

MANDATORY SERVICE BULLETIN

DATE: October 6, 2006 Service Bulletin No. 544B
(Supersedes Service Bulletin No. 544A)

SUBJECT: Bearing Replacement – Part Identification

MODELS AFFECTED: All Lycoming TIO-540-AE2A aircraft engines.

TIME OF COMPLIANCE: At overhaul or any time main or connecting rod bearings are replaced.

Although various bearings may fit different engines interchangeably, there are differences in material and construction that restrict the use of specific bearings to specific engine models.

In the TIO-540-AE2A engine, the following are the only bearings approved for use:

Main Crankshaft Bearing	- Use only LW-14830
Front Main Crankcase Bearing	- Use only 18A19399
Connecting Rod Bearings	- Use only LW-16143

NOTES

Main crankshaft bearing P/N LW-14830 has superseded P/N 18E22677, front main crankcase bearing P/N 18A19399 has superseded P/N LW-13885, and connecting rod bearing P/N LW-16143 has superseded P/N 18M22676. The superseded bearings are no longer used in TIO-540-AE2A engines manufactured, rebuilt, overhauled or repaired by Lycoming. At overhaul or upon removal from the TIO-540-AE2A engine, use P/N LW-14830 instead of P/N 18322677, use P/N 18A19399 instead of P/N LW-13885, and use P/N LW-16143 instead of P/N 18M22676.

Main crankshaft bearings must be used only in complete engine sets of identical part numbers.

Front main crankcase bearings must be used only in complete engine sets of identical part numbers.

Connecting rod bearings must be used only in rod sets of identical part numbers.

See latest revision of Service Bulletin No. 240 for replacement data.