



SERVICE BULLETIN

AIRCOOLED MOTORS INC.

SYRACUSE 8, NEW YORK

DATE: 4/10/47

NO. FSB 50

SUBJECT: INSTALLATION OF ENGINE COOLING FAN AND STARTER GEAR ASSEMBLY ON FRANKLIN MODEL 6A8-215-B8F and B9F ENGINES AS USED IN SEABEE INSTALLATIONS.

In Republic Aviation Corporation Service News No. 1, dated February 17th, attention was called to the importance of proper installation and periodic checking of the fan and flywheel assembly on the above subject engines.

The following procedure should be carefully followed:

1. If you have not checked your installation in accordance with previous information given, please do so before the next flight.
2. If any cap screws are found loose, remove all of them and remove the flywheel and fan assembly and generator sheave.
3. Check the face of the starter gear hub for any possible nicks and clean off any foreign material since if looseness existed the action of parts may have deposited material on this face.
4. Check generator sheave bolt circle area for smoothness and see that this section is flat. Place the sheave against the starter gear hub to check contact against the face of the hub. Place the sheave in position for installation.
5. Check the pilot face of the fan and starter gear assembly and see that there are no nicks or rolled up metal on the inside diameter of the bore and on the face which mounts against the generator sheave.
6. Install the fan and flywheel assembly, being careful to hold it in the proper alignment to eliminate the possibility of shearing off any fine aluminum chips during installation since chips would lodge between the mating surfaces. The holes in the mating parts must be properly lined up with the threaded holes in the hub.
7. Install four starter gear lock washers, Aircooled Motors, Inc. part #14816, and eight starter gear to hub bolts, Aircooled

Motors, Inc. part #14715. Draw the bolts up evenly and torque to 20 foot pounds. Do not bend tabs up on lockwashers.

8. Ground run the engine at 1200 to 1500 rpm for approximately ten minutes. Recheck bolts to 20 foot pounds, torque and bend up two tabs on washers against bolts heads.
9. After five hours of normal flight operation, remove grill and check bolts for looseness.
10. Periodic check should be made after every 25 hours of operation as a precautionary measure.

If you have not already done so, we suggest you check all Franklin engines in Seabee installations in your possession before the next flight.

AIRCOOLED MOTORS, INC.