

**Service Letter**

Technical Aspects are FAA Approved

**Number: L09-01 A**  
**INITIAL RELEASE**

**Date:** 12/2/2009

**Subject:** Installation, Operation, and Maintenance Instructions for Superior P/N SL2157 Oil Filter Adapter

**Application:** This Service Letter is applicable to all engines utilizing Superior's Oil Filter Adapter SL2157.  
The table below lists those models.

Oil Filter Adapter	Lycoming Engine Applications
SL2157	O-235-C1, L2A , L2C, M1, N2A, N2C, P2A  O-320-A2A, A2B, A2C, A3A, A3B, A3C, B2A, B2B, B2C, B3A, B3B, B3C, D1A, D1D, D1F, D2A, D2B, D2C, D2G, D2J, D3G, E1A, E2A, E2B, E2C, E2D, E3D, E3H  IO-320-B1A, B1C, C1A, D1A, E2A  AIO-320-B1B  LIO-320-B1A, C1A  O-360-A1A, A1D, A1G6, A1H6, A2A, A2F, A3A, A4A, A4M, A4N, B2C, C1F, C4F, C4P, F1A6  IO-360-A1A, A1B, A1B6, A1C, A1D, A1D6, A2A, A2B, A3B6, B1B, B1D, B1E, B1F, B1G6, B2F, B2F6, B4A, C1C, C1C6, C1D6, C1E6, C1F, L2A, M1A, M1B  LO-360-A1H6  AIO-360-A1A, A1B, B1B  LIO-360-C1E6  TIO-360-A1B  AEIO-360-B1G6  O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, B1A5, B1B5, B2B5, B2C5, B4B5, E4A5, E4B5, E4C5, G1A5, G2A5, J3A5  IO-540-A1A5, B1A5, B1C5, C1B5, C4B5, C4C5, D4A5, E1A5, E1B5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1B5, K1C5, K1D5, K1E5, K1F5, K1G5, K1J5, K1K5, L1C5, M1A5, N1A5, P1A5, R1A5, S1A5, T4B5, W1A5, AA1A5, AB1A5, AC1A5  TIO-540-A1A, A1B, A2A, A2B, A2C, C1A, E1A, G1A, H1A, J2B, U2A, W2A, AF1A, AG1A, AH1A, AJ1A  AEIO-540-D4B5, L1B5  LTIO-540-J2B, U2A  IO-720-B1B, C1B, D1B, D1C

**Compliance:** Any time an oil filter is selected for use on a Superior Oil Filter Adapter SL2157.

Superior Air Parts manufactures an oil filter adapter part number SL2157. This oil filter adapter has been designed to fit Superior Vantage engines and selected Lycoming engines as indicated in the FAA-PMA eligibility Supplement listings and the table above. The SL2157 oil filter adapter design incorporates a specific sized threaded oil filter mounting stud which is permanently installed in the adapter and held in position utilizing a thread locking compound (See Figure 1). This oil filter mounting stud thread has been designed to fit specific oil filters such as the Champion CH48108-1 and CH48109-1 and the Tempest AA48108 and AA48109 which incorporate an internal by-pass valve within the filter (See Figure 2). The SL2157 oil filter adapter does not incorporate an oil filter by-pass valve and **must use** an oil filter which does incorporate an internal by-pass valve.

**CAUTION: DO NOT modify the oil filter adapter by removing the permanently installed oil filter mounting stud from the adapter body. This mounting stud is specifically designed to prevent the installation of an incorrect oil filter.**

Installation of improper oil filters could result in oil starvation and engine failure.



Figure 1. SL2157 Oil Filter Adapter



Figure 2. Examples of eligible oil filters