AnroT安若特®

SUPERCHARGERS



Important Note

1. Before installing this turbocharger kit, please read the installation manual carefully, check the parts quickly and confirm that the kit is complete. If you find missing parts or damaged by transportation, contact your dealer immediately.

2. This supercharged kit is suitable for track use, do not use on ordinary roads, please comply with local traffic regulations.

3. This turbocharger kit is only suitable for the vehicle in factory condition. If the vehicle has been modified, please consult the dealer for technical support to ensure the smooth installation of the turbocharger kit.

4. This turbocharger kit is intended solely for power enhancement. For extreme off-road adventures in harsh environments such as racetracks, deserts, water-crossing terrains, or Gobi regions, users should implement original equipment upgrades for the intake system, engine lubrication, and cooling mechanisms. These include implementing waterproof intake measures, dust-proof sand protection systems, and enhancing cooling components in desert environments where engines endure prolonged high-load operation under extreme temperatures. Alternatively, consult your dealer for tailored technical support to ensure optimal engine performance.

5. The turbocharger kit was specially designed for this vehicle's factory condition. Any adjustment to the intake manifold, exhaust system, or other engine components after installation may adversely affect engine performance and may trigger the "Check Engine" light.

6. Correct installation of this turbocharger kit requires general automotive mechanical knowledge and experience. If not, contact your dealer to arrange for a professional to install it.

7. Before installing the supercharger kit, run at least one tank of premium fuel (95# gasoline or higher) to prevent engine damage caused by knocking caused by running the supercharged engine on lower octane fuel.

8. Before installing the supercharger kit, please first eliminate the fault code of the original car. In order to avoid the vehicle in a fault protection state, affecting the engine computer work, and thus affect your driving experience, or cause unnecessary damage to the engine.

9. Perform a basic engine check before installing the supercharger:

* Replace air filter
* Replace fuel filter according to mileage
* Use brand synthetic oil
* Change the oil filter

Check whether the three-way catalytic converter is blocked or damaged

Check spark plugs

10. It is recommended to replace the spark plug of the original car before the first use, and choose a spark plug with higher calorific value (one degree higher than the original car, and choose the genuine one).

11. Before installing the supercharger kit, make sure the engine is cooled and protect the

exterior of the vehicle as necessary.

12.It is recommended to clean the throttle to prevent engine idle vibration.

13.The water cooling circulation system of this product does not contain antifreeze, users must choose the corresponding specification antifreeze according to the use environment.

14. Installing this turbocharger kit may invalidate the original vehicle's 2-year/60,000 km warranty. If you proceed with installation, you acknowledge that you are aware of this.

Catalogue

Safety Precautions

Before Continuing to Install, Please Read the Important Safety Precautions and Warnings Carefully!

Correct disassembly, installation methods and procedures are critical to the personal safety of kit installers. Failure to follow these precautions may result in personal injury or death due to improper installation.

1.Always wear safety glasses to protect your eyes

2. Set the ignition switch to OFF and disconnect the battery to prevent accidental contact causing short circuit and battery damage

3. Be sure to use the parking brake when working on a vehicle

4.Block the front and rear tire surfaces to prevent accidental movement of the vehicle

5. Only operate in well-ventilated areas and avoid exposure to carbon monoxide

6.Do not smoke or use flammable materials near the fuel system

7.Keep hands and other objects away from radiator fan blades

8.When the engine is running, keep yourself and your clothes away from moving parts

Section A-Inspection/removal of parts of the original vehicle

The following section will guide you through the removal of original vehicle parts. Some fasteners and parts will be reused, so be careful when removing fasteners and parts.



1. Check that the original factory is working properly. Use a regular decoder to read the OBD and check for any faults in the original factory.



2. Remove the negative wire harness of the battery (avoid ironing during installation).



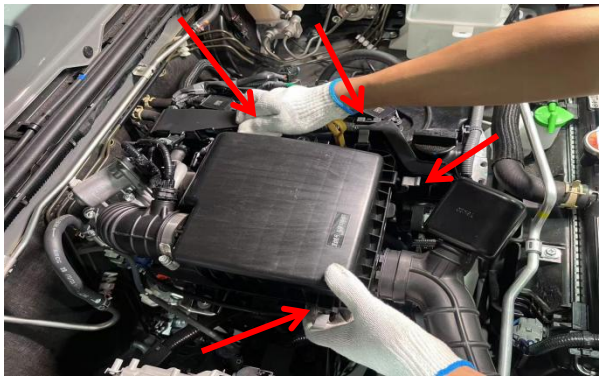
3. Remove the air guide duct fixing bolt.



4. Windbox connection throttle hose clamp is loosened



5. Press the buckle-remove the intake temperature sensor wire harness plug.



6. Push open the bellows clamps (the four clamps indicated by the arrow)



7. Remove the top cover of the intake air box.



8. Remove the air filter element of the intake air box.





9. Remove the fixed bolt of the lower shell of the air intake box (2-1) 10. Remove the fixing bolts of the lower shell of the intake air box (2-2)





11.Carbon tank solenoid valve wire harness clip Remove with lever tool 12. Take down the intake bellows base





13. Carbon tank solenoid valve wire harness clip Remove with lever tool 14. Press the snap to remove the carbon can solenoid valve snap.





15. Find the vacuum tube as shown in the figure and remove it.

16. Remove the exhaust pipe spring clamp with a carpenter's pliers.





17.Engine exhaust pipe removal

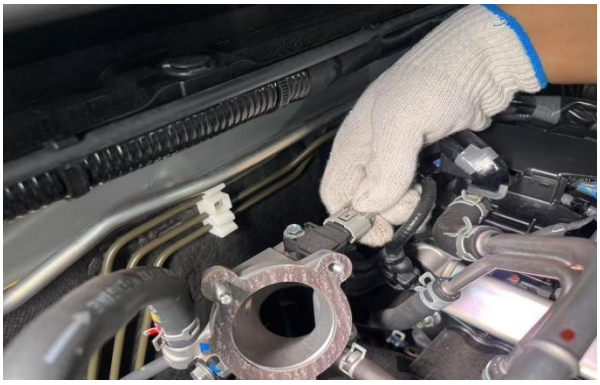
18. Use the 10mm socket tool to remove the throttle fixing bolt





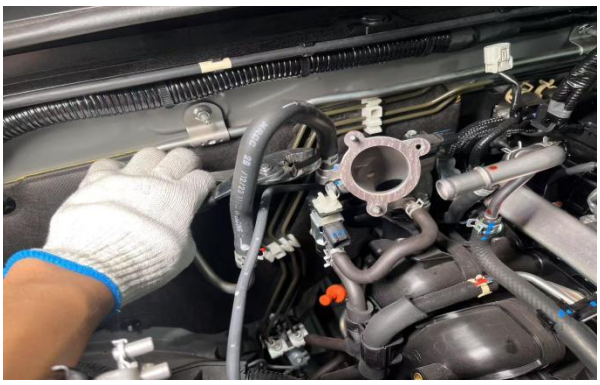
19.Press the buckle to remove the throttle cable buckle.

20. Remove the electronic throttle





21. Locate the pressure sensor on the original vehicle, press the clip to remove the wiring harness 22. Remove the intake air box mounting bracket base





23. Remove brake vacuum hose

24. Remove the electromagnetic valve connection pipeline





25. Remove bolts from the throttle adapter base mounting bracket and remove the fixed bracket 26. Remove the original vehicle solenoid valve mounting bracket.





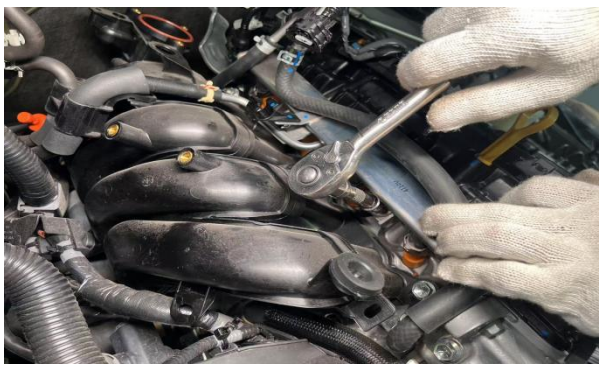
27.Remove three fixed bolts from the throttle adapter base 28. Remove throttle connection base





29. Remove the fuel injector wiring harness connector plug
30. Remove wire harness retention clips





31.Remove the fuel transfer pipe clip and remove the connecting pipe injector rail fixing bolt (2-1) 32. Remove the fuel



33. Remove the oil rail fixing bolt (2-2) of the injector



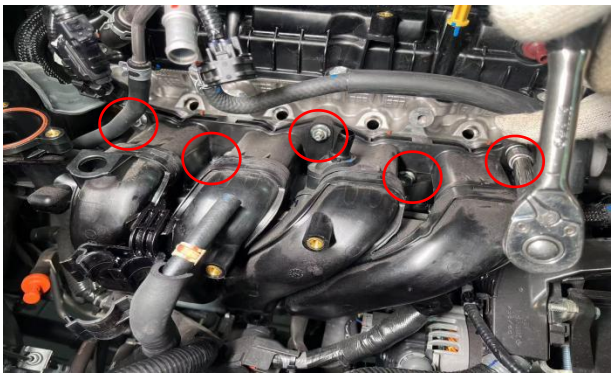
34. Remove the injector rail



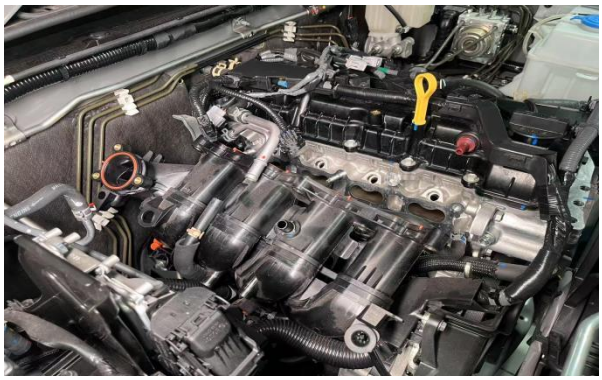
35.Use a cleaning cloth to block the injector hole on the intake manifold



