

# Notification of Service Bulletin

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## HKS SERVICE BULLETIN SB-0801

Dear HKS Owner,

HKS have issued a Mandatory Service Bulletin SB-0801 regarding low compression caused by exhaust valve guide wear.

In summary, the bulletin states:

- Engines from Serial number 100440 onwards must have the carburettor jetting checked and the needle position changed. If fuel with up to 5% alcohol content is used the main jet must be changed - *although this is not clear from the bulletin, we have confirmed with HKS that this also applies to engines in the range 100299-100439 (engines preceding 100299 were subject to a recall and were all replaced). For clarification, please see the following chart:*

Engine S/N range	100299 -100439	>100439
Main Jet (MJ)	Upper manifold = 125 (130*) Horizontal manifold = 135 (140*)	Upper manifold = 125 (130*) Horizontal manifold = 135 (140*)
Needle Jet (NJ)	2.70	2.70
Diffuser (CK)	10	10
Idle Jet (PK)	40	45
Jet needle (JN)	251/ 4 <sup>th</sup> groove from top	251/ 4 <sup>th</sup> groove from top
Starting Jet	80	75
Piston (SB)	6	6

\* = jet if fuel with up to 5% alcohol used.

△ Because fuels in the UK may contain alcohol, and because carrying out a test to determine alcohol content every time you fill up may not be possible, we suggest that you use the bigger jets. The bigger jets should not have any detrimental affect other than a very small increase in fuel consumption △

- Fuel with more than 5% alcohol must not be used.
- A compression check is required before the next flight and then in line with the operators manual every 100 hours.
- The oil quality specified in the manuals should be respected (100% synthetic), ideally 0W40 or 0W50 in the UK
- For reliable CHT readings, bayonet CHT senders should be installed in the location on the head if provided. *It is recommended that a twin CHT gauge is permanently installed.*

- The position of the EGT sender affects the EGT temperature, a table of position/temperatures has been provided. Any instrument placards and aircraft manuals need to reflect the position of the EGT sender. *It is recommended that a twin EGT gauge is permanently installed.*

New Operators and Installation Manuals have been issued to reflect these changes, please make sure that you obtain the latest copies.

The bulletin & manuals are available to download from the following locations:

SB-0801 - <http://www.hksaviationuk.com/service%20bulletins.htm>

Operators Manual - <http://www.hksaviationuk.com/technical%20and%20docs.htm>

Installation Manual - <http://www.hksaviationuk.com/technical%20and%20docs.htm>

If you have any questions regarding the bulletin please contact us on 01295 771088.

Best Regards,

Louise Beale