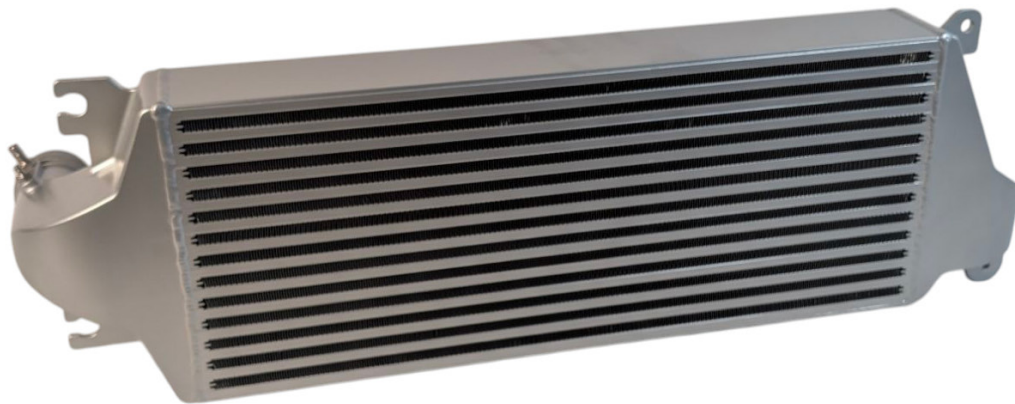




# Toyota Tacoma / 4Runner / Land Crusier Intercooler INSTALLATION INSTRUCTIONS



## Tools needed:

- Ratchet with extensions
- Socket Sizes 8mm to 17mm
- Wrenches 8mm to 15mm
- Pliers
- Phillips head screwdriver
- Flat head screwdriver

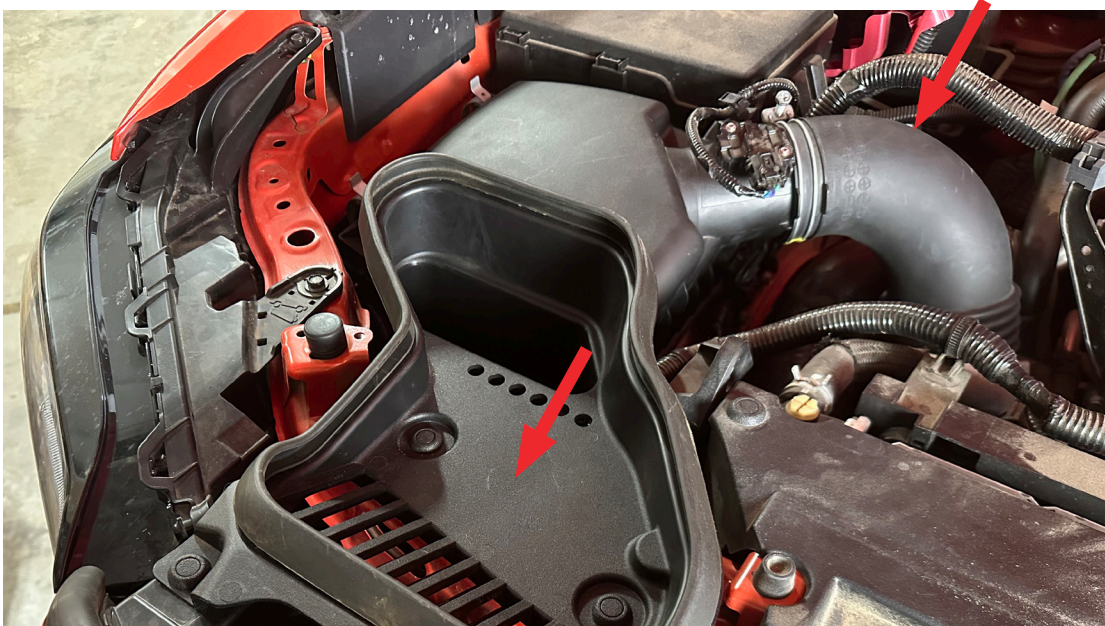
## Vehicle Fitment:

- 2024+ Tacoma
- 2025+ 4Runner
- 2024+ Land Cruiser

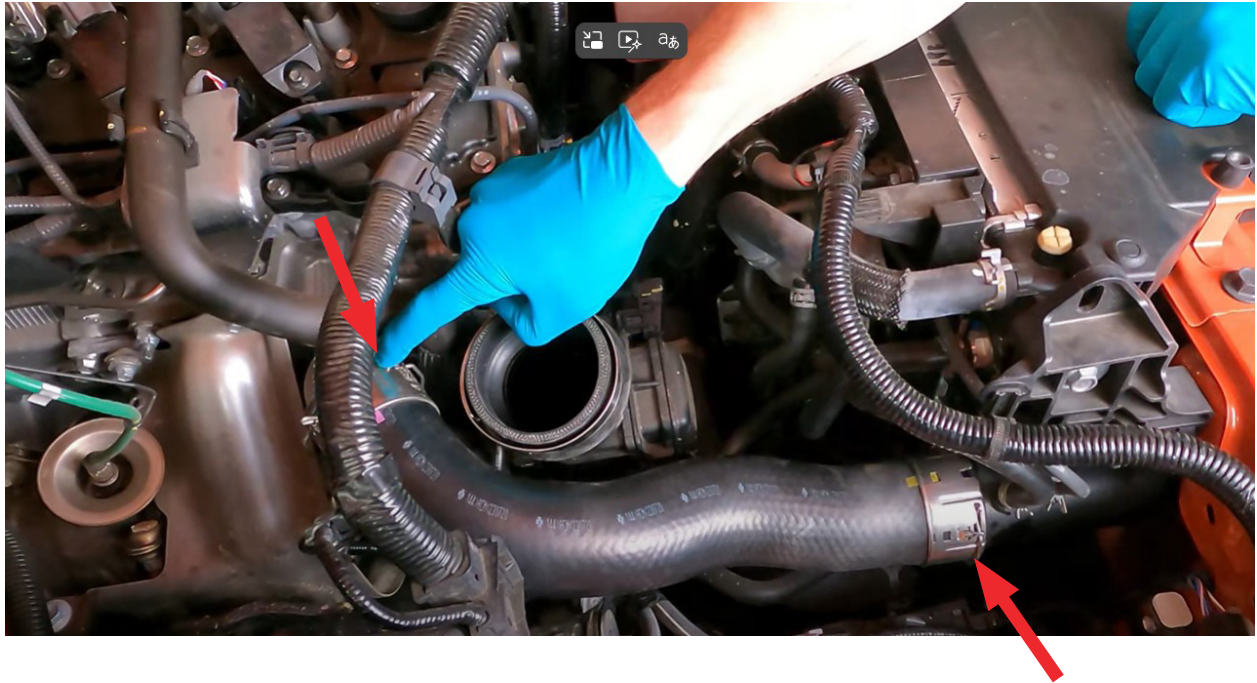




1. Remove the intake tube and front air scoop. Depending on which intake you have, tools needed will vary.

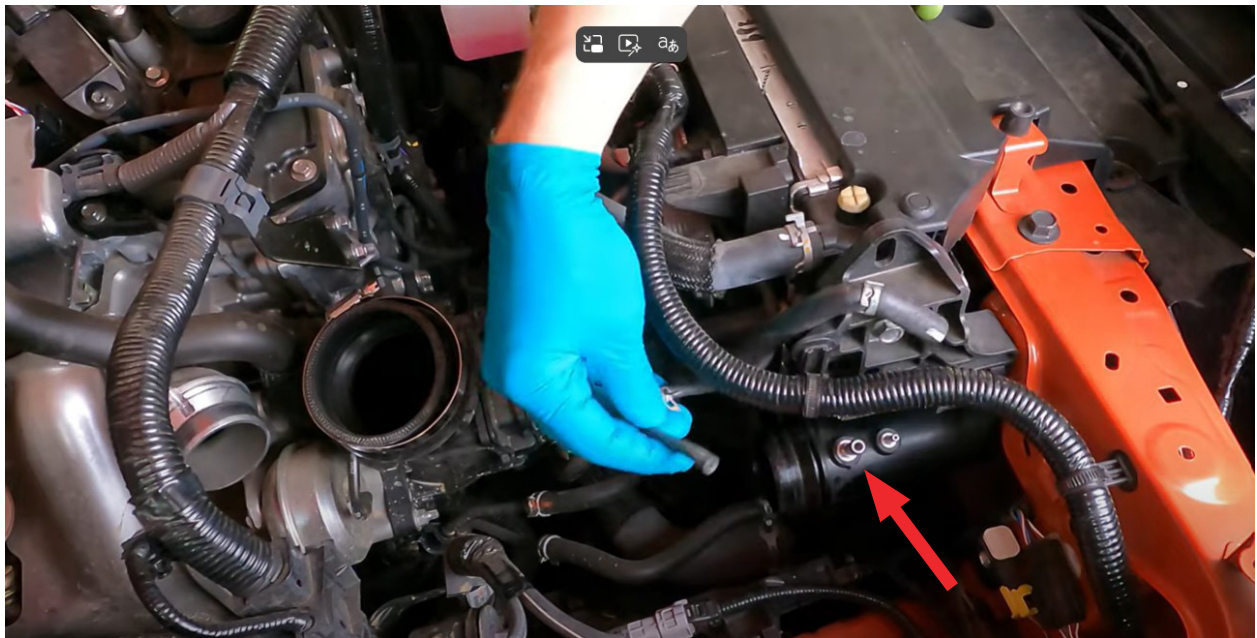
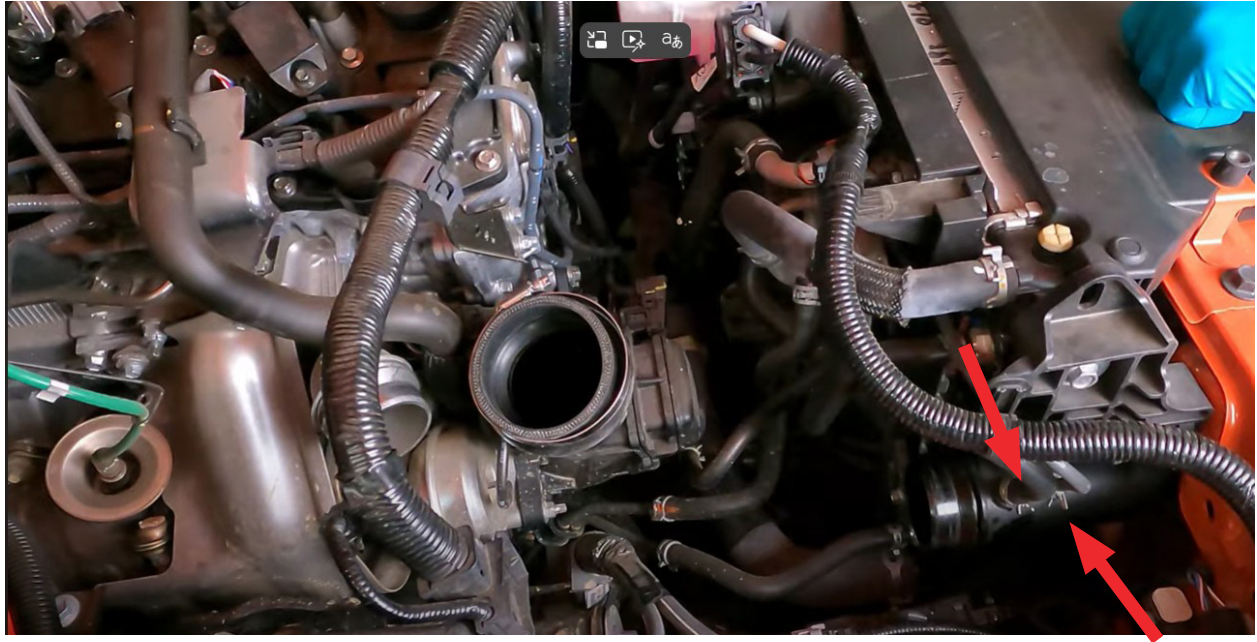


2. With the intake tube removed, locate the OEM Hot Side charge tube. Move the retaining ring clip ends out of their grooves to release the ends from the turbo charger and intercooler. Remove the tube by pulling straight back and then remove the tube from the engine bay.



