R32 GT-R TWIN INTANK BAFFLED FUEL SYSTEM KIT INSTALLATION INSTRUCTIONS

TO SUIT KIT PART NUMBER FPG-6TPK

WARNING: This kit is intended for motorsport applications and might not be legal to use on public roads. Check with your country's road rules and legal requirements before installing this product.
This kit should only be installed by qualified personnel and in a well-ventilated environment.
PPE should be worn to prevent any injuries from fuels, sharp edges and electrical components.

Step 1: Following the Nissan Service Manual, remove the fuel tank from the car. (The kit can be installed with the tank still in the car, however it is easier with the tank on a workbench.)

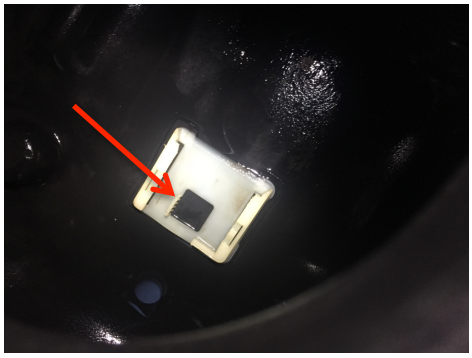
Step 2: Drain fuel tank in a suitable container.

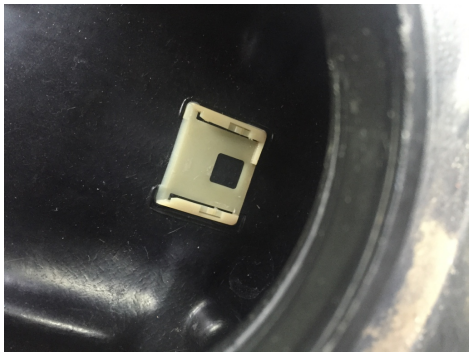
Step 3: (Recommended) Wash tank to remove possible contaminants.

Step 4: Following the Nissan Service Manual, remove the fuel pump assembly.

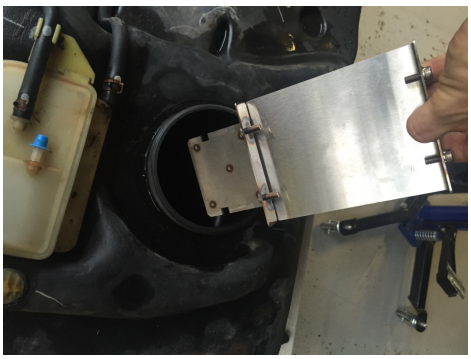
Step 5: Drain any remaining fuel into a suitable container, clean and dry the inside of the tank thoroughly, this will prevent possible contamination of the new parts being fitted.

Step 6: There are two different holders inside the factory fuel tanks; the picture on the left shows the tank holder that has a little raised section where the center square hole is located (where the red arrow is pointing) and the picture on the right shows the tank holder that does not have it. If your tank has the little raised section, it will need to be removed and cut flush using a utility knife.



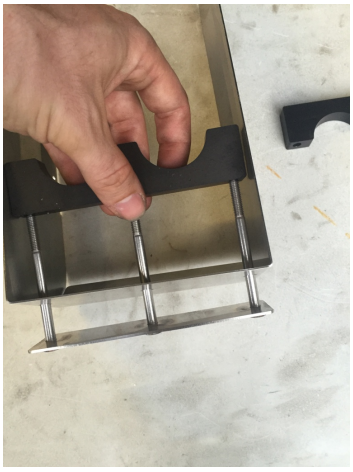


Step 7: Insert the base plate.



Step 8: Slide the base plate into the factory holder until it clips into place.

