

VENDOR SERVICE PUBLICATION

February 25, 1977

TO: X All Piper Distributors
 X All Piper CORPAC's
 Affected Aircraft Owners/Operators
 All of the above

SUBJECT: AVCO Lycoming Service Bulletin No. 406, "Romec and Titan Fuel Pump Inspection".

Models Affected:Serial Numbers Affected:

PA-23-250 (6 Place) Aztec..... 27-4053, 27-4226 and up (Turbocharged)
PA-31 and PA-31-325 Navajo..... 31-2 and up.
PA-31-350 Navajo Chieftain..... 31-5001 and up.
PA-31P Pressurized Navajo..... 31P-1 and up.

Purpose: To provide distribution of the attached Service Publication (identified in SUBJECT, above) to Piper Field Service Facilities and, if applicable, to affected Piper owners/operators.

Detailed instructions relative to compliance action are specified on the attached Service Publication; any additional/supplemental data, if necessary, is contained in the following "Special Instructions" section.

Special Instructions:

Insure that your respective Field Service Facilities are aware of the provisions of the subject vendor service release.

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AVCO LYCOMING DIVISION

WILLIAMSPORT, PENNSYLVANIA 17701

Service Bulletin



DATE: November 19, 1976

Service Bulletin No. 406
Engineering Aspects are
FAA (DEER) Approved

SUBJECT: Romec and Titan Fuel Pump Inspection

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

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

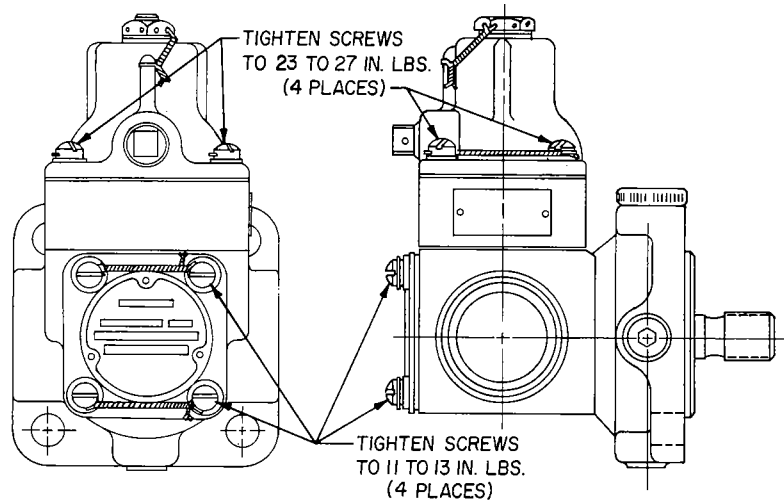
Insufficiently tightened cover attaching screws on AN type fuel pumps can be a source of fuel leakage. This condition may occur on new installations due to gasket material taking a set.

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.

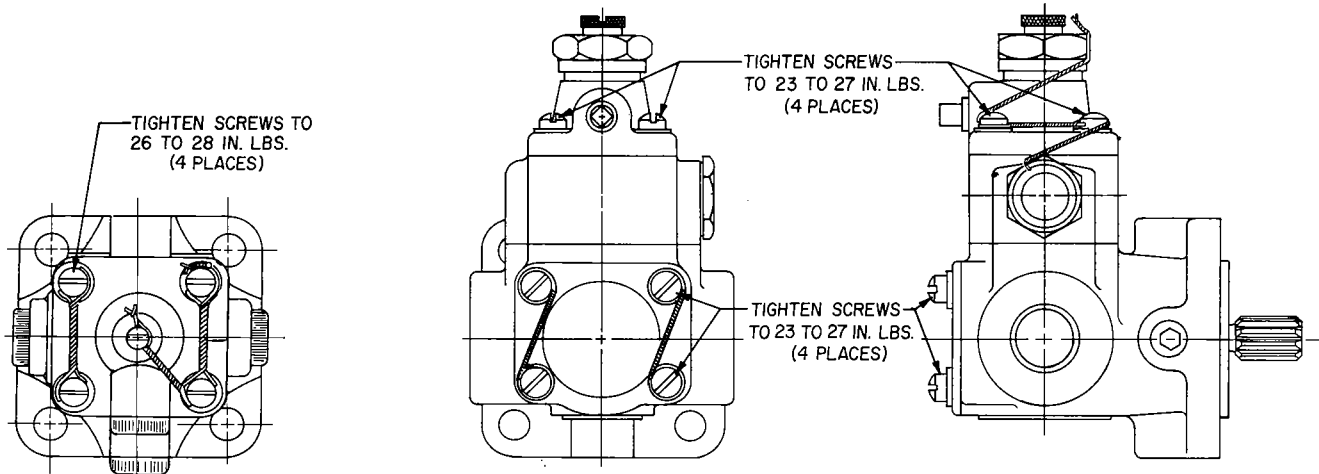
1. With a screwdriver, check every screw that is used to assemble the pump. Determine if any are loose, that is if any can be turned within the limits of the lockwire in a clockwise direction, and within the limits of the torque value specified in the following list.
2. If any screw appears to be loose, remove the lockwire and retighten evenly all four attaching screws to the torque value shown in the table.
3. Secure the screws with lockwire as shown in the applicable 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.

Romec Series RG-17980 Pumps	26 to 28 inch pounds
Romec Series RG-9080 (adjusting screw cover)	23 to 27 inch pounds
(plate cover)	11 to 13 inch pounds
Titan Pumps	23 to 27 inch pounds



ROME
RG-9080
FUEL PUMPS



ROME
RG 17980
FUEL PUMP

TITAN
4101-A-65
4101-B-65
FUEL PUMPS

Romec & Titan Fuel Pumps Showing Applicable Attaching Screws and Orientation of Lockwire