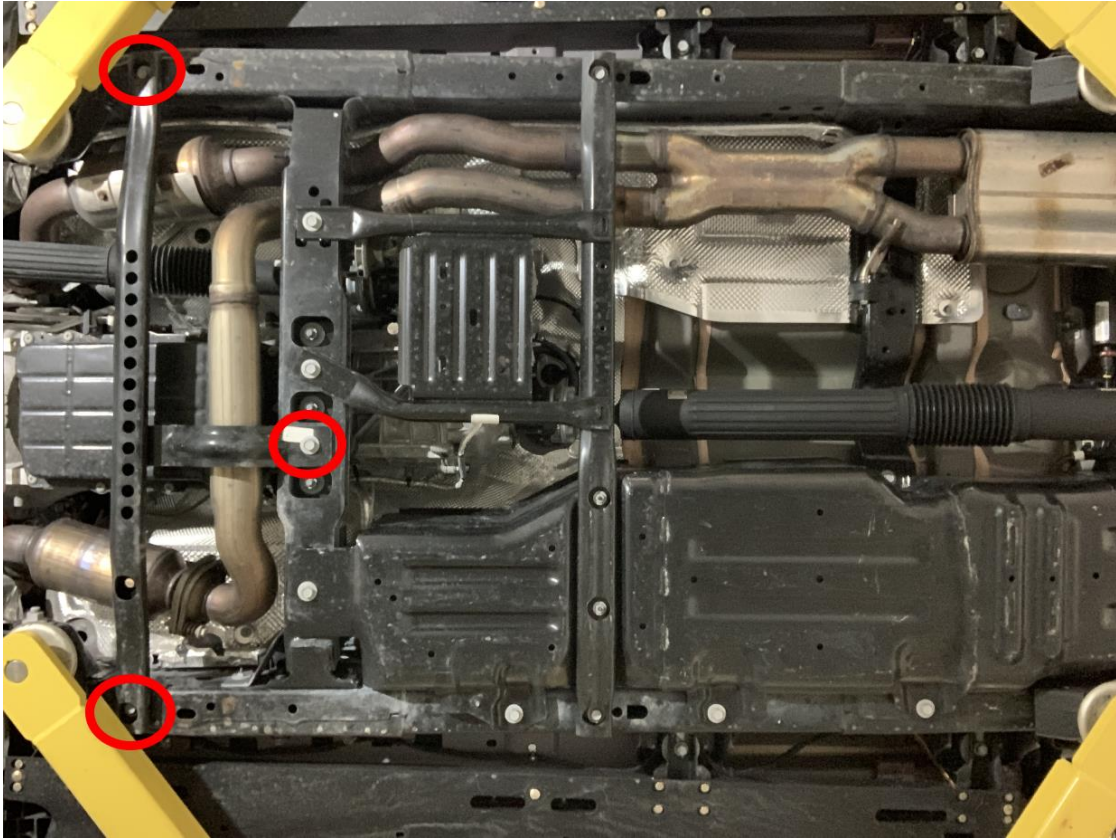


**JL4112 – JLU WRANGLER 392 HEMI SKID INSTALLATION**

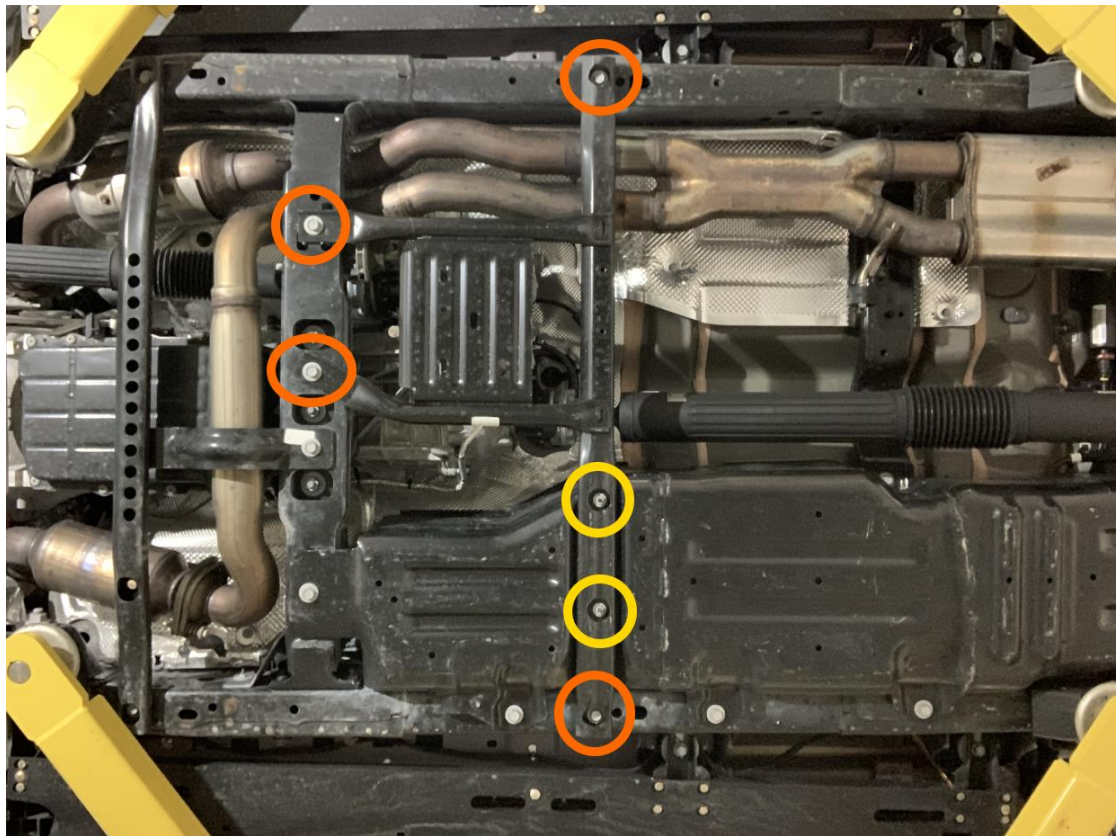
**\*\*BE SURE YOU HAVE ALL THE CORRECT PARTS BEFORE INSTALLATION\*\***



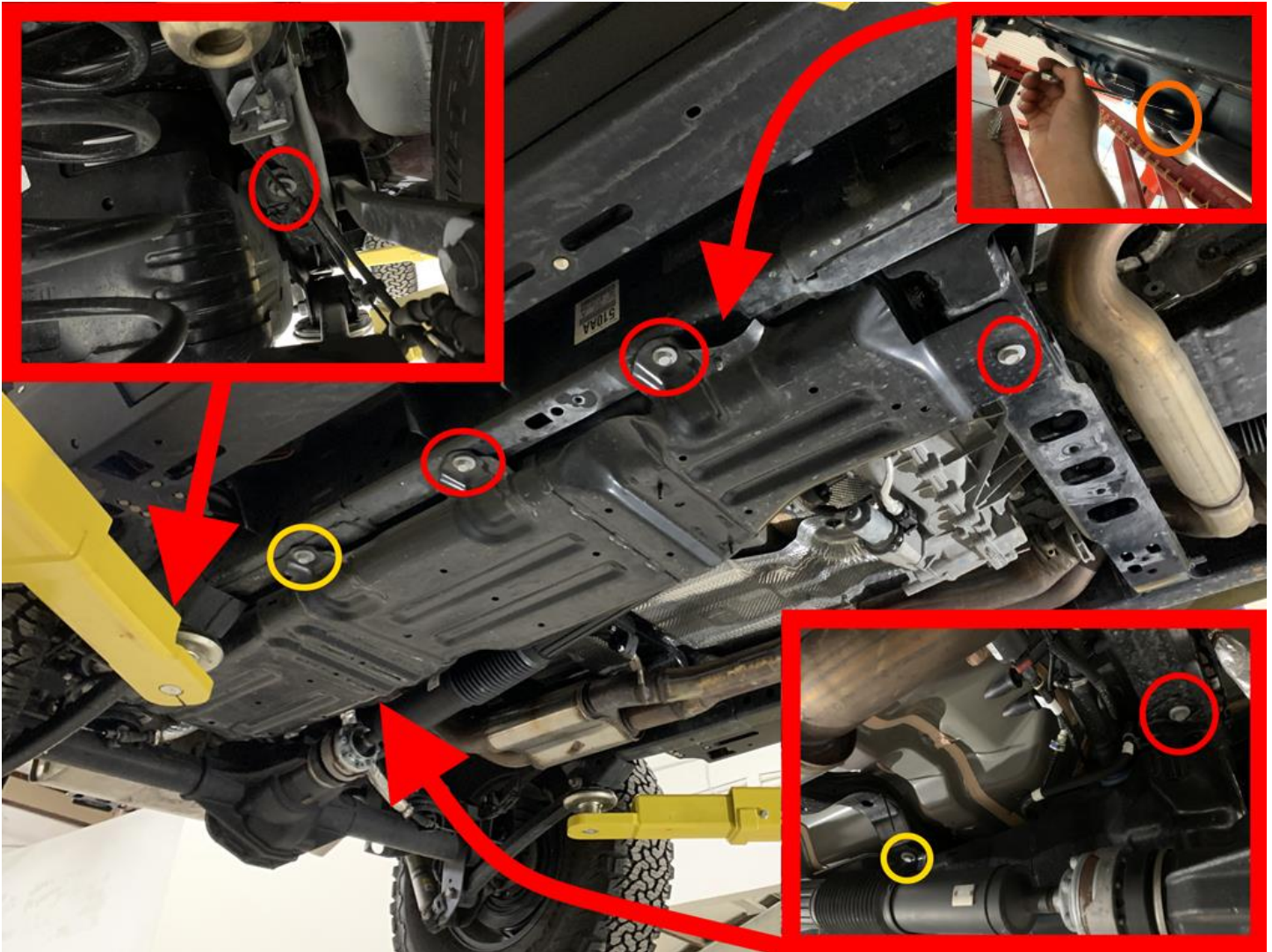
1. Remove transmission cross support skid by removing 3 - 12mm bolts using 18mm socket. (Red)



2. Remove transfer case skid by removing 2 - 8mm nuts using 13mm socket (Yellow) and 4 - 12mm bolts using 18mm socket. (Orange)



