



WARNING REPORT

KAIR07005 – HKS 700E

LANAS October 17, 2007

Object: Possible early wearing of valves and valve bases on HKS 700E engines.

Concerned ultralights: every GTE Trek equipped with HKS 700E engine.

DESCRIPTION OF THE SIGNS:

Power loss and decrease of engine maximum speed.

Compression ratio imbalanced and too weak (below 9 bars; initial value: 12 bars).

POSSIBLE CONSEQUENCES:

Important power loss and engine cut off because of possible breakage of the valves and valve bases.

ACTION REQUESTED:

We ask you to measure the left and right cylinders' compression immediately, then every 30 hours and/or as soon as you notice an engine power loss.

A value below 9 bars on any of the cylinders will mean changing the valves.

Warning: changing the valves will be made under warranty provided that the compression ratios have been regularly measured.

Measure of compression:

- Make sure all the switches are off.
- Disassemble the propeller.
- Disconnect the right and left spark plugs above the cylinder heads.
- Measure the compression ratio on each cylinder, engine cooled, at reduced power while actuating the start until the pin of the compression gauge is stabilized.

For information you can find on the website: www.equipmoto.fr a 14mm compression gauge sold 16.95 € all tax included.

After taking the measure, thank you for sending us the following information:

Engine serial number (right hand side, under reduction gear box), Number of hours, Compression ratio for right and left cylinders, Type of oil and gas used as well as the gas provider.

We thank you for your understanding. Our Technical and After-Sales Departments are at your disposal for any additional information.

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