



2016-2018 Hyundai Tucson
1.6L Gamma, 2.0L, 2.4L Sub frame Collar
Installation Instructions

Tools Required:

- Hydraulic Jack
- 2 to 4 Jack stands or an automotive lift
- ½" Ratchet
- ½" Drive full length extension
- ½" Drive 19mm deep socket
- ½" Drive 14mm deep socket
- ¼" Flat bottom punch
- Hammer
- 1 foot length of 2x4
- Impact gun if available
- Torque wrench

This kit includes 8 Sub frame Collars and 2 Modified OEM Bolts

Torque Spec : 130ft/Lbs

FRONT

Step 1: Jack up the front of the vehicle in question safely and securely.

Step 2: Locate the 2 x 19mm Sub frame bolts, 2x 19mm Sub Frame Nuts and the 2x 14mm nuts and 2x14mm bolts. The 2 front Nuts are located above the lower control arm through the hole. The 2 rearward bolts are located at the back of the sub frame, you will see a large bracket held on by the 14mm nut and bolt and in the center you will find the 19mm bolt.

Step 3: Using your Impact gun or ratchet with extensions loosen the 2x19mm nuts and the 2x19mm bolts.. Just 1-2 full turns, nothing more. Once you have done this. Remove the 14mm nuts and bolts from the rearward brackets.

Step 4: Completely remove the Driver side front nut. Take your bag that's marked **(Front)** and place one of the collars in the hole. Then take your nut and thread it onto the protruding stud. **Thread it by hand** until you have enough threads that you feel comfortable putting the ratchet on it. Use the Ratchet, Extension, and 19mm socket and drive the collar into the hole. Then back off the nut 1 turn.

Step 5: Repeat Step 4 on the Passenger side

Step 6: Remove the passenger side rearward Bolt from the sub frame.

Step 7: Grab the bag labelled **(Front Rear)** and the 2 provided bolts and remove a collar from the bag and put it in the hole. The collar goes above the plate! Now take your 19mm bolt that came with your kit and push it into the collar and all the way up and thread it in by hand a few turns. Make sure the bracket is properly lined up before moving forward. If the bolt gets stuck, use a mallet or a hammer to knock it up to the threads. Now grab your 19mm Deep socket, 19mm Ratchet and with upward pressure slowly thread the bolt until the collar and bolt are fully seated. Back off 1 full turn.

Step 8: Repeat Step 7 on the Driver Side of the vehicle.

Step 9 : Reinstall the 14mm nut and bolt on the brackets **BY HAND ONLY!** And tighten.

Step 10: Grab your Torque wrench and set it to **130ft/lbs** and torque the 2x19mm nuts and the 2x19mm bolts to spec.

The Front is now complete!

REAR

Step 1: Locate the 2x19mm Bolts and 2x19mm Nuts on the rear sub frame.

Step 2: Take your 19mm socket and loosen both the nuts and bolts 2 full rotations.

Step 3: Remove the Passenger side front bolt.

Step 4: Grab your bag labeled **(Rear Front)**

Step 5: Take one of the collars out of the bag and put it in the hole. You're going to see 2 ears on the metal plate that should be flush with the hole. If your collars are tight and hard to push into the hole. Take a flat chisel and a hammer and knock the ears into the slot. Then insert the collar. Once the collar is in the hole. Take the bolt that you removed earlier and push it into the hole. Then take your ½" ratchet, ½" drive extension, and ½" Deep Socket 19mm and with upward pressure on the ratchet, carefully thread the bolt back into the hole until it is seated. Once the bolt is seated back off 2 full rotations.

Step 6: Repeat Step 5, but on the Driver Side of the vehicle.

Step 7: Remove one of the rear nuts completely.

Step 8: Grab your Bag labelled **(Rear)**

Step 9: Take your jack and your 2x4 and very carefully push up the sub frame close to the hole. Once you see the sub frame touch the body you're good to continue the installation.

Step 10: Put one of the collars up to the hole and take the nut that you removed and thread it on underneath the collar. This is where it gets fun if you don't have an impact gun. You will now have to drive that collar completely into the hole. Once complete. Remove the jack and the 2x4 and transfer it to the other side of the car.

Step 11: Repeat Step 10 but on the other side of the vehicle.

Step 12: Grab your torque wrench and torque the 2x19mm bolts and 2x19mm nuts to spec.

You are now finished with the rear!

The final steps are cleaning up, putting your tools away and washing your hands! Don't forget to lower the vehicle before going on your test drive and removing the jack stands from underneath it!

Enjoy! 😊