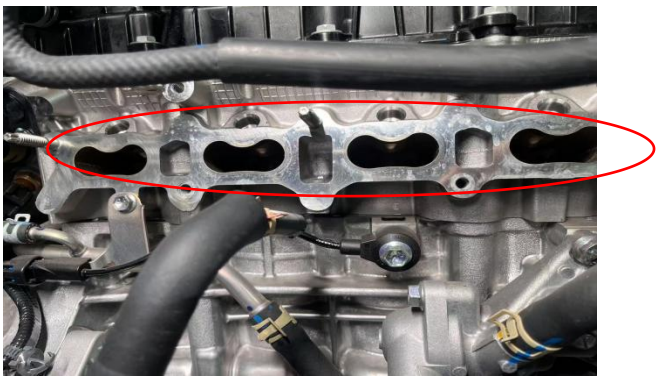
36. Remove the clamps securing the pipe



37. Remove the intake manifold fixing bolt



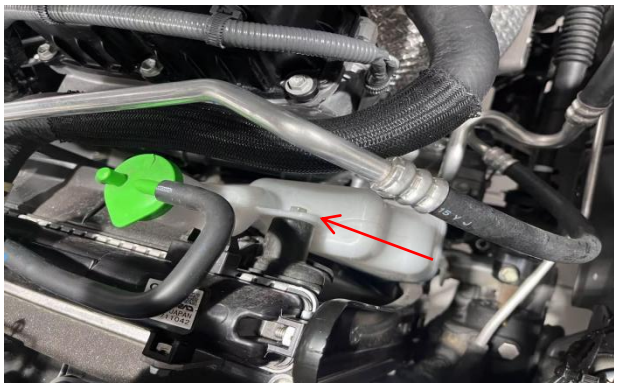
38. Remove the engine intake manifold



39. Seal the engine inlet cylinder port to prevent debris from entering



40. Remove engine belt guard screws





41. Remove the engine side dipper. Remove the securing bolts cup

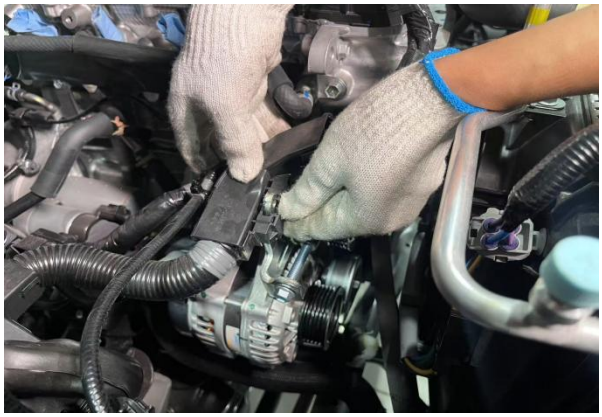
42. Remove the engine dip

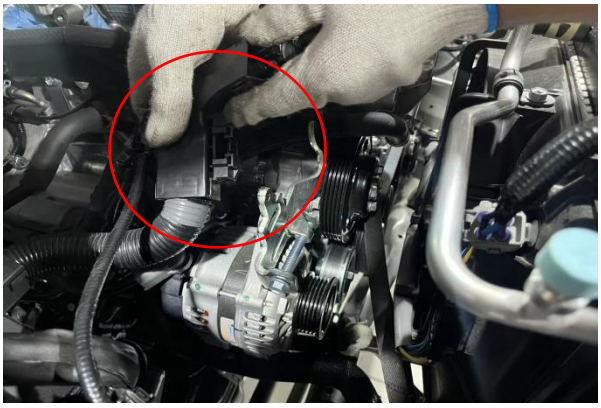




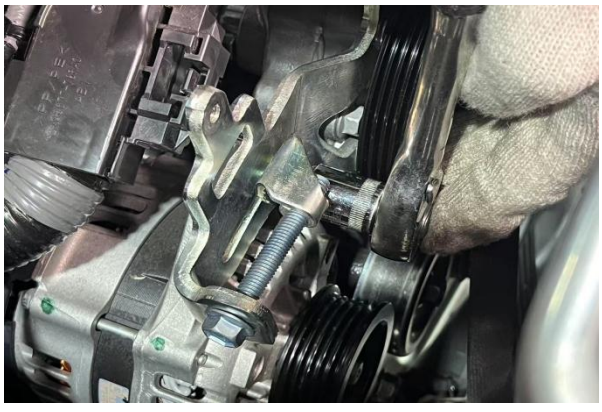
43.Engine belt guard screw removal

44. Removal of screws on the bottom engine belt guard





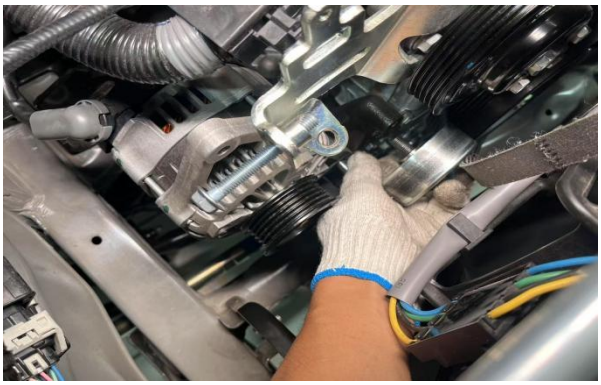
45. Find the engine wiring harness clip, press the clip to remove the wire harness and fix it 46. Remove the engine wiring harness fixing housing clamps





47.Generator intake fixed bolt removed

48. Remove the fixing bolts

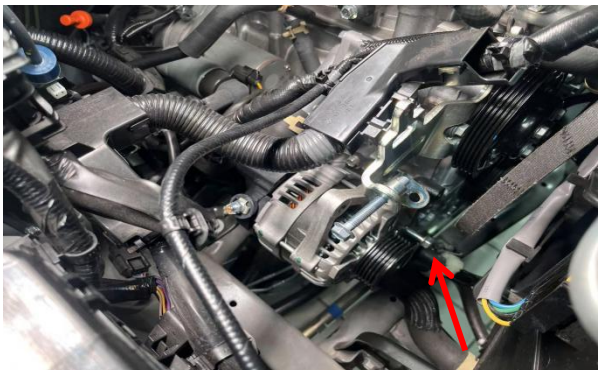




49.Excessive disassembly of generator belt pulley

50. Remove the generator control plug





51. Remove the positive wire harness fixing bolt of the generator

52. Removal of fixing bolts at the lower part of generator

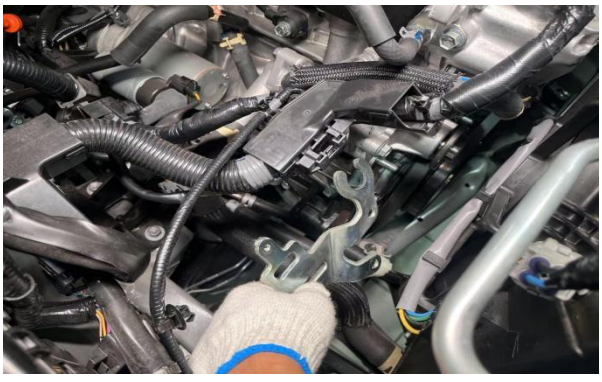




53.Remove the original generator from the Jimny 1.5L

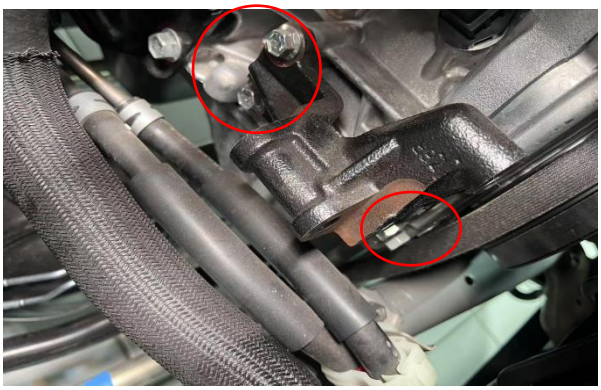
54. Remove the mechanical pump wheel





55. Remove the bolts of the manual tensioner bracket of the original vehicle

56. Remove the manual tensioner bracket





57.Remove the bolts of the fixed bracket of the generator

58. Remove the fixed support for the generator





59.Remove the plastic clip of the circle, pull out the middle net in the direction of the arrow 60. Remove the fog light plug on both sides of the middle net

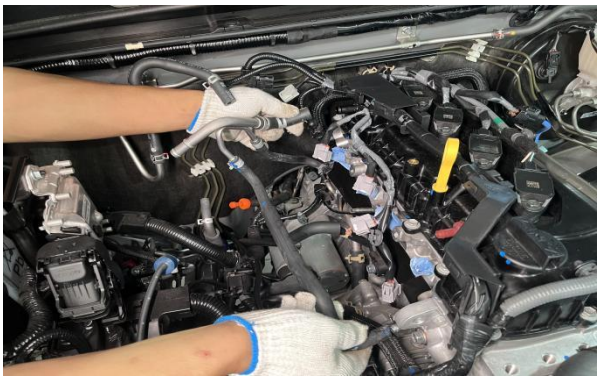




61.Remove the fixed clip of the wind cover in the middle

62. Remove the central net air intake



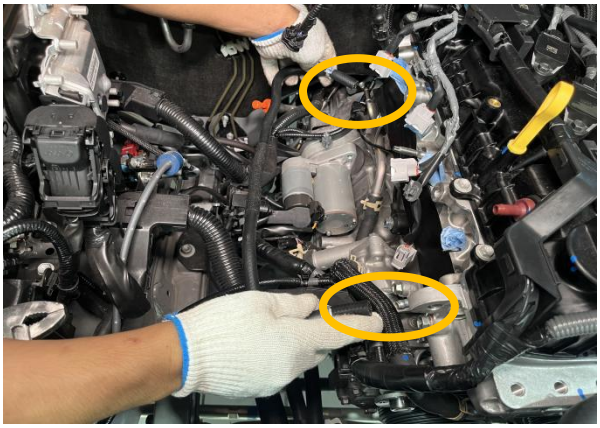


63. Remove the bolts of the fixed horn on the original car

67. Remove throttle connection pipe

Intensifier Assembly Installation

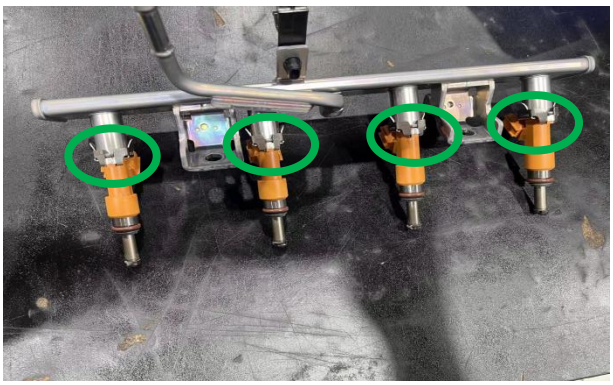




1 Remove · Replace the engine radiator hose

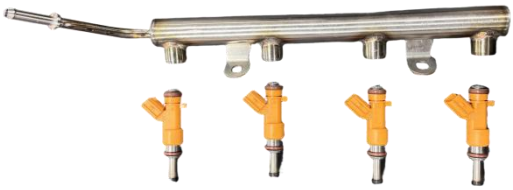
2. Install engine radiator hoses to the circle indicator

