## Impreza 2.5RS

RS FTW!

## Wheel Bearing How-To

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**If you have something good to add, a comment or correction** Please post them <u>here!</u>

#### **Credits**

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**Update:** Took me probably 6 hours at an easy pace the second time. I am still a newb! 

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Description:

#### What tools do I need?

At the minimum you should have a basic set of sockets and wrenches, hammer, rubber mallet, breaker bar, 32mm socket (axle nut), lots of PB blaster, some screwdrivers, needle nose pliers, and a slide hammer (can be rented from Autozone). To make the bearing removal tool, you will need a saw and a drill with a big bit (>  $1/2^{\prime\prime}$ ). You might also need... a torch, a large

socket (~36mm), a brake spring tool, and a sledge hammer.

**Update:** Brake caliper grease. 2-3 cans of brake cleaner - You can never have too much brake cleaner. Anti-Seize, put it on all the bolts, especially the lateral link bolt.

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Here is a list of parts for my 2000 Impreza 2.5RS, the part #s might be different for your car, always double check them with the place you're ordering from.

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## Where can I get the parts?

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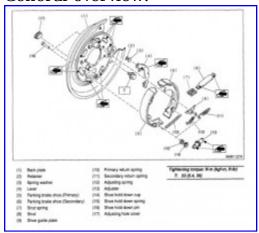
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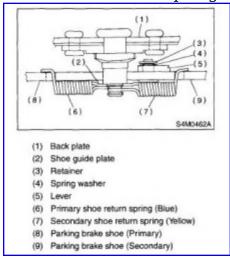
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The devil:



**Update:** Anti-Seize it when putting everything back together!

### My lateral link bushings are damaged, how do I get them out and put new ones back in?

I don't know if this is the standard way of doing it, but here is how I did it and it worked well. Take a large (36mm or so) socket, a long bolt, a nut, and a couple washers. Put the socket on one side of the bushing housing, with the socket opening facing the bushing, then put the long bolt though the bushing and then through the socket with washers on both sides, and finally put the nut on the end of the bolt. Now when you tighten the nut, the bushing will get pulled into the socket. Reinstallation is done using the same technique.

Here is what my bushing removal 'tool' looks like:



## How do I get the hub out?

The easiest way to get the hub out is using a slide hammer, pictured below. You can rent one at Autozone. In case yours comes without the handy lug adapter, like mine did, don't waste your time with the jaw puller (worthless), simply feed the slide hammer through the hub, and use a nut and a washer to smack it out of there. It comes out relatively easy.

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#### Part of the bearing is still on the hub, how do I get it off?

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What your hub will probably look like:



And what it should look like after the inner bearing race and seal are removed:



#### The seals don't come out!

Keep prying. MAKE SURE YOU REMEMBER (take pictures) THE PROPER ORIENTATION OF THE SEALS!

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5/8" diameter threaded rod about 2 feet long.

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16 washers with the inside diameter close to that of the rod, and the outside diameter the size of the inner bearing race

Some very strong wood 🤨

Make the tool using the pictures below as a guide. The inner section of PVC is 4 inches long, the outer is 6 inches. You will need to cut about an inch out of the inner pipe to get it to fit into the outer.

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#### The toolkit:



Inside of the pipe:



The big block of wood and tool used to make a hole in it (also need a chisel):



This is what will happen if you try to use some regular pine  $2 \times 4$ :



The ABS sensor is in the way!

You have two options here, either remove the backplate along with the ABS sensor, or if you're like me and your backplate is rust-welded to the bearing housing, you can simply cut/drill out a hole so the pipe goes around the sensor.

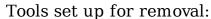
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A couple things to note here. First, make sure that your washers in the back are resting against the bearing race and not the bearing housing. Second, put some grease on the washers and threaded rod under them, that seems to help keep them from messing up the threads.







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#### How do I put the new bearing in?

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You can see Bills setup in this picture:



Here is my aluminum block:



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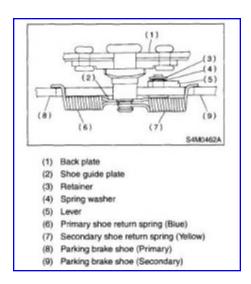
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## Inside of the pipe:



The big block of wood and tool used to make a hole in it (also need a chisel):





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## Categories

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- o Mods (5)
- o Pictures (16)
- Racing (24)
- <u>Uncategorized</u> (3)
- o Updates (24)

## Communities

- NASIOC
- <u>RS25.com</u>
- Corolla-Racing
- XceedSpeed

## My Other Sites

- o ACM-OU
- AngryCUBE
- o <u>AWDFTW.net</u>
- o PMGZ.net

## Parts

o <u>1st Subaru Parts</u>

## Meta

- <u>Login</u>
- Valid XHTML
- o <u>XFN</u>
- WordPress

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