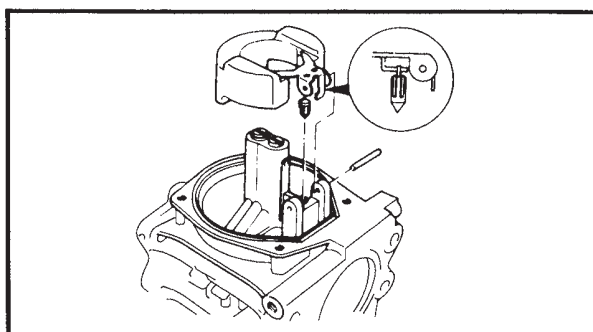
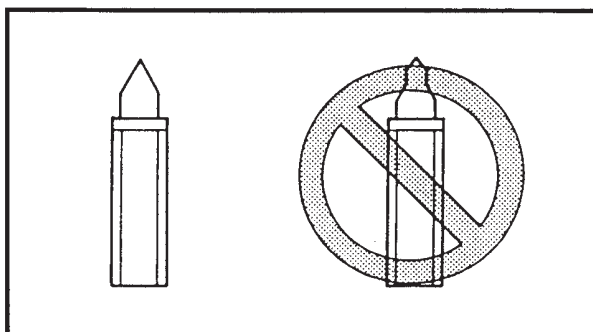
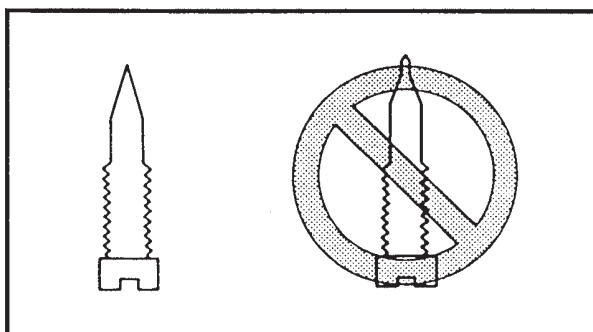
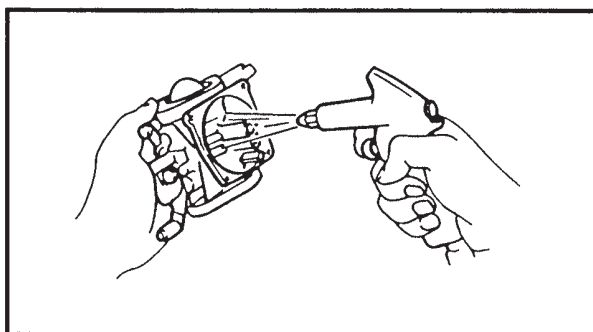




## INSPECTING THE CARBURETOR

### CAUTION:

Do not use a steel wire to clean the jets. This may enlarge the jet diameters and seriously affect performance.

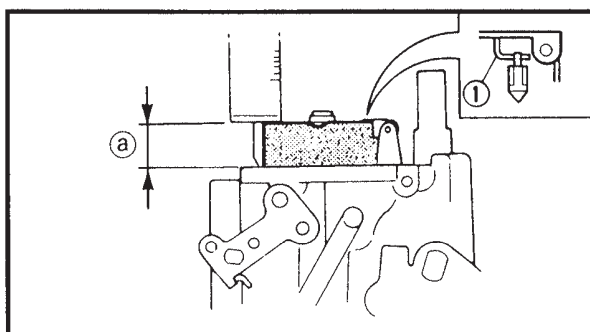
1. Inspect:
  - Carburetor body
  - Cracks/damage → Replace.
  - Contamination → Clean.
2. Inspect:
  - Pilot screw
  - Bends/wear → Replace.
3. Inspect:
  - Main jet
  - Pilot jet
  - Pilot air jet
  - Contamination → Clean.
4. Inspect:
  - Needle valve
  - Grooved wear → Replace.
5. Inspect:
  - Float
  - Cracks/damage → Replace.

## ASSEMBLING THE CARBURETOR

1. Install:
  - Needle valve
  - Float
  - Float pin

### NOTE:

- When installing the float into the carburetor, place the needle valve into the needle valve seat.
- After installation, make sure that the float operates smoothly.



## 2. Measure:

- Float height ②

(without the gasket)

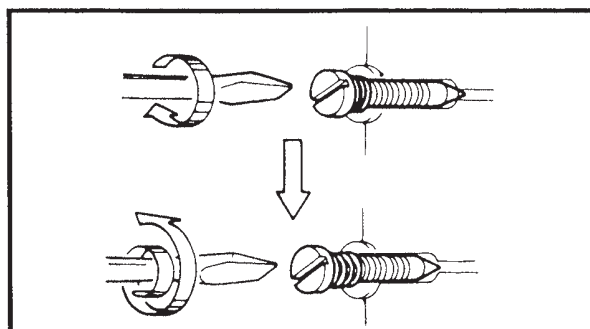
Out of specification → Adjust the float height by bending the tab ①.

**Float height**

$16.0 \pm 0.5 \text{ mm } (0.63 \pm 0.02 \text{ in})$

**NOTE:**

- The float should be resting on the needle valve, but not compressing it.
- Take measurements at the end of the float, opposite the side it pivots on.



## 3. Adjust:

- Pilot screw

**Adjustment steps**

- (1) Turn in the pilot screw until it is lightly seated.
- (2) Turn out the pilot screw to specification.

**Pilot screw (turns out)**

150A, L150A, 150F/  
C150TR:  $1 \pm 1/4$

S150F, LS150F/  
S150TR, L150TR:  $1-1/4 \pm 1/4$

150G, D150H/  
P150TR, D150TR:

(S)  $1-9/16 \pm 1/4$

(P)  $1-1/16 \pm 1/4$

175A, 175D:  $1-1/16 \pm 1/4$

S175D/S175TR:  $1-1/8 \pm 1/4$

200A, L200A, 200F,

L200F/200TR:  $1-1/8 \pm 1/4$

175F/P175TR: (S)  $1-5/8 \pm 1/4$

(P)  $1-1/8 \pm 1/4$

S200F, LS200F/

S200TR, L200TR: (S)  $1-1/8 \pm 1/4$

(P)  $5/8 \pm 1/4$

200G, 225D/P200TR:

(S)  $1-1/4 \pm 1/4$

(P)  $3/4 \pm 1/4$