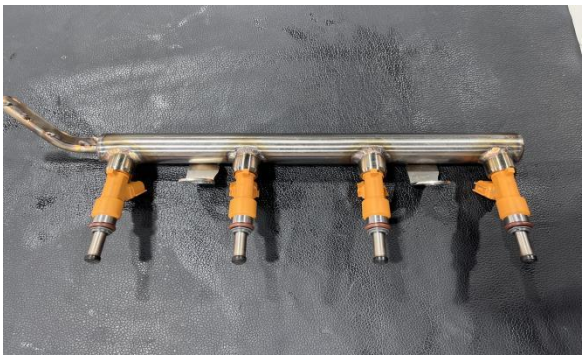




3.Use a zip cord to secure the hot water pipe

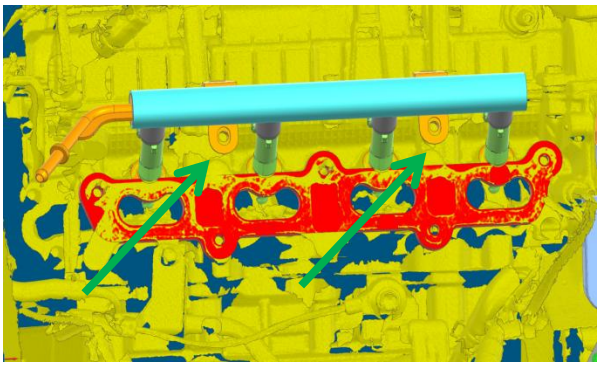
4. Remove the nozzle clip and remove the original nozzle





5. Clean carbon deposits from the fuel injector nozzle, inspect and keep the fuel injector and rail dry. 6. Apply grease and install the fuel injector onto the modified rail in a clean state.

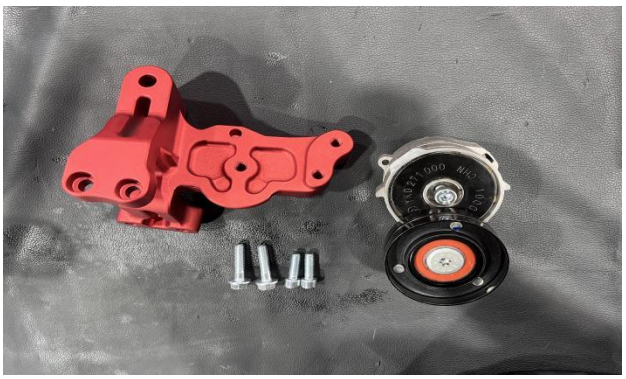




7 Install the injector to the oil hole of the engine cylinder head at the arrow (original oil rail screw)

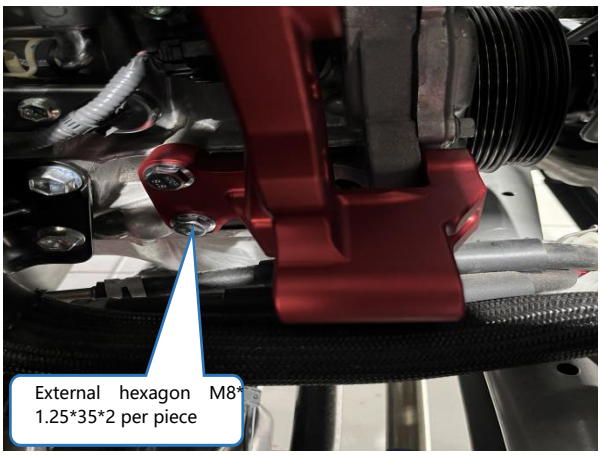
8. Install oil rail fixing screw





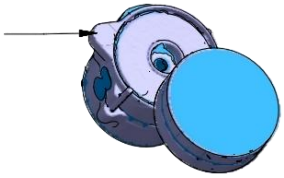
9. Fuel fuel lines according to the blue arrow (note that the fuel lines are from harness 10. Remove the generator mounting bracket, pass through the tensioner, and check for possible wear on the fuel lines)

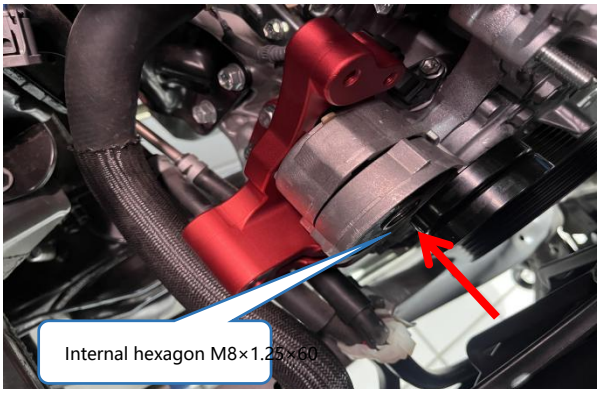




11. Install the generator conversion bracket to the crankshaft wheel side

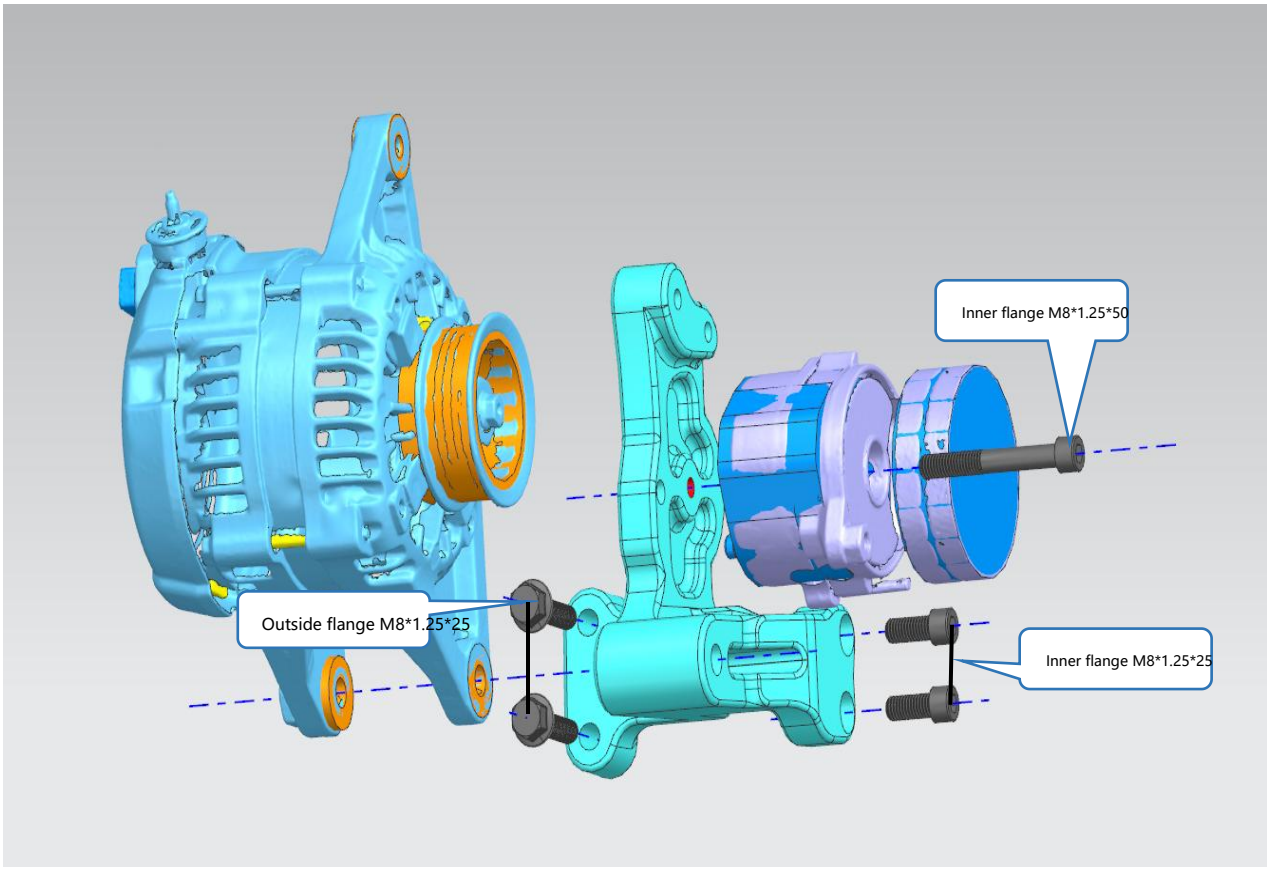
12. Install bolts on the other side of the generator transfer bracket



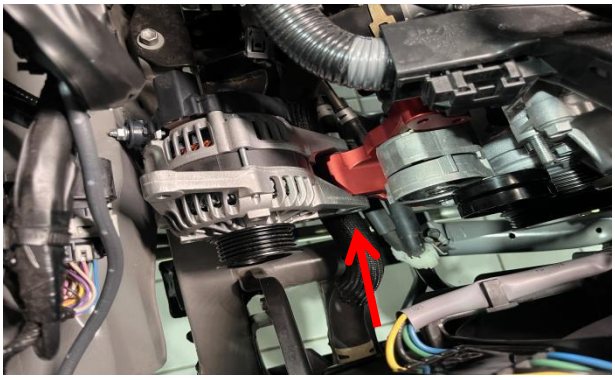


13. Remove the turbocharger 专用张紧er

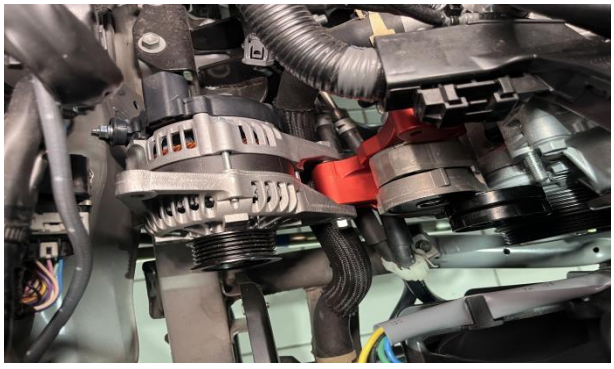
14. Install the tensioner to the generator replacement bracket and lock the tensioner fixing bolts



