
				Airbus	A380-841, -842, -861
Bearing - Fan Thrust Set	RD810182-2	810182-2	Test and Computations per 14 CFR § 21.303, DWG No: 616110, Rev: B Date: 08/12/19 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
				Airbus	A380-841, -842, -861
Plate - Seal	RD810154-6	810154-6	Test and Computations per 14 CFR § 21.303, DWG No: 616111, Rev: A Date: 09/28/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
Ring - Seal	RD810163-2	810163-2	Test and Computations per 14 CFR § 21.303, DWG No: 616112, Rev: A Date: 12/07/12 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
				Airbus	A380-841, -842, -861



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Seal - Land	RDS810186-1	S810186-1	Test and Computations per 14 CFR § 21.303, DWG No: 616113, Rev: B Date: 09/11/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
				Airbus	A380-841, -842, -861
Seal - Land	RDS810186-3	S810186-3	Test and Computations per 14 CFR § 21.303, DWG No: 616114, Rev: B Date: 09/11/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series.
				Airbus	A380-841, -842, -861
Seal - Land	RDS810186-2	S810186-2	Test and Computations per 14 CFR § 21.303, DWG No: 616115, Rev: B Date: 09/11/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.
				Airbus	A380-841, -842, -861
Seal - Land	RDS810186-4	S810186-4	Test and Computations per 14 CFR § 21.303, DWG No: 616116, Rev: B Date: 09/11/13 or later FAA-approved revisions	Boeing	777-200 Series, 777-300 Series, 777-300ER Series, 777-200LR Series, 777F Series. 767-400ER Series.

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GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

A handwritten signature in blue ink, appearing to read "Michael Schwitz", written over a horizontal line.

for Kevin Dickert, Manager
Boston ACO Branch AIR-7B0

A handwritten signature in blue ink, appearing to read "Michael Sullivan", written over a horizontal line.

for Michael Sullivan, Acting Manager
Bradley MIDO Section AIR-8A1