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Land Cruiser & LX450
Power Seat Repair Instructions

White cap and gear installation instructions

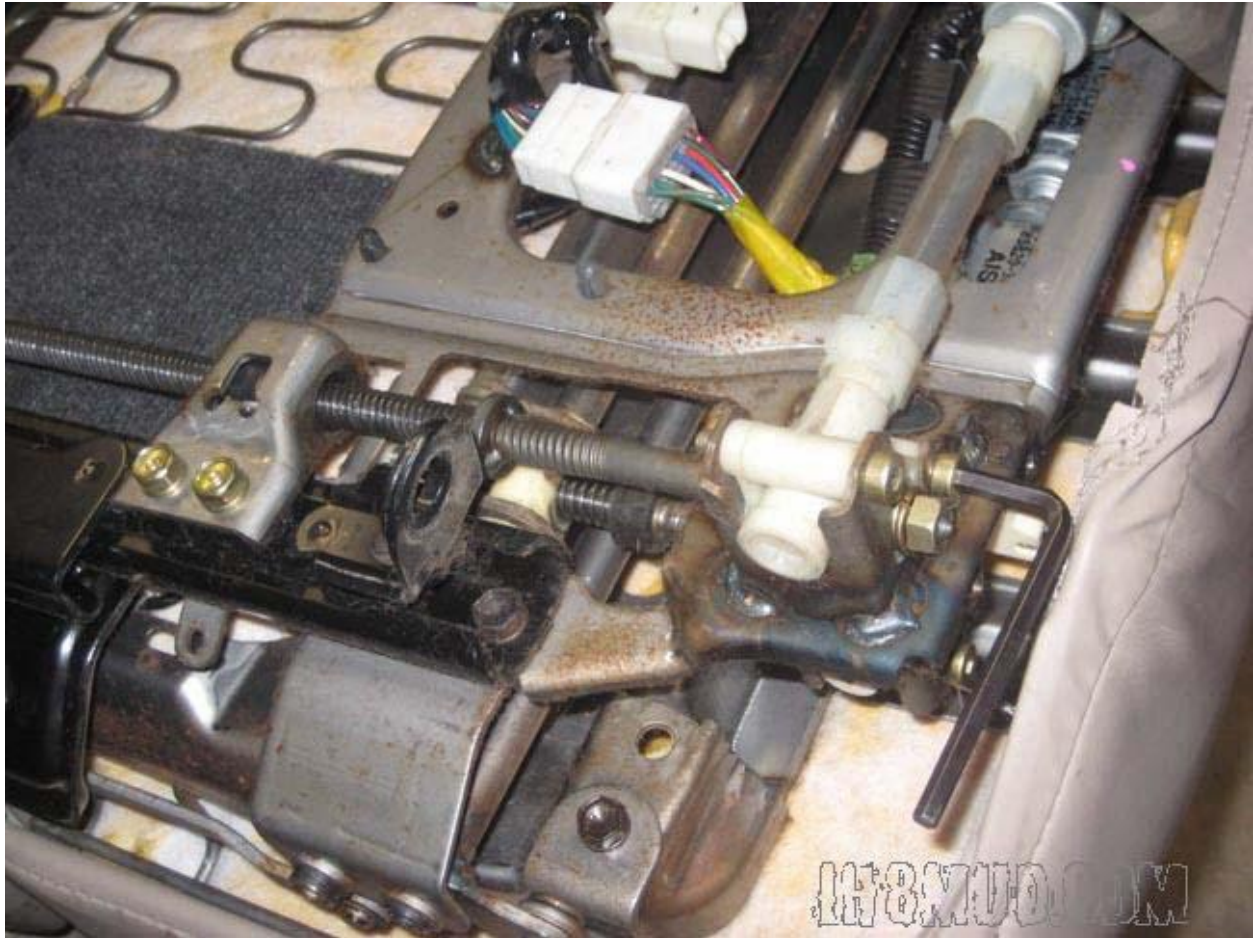
- 1) Start by removing your seat. It is held onto the car by 4 bolts (one at each corner)



2) Next, take off the front plastic panel



3) Then remove the four 5mm allen bolts



4) 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.







5) 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. Make sure to put them back in the same orientation when reassembling.

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







6) 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, press it so that it doesn't make those stakes pass over the knurls of the shaft.





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, remove 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, 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 parts you removed, and most of the tools. It's a pretty easy installation. Remember not to over torque those shaft nuts.



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Remember when you're re-installing the seat back into the car, get all 4 bolts started before you tighten anything.