

Service Letter

Technical Aspects are FAA Approved

Number: L01-06 B
Replaces L01-06 A

Date: 07/19/2005

Subject: Overhaul and repair of Superior Crankcase

Applications:

Crankcase Assembly	ENGINE APPLICATIONS
SL36800-N11 SL36800-W11 SL36800-W12 SL36800-W13 SL36800-W21 SL36800-N31 SL36800-W31	Refer to Superior Service Letter No. L01-05 Latest revision

Compliance: Any time the Crankcase Assembly is removed for overhaul or repair.

Crankcase Assembly:

The Superior Crankcase is precision machined from a high quality AMS 4214 aluminum alloy casting. The studs and dowels are PMA parts.

Inspection:

Remove all plugs and clean the oil passages. The aluminum crankcase must be subjected to fluorescent particle inspection per AMS 2645 and accepted per mil-std-1907, grade C (or other FAA approved repair station procedure). Visually inspect bearing bores, thrust surfaces and mating surfaces between crankcase halves and the cylinder decks for wear, fretting or damage. Bearing and shaft bores must be inspected for acceptable size and clearance to mating parts. Studs and dowels must be inspected for damage and replaced as necessary. Figures 1, 2 and 3 provide replacement part numbers, installation instructions and critical dimensions.

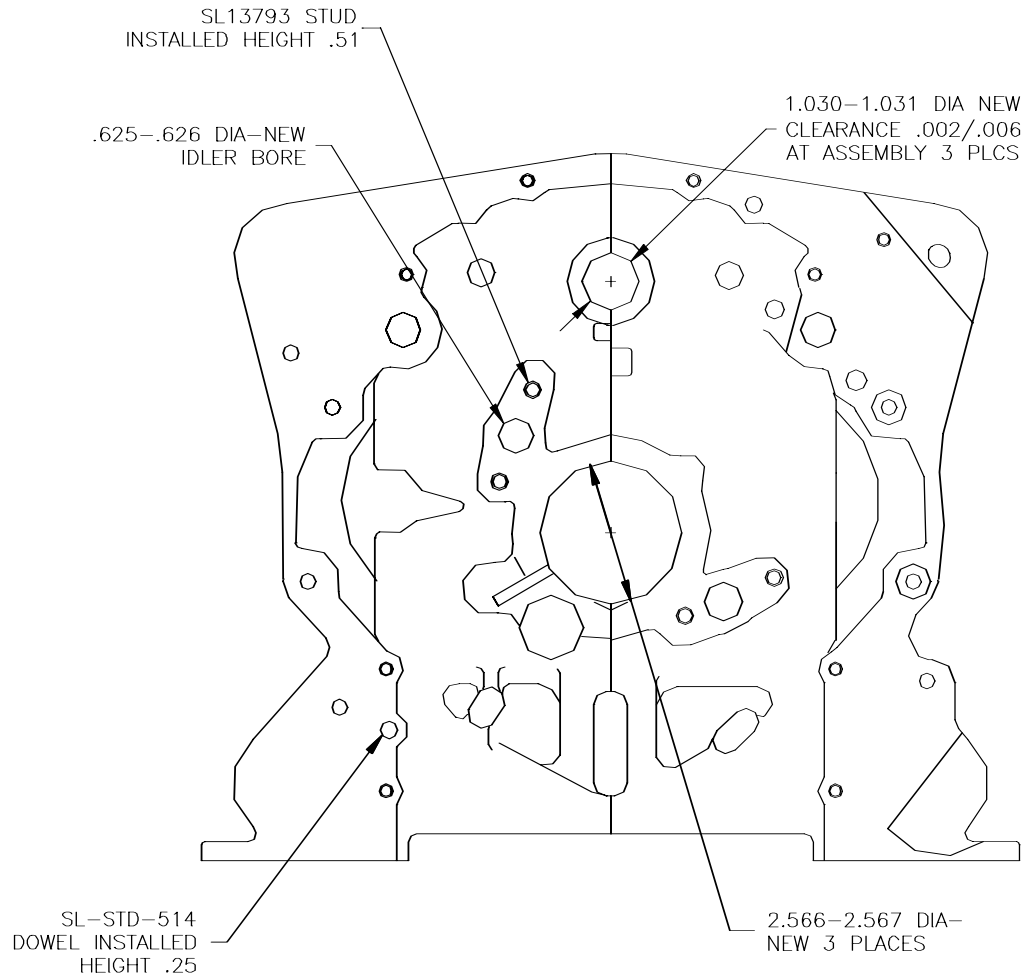


Figure 1
Crankcase Assembly

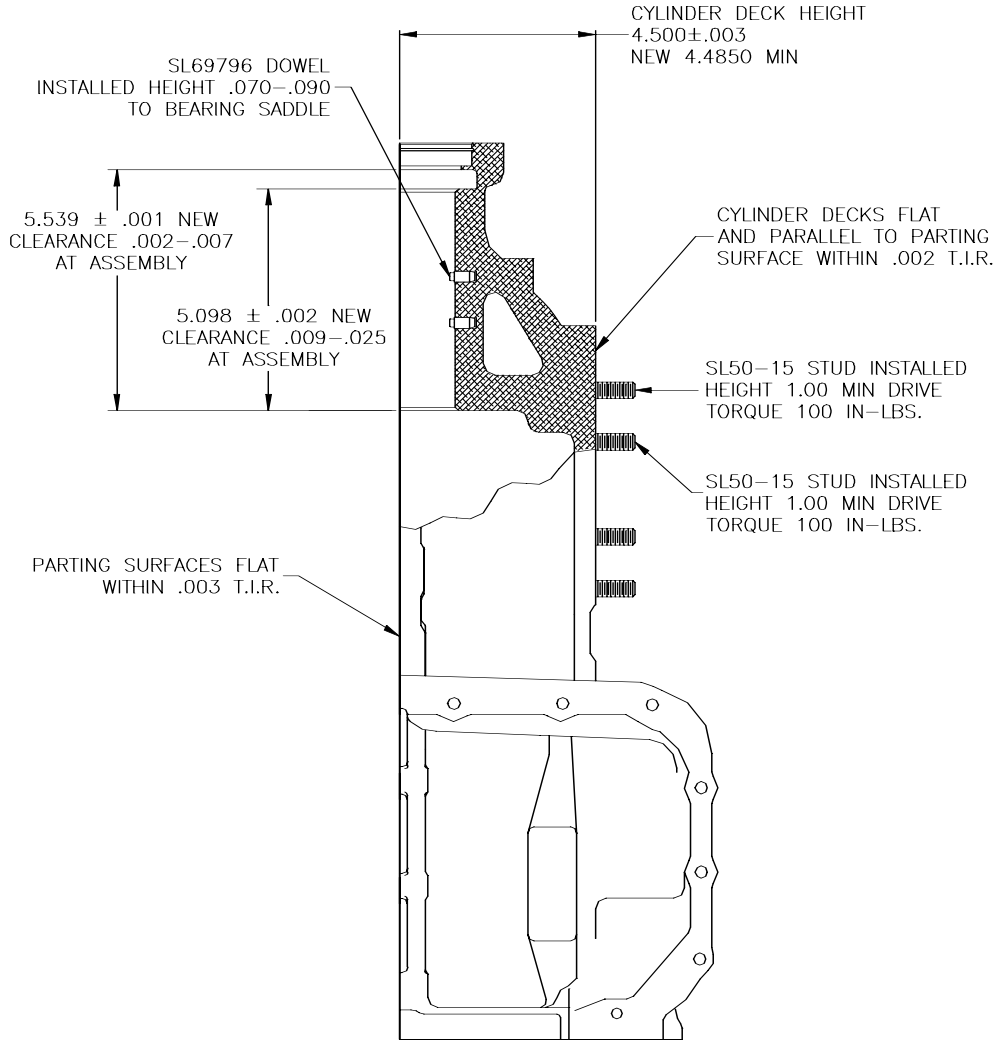


Figure 2
Crankcase Assembly

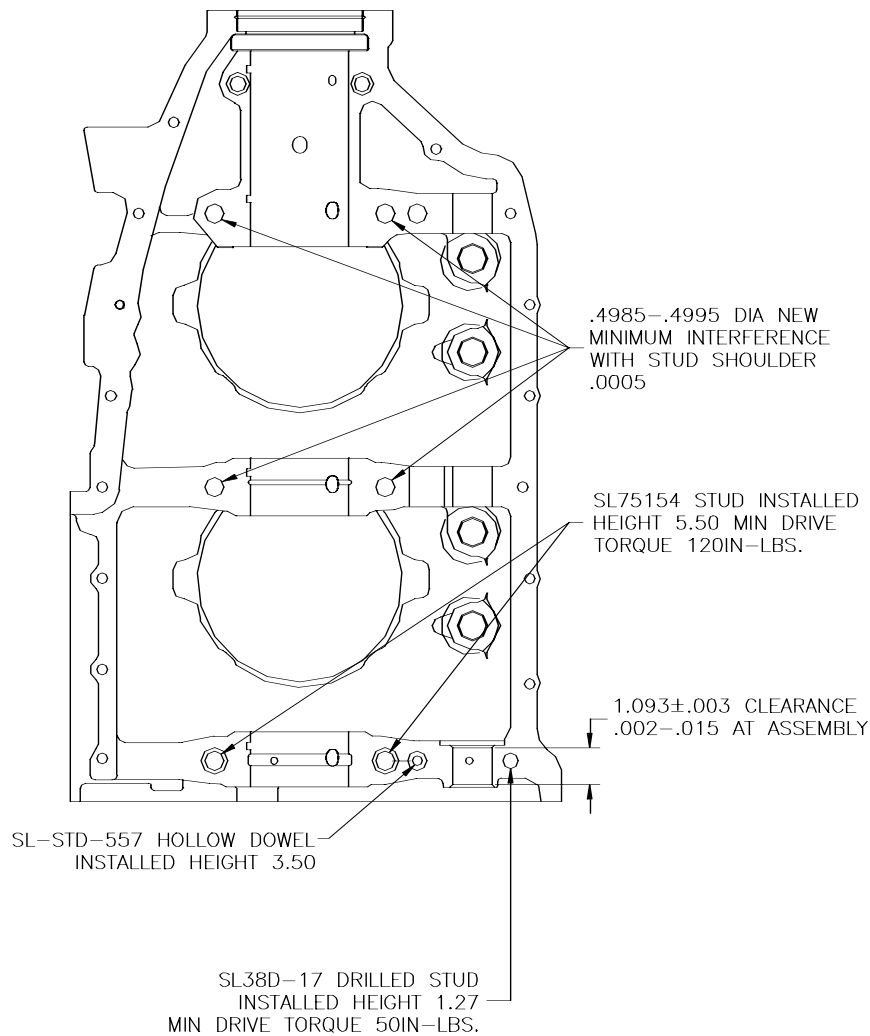


Figure 3
Crankcase Assembly