

»» **Service Letter**

Technical Aspects are FAA Approved

**Number: L86-03B**

**Replaces L86-03A**

**Date:** 07/02/2004

**Subject:** New impeller gear kits.

**Applications:** Lycoming Engine Models O-235, O-320, IO-320, LIO-320, O-360, IO-360, HIO-360, VO-360, IVO-360, AIO-360, LIO-360, TO-360, TIO-360, \*O-540, \*IO-540

\*This service letter does not apply to O-540 and IO-540 series engines built with large capacity oil pumps and dual magnetos

**Compliance:** ALL engine types listed above which currently are equipped with SL60746 or 60746 and SL13775 LW-13775 oil pump gears.

The new impellers consist of a nitride hardened driving impeller SL18109A identified with a (N) marked on a tooth and carburized driven impeller SL18110A identified with a (C) marked on a tooth. These new impellers have been improved to provide a maximum of service life and resistance to wear and abrasion. Although the new impellers appear to be similar to previous designs, they must not be mixed. Therefore, the SL18109A and SL18110A will be offered in a kit only to assure that both gears are installed together. The kit part number will be SL18109A-S.

The SL60746 driving impeller and SL13775 driven impeller are no longer available. All impeller replacements should be accomplished by following current FAA approved service information.

**PART NUMBER INFORMATION**

OLD NUMBER

NEW NUMBER

SL60746  
60746

is superseded by  
is superseded by

SL18109A Driving Impeller  
SL18109A Driving Impeller

SL13775  
LW13775

is superseded by  
is superseded by

SL18110A Driven Impeller  
SL18110A Driven Impeller

The new impellers are supplied in kits only.

Impeller Kit

SL-18109A-S contains SL18109A and SL18110A impellers.

**NOTE:** *Users must comply with all applicable bulletins, letters, instructions and Airworthiness Directives referring to the installation or use of these parts.*