



## FRANKLIN SERVICE BULLETIN

NO. 48

DATE: 2/8/47

SUBJECT: FUEL PUMP INSTALLATION ON 6A4-150-B3 AND B31 ENGINES AS USED ON BELLANCA CRUISAIR

We have received reports of high fuel pump pressure on some 6A4-150-B3 and B31 engine installations as used in the Bellanca Cruisair. Investigation of this condition shows that with the use of two standard gaskets, part #10360, between the fuel pump and engine mounting bracket, the pumps we have checked developed pressures within specification.

Maximum fuel pump pressure, measured with an accurate gage, should be  $7\frac{1}{2}$  lbs. per square inch and the minimum normal pressure in level flight is 3 lbs. per square inch and under certain operating conditions pressure can be as low as 1 lb. per square inch with satisfactory operation. In the event you are experiencing excessive fuel pump pressure beyond  $7\frac{1}{2}$  lbs. per square inch, we suggest that you order two gaskets, part #10360, and we will send them to you at no charge for installation. For your information, we have C.A.A. approval on the use of two gaskets each  $1/32$ " thick.

Attached are instructions covering the method of removal of the fuel pump, which may be of assistance to men making the installation.

The above is for your information.

AIRCOOLED MOTORS, INC.

F. J. Schaefer  
Service Engineering Manager

INSTRUCTIONS COVERING REMOVAL OF FUEL PUMP ON  
6AA-150-B3 & B31 ENGINES AS USED ON TLANCA CRUISAIR

1. Remove oil measuring stick.
2. Remove baffle aft of #2 cylinder.
3. Disconnect fuel lines at pump.
4. Hold fuel pump bolt using 1/2" open end wrench. (Wrench must be thin face type.)
5. Remove lower nut, using 1/2" universal socket with long extension and ratchet handle.
6. Hold upper attaching nut. (Special wrench made out of 1/2" socket ground down with 1/8" steel handle, similar to sketch below, may assist you if you have no other adaptable wrench.)
7. Turn upper bolt using short standard 1/2" box wrench.
8. When replacing pump, use two new gaskets, part #10360, each 1/32" thick.

SUGGESTED WRENCH, ITEM 6

