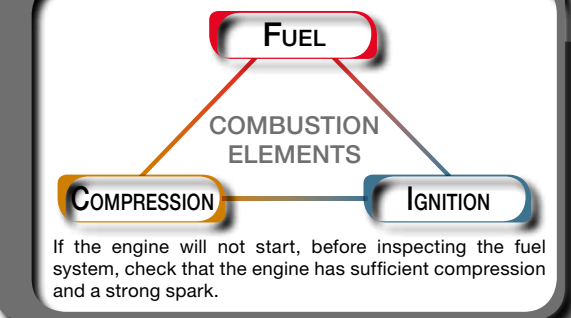
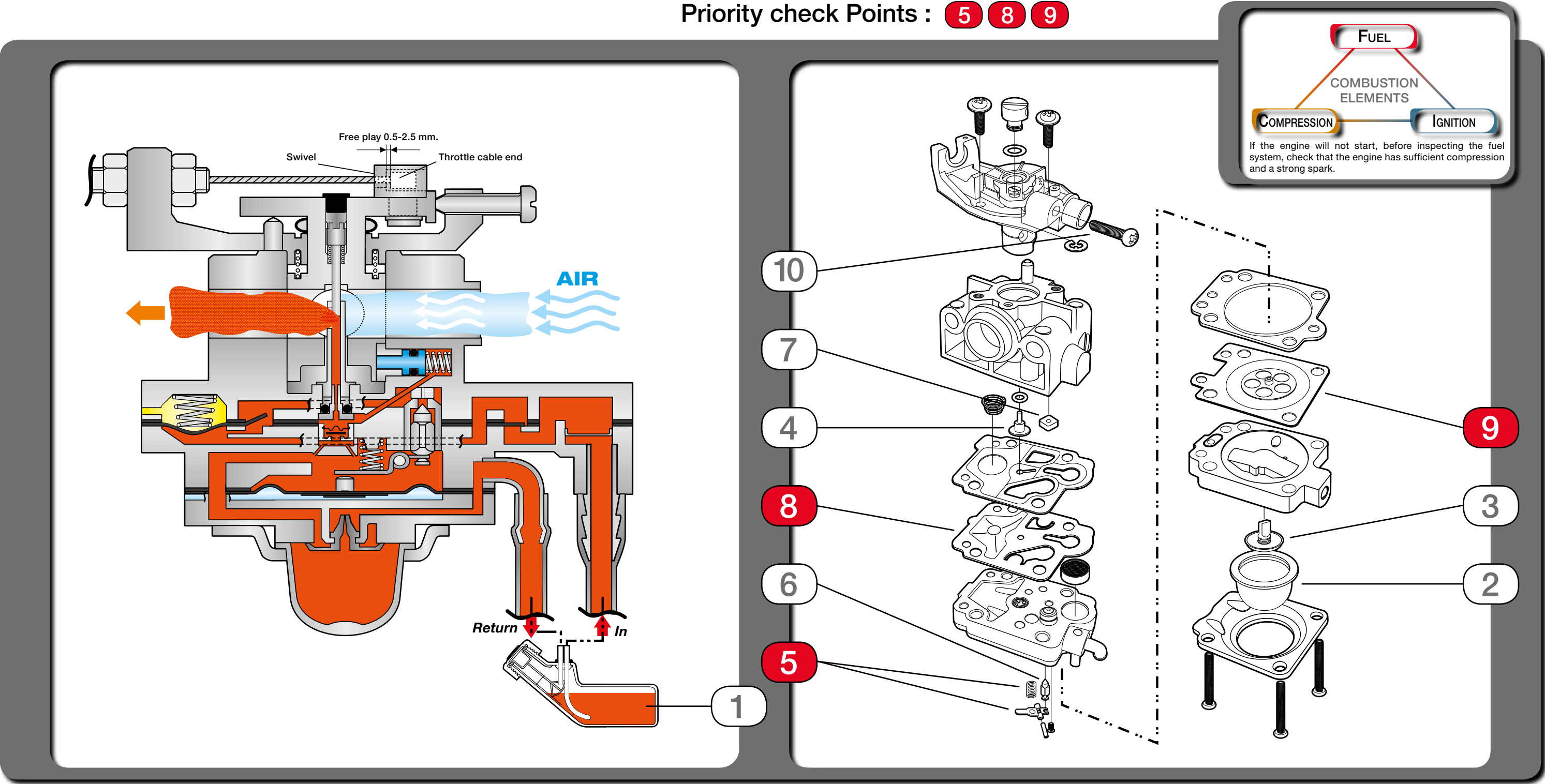


