

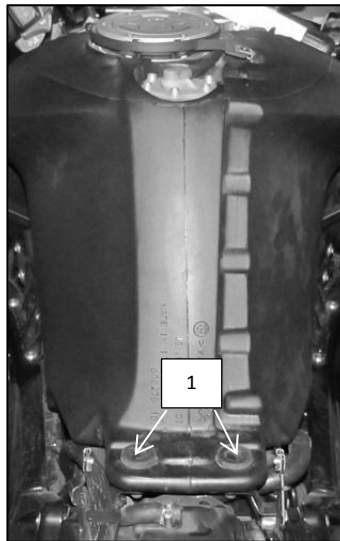
HEALTECH QUICKSHIFTER EASY (QSE) INSTALL on BMW K1200R (2005-2008)

1.- Remove the following:

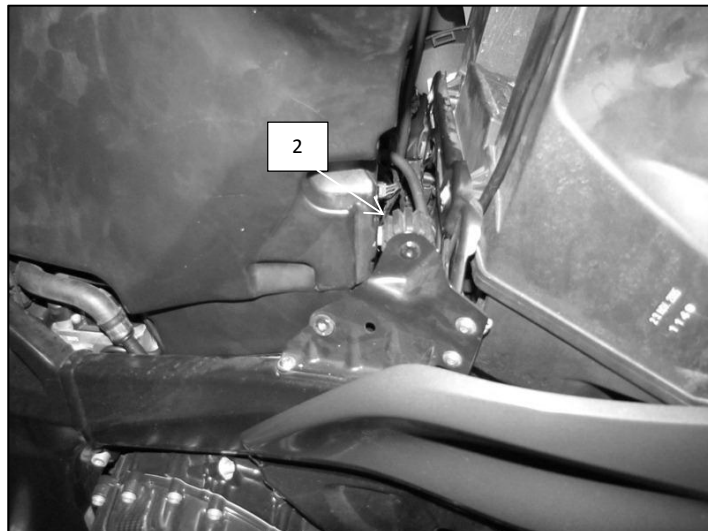
- Seat
- Indicators
- Upper side fairings and battery cover
- Battery

2.- Remove Fuel tank

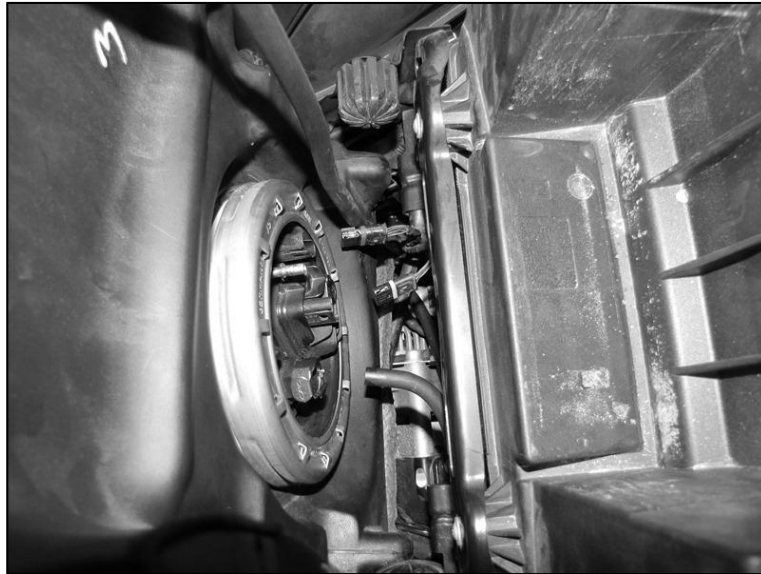
2.1.- Remove the two large allen screws (1).



2.2.- Tilt back the tank until it slides out from the rubber guides (2).



2.3.- Once access is gained, unclip the fuel quick-connector, the two electrical connectors and remove the rubber hose from the bottom of the tank.



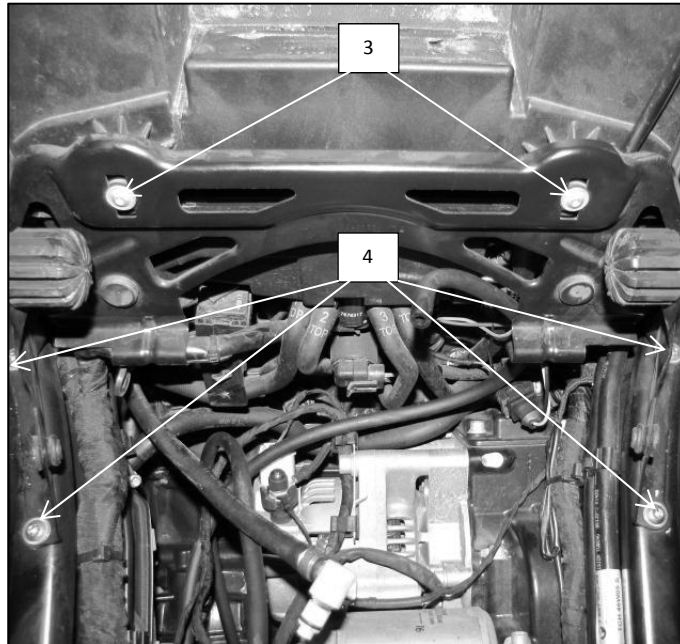
2.4.- Remove the overfill rubber hose from the top of the tank and then remove the tank completely.



