



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.: 31 AMENDMENT 1
DATE: _____

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Wheel	RD204829-13	204829-13	Test and Computations per 14 CFR § 21.303, DWG No: 615101, Rev: A Date: 05/10/13 or later FAA-approved revisions	Airbus Boeing	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243. A330-200 Freighter Series: Models: A330-223F, A330-243F. A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343. A340-200 Series: Models: A340-211, -212, -213. A340-300 Series: Models: A340-311, -312, -313. A300: A300, Model B2-1A. A300, Model B2-1C. A300, Model B4-2C. A300, Model B2K-3C. A300, Model B4-103. A300, Model B2-203. A300, Model B4-203. A310: A310, Model 204. A310, Model 221. A310, Model 222. A310, Model 203. A310, Model 322. A310, Model 324. A310, Model 304. A310, Model 325. A300-600: A300, Model B4-601. A300, Model B4-603. A300, Model B4-620. A300, Model B4-605R. A300, Model B4-622R. A300, Model F4-605R. A300, Model F4-622R. A300, Model B4-622. A300, Model C4-605R Variant F.</p> <p>DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10) DC-10-10F, DC-10-40F, DC-10-15. MD-11, MD-11F, MD-10-10F, MD-10-30F.</p>
Impeller - CPRSR	RD2205467-1	2205467-1	Test and Computations per 14 CFR § 21.303, DWG No: 615102, Rev: A Date: 05/10/13 or later FAA-approved revisions	Airbus Boeing	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243. A330-200 Freighter Series: Models: A330-223F, A330-243F. A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343. A340-200 Series: Models: A340-211, -212, -213. A340-300 Series: Models: A340-311, -312, -313. A300: A300, Model B2-1A. A300, Model B2-1C. A300, Model B4-2C. A300, Model B2K-3C. A300, Model B4-103. A300, Model B2-203. A300, Model B4-203. A310: A310, Model 204. A310, Model 221. A310, Model 222. A310, Model 203. A310, Model 322. A310, Model 324. A310, Model 304. A310, Model 325. A300-600: A300, Model B4-601. A300, Model B4-603. A300, Model B4-620. A300, Model B4-605R. A300, Model B4-622R. A300, Model F4-605R. A300, Model F4-622R. A300, Model B4-622. A300, Model C4-605R Variant F.</p> <p>DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10) DC-10-10F, DC-10-40F, DC-10-15. MD-11, MD-11F, MD-10-10F, MD-10-30F.</p>



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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Impeller - Axial	RD2205576-1	2205576-1	Test and Computations per 14 CFR § 21.303, DWG No: 615103, Rev: A Date: 04/29/13 or later FAA-approved revisions	Airbus	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243.</p> <p>A330-200 Freighter Series: Models: A330-223F, A330-243F.</p> <p>A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343.</p> <p>A340-200 Series: Models: A340-211, -212, -213.</p> <p>A340-300 Series: Models: A340-311, -312, -313.</p>
Shaft – Thrust	RD2219667-2	2219667-2	Test and Computations per 14 CFR § 21.303, DWG No: 615104, Rev: A Date: 04/10/13 or later FAA-approved revisions	<p>Airbus</p> <p>Boeing</p>	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243.</p> <p>A330-200 Freighter Series: Models: A330-223F, A330-243F.</p> <p>A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343.</p> <p>A340-200 Series: Models: A340-211, -212, -213.</p> <p>A340-300 Series: Models: A340-311, -312, -313.</p> <p>A300: A300, Model B2-1A. A300, Model B2-1C. A300, Model B4-2C. A300, Model B2K-3C. A300, Model B4-103. A300, Model B2-203. A300, Model B4-203.</p> <p>A310: A310, Model 204. A310, Model 221. A310, Model 222. A310, Model 203. A310, Model 322. A310, Model 324. A310, Model 304. A310, Model 325.</p> <p>A300-600: A300, Model B4-601. A300, Model B4-603. A300, Model B4-620. A300, Model B4-605R. A300, Model B4-622R. A300, Model F4-605R. A300, Model F4-622R. A300, Model B4-622. A300, Model C4-605R Variant F.</p> <p>DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10) DC-10-10F, DC-10-40F, DC-10-15. MD-11, MD-11F, MD-10-10F, MD-10-30F.</p>