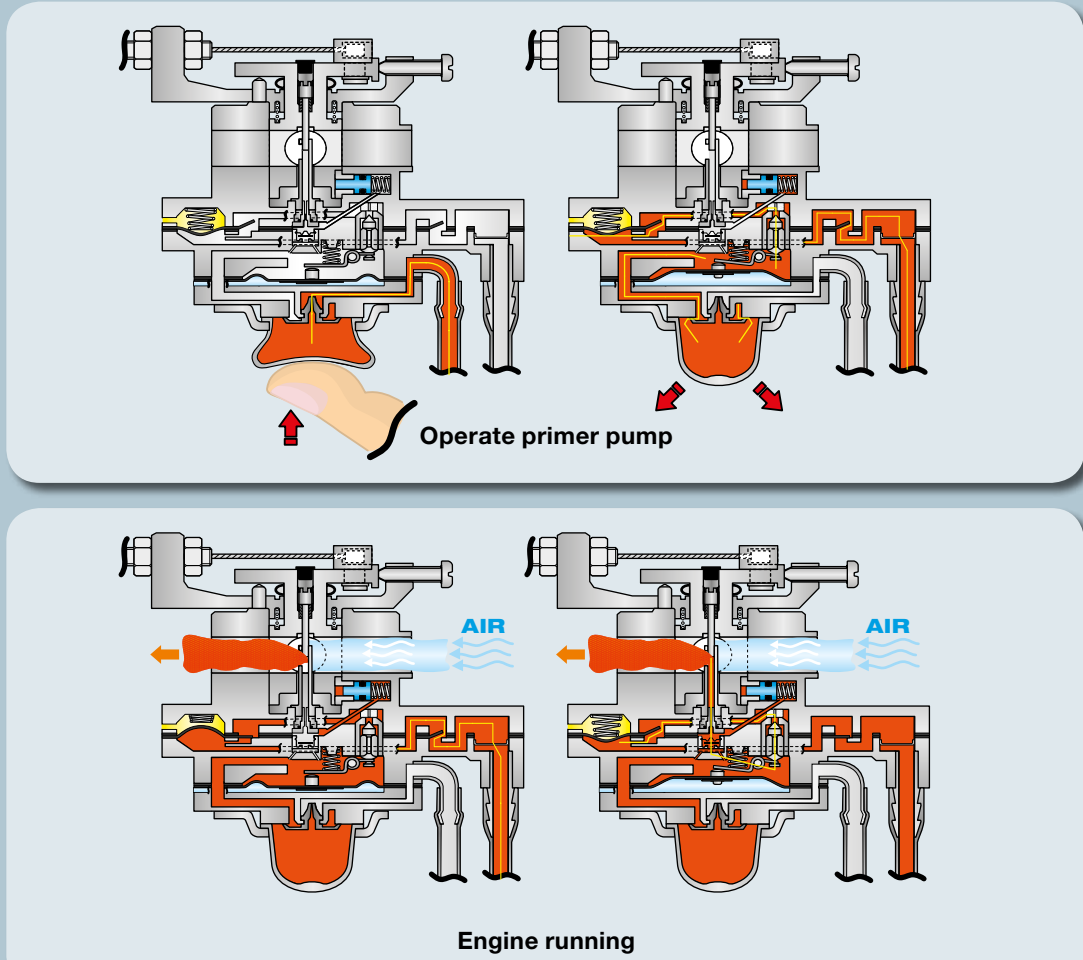
# Carburettor Check Sheet GX25 - GX35 - GX50



Priority check Points : 5 8 9

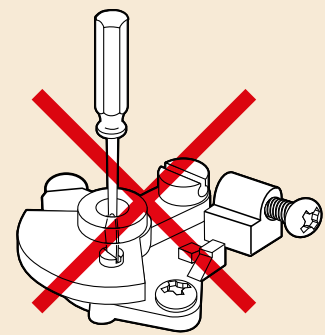


## Fuel Flow Chart

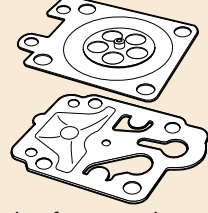


## Caution Point

Do not adjust idle needle pin during carburetor maintenance.

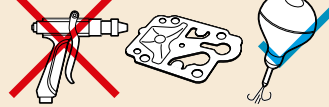


The pump and metering diaphragms are made of rubber. Rubber deteriorates over time, so check and replace these parts if necessary.



Check for cracks, holes, tears and general perishing of the rubber parts.

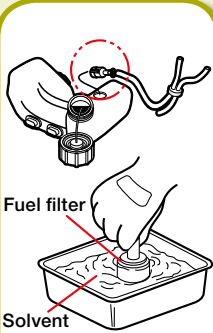
Do not apply high air pressure to plastic and rubber parts.



Clean with a soft brush.

