

**TEXTRON** Lycoming

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
717/323-6181

**MANDATORY**  
**SERVICE BULLETIN**

**DATE:** February 24, 1997 Service Bulletin No. 526  
Engineering Aspects are  
FAA Approved

**SUBJECT:** Replacement of Impulse Coupling Springs or Impulse Coupling Assembly on TCM (Bendix) D-2000 and D-3000 Impulse Dual Magnetos

**MODELS AFFECTED:** The following Textron Lycoming engines employing D-2000 or D-3000 TCM (Bendix) dual magnetos with impulse couplings:

**O-320-H2AD; O-360-A1AD, -A1F6D, -A1G6D, -A1LD, -A3AD, -A4AD, -A5AD, -E1A6D; IO-360-A1B6D, -A1D6D, -A3B6D, -A3D6D, -C1E6D, -J1A6D; HIO-360-E1AD; LO-360-A1G6D, -E1A6D; LTO-360-E1A6D; TO-360-C1A6D, -E1A6D, -F1A6D; TIO-360-C1A6D; O-540-J1A5D, -J1C5D, -J2A5D, -J2C5D, -J3A5D, -J3C5D, -L3C5D; IO-540-C4D5D, -K1A5D, -K1B5D, -K1E5D, -K1G5D, -L1A5D, -M1B5D, -T4A5D, -T4B5D, -U1A5D, -U1B5D, -V4A5D, -W1A5D, -W3A5D; AEIO-540-L1B5D; TIO-540-S1AD, -AB1AD, -AB1BD.**

**TIME OF COMPLIANCE:** Before next flight for all new or overhauled dual D-2000 and D-3000 impulse magnetos in service more than 4 years.  
Dual D-2000 and D-3000 impulse magnetos in service less than 4 years, compliance at engine overhaul or 4 years, whichever is sooner (or earlier at owner's discretion).

Textron Lycoming has received several reports from the field that dual D-2000 and D-3000 impulse coupling springs in service more than 4 years have broken in flight. These impulse coupling springs should have been replaced after 4 years in service in accordance with Teledyne Continental Motors Service Bulletin No. SB643, which requires magneto overhaul every 4 years or at engine overhaul, whichever is sooner.

This overhaul should be made in accordance with TCM (Bendix) instructions in their Service Support Manual, number X42003 (latest revision) for the D-3000 series High Tension Ignition Systems. Be sure to install a new impulse coupling spring during the magneto overhaul as specified by the TCM publication.

**WARNING**

***FAILURE TO COMPLY WITH THIS SERVICE BULLETIN MAY RESULT IN A TOTAL LOSS OF ENGINE POWER.***

