VT Superchargers – Jeep Wrangler 3.6L VT Supercharger (No Tune)

Professional Installation Manual
Includes step-by-step instructions, images, safety tips, and maintenance notes.

Page 1:

Wrangler VT installation instructions



VT twin screw booster

Wrangler, Wrangler-JK

3.0-3.6 V 6 Pentastar

Page 2:

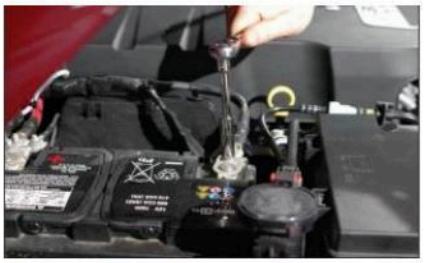
Jeep Wrangler 3.6 VT Superchargers



1. Check whether the engine is running normally and ensure that the engine remains in its original condition



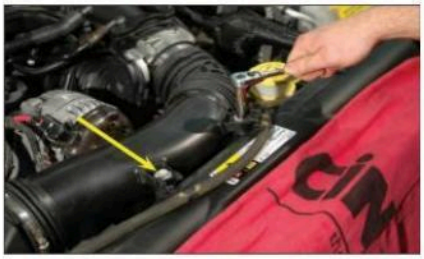
2. Protect the leaf plate and the middle net to avoid scraping



3. Use tools to disconnect the negative battery electrodes and pack them with insulated articles to prevent accidental contact



5. Push both hands and remove the original engine cover (keep properly, these parts will not be reused)



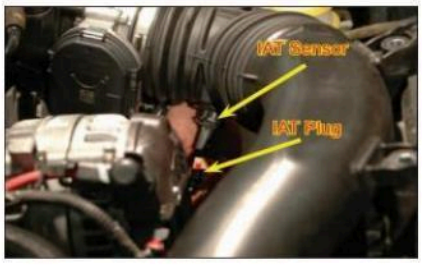
6. Remove the two fixing bolts on the intake pipe



7. Release the clamp on the intake pipe at the throttle end



8. Release the clamp on the intake pipe of the intake bellows



9. Find the intake temperature sensor on the intake pipe, press the lock card on the plug, and unplug the plug

Page 3:

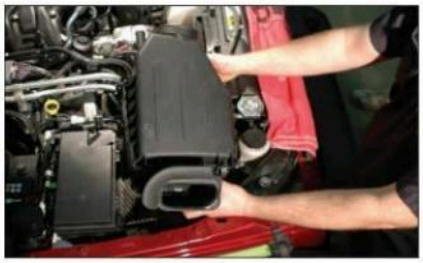
Jeep Wrangler 3.6 VT Superchargers



10. Remove the intake pipe (these parts will not be reused)



11. Unplug the exhaust gas connection pipe on the intake air bellows

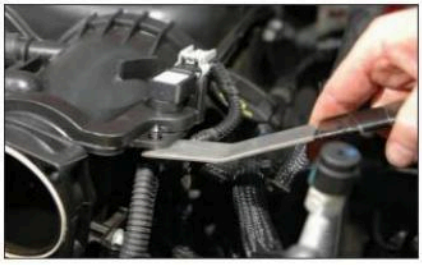


12. Take out the intake bellows (properly protected for installation)

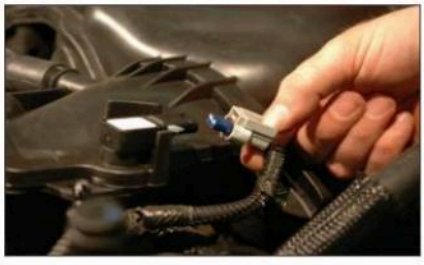


3. Find the throttle position sensor plug, and use the tool to release the wiring harness card
Button, press the plug, lock the card, and unplug the plug





14. Find the throttle position sensor plug, use the tool to release the wire harness buckle, 15. Use the skid plate tool to remove the intake pressure sensor wire harness fixed clip
Press the plug lock, card, and unplug the plug