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PMA NO. PQ1092NE
 SUPPLEMENT NO.: 31 AMENDMENT 1
 DATE: _____

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shaft - Fan	RD2219668-1	2219668-1	Test and Computations per 14 CFR § 21.303, DWG No: 615105, Rev: A Date: 06/27/12 or later FAA-approved revisions	Airbus	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243.</p> <p>A330-200 Freighter Series: Models: A330-223F, A330-243F.</p> <p>A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343.</p> <p>A340-200 Series: Models: A340-211, -212, -213.</p> <p>A340-300 Series: Models: A340-311, -312, -313.</p> <p>A300: A300, Model B2-1A. A300, Model B2-1C. A300, Model B4-2C. A300, Model B2K-3C. A300, Model B4-103. A300, Model B2-203. A300, Model B4-203.</p> <p>A310: A310, Model 204. A310, Model 221. A310, Model 222. A310, Model 203. A310, Model 322. A310, Model 324. A310, Model 304. A310, Model 325.</p> <p>A300-600: A300, Model B4-601. A300, Model B4-603. A300, Model B4-620. A300, Model B4-605R. A300, Model B4-622R. A300, Model F4-605R. A300, Model F4-622R. A300, Model B4-622. A300, Model C4-605R Variant F.</p>
				Boeing	DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10) DC-10-10F, DC-10-40F, DC-10-15. MD-11, MD-11F, MD-10-10F, MD-10-30F.
Bushing	RD2205552-1	2205552-1	Test and Computations per 14 CFR § 21.303, DWG No: 615106, Rev: B Date: 7/9/2019 or later FAA-approved revisions	Airbus	<p>A330-200 Series: Models: A330-201, A330-202, A330- 203, A330-223, A330-243.</p> <p>A330-200 Freighter Series: Models: A330-223F, A330-243F.</p> <p>A330-300 Series: Models: A330-301, A330-302, A330- 303, A330-321, A330-322, A330-323, A330-341, A330-342, A330-343.</p> <p>A340-200 Series: Models: A340-211, -212, -213.</p> <p>A340-300 Series: Models: A340-311, -312, -313.</p> <p>A300: A300, Model B2-1A. A300, Model B2-1C. A300, Model B4-2C. A300, Model B2K-3C. A300, Model B4-103. A300, Model B2-203. A300, Model B4-203.</p> <p>A310: A310, Model 204. A310, Model 221. A310, Model 222. A310, Model 203. A310, Model 322. A310, Model 324. A310, Model 304. A310, Model 325.</p> <p>A300-600: A300, Model B4-601. A300, Model B4-603. A300, Model B4-620. A300, Model B4-605R. A300, Model B4-622R. A300, Model F4-605R. A300, Model F4-622R. A300, Model B4-622. A300, Model C4-605R Variant F.</p>
				Boeing	DC-10-10, DC-10-40, DC-10-30, DC-10-30F (KC-10A, KDC-10) DC-10-10F, DC-10-40F, DC-10-15. MD-11, MD-11F, MD-10-10F, MD-10-30F.



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Table with 6 columns: Article Name, Article Number, Approved Replacement for Article Number, Approval Basis and Approved Design Data, Make/TCH Eligibility, Model/Series Eligibility. Row 1: Seal - Turbine, RD2205673-1, 2205673-1, Test and Computations per 14 CFR § 21.303, Airbus, A330-200 Series, A330-200 Freighter Series, A330-300 Series, A340-200 Series, A340-300 Series, A300, A310, A300-600, DC-10-10, MD-11.

(END OF LISTING)

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.

Kevin Dickert, Manager
Boston ACO Branch AIR-7B0

Acting Manager
Bradley MIDO Section AIR-8A1