3. Remove fuel tank skid by loosening 5 - 12mm bolts using 18mm socket. (Red) Loosen 2 - 12mm bolts using 18mm socket. (Yellow) Remove fuel tank support strap by loosening 8mm bolt using 13mm wrench. (Orange)

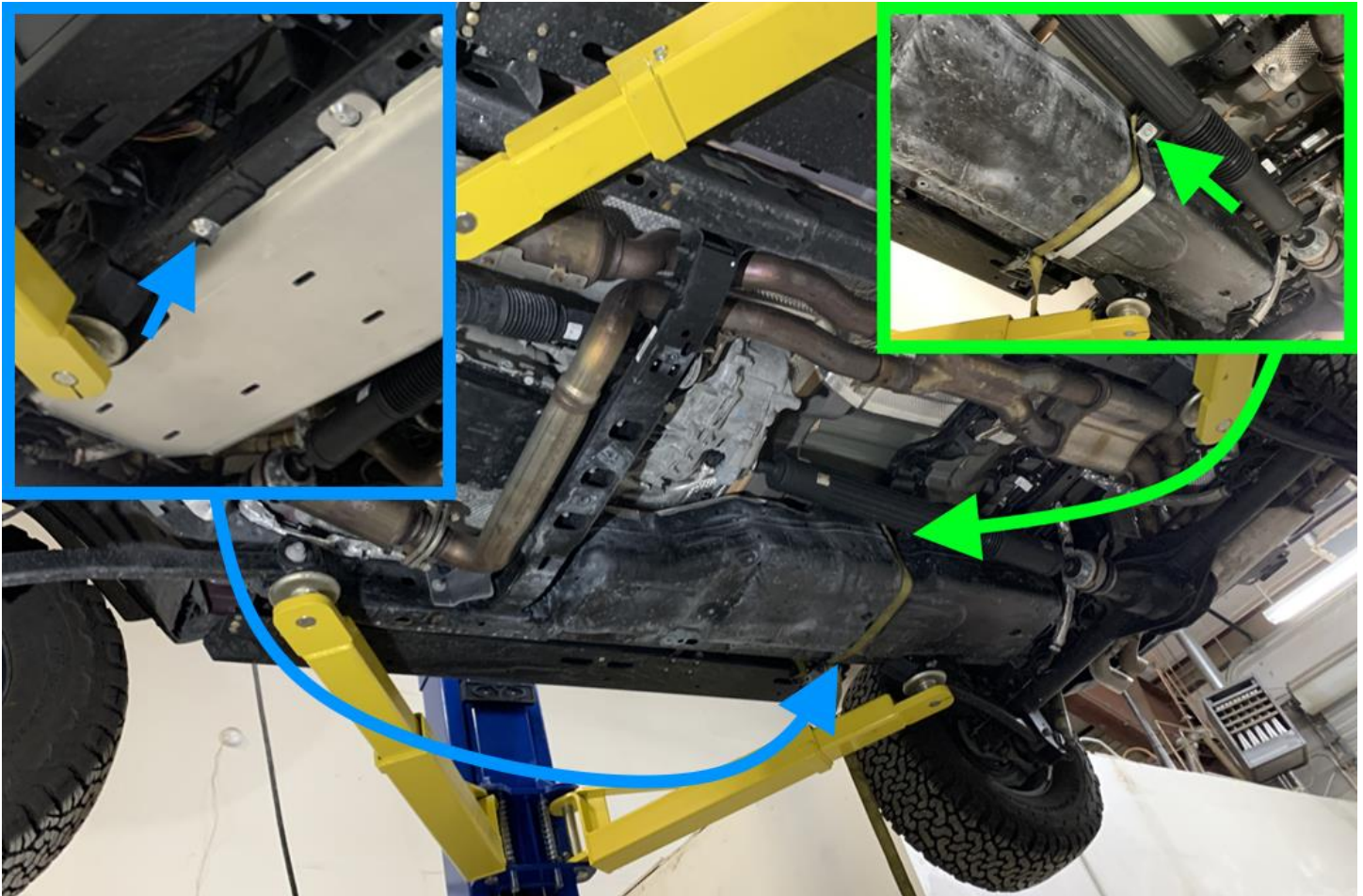


4. With fuel tank skid loosely secured, slip a small ratchet strap between the fuel tank and the fuel tank skid securing the fuel tank to the frame so the OEM fuel tank skid can be fully removed. (Detach clip holding fuel lines to fuel tank skid.)