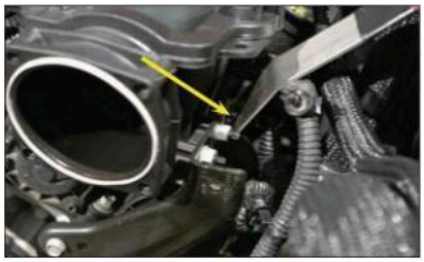




16. Press the lock card on the plug of the inlet pressure sensor and unplug the plug 17. Use the crowbar tool to remove the harness fixing clip next to the throttle

Page 4:

Jeep Wrangler 3.6 VT Superchargers

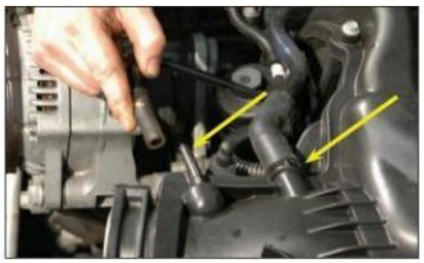




Use the skid board tool to remove the wiring harness fixing clip next to the intake pipe fixing bracket

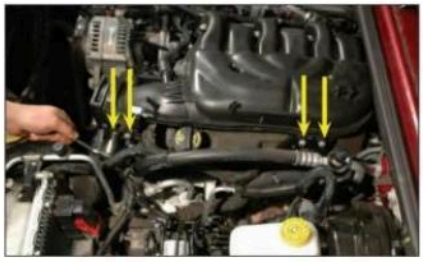


20. Remove the bolts for fixing the brackets of the two engine covers

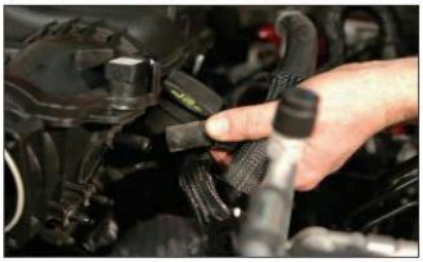


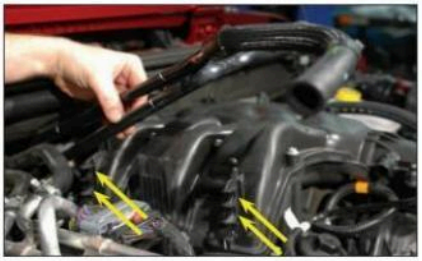
21. Remove the exhaust gas connection pipe and carbon tank pipe from the intake manifold





22. Remove the two bolts on the intake manifold fixing bracket on the throttle side. 23. Remove the four bolts on the intake manifold fixing bracket



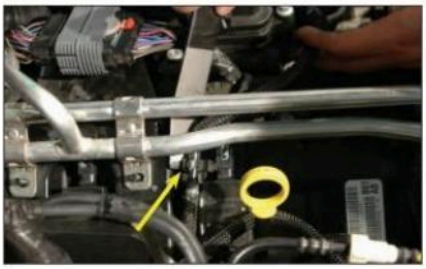


24. Unplug the brake booster tube after the throttle valve

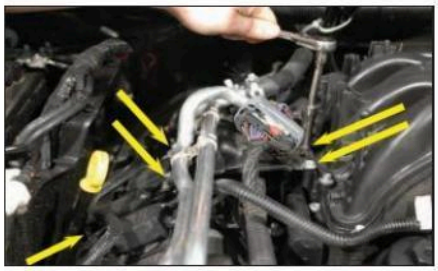
25. Remove the exhaust pipe from the fixed clip on the intake manifold. Do not remove the exhaust pipe

Page 5:

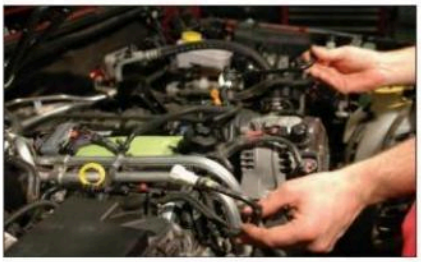
Jeep Wrangler 3.6 VT Superchargers



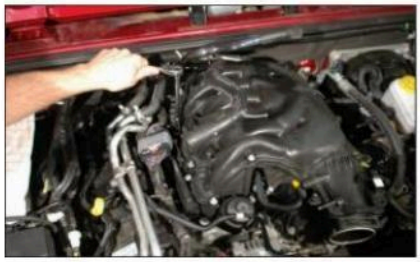
26. Use the skid board tool to remove the carbon tank on the connecting pipe of the warm air pipe bracket



