

PLAZMAMAN

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D22 Navara Installation Guide

INSTALLATION GUIDE



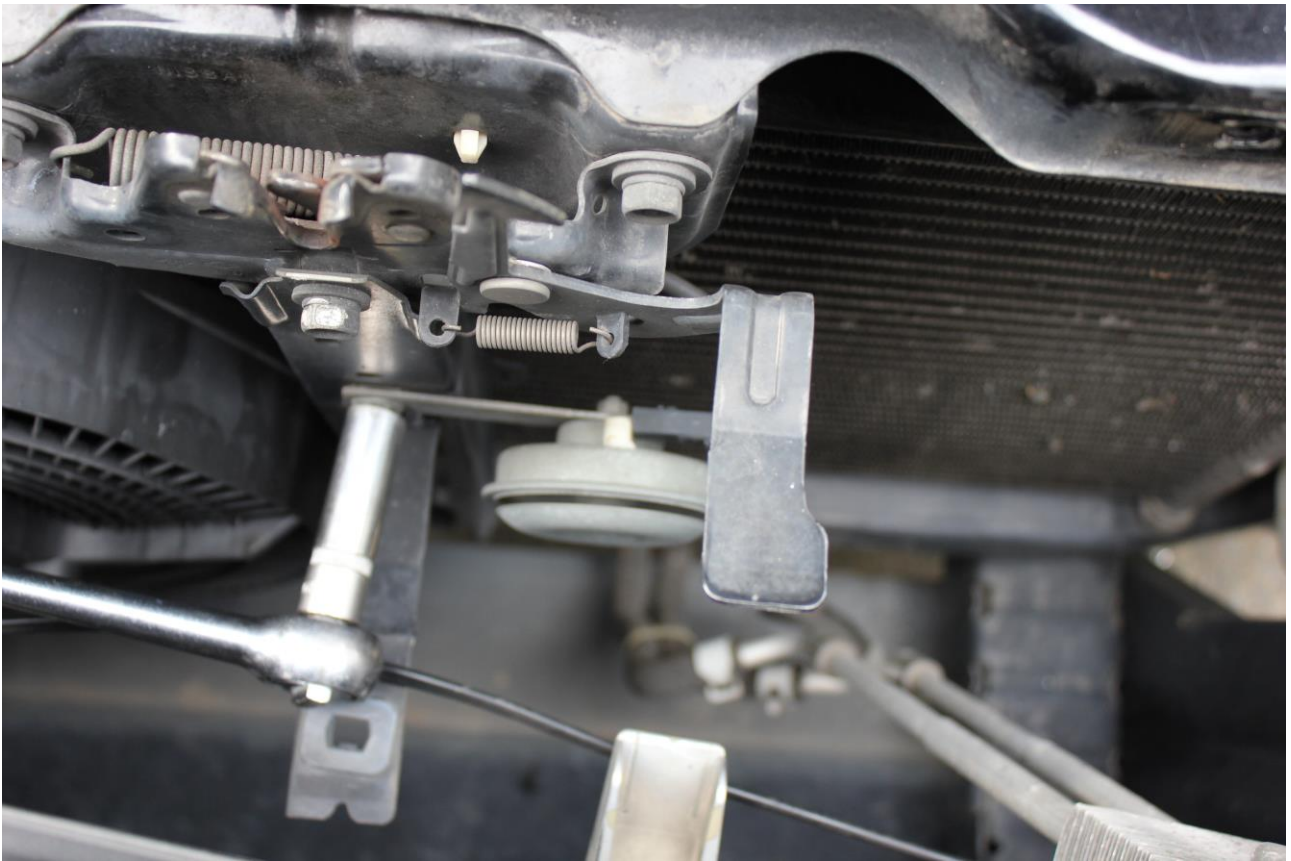
1. Carefully remove all OEM piping and unplug all sensors. Remove the OEM front grille, and any bull bar/bumper bar that might be on the vehicle. (Depending on your front bar layout and shape, in some instances the front bar can remain on the vehicle for fitting).



