



## Ducati HFCU (hands free control unit) removal 2011 Multistrada

### Tools required:

- 24mm open end wrench or large adjustable wrench
- Phillips screwdriver
- 3mm, 4mm, 5mm, and 6mm hex driver bits or allen wrenches
- Pliers
- Shop rags
- Nylon zip ties (for wiring)

### Optional:

- Thread locker (recommended for screw reinstallation)
- #20 Torx driver (ECU removal)

Drain fuel tank.

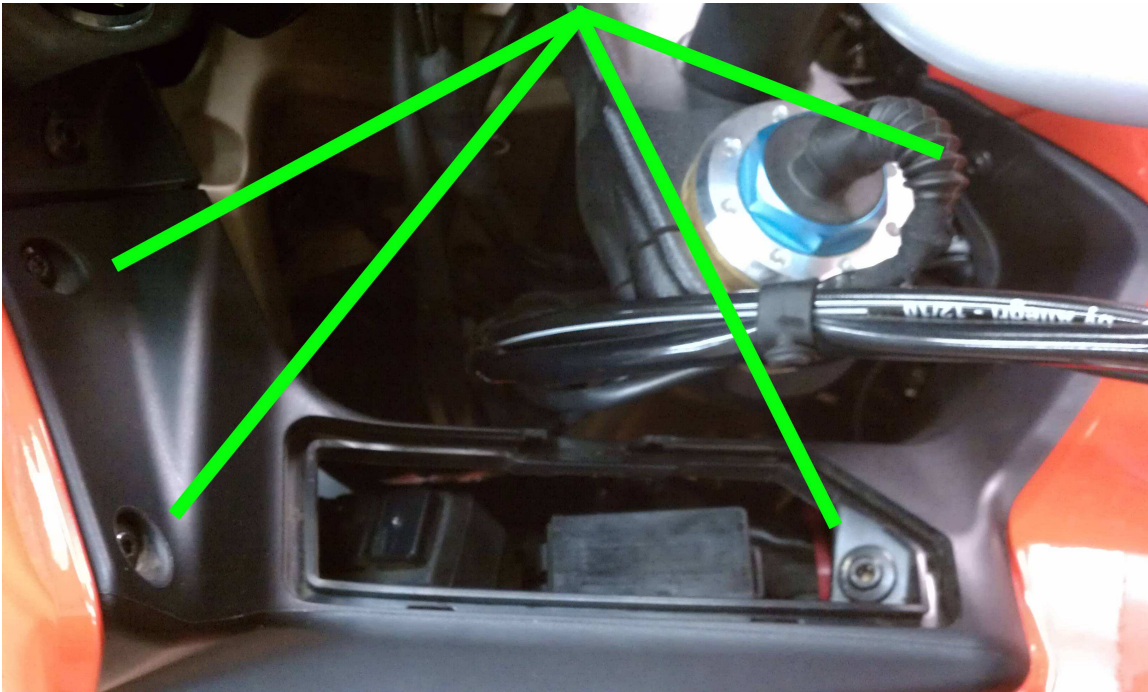
Remove seat.

Disconnect negative battery cable.

Remove left side fuse cover.

- Three 3mm black hex screws

- One 4mm black hex collet screw



Remove right storage compartment / cover.

- Three 3mm black hex screws.



