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SERVICE INSTRUCTION

DATE: May 13, 2016

Service Instruction No. 1255A

(Supersedes Service Instruction No. 1255)

Engineering Aspects are FAA (DER) Approved

SUBJECT: Thermostatic Oil Cooler Bypass Valve Replacement

MODELS AFFECTED: Lycoming engines using thermostatic oil cooler bypass valve

TIME OF COMPLIANCE: At 100-hour inspection or when high oil temperature is noted

REASON FOR REVISION: Updated bypass valve replacement part numbers; added respective detailed bypass valve replacement instructions for engines with oil pressure screens and oil filters

NOTICE: 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 revision of the Service Instruction identifies thermostatic oil cooler bypass valve P/N 53E22144 (Figure 1) (or other superseding bypass valve identified in the latest revision of Service Instruction SI-1565) as a superseding replacement bypass valve for either bypass valve P/N LW-10269 or P/N 75944.

Lycoming Engines recommends using thermostatic oil cooler bypass valve P/N 53E22144, identified in the latest revision of Service Instruction No. SI-1565.

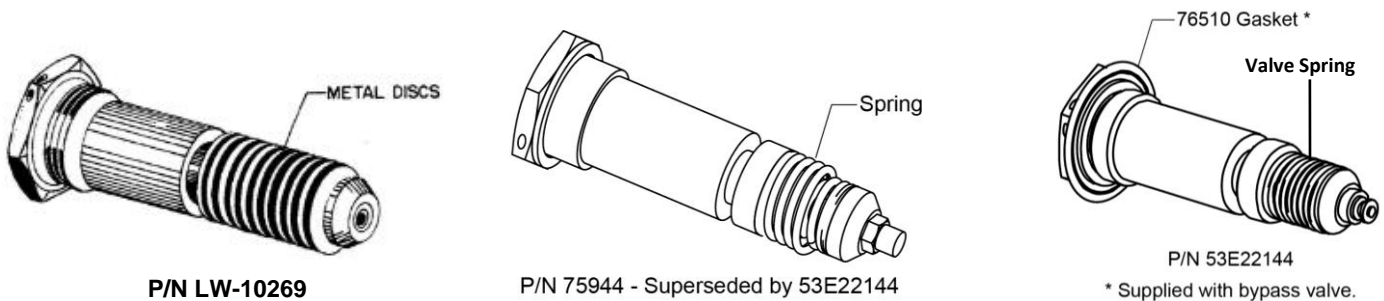


Figure 1
Thermostatic Oil Cooler Bypass Valves



General Aviation
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Thermostatic Oil Cooler Bypass Valve Replacement Instructions

On engines with an oil pressure screen (Figure 2):

1. Remove the oil cooler bypass valve and gasket from the oil pressure screen housing. Discard the gasket.
2. Apply Food Grade Anti-Seize on the threads of the thermostatic oil cooler bypass valve.
3. Install the thermostatic oil cooler bypass valve with a new gasket on the oil pressure screen housing (Figure 2).
4. Torque the thermostatic oil cooler bypass valve to 300 in.-lbs. (34 Nm).
5. Lockwire the thermostatic oil cooler bypass valve.

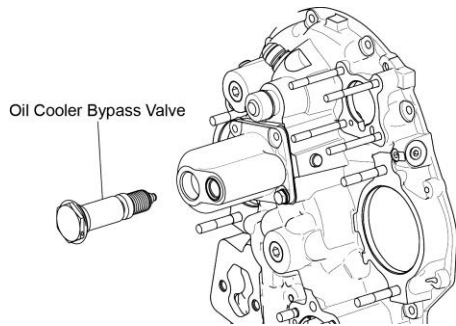


Figure 2
Oil Cooler Bypass Valve
(Engine with Oil Pressure Screen)

On engines with an oil filter (Figure 3):

1. Remove the oil cooler bypass valve from the oil filter base. Discard the gasket.
2. Apply Food Grade Anti-Seize on the threads of the thermostatic oil cooler bypass valve.
3. Install the thermostatic oil cooler bypass valve with a new gasket on the oil filter base as shown in Figure 3.
4. Torque the thermostatic oil cooler bypass valve to 300 in.-lbs. (34 Nm).
5. Lockwire the thermostatic oil cooler bypass valve.

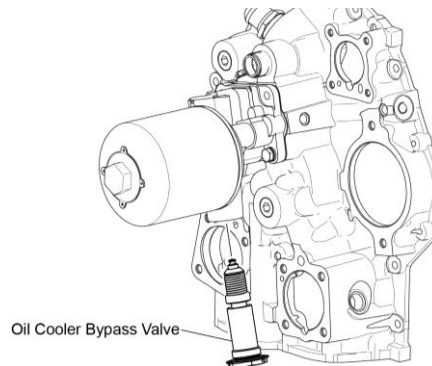


Figure 3
Oil Cooler Bypass Valve
(Engine with Oil Filter)

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