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White cap and plastic gear installation instructions.

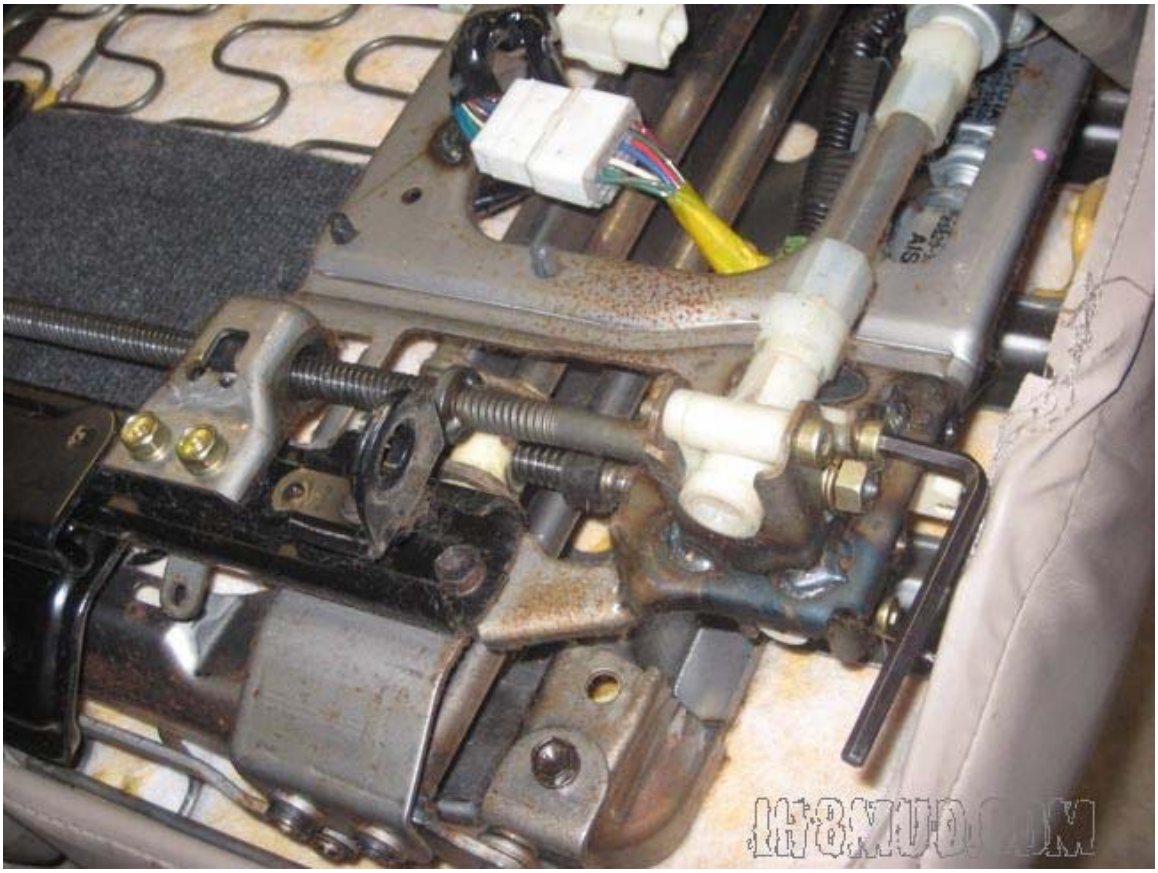
Special thanks to Woody and all the other wonderful contributors at ih8mud.com, without it this mod would have never happened.

Save paper, don’t print this out! Just leave it up on your computer and refer to it as needed.