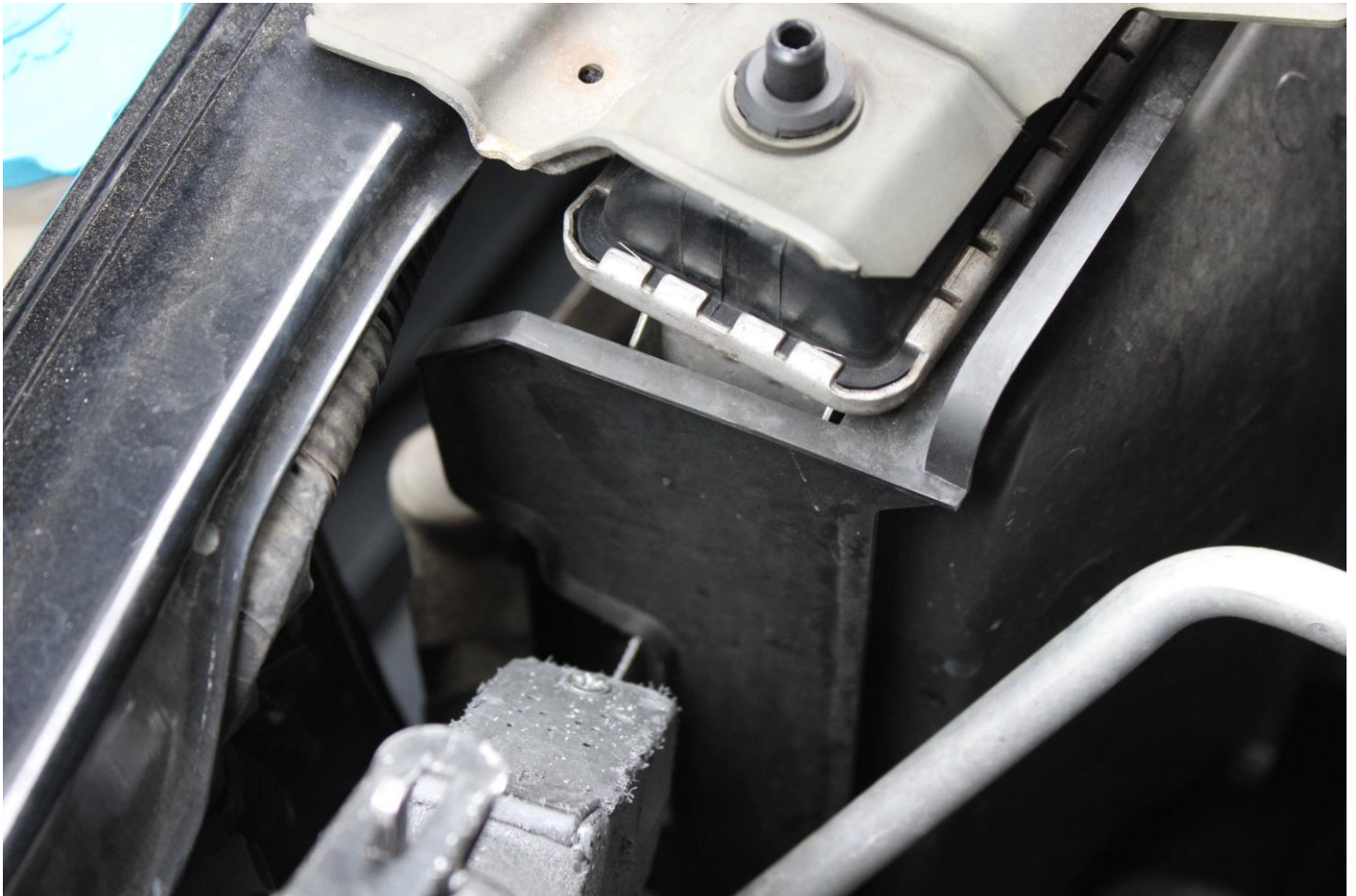
2. Once the grille is removed you will be able to access the intercooler location on the passenger's side. First, we need to move a few things out of the way to make your life easy.

3. Move the power steer cooler, horn and the plastic water bottle top as pictured below.





4. Using a small reciprocating saw or similar tool, you will need to now trim a small piece of plastic that will be in the way of the top intercooler exit. *Be careful not damage radiator or any critical part with the blade.*



5. TEST FIT OF INTERCOOLER. At this point you will need to test fit the intercooler and work out the route of the lower intercooler outlet. The intercooler outlet is aimed towards the passenger's side of the vehicle and a hole has to be drilled through bull bar upright if one is fitted. We have tried many other options in the design phase, but this one was the best way for flow and ease of fit. All aftermarket bars will require different notches and hole saw locations. See below a few examples. **68 -70mm hole saw recommended**





6. Once you have drilled the hole for the intercooler piping, you will need to remove a small piece of nonstructural metal to allow for piping to run past. See below picture for cut out shape.



