



Welcome, wamanning. You last visited: Today at 02:24 PM Private Messages: Unread 0, Total 60. SVRider Board > Workshop > 03 + SV650 Tech Reload this Page Shocking Developement...ZX10 rear shock on a '06 **VS650S** User CP FAQ **Members List** Calendar **New Posts** Search ▽ Quick Links ▽ Log Out

03 + SV650 Tech Info, advice or questions specific to the 2003-up model SV650.

POST REPLY Page 1 of 3 1 2 3 > ▽ Thread Tools

Search this Thread

Rate Thread

Display Modes

Thread

Thread Thread

Display Modes

Thread

Thread

⋒ 08-25-2007, 10:53 PM

Shocking Developement...ZX10 rear shock on a '06 VS650S

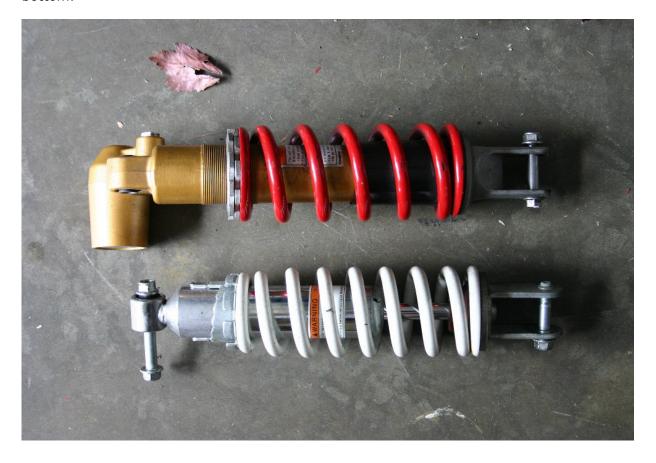
clm2112



Location: Ormond Beach, Florida Posts: 120 iTrader: (0)

Well, another part done on my '06 SV650S. Today I swapped the stock shock with a 2005 ZX-10 rear shock. It was a little more complicated than I thought. I think if I searched around a bit more, I could have found one with the resevoir angled down instead of being angled up. I'll keep looking, but for the moment the job is done using the one I picked up o ebay. (\$45)

Here's the two shocks side-by-side. ZX10 shock on the top, stock SV650 shock on the bottom.



The ends of the shocks are the same width and pin diameter for the bolts, so no

1 of 6 1/10/2008 9:51 PM modifications were required here.

I cheated when it come to raising up the rear end of the bike....



Problems encountered: Interference between the battery box and the shock resevoir. I resolved this by first removing the extra plastic shield from around the underside of the tool-kit holder, removing the rubber splash shield, then relocating the two holes that attach the battery box/inner fender. That move the entire battery box aft 1/2 ", leaving plenty of room for shock and the resevoir. SHould I happen upon another cheap shock like this with a resevior that angles down instead of up, I can undo this little mod and put the batter box back on it's original mounting holes.

Other problem was the lower link bolt and the adjacent dogbones. The original shock is threaded where the lower link bolt connects and doesn't need a nut on the end of the bolt. The ZX10 shock isn't threaded and needs a nut on the bolt...which will interfere with the rig side dogbone (every so slightly) Using a shorter bolt and loctite solved it for the moment, b a better solution wouldbe about 1/8" worth of spacers on the dogbone bolts to move the rig side one a little more to the right.

Ok, here's what it looks like when done...

2 of 6 1/10/2008 9:51 PM



2006 SV650s - D&D, Corbin Saddle, Fender Eliminated, Flush LED Turn Signals, Progressive fork springs, 14:44 final, Speedo-Healer, GSXR600 rear shock, Scott damper.

Last edited by clm2112 : 09-02-2007 at 09:44 AM.



QUOTE

08-25-2007, 11:19 PM

clm2112



Join Date: Jul 2007 Location: Ormond Beach, Florida Posts: 120 iTrader: (0) Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

Addendum:

Ok, reading the thread from the other fellow who used an '06 ZX10 rear shock, I can see the difference right off the bat...the '06 and '07 ZX10 shocks have the resevoir comming straight out of the shock at a right angle and is closer to the body of the shock. Whereas the '05 shock I used has the resevoir angled up 45 degrees and a little further away from the body of the shock..hence the interference.

So...time to try again and go look for a '06 or '07 ZX10 shock. These shocks are cheap enough to experiment with.

I do like the ride quality with the ZX10 shock on the bike. I'm 5'10, 220lbs. The rear feels a little stiffer now going into corners.