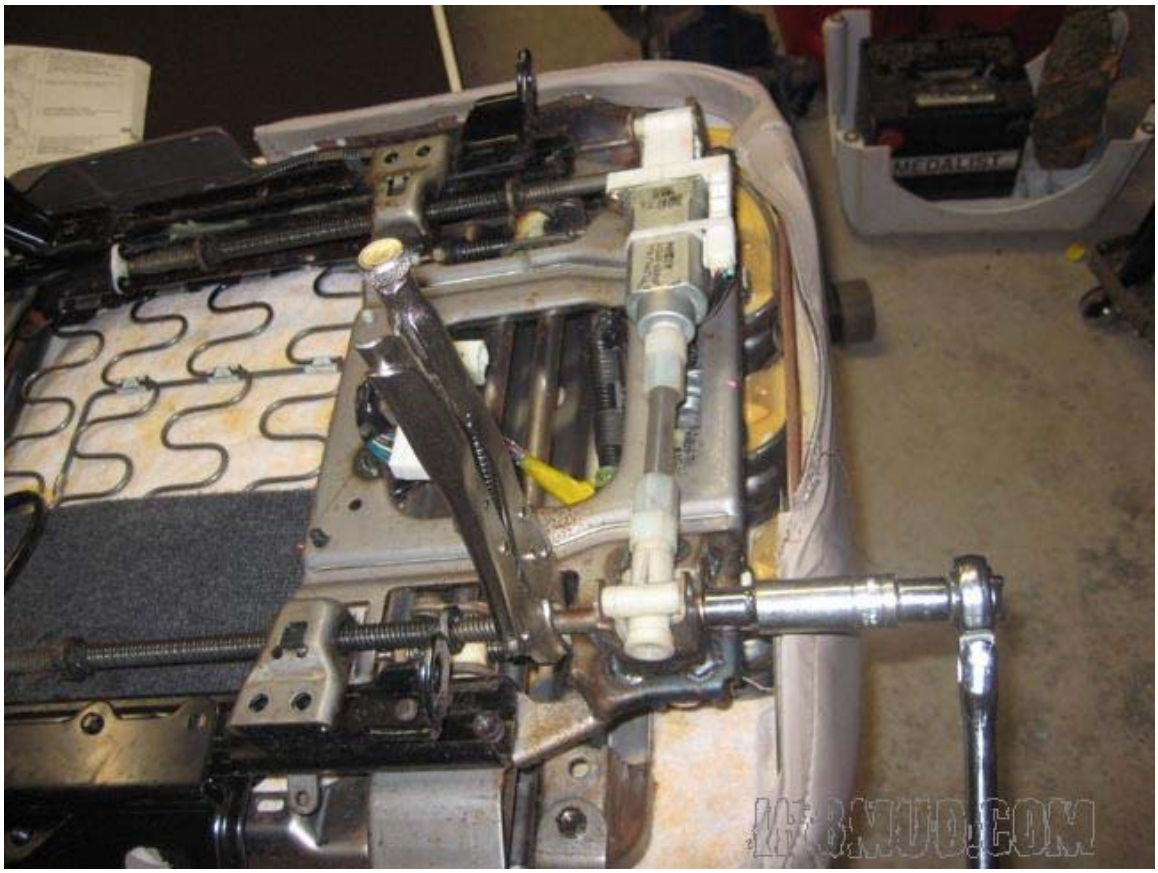
Start by removing your seat

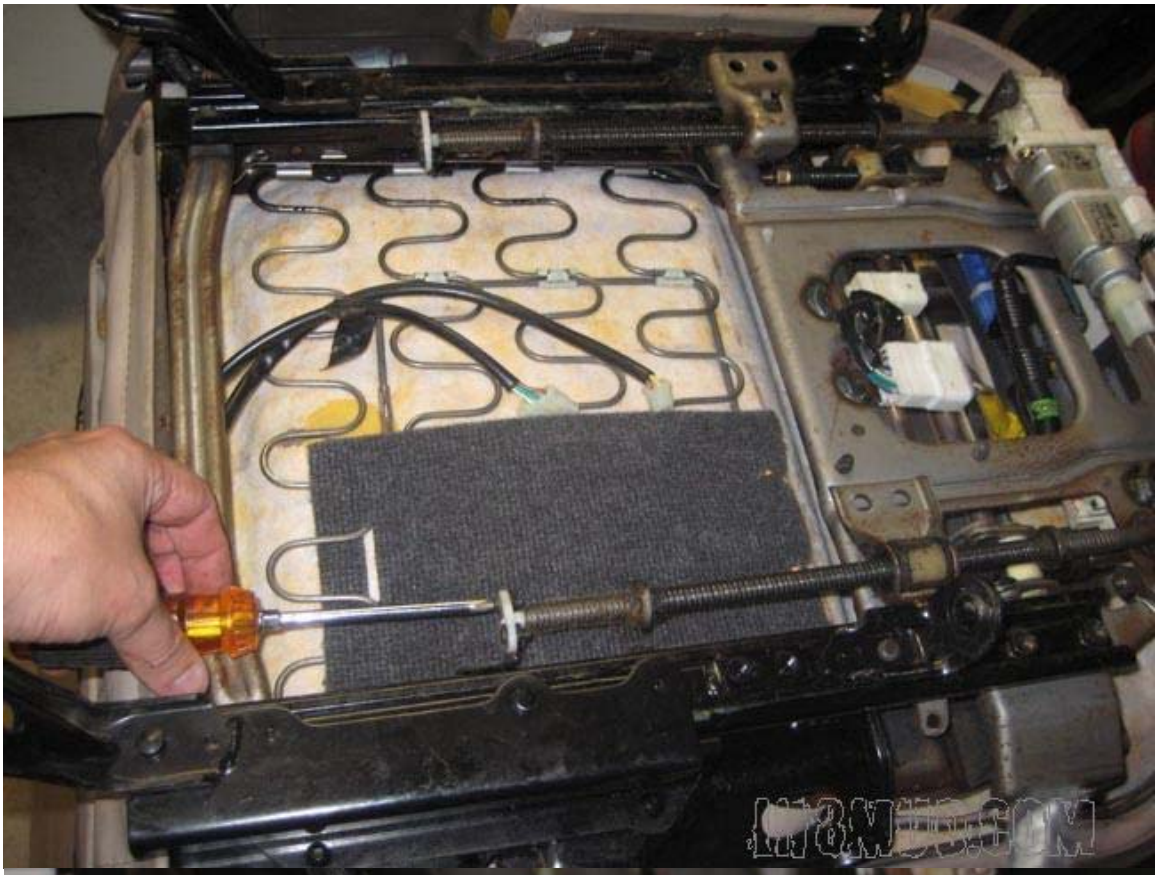
take off the front plastic panel

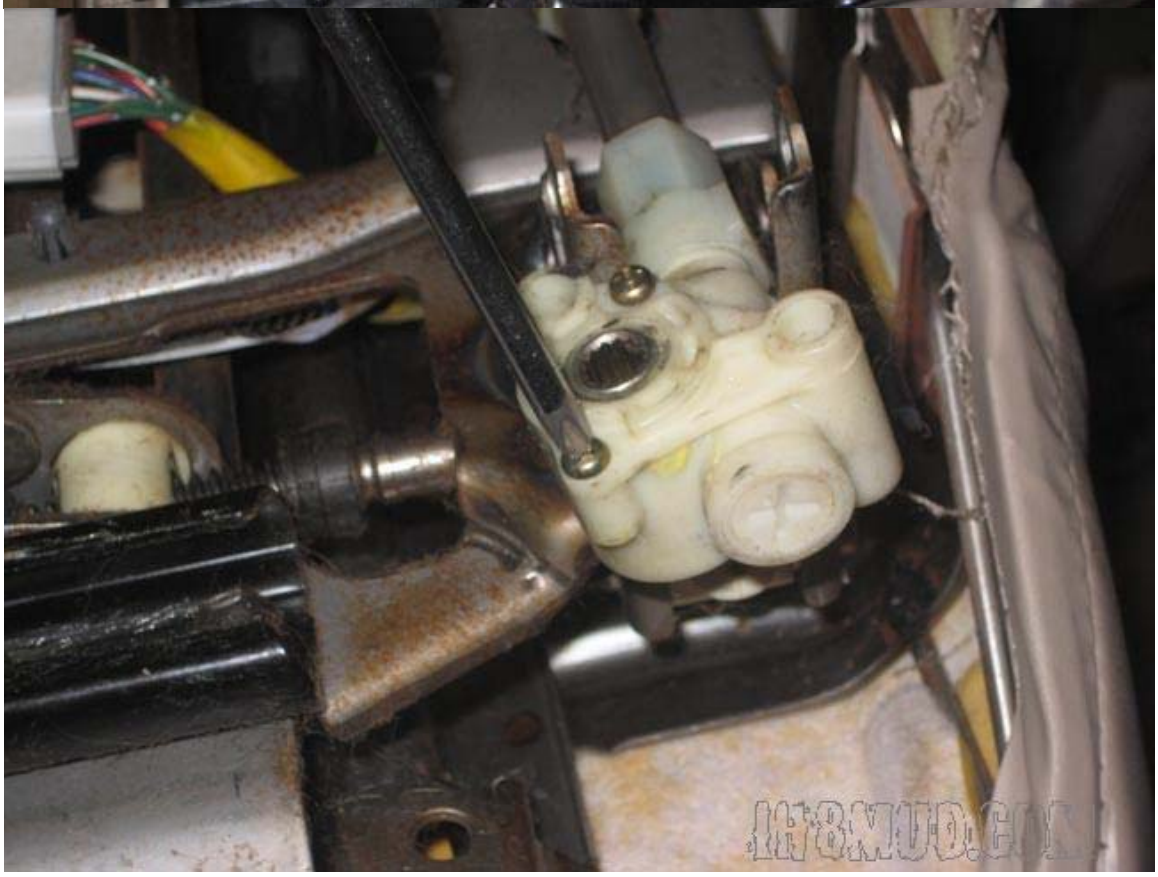
Then remove the 4 5mm allen bolts.



To take off the shaft bolts, hold the shaft with a vice grip. Remove the little plastic the rear supports, then unscrew the gear housing. When you remove the shafts from the slides of the seat, do your best not to allow the thing to twist at all, and thus change position. It's important that both sides are at the same position, in relation to each other, or it's going to try to push your seat crooked and probably not work too well.







