

# Triumph Service Bulletin

## Amal Concentric Carb's

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# TRIUMPH USA

Number: (General) 2/73  
Subject: Adjusting Float Level  
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## SERVICE BULLETIN

TRIUMPH MOTORCYCLE CORPORATION

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### CHECKING AND ADJUSTING THE AMAL CONCENTRIC FLOAT LEVEL

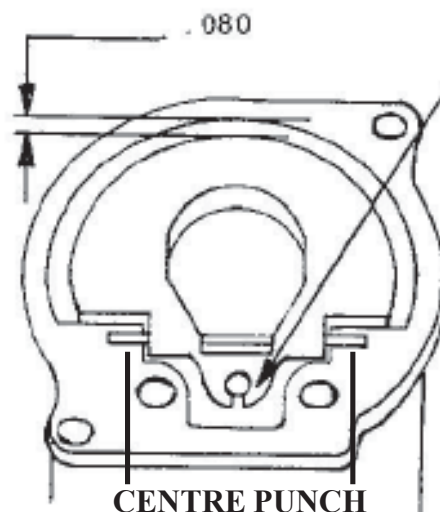
Occasionally you may encounter a machine which runs erratically due to an over-rich condition. You may also find that this problem machine is fitted with the proper size jets and has the same adjustments as a model which runs perfectly.

After many hours of investigation, we found that the normal cause for the problem outlined above is a high float level setting.

#### CHECK FLOAT LEVEL

Remove the float assembly from carburetor. Drain gas from float bowl. Using a small screwdriver or other suitable tool, depress the float tab which operates the float needle, until needle contacts seat. While holding the float in this position, measure the distance from the top of float bowl to the top of float. The proper measurement is .080. If the measurement is less than .080 the float level will need lowering. SEE FIG. 1.

FIG. 1



PUSH ON TAB ONLY  
NOT ON NEEDLE

After checking, and if necessary, adjusting, float level to ensure it is exactly .080" below the bowl gasket surface, the staff at British Cycle Supply has found that gently staking the float pivot pin in position with a centerpunch in two spots, as noted in figure 1, is very important. This stops the float pivot pin from moving at all in the bowl, but still allows the float to pivot on the pin, thus maintaining the float setting and preventing the needle from cocking and sticking. We recommend performing all the work noted in this service bulletin on all Concentrics, even new ones. Be very careful, to avoid damaging seat or bowl.

CENTRE PUNCH

ADJUSTING FLOAT LEVEL

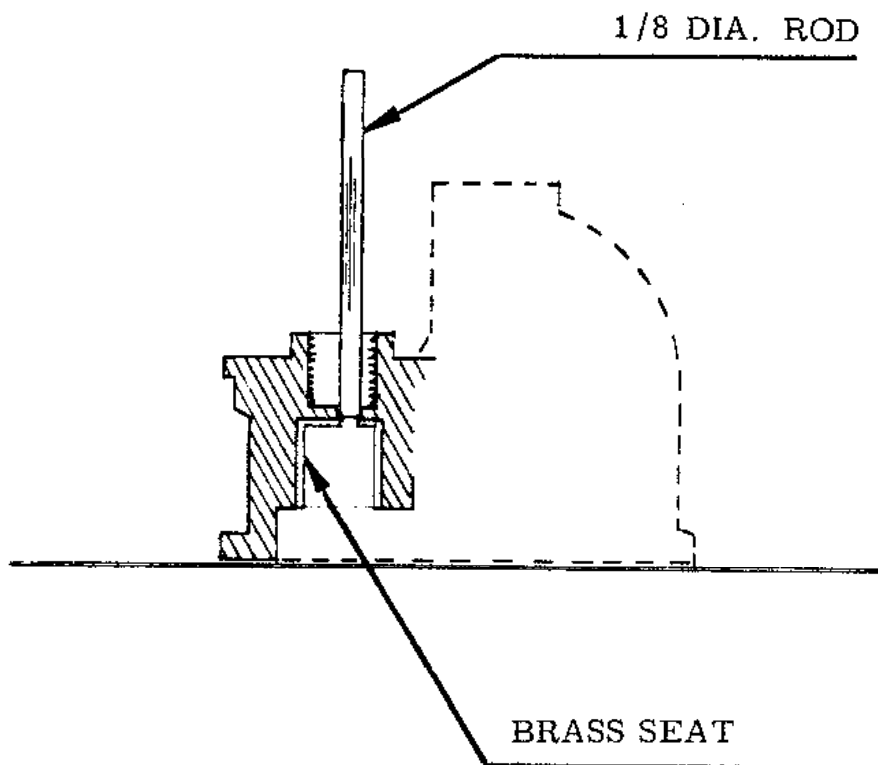
Remove all fittings from float bowl.

Using a propane torch, heat the bowl slightly. This will free the brass seat so it can easily be moved.

Using an 1/8 diameter rod, gently tap the brass seat until the proper setting is attained. SEE FIG. 2.

CAUTION: Do not attempt to move seat without heating bowl.

FIG. 2



NOTE: The .080 measurement is proper for current Single, Twin and Triple models.