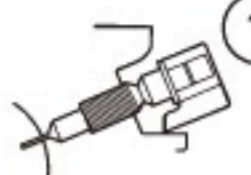
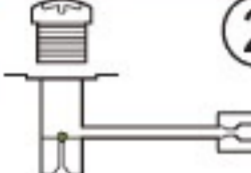
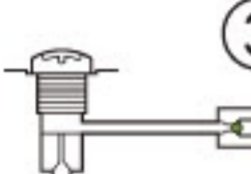
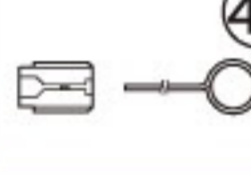

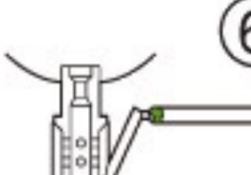



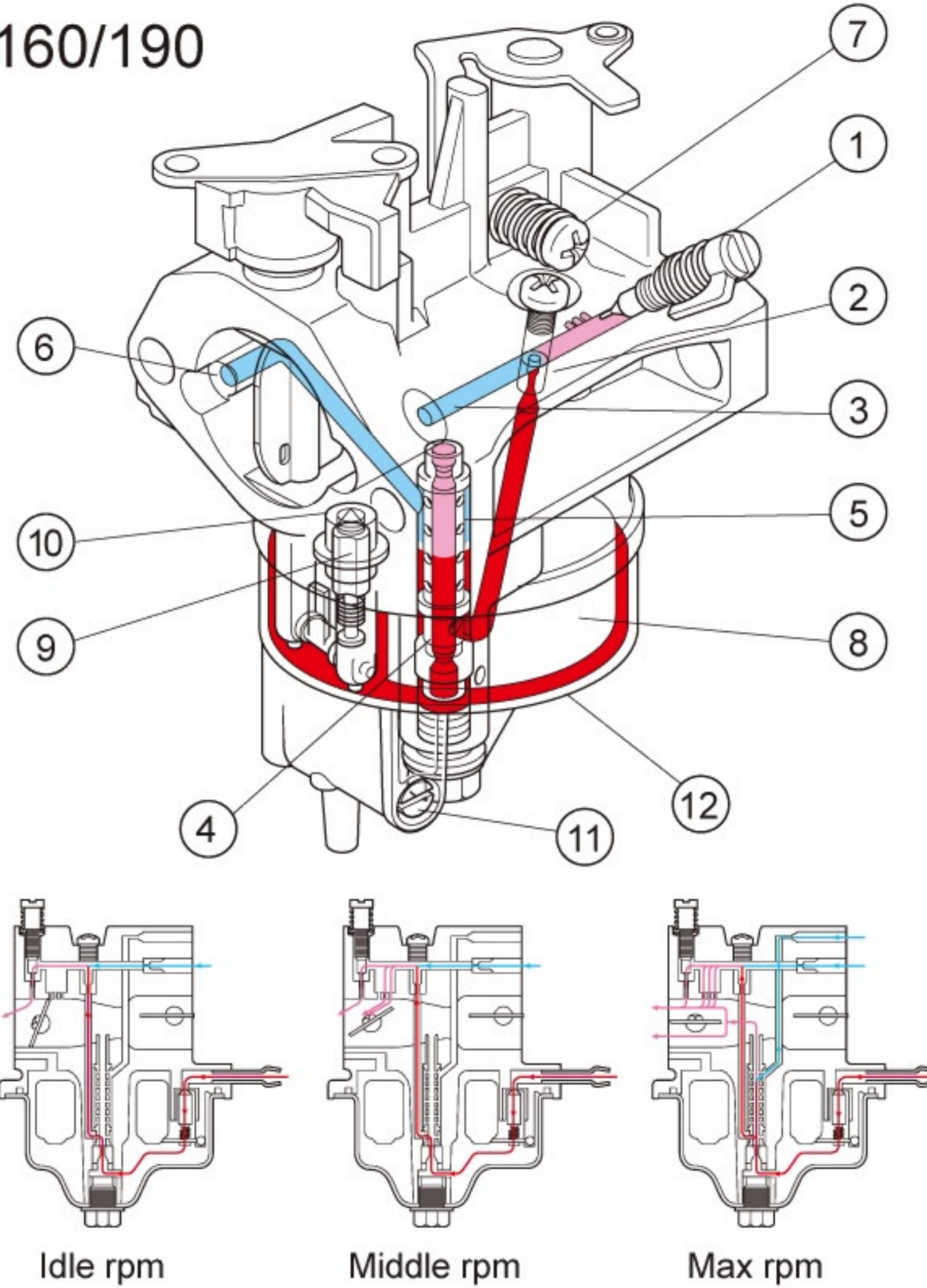


Carburetor Check Sheet


GC-GCV135/160/190
GS-GSV160/190

 Priority check points


Symptom	Cause	Inspection point
<When Idling> Unstable idle speed	Pilot screw coated with foreign material.	 ① Remove foreign materials/dirt. Replace pilot screw.
	Pilot jet clogged.	 ② Remove foreign materials/dirt.
	Pilot jet air path clogged.	 ③ Remove foreign materials/dirt.
Engine does not start Hard starting Engine starts but quickly stops	Main jet clogged.	 ④* Remove foreign materials/dirt.
	Main nozzle clogged.	 ⑤ Remove foreign materials/dirt.
	Main nozzle air path clogged.	 ⑥ Remove foreign materials/dirt.
	Throttle stop screw position incorrect.	 ⑦ Set correct idle speed.
	Float doesn't move properly.	 ⑧ Remove foreign materials around float pin.
	Overflow Gasoline leaks	Float valve worn or coated with foreign materials/dirt.
Valve seat worn or coated with foreign materials/dirt.		 ⑩ Don't damage the seat surface. Remove foreign materials/dirt.



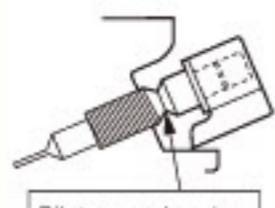
⑪ For long storage of the engine (more than 3 months).
Drain gasoline from float chamber by loosening the drain bolt while the engine is stopped.



⑫ Check float chamber
Water inside float chamber can cause engine failure. Remove float chamber and clean or replace.




Pilot screw and limiter cap replacement



Pilot screw breaks at narrow point.

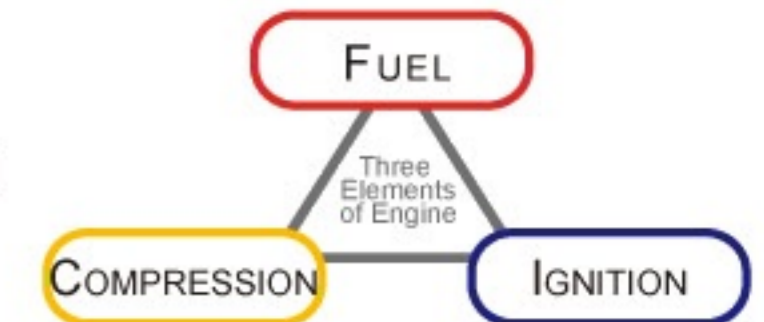
