**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.: 10 Amdt 1
DATE: September 12, 2019

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|---|---|---|---|---|---|
| Wheel, Turbine, S/A | RD3455-013 | 3455-013 | Test and Computations per 14 CFR § 21.303, DWG No: 609101, Rev: C Date: 02/19/13 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Shaft, Compressor, S/A | RD3455-011 | 3455-011 | Test and Computations per 14 CFR § 21.303, DWG No: 609102, Rev: A Date: 11/8/02 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Wheel, Fan | RD3455-4 | 3455-4 | Test and Computations per 14 CFR § 21.303, DWG No: 609103, Rev: B Date: 01/21/04 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Rod, Tie | RD3455-8 | 3455-8 | Test and Computations per 14 CFR § 21.303, DWG No: 609104, Rev: A Date: 11/4/02 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |

## FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ1092NE
SUPPLEMENT NO.: 10 Amdt 1
DATE: September 12, 2019

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|---|---|---|---|---|---|
| Ring, Sealing, Shrunk | RD3455-070 | 3455-070 | Test and Computations per 14 CFR § 21.303, DWG No: 609106, Rev: E Date: 05/23/17 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Ring, Sealing, Shrunk | RD3455-080 | 3455-080 | Test and Computations per 14 CFR § 21.303, DWG No: 609107, Rev: D Date: 10/29/13 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Stop | RD3455-6 | 3455-6 | Test and Computations per 14 CFR § 21.303, DWG No: 609108, Rev: A Date: 11/6/02 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Support, Spring | RD3451-020A | 3451-020A | Test and Computations per 14 CFR § 21.303, DWG No: 609110, Rev: C Date: 02/05/04 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |

# FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

R&D Dynamics Corporation
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PMA NO. PQ1092NE
SUPPLEMENT NO.: 10 Amdt 1
DATE: September 12, 2019

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|---|---|---|---|---|---|
| Disk, Stiffener | RD3451-46A | 3451-46A | Test and Computations per 14 CFR § 21.303, DWG No: 609111, Rev: A Date: 9/26/02 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Bearing, Thrust Turbine Side (CW) | RD3451-018A | 3451-018A | Test and Computations per 14 CFR § 21.303, DWG No: 609112, Rev: D Date: 03/01/12 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Bearing, Thrust Compressor Side (CCW) | RD3451-019A | 3451-019A | Test and Computations per 14 CFR § 21.303, DWG No: 609113, Rev: D Date: 03/01/12 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |
| Journal Bearing Assembly, Turbine | RD3455-64 | 3455-64 & S975A050 | Test and Computations per 14 CFR § 21.303, DWG No: 609115, Rev: C Date: 02/13/03 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |

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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 |
|---|---|---|---|---|---|
| Journal Bearing Assembly, Fan | RD3455-65 | 3455-65 & S975A050 | Test and Computations per 14 CFR § 21.303, DWG No: 609116, Rev: C Date: 02/13/03 or later FAA-approved revisions | Airbus | A318 Series<br>A318 Model -111,-112,-121 & -122.<br>A319 Series<br>A319 Model -111,-112,-113,-114,-115, -131,-132,-133 & -151N.<br>A320 Series<br>A320 Model -111,-211,-212,-214,-216,-231, -232,-233,-251N,-252N,-271N & -272N.<br>A321 Series<br>A321 Model -111,-112,-131,-211,-212,-213, -231,-232,-251N,-252N,-253N,-271N,-272N, -251NX,-252NX,-253NX,-271NX & -272NX. |

---------- (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.

Michael Schwetz

FOR **Kevin Dickert, Manager**
**Boston ACO Branch AIR-7B0**

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