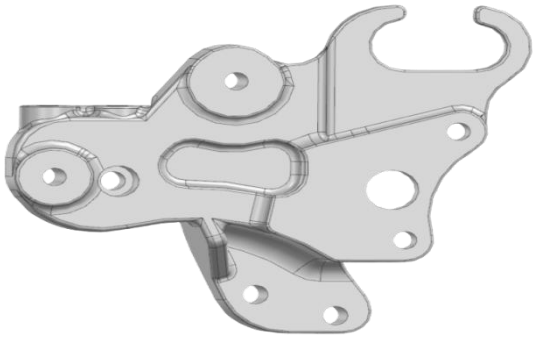
15.3D diagram of generator conversion bracket installation



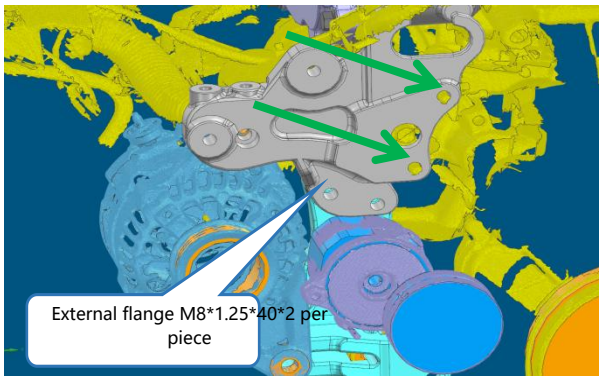
16. Remove the original generator and install it on the conversion bracket



17. Do not tighten the original screws before installation



18. Remove the idler panel bracket



19. Install the neutral wheel panel fixing screws (use OEM screws at the green arrow)



20. Install the bolts of the fixed bracket on the generator (lock all the generators set bolt)



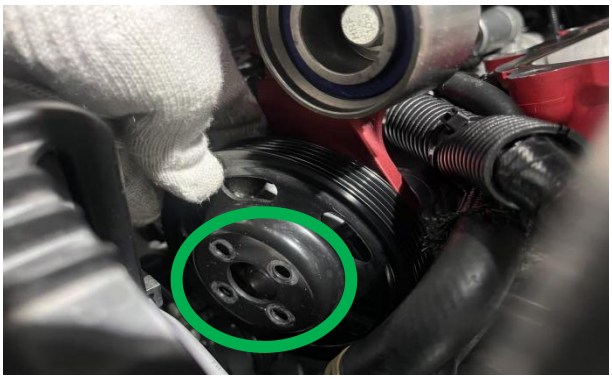
21 Install the positive wire harness of the generator



22. Install generator control wiring harness plug

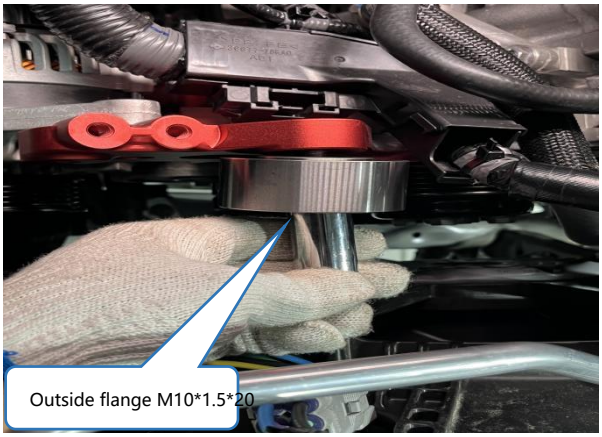


23 Remove the original mechanical pump wheel

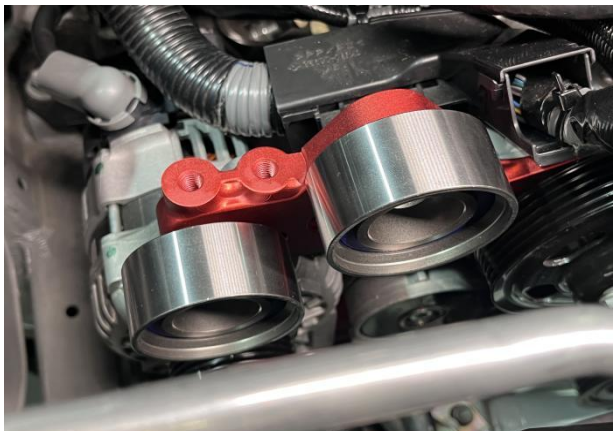


24. Install the original factory water pump wheel, use the original factory water pump screw 25. Remove the turbocharger belt transition wheel (m6x10mm) from the turbocharger kit

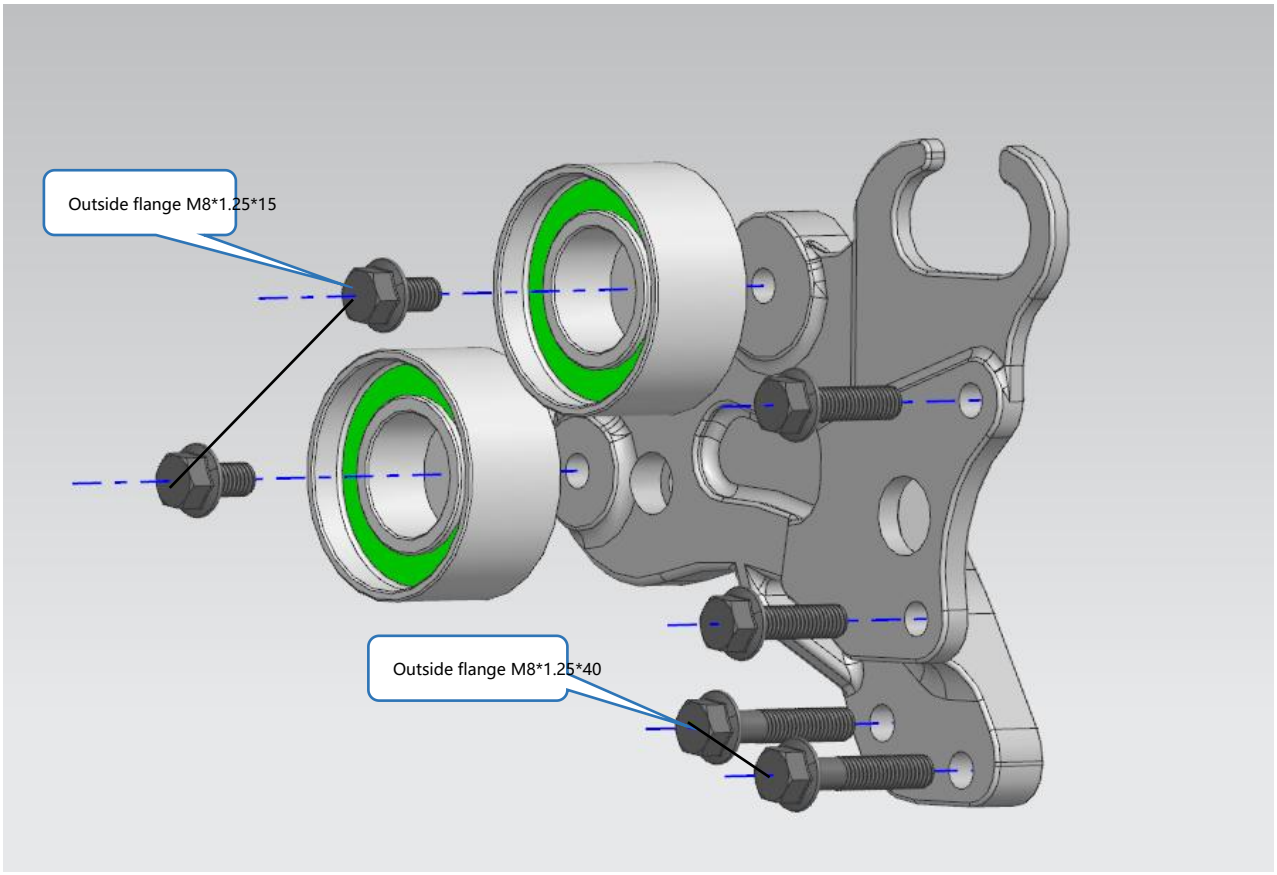




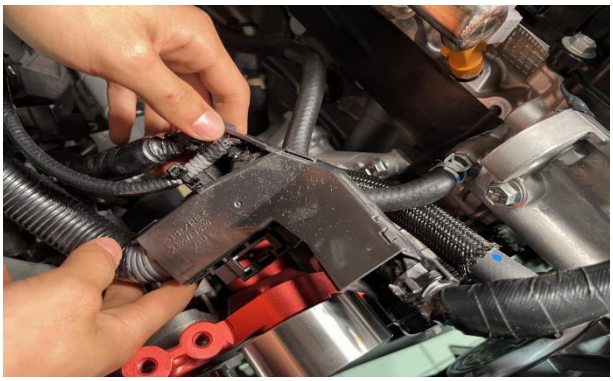
26. Install belt transition wheel

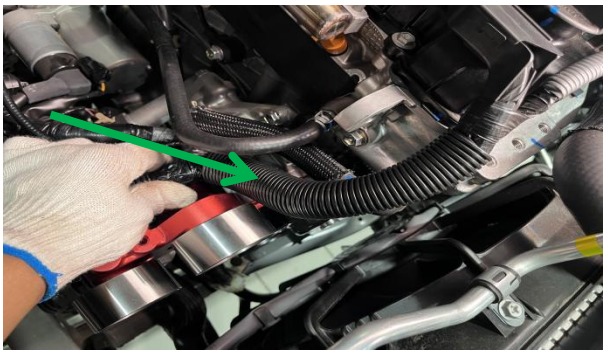


27. Install left and right guide pulleys for the belt



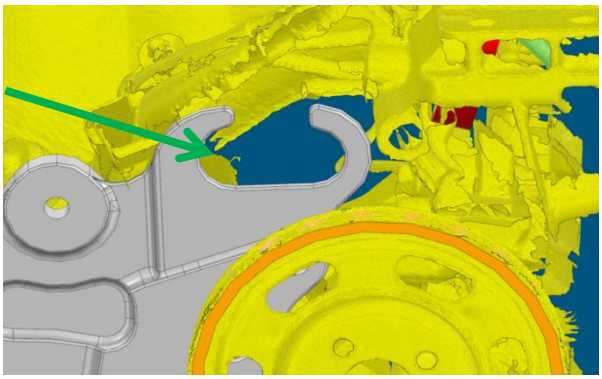
28.3D schematic diagram of inertial panel assembly

