

Solar Wings

LIMITED

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SERVICE BULLETIN 0022.

Aircraft applicable: All Pegasus aircraft fitted with Rotax liquid cooled 462cc high or low power engines.

Engine Serial Numbers: 3642690 onwards.

Some cases have been reported of the plastic water pump impeller melting and then spinning on its drive shaft. The coolant then ceases to circulate, and overheating, engine failure and possible seizure damage results. The melting of the impeller is due to the introduction of a new shaft sealing system, which tends to generate more heat through friction.

To solve this problem Rotax have developed a glass-filled plastic impeller with a higher melting temperature. The new type of impeller is a yellowish creamy colour where the glass fibres can be seen in the material. The old type of impeller was a plain white colour without fibres. Both types of impeller should have a small hole near the hub to prevent water cavitation.

The impeller must be changed before the next flight for obvious reasons.

Owners are advised to contact the factory (tel 0672 54414 before 1st August or 0672 55066/7/8 after 1st August) or Cyclone Hovercraft Ltd. (tel 0926 612188) for replacement and fitting of a new impeller.

W.G. Brooks 18 JULY 1988.

W.G. Brooks (chief designer).