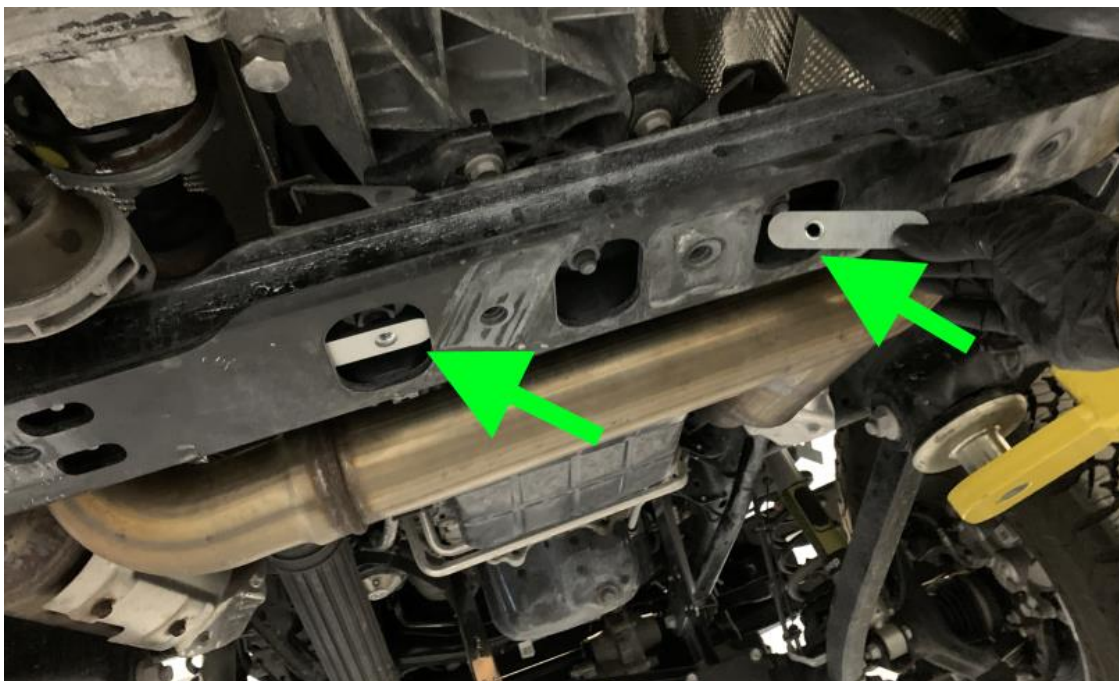


5. With fuel tank secured, install fuel tank strap using OEM 1 - M12 bolts, previously removed, with 18mm socket (Green); 1 - 12mm x 40mm counter sink bolt & counter sink washer through strap and into passenger side frame rail as shown. (Blue)

(NOTE) Remove ratchet strap from frame and fuel tank once fuel tank strap is securing tank.



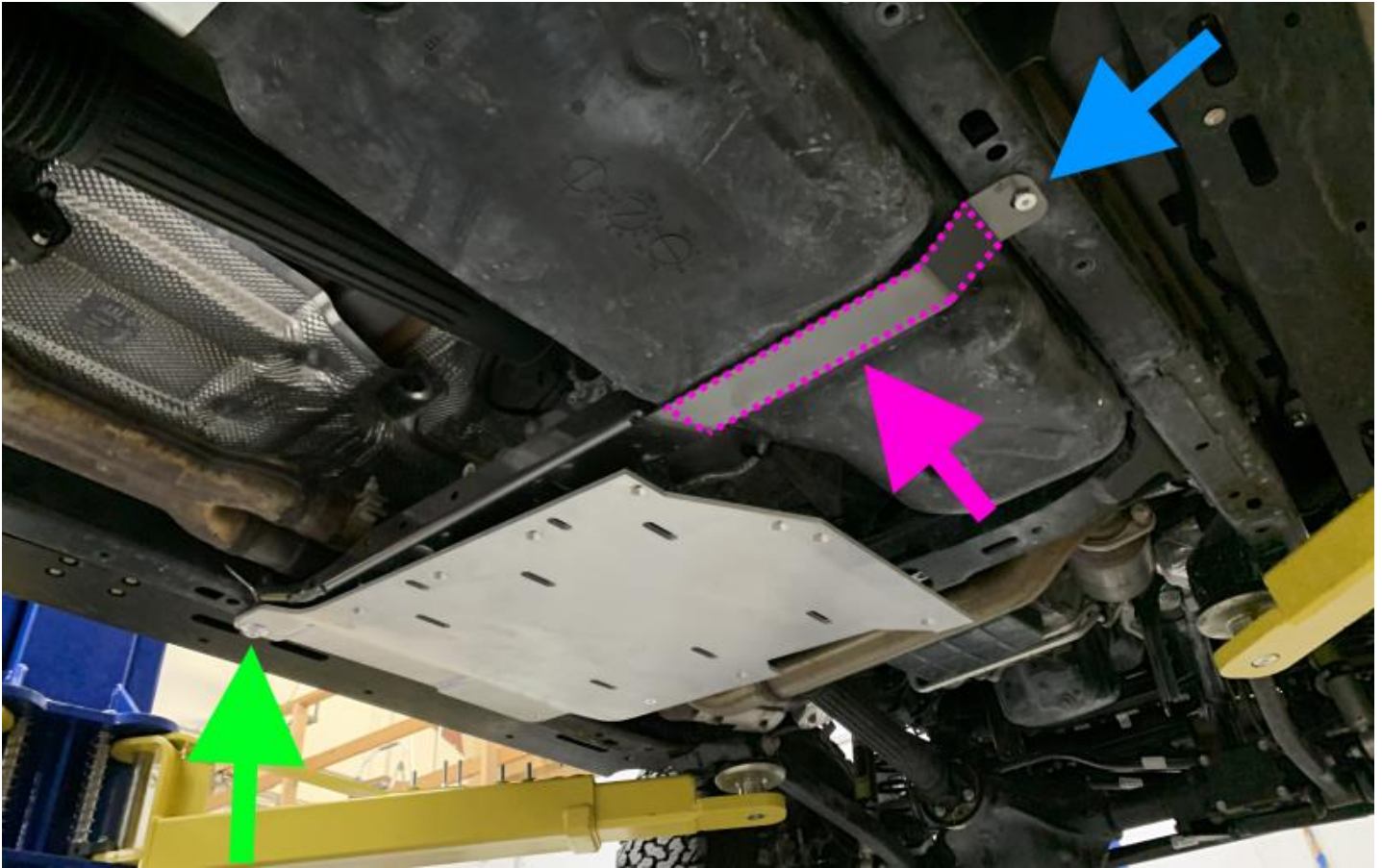
6. Install 2 – 3/8" Single Nut Plate into crossmember as shown. (Green)



