

Headers Question

Posted by 944sracer - 05 Sep 2011 20:53

I am re-reading the rules and I noticed something odd. according to the rules regarding headers:

12.7.1 The stock genuine Porsche OE exhaust manifold (header) is required. The stock header consists of two separate manifolds, one connecting cylinders 1 and 4 and the other connecting cylinders 2 and 3. Headers may be welded to repair cracks and headers may be wrapped with appropriate materials so long as the wrap is removable. Headers may not be coated or painted inside or outside.

Why is it that we allow for header wrap but not header coating? If I am not mistaken the wrap can open the door to exhaust headers rotting if they aren't installed correctly or the special sealant is not used. Also aren't the advantages the same when comparing one to the other?

Can some one enlighten me please? I am I missing something?

TIA

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Re: Headers Question

Posted by 944sracer - 07 Sep 2011 17:13

joepaluch wrote:

So any tweak needs to have a pretty clear reason why we should change. Why will it make the class better overall?

Lower engine bay temps which cause reduced stress on the motor oil??? Thus reducing engine fatigue which increases the time between needing engine refreshes??

Am I wrong in my logic? Is the link between lower engine bay temps -> lower oil stress -> less motor fatigue wrong? If it is please tell me and let me know why. If you don't know then tell me too so I can keep digging into this for knowledge.

I hate making waves in a sport I love but I have some questions and want to learn. And I hate rules changes too but allowing wrap but no coating seems weird. And I guess that is the heart of my questions/concerns - the weirdness in allowing wrap but not coating.

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Re: Headers Question

Posted by cbuzzetti - 07 Sep 2011 19:04

I think the real answer is to not allow header wrap or coatings.

We dont really need them. Proper oil and water cooling is where it is at.

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Re: Headers Question

Posted by GT944 - 07 Sep 2011 19:49

cbuzzetti wrote:

I think the real answer is to not allow header wrap or coatings.

We dont really need them. Proper oil and water cooling is where it is at.

I'm in total agreement here - let's just eliminate the whole thing and be done with it. I say that we allow both, or allow neither. In the interest of the spirit of the class - lets just bail on header wrap.

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Re: Headers Question

Posted by Bamf3000 - 07 Sep 2011 20:03

cbuzzetti wrote:

I think the real answer is to not allow header wrap or coatings.

We dont really need them. Proper oil and water cooling is where it is at.

We also didn't need air ducting to the air filter but that was allowed for what reason? It either didn't do anything significant and we made a rule change to appease the masses or it increased HP.

IF we are thinking about getting header wrap because we don't want to allow coating, what exactly was the reason for allowing the wrap in the first place? I would love for someone to inform me how a coating would create a performance advantage over a wrap that is already in the rules?

And if we are going to go down the path of removing things from the rules because we don't want to have rule changes, then there are quite a few things that can be looked at also.

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Re: Headers Question

Posted by 944sracer - 07 Sep 2011 20:10

So I think Buzzetti is on the right track. We either allow both or neither. I think we need some more hard data though before we make any change of any kind. I think we should offer up a few test cars for this decision. We can take temps of engine bays during a race or DE Day then throw on a coated or wrapped header and re take temps. For simplicities sake they will probably be on a different day but as long as the ambient temps are similar we should be ok?

Thoughts?

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Re: Headers Question

Posted by JerryW - 07 Sep 2011 20:24

Thoughts are that the rules season isn't yet upon us and you should be bringing this up to your regional director (who will then bring it up to all the directors). Not all of the racers are on this board or active on here.

I'm not sure why you are so keen on allowing the coated headers - I haven't yet seen a problem described that would make me lean to changing the existing rules. Those who wish to reduce underhood heat have an option, and those who don't like the trade offs are able to run stock. Both have pluses and minuses and are a compromise.

IF IT AIN'T BROKE etc etc etc

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