

TEXTRON Lycoming

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MANDATORY SERVICE BULLETIN

DATE: December 1, 1997
Service Bulletin No. 406A
(Supersedes Service Bulletin No. 406)
Engineering Aspects are
FAA Approved

SUBJECT: Titan Fuel Pump Inspection

MODELS AFFECTED: All Textron Lycoming engines equipped with Titan AN type gear driven fuel pumps.

TIME OF COMPLIANCE: At next 50 hour inspection of the engine. (Additional inspection not required.)

Insufficiently tightened cover attaching screws on AN type fuel pumps can be a source of fuel leakage. This condition may occur on new installations due to gasket material taking a set.

Since fuel leakage in any circumstance is a potentially hazardous condition it is recommended that the following inspection and retightening procedure be performed on all applicable aircraft during next routine 50 hour inspection of the aircraft fuel system.

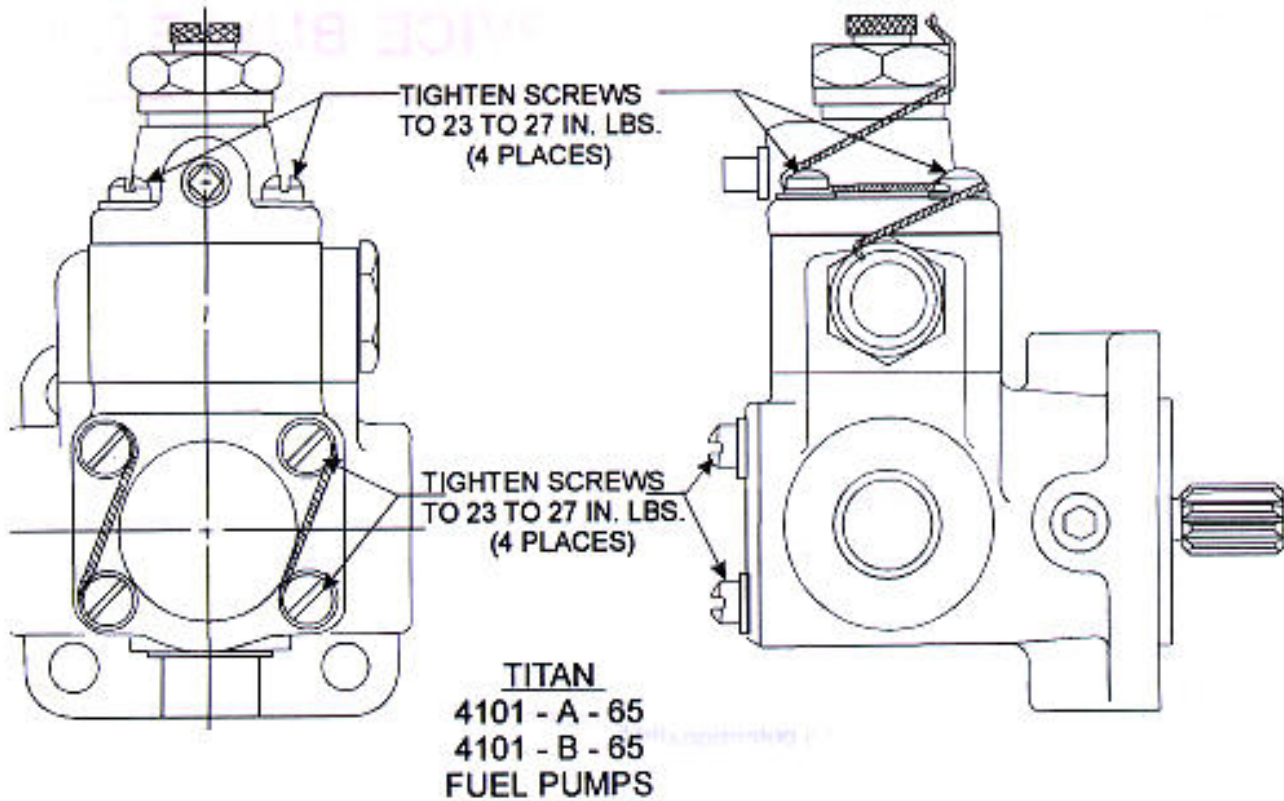
1. With a screwdriver, check every screw that is used to assemble the pump. Determine if any are loose, that is if any can be turned within the limits of the lockwire in a clockwise direction, and within the limits of the torque value specified below.
2. If any screw appears to be loose, remove the lockwire and retighten evenly all four attaching screws to the torque value specified.
3. Secure the screws with lockwire as shown in the illustration.
4. Note compliance with this Bulletin in the aircraft records.

It is not necessary to repeat this procedure; however, during all inspections of the engine the area of the fuel pump should be visually examined to determine if any fuel leaks have developed at fuel line connections.

Titan Pumps. 23 to 27 inch pounds

NOTE: Revision "A" to this Service Bulletin deletes Romec fuel pumps.





Titan Fuel Pumps Showing Applicable Attaching Screws and Orientation of Lockwire