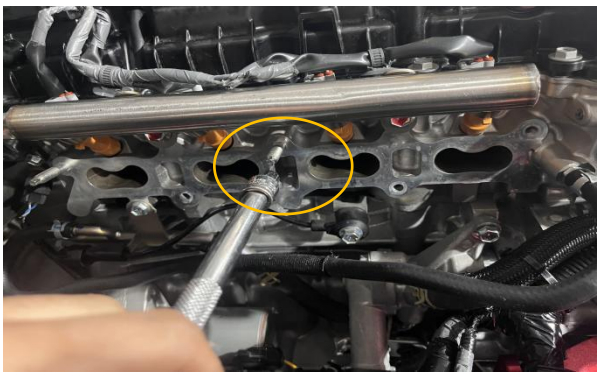




29.Engine main line housing clip removed

30. Wrinkle sleeves were applied to the harness and rewound with electrical tape



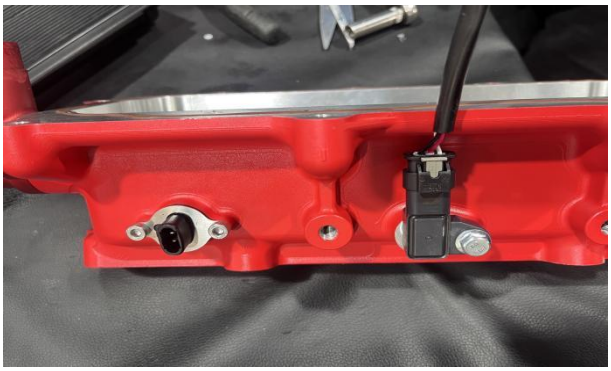


31.The radiator hose and wiring harness are stuck in the idler wheel bracket

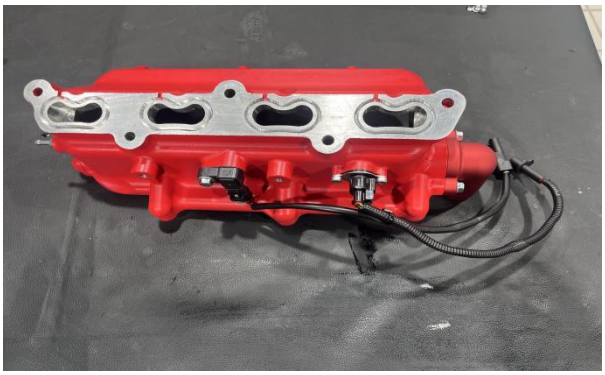
32. Remove the double-ended screw at the engine cylinder port



33. Install the removed double-ended screw to the circle



34. Remove the supercharger housing and install the intake pressure sensor.



35. Schematic diagram of sensor installation (3D diagram)

36. Installation of intake pressure, intake temperature sensor and extension harness



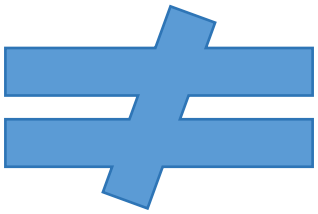


37.Install the turbocharger intake chamber

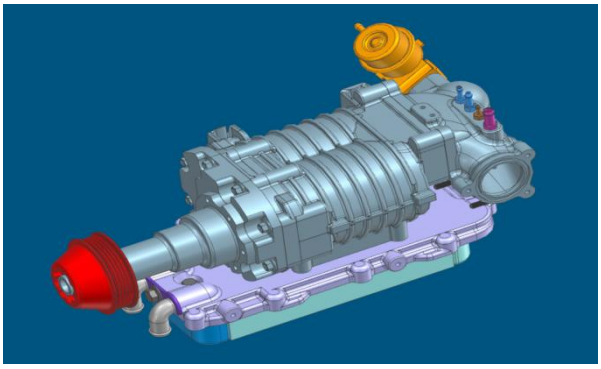
38. Installation of supercharger chamber fixing bolts



39.Plug in the temperature sensor plug



40. This step cancelled

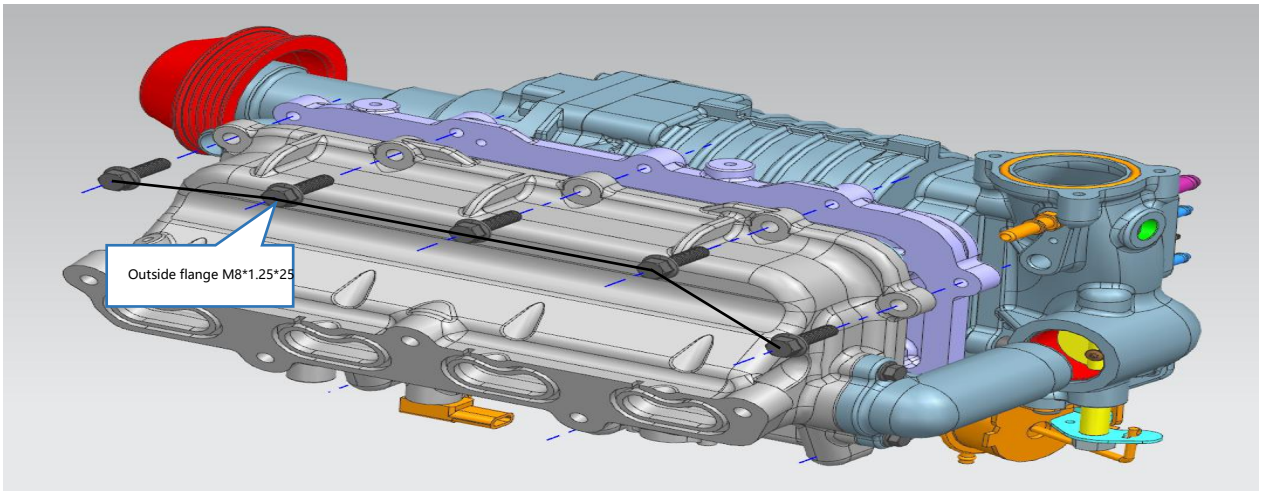


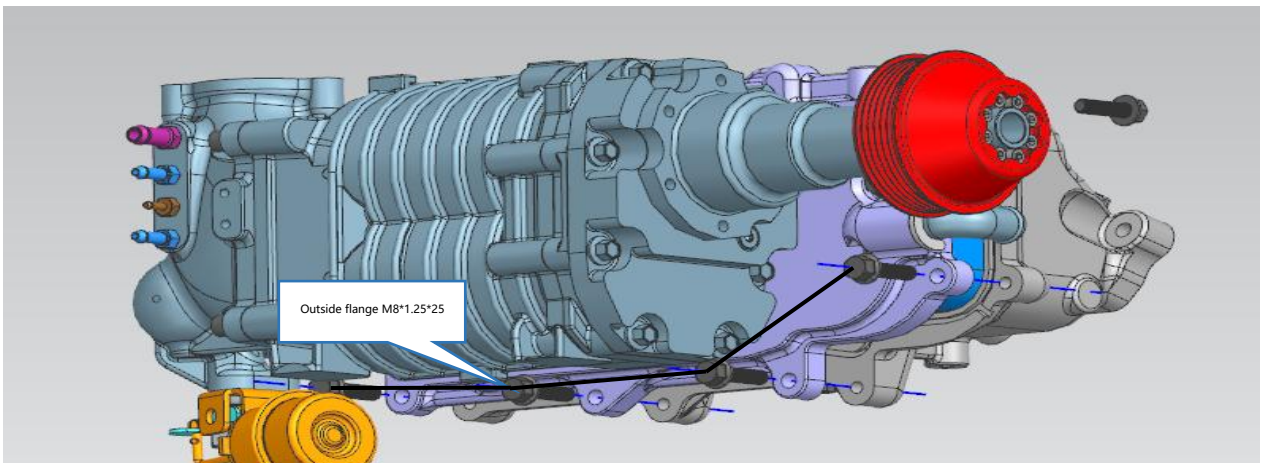


41.Remove the turbocharger body assembly

42. Installation of turbocharger assembly

Outside flange M10*1.5*20





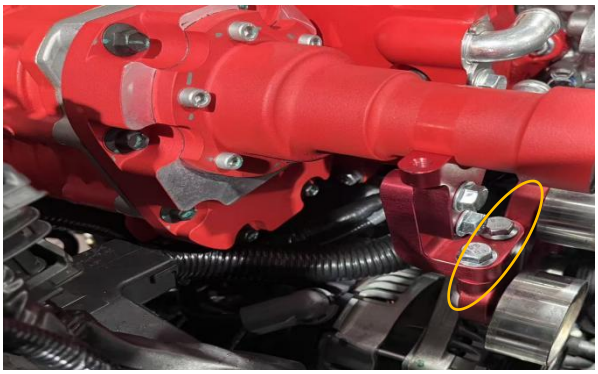
43.Schematic diagram of turbocharger body installation