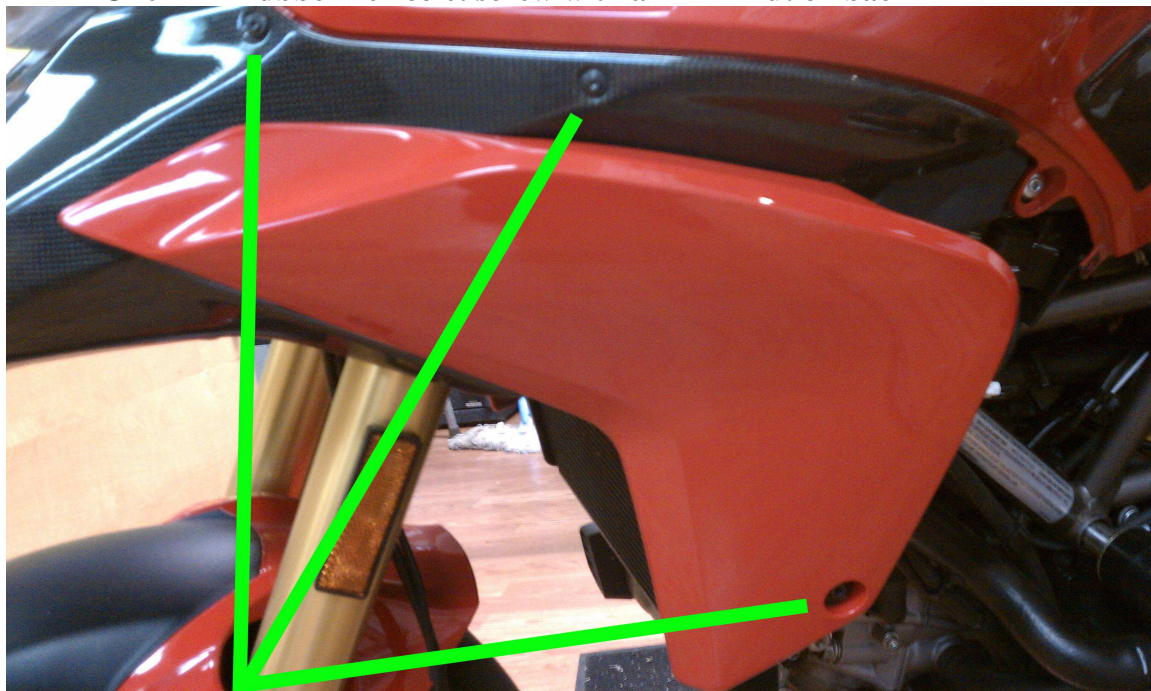


**Remove left intake cover.**

**Three 3mm black hex screws**

**Two 4mm black hex colet screws inside intake scoop on front**

**One 4mm rubber hex colet screw with a 24mm nut on back**



**(2 screws inside intake