

Piston Ring Gap.txt

dave bushell

Joined: 09 Jun 2004

Posts: 112

Location: Caterham, Surrey

Posted: Sat Dec 03, 2005 1:28 pm Post subject: Piston ring gap

What is considered to be the correct piston ring gap these days?
I've been quoted everything from ten thou. to sixty thou. They can't both be right!
Dave

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Roger Moss

Joined: 31 May 2004

Posts: 242

Location: Leicester UK

Posted: Sun Dec 04, 2005 5:43 pm Post subject: Ring gaps

Hi Dave

I have always used the traditional figure of bore size in inches times three.
ie 3" bore for Silk Pistons x 3 = 0.009" (Nine thou)

So I work on the safe side and make it 10 thou.

When I am building engines, I put each ring on the piston, fit it in the bore, then twist the piston LH & RH.

You can feel the piston move and the ring stay still till the ring end hits the stop. You should be able to feel and see the free movement.

We usually put a clock on to check this in situ figure.

Usually, folks put the ring in the bore, then push it down a bit with the skirt of the piston to be sure the ring is square, then use feelers to check the gap.

This is a tried and proved method, but I cannot resist belt and braces!

I will never win a prize for Brevity!

Kind Regards

Roger

Rebuilding and upgrading of Scott and Silk power and transmission units. New enhanced replica Scott engines. Special manufacture Scott technical info at our website www.mossengineering.co.uk

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dave bushell

Joined: 09 Jun 2004

Posts: 112

Location: Caterham, Surrey

Posted: Sun Dec 04, 2005 6:04 pm Post subject: Piston ring gap

Thanks Roger - that's a great help.
Sometimes people can be a little too brief with their info and you have to ask more questions!
Thanks again

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Dave

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Stan Thomas

Joined: 01 Jun 2004

Posts: 78

Location: Stafford

Posted: Wed Dec 07, 2005 12:39 pm Post subject:

Hi Dave,

Who's ha some spanners for Christmas then!

Piston ring gap is ten "thou" - although in reality, a little extra will not affect the engine diddly-sk watt, being a two-stroke. Thats one gap of ten thou, not two of five thou each if you break a ring fitting them!!!!

Kind regards,

Stan Thomas.

P.S.

I didn't think you knew the difference between a piston ring gap and watford Gap.

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dave bushell

Joined: 09 Jun 2004

Posts: 112

Location: Caterham, Surrey

Posted: Wed Dec 07, 2005 6:11 pm Post subject: Piston ring gap

Thanks Stan

No I don't - if it's north of the Thames!

Dave

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