

# Beechcraft SERVICE BULLETIN

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MODEL E35

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SUBJECT: REMOVAL OF RPM RESTRICTIONS, E-225-8 ENGINE

AIRCRAFT AFFECTED: Model E35 Bonanzas equipped with Continental E-225-8 Engines, serials prior to D-3785.

DESCRIPTION OF CHANGE: Additional tests, conducted since the introduction of the Continental E-225-8 engine on the Bonanza, indicate that the restricted rpm range, from 2100 to 2200, imposed on early production, is not necessary provided propeller blade maintenance is adequate. Therefore, this restriction, placarded on the instrument panel and marked with a red arc on the tachometer, may be ignored or removed. The placard and red arc were removed from production airplanes D-3785 and after.

ACCOMPLISHMENT: If desired, the placard printed on the instrument panel may be stripped and the panel repainted, and a qualified instrument repair shop can remove the red arc on the tachometer dial, between 2100 and 2200, replacing it with a green arc. A revised CAA-Approved Airplane Flight Manual, with the placard and tachometer listings corrected, must be placed in the airplane.

## NOTE

Although the vibration encountered between 2100 and 2200 rpm with the E-225-8 engine, when operated at higher manifold pressures, is not sufficient to warrant restricting operation in this range, it does make essential good maintenance of the propeller blades, especially between Blade Stations 35 and 42 and back approximately 1-1/2 inches from the blade leading edge. This area must be kept free of nicks, scratches and gouges which might cause stress concentrations and result in blade failures. Blade maintenance must be in accordance with Section VI of the Bonanza Maintenance Manual, P/N 35-590057-3, as revised January 15, 1954.

PARTS REQUIRED: The CAA-Approved Airplane Flight Manual, revised April 16, 1954 (Part 35-590069-12) contains this change. This manual or one bearing a later revised date will be required for compliance with CAA regulations.

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