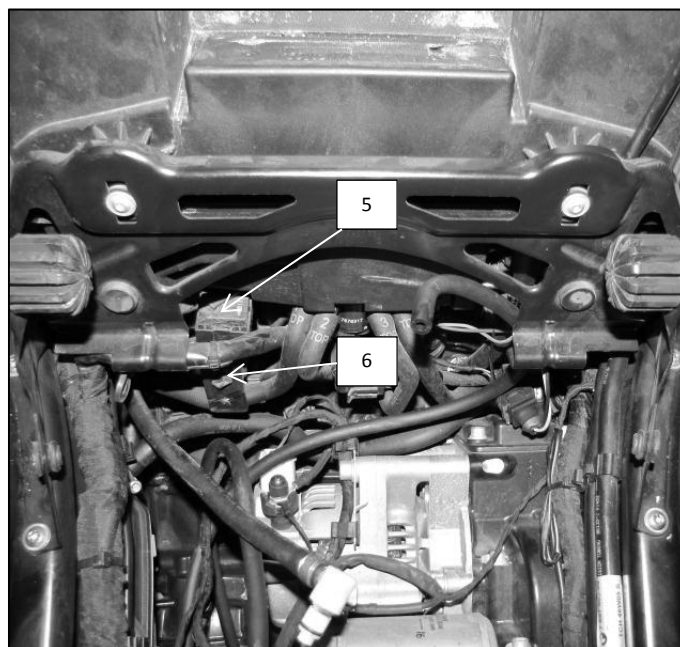
3.- Remove Intake runner with filter, by unclipping the two plastic clips.

4.- Remove Airbox

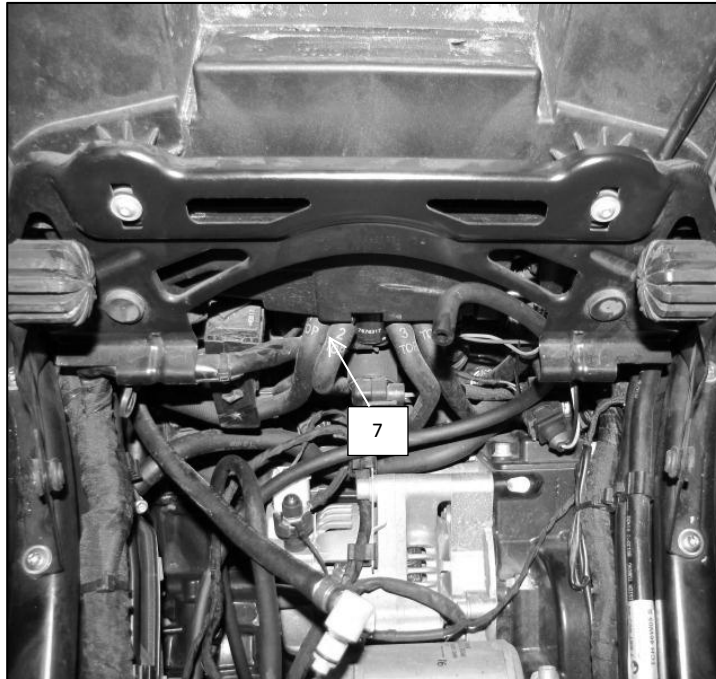
4.1.- Remove the two screws holding the airbox to the support (3) and the four screws holding the support to the frame of the bike (4).



4.2.- Remove the starter relay (5) by turning it 90 degrees until the tab (6) comes out of the support slot.



4.3.- Remove the four numbered idle regulator rubber hoses (7) and all the electrical connectors to the airbox.