2006 SV650s - D&D, Corbin Saddle, Fender Eliminated, Flush LED Turn Signals, Progressive fork springs, 14:44 final, Speedo-Healer, GSXR600 rear shock, Scott damper.

u 🗓

шоте 📑 🖺

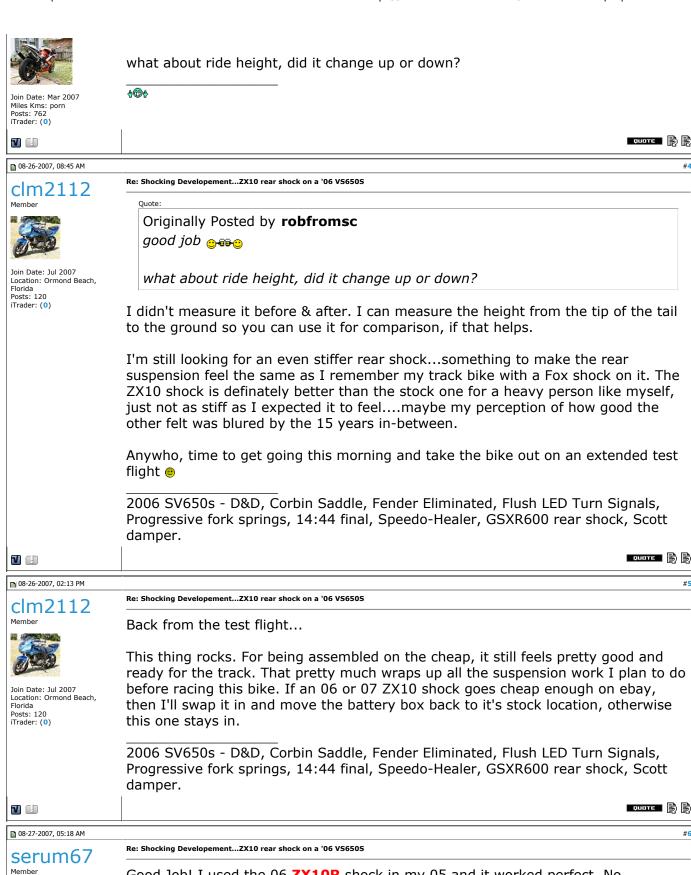
© 08-25-2007, 11:58 PM

Supporting Member

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

good job 🖰 😁 😊

3 of 6 1/10/2008 9:51 PM



© 08-27-2007, 05:18 AM

Serum 67

Member

Join Date: Mar 2007
Location: Pleasanton, CA
Miles Kms: Riding
Posts: 52
ITrader: (1)

© 08-29-2007, 10:32 PM

#6

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

Good Job! I used the 06 ZX10R shock in my 05 and it worked perfect. No relocation. If you want something heavier, go with a BUSA!

4 of 6 1/10/2008 9:51 PM





Join Date: Jul 2007 Location: Ormond Beach, Florida Posts: 120 iTrader: (0)

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

Originally Posted by **serum67**

Good Job! I used the 06 ZX10R shock in my 05 and it worked perfect. No relocation. If you want something heavier, go with a BUSA!

What's the interference issues with the Hyabusa rear shock on a 03-07 SV650? Looking at the photos of all the ones I could find online, it looks like the resevoir is in the same orientation as the '05 ZX10 shock. I also looked at the '06 GSXR600 and 750 shocks. They have the resevoir in the same straight out orientation as the '06-'07 ZX10 shock, but a little further out.

As an amusing side note, I figured out what to do with the SV650 shock that came out. Some quick measurements and sure enough, it will fit my beat up Honda VTR250 Thank You Showa for making these things in common sizes.

2006 SV650s - D&D, Corbin Saddle, Fender Eliminated, Flush LED Turn Signals, Progressive fork springs, 14:44 final, Speedo-Healer, GSXR600 rear shock, Scott damper.



09-01-2007, 11:13 AM

Bodie Member

Join Date: Mar 2007 Posts: 62 iTrader: (0)

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

Just installed an 04 ZX-10 shock in my 06 SVS, very minimal cutting of the battery box. Stiffer ride but good for me at 220lbs. I'll have to look at the clearance of the lower bolt/nut on the dogbones now that you mention it. hmm...



09-01-2007, 11:18 AM

Bodie Member

Join Date: Mar 2007

□ 09-01-2007, 11:58 AM

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

Nope, clearance is good, several millimeters.







