



Service Instruction

ENGINE COMPONENTS, INC.

S.I. No.: **99-3**

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**Title: CONTINUING AIRWORTHINESS DATA FOR ECi®
CYLINDERS FITTED TO P&W 1340 SERIES ENGINES**

Issued: **01/06/99**

Revision: **3 (11/07/05)**

Technical Portions are FAA DER Approved.

1.0 PURPOSE: Continued Airworthiness Instructions.

2.0 ASSEMBLY AND INSTALLATION: Replacement cylinders for Pratt & Whitney 1340 engines are manufactured by Engine Components, Inc. (ECi®) under FAA PMA No. PQ3SW. These cylinders are designed to be direct replacements for the Pratt & Whitney cylinder assemblies. These cylinders should be assembled to the complete assembly level using the Pratt & Whitney 1340 (Wasp) Parts Manual No 86013 and Overhaul Manual or other FAA Approved data. The Pratt & Whitney manuals should be consulted for installation practices, torque values and operational data. Reference is made to ECi Service Instruction 92-9-6 for information on “Cylinder Removal and Reinstallation, ECi Service Instruction 88-7-1 for “Break-In Instructions for Engine Overhaul or Cylinder Replacement” and ECi Service Instruction 89-5-1 entitled “Engine Trouble Shooting Guide”.

3.0 AIRWORTHINESS DIRECTIVE 99-11-02: The FAA’s Engine Certification Office has granted Engine Components, Inc. an exemption from AD 99-11-02 in a letter dated September 20, 1999 and signed by Mr. Mark Fulmer, Manager.

4.0 INSTALLATION ELIGIBILITY: See Table Below:

PART NAME	EC PART NO.	P&W PART NUMBER REPLACED	ELIGIBLE FOR INSTALLATION ON
CYLINDER ASSEMBLY	AE92181	92181, 20578, 366249, 357285	WASP, 1340-E, -19, -22, -29, -36, -40, -47, -49, -49M1, -51, -53, -59, -61, AN-1, AN-2, S1H1, S1H1G, S1H2, S1H4, S1H5-G, S3H1, S3H1-G, S3H2.

NOTE: Military models of the R-1340 (-E, 19, 22, 29, 36, 40, 47, 49, 49M1) are listed in Type Certificate Datasheet 5E2