

>>> Service Letter

Technical Aspects are FAA Approved

**Number: L06-02 A
INITIAL RELEASE**

Date: 10/25/2006

Subject: Overhaul and repair of Superior Air Parts' PMA Camshafts for use in Lycoming engines

Application:

Camshaft Assy	Engine Applications
SL18840 SL19340 SL75706 SL18843	See Superior Air Parts Service Letter L06-01, latest revision for Engine models

Compliance: Any time the Camshaft Assembly is removed for overhaul and/or repair

Camshaft Assembly

The Superior Camshaft Assemblies are machined from aircraft quality, SAE 8600 Series alloy steel, carburized and precision ground to finished dimensions.

Inspection

The camshaft should be visually inspected for abnormal wear or damage, paying close attention to the cam lobes, bearing journals and gear teeth. The camshaft assembly is to be magnetic particle inspected per ASTM E1444 and accepted per MIL-STD-1907, grade A (or other FAA approved repair station procedure). The bushing is a PMA part and is shown in Figures 1, 2 and 3. The allowable journal clearance in crankcase, runout, and gear backlash are also shown in Figures 1, 2 and 3.

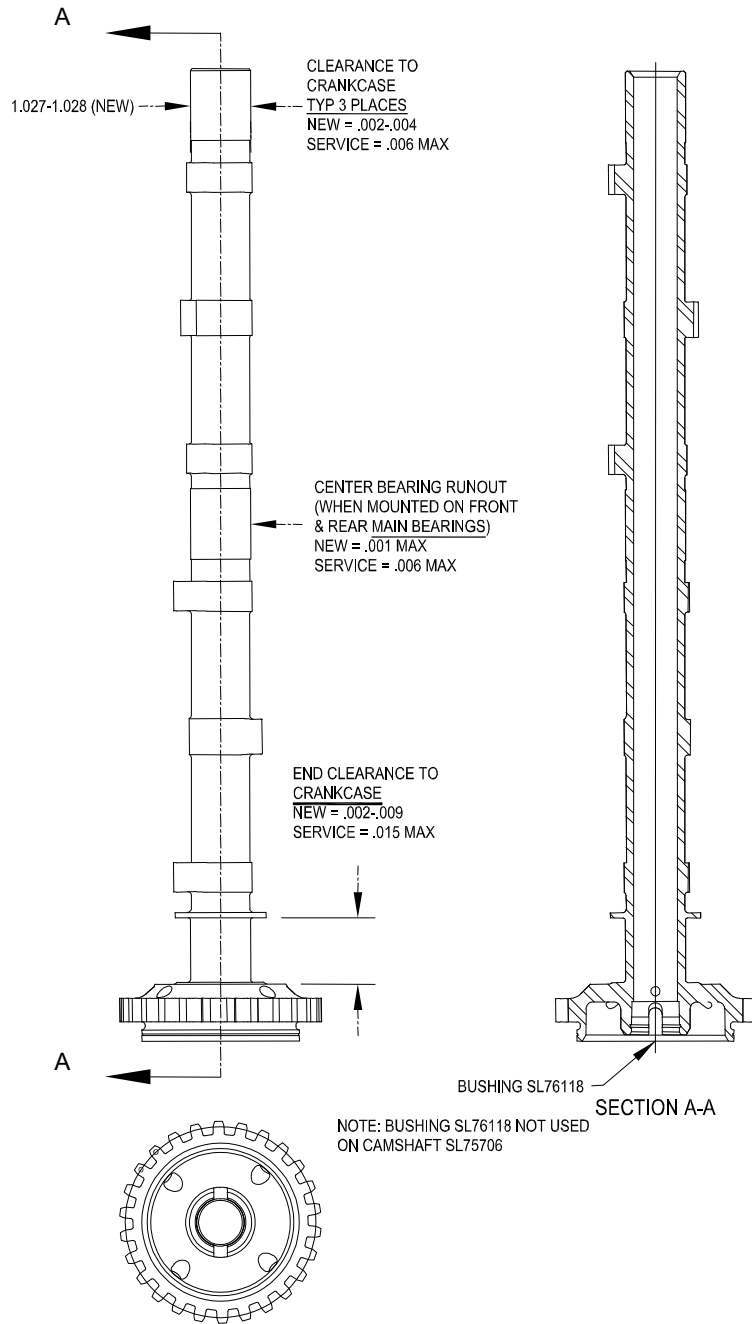


Figure 1
SL18840 & SL75706 Camshaft Assemblies

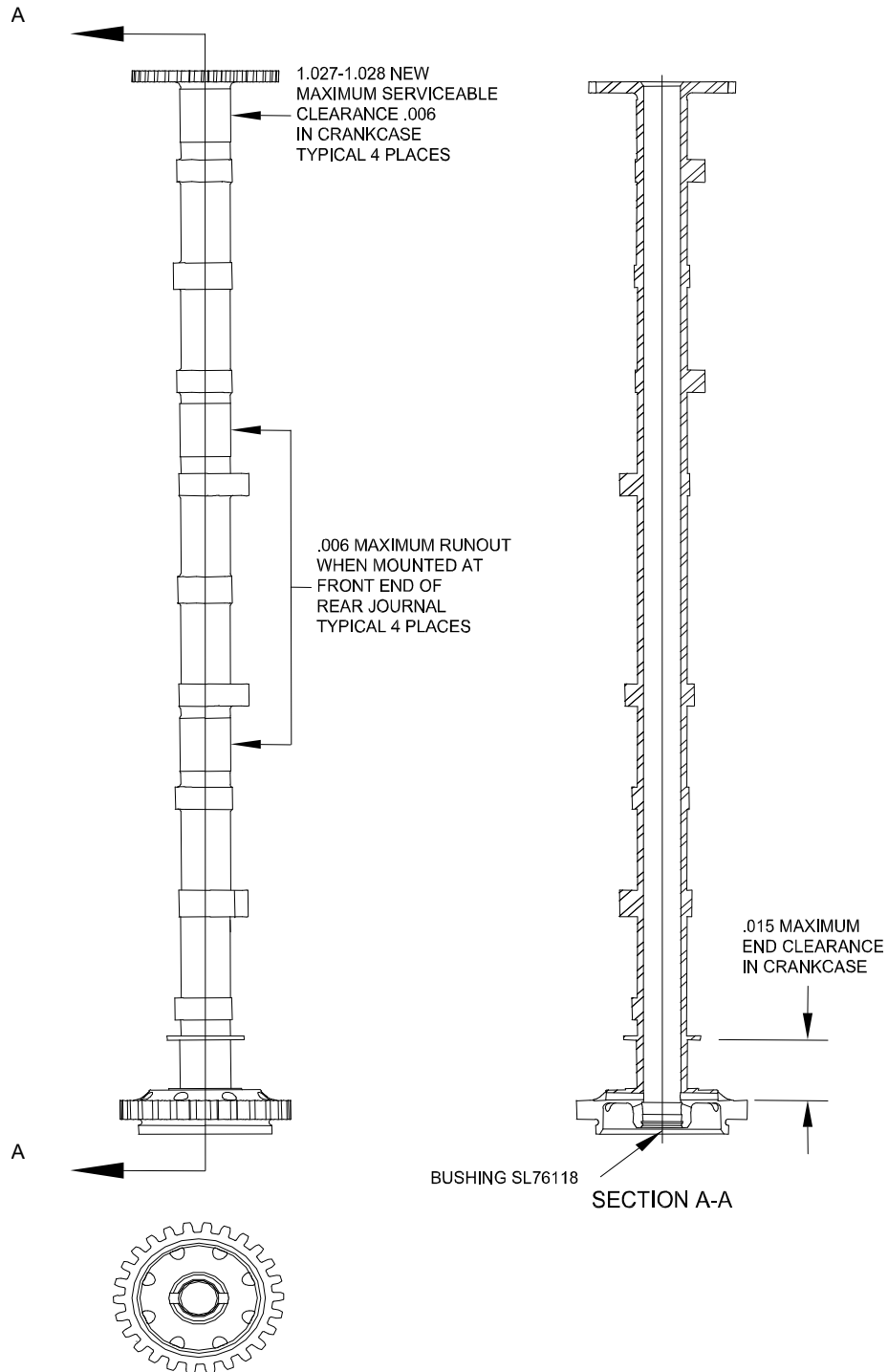


Figure 2
SL19340 Camshaft Assy