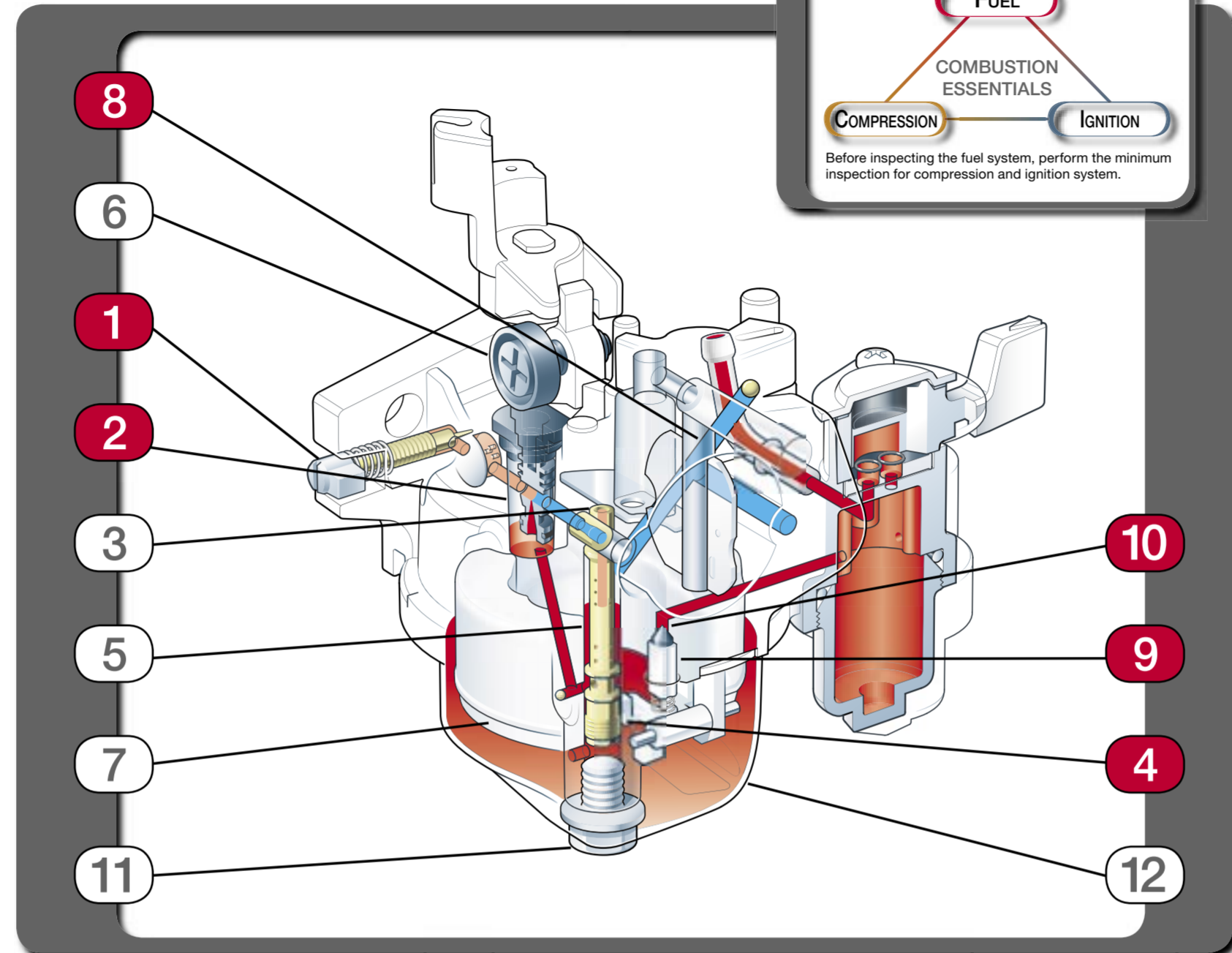
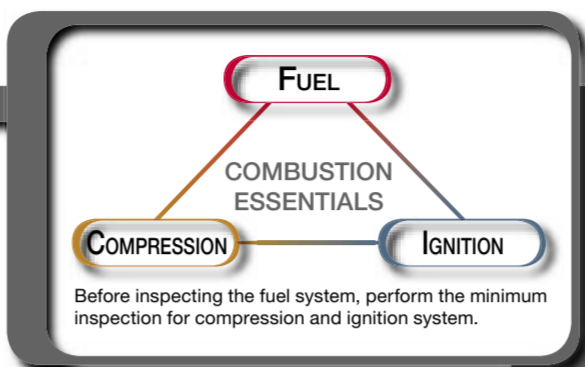


Carburetor Check Sheet GX120/140/160/200/240/270/340/390 GXV140/160/270/340/390

Priority check Points : 1 2 4 8 9 10



Air flow Fuel flow Mixture

- Unstable idle speed
- Poor performance at low speed

- 1 Pilot screw clogged.** Remove foreign material/dirt. Replace pilot screw.
- 2 Pilot jet clogged.** Use needle B (Ø 0.3) to clean. Remove foreign material/dirt.
- 3 Pilot jet air path clogged.** Remove foreign material/dirt.

- Engine will not start
- Difficult starting
- Engine starts but stops quickly

- 4 Main jet clogged.** Use needle A (Ø 0.5) to clean. Remove foreign material/dirt.
- 5 Main nozzle clogged.** Remove foreign material/dirt.
- 6 Throttle stop screw position incorrect.** Set correct idle speed.
- 7 Float doesn't move properly.** Remove foreign material around float pin.

- 11 For extended storage of the engine (More than 3 months).** Drain gasoline from float chamber by running the engine until it stops or by loosening the drain screw while engine is stopped.
- 12 Float chamber check** Water inside float chamber. Take off float chamber and clean or replace.

- Engine speed will not increase
- Poor performance at high speed
- Unstable engine speed

- 1 Pilot screw clogged.** Remove foreign material/dirt. Replace pilot screw.
- 2 Pilot jet clogged.** Use needle B (Ø 0.3) to clean. Remove foreign material/dirt.
- 3 Pilot jet air path clogged.** Remove foreign material/dirt.
- 4 Main jet clogged.** Use needle A (Ø 0.5) to clean. Remove foreign material/dirt.
- 5 Main nozzle clogged.** Remove foreign material/dirt.
- 8 Main nozzle air path clogged.** Remove foreign material/dirt.

Pilot screw and limiter cap replacement

Pilot screw brakes at narrow point.

When the cap is removed, the pilot screw breaks at the neck. To remove the remaining screw, fit an appropriate rubber tube over the remaining stub and unscrew.

Install a new pilot screw and set it to the specified position. (Refer to shop manual.) Then install the limiter cap with LOCTITE 638.

- Overflow
- Gasoline leak

- 9 Float valve worn or coated with foreign material/dirt.** Remove foreign material/dirt.
- 10 Valve seat coated with foreign material/dirt.** Remove foreign material/dirt. Take care not to damage the seat surface.

Using of Carburetor Cleaning Kit (Kit No.07JPZ-0010001)

Carburetor cleaning kit for removing foreign material/dirt.

- Needle A (Ø 0.5) (Main jet)
- Needle B (Ø 0.3) (Pilot jet)
- Pump nozzle (Air blow for jets and air paths)
- Screw driver (Main jet assemble /disassemble)