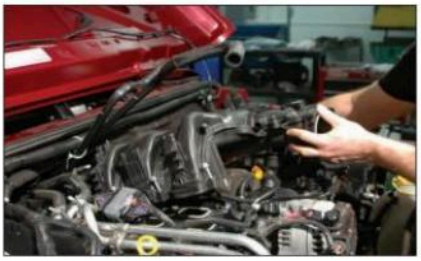
27. Remove the fixing support screws of the water inlet pipe and remove the bracket

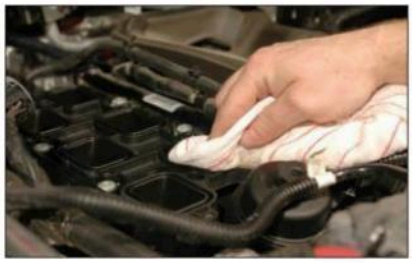


28. Remove the carbon tank connector pipe

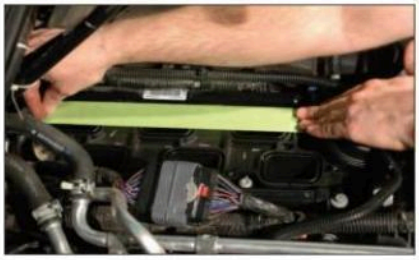


29. Remove the 9 screws for fixing the intake manifold





30.. Remove the original intake manifold (properly kept, these components will not be reused) 31. Clean the oil stains on the surface of the intake manifold transfer tray



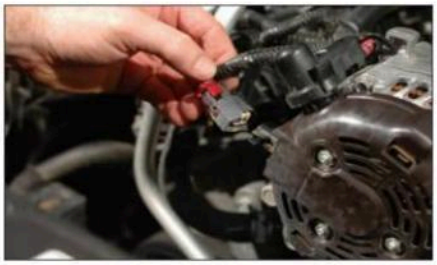


32. Note! Use clean tape to seal the air inlet to prevent foreign matter from entering the engine) 33. Remove the heat insulation cotton from the engine intake manifold

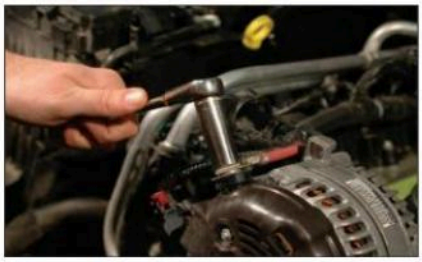
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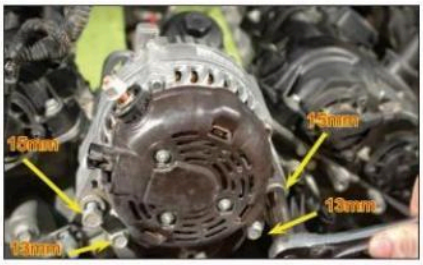
34. Use the tool to pull the belt tensioner and release the belt



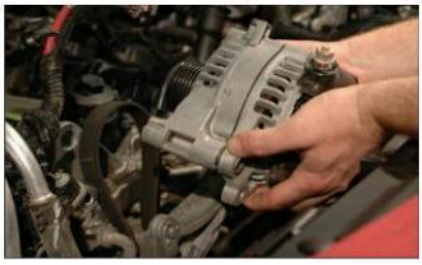
35. Press the lock card on the generator plug and unplug the plug



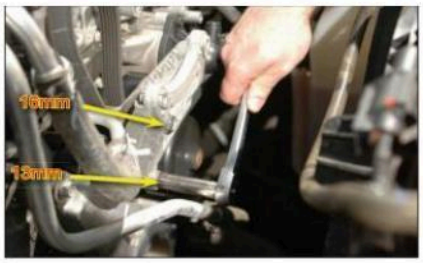
36. Remove the positive electrode line of the generator and wrap it with fiber tape (note! Check to disconnect the battery negative electrode before removal)