7. Install kit rubber isolation strip onto HD support crossmember as shown below, doing so will give the fuel tank extra protection between the crossmember and fuel tank. (Pink)

8. **Loosely** install T-case skid & HD support crossmember using 12mm x 40mm counter sink bolt & counter sink washer through T-case skid crossmember onto driver side frame rail as shown. (Green)

9. Continue by **loosely** installing 12mm x 40mm counter sink bolt and washer onto driver side frame rail as shown. (Blue)



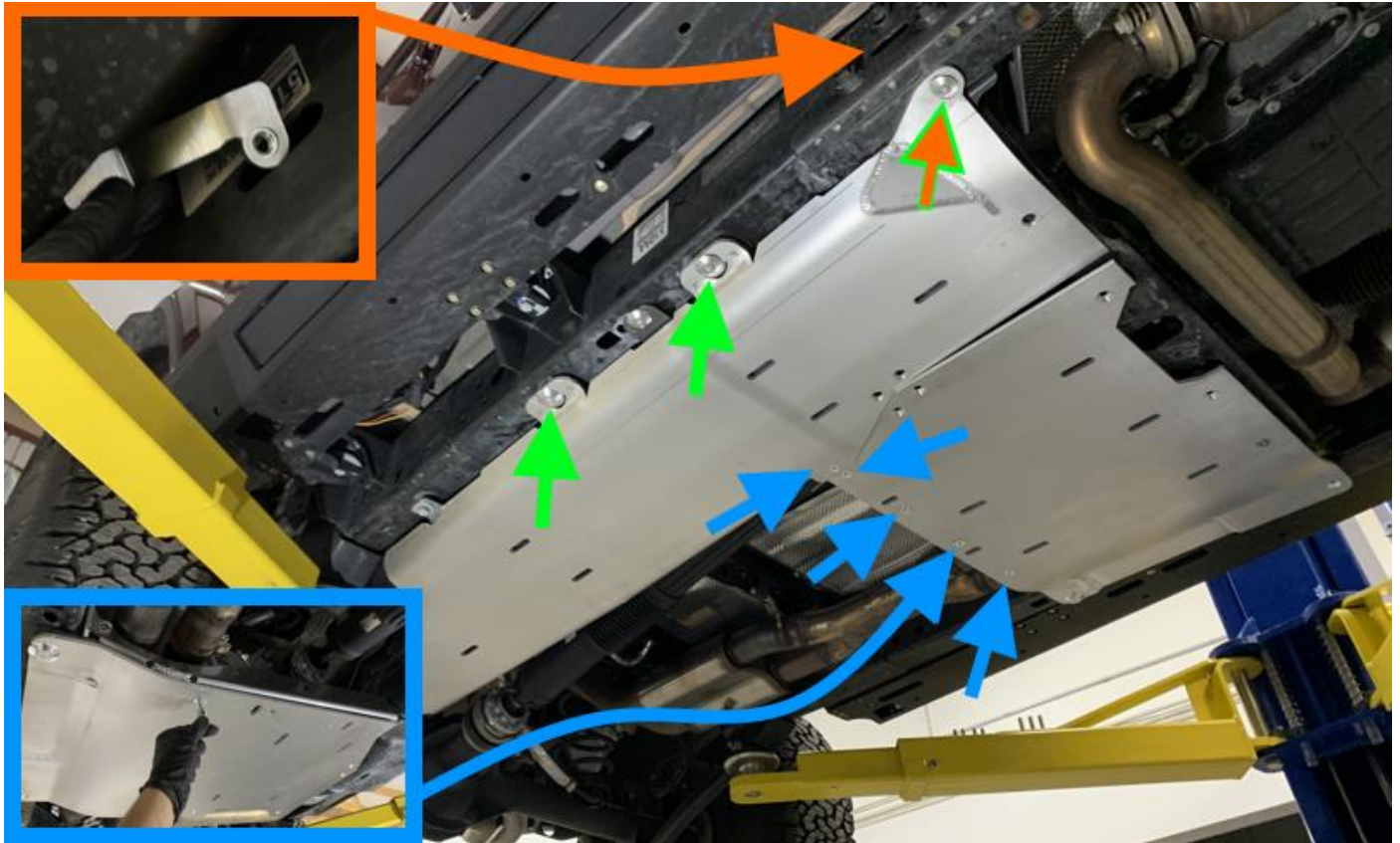
10. **Loosely** install 4 - 3/8" x 1" carriage bolt using tape to secure them to the fuel tank skid prior to installing the fuel tank skid onto frame and support crossmember. (Blue)



11. **Loosely** installing fuel tank skid onto passenger frame using 3 - 12mm x 40mm counter sink bolts and washers. (Green)

(NOTE) Late 2021+ models require 3/8" passenger side nut plate and 3/8 x 2" counter sink bolt & washer. (Orange.)

12. Continue by **loosely** securing fuel tank and T-case skid onto support crossmember using 5 – 3/8 x 1" counter sink bolts. (Blue)

