

Carburetor Float Heights

Model	Float Height
BF20 / BF2A	0.413 - 0.531 in. (10.5 - 13.5 mm) non-adjustable
BF50 / BF5A	0.35 - 0.43 in. (9.0 - 11.0 mm) non-adjustable
BF75 / BF100 / BF8A	0.39 in. (10.0 mm) adjustable
BF9.9 / BF15	0.51 - 0.59 in. (13 - 15 mm) non-adjustable
BF25A	0.6 in. (14 mm) adjustable
BF30A	0.5 in. (13 mm) adjustable
BF35A / BF45A	0.6 in. (14 mm) adjustable
BF40A / BF50A	0.6 in. (14 mm) adjustable
BF75A / BF90A	0.45 in. (11.5 mm) adjustable

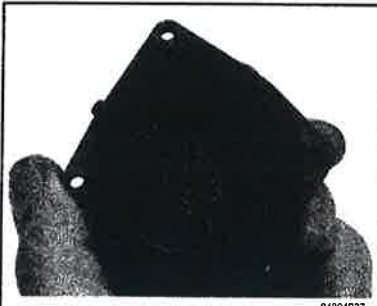
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- Slide a new needle valve into the groove of the float arm.
- Lower the float arm into position with the needle valve sliding into the needle valve seat. Now, push the float pin through the holes in the carburetor body and hinge using a small awl or similar tool if needed.
- Hold the carburetor body in a perfect upright position. Measure the distance from the float top to the carburetor body. If the measurement is out of specification, carefully bend the hinge, to achieve the required measurement.

➔ BF 20A, BF2A, BF50, BF5A, BF9.9 and BF15 are non-adjustable and the entire float assembly must be replaced).

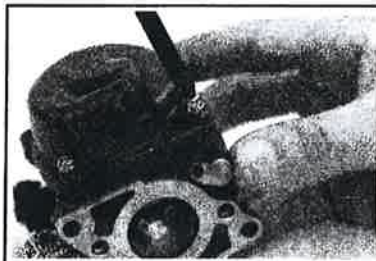
This is a very important procedure, as it will determine how much fuel is maintained in the float bowl and will prevent fuel starvation and flooding.

- Install the float valve assembly and check for free movement.



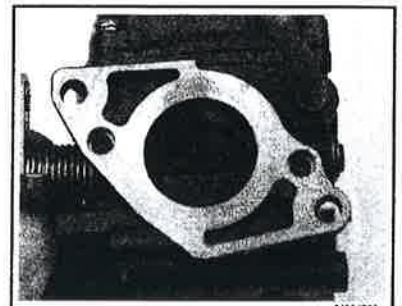
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Fig. 46 Inspect the inside of the float bowl for dirt and debris. Also check the condition of the rubber O-ring



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Fig. 47 Do not over tighten the float bowl screws. If you don't break the screw off in the carburetor body, it is possible to crack the float bowl itself



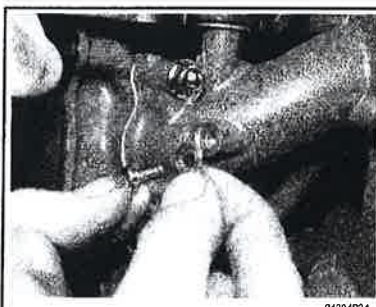
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Fig. 48 Clean the carburetor gasket surface, making sure there is no old gasket material left to create a potential air leak



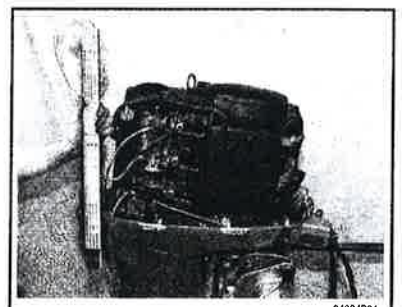
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Fig. 49 Make sure the gaskets are installed in their correct positions prior to installation



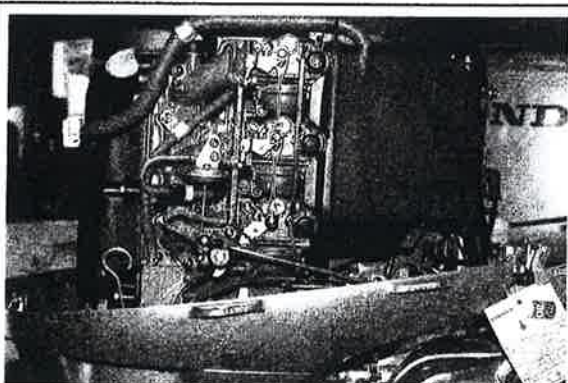
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Fig. 50 To synchronize the carburetors, remove the screw and sealing washer on each intake manifold . . .



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Fig. 51 . . . and install the vacuum gauges to each cylinder intake manifold with the correct adapters



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Fig. 52 Final carburetor installation on a 3-cylinder powerhead

Carburetor Pilot Screw Specifications

Horsepower	Carb Pilot Screw Turns Out
BF130A	-
BF115A	-
BF90A	2 1/4
BF75A	1 7/8
BF50A	1
BF45A	2 1/8
BF40A	2 1/4
BF35A	2 1/8
BF30A	3
BF25A	2
BF15A	1 5/8
BF9.9A	2 3/4
BF75/BF100	2 1/2
BF8A/BF80	2 1/2
BF5A/BF50	2 3/8
BF2A/BF20	2 1/8

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