



SERVICE BULLETIN

AIRCOOLED MOTORS INC.

SYRACUSE 8, NEW YORK

DATE: 6/14/48

NO. FSB 66

SUBJECT: FUEL PUMPS, AIRCOOLED MOTORS, INC. PART #14876 AND #14877 AS USED ON MODELS 6A8-215-B8F AND B9F FRANKLIN ENGINES IN THE REPUBLIC SEABEE INSTALLATION

We have received reports of fractured fuel pump diaphragms and pulsator diaphragms on the above subject engines which caused leakage of gasoline into the engine oil in the propeller housing section. With two fuel pumps operating on the engine, it is not always possible to indicate such difficulty through observation of fuel pump operation or fuel pump pressure indications. In view of our investigation of this condition, it becomes mandatory that fuel pumps be removed and dismantled and diaphragms and pulsator diaphragms are to be replaced after each 100 hours of operation maximum.

If fuel pumps require complete overhaul, you can purchase AC Kit #RA-106. This kit, among other parts, carries both diaphragm sets. Two kits are required for one engine in a Republic Seabee. In the event diaphragms only are required, following are the part numbers of these units.

- 2 - Diaphragms AC Part #1537097. 1 required per pump.
- 6 - Pulsator Diaphragms AC Part #1538358. 3 required per pump.

Parts may be purchased either through the AC station in your locality or through our Parts Division, which carries a stock of these parts. For your further information, in conjunction with AC, the manufacturer of the fuel pumps, we are conducting tests on an improved type of pump for this installation. In the event of approval and manufacture of an improved pump, we will issue a later bulletin when pumps are available. In the event new pumps become available, there will be no exchange basis since the current type pump will not be adaptable to the change.

Upon receipt of this bulletin, please check all Republic Seabees and if they have been operating for 10 hours since the last fuel pump overhaul, the fuel pumps should be removed and the diaphragms checked and replaced.

AIRCOOLED MOTORS, INC.

A handwritten signature in cursive script, appearing to read "F. J. Schaefer".

F. J. Schaefer

Service Engineering Manager