

**SERVICE BULLETIN**

**SB08-12**

Contains Important Information Pertaining to Your Aircraft Engine.  
Compliance will enhance safety.

**Technical Portions FAA  
Approved**

**SUBJECT:** Crankshaft Gear Supersedure

**PURPOSE:** To supersede SANDCAST crankshaft gears part number 536421 and 653631

**COMPLIANCE:** At the next maintenance requiring complete disassembly of the engine, no later than published TBO.

**MODELS**

**AFFECTED:** ALL O470, IO470, TSIO470, IO520, LIO520, LTSIO520, TSIO520, IO550 and IOF550 SANDCAST engines.

By this bulletin, Teledyne Continental Motors announces the mandatory replacement by supersedure of SANDCAST crankshaft gears part number 536421 and 653631. The current replacement crankshaft gear part number is 657175.


Replace all 536421 and 653631 crankshaft gears with the current replacement part number, 657175 or subsequent part number. Crankshaft gear replacement to be completed no later than the next engine disassembly or published TBO following the original issue date of this bulletin.

The 536421 crankshaft gear measures .565 inches thick (nominal) at the gear tooth area, when measured from the front to the back of the gear. The 653631 crankshaft gear measures .562 inches thick (nominal) at the gear tooth area, when measured from the front to the back of the gear. The 657175 crankshaft gear measures .690 inches thick (nominal) at the gear tooth area, when measured from the front to the back of the gear. This measurement does not include the reduced dimension pilot area on the back of the 657175. Use these measurements to confirm which gear part number is installed.

The 657175 gears are in stock and may be ordered through any TCM distributor.

To facilitate supersedure of the 536421 and 653631 crankshaft gears, Teledyne Continental Motors, for a limited time, will offer a special price on the purchase of all 657175 (and subsequent part number) gears. The list price of the 657175 crankshaft gear has been reduced to \$400.00 (I). A core charge of \$200.00 will be charged on separate invoice pending return of the superseded gear 536421 or 653631. Core value will be issued for return of these part number gears only. All returns must be accompanied by engine Model and Serial Number information to confirm engine information and receive core credit.

For questions, please call TCM Tech Service at 888-826-5465

ISSUED			REVISED			 Teledyne Continental Motors, Inc. P.O. BOX 90 MOBILE, AL 36601 251-438-3411	PAGE NO	REVISION
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