

Toyota Supra OEM Conversion

To remove the struts, disconnect the sway bar end links, headlight sensor, and disconnect wires off the strut. Remove the lower skid plate and loosen the lower control arm. Make sure to hold onto the strut while removing the top 4 bolts and rotate the strut away from the body.

Remove the lower strut bolt. Use the proper spindle spreading tool to expand the spindle to remove the strut.

Using the proper spring compressor, remove the strut mount, spring, bump stop and boot. Be warned, there is quite a bit of preload on the spring, so “shooting” the strut is not advised. After removing the spring, hit the spring retainer with a hammer to knock off the spring perch and bump stop striker.



Slide the bag clamp over the strut with the flush part facing upwards and flat handle down. If the clamp won't slide over the strut, tighten screw to enlarge clamp.



Put finger in top of bag, invert and put your finger inside the bump stop to hook it.





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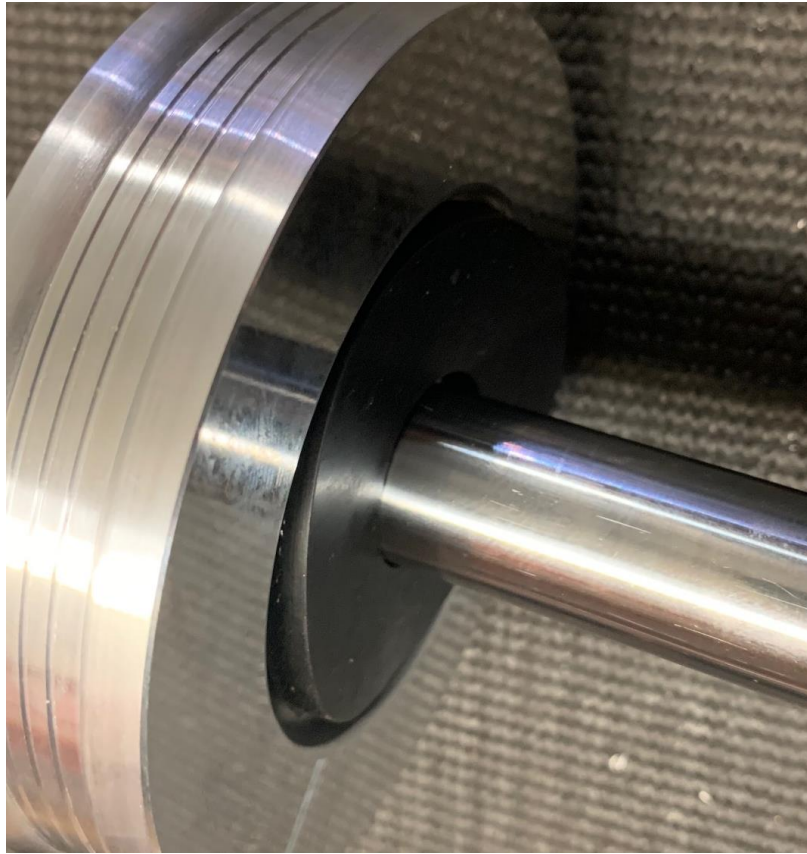


While sliding the bag over the shock touch your finger onto the shaft to guide the bump stop over the shaft





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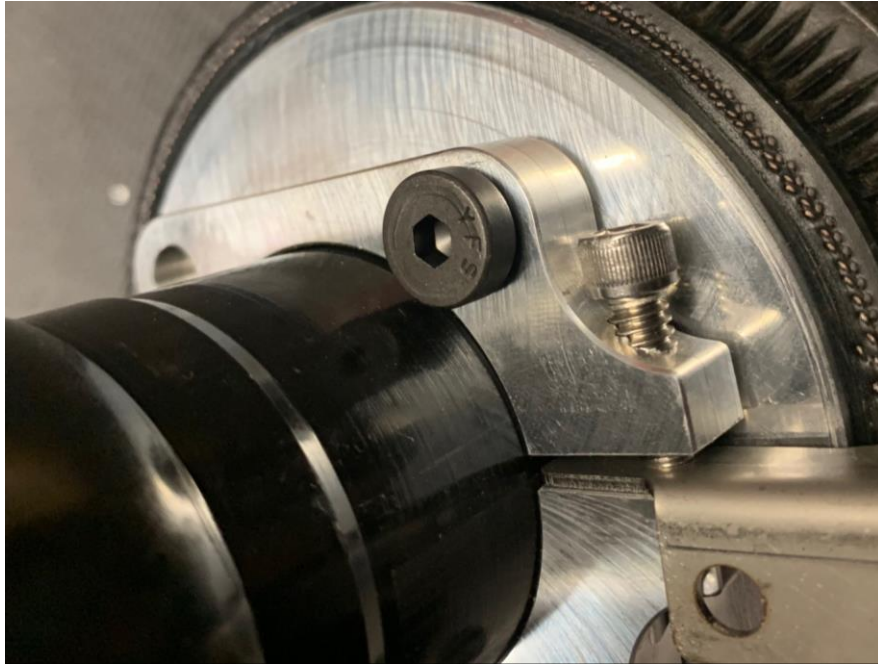


