

How to Install Front Brake Pads & Rotors Skimming GX470

This tutorial is Do it yourself (DIY) at your home garage .the overhaul procedure of the RH side is the same as the left side

Tools Needed:

- Sockets & socket wrenches
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- Torque wrench

Parts Needed:

- Front brake pads (Toyota Part Number # 04465-35290
- Anti Squeal Shims (Toyota Part Number # 04945-35120

Other Supplies: Gloves / Shop Towel / Lithium NLG Grease

Important Note: Safety at all times required when Vehicle Jacked up

Prior to jacking of the car, ensure the s/w off the hydraulic mode on the control panel.

1. Remove the lug nuts of the wheel and remove the wheel.



2. Remove the two pin hole clips then remove the 2 anti rattle w/hole pins from the disc brake cylinder assy.



3. Remove the anti rattle spring from the disc brake pad.



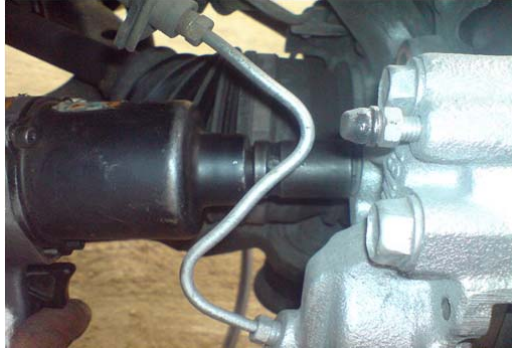
4. Remove the 2 old brake pads with anti squeal shims from the disc brake cylinder assy.



5. You do not need to remove the brake tube connected to the disc brake assy. But only remove the support clamp which is bolted to the suspension support.



6. Remove the cylinder boot from the calliper. The last bolt is the one from the inner end which you need a torque spanner which mine was quite difficult to remove and seems was not serviced for quite sometime.



7. Ensure you use high pressure air to remove any dust and lubricate with lithium grease within the piston seal .
8. My brake pads were really bad, From here on I had to skim the rotors as the rotors were also bad. A few taps with a mallet on the rotor to loosen the stiffness and the rotors comes out



Here ensure to check the disc thickness by just running soft fingers over the face of the rotor. Here if you feel any fine lines, then you have to skim the rotors. Here I had to do it. The Toyota method is Inspection ensuring standard thickness 28.00mm and Minimum 26.00mm. so you need to skim at least 0.05mm outer edge from each side of the rotor. And that is what I did.
Note: Before you skim the rotors ensure to mark the disc of each wheel as a matter of precaution..

9. Now install the Disc, just before you do it, ensure to apply lithium grease to the cylinder boots. This is how it looks once the rotors are skimmed. And I sprayed the piston some metallic spray to give a good new look finish.



10. First retract the piston assy up into its place. A little additional pressure is required while pushing the piston in. Install the pads along with the shims. The shims comes with small pack of graphite grease. Rub a small amount on the shims so that they don't make any noise when pressure is applied while braking.



11. Install the cylinder boot and the disc brake assy. Install the front disc brake pads along with shims & the anti-rattle w/home pin. Same image as the "Bullet point 3"
12. Install the 2 anti rattle spring. Ensure the pin hole clip with the handle facing to the vehicle entry.
13. I used a spray LPS brake cleaner fluid on the new skimmed rotors ensuring dust free.



14. Final before you install the wheel I did some preventive maintenance on some of the parts by greasing using the precision grease spray, and then install the wheel and lug nuts .



15. Check the Brake fluid level (if required top it up with Toyota Brake Fluid)
16. Start the vehicle and pump the foot brake pedal a few times till the lever comes up.
17. Get the ride s/w to on position.

And I finally finished with a Hi-speed wheel balancer done and alignment



I apologise for bad editing if any.