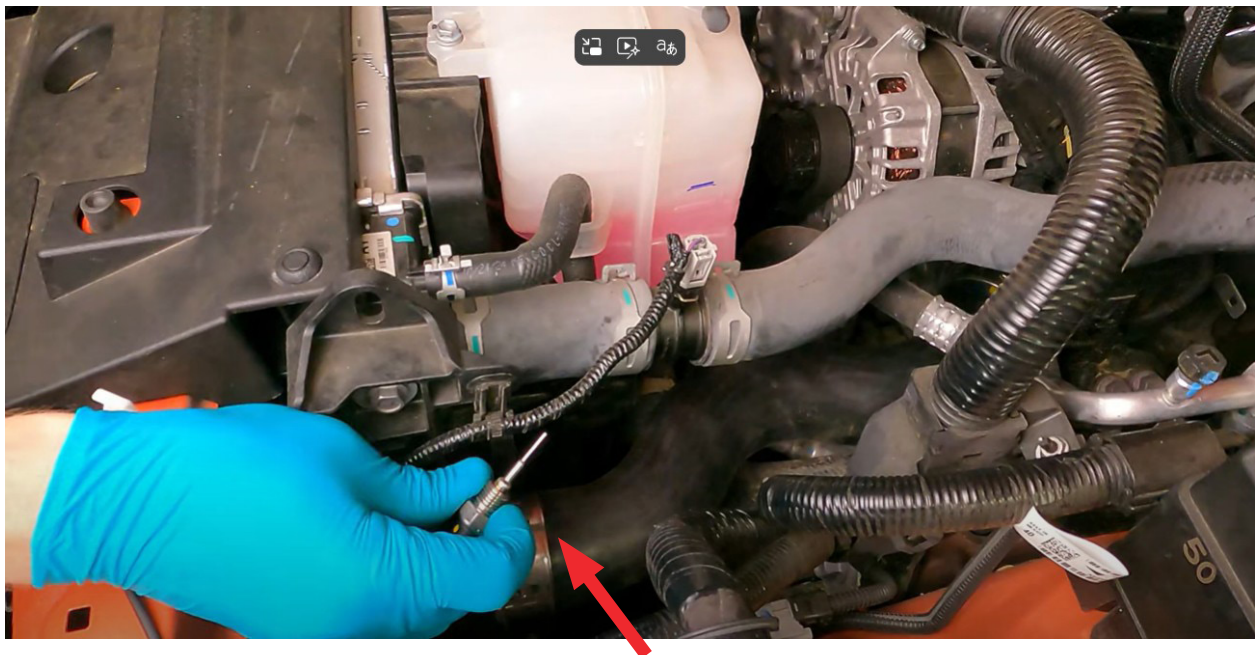
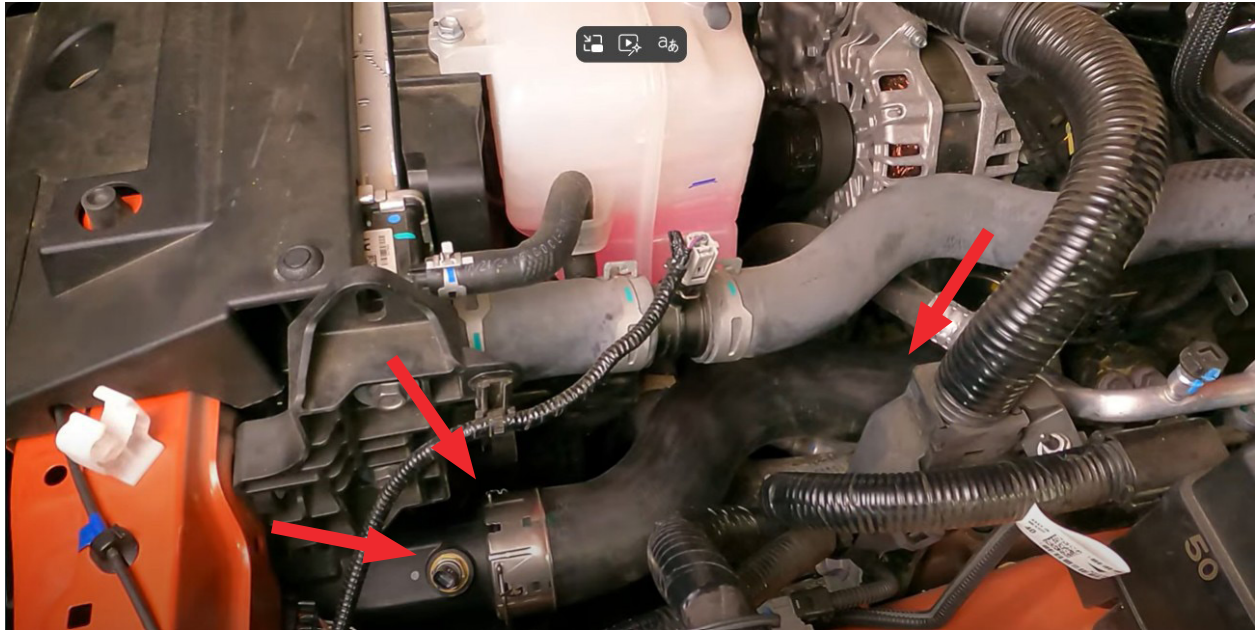


3. Once the large hot side tube is removed, locate the (2) vacuum hoses on the intercooler shown below. Remove the clamps and hoses from the intercooler. They will be reconnected later.





4. On the driver side, remove the cold side tube in the same way for the ends of the tube. Push the spring clip ends outwards, then pull the tube straight off the intercooler and throttle body. Then unplug the intercooler temperature sensor and remove the sensor with a 17mm socket. Be careful not to lose the copper gasket.



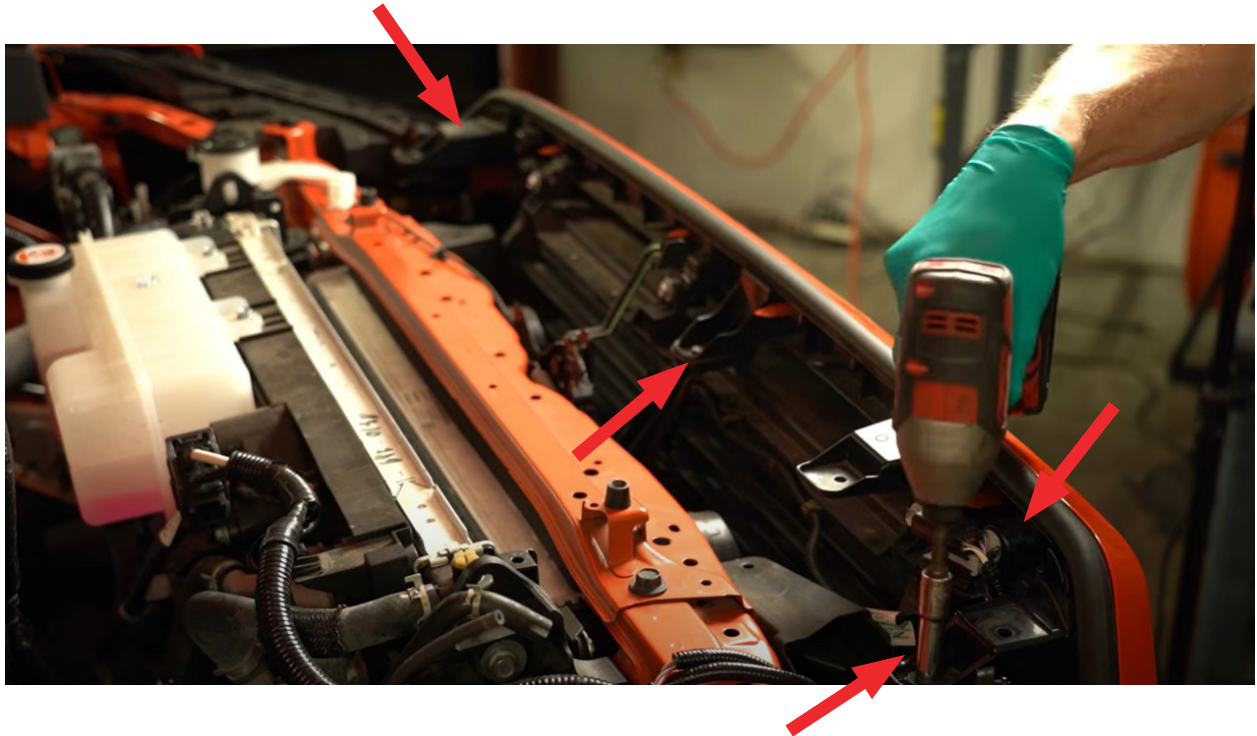


5. Next, it is time to remove the front bumper. Start by removing the radiator cover panel. It is held on by small push pins.



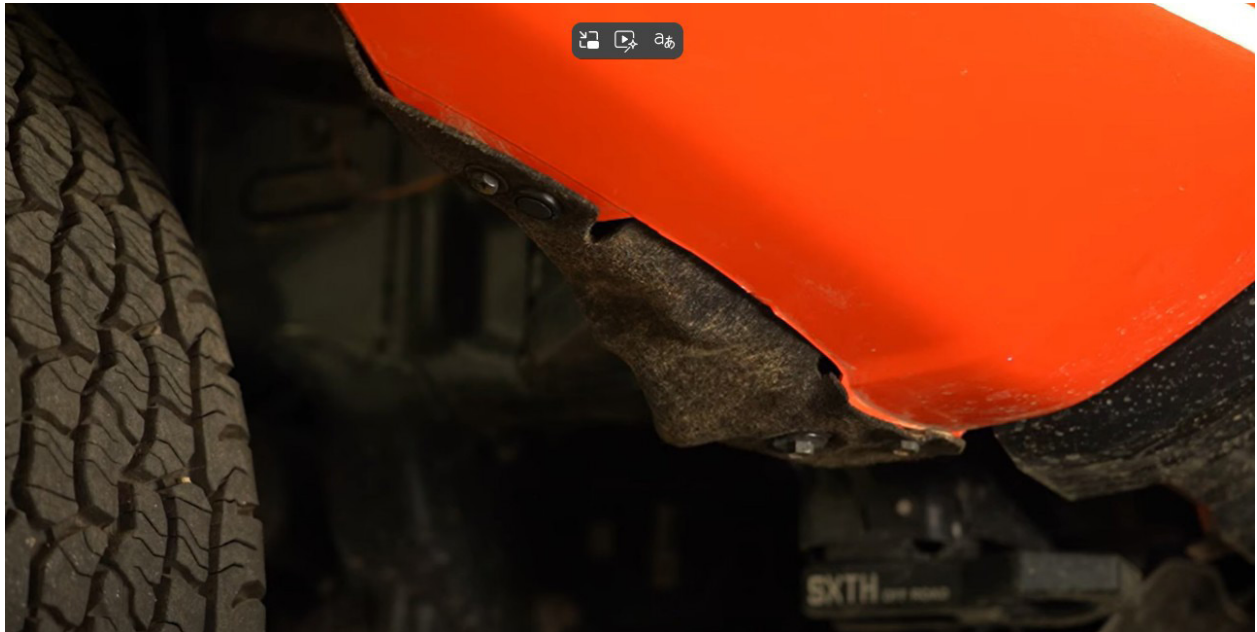


6. With the radiator cover panel removed, remove the (3) 10mm bolts for the top of the bumper and unplug the bumper electronics' harneesses.





7. Under each driver and passenger side of the bumper, you'll see these (4) fasteners. Remove the (3) 10mm bolts and the single push pin clip. Do it for both sides of the bumper. Then move to the center bottom of the bumper and remove the (2) 10mm bolts shown in the 2nd picture below.



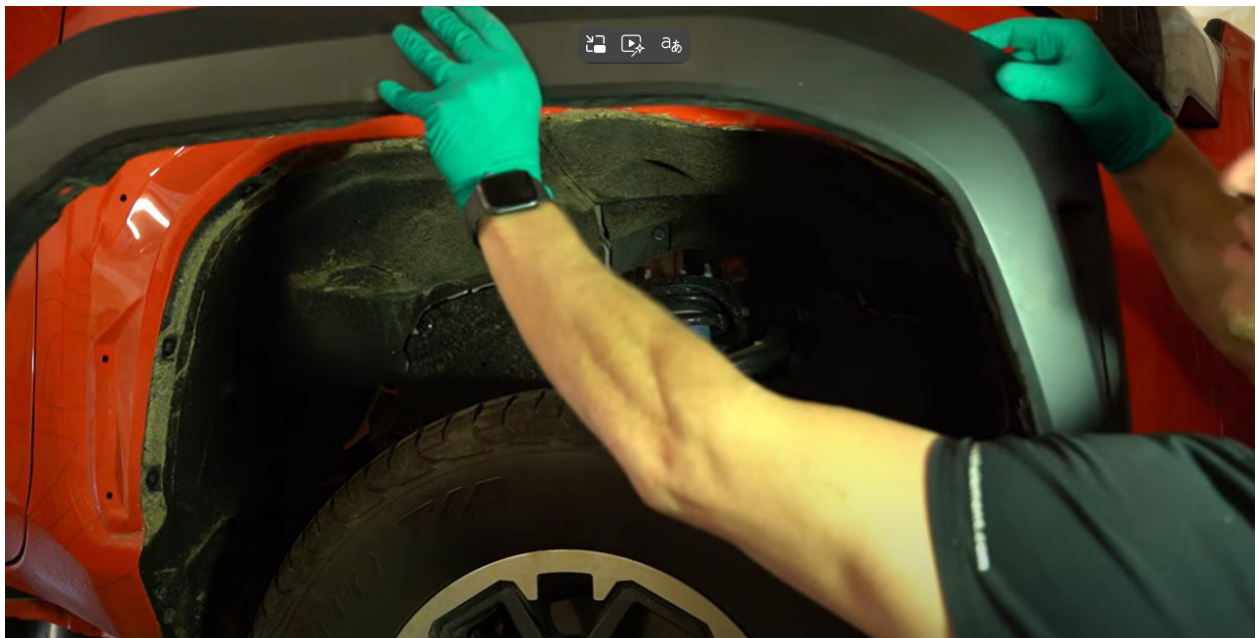
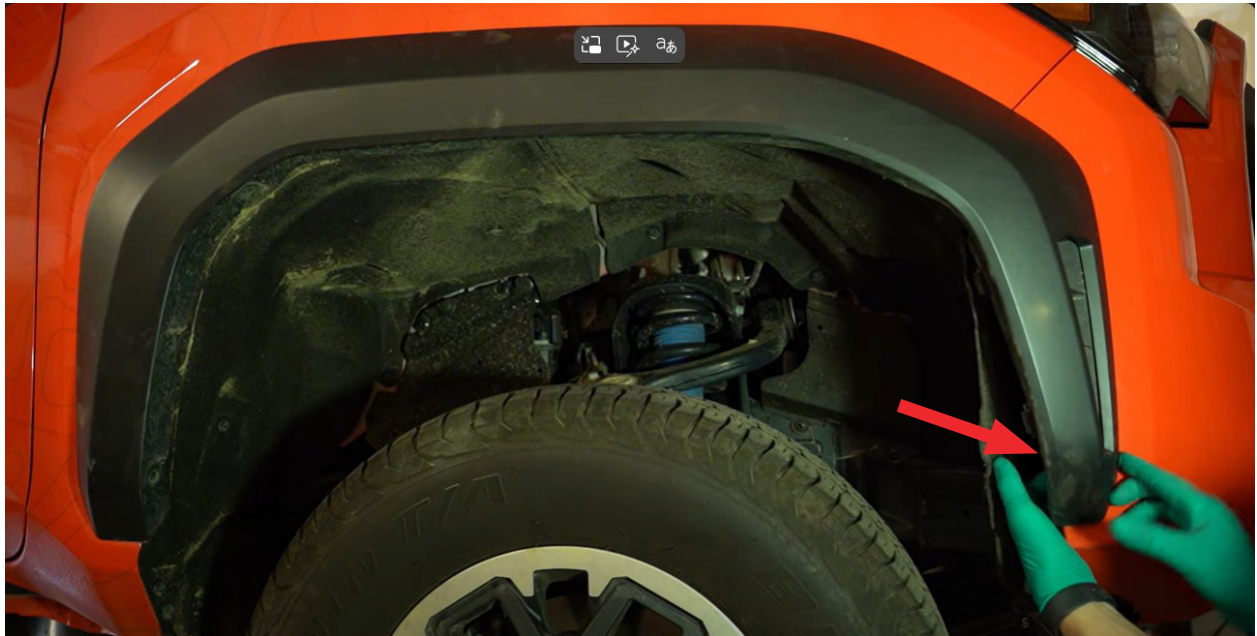