Slide the bag all the way down and push the lower cap over the body till it no longer goes down. Rotate the bag to align the fitting with the pin on the lower portion of the strut





Invert the strut and slide the clamp up against the bag and put one bolt into the clamp to the bag.



Loosen screw to remove the spreading tool



Remove the screw and put through the hole on the opposite side.



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Tighten clamp bolt.



Install the other 3 screws.



Install the shaft adapter



Use blue Loctite on the threads.



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Slide strut mount onto adapter.



Install shaft nut.



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Tighten shaft nut with an impact.



When installing on vehicle, align the cut out with the boss on the body. Make sure to put a jack under the lower control arm to push the strut mount up against the body while putting the 4 bolts into the top.



Rear.

Remove skid plates, disconnect and remove rear shocks.

Remove rear upper shock mount, bump stop, and boot.



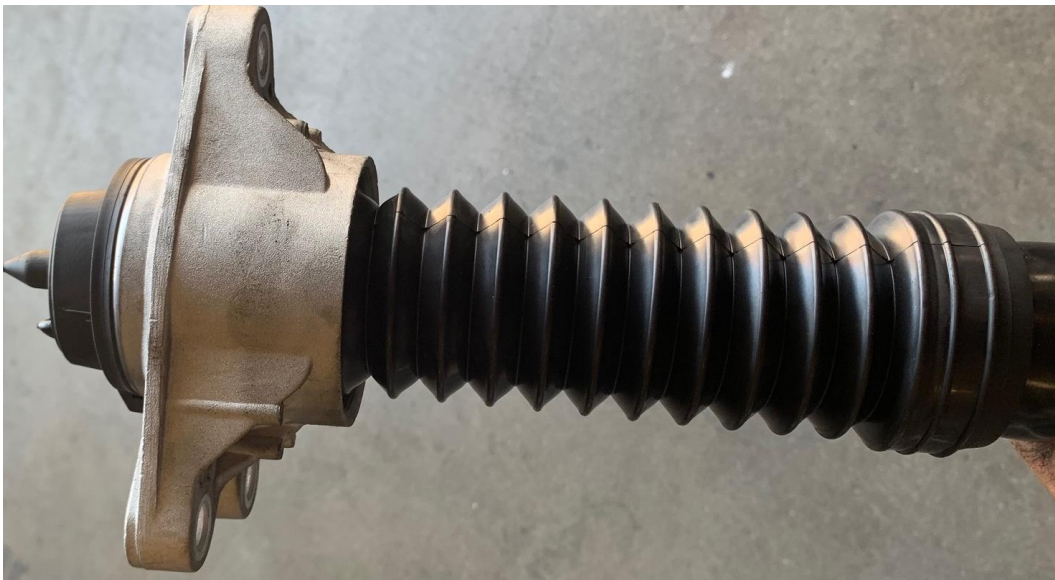
Slide the provided bump stop over the shaft, it's a tight fit



Install new boot over shock shaft, bump stop should keep the boot up.



Pull the lower portion of the boot over the top of the shock body. It's a tight fit.



Reinstall oem strut mount.

To remove the rear springs, disconnect head light sensor, disconnect wires off the body to crossmember.

Put jack under lower control arm. Remove one side two crossmember bolts and brackets.

Lower jack to drop down the one side to remove the spring.

After removing spring, install bag/bracket combo. Jack up the crossmember and reinstall the crossmember bolts and bracket. Repeat on other side.

Reinstall rear dampers.



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If you're doing auto leveling system. Here are some examples on how sensors can be installed.





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