scoop)**

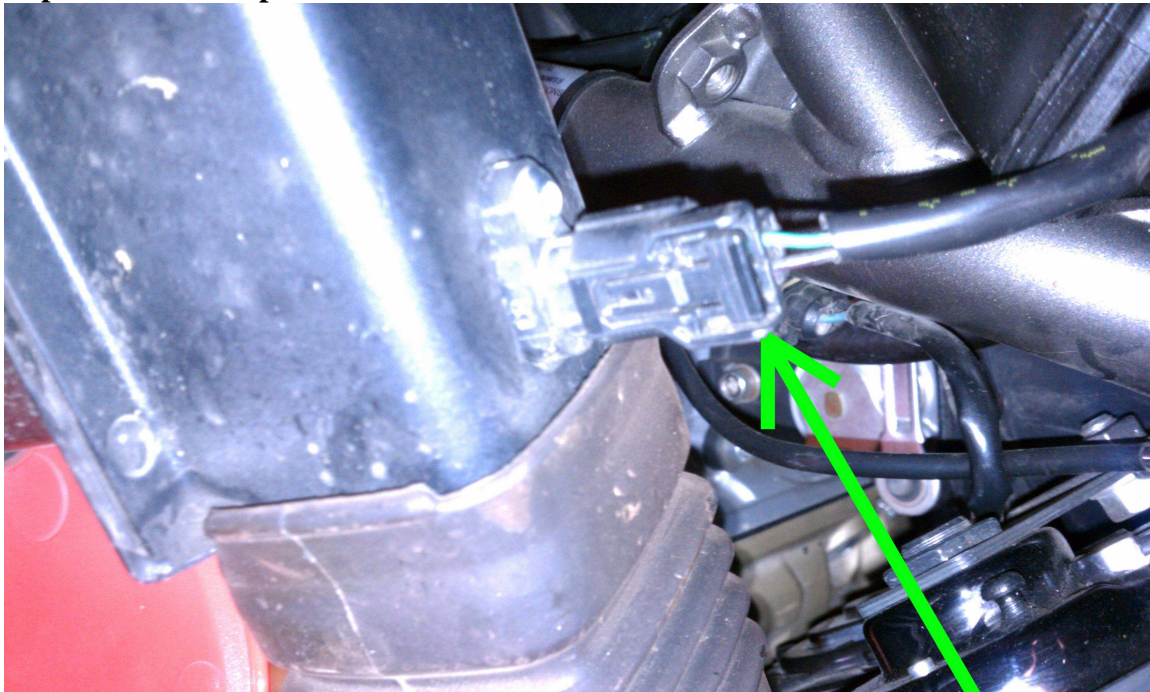


**(One 3mm black screw underneath)**





**Depress tab and separate harness from sensor.**



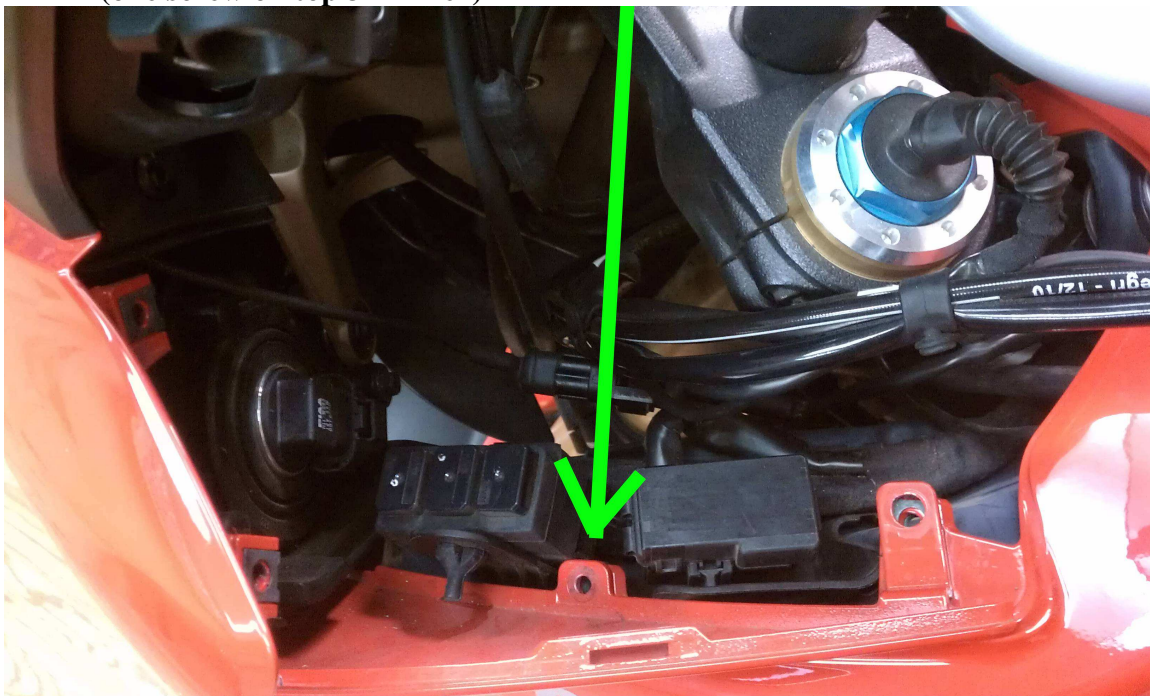
**Remove left tank cover:**

**Four 4mm silver hex colet screws**

