

- adjusting the jet needle to a lower position
- (b) Flat spot (similar to engine missing) during acceleration or at intermediate speed indicates that the fuel mixture is too lean and is corrected by adjusting the jet needle to a higher position.
- (2) Throttle valve (cutaway)
- The throttle valve is numbered so that the larger the stamped number size, leaner the fuel mixture will be. When changing the throttle valve, it must be considered that slow speed will be affected as well as the intermediate speed.

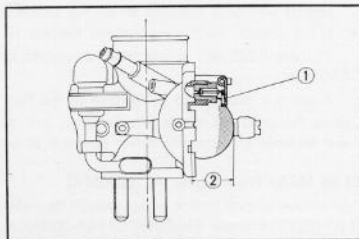


Fig. 3.128 Measurement of fuel in the float chamber

- ① Float arm  
② Float fuel standard surface

#### F. Adjustment for Slow Speed

The adjustment of the fuel mixture between  $1/8$  throttle opening and idling is made by the air screw and the cutaway of throttle valve. (Fig. 3.127)

##### (1) Air screw

The fuel mixture adjustment at idling speed is made by the air screw. Turning the screw in the clockwise direction will produce a rich mixture; a lean mixture can be had by turning the screw in the counter clockwise direction. However, the idle screw is not only to adjust the idling since attention should also be given to the transition period from idling to throttle opening, in other words, the fuel mixture to provide the smooth operation at the point where throttle is opened slightly beyond the idle speed.

#### G. Adjusting the Fuel Level

Since it is difficult to measure the actual height of the fuel level, the measurement of the height of the float valve is made which, will correspond to the height of the fuel.

Float measuring method

- (a) Tap the float lightly from left to right with the finger and locate the position where the tip of the float valve just barely comes in