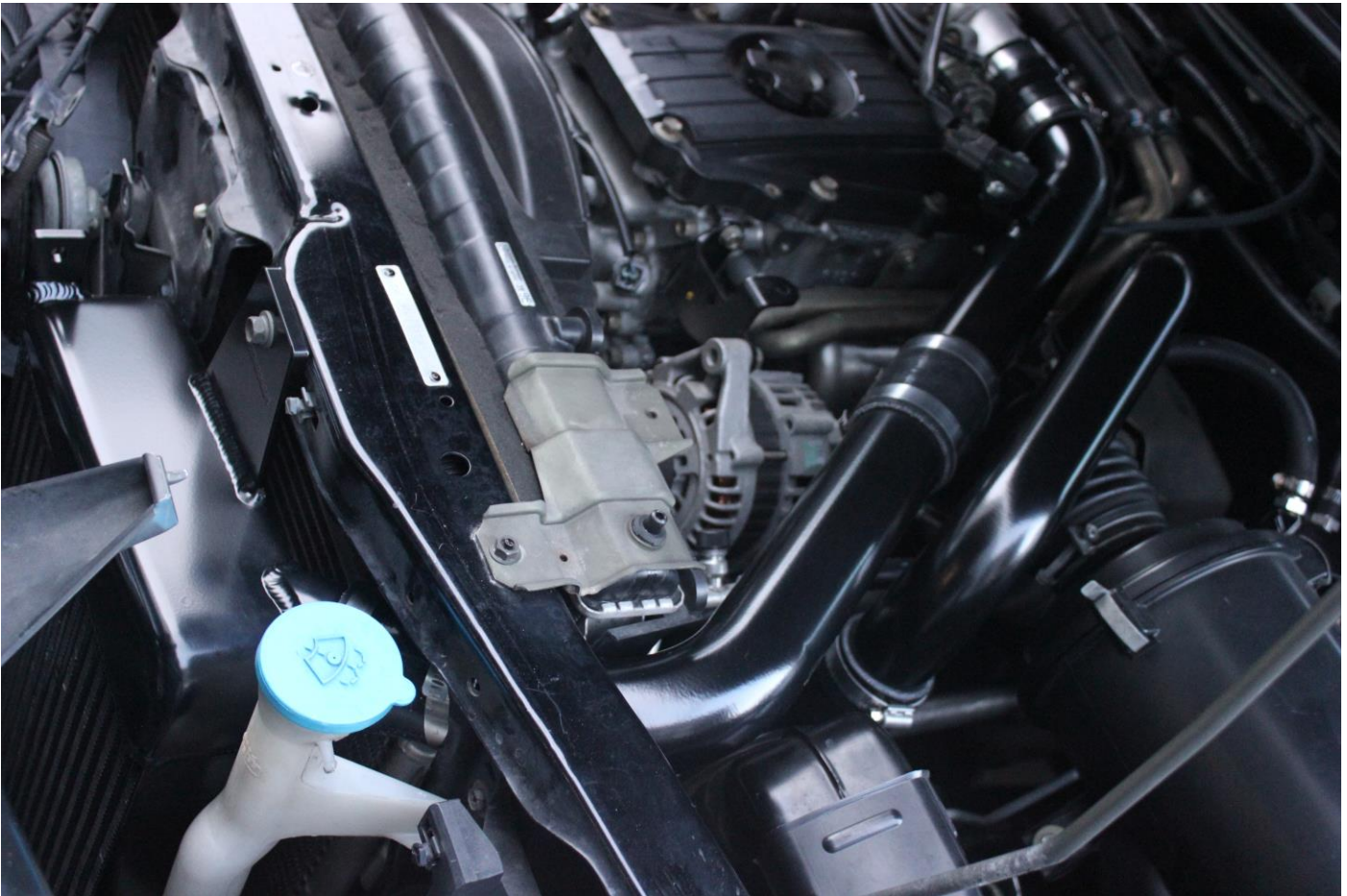
7. Now that all the major work has been done you are on the home stretch. Using the OEM bolts you have removed bolt in the Plazmaman intercooler into place.



8. Once intercooler is bolted into place you now can go ahead and fit the power steering cooler back onto the side of the intercooler. There is a mounting provision for this. You will need to loosen the bolts for the steering rubber mounts and bolt into place similar or as per the x2 pictures below.