риоте 🖹 🕏 #10

ошоте 🖹 🗟

ошоте 🖹 🗟

#8

#9

svsuperninja Member

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

CAUTION

Posts: 142 iTrader: (0) i really like the idea of installing this shock instead of the gixxer thou shock, but i only weigh 175lbs without gear.

Join Date: Jul 2007 Location: bay area of CA. Bikes: naked K6 sv650 Miles Kms: not enough...

any thoughts on this shock matched with .95 springs up front?

anybody else around my weight using this shock on the rear?

it seems like this shock would be to stiff for my weight, but maybe somebody else has had good results.

thx.

v 🗓

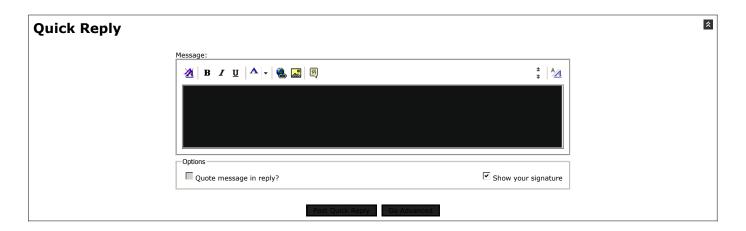
QUOTE B B

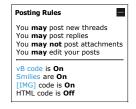
POST REPLY

Page 1 of 3 1 2 3 > ▽

« Previous Thread | Next Thread »

5 of 6 1/10/2008 9:51 PM





Forum Jump ▼ Go 03 + SV650 Tech

All times are GMT -5. The time now is 09:50 PM.

Design Developed by CompleteGFX ©1999-2007 site design by BIG BLOCK / Rob Chappell

-- Dark vB Fluid (Free) ▼

Contact Us - SVRider.com - The ultimate SV resource - Archive - Top

1/10/2008 9:51 PM 6 of 6





Reload this Page Shocking Developement...ZX10 rear shock on a '06

VS650S

User CP FAQ Members List Calendar New Posts Search ♥ Quick Links ♥ Log Out

03 + SV650 Tech Info, advice or questions specific to the 2003-up model SV650.

i really like the idea of installing this shock instead of the gixxer thou shock,

clm2112

nber

Join Date: Jul 2007 Location: Ormond Beach, Florida Posts: 120 iTrader: (0) but i only weigh 175lbs without gear.

Originally Posted by svsuperninja



On the top is the stock '06 SV650 shock, on the bottom is the stock '06 GSXR600 shock.

The shock is about 1/2" shorter than the SV Shock and the dry weight of the GSXR600 is 30 lbs lighter. But, I'm guessing the spring is a bit stiffer and you do pick up the adjustments the SV's shock doesn't have. The resevoir comes out of the shock at a right

1 of 5

angle to the centerline, so it will probably go in just like the '06-07 ZX10 shock. 2006 SV650s - D&D, Corbin Saddle, Fender Eliminated, Flush LED Turn Signals, Progressive fork springs, 14:44 final, Speedo-Healer, GSXR600 rear shock, Scott damper. Last edited by clm2112 : 09-02-2007 at 09:44 AM. риоте 🖹 🗟 **V** 09-01-2007, 05:42 PM #12 Re: Shocking Developement...ZX10 rear shock on a '06 VS650S Bodie Member ZX-10 shock is too stiff for a 175lb rider. The GSXR is the one to go with, though Join Date: Mar 2007 Posts: 62 iTrader: (0) you should check the year of the shock as they differ in spring weight, " I believe". QUOTE B v 🗓 09-01-2007, 05:51 PM #13 Re: Shocking Developement...ZX10 rear shock on a '06 VS650S Sean I did the same thing with my 06, and I also had the problem with the interference. Newman Instead of moving the box, I just started cutting plastic like a mad man. Supporting Member I didn't really care how pretty it looked, nobody is ever going to see it. ~ Pro Patria - Ex Coelis ~ iTrader: (0) опоте 👺 👺 **V** ■ 09-05-2007, 09:19 PM Re: Shocking Developement...ZX10 rear shock on a '06 VS650S rangerman2bn Titanium Member Not to beat a dead horse, but I have a shock from a 05 600rr, every thing looks about the same as the other shocks, i.e. resevoir angle. Has anybody used tis type before? Because all I see are zx6rs, zx10 and GSXR shocks. Join Date: Jul 2007 Bikes: SV650S Miles Kms: 2500 Posts: 136 iTrader: (1) OUDTE BB v 🗓

□ 09-05-2007, 10:25 PM

'06 GSXR600 Shock on an '06 SV650S was Re: Shocking Developement...

clm2112



Join Date: Jul 2007 Location: Ormond Beach, Florida Posts: 120 iTrader: (0) Changing gears a little, I went ahead and installed the '06 GSXR600 shock (the seller didn't know if it was off an '06 600 or 750...did a little research and some math and came to the conclusion it is an '06 GSXR600 shock.)

