

# Carburetor

## A. System Carburetor

The carburetor is indeed very important in motor vehicles, because the carburetor can set the accelerated speed of the vehicle at different levels of load and speed, then can make it easier for the engine to life, and also provide a great power on the engine of the vehicle and also work with economically.

Work function on the carburetor is on time zuiger moves from TMA to the TMB in suction, then step on the cylinder Chamber room enlargement occurs giving rise to a void in the combustion chamber or space of the cylinder. This resulted in the air void that exists outside of carburizing sucked through a filter then enters through the carburetor. Gasoline in the carburetor ukit sucked along the air through nozzle so that it forms small particles of air mixed with the Gas. then the gas into the Cylinder Chamber. The large holes on the nozzel can be arranged by a needle that most people call it the needle skep or language it makes the throttle valve. so this function sets the number of needles of gasoline coming out of the mouth of the nozzel. the following example images how to work on the carburizing.

As for the parts that we know of the carburetor that is among other things:

1. close the needle skep serves to connect the needle sekep with gas that moves the needle olor skep ride down when gas in drag.
2. snap the needle mengancing needle function for skep skep with skep (throttle valve) to the needle is inseparable from the skep skep when driven.
3. Needle skep serves to regulate the amount of gasoline coming out of the mouth of the nozzle.
4. set multiple functions to its Decree at least air space belonging to the carburizing.
5. Space Needle skep/pipeline air
6. Bolt air handler function to set up the air so that the stationary machine
7. Nozzle/main jet serves to discharge line gasoline gasoline fuel keruang spool of.
8. pengapung Needle (needle valve) serves to regulate the entry of gasoline from the gas tank keruang carburizing.
9. the Pengapung function to set the open and close it the needle pengapung of keruang gasoline pipeline carburizing. The principle of work is when the room is [otobib](#) empty then the State in carburizing pengapung will move down that caused by the grafitasi style. So the needle will move pengapung down resulting in a channel open petrol gasoline will then enter into carburizing. After the carburizing full

pengapung will then automatically moves up and push the needle over  
pengapung result in blockage of the ducts of the petrol tank.

10. Hinge or studs pengapung

11. Chuke function to minimize the pressure of air entering the fuel  
keruang.

12. Bin gasoline functioned to accommodate gasoline flowing from gas  
tank

13. Filters and faucets petrol

#### B. work system carburetor

Way of working on the carburetor when the engine is alive (langsam),  
fuel from float camber (spooler petrol) goes into the small hole on the jet  
stationer (spoeyer langsam), the influx of gasoline into spoeyer this is  
caused because of the difference in air pressure between the air pressure  
in the float chamber with air pressure in the venturi. To improve the  
composition of the mixture of air and gasoline at the time of the machine  
rotates slowly, then on a carburetor made a hole which penetrated from  
the rear of the carburetor to place spoeyer langsam. holes that penetrate  
the carburetor to goto the spoeyer named airbleeder.

Air bleeder can be tuned by a bolt that is commonly known as the bolt  
regulator of the wind. After the incoming petrol on sepoeyer langsam  
mixes with air entering from the pit water bleeder, then out on a hole  
called the Idle port. The position of the idle port is the main nozzle

upfront, the reason why idle port in place closer to the engine was caused at the moment of his round langsam is slow and the air flow is not too fast throttle valve position caused silent.

When the engine in the high rounds, petrol out of a nozzle is equipped with a needle needle (needle skep). If at the time of composition of governing langsam machine mix gasoline with air is the air regulator bolts, whereas at the time of his high round that set the mix is a needle valve joint skep skep. As with air bleeder on spoeyer langsam, spoeyer main program comes with air bleeder hole which penetrated from the rear of the carburetor to the main sepoeyer, only water bleeder for the main spoeyer is not equipped with the tool penyetel.

High low turnover on the machine can be set on a skep needles can we control with how interesting and stalling Gas handle on the handlebar motor.

### C. Components – Components Of The Carburetor, And The Function Of Each Component Of The Carburetor

#### a. Space fuel.

All carburetor fuel supply requires that always stable. penyuplaian fuel (from a tank) will be controlled by a float. Float function to set/control the movement of the needle floats bedarkan amount of fuel contained in the fuel Chamber. Needles float function to close and open the seluran fuel from the tank. When the amount of fuel in the fuel has reached a certain height, then the needle will float close the channel and vice

versa, when the fuel has been reduced so buoy will float needle down and opens the fuel lines from the tank.

#### b. Choke valve

Choke valve serves to enrich the fuel mixture, especially at a time when engine is cold in the circumstances. To menghsilkan rich mixture, on channels installed a dish (choke) can close the channel through the main channels. At the time of the choke valve was closed, the race was happening disaluran the air admittance will "force" more fuel out of fuel so that the mixture becomes rich.

#### c. Piston Valve (Throttle Valve).

Secar piston valve regulating large public small ducts venturi, but if we look further, piston valve regulates the amount of fuel gas to the cylinder engines.

Seen from this side of the piston valve function is:

- change the rotation of the engine.
- Maintain the speed of the engine (vehicle) at different loads.

Piston valve is equipped with a needle skep (jet needle) that serves to regulate the amount of fuel out of the main channel (main jet).

This couple has 1.8 skep needle position settings that can be used to increase or decrease spending on fuel from the main channel.

#### d. Main Jet.

Main jet serves to supply the appropriate fuel needs at all levels of keepatan engine high round.

This is made possible by the change of the position of the piston valve. The higher the position of the piston valve, then the higher the needle is raised, because it forms the needles of the jet, then the greater the gap between the main jet needle by its distance, the more fuel will be out of fuel.

e. Slow Jet.

This channel serves to supply fuel into the cylinders of the engine by the time the engine is in condition round langsam. In this state the State in closing valve piston meeting.

f. Piston Valve Screw.

Screw this serves to set the position of the piston valve small big (gas) when engine rotation langsam.

g. the Pilot Screw.

Secrup serves to regulate the amount of air flow into the cylinders so as to get the right mix at the time of engine round langsam.

h. Pump Acceleration.

Acceleration pump serves to increase the amount of fuel when the engine changes speed rounds, from low to high round round. The addition of this fuel is required, because at the time the piston valve is lifted the vacuum is going down so that the fuel supply would be reduced.

D. How The Carburetor Service

On a motorcycle, the carburetor is a place where air and fuel combine to produce a gas that would later be included keruang burn for fuel and generate power.

The carburetor also has sections which are floats, baigan mainjet air couplers and petrol throtlevale, spring-loaded Restorer etc.

Carburetor if not cleaned regularly also result in less good for the motor because it can interfere with the supply of gas is generated also result in borosnya petrol,

Tools needed:

- Wrench/ring
- Screwdriver swell and sprawl
- Tang
- Container for components – components of the carburetor
- Brush

The First Step:

- Turn off the faucet off faucet and gasoline from carburetor with a screwdriver.
- Off tebeng motor
- Loose connection to the carburetor air filters with a screwdriver and then release the connection also keleher Goose (intake manifold) with a key ring/fitting.
- Off the carburetor and take it to the tray last

- Off all the components of the carburettor, a gasoline carburetor first and then followed by removing the mainjet and buoy.
- And then clear each component with a brush, try also spray with compressor
- After that reinstall the carburetor as before according its place.

The second step sets the carburetor:

- Turn to the right settings to wind up stuck then turn back to the left for underbone 1.4 1.5 – round and for the motor sport to 2.5 rounds.
- Set gas to 3000 rounds – 5000 rpm and then turn on the machine.