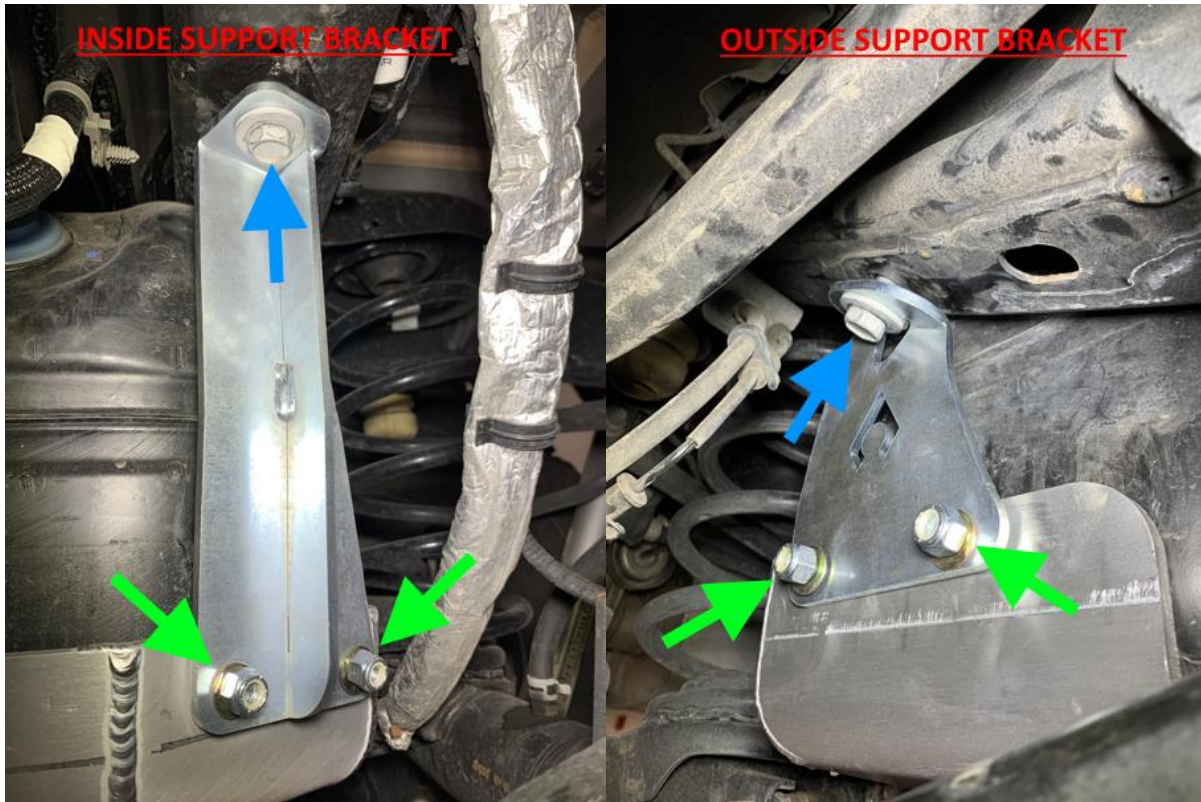


13. Continue by **loosely** securing T-case skid onto support crossmember using 4 – 3/8 x 1" counter sink bolts. (Green)



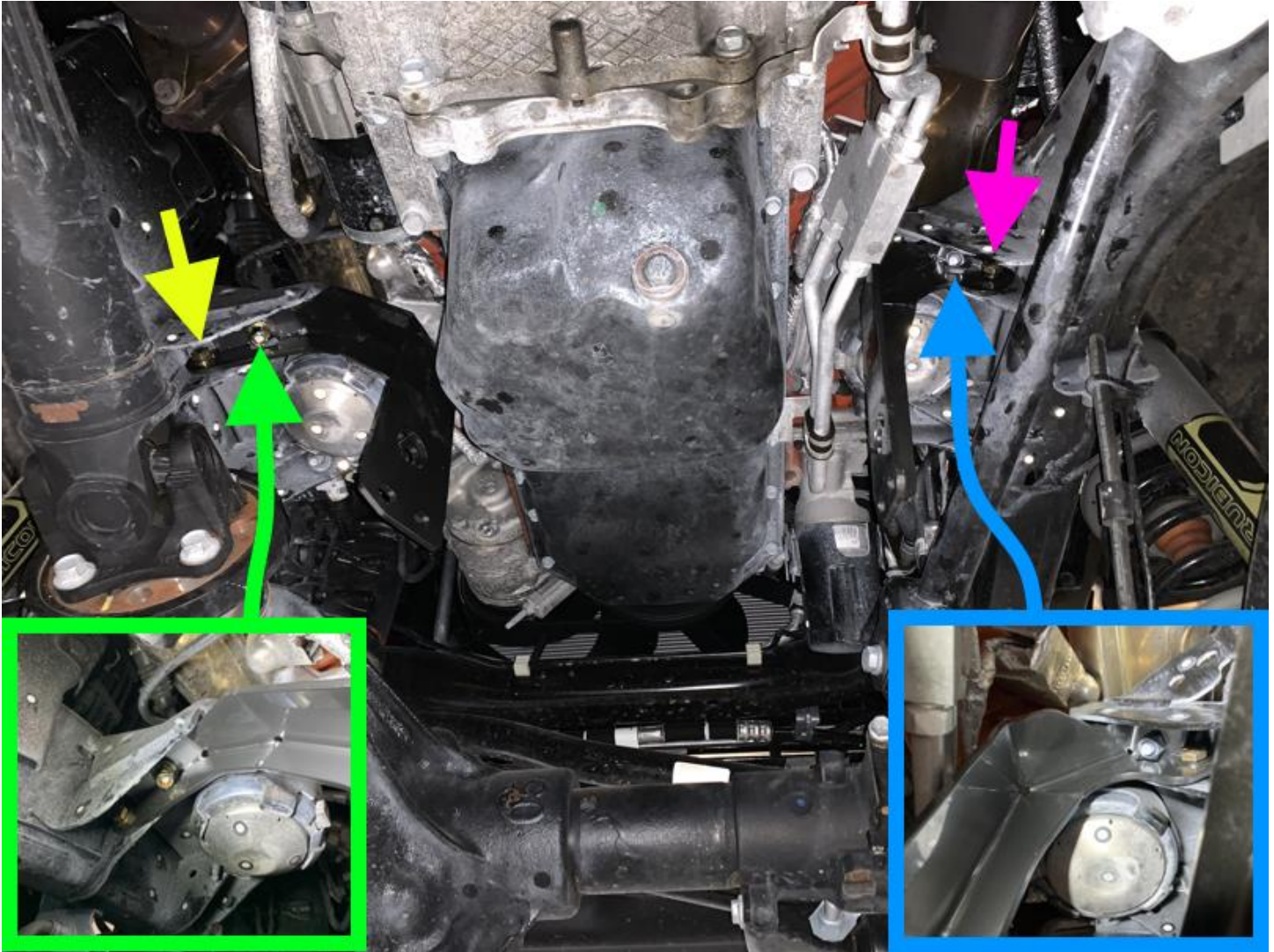
14. **Loosely** install each fuel tank inner and outer support brackets onto fuel tank skid using previously installed 2 – 3/8” x 1” carriage bolts, secure them using 2 - 3/8” lock nuts and washers per bracket. (Green)

15. Continue by **loosely** installing each fuel tank inner and outer support brackets onto OE frame using 2 – OEM 12mm bolts (removed from original skid) with 18mm socket / wrench. (Blue)



16. **Loosely** install driver side engine oil skid bracket onto driver rear inner motor mounting stud using a 10mm (long – yellow zinc) nylock flange nut. (Green) Continue securing the end/tip of the bracket to the rear side forward inner flange motor mount by inserting a 3/8” x 1” bolt, washers and nut. (Yellow)