**Four 3mm black hex screws**

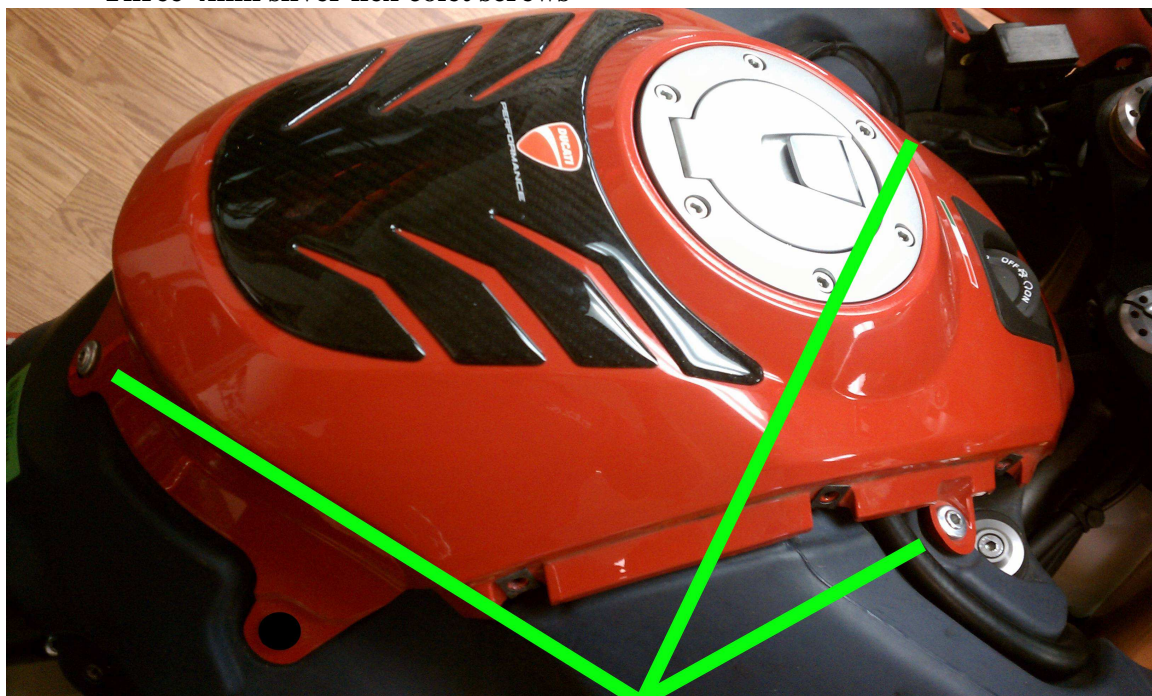
**One 4mm black fluted hex screw (for seat)**

**(one screw on top 3mm hex)**





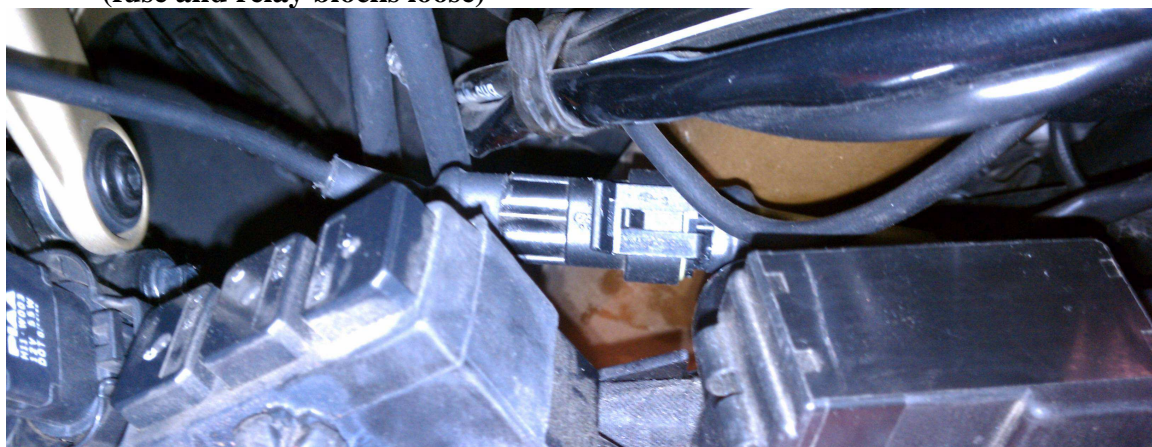
**Remove tank top cover:  
Three 4mm silver hex colet screws**



