



[TS Discussion Forums](http://www.tundrasolutions.com/forums/index.php) (<http://www.tundrasolutions.com/forums/index.php>)

- [Tires, Wheels & Alignment Discussions](http://www.tundrasolutions.com/forums/forumdisplay.php?f=29) (<http://www.tundrasolutions.com/forums/forumdisplay.php?f=29>)

- - [Anyone notice uneven tire wear?](http://www.tundrasolutions.com/forums/showthread.php?t=27551) (<http://www.tundrasolutions.com/forums/showthread.php?t=27551>)

Stargazer

06-14-2004 08:52 AM

Anyone notice uneven tire wear?

Is camber adjustable on the Sequoia? Does anyone know if "DJ's Specs" would fix some uneven tire wear I've noticed?

The vehicle tracks fine and it goes straight so it doesn't feel out of alignment. But there's a lot of positive camber on the front wheels--is that normal? The outside edges of the tires are worn out. Is that because the tires weren't rotated frequently enough in the past?

I like the way my Sequoia handles now. It's travels straight and is very stable at high speeds. Plus, I would rather not pay for an alignment I don't need. But I'm probably going to pick up a new set of tires this week and I would like to prevent uneven wear. Would simply rotating them more often solve the problem?

Any suggestions?2003 Sequoia LTD ~ Phantom Grey: [[url=http://www.istargazer.ca](http://www.istargazer.ca)]Details and pictures[/url]

Kzang

06-14-2004 09:10 AM

Usually, if the outer wears out more then the rest it is due to hard corning.. this is what happened to my Mustang tires alot... I used to take sharp corners quite frequently and it wore out the outer side of the tires...

This happened with any brand of tires and with the tires being properly balanced and aligned. Just some info if it helps any.

sequoiasoon

06-14-2004 09:48 AM

\$500-\$600 for tires I'd get it aligned anyway just to make sure it's right. Many places give a good discount if aligned at the same time and yes a lot of positive camber will make it wear quicker on the outside edge (especially when cornering more)

Stargazer

06-14-2004 10:22 AM

Two very valid points. I just like the way the Sequoia is handling right now and would rather not

mess it up. It wasn't until after I took the Sequoia off the jack stands that I could see how much positive camber there was.

So camber is adjustable. Do DJ's Specs reflect a more neutral camber? How would a more neutral camber affect handling? 2003 Sequoia LTD ~ Phantom Grey:
[url=<http://www.istargazer.ca>]Details and pictures[/url]

Kzang

06-14-2004 10:36 AM

Don't post too much info about this or it will most likely get pulled & moved to the appropriate forums where only paying members can access or view.

Many of the threads I have started with good info or threads I have posted a reply got pulled and moved to members only view forums, which IMO is lame since we all are sharing experiences and info... paying members or not. This also kinda forces us to be a paying club member too I guess.

DJ

06-14-2004 12:07 PM

Quote:

Originally Posted by Stargazer

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So camber is adjustable. Do DJ's Specs reflect a more neutral camber? How would a more neutral camber affect handling?

Camber generally doesn't have much effect on handling (except on race cars, of course). It can have a HUGE effect on tire wear if it's wrong.

Camber and caster are adjustable by cams on the pivot points of the lower control arm. Do not assume that "one cam adjusts camber and the other cam adjusts caster" -- that is not true on the Tundra and Sequoia. EACH cam changes BOTH camber AND caster. That makes it a real bitch to get both camber and caster correct, UNLESS a Hunter alignment system is used. The Hunter consoles model 211, 311, 411, 511, 611, and 811 have a "CAMM" screen that makes it extremely easy and fast to get both camber and caster correct.

If you put on new tires, I suggest having it aligned to avoid wearing out the outside edges of the new tires. My Sequoia is aligned to:

caster: +2.75 degrees
camber: +0.25 degrees
total toe: +0.08 degrees

and my tires are wearing beautifully.

KLS

06-14-2004 02:18 PM

As has been said many times before, insist that the alignment tech hit these specs exactly. Don't let them get away with the, "I know more than you," attitude.