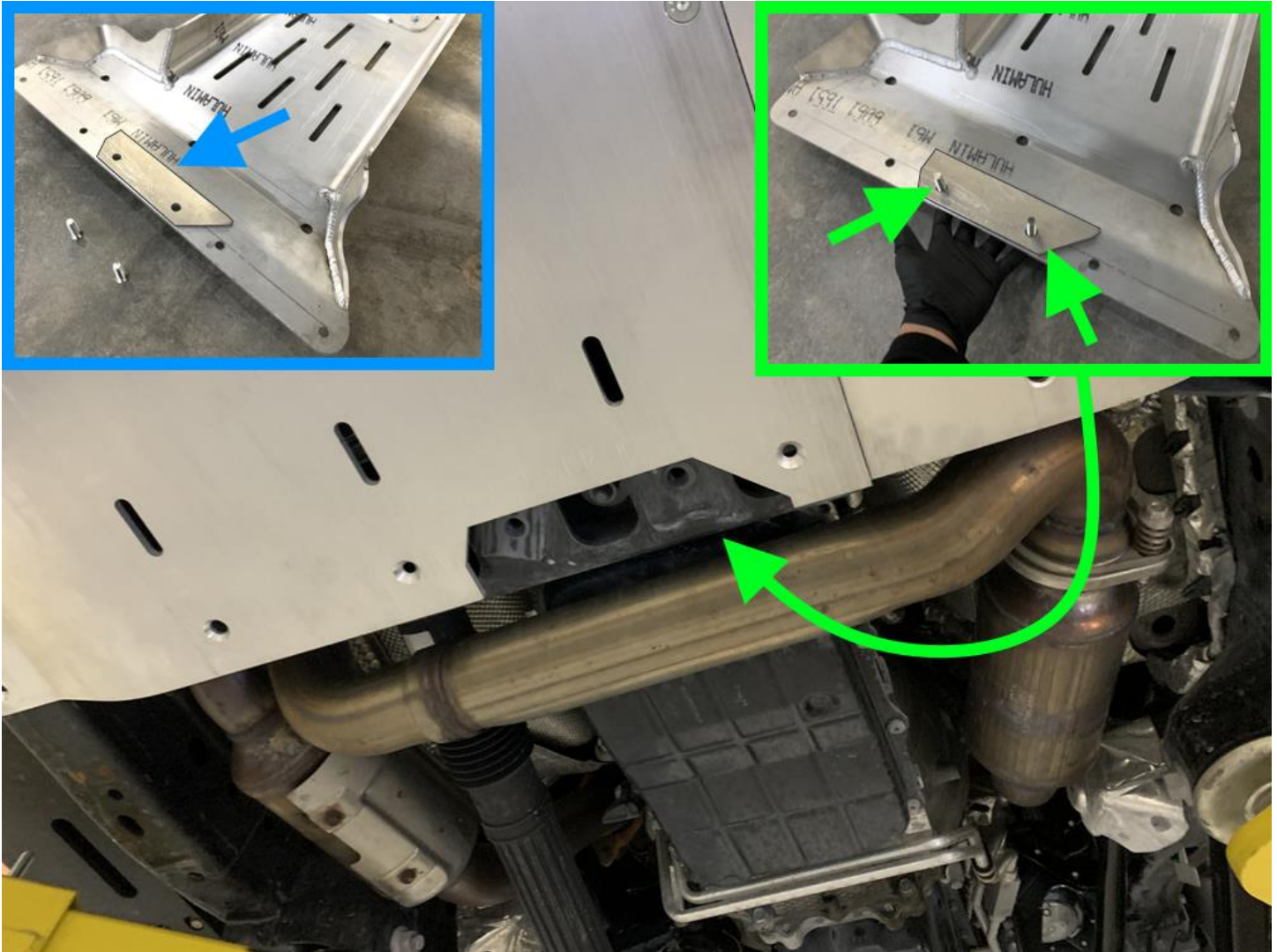
17. **Loosely** install passenger side engine oil skid bracket onto passenger rear inner motor mounting stud using a 10mm (short – silver zinc) nylock flange nut. (Blue) Continue securing the end/tip of the bracket to the rear side forward inner flange motor mount by inserting a 3/8” x 1” bolt, washers, and nut. (Pink)





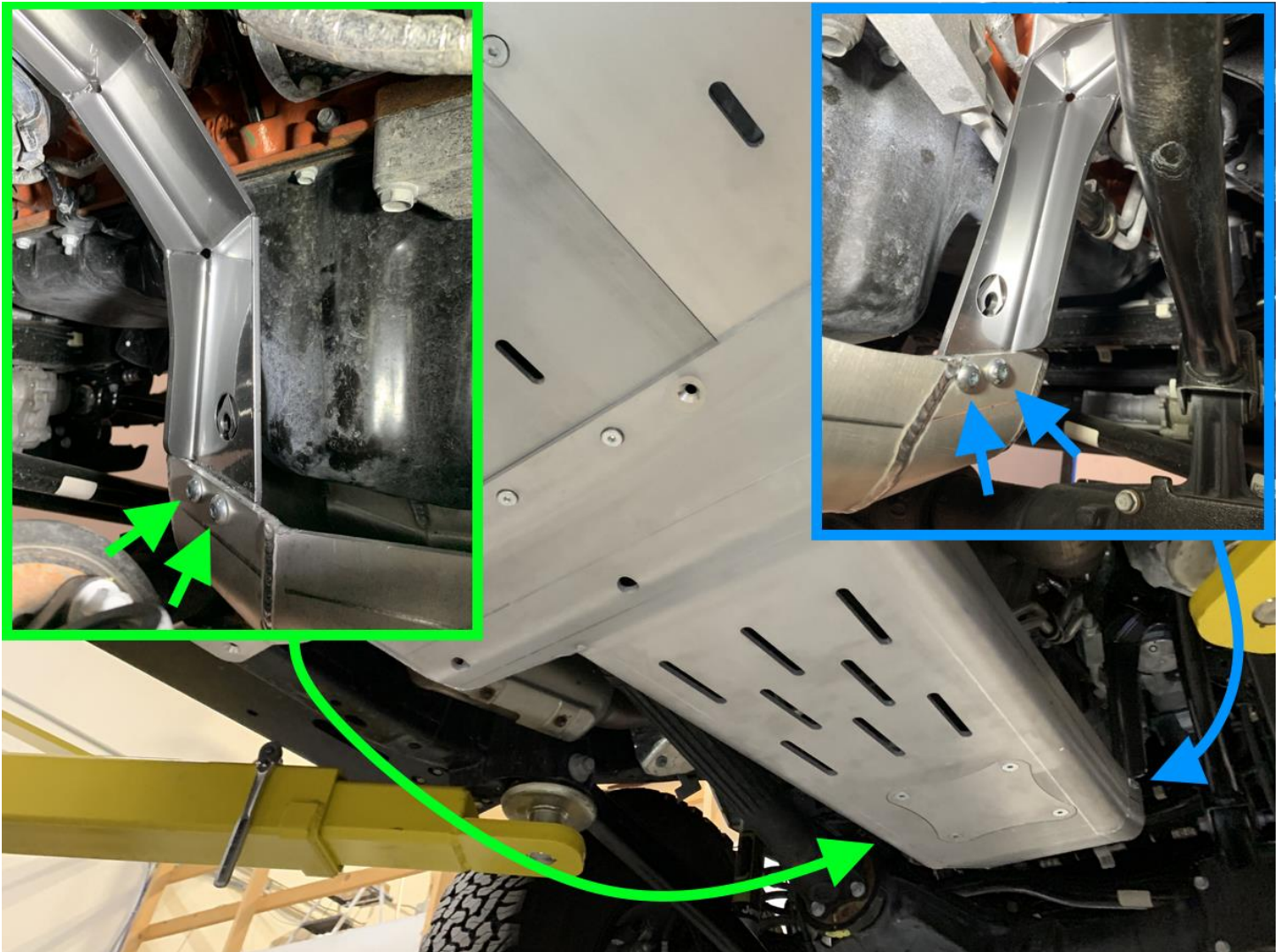
18. **Loosely** place crossmember filler plate (JL4112-22) onto engine oil skid (JL4112-1) as shown below. (Blue)

