

LYCOMING

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SERVICE INSTRUCTION

DATE: March 28, 2011

Service Instruction No. 1442A
(Supersedes Service Instruction No. 1442)
Engineering Aspects are
FAA (DER) Approved

SUBJECT: Improved Oil Filter Bypass Valve

MODELS AFFECTED: All Lycoming piston engines with dual magneto accessory housing

TIME OF COMPLIANCE: At next overhaul or evidence of a filter element collapse

NOTE

Incomplete review of all the information in this document can cause errors. Read the entire Service Instruction to make sure you have a complete understanding of the requirements.

This Service Instruction identifies a new spring, P/N 05S21021 that replaces spring P/N 55C21021 in the oil filter bypass valve. This replacement is to be done during overhaul or if oil filter element collapse occurs during cold starts.

An Oil Filter Bypass Valve Kit P/N 05K21328-S is available and includes: the new spring along with identical replacement parts for the remainder of parts in the oil filter bypass valves: spacer, snap ring, sleeve, and seat.

To replace the old spring with a new spring using this kit:

1. Remove the oil filter (Figure 1).
2. Remove the oil filter adapter plate for access to the bypass valve.
3. Remove and discard the snap ring P/N MS16625-1100, sleeve P/N LW-10320, seat P/N 76539, spring and spacer.
4. Install the new spring P/N 05S21021 with a new spacer P/N 55K21022.
5. Install the seat P/N 76539, sleeve P/N LW-10320 and new snap ring P/N MS16625-1100.
6. Install the oil filter adapter plate and torque to recommended value.
7. Install the oil filter.

Do a leak check of the oil filter after the spring is installed and the engine is operated on the ground.

Record compliance with this Service Instruction in the engine logbook.



General Aviation
Manufacturers Association

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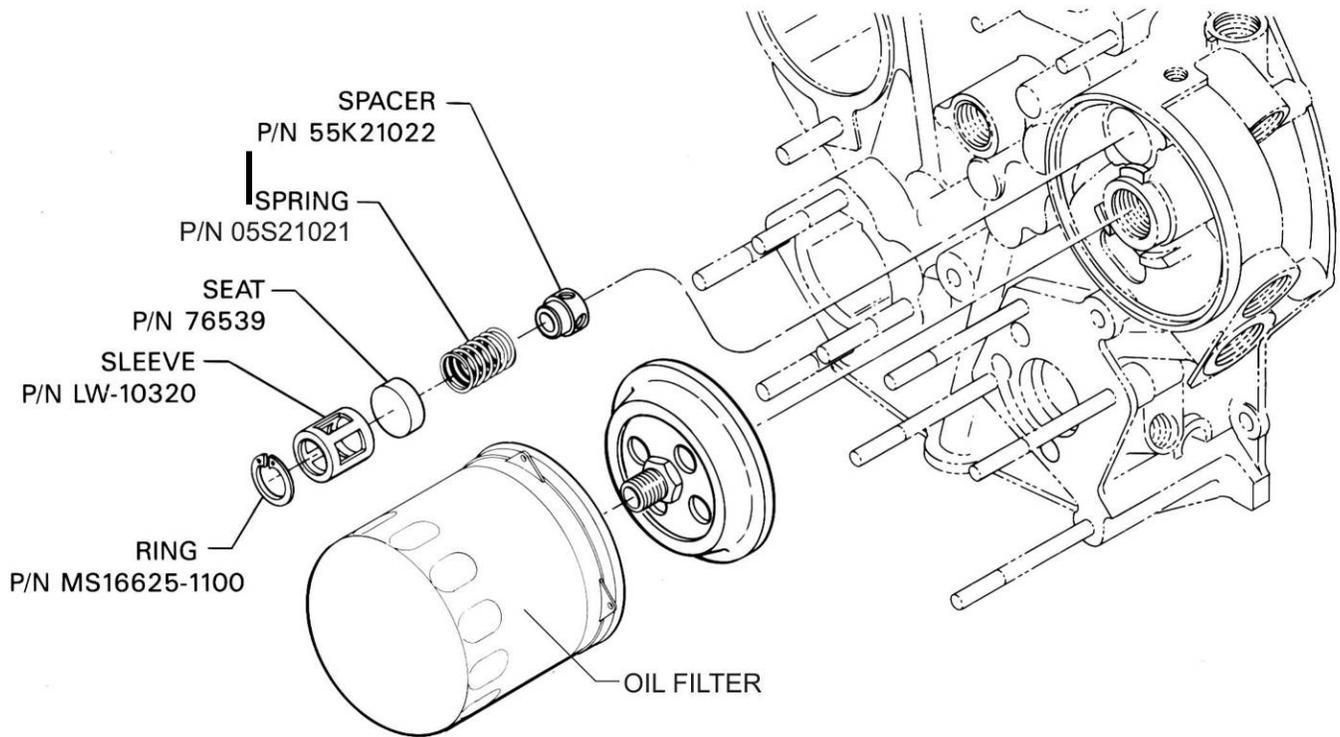


Figure 1
 Spring and Spacer Installation

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