44.Remove the turbocharger support bracket

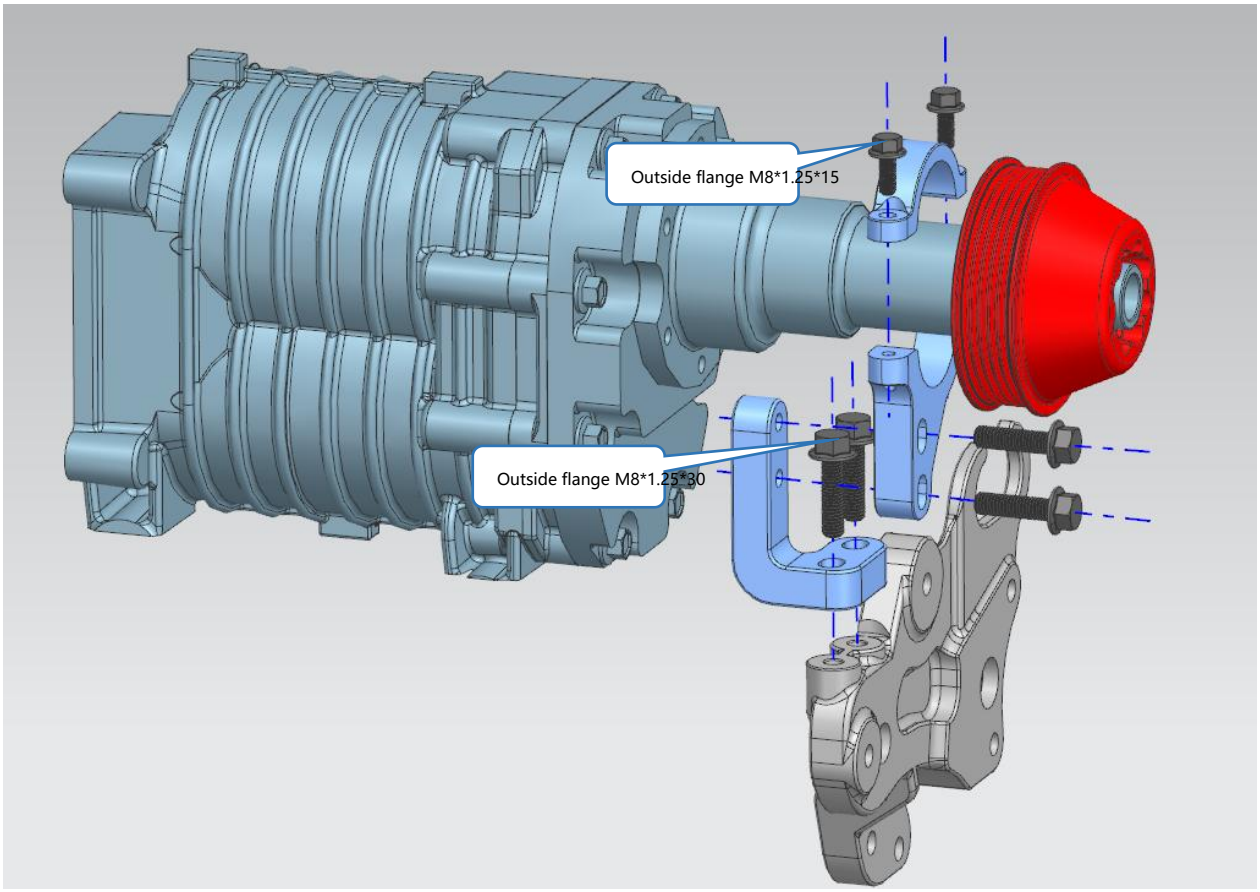
45. Assemble the turbocharger bracket as shown





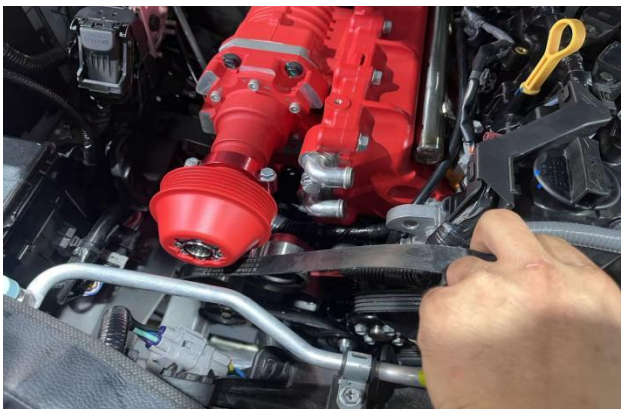
46. Install the support bracket to the idler wheel panel

47. Tighten part of the supercharger bolts



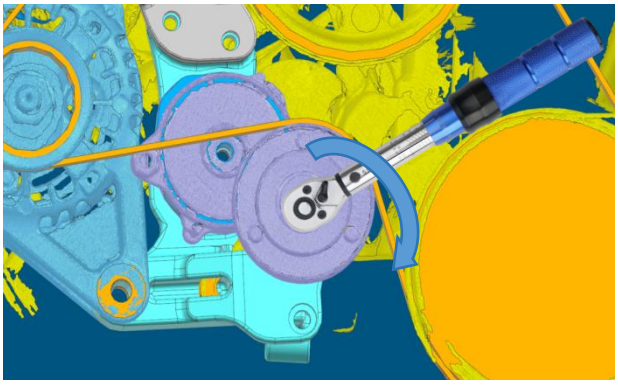
48.3D diagram of turbocharger support bracket installation

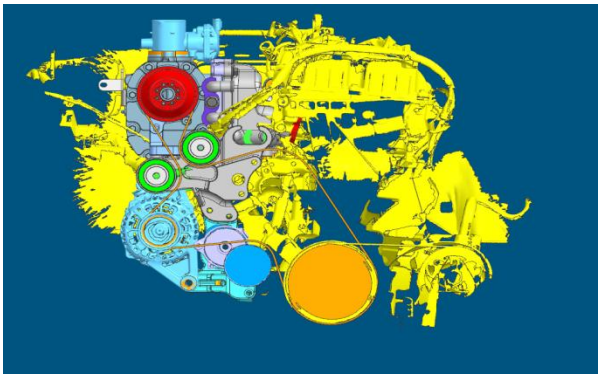




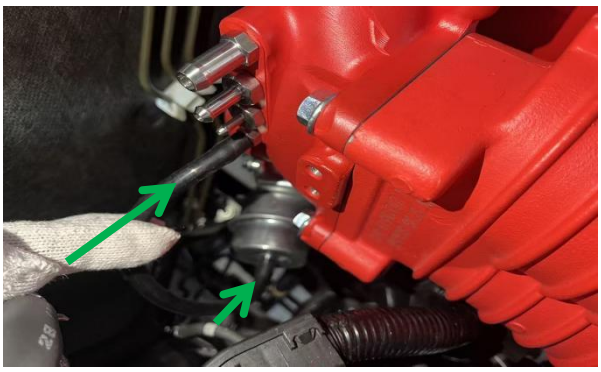
49.Remove the turbocharger belt

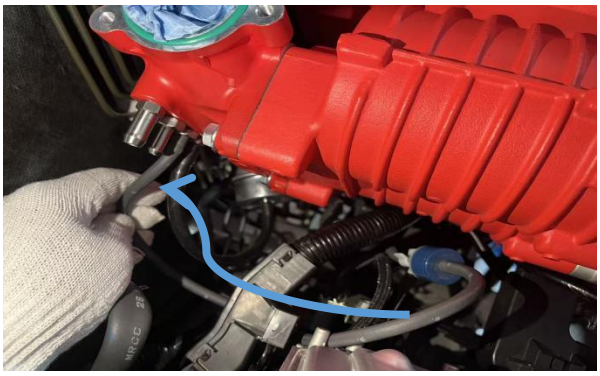
50. Install turbocharger belt





51. (Note the location of the tool and the direction of movement) 52. Schematic diagram of turbocharger belt installation





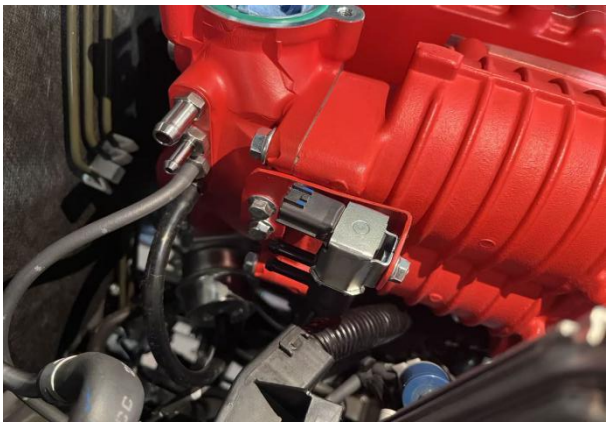
53.Schematic diagram of arrow connection of pressure relief valve vacuum tube 54. Arrow diagram of vacuum connections

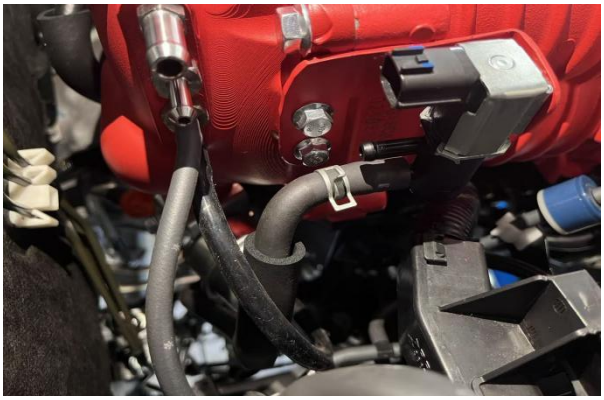




55.Carbon tank solenoid valve fixed connection accessories

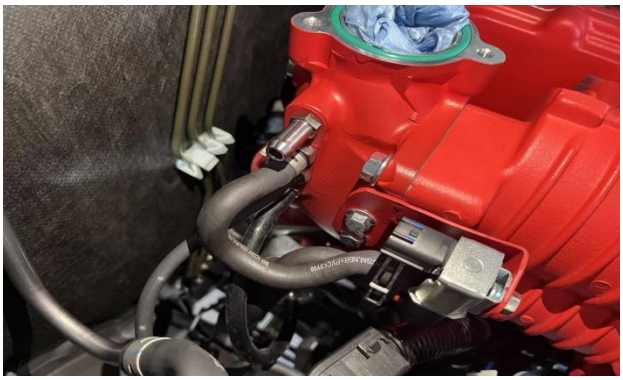
56. Installation of solenoid valve mounting bracket





57.Install carbon tank solenoid valve

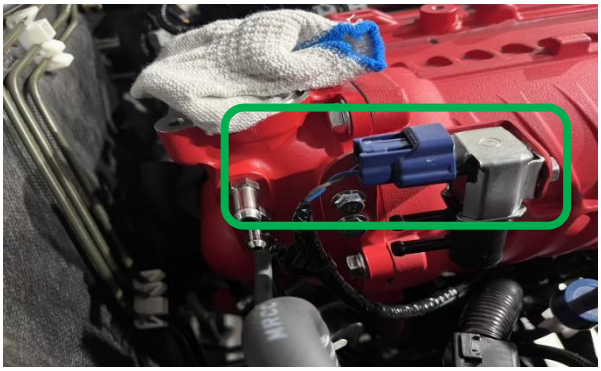
58. Side body solenoid valve tube connection