19. Continue by inserting 2 - 12mm x 40mm counter sink bolts through the two center holes on the engine oil skid as you line up the holes and filler plate with the OEM crossmember **loosely** securing bolts and skid to crossmember. (Green)



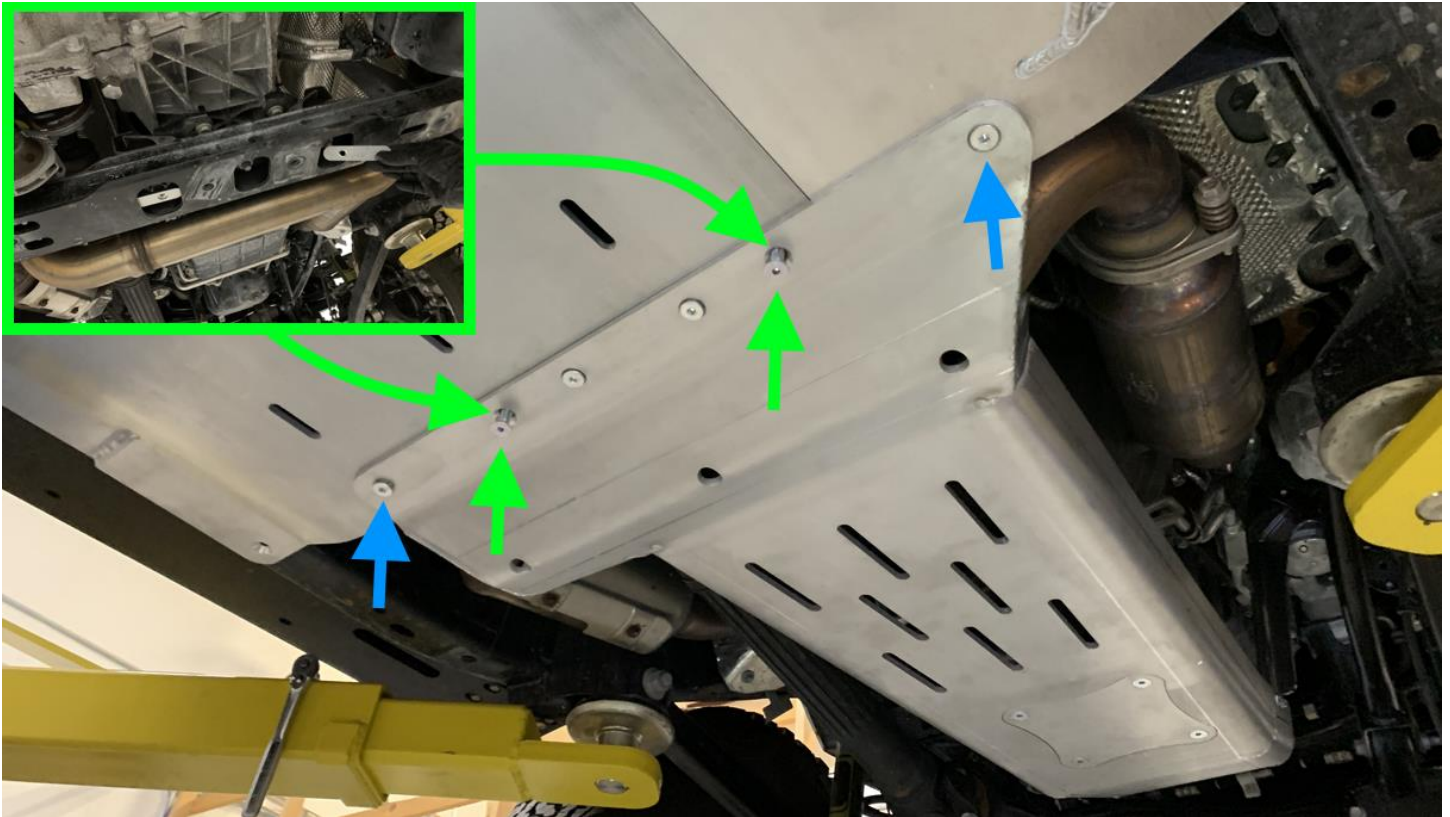
20. **Loosely** install driver side engine oil skid bracket onto inside surface of engine oil skid using 2 - 3/8" x 1" button head bolts, washers, and nuts. (Green)

21. Continue by **loosely** installing passenger side engine oil skid bracket onto inside surface of engine oil skid using 2 - 3/8" x 1" button head bolts, washers, and nuts. (Blue)