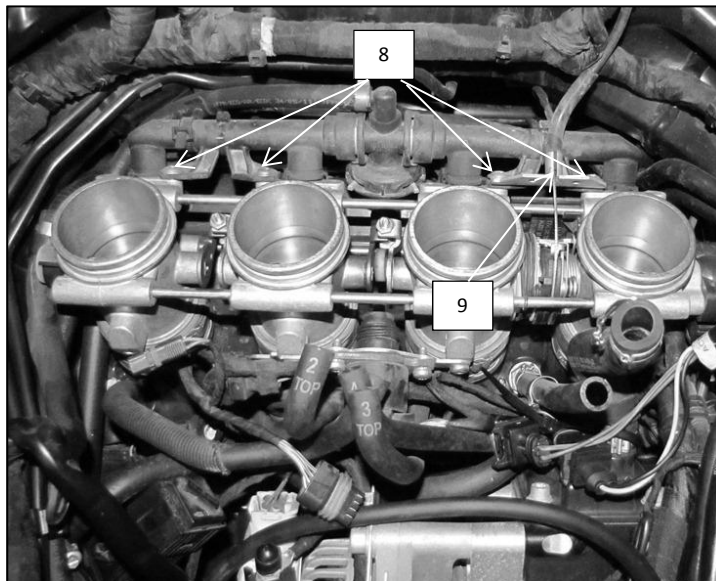


4.4.- With the help of a small screwdriver, unclip the 4 clamps to the throttle bodies and the 2 smaller ones on the right. These clamps can be reused.

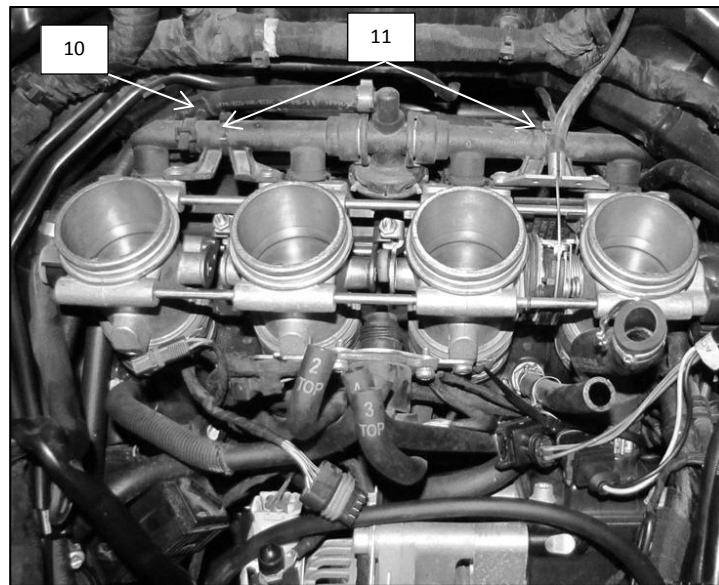
4.5.- Pull back and up to remove airbox.

5.- Remove fuel rail

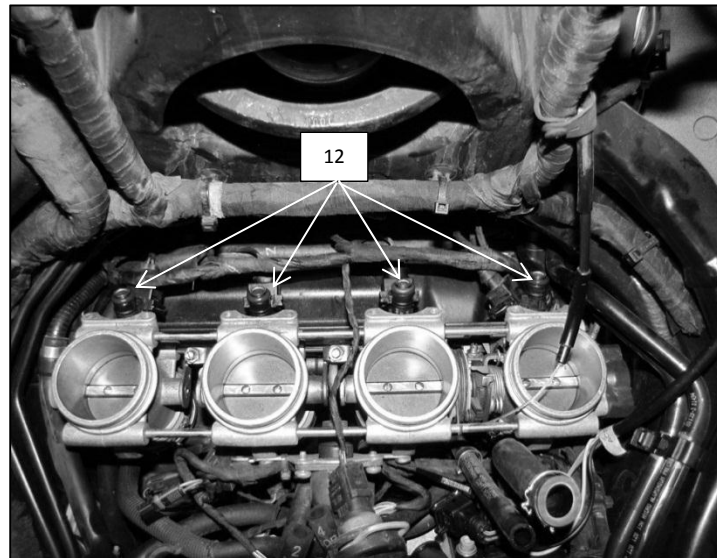
5.1.- Unscrew the four screws (8) that hold the rail to the throttle bodies, and release the throttle cable from its guide (9).



5.2.- Remove the clips from each injector to the fuel rail, remove the fuel hose from the plastic holder (10), cut the plastic electrical clamps (11) and pull up, leaving the injectors in the throttle body.



5.3- Be careful not to lose the o-rings (12) for the injectors!!.



6.- Connect QSE harness to injectors

6.1.- Unplug the stock wiring harness from each injector by pressing on the metal wire and pulling at the same time.

6.2.- Plug the QSE harness in-line with the stock wiring harness and fuel injectors and place it as much to the front possible.

