



INSTRUCTIONS

-J01099

REV. 9-1-91

Kit Number 27886-78A

CARBURETOR FUEL INLET VALVE KIT

General

This kit is designed for installation on all Keihin carburetors.

Kit contents:

QTY	DESCRIPTION
1	Fuel inlet valve

A Service Manual for your model motorcycle is available from your Harley-Davidson Dealer.

Installation

1. See the appropriate Service Manual for all removal, assembly, and disassembly procedures.
2. Remove float bowl. To replace fuel inlet valve, see appropriate Service Manual procedure.

Float Level

CAUTION

After installation of 4-sided fuel inlet valve, it is important that the float be adjusted using the following procedure. Incorrect float adjustment could cause a very lean or rich carburetor condition.

1. See Figure 1. Place carburetor on a flat, clean surface on engine manifold side. This is the "base". Tilt carburetor counterclockwise 15° to 20° from base until float comes to rest.

NOTE

If carburetor is tilted less than 15° and more than 20°, your measurements may be incorrect.

2. Use a vernier or dial caliper depth gauge to measure from the carburetor flange face to the perimeter of the float. Be careful not to push on float while measuring.

3. Check measurement:

On 1992 and later CV carburetors, the measurement should be 0.413 - 0.453 in.

On 1991 and earlier CV carburetors, the measurement should be 0.690 - 0.730 in.

On pre-CV carburetors the measurement should be 0.630 - 0.670 in.

If measurement is not within given dimension carefully bend tab to position float at proper level.

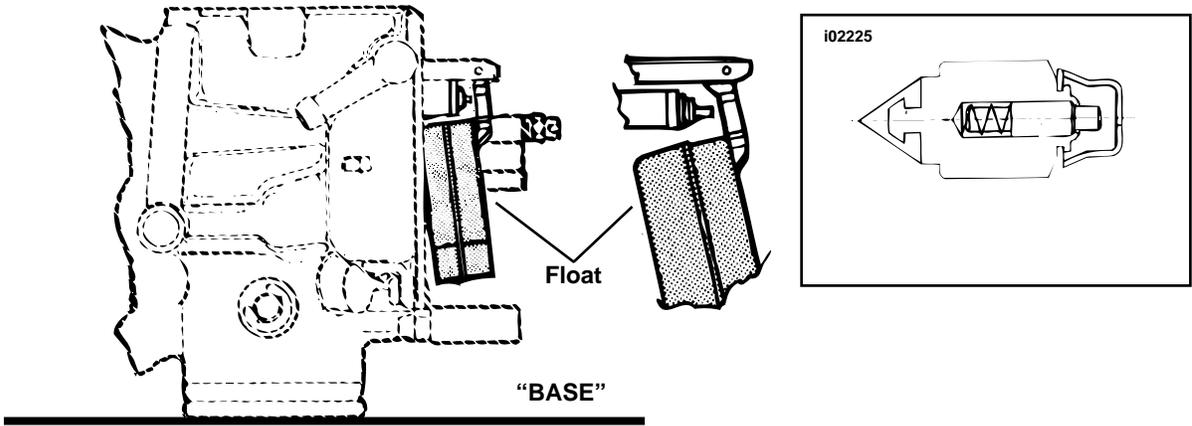
4. Install float bowl and recheck setting.

5. Install carburetor.

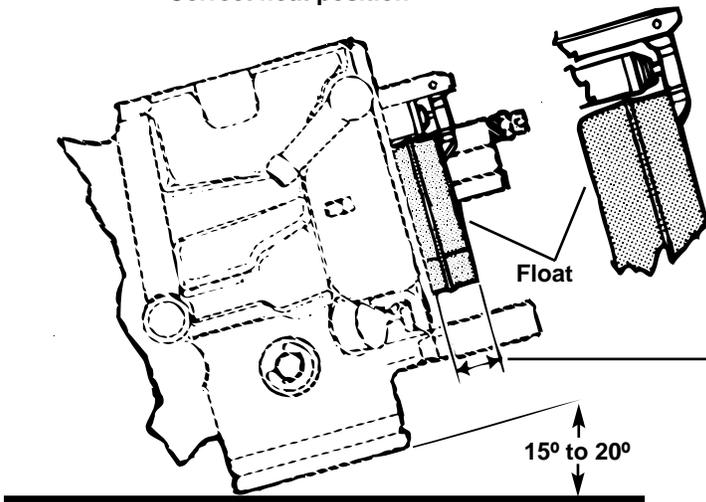
NOTE

Four sided fuel inlet valves may be used in any Keihin carburetor. Three sided valves should not be used in CV carburetors.

Start float position



Correct float position



NOTE

The 1991 and earlier carburetors have a two-piece round float.

- 1992 and later CV - 0.413 - 0.453 in.
- 1991 and earlier CV - 0.690 - 0.730 in.
- Pre-CV - 0.630 - 0.670 in.

Incorrect float position

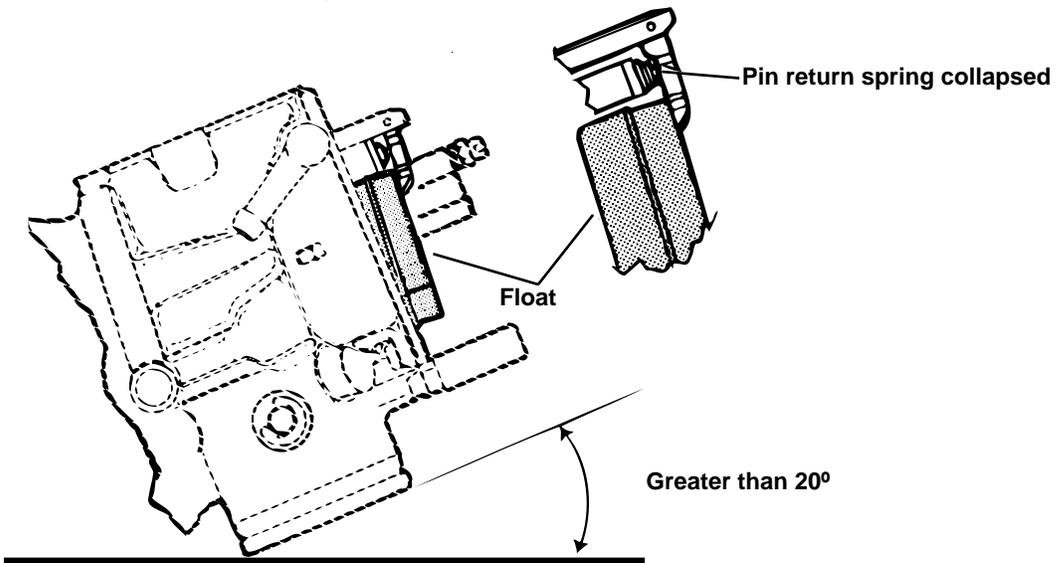


Figure 1. Float adjustment