9. Refit plastic bottle top back into place as per picture below.

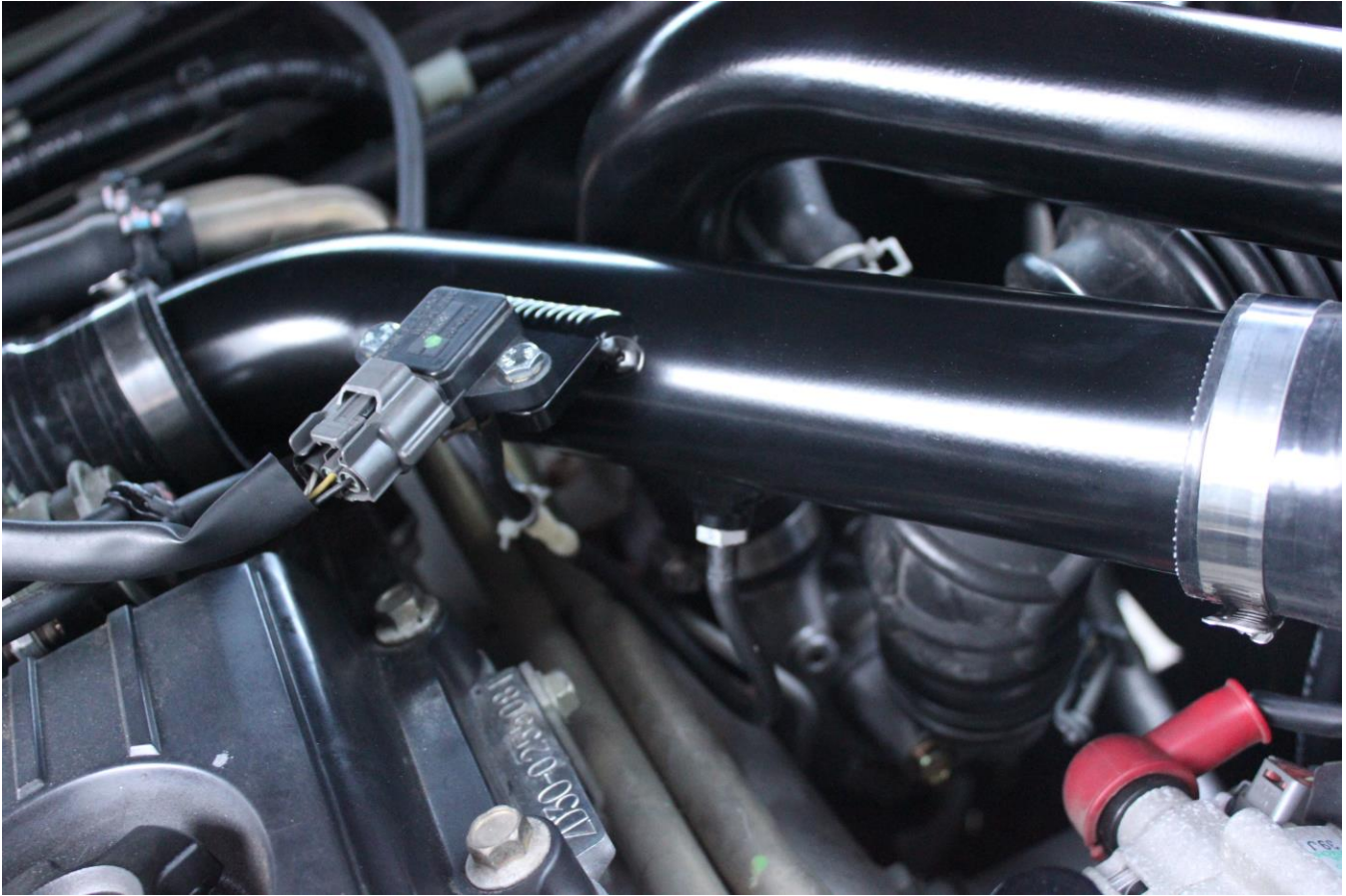


10. Piping can now be fitted. Both hot and cold side piping should be fitted in a way where it does not have a chance to rub against any metals as this could lead to issues later on. Once the lower piping is fitted and routed past the wheel section, you will need to test LOCK-TO-LOCK steering of the vehicle, to check wheel and tire clearance. This is critical for raised vehicles, or for vehicles with over size tires. See below some piping fitting pictures as a guide.





Re fit Boost sensor



11. Properly Tighten hose clamps and start vehicle, check for leaks. We highly recommend re-checking the torque on the hose clamps after a few days.
12. Now you are ready to test drive. We highly recommend that you get a tune and turn up fueling on pump. Added boost can now be safely added and this will assist in power and torque gains, which is helpful in towing situations. See below a few results from customers.

Torque Rear (N.M) [Cor'd]



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11av ■ Turnado 994111 @ 20W/DU ● Deseado 00 74U @ 100W/DU ▲ Estaca Enra 9A17U @ 20W/DU