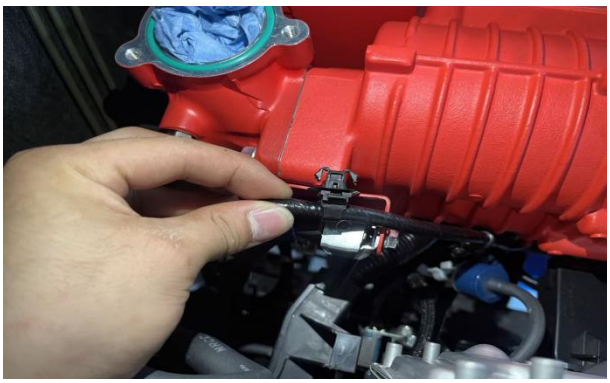




59. Electromagnetic valve tube supercharger intake elbow

60. Vacuum brake line fixed connection

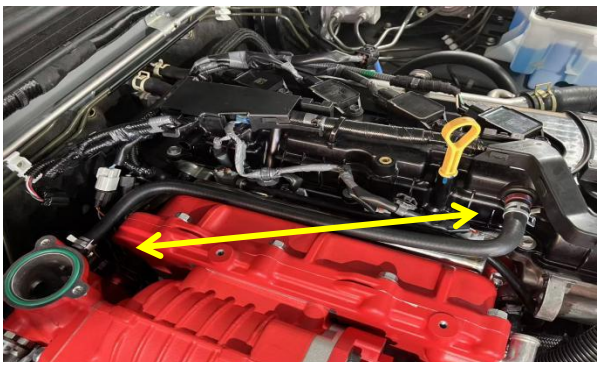




61. Install solenoid valve wiring harness plug

62. Install wiring harness clamps (later replacement image)





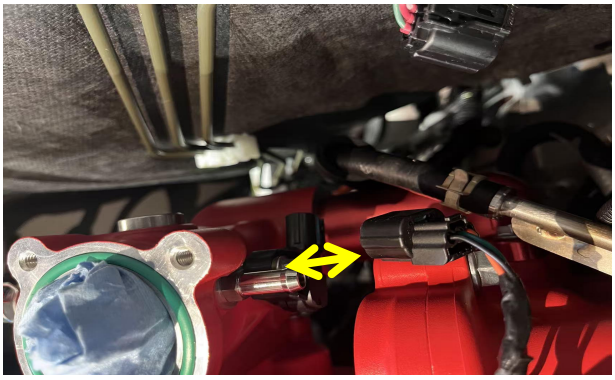
63. Remove the exhaust pipe

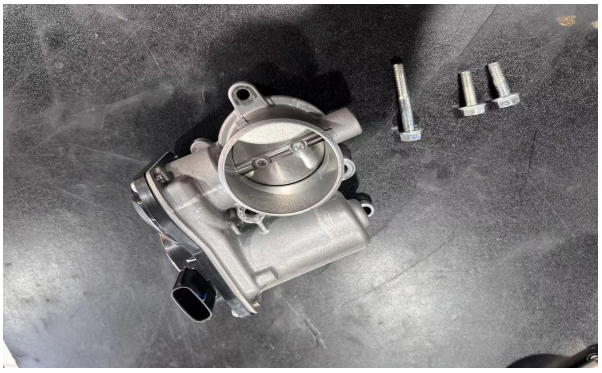
64. Install the valve cover to connect the exhaust pipe



65. Remove the intake pressure sensor extension harness

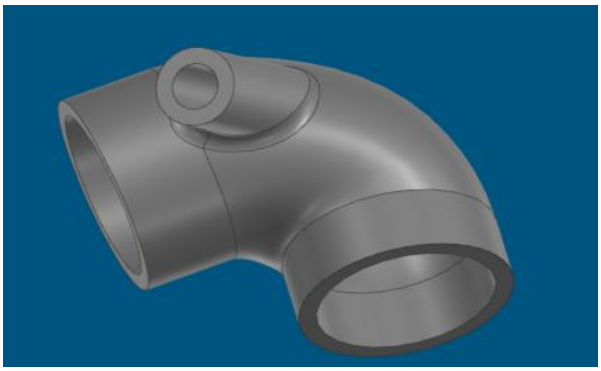
66. Connect the original factory intake pressure sensor to the wire harness extension (wire harness section)





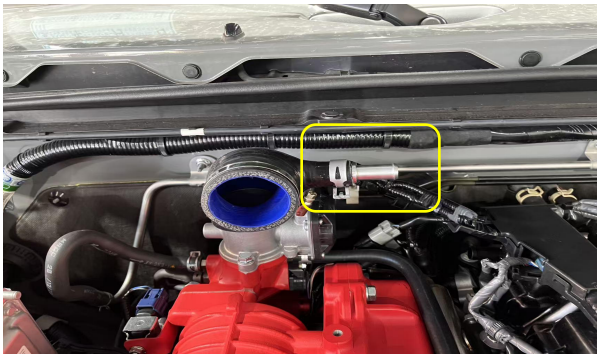
67. Connect the original air intake pressure sensor for wire harness extension (sensor 68. Remove the turbocharger throttle screw section)





69. Install throttle body to connect turbocharger, and reinsert the original factory wiring harness plug 70. Remove throttle connection intake air box hose





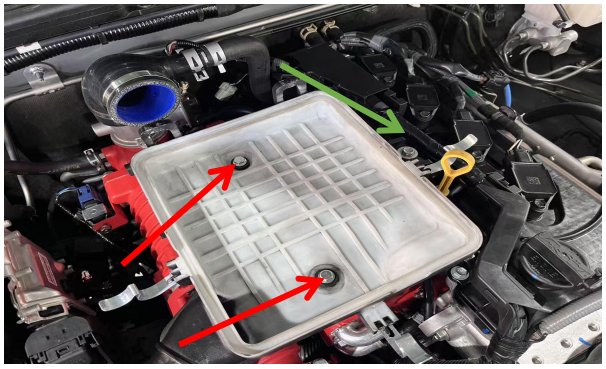




73.Remove the air bellows exhaust gas connection pipe
74. Installation of exhaust pipes



75.Remove the bellows intake base



76. Inlet base fixation, green arrow uses OEM screws, red arrow uses (external flange m6x1.0x20)



77.Install the air filter element



78. Installation of air filter top cover for the wind box



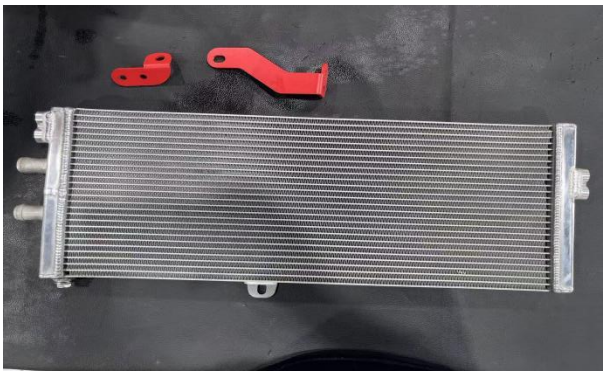
79 Fasten the bellows filter clip, and tighten the silicone tube fixing clamp

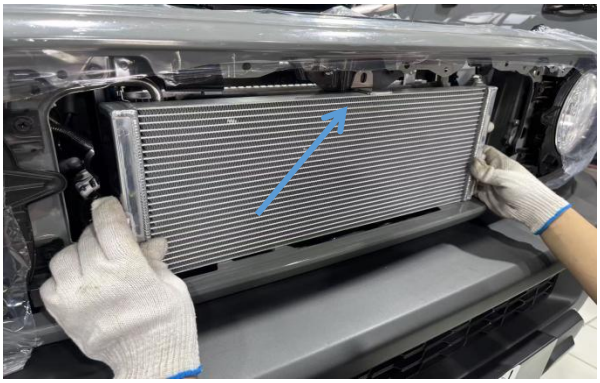


80. Remove the air intake box guide



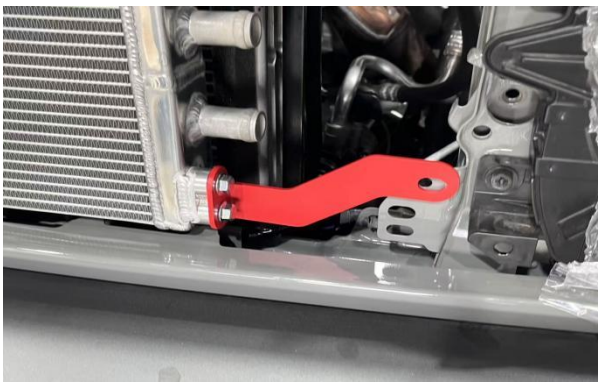
81.Install the air box and connect the duct to the air inlet





1.Remove water tank and install accessories

2. Install the hot water tank for the lock nut (the screw gap at the fixed arrow)





3 Install the lower right fixed bracket of the water tank

4. Install the lower left fixed bracket of the water tank





5.Remove the electronic water pump and fix the bracket

6. Installation of electronic water pumps





7.Remove the original fixed speaker

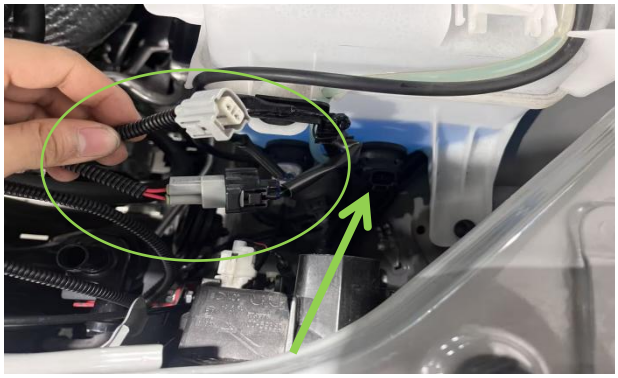
8. Installation of the fixed water kettle bracket