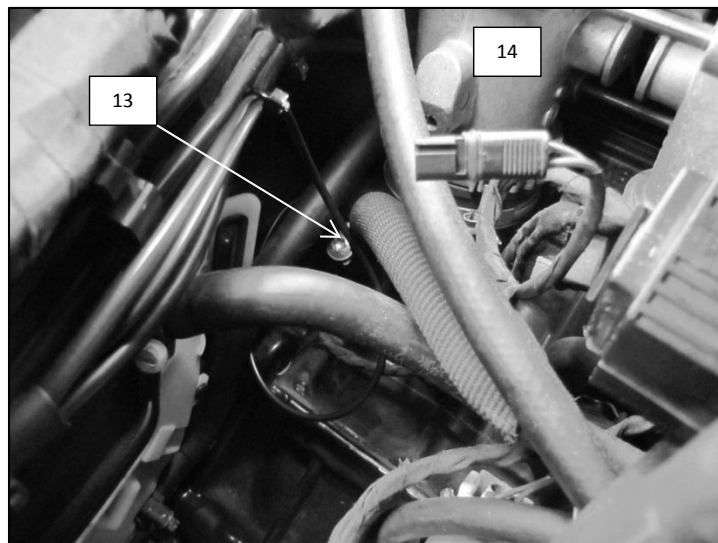


7.- Route the harness to the QSE unit.

7.1.- Place the QSE in the tail section and route the harness down the left-hand side of the bike.



7.2- Connect the QSE earth connector to the motorcycle's earth lug (13), down and to the left of the throttle bodies (14).

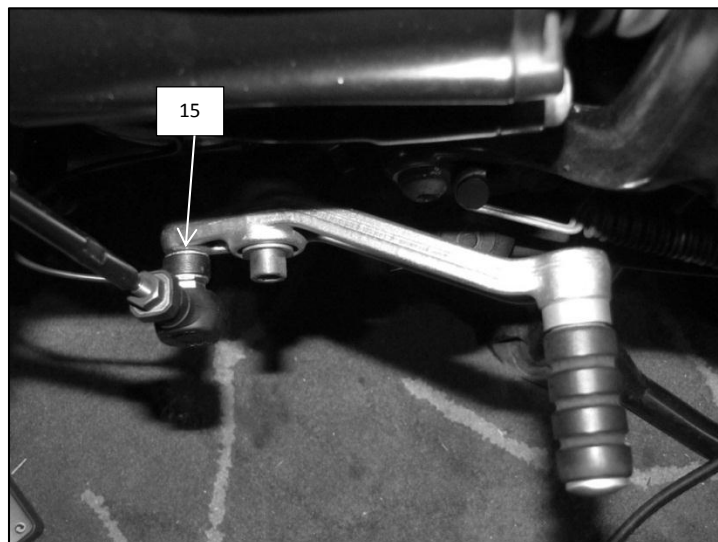


8.- Sensor installation.

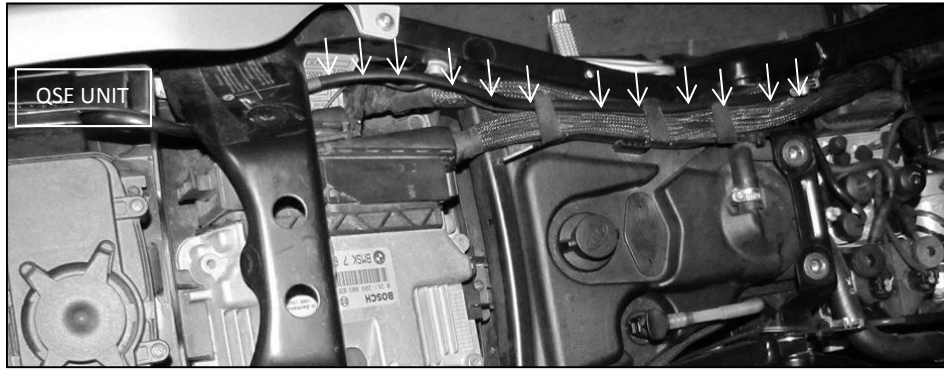
8.1.- Install the sensor (15) in the shown position shown in the photo. Torque the nut by hand, then 45 degrees more. Take into account that the more torque used, the less sensitive will be the sensor.

Use thread locker to avoid the nut becoming loose with vibration. Do not use the washers supplied in the kit if the screw is not long enough.

Note: If you install an iQSE, it is recommended to mount the sensor in the shift rod.



8.2.- Route the sensor cable together with the injector cable towards the QSE control unit (not shown).



9.- Reassembly

Install all the components removed as per sections 5→1.

10.- Setup of QSE

Read carefully the instructions provided in the kit. I found I did not need to change the default/factory settings at all, the system worked immediately. However all bikes have some differences and you should experiment with the sensitivity and timings as explained in the user guide.

I have set the QSE sensitivity to 14 Nm and it works flawlessly from as low as 3500 rpm.

11.- Enjoy!!!