8. Next, each fender flare needs to be removed. There is an array of 10mm screws on the perimeter under the fender. Remove all of these plus the 2 pins shown below with a flat head screwdriver.

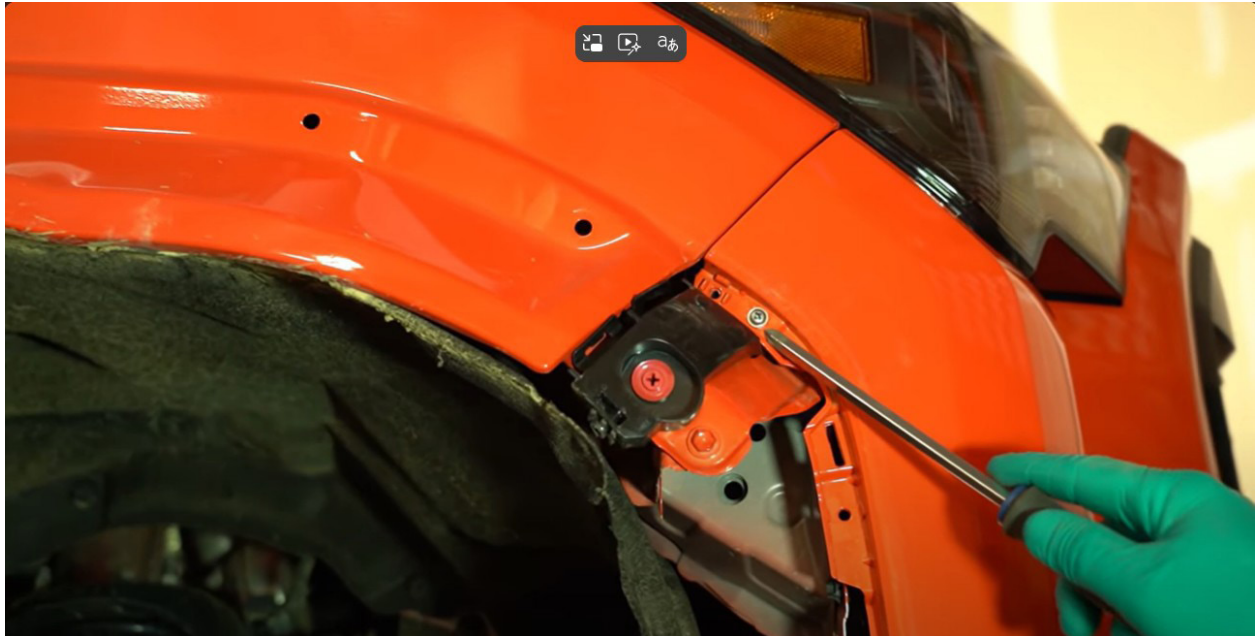


9. Once all the fender fasteners are removed, the fender flare will easily pop off of the fender. The only tough clip is at the front and your finger or small flat head tool will need to be used to pop it out of the bumper. Remove the passenger and driver fender flares.





10. Behind the fender flares, you will see this phillips head screw. Remove it on each side. Then start to remove the front bumper by grabbing it as shown on the side, and pull parallel to the ground, towards the front of the truck.

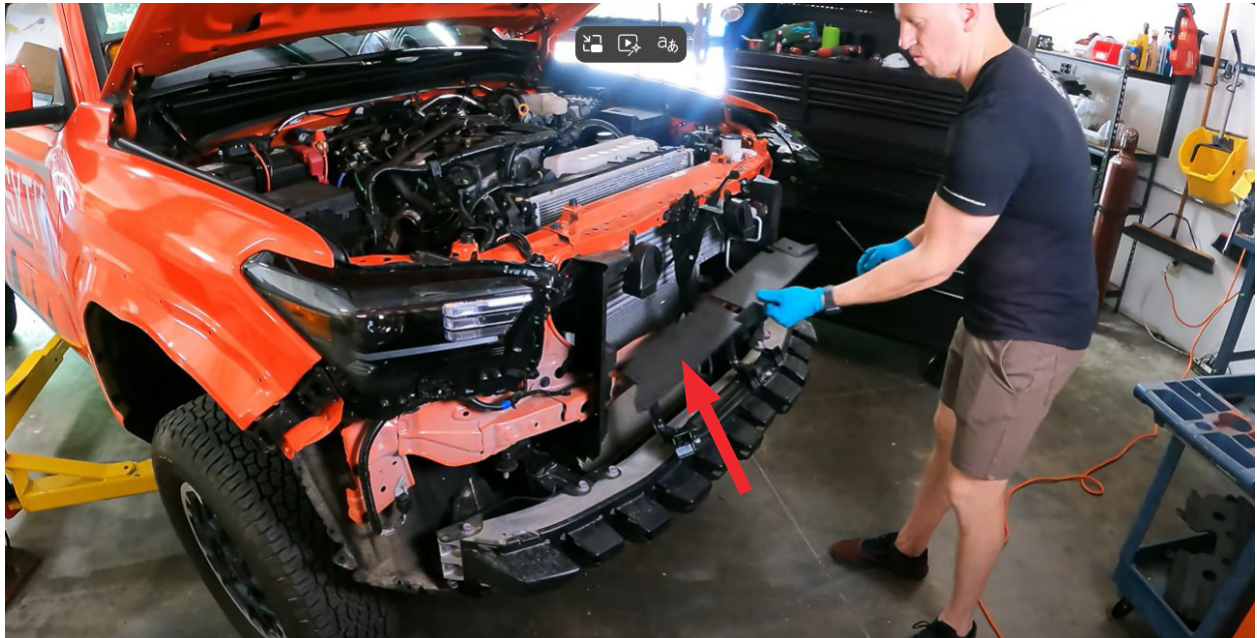


11. With the sides popped off, lift the top bumper tabs up and then pull the pumper away from the truck.

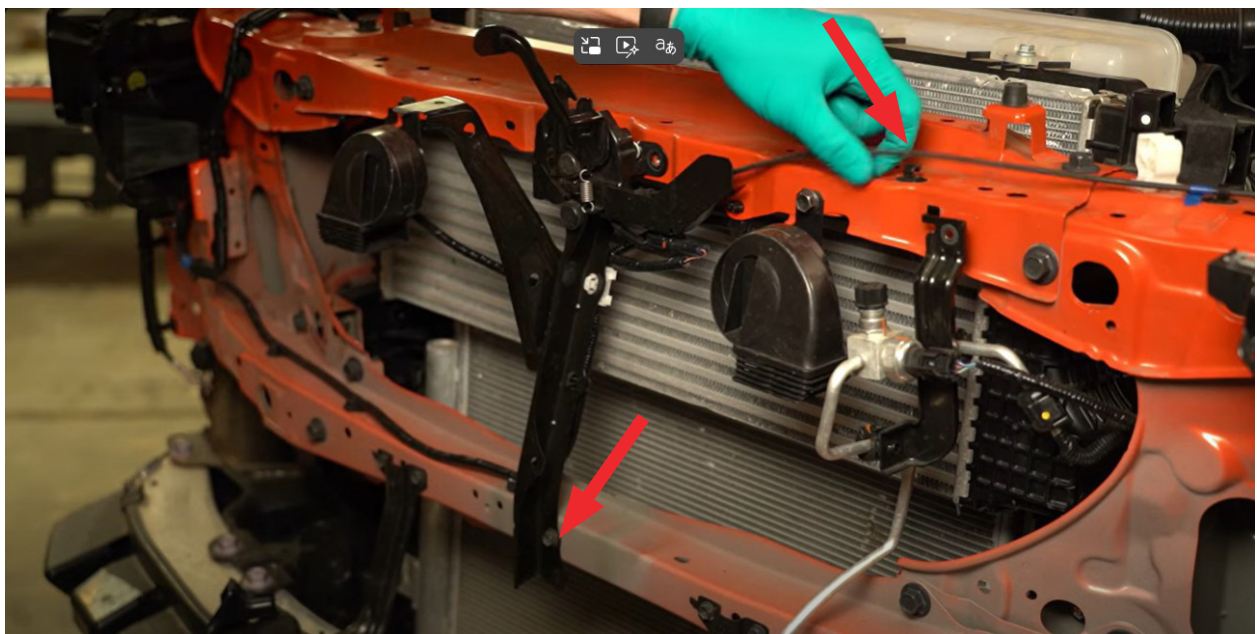
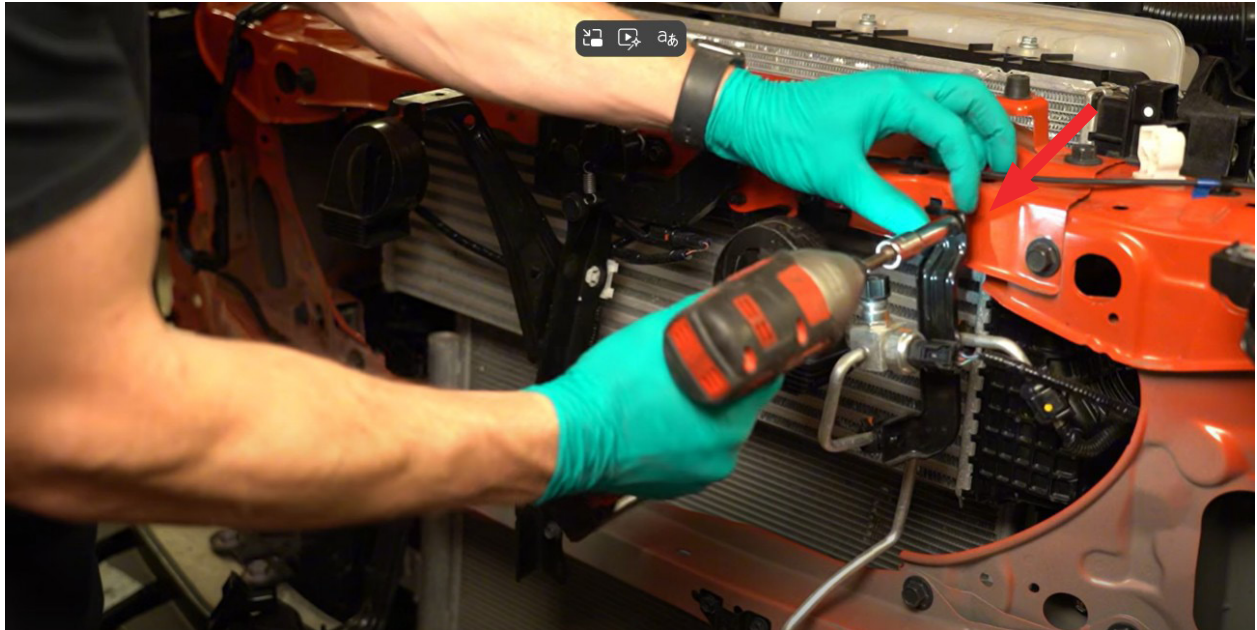




12. Remove the front radiator shrouds. There are (3) of them held on with pop clips. Start with the middle one, then the driver and passenger sides.

