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Service Information

Relevance:

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Workshop

REF: 21mb1116

SUBJECT: Webasto AT 2000 ST and STC – Adjustment for Higher Altitude Operation

The practice of manually adjusting the fuel to air ratio of Webasto Air Top 200 ST and STC heaters to compensate for high altitude application has been brought to our notice.

As long-standing authorised distributors of Webasto heaters and accessories, Butler Technik are unfortunately unable to recommend this 'on-the-fly' and arbitrary solution.

Though we accept it is frequent practice to tweak air:fuel ratio mixture via the standard rotary controller it is very possible to mis-calculate and potentially under-fuel or over-fuel your heater.

Under-fuelling of heater at lower attitude = loss of heater output

Over-fuelling of heater at higher attitude = excessive carbon build-up, diesel fumes, early failure of heater.

Adjusting fuel mixture is a workshop procedure conducted by qualified and authorised personnel. The adjustment is made to optimise the efficiency of the heater and minimise the output of CO2 emissions, not for higher altitude operation.

When higher altitude application of vehicle heaters is required, equipment designed for purpose is to be recommended.



Michael Burgess
Technical Author



David Butler
Director

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Sources: Webasto Thermo & Comfort SE – Operational Altitudes AM&SOE

