

80-01-04 TELEDYNE CONTINENTAL MOTORS: Amendment 39-3647. Applies to Continental IO-520 and TSIO-520 series engines incorporating cylinder assemblies which have been rebarrelled by Airmotive Engineering Corporation.

Compliance is required within the next 50 hours time in service after the effective date of this AD, unless already accomplished, except aircraft may be flown in accordance with FAR 21.197 to a base where the maintenance required by this AD may be performed.

To prevent failure of cylinder holddown flanges, accomplish the following:

Inspect to determine if Airmotive Engineering Corporation rebarreled cylinders, Part Numbers AE-C-631397 T.T., AE-C-639272 T.T., and AE-C-639274 T.T., are installed. If installed, inspect cylinders for .050 inch minimum corner radius in the area spot faced for installation of holddown nuts. Airmotive Engineering Corporation Service Alert dated September 28, 1979, covers this also. Replace all cylinders found without the proper radius. The cylinder part numbers are marked on the flat area of the cylinder holddown flanges on the intake valve side. These cylinder assemblies may have been installed during overhaul or unscheduled maintenance.

Airmotive Engineering Corporation Service Alert dated September 28, 1979, pertains to and provides instructions for accomplishing the intent of this AD.

The manufacturer's procedures identified and described in this directive are incorporated herein and made a part hereof pursuant to 5 U.S.C. 552(a)(1). All persons affected by this directive who have not already received these documents from the manufacturer may obtain copies upon request to Airmotive Engineering Corporation, 9131 Directors Row, Dallas, Texas 75247. These documents may also be examined at Office of the Regional Counsel, Southwest Region, Federal Aviation Administration, 4400 Blue Mound Road, Fort Worth, Texas.

Equivalent means of compliance with the modification prescribed by this AD may be approved by the Chief, Engineering and Manufacturing Branch, Flight Standards Division, Southwest Region, Federal Aviation Administration, Post Office Box 1689, Fort Worth, Texas 76101.

This amendment becomes effective January 25, 1980.