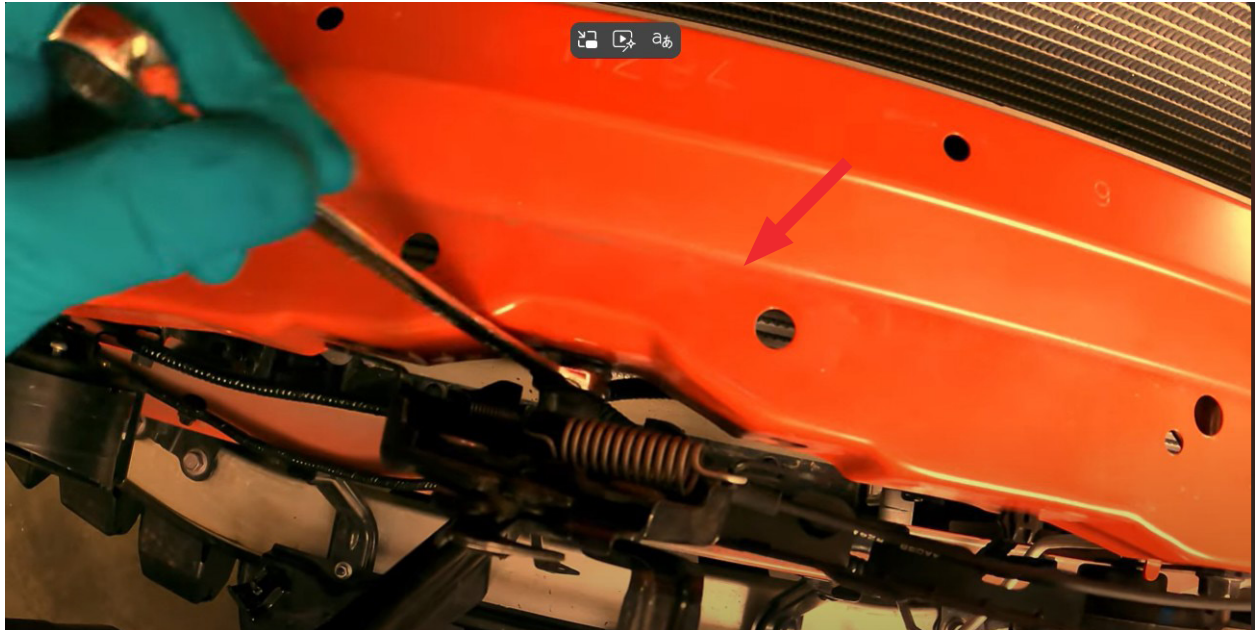


13. Remove the hood latch release bracketry and the A/C junction bracket next. All of them are 10mm bolts. Then unclip the hood release cable from the clip on the top frame rail.

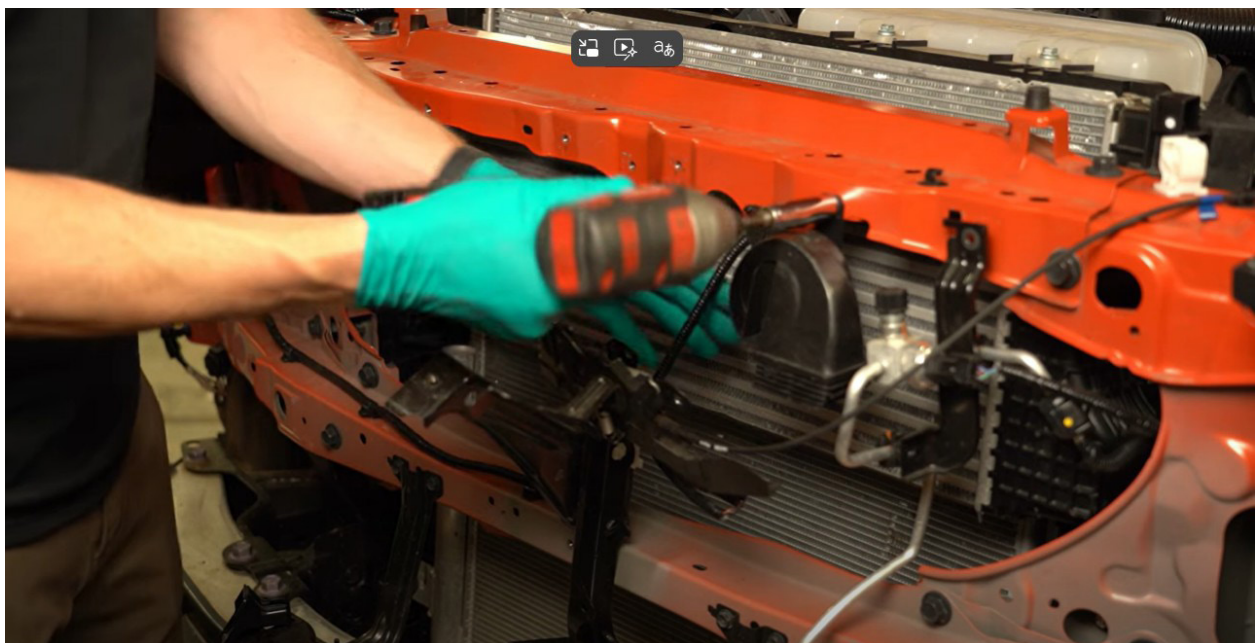
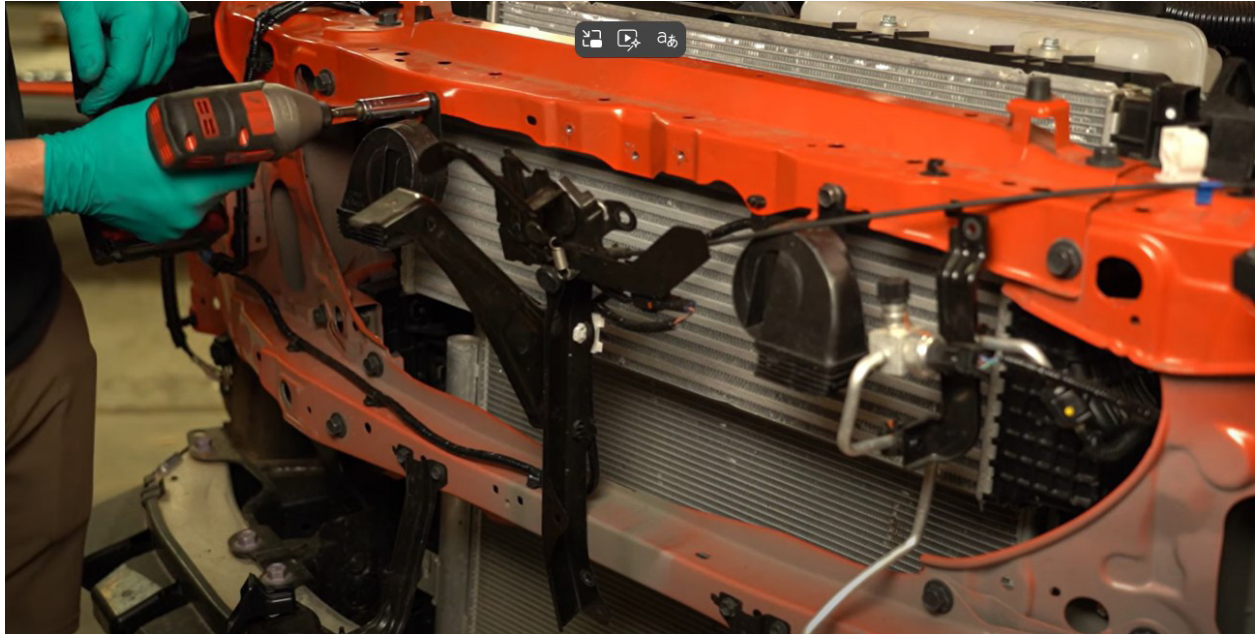




14. There is one 10mm bolt behind the release bracketry that can only be reached with a wrench. Once removed, gently lay the bracketry down and out of the way.

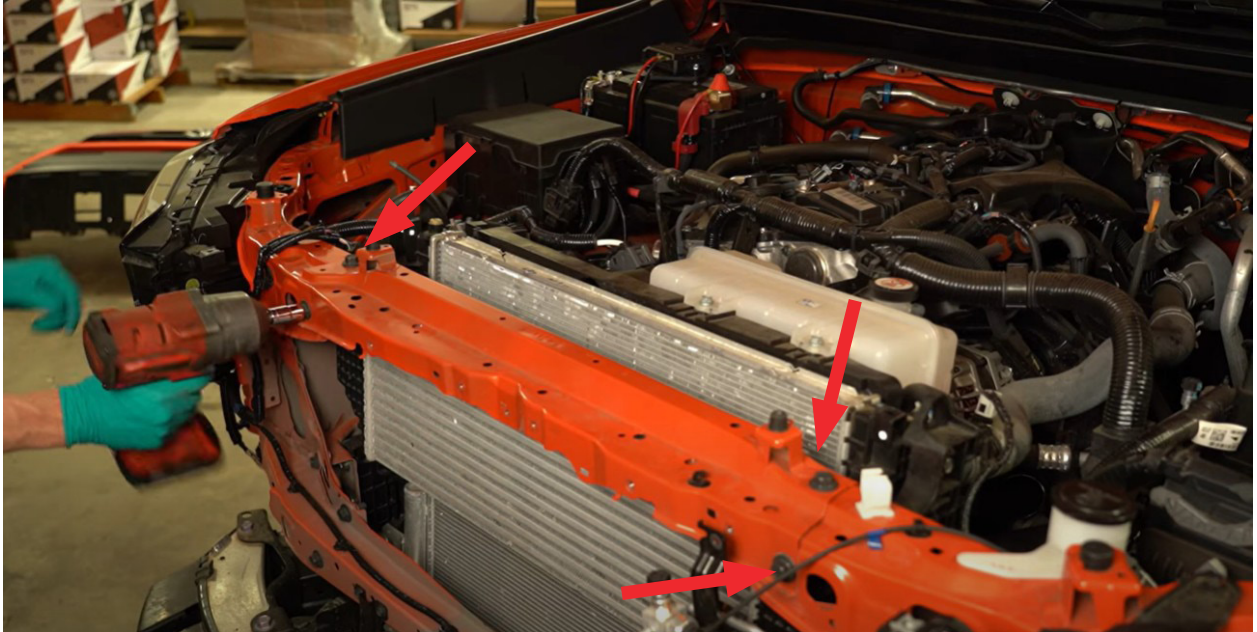


15. Remove the horns and set them down out of the way, no need to un-plug them. These two bolts are 12mm.

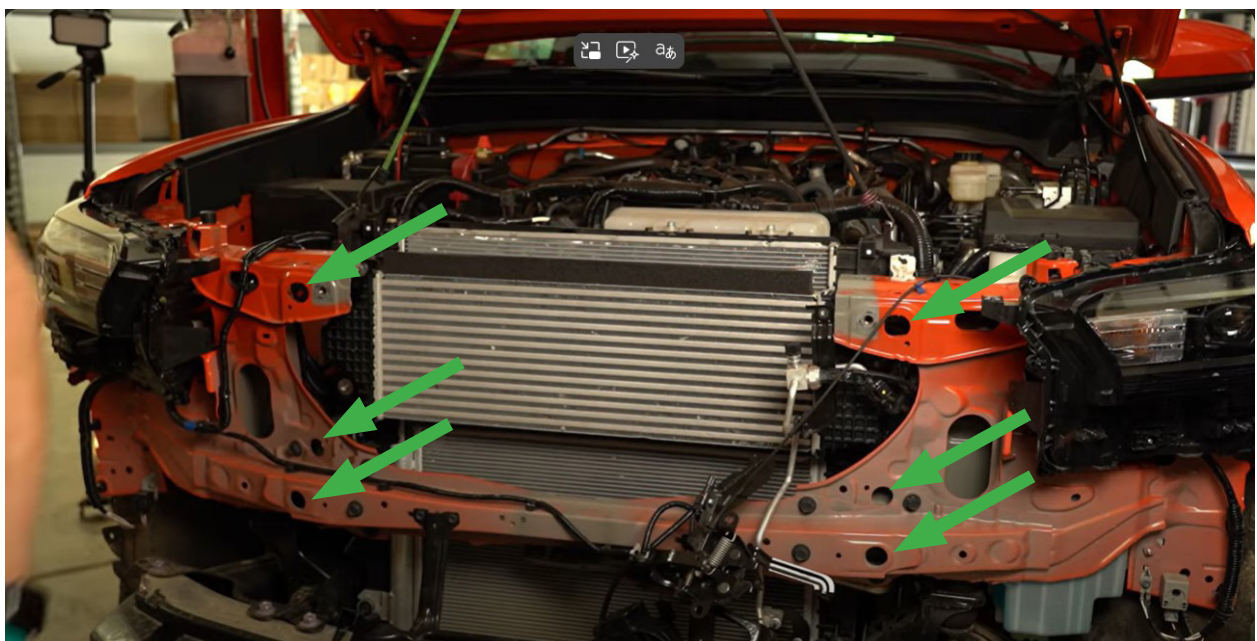
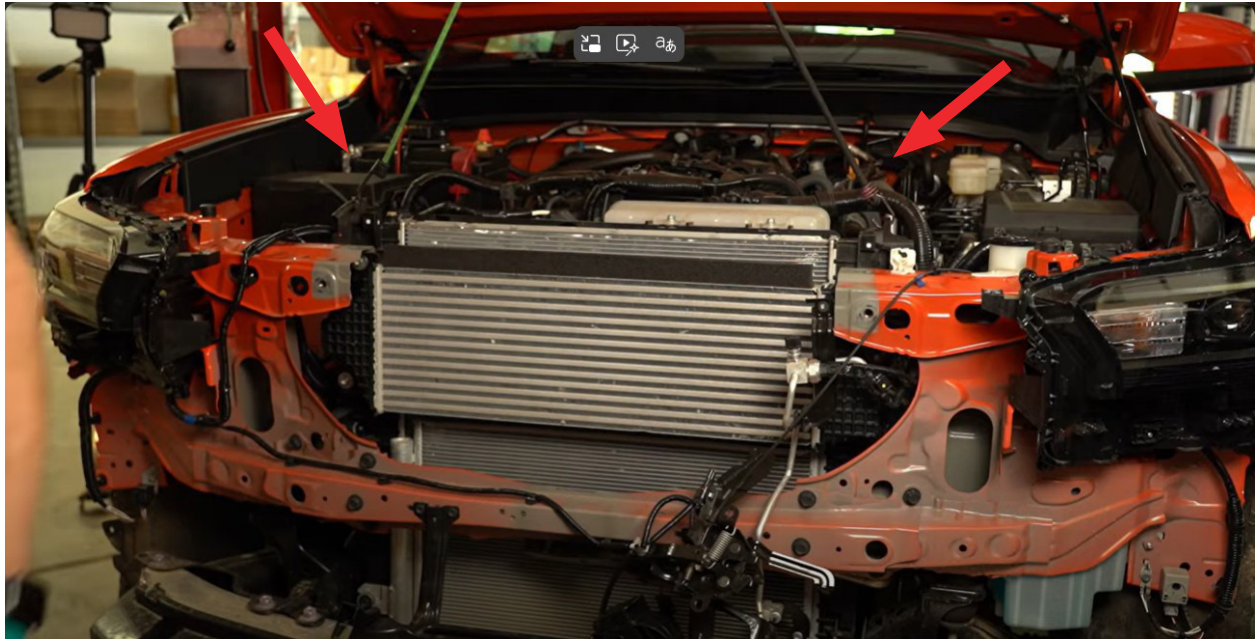