Ken You get what you inspect Not what you expect.
[SIZE=1]S&S Long Tube Hi-Torque Headers Hellwig Rear Antisway Bar Sylvania Xenarc H.I.D.
X1010 Auxiliary Low Beam Driving Lights Schaeffer Engine Oil, ATF, Differential Oil Racor
LFS22825 full-flow transmission filter Towing a
21' <http://www.bigfootrv.com/traveltrailers/2500.html> Bigfoot trailer using a
<http://www.hensleymfg.com/whatisthearrow.html> Hensley Arrow hitch,
<http://www.jordanbrake.com/> Jordan brake controller, McKesh mirrors

Stargazer

06-14-2004 02:54 PM

Thanks for the help everyone :tu: .2003 Sequioa LTD ~ Phantom Grey:
<http://www.istargazer.ca> Details and pictures

Stargazer

06-23-2004 03:43 PM

Well, I went to the Toyota dealership and they couldn't do the alignment. The BFGs have a rim protector around the edge and the techs couldn't mount the equipment without causing damage to the wheels. They recommended a shop with laser alignment equipment. So I'll try again this weekend.

One last thing, the service advisor mentioned that the alignment numbers might be different for different sized tires. Is that right? Do the alignment numbers change based upon the size of the tire? 2003 Sequioa LTD ~ Phantom Grey: <http://www.istargazer.ca> Details and pictures

DJ

06-23-2004 07:46 PM

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My Tundra came with BFG's, and I aligned it numerous times without any damage to the wheels. Hunter wheel clamps have interchangeable "fingers" that slip between the tire and the wheel, and they worked with my BFG's just fine.

Perhaps you need to try someone else who has the right equipment, and it ain't "laser" equipment. Only Hunter alignment consoles have the "CAMM" display, without which the adjustment of camber and caster is a nightmare.

Unless you use a "huge" tire, or a wheel that sticks out from the hub like a huge, well, whatever, you should use the same alignment settings.

Stargazer

06-28-2004 10:22 AM

Thanks again, DJ, for the great advice.

I would be nice and went back to the dealership to give them one more chance. Even though they had Hunter machines, they said there was no way they could do the alignment without damaging the wheels. They insisted on a shop with laser equipment and even called for them for me. Then the service guy mentioned that I might as well try the Big O Tire shop across the street since I was there.

I did and the job is complete :) .

It turned out my camber wasn't really that bad at all. It was the toe that was really off. I thought the Sequoia handled well before, but now it feels really stable and goes as straight as an arrow-- I feel like I could drive down the road saying, "Look, ma, no hands!" :D

As for the uneven tire wear, I think maybe the dealer principal who drove the Sequoia before I got it as demo never rotated the tires since I noticed some wear upon purchase--it must have started the problem. That won't happen anymore since in the last year I've had the Sequoia I already rotated the tires 3 times. :eek:

The best thing about Big O is they did a good job and their price was cheaper than all the other quotes I had :tu: .2003 Sequoia LTD ~ Phantom Grey: [url=<http://www.istargazer.ca>]Details and pictures[/url]

DJ

06-28-2004 10:33 AM

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Damn, we're good.

At least the dealership decided not to risk damaging the wheels. Give them credit for trying not to do something wrong.

KLS

06-28-2004 10:37 AM

Star,

Lack of rotation doesn't cause tire wear, it just shares the wear among all the tires. Improper alignment, bent parts, incorrect inflation pressure, or poor design cause uneven tire wear.

Ken[[color=navy](#)]You get what you inspect[/color] [[color=navy](#)]Not what you expect.[/color]
[[SIZE=1](#)]S&S Long Tube Hi-Torque Headers Hellwig Rear Antisway Bar Sylvania Xenarc H.I.D.
X1010 Auxiliary Low Beam Driving Lights Schaeffer Engine Oil, ATF, Differential Oil Racor
LFS22825 full-flow transmission filter Towing a
21' [[URL=http://www.bigfootrv.com/traveltrailers/2500.html](http://www.bigfootrv.com/traveltrailers/2500.html)]Bigfoot trailer[/URL] using a
[[URL=http://www.hensleymfg.com/whatisthearrow.html](http://www.hensleymfg.com/whatisthearrow.html)]Hensley Arrow hitch[/url],
[[url=http://www.jordanbrake.com/](http://www.jordanbrake.com/)]Jordan brake controller[/url], McKesh mirrors[/[SIZE](#)]

All times are GMT -7. The time now is 02:41 PM.