

Carburetor Replacement or Repair

This bulletin covers the following Champion Power Equipment models:

270cc – 389cc Engine Powered Generators, First Generation

Note: Read instructions completely before performing service.

1. Remove gas tank for convenience by removing 4 corner bolts that hold tank on. Be sure to turn the fuel valve to the off position and remove the fuel line from the valve. Remove 2 bolts that hold the frame bar on and slide the fuel tank out of the chassis. Place fuel tank in secure location to prevent accidental damage.
2. Remove air filter cover, foam filter and the 4 phillips head bolts securing grid to air cleaner case. Remove the 2 ten millimeter nuts holding metal air cleaner base to engine. Remove stabilizer bracket bolt at the lower portion of the air cleaner base. Carefully remove air cleaner housing and set aside with all hardware.
3. The throttle spring (fine coiled spring) which is installed around the governor rod can be carefully removed from the black pivot arm on the carburetor. After removal of the springs hook, rotate the black pivot arm in full rotation and lift the governor rod out of the hole.
4. At this time, removal of the old carburetor can be done. Pay close attention to the removal of the gaskets and plastic insulator use between the engine and the carburetor.
5. Skip steps 6 and 7 if only replacing carburetor and not repairing.
6. After removal of the carburetor from the engine, hold the carburetor upside down and remove the 2 phillips screws that hold the fuel shut off solenoid; screws may be extremely tight please use caution when removing to not strip the head on the screw. After removing the screws you can remove the solenoid by pulling it straight away from the bottom of the float bowl. After the solenoid has been separated from the carburetor remove the thin 14 millimeter bolt where the fuel solenoid fits into. Upon removal of the bolt, remove the float bowl and the float will then be in plain sight. You will find a metal pivot pin at the backside of the float that the float hinges on. Remove the pin and the float will separate.
7. Put the new float in place and replace the pivot pin to secure the float in place. Install the new float bowl o-ring and reassemble the carburetor.
8. Reverse the previous disassembly steps to reassemble.

If you have any questions, please contact Champion Power Equipment:

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