**Remove relay bracket on left side of fairing:  
“pop” out the front relay bracket from its mount  
lift the rear fuse block off of its mount  
now you can access the 2 screws under them that hold the bracket to the tank**



**(fuse and relay blocks loose)**





(remove the right breather hose from the gas cap. Use pliers to compress hose clamp)

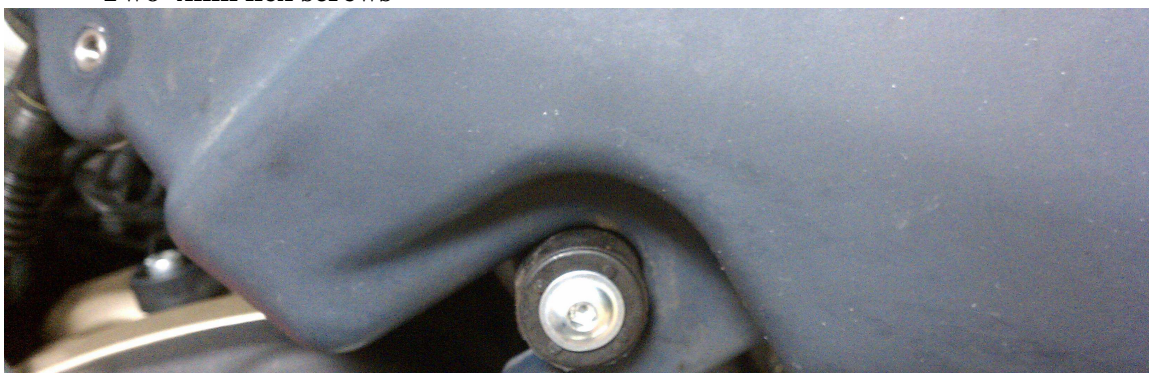


With the cap loose you can leave the left hose and optional wire for keyless caps attached and hang the cap over the handlebars out of the way.

Remove the 2 upper tank mount bolts:  
Two 4mm hex screws



Remove the 2 lower tank mount bolts:  
Two 4mm hex screws





Here is a view of the 2 wiring connectors and the fuel hose connections removed. To remove the fuel line connector, squeeze both sides where pictured below and pull connector off of the tank. Put a rag below the tank to catch residual fuel left in the lines when disconnecting them.



Here is the tank ready for removal:

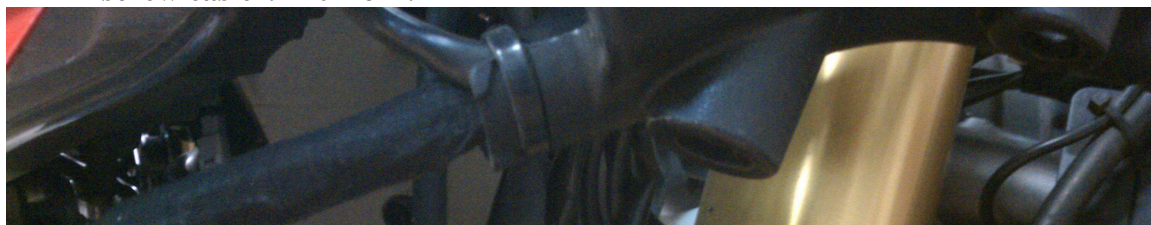


To remove the tank, lift the rear and then lift the front slightly and pull the tank to the rear. It will have to come up slightly to clear the frame.

Next remove the engine coolant overflow bottle:

Three 5mm chrome hex screws

You might choose to remove the engine computer hold down to make access to the rear screw easier. #20 Torx.





**Now pull the front of the bottle out past the forks. It is a tight fit, but it will come out.**



**Remove HFCU (hands free control unit):  
Two 6mm hex screws**

**Cut nylon zip ties binding wire harnesses from HFCU.**





**Remove the 2 screws holding the HFCU.**



**Remove the wiring connectors to the HCFU:**

