

Carburetor Troubleshooting

floods

- floats set too high
- float sticking, misaligned
- float needle seat worn or damaged
- BS34, float needle body o ring defect
- BS38, float needle body washer defect
- float ruptured

lean - idle

- pilot jet too small
- air leak
- pilot air screw not adjusted properly
- slide worn
- cheap pod filter blocking air jet

lean - acceleration

- float level too low
- jets clogged
- worn or damaged slide

lean - midrange

- air leak
- main or needle jet clogged

lean - high speed

- float level too low
- main jet too small
- main jet blocked

lean - full range

- tank cap vent
- filters blocked
- air leaks
- worn slide

rich - idle

- pilot air screw incorrectly adjusted
- pilot jet too large
- dirty pilot circuits
- cheap pod filter blocking air jet

rich - midrange

- flooding
- main jet too big
- dirty air filter

rich - high speed

- flooding
- main jet too big
- dirty air filter

rich - full range

- flooding
- dirty air filter

carb - chirping

- inlet manifold cracked, not sealing to carb
- inlet manifold gasket
- vacuum barb bung
- butterfly shaft seals
- diaphragm
- air filter manifold
- air mix screw o-ring

- more reading [here](#)