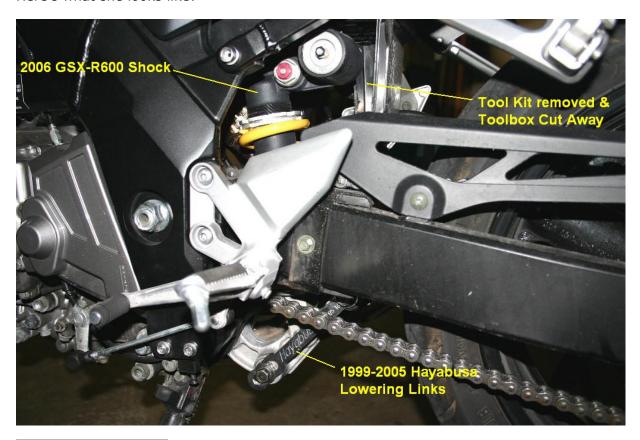
The rear suspension dropped to 37" (static sag only) above the pavement due to the shorter shock length. So I followed up on this by using a pair of lowering dogbones intended for the '99-05 Hayabusa. At 135mm on the center holes, then are shorter than the stock '06 SV650 dogbones, so they raised the tail up to 39". Not bad. I took the bike on a rather spirited ride on Labor Day with the new shock and it did pretty well for itself, even with the suspension being too low. I have higher expectations for tomorrows riding session.

Since the GSXR600's preload is stiff enough to generate sag numbers of 22mm with a 225lb. me, I think this one will be the one that stays on the bike. (I'm scrapping the idea of finding an '06-07 ZX10 shock and will be putting the '05 ZX10 shock back up on eBay to recoupe some money.)

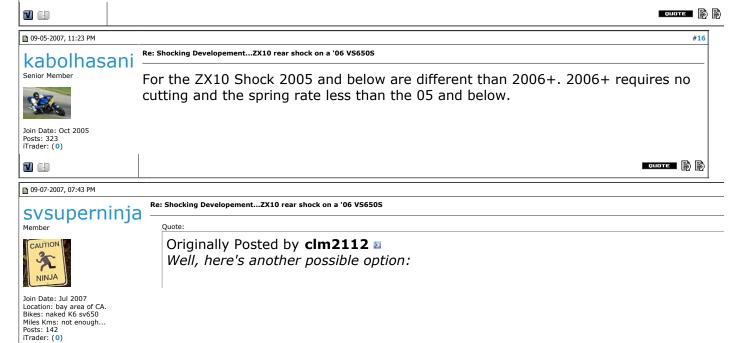
So far, this little adventure in shock swapping has cost me \$145.00 and about 9 hours of quality time in the garage.

2 of 5 1/10/2008 9:51 PM

Here's what she looks like:



2006 SV650s - D&D, Corbin Saddle, Fender Eliminated, Flush LED Turn Signals, Progressive fork springs, 14:44 final, Speedo-Healer, GSXR600 rear shock, Scott damper.



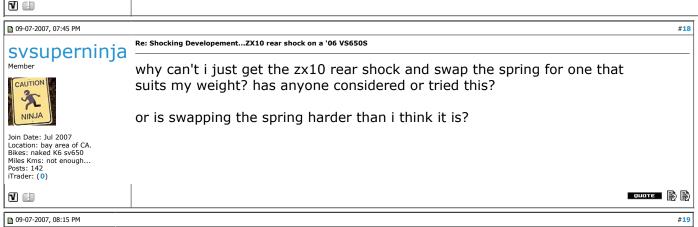
3 of 5



On the top is the stock '06 SV650 shock, on the bottom is the stock '06 GSXR600 s

The shock is about 1/2" shorter than the SV Shock and the dry weight of the GSXR 30 lbs lighter. But, I'm guessing the spring is a bit stiffer and you do pick up the adjustments the SV's shock doesn't have. The resevoir comes out of the shock at a angle to the centerline, so it will probably go in just like the '06-07 ZX10 shock.

thanks for the recommendation. nice to have another option.



