



INSTRUCTIONS

J01099

2013-11-01



CARBURETOR FUEL INLET VALVE KIT

GENERAL

Kit Numbers

27886-78A

Models

This kit is designed for installation on all Keihin carburetors.

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

Kit Contents

Table 1. Kit Contents

Quantity	Description
1	Fuel inlet valve

INSTALLATION

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

Float Level

NOTE

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.

▲ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

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

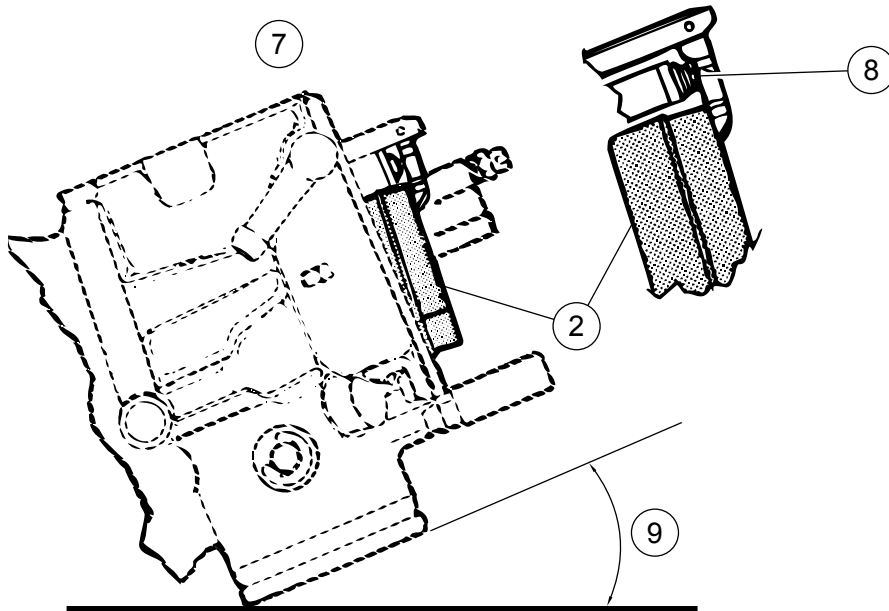
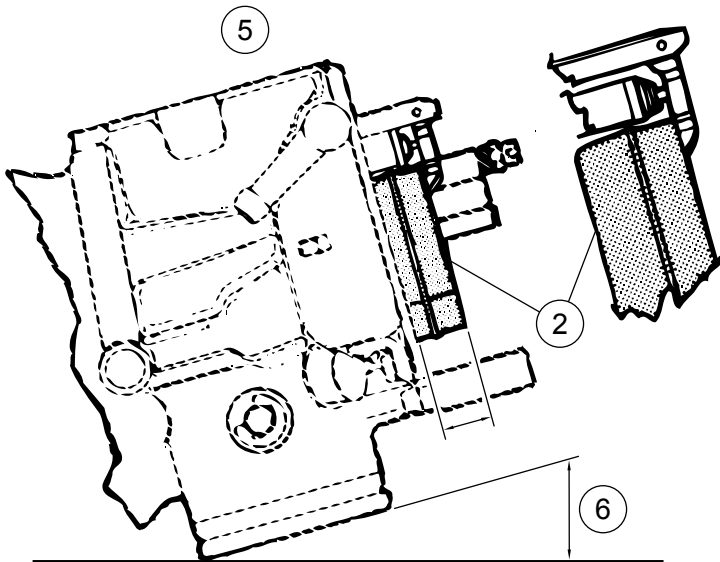
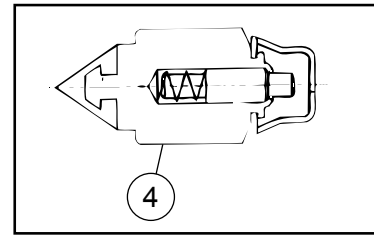
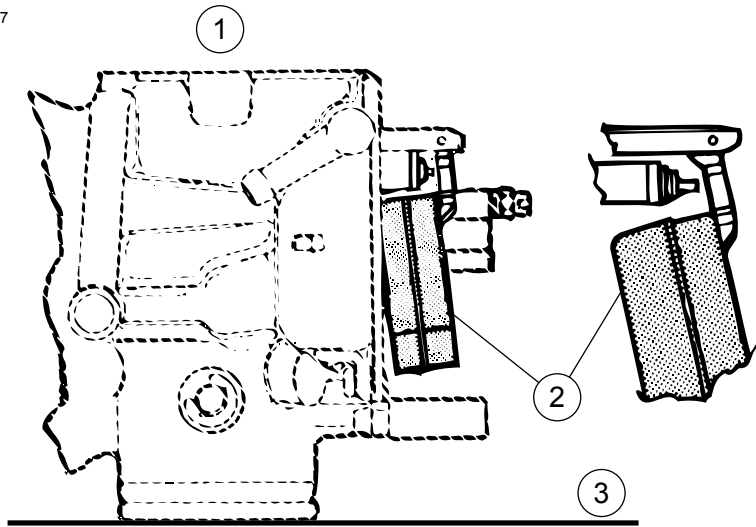
If carburetor is tilted less than 15° and more than 20°, your measurements may be incorrect.

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: If measurement is not within given dimension carefully bend tab to position float at proper level.
 - a. On 1992 and later CV carburetors, the measurement should be 0.413-0.453 in. (10.4-11.5 mm).
 - b. On 1991 and earlier CV carburetors, the measurement should be 0.690-0.730 in. (17.5-18.5 mm).
 - c. On pre-CV carburetors the measurement should be 0.630-0.670 in. (16.0-17.0 mm).
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.





1. Start float position

6. 15°-20°

2. Float
3. BASE
4. Needle valve
5. Correct float position

7. Incorrect float position
8. Pin return spring collapsed
9. Greater than 20°

Figure 1. Float Adjustment