Carburetor Check Sheet

**GCV520/530**

**GXV520/530**

**COMPRESSION IGNITION**

**FUEL**

**Three Elements of Engine**

Before inspecting the fuel system, perform the minimum inspection for compression and ignition system.

### Before inspecting the fuel system, perform the minimum inspection for compression and ignition system.

1. **Priority check Points**

   - **1.** Remove foreign materials/dirt.
   - **2.** Remove foreign materials/dirt.
   - **3.** Remove foreign materials/dirt.
   - **4.** Remove foreign materials/dirt.
   - **5.** Remove foreign materials/dirt.
   - **6.** Remove foreign materials/dirt.
   - **7.** Remove foreign materials/dirt.
   - **8.** Remove foreign materials/dirt.
   - **9.** Remove foreign materials/dirt.
   - **10.** Remove foreign materials/dirt.
   - **11.** Remove foreign materials/dirt.
   - **12.** Remove foreign materials/dirt.

### Carburetor Jet Cleaner Set (07JPZ-001010B)

Carburetor cleaning tool is useful for removing foreign materials/dirt.

### Fuel cut solenoid valve

Connect the 12V battery to the fuel cut solenoid valve connector as shown. Check the needle of the valve, it should retract in when powered.

### Engine does not start

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.
- **4.** Throttle stop screw position incorrect.
- **5.** Float doesn’t move properly.

### Hard starting

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine starts but quickly stops

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine speed does not increase

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.
- **3.** Main jet clogged.
- **4.** Main nozzle clogged.
- **5.** Main nozzle air path clogged.

### Poor performance at high speed

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.
- **3.** Main jet clogged.
- **4.** Main nozzle clogged.
- **5.** Main nozzle air path clogged.

### Unstable engine speed

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.
- **3.** Main jet clogged.
- **4.** Main nozzle clogged.
- **5.** Main nozzle air path clogged.

### Engine speed does not increase

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.
- **3.** Main jet clogged.
- **4.** Main nozzle clogged.
- **5.** Main nozzle air path clogged.

### Poor performance at low speed

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.

### Unstable idle speed

- **1.** Pilot jet clogged.
- **2.** Pilot jet air path clogged.

### Engine does not start

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.
- **4.** Throttle stop screw position incorrect.
- **5.** Float doesn’t move properly.

### Hard starting

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine starts but quickly stops

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine does not start

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Hard starting

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine starts but quickly stops

- **1.** Main jet clogged.
- **2.** Main nozzle clogged.
- **3.** Main nozzle air path clogged.

### Engine storage (More than 3 months)

Drain gasoline from the float chamber by loosening the drain screw while the engine is stopped.

### Check float chamber

Water inside the float chamber can cause engine failure. Remove float chamber and clean or replace.

* See specific shop manual for detailed information

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