

Lagondaforum: Thermostat

Thermostat

Written by Peter S30 at May 13, 2008 7:46 am

I was trying to check the thermostat sitting in the elbow above the cylinder head. I do not understand how it should work, I think something is missing (broken away).

When I heat it in the kitchen, the pin in the middle closes the little hole in the middle of the brass part but all the openings around let always water through, so there is no difference in flow then.

It looks very difficult to remove the brass part, looks like somebody tried it and did not succeed (creating two holes right and left in the brass part, probably by hammering on a screwdriver).

In the other image you see a little brass pin which looks like a snapped off screw, what is it for ?

So my questions: how does it work, how can it be removed, and is there replacement available or what is missing ? (or do I misunderstand the function)

Attachments:

[DB3L-thermostat1.JPG](#) (filesize: 21.13 KB)

[DB3L-thermostat2.JPG](#) (filesize: 23.13 KB)

Re: Thermostat

Written by reevsy at May 13, 2008 9:49 am

Hi Peter, The broken brass bit! It is a small brass screw which seems to be a blanking screw and serves no purpose? I could be for some sort of temperature gage possibly in the Aston Martin DB2-4. The thermostat I will leave to those better qualified.

Peter

Re: Thermostat

Written by Peter S30 at May 26, 2008 11:26 am

Some helpfull images I received from John showing the thermostat taken out from the aluminium elbow

Attachments:

[041.jpg](#) (filesize: 24.17 KB)

[042.jpg](#) (filesize: 22.08 KB)

[043.jpg](#) (filesize: 21.45 KB)

[045.jpg](#) (filesize: 20.61 KB)

[047.jpg](#) (filesize: 22.10 KB)

Re: Thermostat

Written by Peter S30 at Jun 16, 2008 8:22 am

I was not able to get the brass part out of the aluminium elbow and did not want to destroy anything.

Thanks to the helpful photos I reconstructed it "in situ". I heated it with a hair-dryer until the remaining part of the pin moved out, then soldered a short tube on it and finally a saucer shaped brass disc. It is now at a position that it starts to open at 45Celsius and is fully open at 60Celsius

Attachments:

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[thermo-pin.jpg](#) (filesize: 44.42 KB)

[thermo-plate.jpg](#) (filesize: 33.30 KB)

Re: Thermostat

Written by Colin M34 at Jun 20, 2008 9:02 am

Congratulations Peter! I am delighted to see this clever and innovative approach to an in situ repair.

Shared experience here is precisely why this forum is so valuable.

Colin M34
