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SERVICE INSTRUCTION

DATE: November 26, 2014

Service Instruction No. 1559
Engineering Aspects are
FAA Approved

SUBJECT: Adjusting Fuel Pressure on AN-Drive Type Fuel Pumps

MODELS AFFECTED: Lycoming engine models with AN-drive type fuel pumps

TIME OF COMPLIANCE: As required

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 includes the procedure to adjust the fuel pressure on engines that have AN-drive type fuel pumps.

NOTE

Figures 1 and 2 show two different styles of pressure adjustment screws on AN-drive type fuel pumps.



Figure 1
Pressure Adjustment Screw with Jam Nut

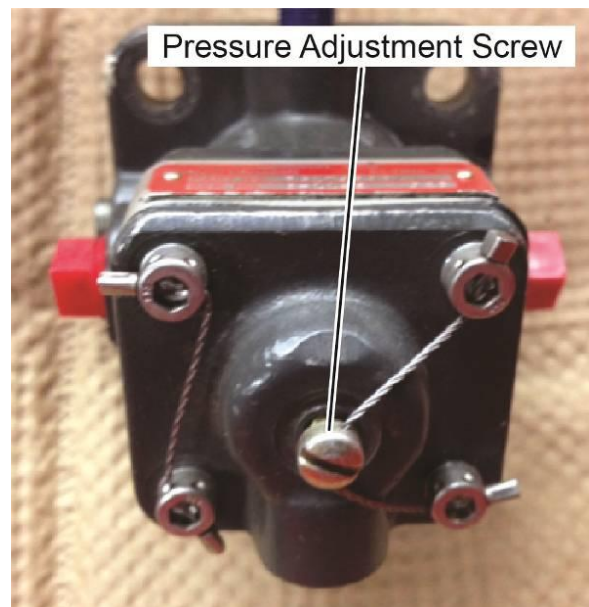


Figure 2
Pressure Adjustment Screw



General Aviation
Manufacturers Association

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To adjust the fuel pressure on the AN-drive type fuel pump:

AN-Drive Type Fuel Pump With Pressure Adjustment Screw and Jam Nut

1. Remove and discard the safety wire from the jam nut on the fuel pump shown in Figure 1.
2. Hold the pressure adjustment screw in place while loosening the jam nut.
3. Rotate the pressure adjustment screw as identified below until the fuel pressure is set to the airframe manufacturer's fuel pressure specifications:
 - *Clockwise* to *increase* fuel pressure.
 - *Counterclockwise* to *decrease* fuel pressure.
4. Once the fuel pressure is set, hold the pressure adjustment screw and carefully tighten the jam nut. (Do not move the pressure adjustment screw, which could change the pressure adjustment).
5. Safety lockwire the jam nut as shown in Figure 1.
6. Recheck the fuel pressure to be sure the fuel pressure is still set at the specified pressure. If not, repeat the previous steps until the fuel pressure is correct as per the airframe manufacturer's specifications.
7. Record the fuel pressure adjustment in the engine logbook.

AN-Drive Type Fuel Pump With Pressure Adjustment Screw

1. Remove and discard the safety wire from the adjustment screw on the fuel pump shown in Figure 2.
2. Rotate the pressure adjustment screw as identified below until the fuel pressure is set to the airframe manufacturer's fuel pressure specifications:
 - *Clockwise* to *increase* fuel pressure.
 - *Counterclockwise* to *decrease* fuel pressure.
3. Safety lockwire the pressure adjustment screw as shown in Figure 2.
4. Recheck the fuel pressure to be sure the fuel pressure is still set at the specified pressure. If not, repeat the previous steps until the fuel pressure is correct as per the airframe manufacturer's specifications.
5. Record the fuel pressure adjustment in the engine logbook.

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