16. Remove the upper frame rail. There are (4) 14mm bolts. Be aware, these are very tight.

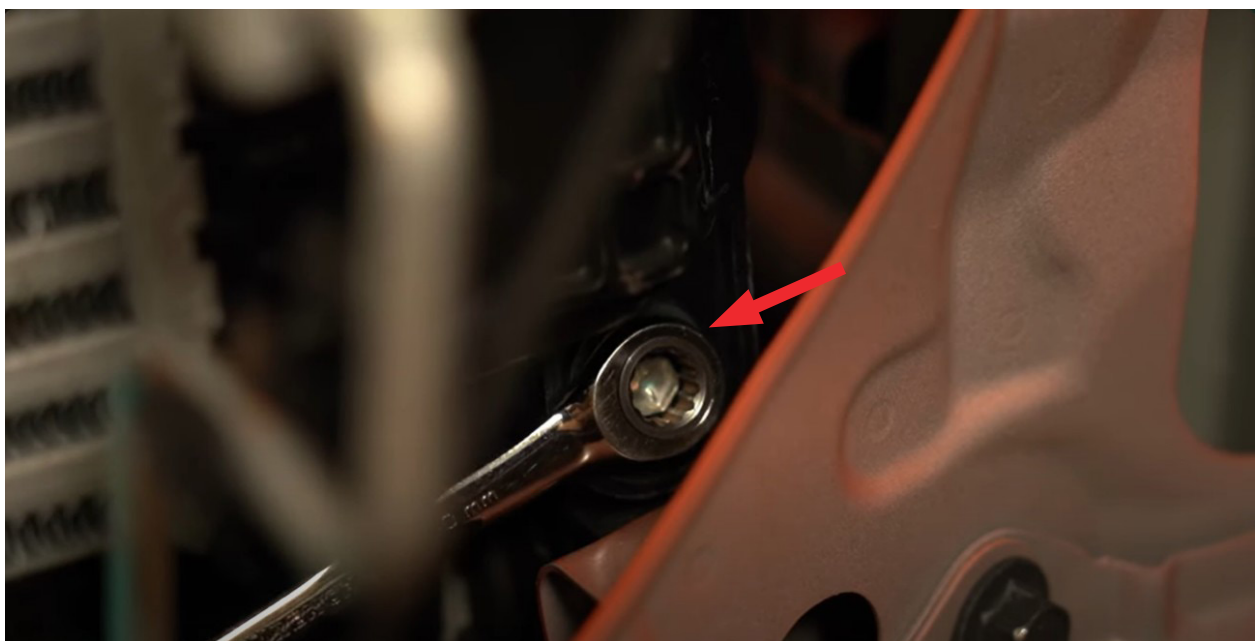
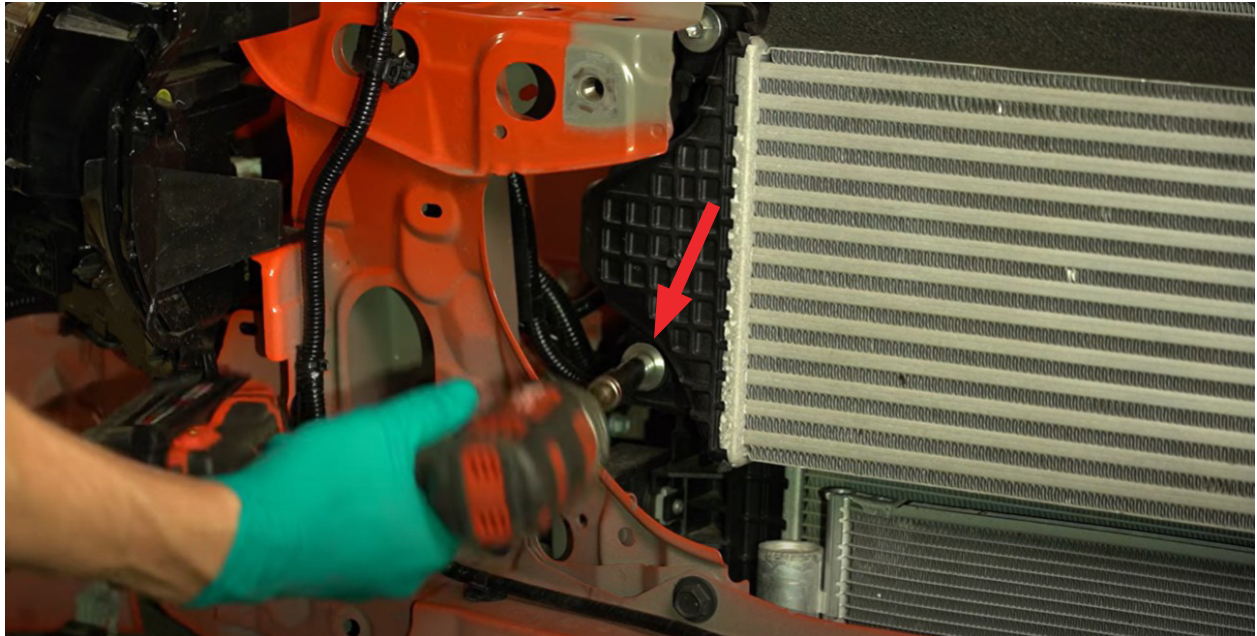


17. Supporting the radiator/intercooler assembly is optional but recommended. We hooked up bungee cords to the hood latch and the sides of the rad support. Then, remove (6) 12mm bolts holding the assembly to the frame shown in the 2nd picture below. You will need extensions to reach all of them.





18. Next, remove the (2) bottom intercooler bolts. These are 10mm. It is best to use a ratcheting wrench for the driver side as shown below.



19. Grab the rad support assembly and lift it upwards, and it should come off the tabs at the top that set it in the frame. Gently lower it down. It will rest about 3in lower than where it was. Then remove the (2) upper intercooler bolts.





20. Lift the intercooler up to get it off of its locating tabs. Then rotate the passenger side out first as shown below.



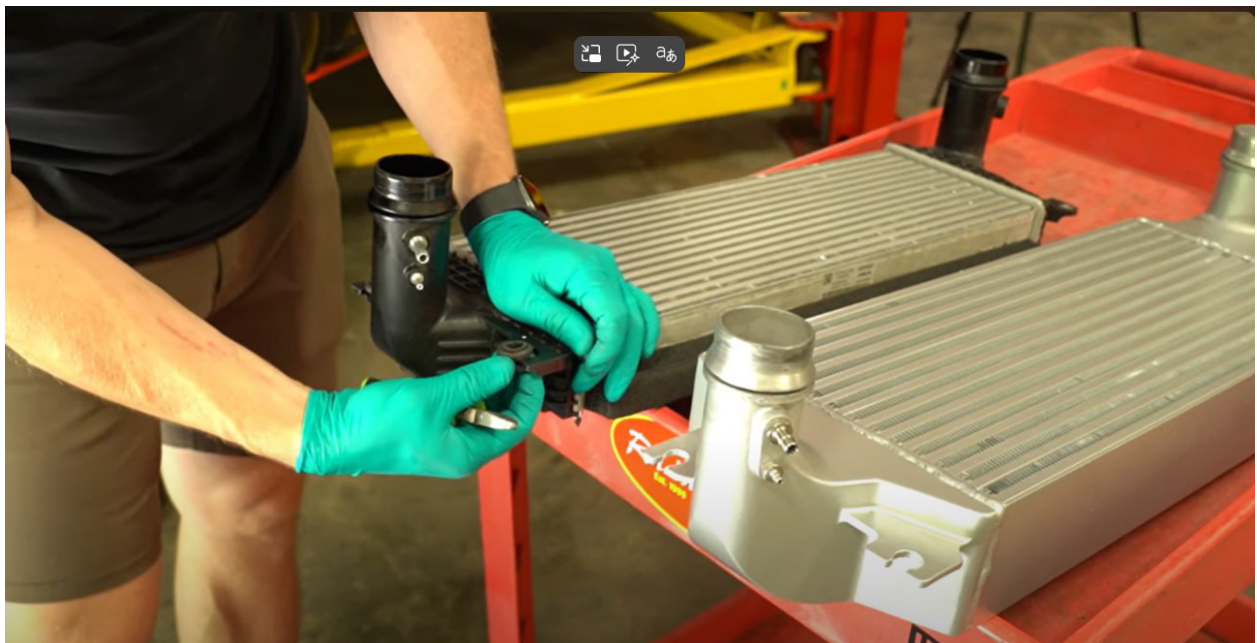
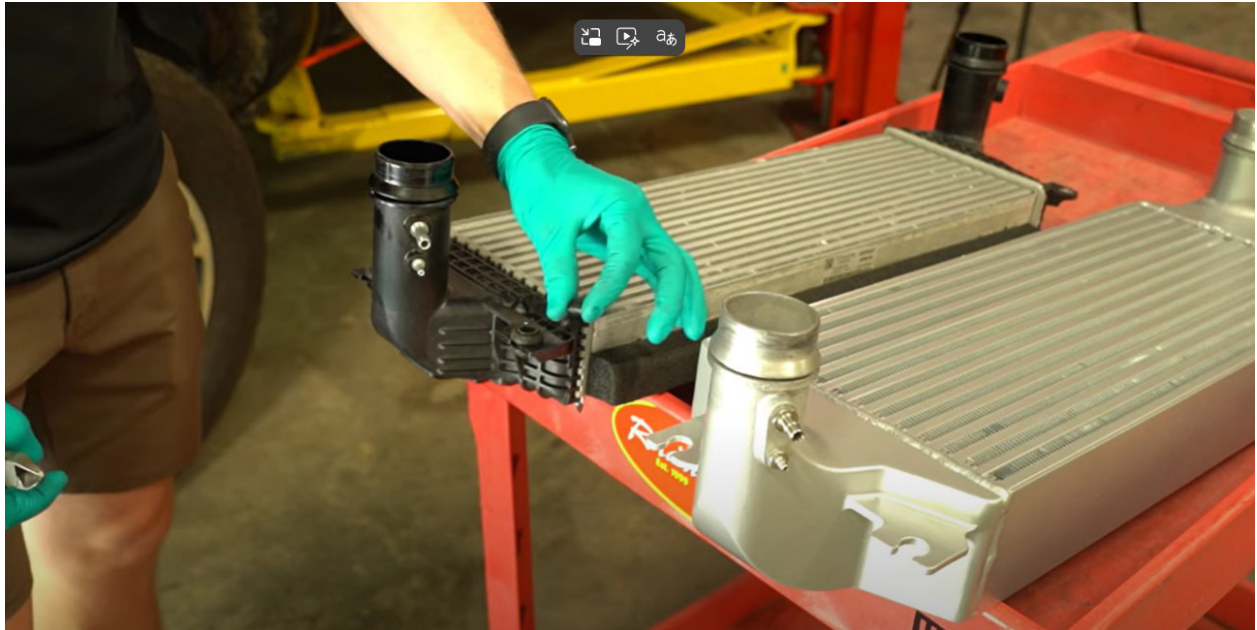
21. There will be some pushing of the rad support assembly away from you, towards the back of the engine bay to get the driver side out. Watch out for the A/C line, it will get in the way as well and it will need to be moved around. Fully remove the intercooler and set it on a flat surface.