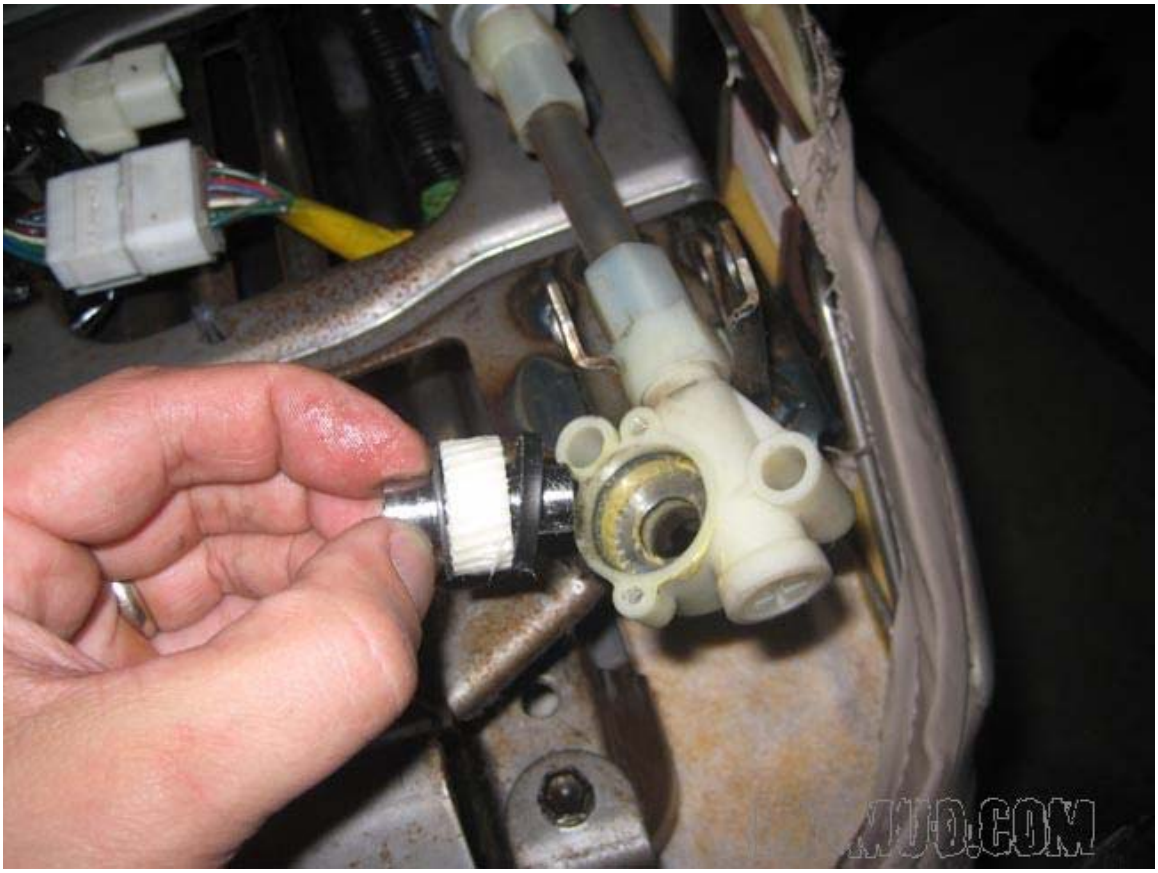
Notice how there's a thick rubber washer on the "inside" of the shaft, and a thin one on the "outside," against the little panel you just took off. I'm not sure if this matters, but suspect you could swap them down the road if you wanted to wear a different part of the gear.

To remove it, jack it off using a deep socket, or similar tube-like object. the 18mm I grabbed seemed to do the job well.

Now notice how there are three little indents (in the picture in the post above) in the side of the stock gear, where the thing has been staked in place. When removing, I pressed it so that I didn't make those stakes pass over the knurls of the shaft. Actually I don't know if that matters, but it felt worth mentioning at the time. To get it to budge (didn't want to shatter a perfectly good gear) I heated up the shaft with propane, actually aimed the flame at the vice mostly then let that heat the shaft. At about the time the gear started to look like it was about to melt, I was able to press it off with moderate force.

To press it on you can use a smaller socket if you want, and actually that will help create a stop when it smacks against the raised knurled portion of the shaft. Once on, I deburred the little chips the knurls made with a utility knife. You can see by the material removed how well engaged the knurls of the shaft must be with the new gear.

Then it's just bolt it all back up, I put the rubber washers in the same orientation as how they came out, and put a mess of grease around the new gear teeth.



Picture of all the the parts you removed, and most of the tools. Really not that much to it, I did all the bolts finger tight, then went around and put a wrench on them.. remember not to over torque those shaft nuts.

Remember when you're installing any seat, get all 4 started before you tighten anything, otherwise it takes twice as long as it needs to. total time start to finish is about 1 hour.

If you have any questions, you can see the same instructions, with a lot more discussion at http://forum.ih8mud.com/80-series-tech/236037-front-seat-gear-swap-broken-seat-missing-cap-issue-pt-2-a.html