944-SPEC - 944SPEC - low cost wheel to wheel racing

Generated: 4 November, 2025, 02:38

Motor durability Posted by Aslet - 24 Oct 2009 07:46
I had a cooling system failure on track in Aug and toasted the motor. I got a new (used) long block and had it all re-sealed and new rob bearings (a known failure point I hear). I was just at Watkins Glen and the motor blew (after 2 months from install). The connecting rod broke due to a bad nut holding it on. So I again have to get a new long block and do some work on it! I want to make sure I do it right this time. First I am going to get Raceware connecting rod hardware! I will also do the rod and main bearings, along with seals and belts/water pump. Are there any other items that are worth fixing up or changing? What are good upgrades to do on a stock 944 NA motor for better durability? Is getting the crankshaft cross drilled worth it?
Thanks,
Randy
Re:Motor durability Posted by sagoston - 28 Oct 2009 03:40 But if you don't have a shop you trust, should their "level 1" be legal for 944 Spec?
Level I
Surfaced Deck.
Replace valve guides and seals.
Competition 5 angle valve job.
Re:Motor durability Posted by Sterling Doc - 28 Oct 2009 07:45

It's the " competition 5 angle valve job" that's problematic.

If you're going to send it out, use on of our sponsors - click on Bennington Motorsports on the left - Nick there has done a lot of heads for us in the MW, and was the one that inspired the steam vent rule change. Nick's great to work with, and LEGAL.

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Re:Motor durability Posted by sagoston - 28 Oct 2009 08:52	
Is it the 5 angle vs. a more common 3 angle that is problematic?	
I took a look at Bennington Motorsports heads on their site and it looks like they do fine work. Their sit shows a head with "Intake port after light polishing". Surely this intake port polishing would be even more problematic than the 5 angle valve job?	
Re:Motor durability Posted by Aslet - 28 Oct 2009 09:48	
I like his last highly technical step of spraying the springs with WD-40! I do get that the 5-angle job wouldn't be legal, I overall was just trying to use the process as a reference for my question. If I have it done, I'll go to a local shop.	t

Re:Motor durability
Posted by Sterling Doc - 28 Oct 2009 12:34

I guess we need to define what is "stock" when it comes to valve jobs. The "competition" adjective implies more than stock, especially from Lindsey.