22. Transfer the mounting bushings to the SXTH intercooler. Push out the sleeves to get the rubber out.





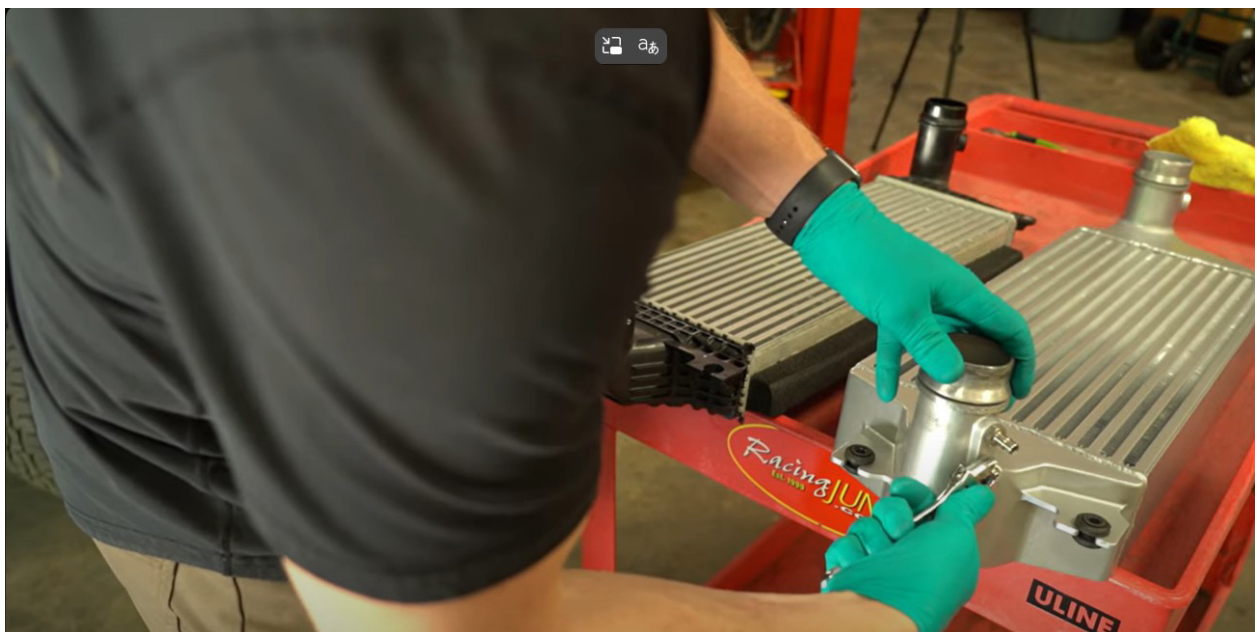
23. Insert the rubber into the SXTH intercooler, then the sleeves.







24. Using a wrench, check the tightness of the vacuum fittings in the SXTH intercooler. They should be hand tight.





25. Install the SXTH intercooler in the same manner the OEM was removed. Be careful not to dent the OEM radiator.



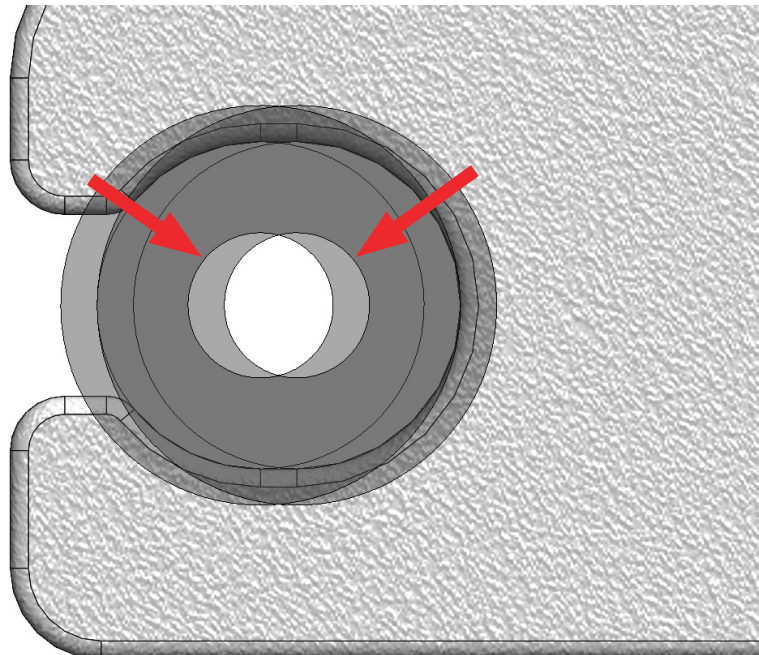
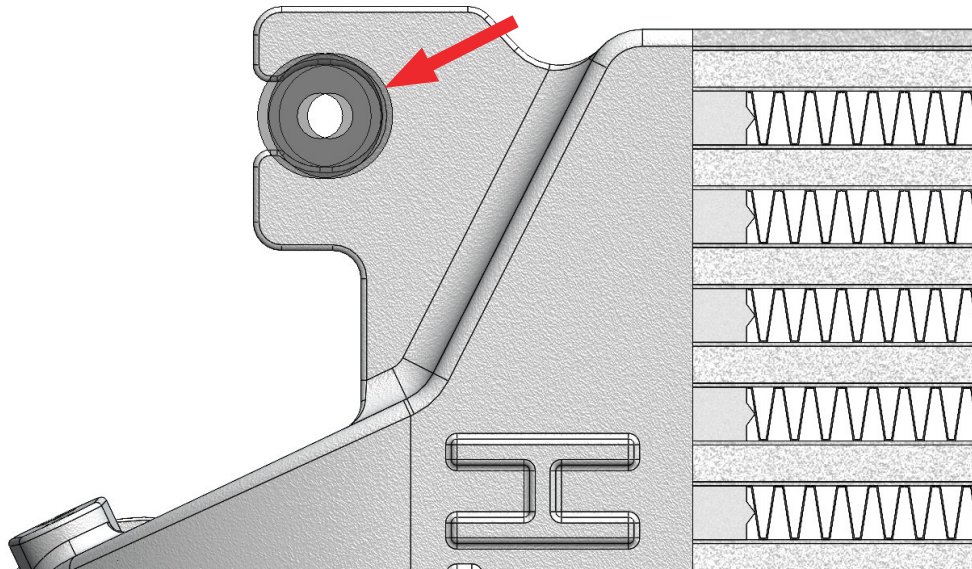


26. Loosely install the upper driver intercooler bolt. Do not tighten all the way yet.



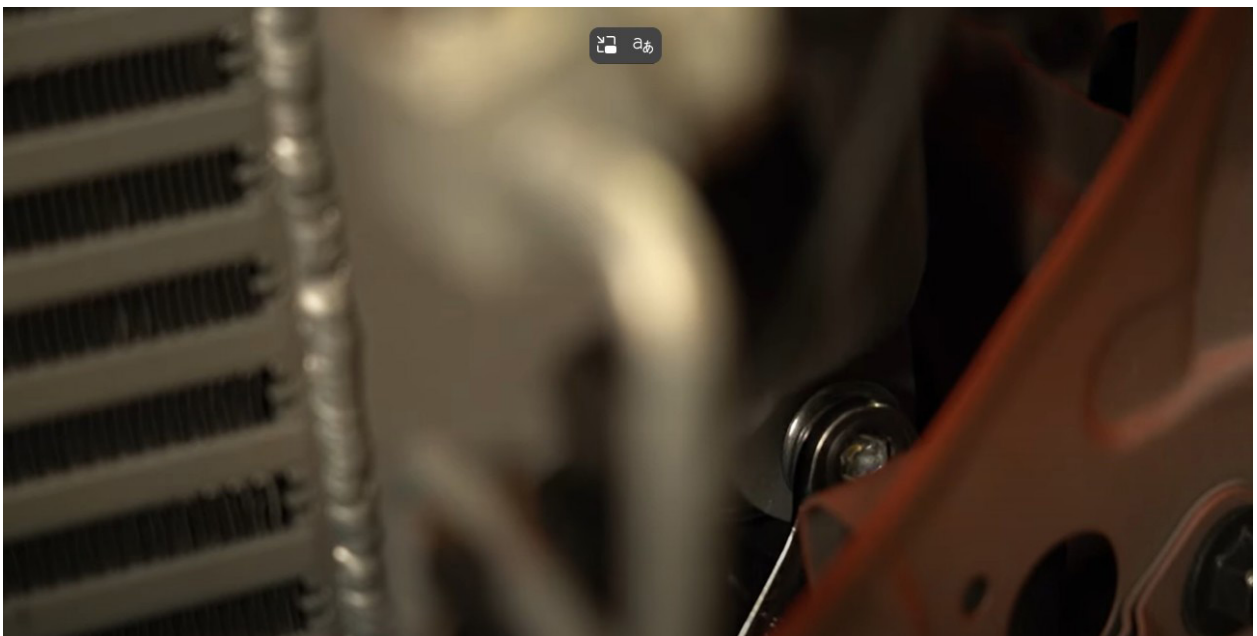


27. Since the intercooler is made to fit the Tacoma, 4Runner and Land Cruiser the passenger side grommets for the mounting bolts may be in different positions. Please position the grommet at installation within the slot so the bolt will be able to be installed. It will be positioned toward the left of the slot or toward the right depending on the application. The same goes for the bottom grommet.



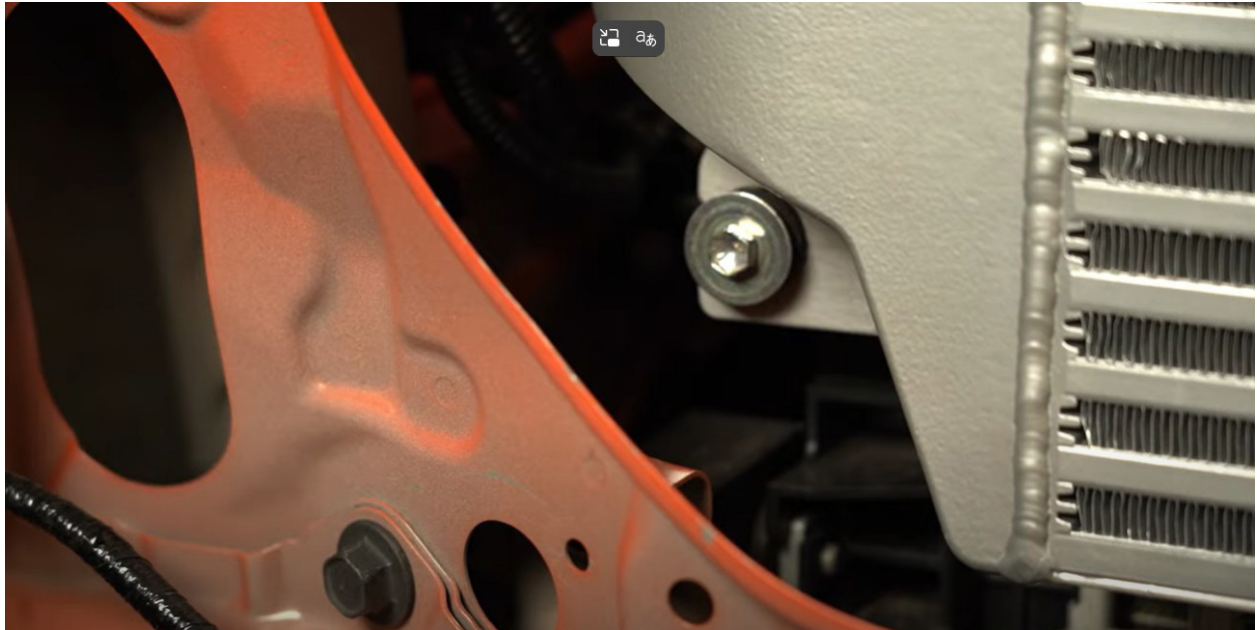


28. Install the lower driver side bolt. Do not tighten all the way yet.



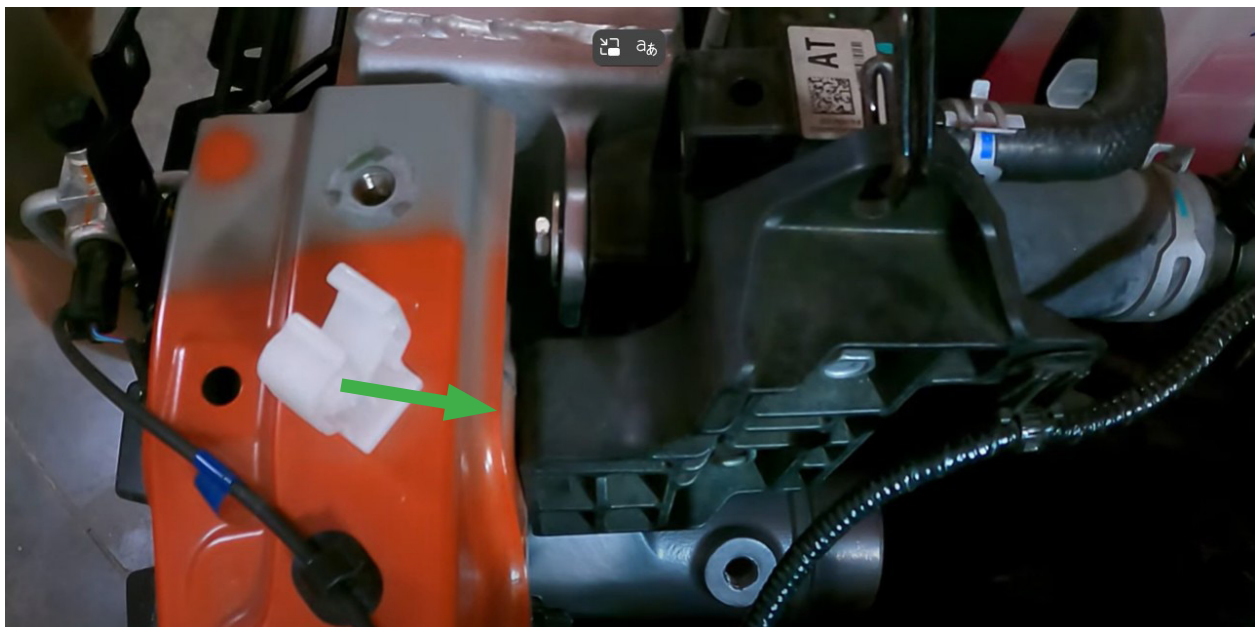


29. Install the passenger side bolts. Once all bolts are in, fully tighten 1/8th turn past hand tight. These do not need to be very tight at all, do not snap one or you will have a bad time. Then start to lift the rad support assembly back into position.