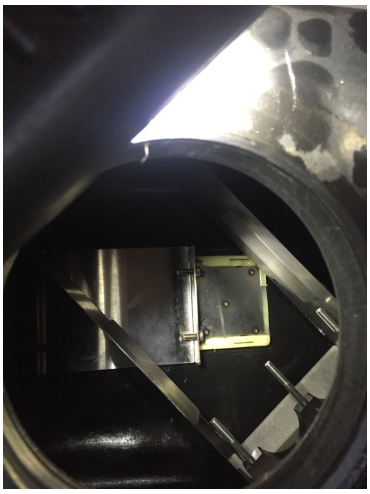
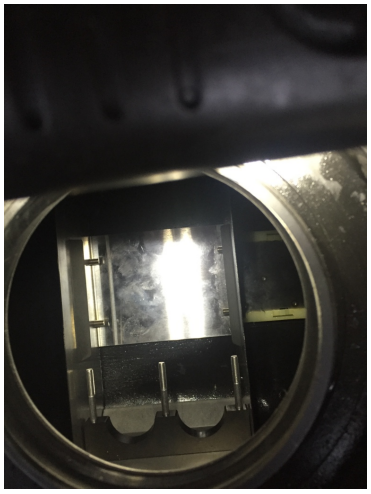
Step 9: Assemble half the clamp on the baffle as per the pictures below. (It can be a firm fit, so ensure that the clamp is sliding on straight)



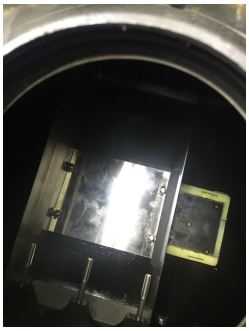
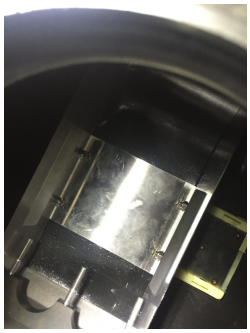
Step 10: Insert the baffle as per the pictures below:



Step 11: Once the baffle is inside the tank, place it over the bolts in the base plate by squeezing the baffle together and sliding it over the bolts one side at a time.

Step 12: Install the 4 washers and the 4 locknuts using a 10mm spanner or a small ratchet and a 10mm socket. Do not over tighten the nuts, around 8N.m of torque is sufficient.

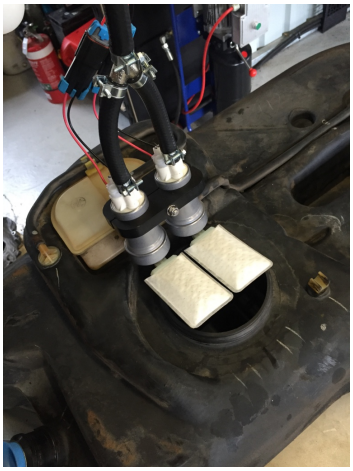




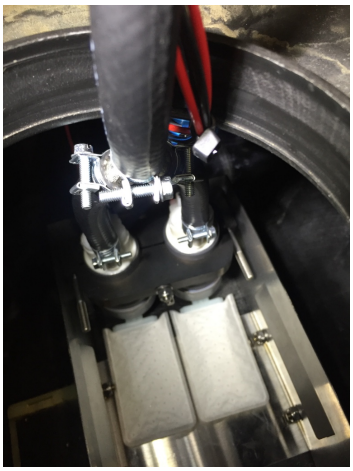
Step 13: If you purchased a kit with pumps, it will already be pre-assembled, proceed to step 15. If you are using your own pumps, go to Step 14.

Step 14: Secure the pumps with the holding fixture as per the pictures below. There should be a distance of around 10-12mm between the top of the fixture and the top of the pump metal housing. This will ensure that the pump is set at the correct height. Make sure that the pumps are aligned and sit parallel to each other. Do not over tighten the locknut; 6N.m of torque should be sufficient. Connect the hoses and secure the two hose clamps.