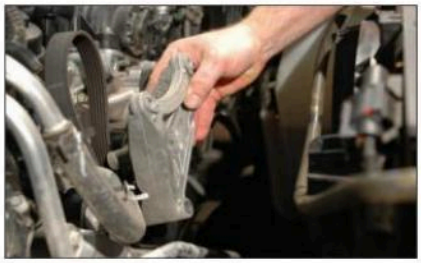
37. Remove the four fixing bolts on the generator



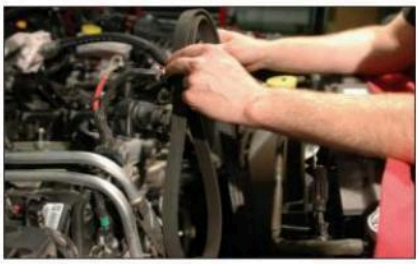
38. Remove the generator



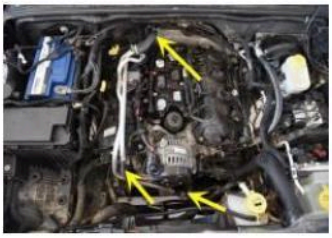
39. Remove the two fixing bolts on the generator fixing bracket



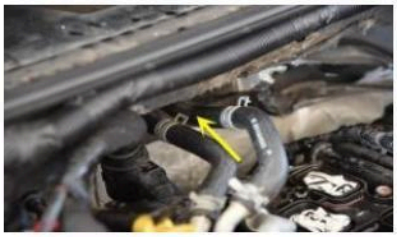
40. Remove the generator fixing bracket



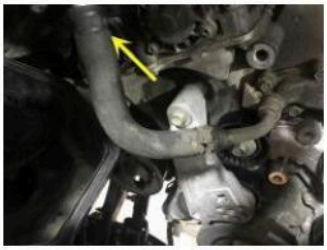
41. Remove the original generator belt



42. Remove the three heating pipes as shown in the figure Spring clamp and remove



43 Remove the clamp as shown



44 Remove the clamp as shown



45 Remove the clamp as shown in Fig



46 Remove the heating air water pipe



47 Remove the middle net fixed card buckle



48 Pull out the turn signal plug



49 Remove from the middle net

Page 8:

Jeep Wrangler 3.6 VT Superchargers



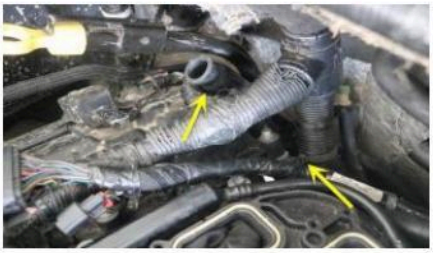
50 General schematic diagram of replacing the original car heating water pipe



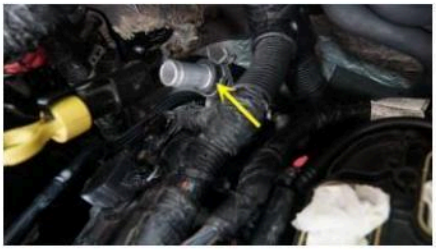
51 Installation diagram of water pipe in warm air water tank



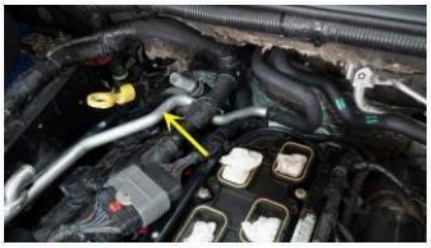
52 Oil radiator water pipe transfer (this hose is the original Remove the car warm air water pipe)