Coop

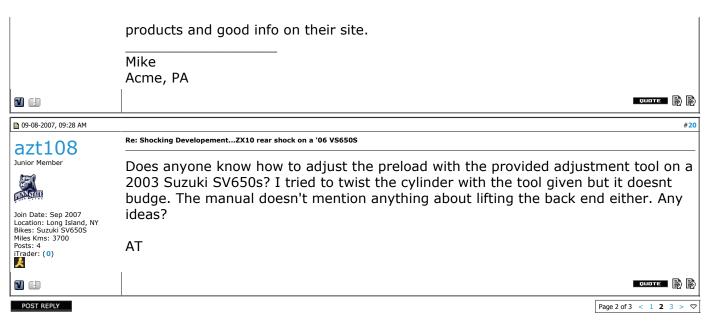
Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

17

Join Date: Feb 2005 Location: Acme, PA Bikes: 2005 SV650N Miles Kms: Not enough Posts: 1,392 iTrader: (2) Some shocks you can just back the pre-load all the way to release the pressure on the spring. Then just pull the collar down, remove the clip and off comes the spring. Some other shocks require a spring compressor. Unless you have the tool it is a tough job because you have to compress the spring first before it can be removed.

But you could certainly do that, several have with GSXR shocks. Either give it a go yourself or pay a suspension shop to do the swap for you. Race tech has great

4 of 5



« Previous Thread | Next Thread »





Forum Jump

03 + SV650 Tech

Go

All times are GMT -5. The time now is 09:51 PM.

Design Developed by CompleteGFX ©1999-2007 site design by BIG BLOCK / Rob Chappell

-- Dark vB Fluid (Free)

Contact Us - SVRider.com - The ultimate SV resource - Archive - Top

5 of 5 1/10/2008 9:51 PM

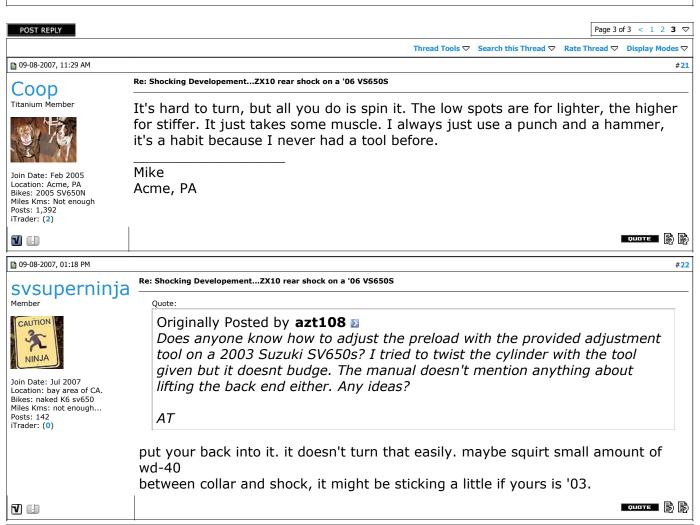




#23

Welcome, wamanning. You last visited: Today at 02:24 PM SVRider Board > Workshop > 03 + SV650 Tech Private Messages: Unread 0, Total 60. Reload this Page Shocking Developement...ZX10 rear shock on a '06 **VS650S** User CP Quick Links ▽ FAQ Log Out

03 + SV650 Tech Info, advice or questions specific to the 2003-up model SV650.



■ 10-10-2007, 01:29 PM

MoeSkillzlac

Re: Shocking Developement...ZX10 rear shock on a '06 VS650S

I just got outbid on a brand new ZX10 shock on ebay, *****!!