Step 15: This is what the assembled pumps and hat should look like. The hose connecting to the underside of the hat should be tightened in the position depicted below (green arrow), this is important so the hose does not jam the fuel level sender arm during operation.

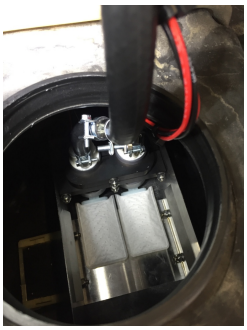
Step 16: Lower the pump assembly into the tank until the holding fixture is resting on the half clamp in the baffle.



Step 17: Install the second half of the clamp and secure with the three washers and locknuts. Do not over tighten the locknuts, 6-8N.m of torque should be sufficient.



Step 18: Install the factory rubber seal on the hat.

Step 19: Lower the fuel sender, hose and wiring into the tank. The hose will need to be pushed to fit; this is normal. The hose should be connected at around 45 degrees from the bulkhead, this is to ensure that it will not foul on the fuel level sender arm.

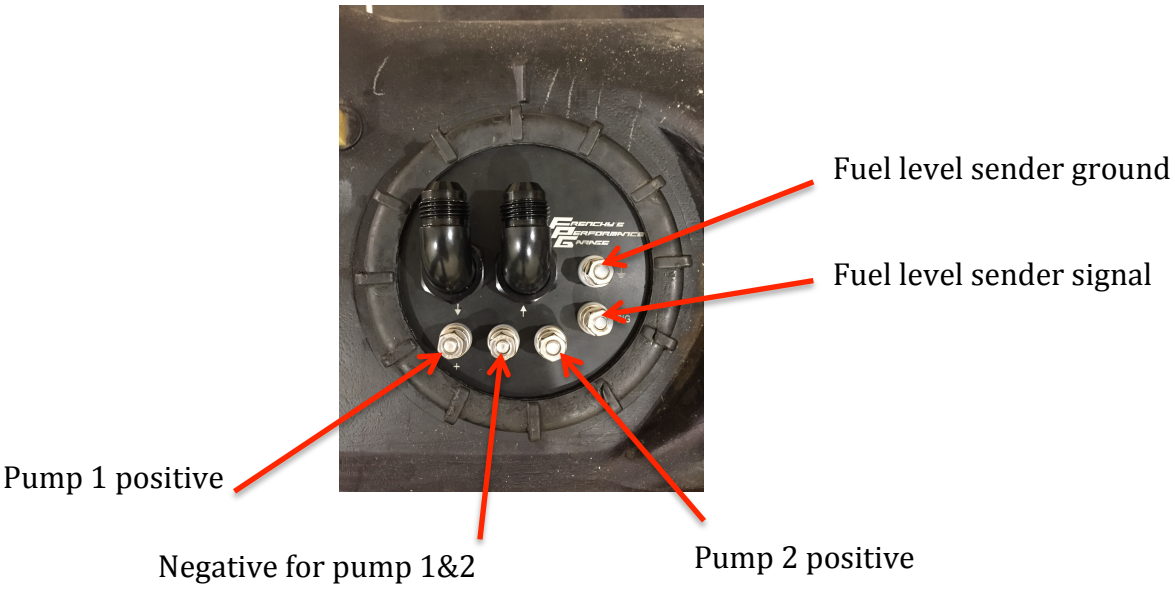
Step 20: Apply a small amount of soap on the outside of the seal to help the seal push in. Ensure the seal is engaged properly and apply downwards force to clip the hat into place in the tank. The center bulkhead (fuel supply) should line up with the notch on the fuel tank

Step 21: Install the lock ring to hold the hat in place.

Step 22: Following the Nissan service manual, install the tank back on the car.

Step 23: Connect suitable fuel lines.

Step 24: Connect the wiring as per the diagram supplied. Picture below shows the location of the terminals.



Step 25: Check/Retune the car to ensure the Air Fuel Ratio is correct as changing fuel system components will affect the mixture.