



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Engine & Propeller Directorate

Manufacturing Inspection District Office 41  
1699 King Street, Suite 206  
Enfield, CT 06082  
Phone: (860) 386-1850  
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January 18, 2017

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

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on test and computation submitted by R & D Dynamics, Inc., with your letter dated January 9, 2017, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that R & D Dynamics, Inc., has established the quality system required by § 21.307 at 49 West Dudley Town Road, Bloomfield, CT. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 34.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated April 23, 2013, also apply to the enclosed PMA Listing-Supplement No. 34. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Eileen Murphy, Manager  
Bradley Manufacturing Inspection District Office

Enclosure:  
PMA Listing-Supplement No. 34



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.: 34  
DATE: January 18, 2017

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shaft Assembly	RD1600D020	1600D020	Test and Computations per 14 CFR 21.303. DWG No.: 602103 Rev: E Date: 10/14/16 or later FAA-approved revisions.	ATR	ATR-42-500.  ATR72-101,-102,-201,-202,-211,-212,-212A.

----- (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.

Nicholas Faust, Acting Manager  
Boston Aircraft Certification Office

Eileen Murphy, Manager  
Bradley Manufacturing Inspection  
District Office