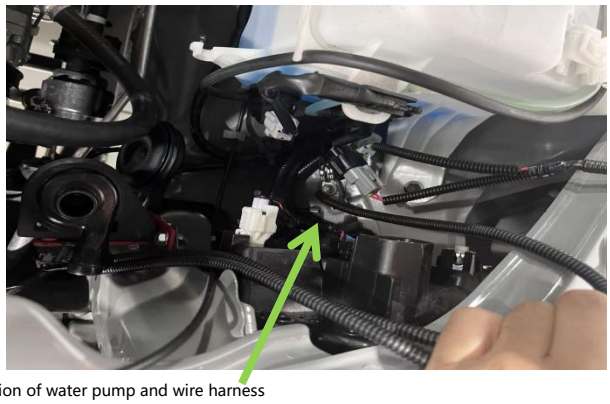


9.Remove the electronic water pump wiring harness

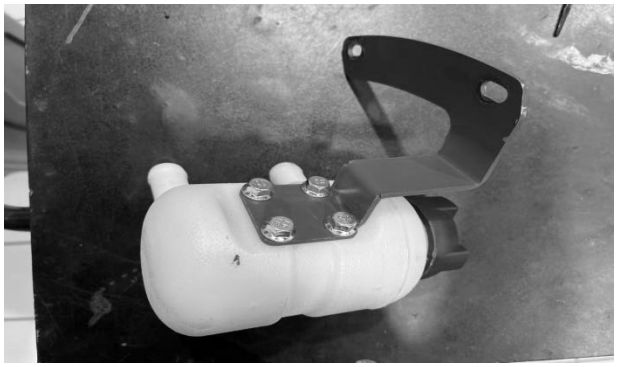
10. Installation of pump plugs



9.Pull the rainwater spray motor plug. Connect the pump wiring harness



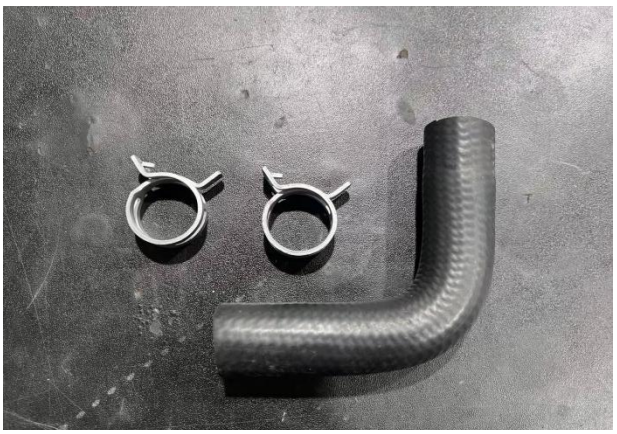
10. Installation of water pump and wire harness





11.Remove the kettle, kettle mounting bracket

Installation of a water heater

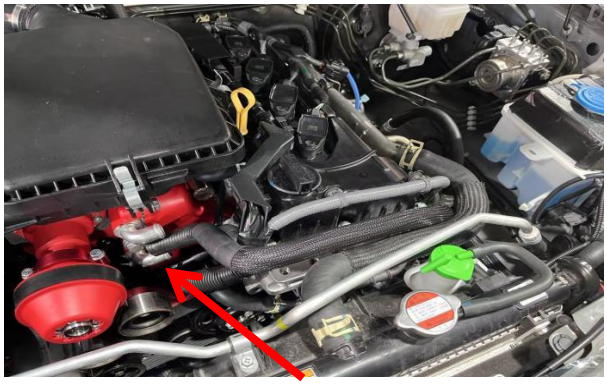




13.Remove the (water bottle-pump) connector

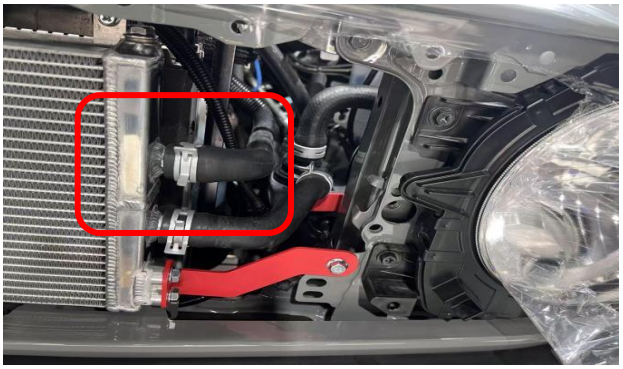
14. Installation of water pot-pump connection pipeline





15. Remove (supercharged radiator-radiator tank) drain water pipe of turbocharger belt installation

16. Schematic diagram





17. The other side of the pipe is connected to the outlet of the water tank (Mechanical supercharged radiator-water jacket) drain radiator hoses

18. Remove

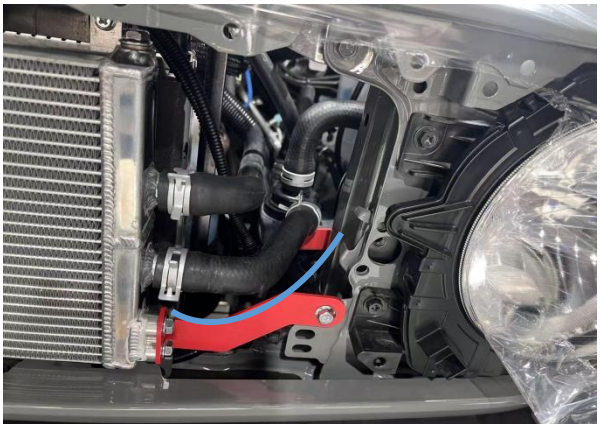




19.Connect the supercharger to the outlet pipe

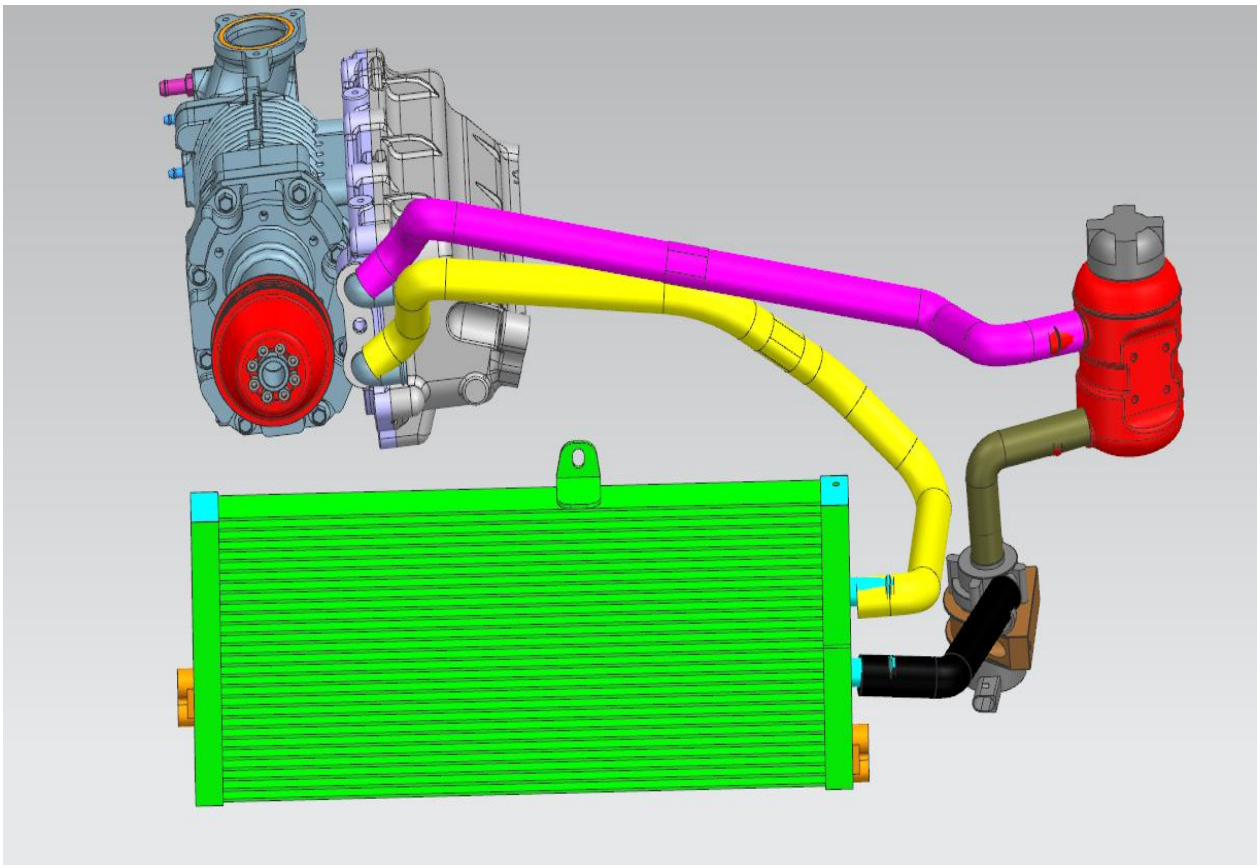
20. The other side of the water pipe is connected to the return water port on the kettle





21. Remove (pump-radiator tank) radiator tube connected to the cooling tank piping

22. Installation of electronic water pump



23.Schematic Diagram of Water Cooling

Maintenance Guidelines

1. After installing the turbocharger, start the engine and let it idle. Check for leaks at the air intake and tighten any loose parts. (Be careful to avoid moving parts) Turn off the engine and allow it to cool down before checking the coolant level in the radiator.

2. After the turbocharger is installed, check whether the belts on all pulleys are properly aligned during engine operation. If the belts are found to be moving left and right, contact a professional technician to determine whether the installation sequence is correct.

3. After the turbocharger is installed, check for abnormal sound and vibration in the first few kilometers of the test drive vehicle.

4. Under the condition of supercharging, the turbocharger has increased noise compared with the original vehicle state, which is a normal phenomenon.

5. Under supercharged conditions, the temperature under the engine hood increases, resulting in a large temperature difference. Loose clamps are normal. Regularly check all clamps and replace them if necessary.

6. During each maintenance cycle, check the turbocharger drive belt for wear and aging. If any signs of premature wear are detected, replace it immediately. If abnormal wear recurs, this may indicate misalignment issues. Inspect the pulley alignment or have a professional assess the condition.

7. Add 95# or higher unleaded gasoline and stick to 95# or higher gasoline later for the best power experience

8. When maintaining, try to choose the original air filter, avoid using the air filter with poor filtration performance, because the product or vehicle damage caused by the inhalation of debris.

9. The removed parts of the car should be properly kept, which will be beneficial to your later car inspection and other issues.

10. If the vehicle has an accident and needs to be repaired on a large scale, contact the dealer for some technical guidance.

Tips: although the power is strong, please drive legally, safely and civilly

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