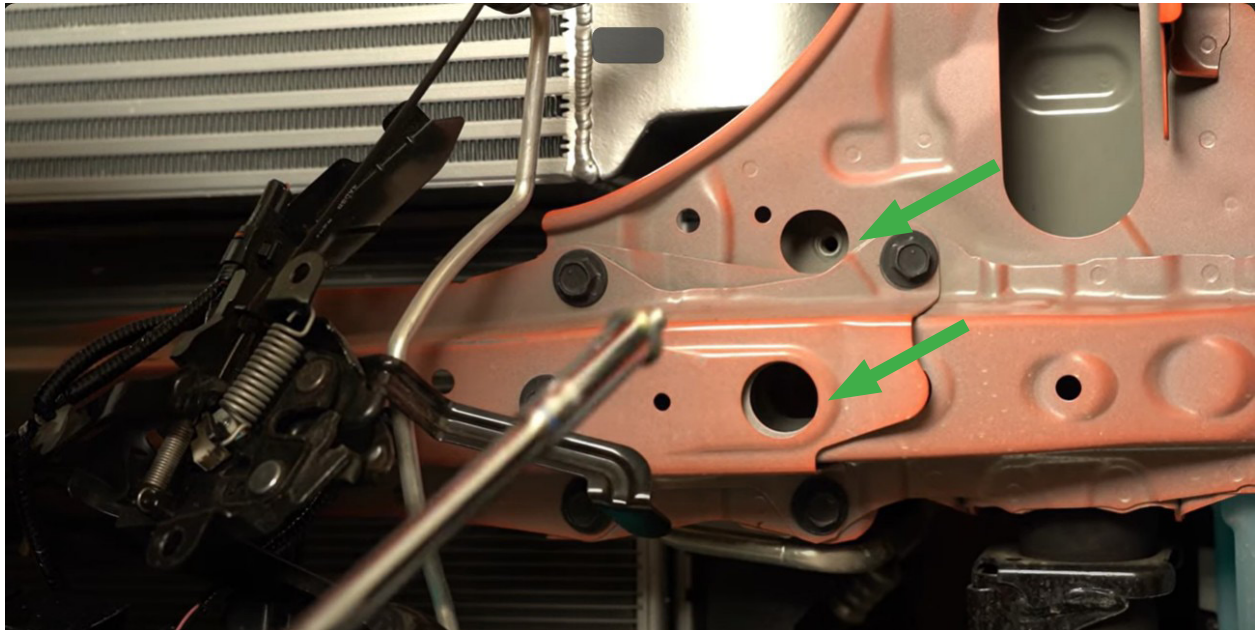




30. Once the intercooler bolts are tight, lift the rad support assembly back up into final position. There are tabs on each side that hook into the frame. See before and after pictures below.

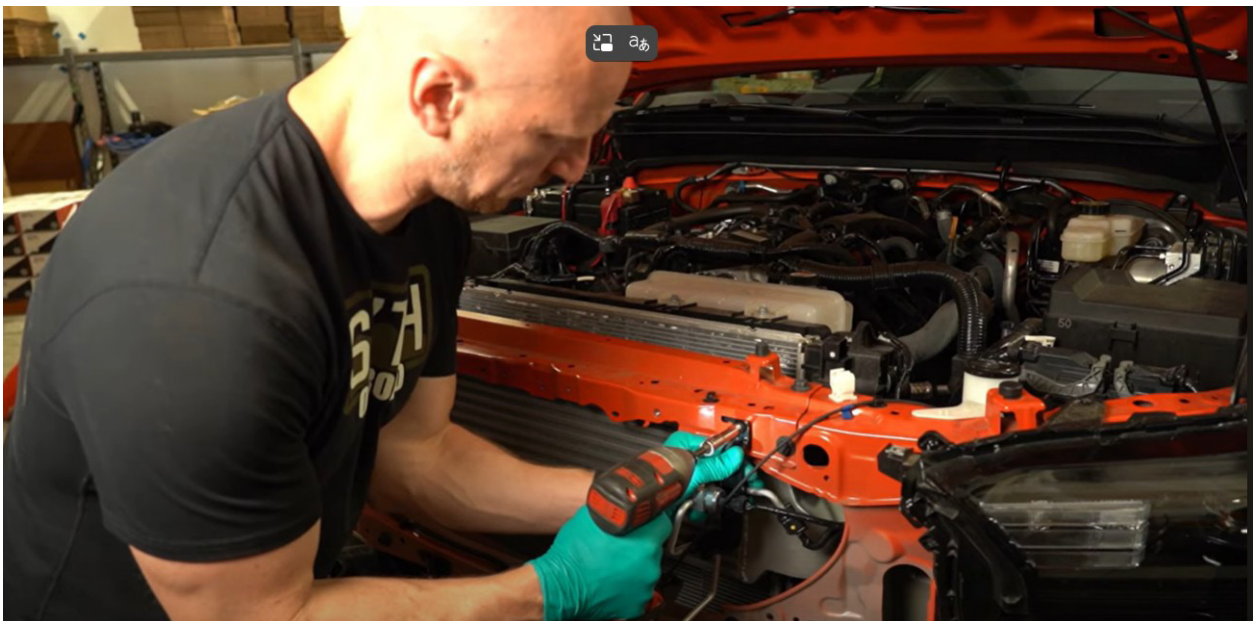


31. With the rad support in position, re-install the (6) 12mm bolts. You will likely have to slightly lift the rad support to have some of the holes line up to install the bolts. Do not fully tighten them until all of them are installed. Recommended torque is 15 lb-ft.





32. Install the upper frame rail. Torque the (4) bolts to 65 lb-ft.



33. Re-install the hood latch bracketry, A/C line and horns.





34. Install the radiator shrouds. Driver/Passenger first, then the center one.

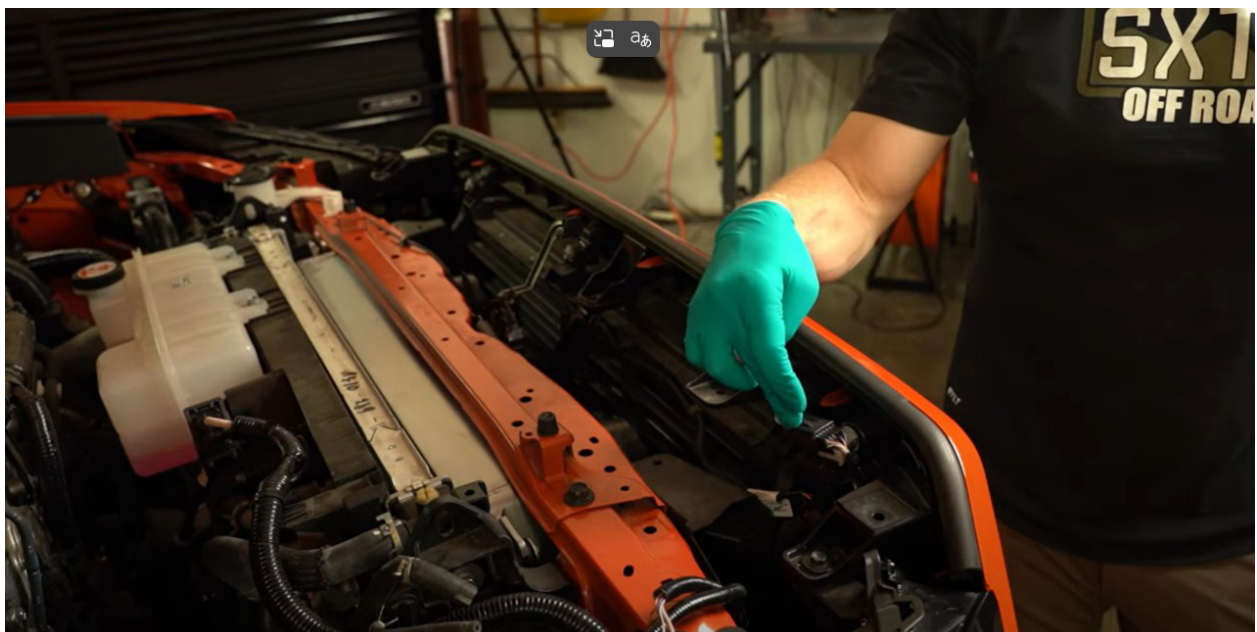
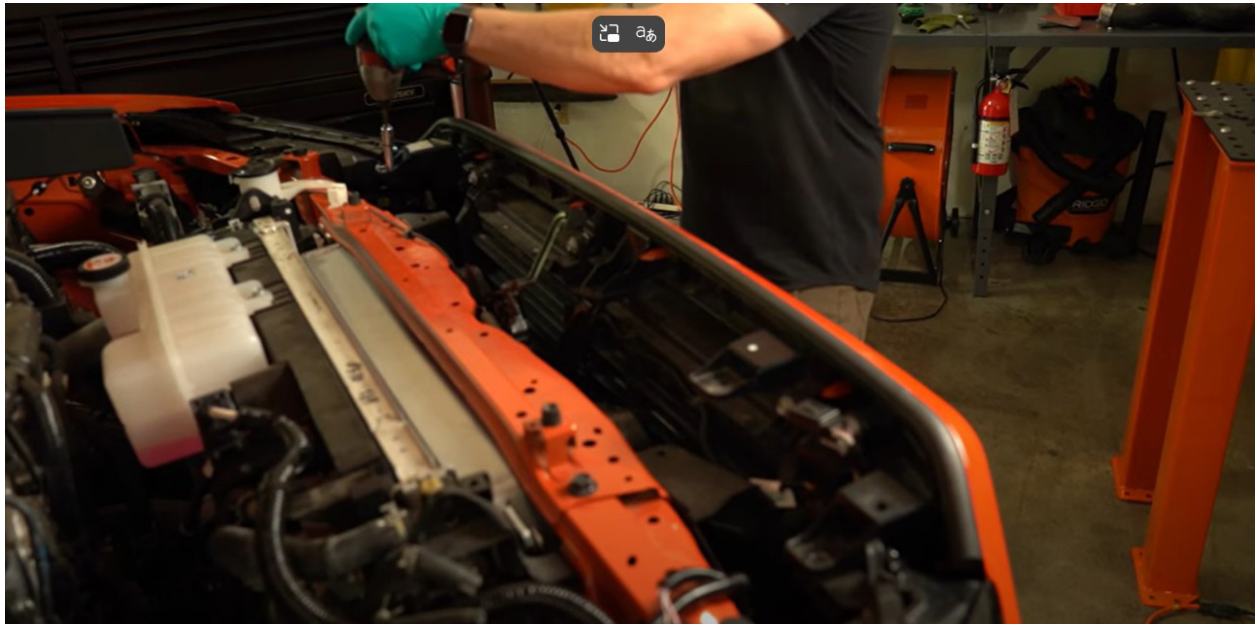


