



2015–16 Genesis Sedan 5.0 Subframe Collar Installation Guide.

TOOLS NEEDED:

- 19mm ½ socket
- ½ short extension
- ½ long extension
- Impact gun
- ½ Ratchet
- 14mm ½ socket
- Torque wrench
- Knife or Blade
- Jack stands + Jack or Hoist
- 2x4 block of wood between 2 and 4 feet long depending on how you lift your vehicle.
- 10mm deep socket
- ¼" small extension
- 1/4 " ratchet
- Cordless drill (Only if you have one, it will speed up the process of removing the trays under the vehicle.



FRONT:

1. Get the entire vehicle onto either jack stands, or put vehicle on a hoist.
2. Remove the transmission pan underbelly tray (This will be the big black cover, that's held on by 10mm nuts and bolts covering your transmission) The fastest way to do this is to loosen all the nuts and bolts using your ¼" ratchet, and then putting your short extension into a cordless drill with the 10mm socket attached and zipping them out one by one)
3. If you look at the sub frame towards the rear of the vehicle, you will see a 19mm bolt on both sides of the sub frame. You will take the impact gun and 19mm socket and loosen both of these bolts by about a ¼ turn. IF you loosen farther, then tighten them by hand so they are ¼ turn from full tight.
4. Using the impact gun, remove one of the bolts.
5. There will be a plastic sleeve on the bolt, You will take your knife or blade and cut this plastic sleeve off.
6. Take the collar labelled front .760" and slide it onto the bolt.
7. Install the bolt using the ½ ratchet and 19mm socket until snug. **(DO NOT USE THE IMPACT)**
8. Repeat this on the other side of the car.
9. Take your torque wrench, put on your short ½ extension, and torque both the bolts to 130ft/lbs
10. Reinstall the belly tray.



REAR:

This process is the same for both sides of the vehicle.

1. Remove the back portion of the belly tray along side the vehicle. Once again all the bolts and nuts will be 10mm. Use your $\frac{1}{4}$ ratchet and socket and if applicable cordless drill for speed.
2. You will notice at the front of the sub frame there is a black bracket. Held on by a 19mm bolt, and a 14mm nut and 14mm bolt. You will use your impact gun, long $\frac{1}{2}$ " extension and 14mm socket to remove the nut + bolt. Once complete, put them in a safe place and remove the 19mm bolt with your impact gun.
3. Slide one of the rear collars into the hole, and then reinstall the plate with the 19mm bolt. Using the palm of your hands and a $\frac{1}{2}$ " ratchet, you will put gentle pressure upwards as you tighten the bolt. (BE CAREFUL NOT TO CROSS THREAD!!) once the bolt is moving smoothly and the plate gets closer to the body (not fully installed yet) reinstall the 14mm nut + Bolt and tighten fully by hand. (DO NOT USE AN IMPACT GUN! YOU WILL BREAK THEM!!) Now you will finish tightening the 19mm bolt. *** Repeat this process on the other side of the vehicle**
4. Torque both bolts to 130FT/LBS the 14mm bolt + Nut just torque to hand tight, but don't kill it.
5. Now that these 2 collars are installed, reinstall the underbelly tray.
6. Now for the farthest rear collars.
7. You will take the 19mm socket on the impact gun, and remove the nut completely. Once the nut comes off, there will be a metal plate that will fall down. Make sure you remember the orientation of this plate as you will be reinstalling it the same way. Using your 2x4 and jack, you will CAREFULLY jack up the sub frame so that it sits against the body of the vehicle. Once achieved, put your collar up to the hole, and install the nut underneath the collar and use your impact gun to fully seat the collar. Once seated, remove the nut once again. Lower the jack and put the 2x4 out of the way. Now put the metal plate back on and the nut underneath and using the impact gun, snug the nut into place and then torque with the torque wrench to 130FT/LBS
8. Repeat on the other side. 😊

Now you are finished, clean and put away all of your tools. Lower your vehicle and go hit some twisty roads and enjoy the brand new performance feel of your Genesis Sedan 5.0.