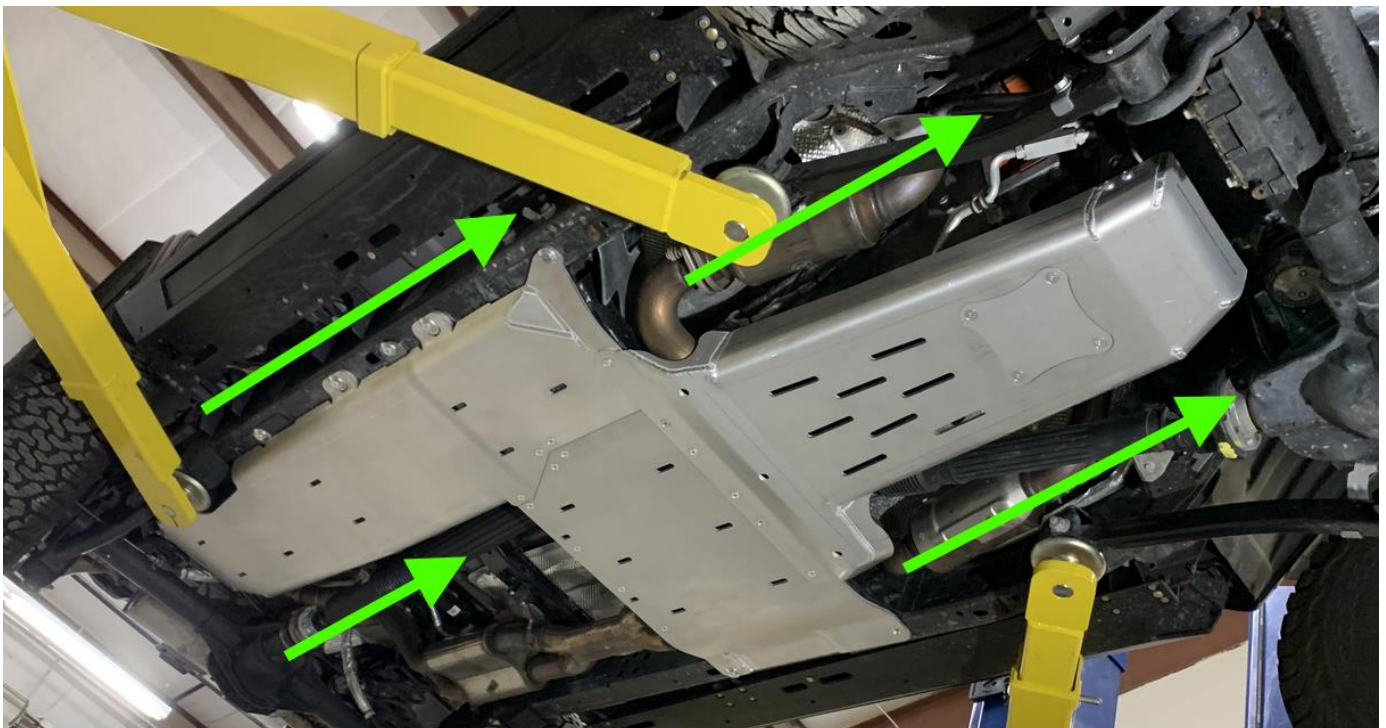


22. Continue by inserting 2 - 12mm x 40mm counter sink bolts through outer holes on engine oil skid as you line up the holes with the OEM crossmember **loosely** securing bolts and skid to crossmember. (Blue)

23. Continue by inserting 2 - 3/8" x 2" counter sink bolts through middle holes on engine oil skid as you line up the holes with the previously installed nut plates in the OEM crossmember **loosely** securing bolts and skid to crossmember. (Green)

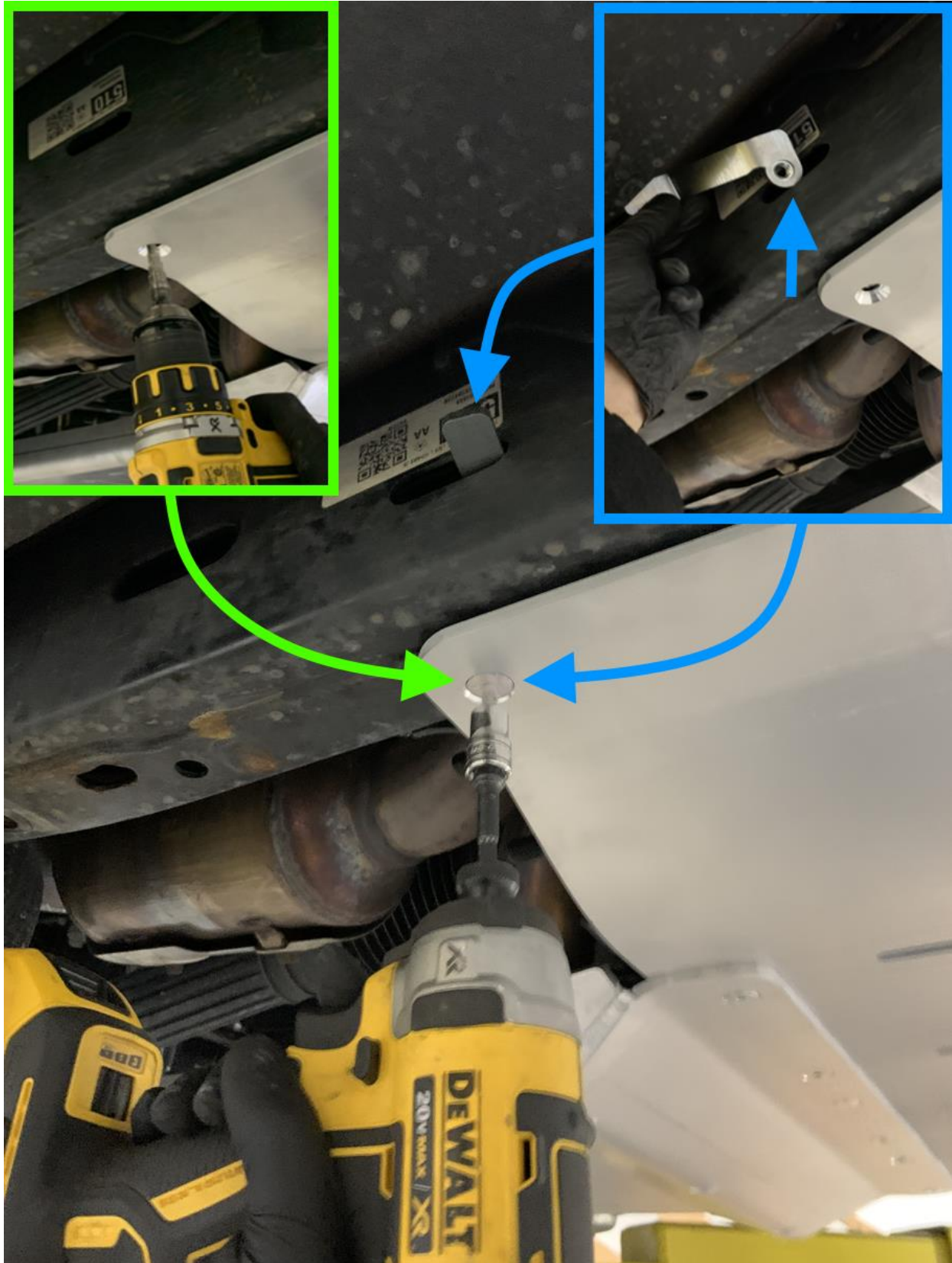


24. Starting from the rear of the vehicle while working your way forward to the front end, tighten/torque all skid and bracket hardware that was previously loosely installed on fuel tank skid, T-case skid, and engine oil skid. (Green)



25. Continue by drilling 3/8" hole into driver's side frame rail as shown below. (Green)

26. Install 3/8" driver side nut plate and 3/8 x 2" counter sink bolt through T-Case skid onto driver side frame rail as shown. (Blue)



**FINISHED!**