When the cap is removed, the pilot screw breaks at the narrow point, between head and thread. To remove the remaining screw, fit an appropriate rubber tube over the remaining screw and turn it.




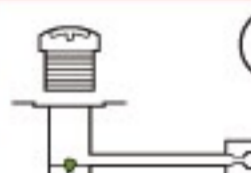
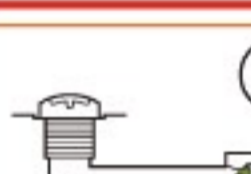




Apply LOCTITE 638
PILOT SCREW
LIMITER CAP
STOPPER

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

For General Reference Only ^[1]



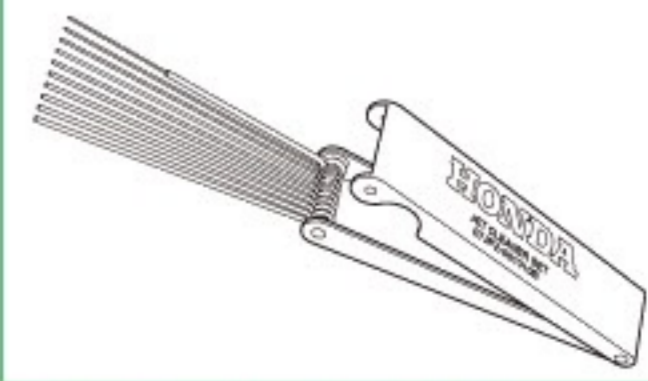
Before inspecting the fuel system, perform the minimum inspection for compression and ignition system.

Symptom	Cause	Inspection point
<Full throttle> Engine speed does not increase	Pilot screw coated with foreign material.	 ① Remove foreign materials/dirt. Replace pilot screw.
	Pilot jet clogged.	 ② Remove foreign materials/dirt.
Poor performance at high speed	Pilot jet clogged.	 ② Remove foreign materials/dirt.
Unstable engine speed	Pilot jet air path clogged.	 ③ Remove foreign materials/dirt.
	Main jet clogged.	 ④* Remove foreign materials/dirt.
Unstable engine speed	Main nozzle clogged.	 ⑤ Remove foreign materials/dirt.
	Main nozzle air path clogged.	 ⑥ Remove foreign materials/dirt.

Carburetor Cleaning Tools


Carburetor cleaning tools are useful for removing foreign materials/dirt.

*Jet Cleaning Tool (07JPZ-001010B)



- Clean jet holes with compressed air.
- Remove foreign material with needles.
- Clean with carburetor cleaner and air blow and recheck.

Ultrasonic Parts Cleaner
Call 888-424-6857



- Cleans in 10 - 20 min.
- Uses soapy water and heat.
- Will not harm seals & O-rings.
- Cleans internal passageways.

Caution: Using thick needles and applying strong force to needles will damage jets and nozzles.