53 The arrow indicates the engine water pipe passing under the harness clip



54 Install the oil radiator transfer



55 Install and replace the air pipes



55 Install the oil radiator transfer water pipe (the hose is Original car heating air water pipe)



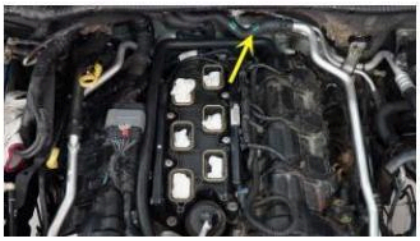
56 The engine and the heater water tank connection pipe



57 Diagatic of installation position of heating water pipe



58 Schematic diagram of warm air water pipe



59 Installation diagram of heating air water pipe



60 Installation diagram of engine side warm air water pipe



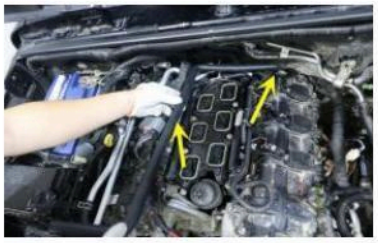
61 Fixed the tie



62 tie installation position



63 Schematic diagram of the main driving side exhaust pipe



64 Installation direction position of the exhaust gas pipe



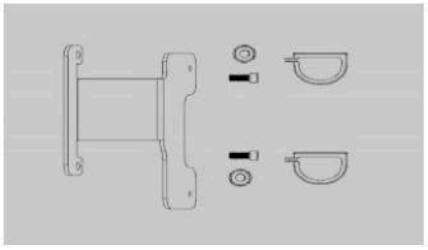
65 Schematic diagram of the passenger side exhaust pipe



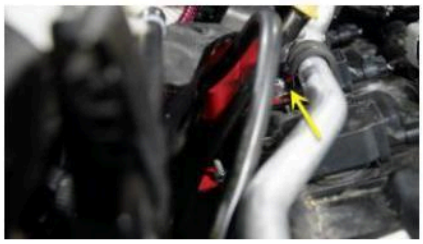
66 Schematic diagram of the exhaust gas pipe assembly



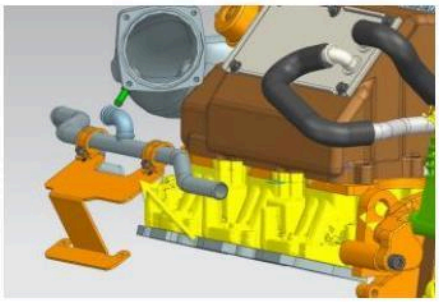
67 Installation position of the exhaust gas pipe



68 Heating water pipe fixing bracket



69 Fixed the bracket mounting position





70 Install the original vehicle intake air temperature sensor



71 Install the original vehicle intake pressure sensor

Page 11:



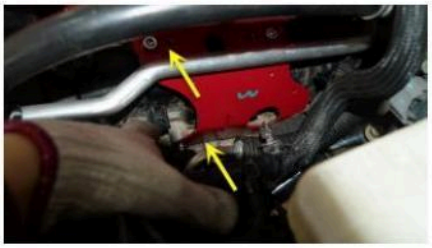
72 Supercharger diagram (fixed screws: two throttle fixing screws)



73 Install the supercharger (shake the supercharger to the two bottoms
Positioning pin precision entry)



74 Supercharger fixing bracket



75 Mount position of the supercharger fixing bracket



76 Warm air water pipe and wiring harness fixed buckle position

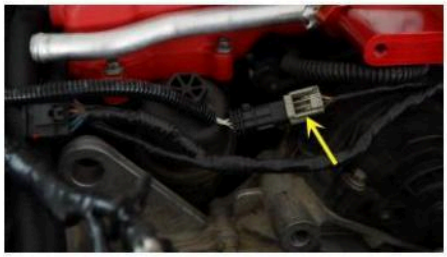


77 Supercharger and generator fixed bracket parts four intentions



78 Assemble the loose hot water pipe and the supercharger fixing bracket

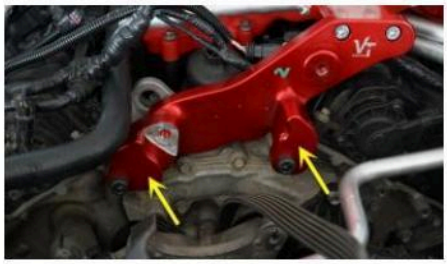
Page 12:



79 First plug in the inlet pressure sensor



79 Schematic diagram of the generator fixing bracket



79 Install the generator fixing bracket



80 Install the original car generator auxiliary bracket belt according to the original car position



81 Install the generator and note the aluminum sleeve inside the idler wheel





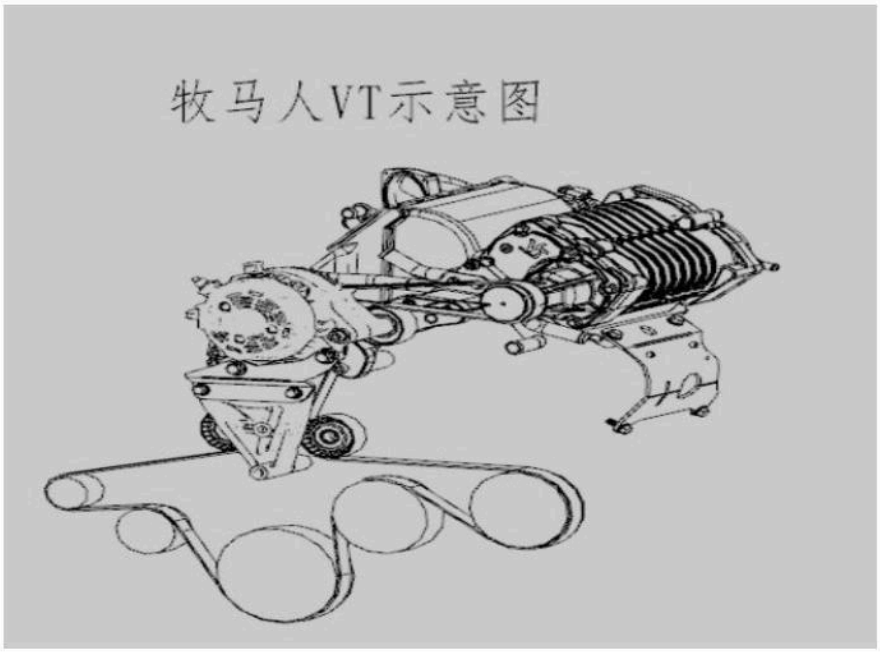
82 Generator secondary bracket



83 Install the generator secondary bracket

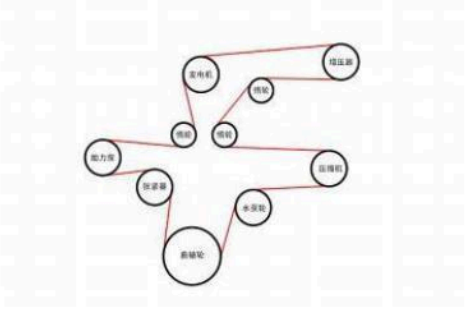
Page 13:

Jeep Wrangler 3.6 VT Superchargers



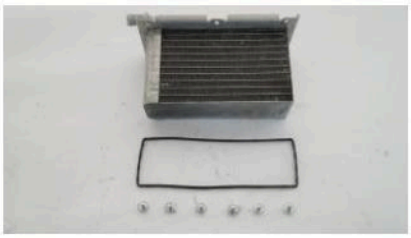


84 Plug in the generator, and plug it in



85 Belt direction diagram

Page 14:



86 Heat water cooling sealing ring and fixing screws



87 Install heat cooling and water cooling



88 Carbon tank solenoid spring clamp



89 Installation position (rear of the throttle)



90 Solenoid valve hose installation position



91 Throttle throttle extended first seal ring schematic diagram



92 Install the sealing ring



93 Install the throttle door

Page 15:



94 Install the throttle valve and the long throttle line



95 Install inlet pressure sensor line (original vehicle inlet pressure sensor is not plugged)



96 Install the kettle water pump and the water pipe



97 Assemble water pipe and fixing bracket (pay attention to the position of pump outlet)



98 Install the kettle position



99 Install the side fixing holder of the kettle



101 Install the bracket under the cooling water tank

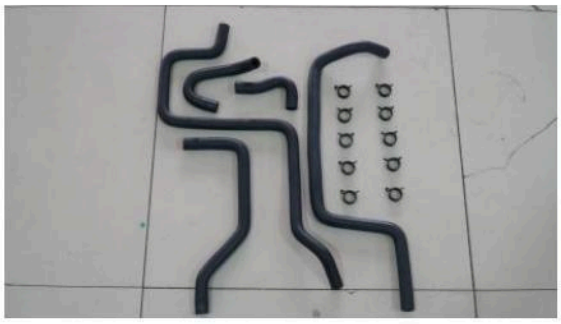




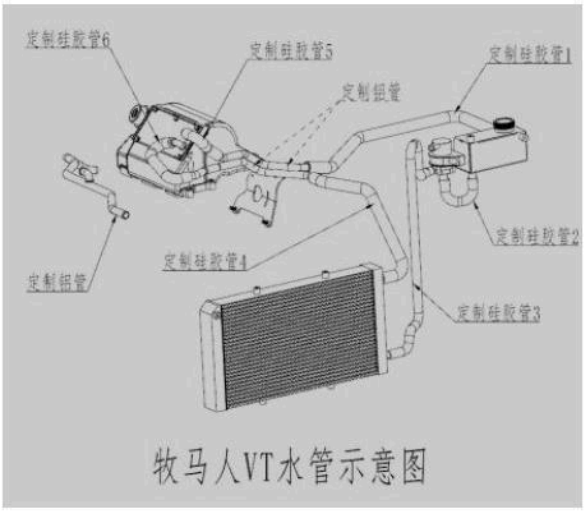
102 Install the cooling water tank and the upper bracket



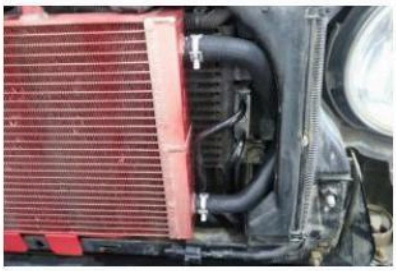
103 Installation is complete



104. Schematic diagram of the whole car loose hot water pipe



105. Overall layout diagram of water pipes



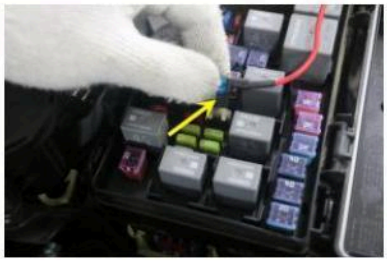
Details show Figure 1



Details show Figure 3

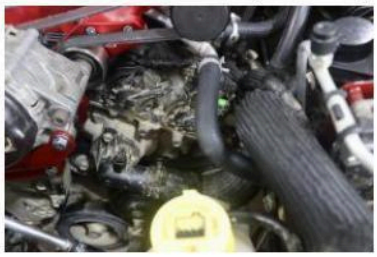


106., The water pump wire harness



108. Install the water pump to get the electricity insurance

Page 18:



Details show Figure 2



Details show Figure 4



107. Install the water pump wire harness and tie the iron wire



109. Pump insurance for electric pin



110. Install the air intake bellows to And exhaust pipe



111. The bellows to the throttle intake pipe



112. Install the air intake pipe



113. Install the negative battery electrode



114. Fill the original vehicle water tank with antifreeze



115. Fill the antifreeze liquid in the cooling water tank

Page 20:



116., Install net



Installation completed

Page 21:

three.check up

1. Check all pipes for friction and collision after the installation
2. Check whether the antifreeze of the water tank and the supercharger belt are installed in place
3. Turn off the engine immediately after 3-5 seconds, and check whether the belt installation is in place again
4. Check the oil leakage, and run in for about 30 minutes
5. It is recommended to use no. 95 and above gasoline, which has better engine protection and better power
6. After running-in, connect the turbine pressure gauge for road testing, and the turbine pressure should be controlled at 0.45bar. If the adjusted pressure exceeds 0.45bar, the company will not be responsible for it