

Honda VFR800Fi Starter Valves – Setting

Firstly: Gather the tools you need

- ❖ Carbtune
- ❖ 2 Tubing Clamps
- ❖ Philips Screwdriver
- ❖ 8mm Socket and Ratchet
- ❖ 7mm spanner
- ❖ Some way of holding the tank up (Not Shown)



Secondly: Remove the 2 8mm bolts from the tank.

- ❖ Careful not to scratch the tank



Thirdly: Support the tank and remove the seat

- ❖ Don't have to remove the seat, just makes moving the tank easier
- ❖ Support the tank in whatever means you find fit
 - I used support from the roof
 - You can use blocks of wood etc. just remember the engine has to be running



Fourthly: Clamp the PAIR hoses

- ❖ First PAIR hose is above the oil cooler
The one furthers left as you sit on the bike.
- ❖ Second PAIR hose runs next to the air box
On the left as you sit on the bike.



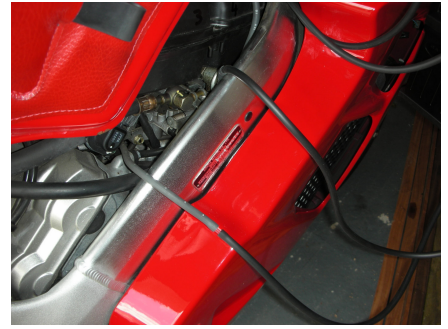
Fifthly: Locate the vacuum tubes

- ❖ 4 pipes at the front of air box
- ❖ Pipe 1 : Rear Left
- ❖ Pipe 2 : Front Left
- ❖ Pipe 3 : Rear Right
- ❖ Pipe 4 : Front Right



Sixthly: Connect the Carbtune and Warm the bike

- ❖ Connect 1 to tube 1
- ❖ Connect 2 to tube 2
- ❖ Connect 3 to tube 3
- ❖ Connect 4 to tube 4
- ❖ Warm bike to 70 degrees



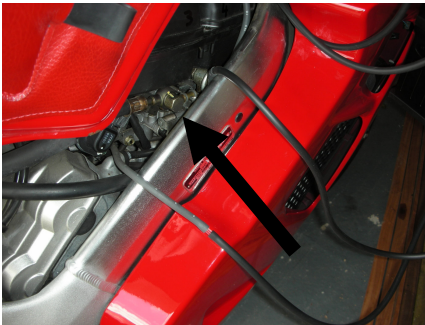
Seventhly: Alter the Idle Speed

- ❖ Remove cap from frame
- ❖ Insert Phillips Screwdriver
- ❖ Set Fi W/X to 1200rpm
- ❖ Set Fi Y/1 to 1300 rpm



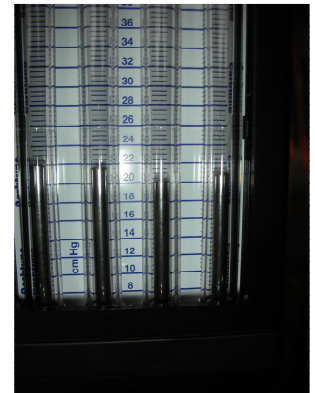
Eighthly: Locate the starter Valves
Observe current settings

- ❖ Starter vales are just inside the Frame right hand side
- ❖ #1 third from front
- ❖ #2 second from front
- ❖ #3 most reward
- ❖ #4 most forward



Ninthly: Adjust the starter valves

- ❖ Turn anti-clockwise to increase vacuum, with the 7mm spanner
- ❖ #1 Tube = reference
- ❖ #2 Tube = #1 Tube
- ❖ #3 Tube = 2 cmHg under #1
- ❖ #4 Tube = 1 cmHg under #1
- ❖ Blip the throttle occasionally and allow levels to settle
- ❖ Carbtune is difficult to read, as tubes jitter
- ❖ The value of #1 tube is not relevant



Tenthly: Put the bike back together

- ❖ Adjust the idle back to normal
- ❖ Stop the bike
- ❖ Disconnected the Carbtune
- ❖ Remove hose clamps
- ❖ Reconnect the vacuum pipes, to the right place
- ❖ Lower the fuel tank
- ❖ Replace the 8mm bolts
- ❖ Go for a ride
- ❖ Be glad there is no eleventhly!