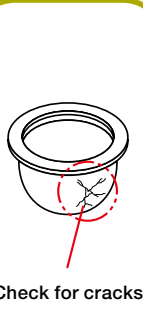
## Inspection point

- |                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------------------|---|---|---|---|---|---|---|---|---|----|----|
| Fuel filter         |   |   |   |   |   |   |   |   |   |    |    |
| Primer pump         |   |   |   |   |   |   |   |   |   |    |    |
| Combination valve   |   |   |   |   |   |   |   |   |   |    |    |
| Main jet            |   |   |   |   |   |   |   |   |   |    |    |
| Metering lever      |   |   |   |   |   |   |   |   |   |    |    |
| Inlet needle valve  |   |   |   |   |   |   |   |   |   |    |    |
| Fuel inlet filter   |   |   |   |   |   |   |   |   |   |    |    |
| Pump diaphragm      |   |   |   |   |   |   |   |   |   |    |    |
| Metering diaphragm  |   |   |   |   |   |   |   |   |   |    |    |
| Throttle stop screw |   |   |   |   |   |   |   |   |   |    |    |
| Shroud              |   |   |   |   |   |   |   |   |   |    |    |



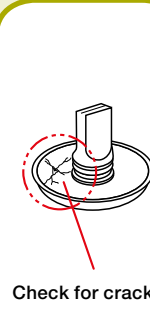
Fuel filter

Solvent



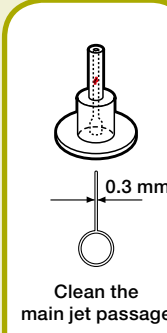
Primer pump

Check for cracks



Combination valve

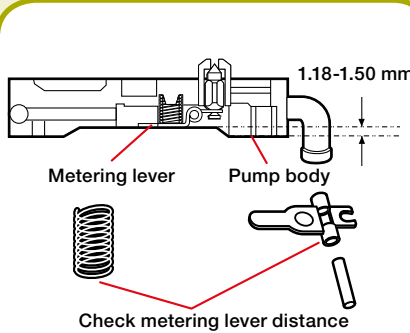
Check for cracks



Main jet

0.3 mm.

Clean the main jet passage

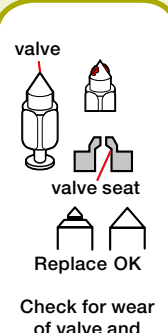


Metering lever

Pump body

1.18-1.50 mm.

Check metering lever distance



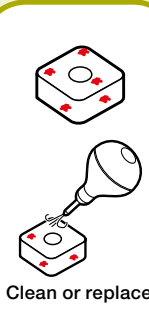
Inlet needle valve

valve

valve seat

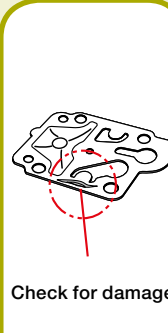
Replace OK

Check for wear of valve and valve seat



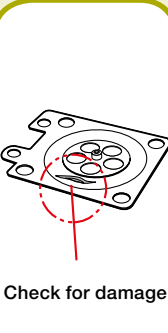
Fuel inlet filter

Clean or replace



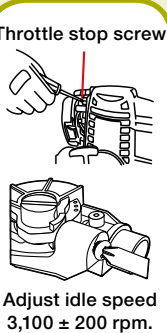
Pump diaphragm

Check for damage



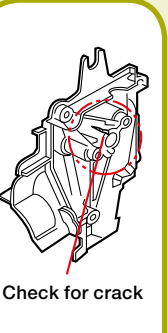
Metering diaphragm

Check for damage



Throttle stop screw

Adjust idle speed 3,100 ± 200 rpm.



Shroud

Check for crack

Hard to prime with primer pump

○

○

○

●

Engine does not start

○

○

○

●

Idle speed is not stable

○

○

○

●

High speed is not stable

○

○

○

●

Engine does not accelerate

○

○

○

●

Overflow

○

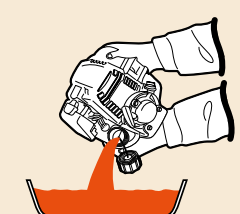
●

○

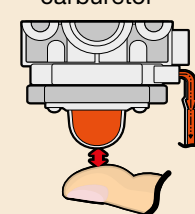
○

If the engine will be stored, or not used for more than 1 month, drain the fuel to prevent hard starting.

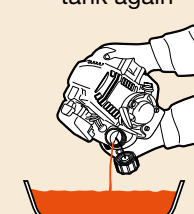
1. Drain fuel from tank



2. Drain fuel from carburetor



3. Drain fuel from fuel tank again



4. Keep engine in shady ventilated storage



Do not use old fuel  
Fuel deteriorates quickly  
Old fuel makes engines very difficult to start  
Always use fresh fuel