

The Campbell Group

Campbell Hausfeld • Wayne • Powerwinch

Instructions/Attach To:

Behind Generator Tab

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From: Generators

Concerning: 11 HP Vanguard Engine (Generator Ref. #GN0500)

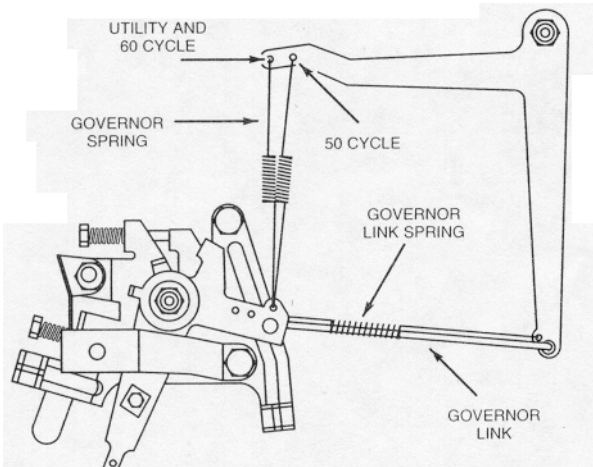
We have observed in some of our 11HP Vanguard Engines a "hunting" or "surging" of the engine. Under load, this gives an unsatisfactory voltage output consistency and must be corrected. We have found 4 causes for this problem, which are outlined below along with corrective actions. The Briggs Warranty Policy will cover these repairs.

Models effected: GN6031

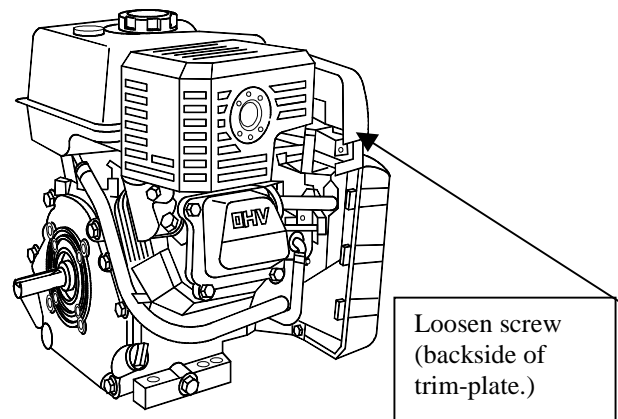
Manufacture dates: 1999, 2000

Please take the following action(s) to correct this problem. Re-test the unit after each action to correct the problem using the least amount of parts and labor.

1. Check the position of the governor spring as pictured and move the spring to the first (60-cycle) hole if it is in the 50-cycle hole.



Governor Spring Illustration



Choke Control Panel Illustration

2. Check for free movement of the choke lever to see that there is no interference with the plastic engine control panel. If necessary, loosen the left-side control panel mounting screw, slide the control panel away from the choke control lever (forward) and retighten the screw.
3. Install spark arrestor and exhaust deflector to the muffler. Briggs Part # 392390 And 396903
4. Replace the carburetor. Briggs Part # 715524

To test the unit, start the engine. Check for RPM reading of 3660RPM. To set RPMs, slightly loosen the nut on the throttle arm and the two set screws. Move the throttle control arm to set the correct RPMs and then tighten the set screws and throttle arm nut to lock the throttle at 3660 RPM.

Observe the unit for hunting and surging. Apply a load to the unit and check for proper volts and hertz. Turn off the load, and observe the unit for hunting and surging. Apply a load again, and check for proper volts and hertz. Turn off the load and observe for hunting and surging. The engine should settle down in 3-4 test cycles. If it continues to hunt and surge, replace the carburetor.