35. Install the bumper in the same order it was removed.



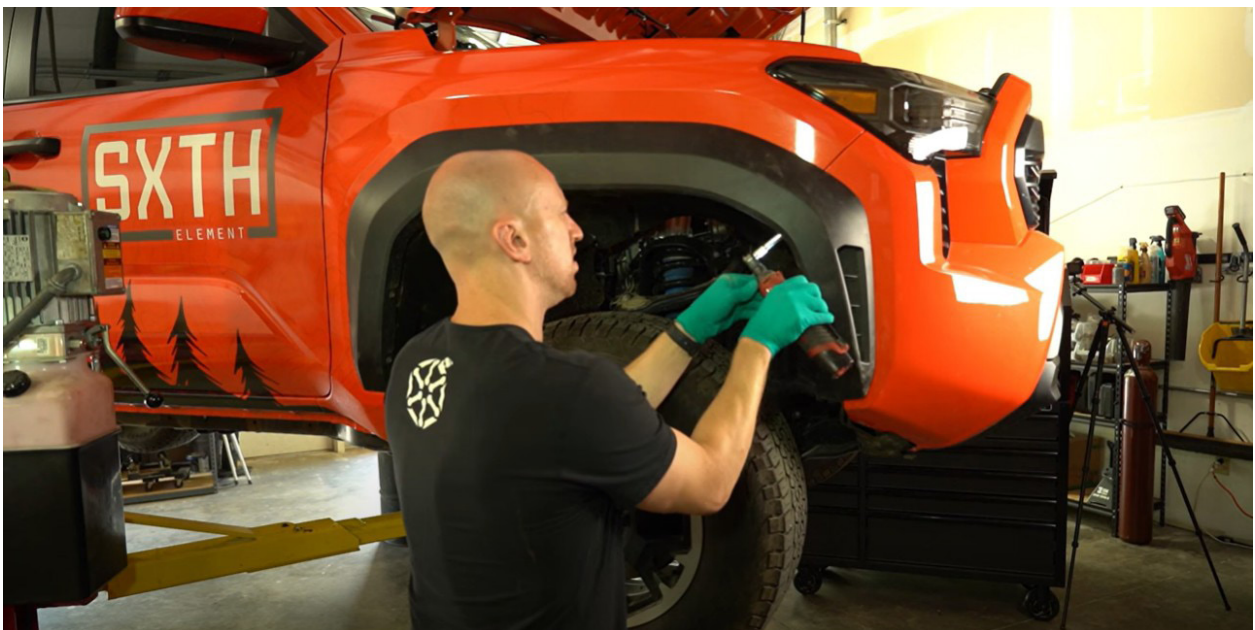


36. Install the (4) 10mm bumper bolts on the top of the bumper.



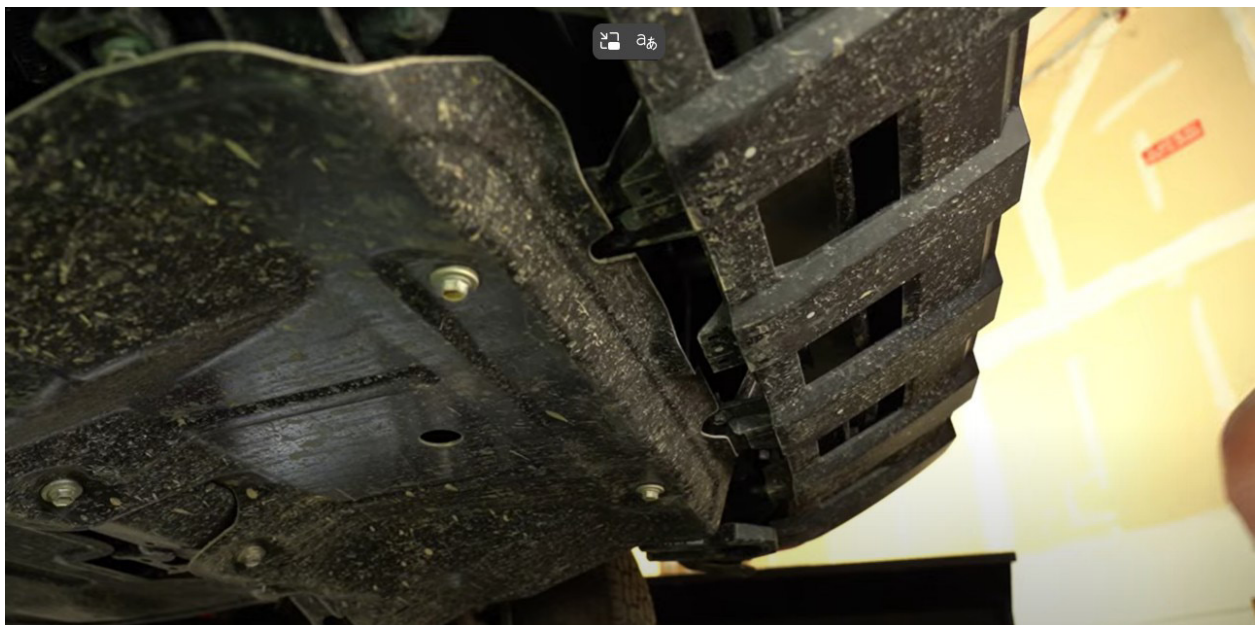
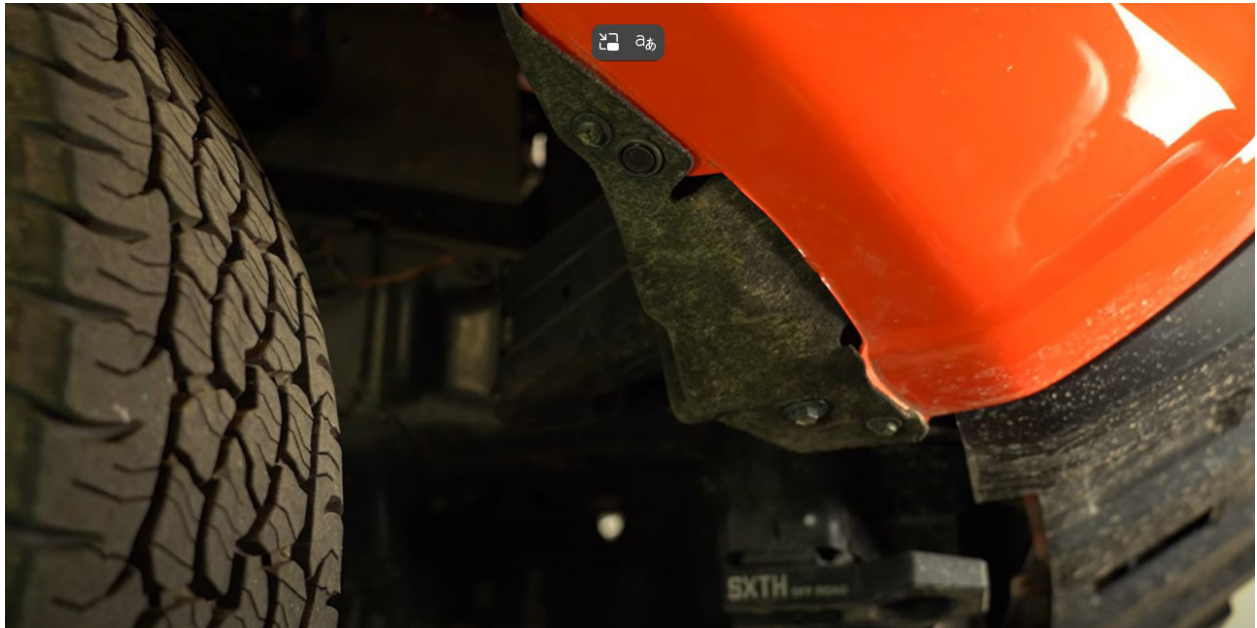


37. Pop on each fender flare, then secure with all the fasteners.



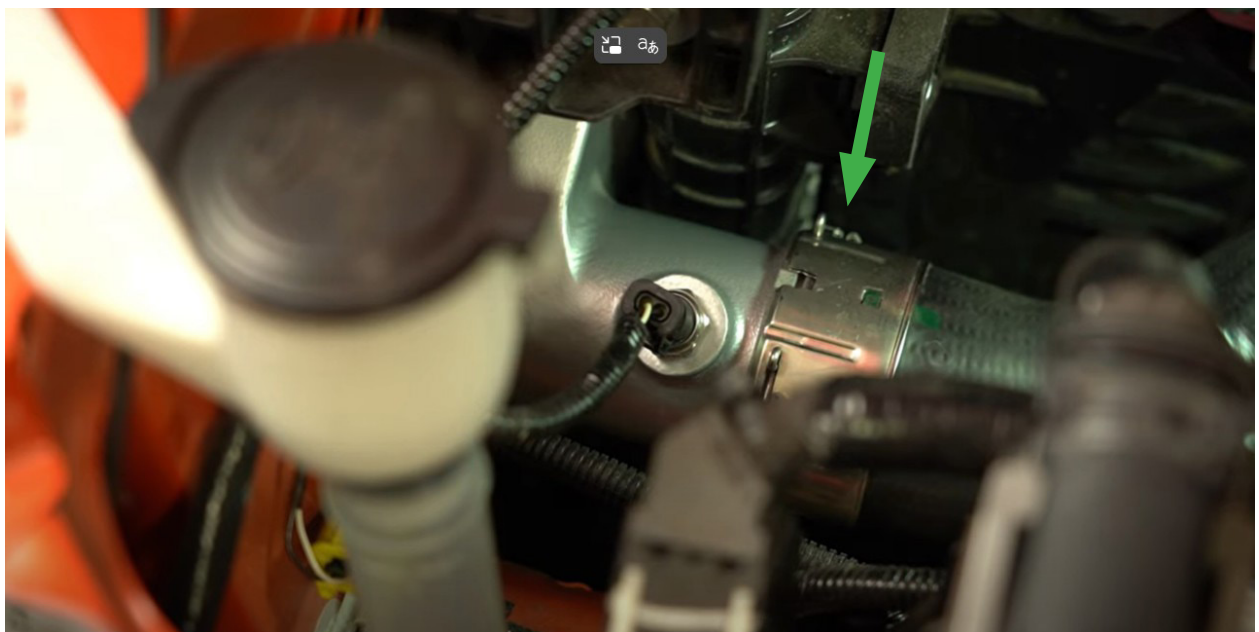
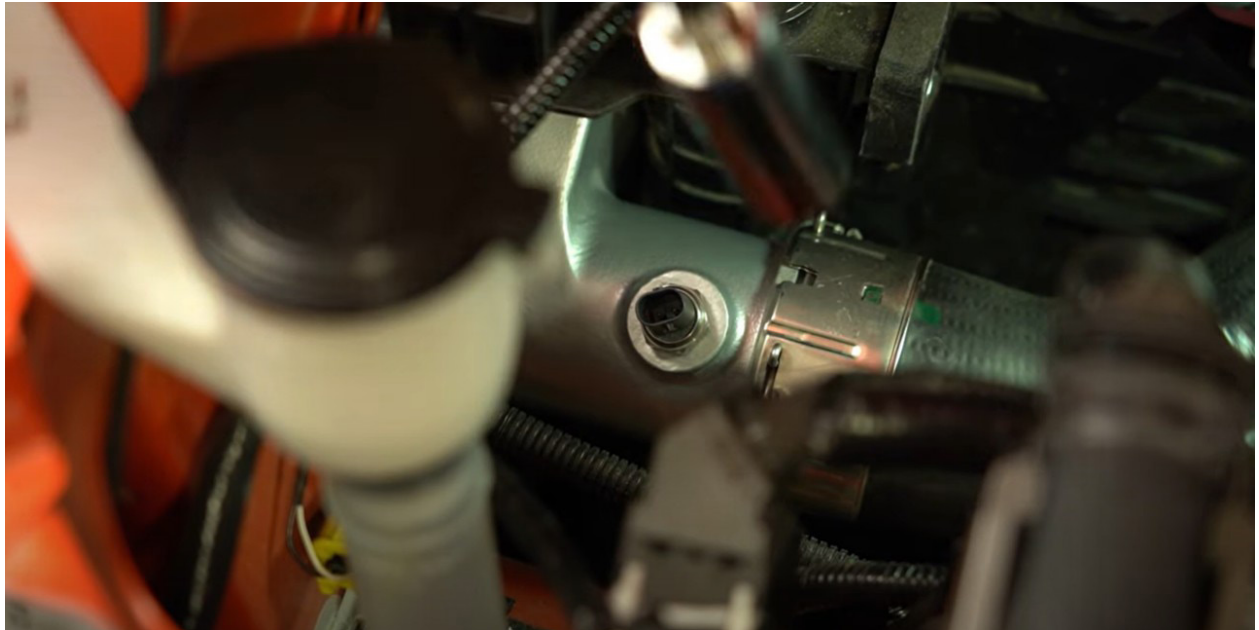


38. install the (3) 10mm bolts and pop clip on the bottom of each side of the bumper.



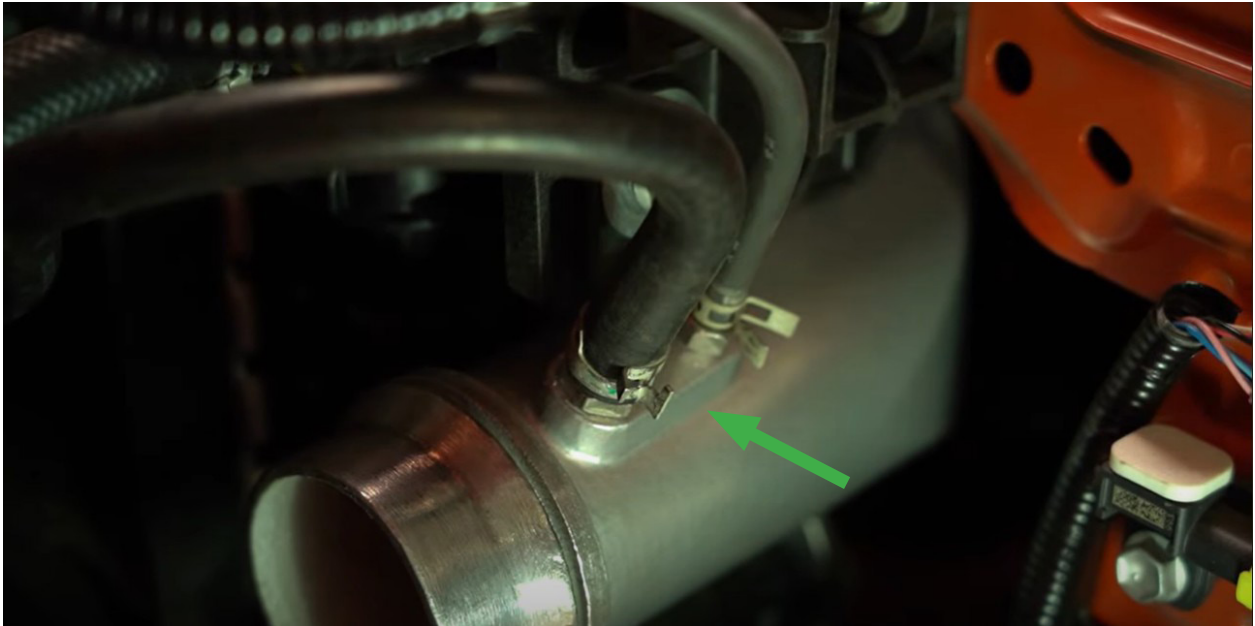


39. Install the intercooler temp sensor. Recommended torque is 15 lb-ft. DO NOT overtighten. Then install the OEM cold side hose. Make sure the retaining clips engage the intercooler and throttle body.





40. Install the vacuum hoses back on to the intercooler. Then install the OEM hot side hose. Make sure the retaining clips engage the intercooler and the turbo.



41. Install the radiator cover and you're all done!







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