

Fitting SJ Manual Hubs

If you have followed my website (www.bigjimny.com) then you will have seen the write ups on how to work on your vacuum hubs

(http://www.bigjimny.com/index.php?view=weblink&catid=61%3Ahowto&id=53%3Achecking-the-vacuum-hubs&option=com_weblinks&Itemid=61)

Eventually, particularly if you off-road your Jimny, you will decide to fit SJ Manual Hubs. Being manual these avoid all the hassle with faults in the vacuum system and can be relied on to work.

Unfortunately, SJ hubs are not a direct fit. The vacuum sealing ring on the Jimny Hub Nut stops the SJ hubs from fitting. You could simply undo the hub nut and grind off the sealing ring, but this is not easy, you will need a special tool to undo the hub nut.

I have put together a kit in the Bigjimny shop to sort out this problem. In the kit you get two spacer rings and 12 Hex cap bolts. The picture below shows the rings (the photo is of the prototype rings painted blue, the shop versions are properly plated)



Figure 1. Spacers

In addition you will need:

- SJ Manual Hubs
- THE CONES from the SJ Hub bolts.



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Figure 2. SJ Hubs



Figure 3. The Cone washers from the SJ Hub bolts

The kit includes replacement bolts as the Jimny and SJ bolts are too long and too short respectively.



Figure 4. SJ and Jimny bolts

Fitting is really simple and straight forward.

1. First remove the Jimny Hubs using an E10 Torx socket



Figure 5. E10 Torx socket

2. Coat the spacer ring with a thin layer of sealant to keep the water out.



Figure 6. Spacer ring coated with sealant

3. Slide the cones from the SJ hubs onto the new bolts



Figure 7. Cone washers on the new bolts

4. Now coat the bolts with a thin layer of thread locker



Figure 8. Coated bolt with thread locker

5. Offer the hub up to the wheel and run the bolts in by finger as far as possible. You may find the front of the hub prevents you from getting at the new bolts. Set the hub to FREE and undo the front plate.



Figure 9. Removing the SJ Hub front plate

6. Now you should be able to tighten the bolts, go around the hub a couple of times to tighten the bolts.



Figure 10. Tightening the bolts

7. Now refit the SJ Hub front plate and admire the finished installation. Note that this does NOT cure any flashing 4WD light warnings on your dashboard, but you KNOW 4WD is working because you manually selected the hubs!!!



Figure 11. The finished item!