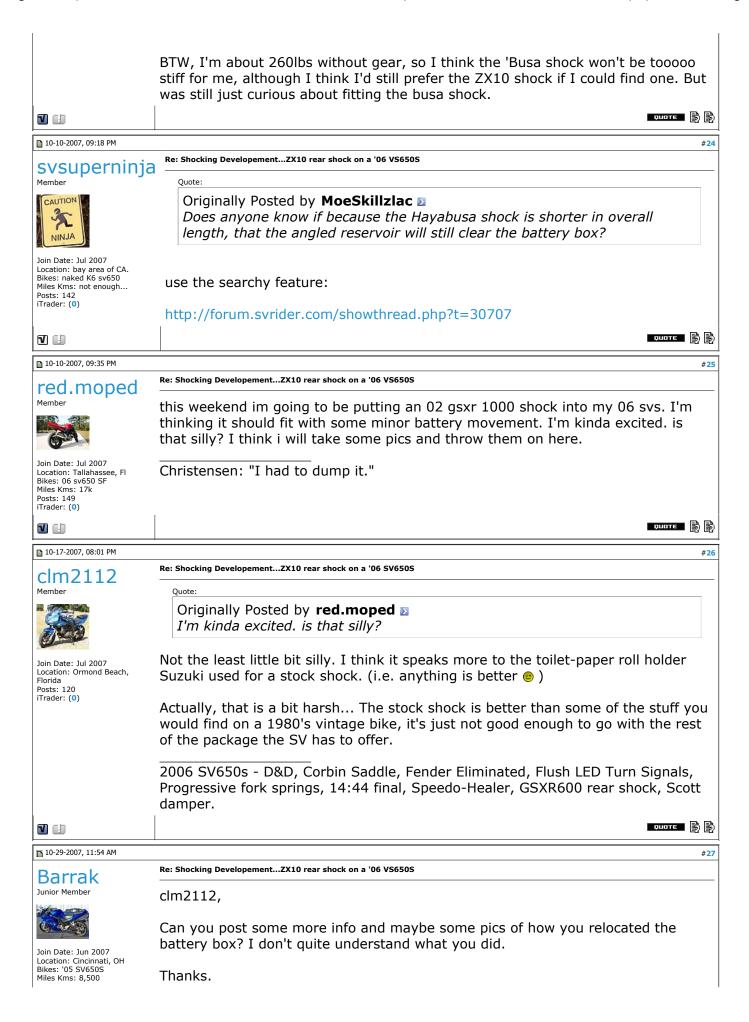


So I was looking at the Hayabusa shock as an alternative, there are a bunch more available. I'm paying strong attention to the whole reservoir thing (right angle to shock body vs. turned up at an angle), as I don't really want to have to cut out the battery plastic. THe Hayabusa shocks are all turned upwards at an angle.

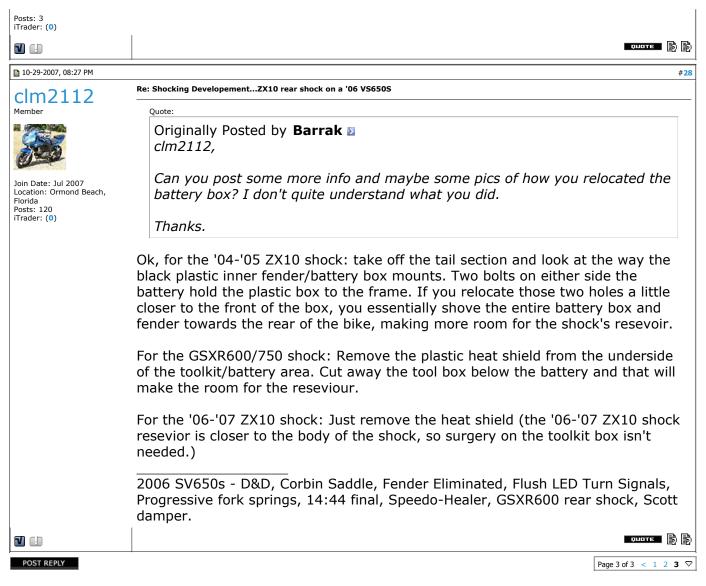
Location: Seattle,WA Bikes: '04 Suzuki SV650 Miles Kms: 3700 Posts: 35 iTrader: (0)

Does anyone know if because the Hayabusa shock is shorter in overall length, that the angled reservoir will still clear the battery box?

1 of 4 1/10/2008 9:51 PM



2 of 4 1/10/2008 9:51 PM



« Previous Thread | Next Thread »



You may post new threads
You may post replies
You may not post attachments
You may edit your posts

VB code is On
Smilles are On
[IMG] code is On
HTML code is Off

3 of 4 1/10/2008 9:51 PM

Shocking Developement...ZX10 rear shock on a '06 VS650S -... http://forum.svrider.com/showthread.php?t=55415&highligh...

All times are GMT -5. The time now is 09:51 PM.

Design Developed by CompleteGFX ©1999-2007 site design by BIG BLOCK / Rob Chappell

-- Dark vB Fluid (Free) ▼

Contact Us - SVRider.com - The ultimate SV resource - Archive - Top

4 of 4 1/10/2008 9:51 PM