

»» Service Letter

Technical Aspects are FAA-DER Approved

Number: L08-03 C

Replaces L08-03B

Date: 08-17-2009

Subject: Lifting of TBO Limitation on SAC52001 Rev J Castings

Engine Application: Teledyne Continental 470, 520, and 550 engines

Time of Compliance: Any time Superior cylinders are installed

This Service Letter replaces and supersedes Service Letter No. L08-03, Revision B, that removed the 800 hour TBO for certain Superior PMA replacement cylinders for TCM 470, 520 and 550 series engines.

Superior has successfully completed requalification testing of the subject cylinder head casting. FAA Approval has been received and full TCM TBO is again granted to all Superior PMA replacement cylinder assemblies listed in the table below, regardless of cylinder head casting revision level.

Stud Assy	Valve Assy	Power Assy	Applications
SA47006S-A1	SA47006S-A2	SA47006S-A20P	O-470-G, G-CI, M, M-CI, P IO-470-C, G, P, R, T
		SA47006S-A21P	O-470-K, K-CI, L, L-CI, R, S
SA47006L-A1	SA47006L-A2	SA47006L-A20P	O-470-U IO-470-D, E, F, H, L, LO, M, N, S, U, V, VO
SA52006-A1	SA52006-A2	SA52006-A20P	IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB
		SA52006-A21P	IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB
		SA52006-A22P	TSIO-520-A, AF, B, BB, C, CE, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, VB, WB
		SA52006-A23P	IO-550-A, B, C IOF-550-B, C
SA55006-A1	SA55006-A2	SA55006-A20P	IO-550-D, E, F, L IOF-550-D, E, F, L

The figures below identify the configurations of Superior cylinder heads used on the TCM 470/520/550 replacement cylinders, both of which are now approved for full TCM TBO.

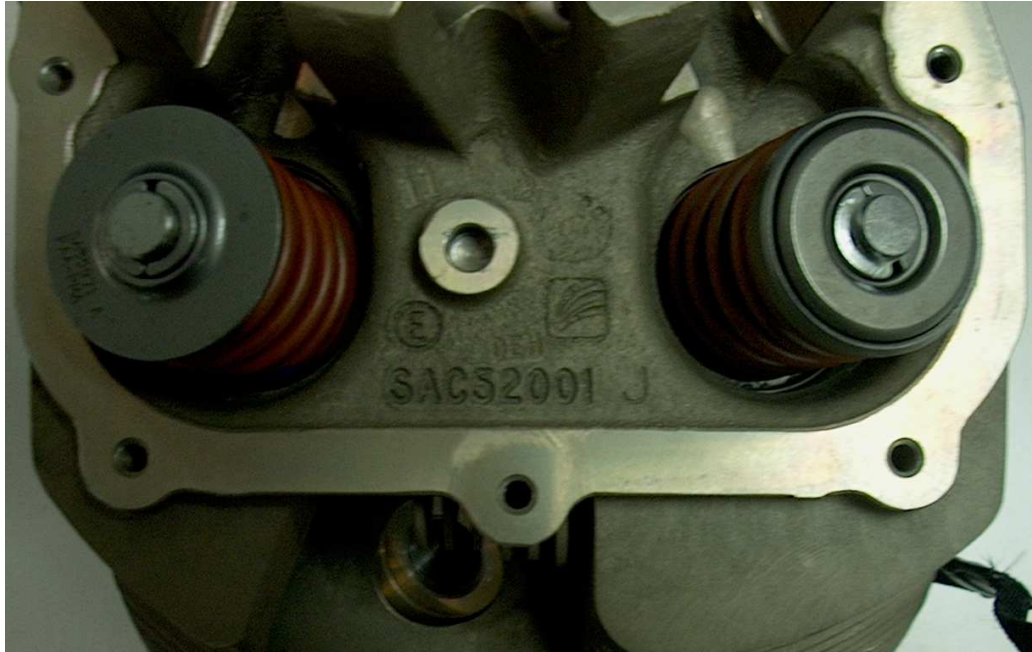


Figure 1: SAC52001 Rev J Casting - FAA Approved for Full TCM TBO

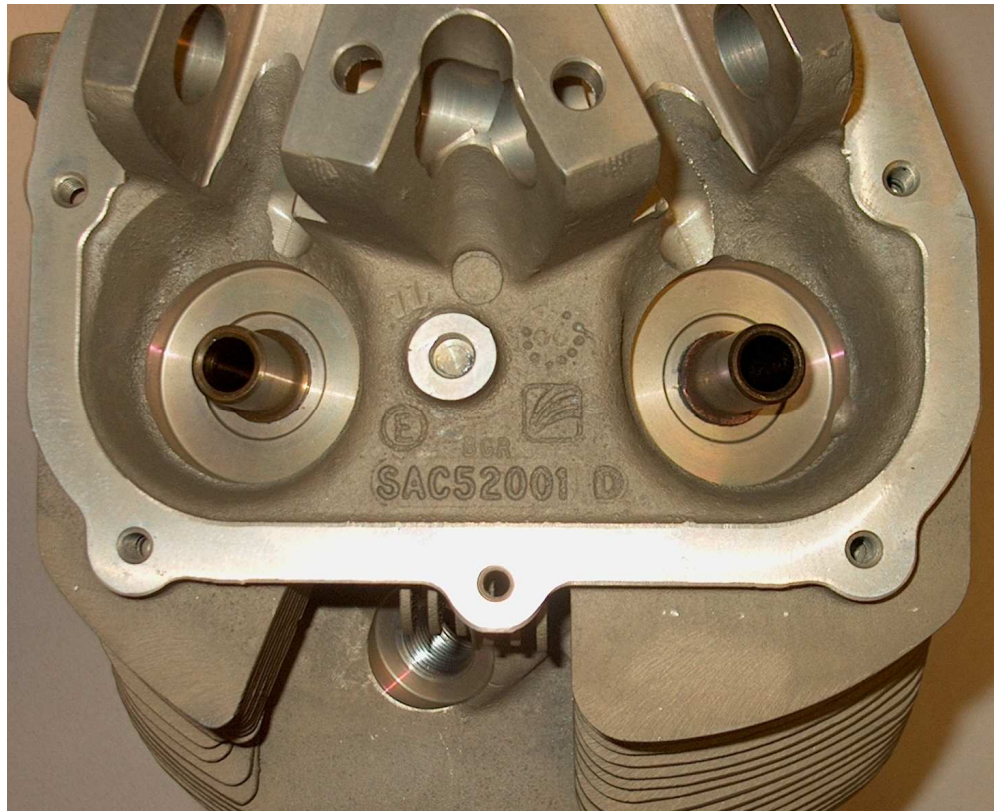


Figure 2: SAC52001 Rev D Casting - FAA Approved for Full TCM TBO