

Springs and struts

Posted by Juliuswvs - 2021/11/12 04:05

Hey Guys,

I'm not too far from upgrading my current suspension setup from D2 coilovers to standard-ish setup on my daily driver REV3 Tubby.

The roads are getting worse and I'm getting older :D

Having an eye on the yellow Bilsteins (B6), but not entirely sure what to expect from them. Would these be much comfortable for everyday driving than a cheap-ish coilover setup?

I originally wanted to get standard rebuild-able struts, restore them and try few shocks in the future like Koni's and such, but I found it impossible to buy them in reasonable condition.

New ones are discontinued as per TCB, MR-MR2 only has very rusty ones and he says they are not really suitable for turbo anyway. (some size/height difference)

The other question are the springs. I have no idea what to get.

TCB got KYB standards which I might try, but I don't want my car look like a 4x4

I read a lot and I can rule out H&R springs for sure.

I would like a comfortable setup which are not lifting the chassis too much.

This is my current height on 17's rear(235/45), 16's front(205/45)

<https://i.imgur.com/LqL6gMs.jpg>

I would like similar height or could be a little higher.

I think I might need -20mm drop springs, but that's just guess.

Any input is appreciated.

Cheers,

Julius

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Re: Springs and struts

Posted by Marty J - 2021/11/16 20:27

I used to have Bilsteins on my rev2 turbo. They were comfortable without being harsh on the rough roads. The reason I changed them was because I wanted new coilovers.

I have heard good things about Swift springs, although I have never tried them.

You can buy black Bilsteins here, although they do seem expensive.

<https://mr2-ben.co.uk/products/234>

Also yellow.

<https://mr2-ben.co.uk/products/51>

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Re: Springs and struts

Posted by Juliuswws - 2021/11/18 17:05

Thanks for your reply Marty!

Yellows are already on the way.

Wish I could keep my D2s, but the roads are only getting worse and the older I am the crankier :D

Thanks for the links!

Cheers

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Re: Springs and struts

Posted by Bommie - 2021/11/21 18:42

Hope the yellows work out for you julius, let us know. I had the dilemma and ended up buying coilovers, car hasn't been on the road since but I can only assume it'll be a rough ride.

Yellows were my first preference so would be interested to know what you think of them

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Re: Springs and struts

Posted by Juliuswws - 2021/11/22 05:57

Thanks Bommie, I will let you all know.

I very much hope it will work out well, especially considering the money I put into this project already. Running on D2s for 9-10 years (all ownership). Hopefully it will be a big change to the right direction.

Cheers,
Julius

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Re: Springs and struts

Posted by Juliuswws - 2022/02/13 17:18

Got the Yellow Bilsteins installed couple weeks ago with KYB RD5460 and RD1613, I'm pretty happy with it.

They are only a little softer my my coilovers were, but you can feel the quality is higher. Rebound is much more controlled. I mean the wheels doesn't kick back that violently on certain

bumps/imperfections on the road.

I can/could take speed bumps faster now.

I suppose it would be the best to drive it on 15's, but that's not gonna happen.

As for fast cornering, I'm not sure yet because so I also got new tires (from Conti Prem Contact 6 to Bridgestone Turanza T005) and I still have to find the good pressures for these new tires. (Currently 1.9bar front and 2.4 rear)

Not to mention these new tires are XL and the previous were not. So there are many variables.

Body roll is a little more than it used to be, but that's expected due to the softer KYB springs and higher ride height.

In fact the front are pretty high still. 17's in the rear and 16's front doesn't help either with arch gap.

Eibachs are on the way :D

My addition of DIY spring insulators also raised it by 2mm

<https://i.imgur.com/8OH4C83l.jpg>

With absolute 0km in the front. There rear springs already had few hundred kms in them at this stage

<https://i.imgur.com/ukKVYRcl.jpg>

Front height dropped a little since, so its more acceptable.

I will definitely change the front springs, but might leave the rears as is. I want equal height/arch gap front and rear.

Also tried a 5mm spacer on the rears and I really liked the outcome. With these KYB spring it will be no problem to add spacers. Got the longer studs, I will install them along with the spacers in the near future.

With 5mm spacer:

<https://i.imgur.com/0dHYm3ll.jpg>

<https://i.imgur.com/ksQEZKPl.jpg>

Without spacer:

<https://i.imgur.com/gFOSnnzl.jpg>

<https://i.imgur.com/d3VJOMUI.jpg>

Cheers

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Re: Springs and struts

Posted by Marty J - 2022/02/19 15:39

The front is way too high as you mentioned.

Once you have the springs to your liking, if you think that there is too much roll then I would suggest upgrading the anti-roll bars. Do lots of research because they can affect the handling in different ways and it's not always for the better.

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Re: Springs and struts

Posted by Juliuswws - 2022/03/13 18:37

I think I nailed it.

Eibach Pro-kit front, KYB RD5460 rear.

Very happy with the look and height.

Handles and steers better with the front being lower compared to the higher KYB springs.

Roll reduced as well, I'm happy as it is.

<https://i.imgur.com/d4Cdc8ah.jpg>

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Re: Springs and struts

Posted by Bommie - 2022/04/13 11:09

Looking well now Julius!

Lots of trial and error but it's paying off

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