

2026-05-18

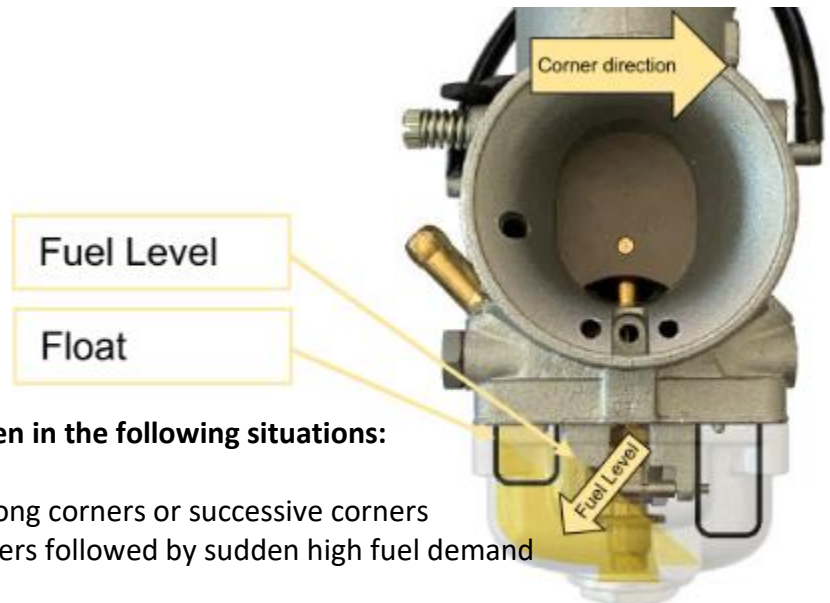


## Bensinpump- och förgasartips

Since we encountered some fuel-related issues under specific conditions, we would like to inform you and our market how to avoid these issues as best as possible. Fuel Supply Stability Under High Lateral Load Conditions To ensure optimal engine performance, it is important to understand certain operating conditions that can affect fuel delivery to the carburetor and air-fuel mixture process inside the carburetor. Under specific conditions involving high grip levels combined with sustained lateral acceleration, fuel supply limitations may occur.

### Problem Description

During persistent lateral acceleration, fuel inside the carburetor float chamber can be forced to one side due to centrifugal forces. In this situation the float on the corner outside closes the needle and this can restrict or completely interrupt fuel flow into the carburetor. As a result, a temporary lack of fuel could lean the air-fuel mixture and lead to less power for a short time, if the fuel level sinks.



**This effect is most likely to happen in the following situations:**

- High fuel demand followed by long corners or successive corners
- Long corners or successive corners followed by sudden high fuel demand

Both scenarios can lead to insufficient fuel supply and negatively impact engine performance.

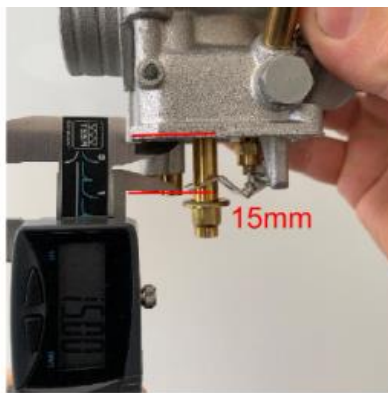
### Preventive Measures

To minimize the risk of starvation under these conditions, the following points should be carefully checked and optimized:

### **Carburetor Setup (only recommended for JUN, SEN & DD2)**

- Float Level: Must be set precisely according to 277400 CONTROL TEMPLATE CARBURETOR VHSB34
- Float Drop: Ensure correct adjustment to allow sufficient fuel inflow (adjustment below)

Hold the carburetor in upright position and measure the Float Drop between carburetor sealing surface without the gasket and the tip of the float bracket (left picture). For JUN, SEN & DD2, we recommend a float drop of 15mm. The float drop can be adjusted by bending the small tab (right picture). The tweaking of the float drop is an allowed adjustment.



### **Fuel Pump**

- Verify that the fuel pump is in proper working condition

### **Fuel Filter**

- Check for blockages or contamination
- Injection molding ridges are allowed to be removed on the inlet & outlet

### **Impulse Hose and check valve**

- Optimize hose length and routing (exactly as from new)
- Ensure that the check valve is working properly

Proper setup and regular inspection of the fuel system components significantly reduce the risk of a lack of fuel and ensure optimal operation

Med vänlig hälsning  
Radne Motor AB