



FAA

Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ1092NE
SUPPLEMENT NO.: 35 Amdt. 1
DATE: July 25, 2017

| Article Name | Article Number | Approved Replacement for Article Number | Approval Basis and Approved Design Data | Make/TCH Eligibility | Model/Series Eligibility |
|--------------------|----------------|---|--|----------------------|---|
| Rotor, Compressor | RD806268-1 | 806268-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614202, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Fan, Cooling | RD815245-2 | 815245-2 | Test and Computations per 14 CFR § 21.303, DWG No: 614203, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER |
| Shaft, Air Bearing | RD806264-4 | 806264-4 | Test and Computations per 14 CFR § 21.303, DWG No: 614205, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |



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|----------------------|----------------|---|---|----------------------|---|
| Diffuser, Compressor | RD815242-1 | 815242-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614207, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Plate, Seal | RD806253-1 | 806253-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614210, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Plate (NP) | RD806253-11 | 806253-11 | Test and Computations per 14 CFR § 21.303, DWG No: 614211, Rev: B Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |



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|-----------------|----------------|---|---|----------------------|---|
| Seal | RD806253-21 | 806253-21 | Test and Computations per 14 CFR § 21.303, DWG No: 614212, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Plate, Backup | RD806279-1 | 806279-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614213, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Nozzle, Turbine | RD815243-2 | 815243-2 | Test and Computations per 14 CFR § 21.303, DWG No: 614214, Rev: B Date: 10/14/16 or later FAA-approved revisions | Embraer | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER |



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|----------------|----------------|---|---|----------------------|---|
| Spacer, Nozzle | RD806252-1 | 806252-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614216, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Seal | RD815239-21 | 815239-21 | Test and Computations per 14 CFR § 21.303, DWG No: 614217, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| Washer, Flat | RD732108-7 | 732108-7 | Test and Computations per 14 CFR § 21.303, DWG No: 614218, Rev: B Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |



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|--------------|----------------|---|---|----------------------|---|
| Shim, Solid | RD806254-1 | 806254-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614219, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| | RD806254-2 | 806254-2 | | | |
| | RD806254-3 | 806254-3 | | | |
| | RD806254-4 | 806254-4 | | | |
| | RD806254-5 | 806254-5 | | | |
| | RD806254-6 | 806254-6 | | | |
| | RD806254-7 | 806254-7 | | | |
| Shim, Solid | RD806256-1 | 806256-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614220, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| | RD806256-2 | 806256-2 | | | |
| | RD806256-3 | 806256-3 | | | |
| | RD806256-4 | 806256-4 | | | |
| | RD806256-5 | 806256-5 | | | |
| | RD806256-6 | 806256-6 | | | |
| Shim, Solid | RD806255-1 | 806255-1 | Test and Computations per 14 CFR § 21.303, DWG No: 614221, Rev: A Date: 10/14/16 or later FAA-approved revisions | Embraer Saab | EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER SAAB 2000 |
| | RD806255-2 | 806255-2 | | | |
| | RD806255-3 | 806255-3 | | | |
| | RD806255-4 | 806255-4 | | | |
| | RD806255-5 | 806255-5 | | | |
| | RD806255-6 | 806255-6 | | | |
| | RD806255-7 | 806255-7 | | | |

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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.

for Kevin Dickert, Manager
Boston Aircraft Certification Office

for Eileen Murphy, Manager
Bradley Manufacturing Inspection
District Office