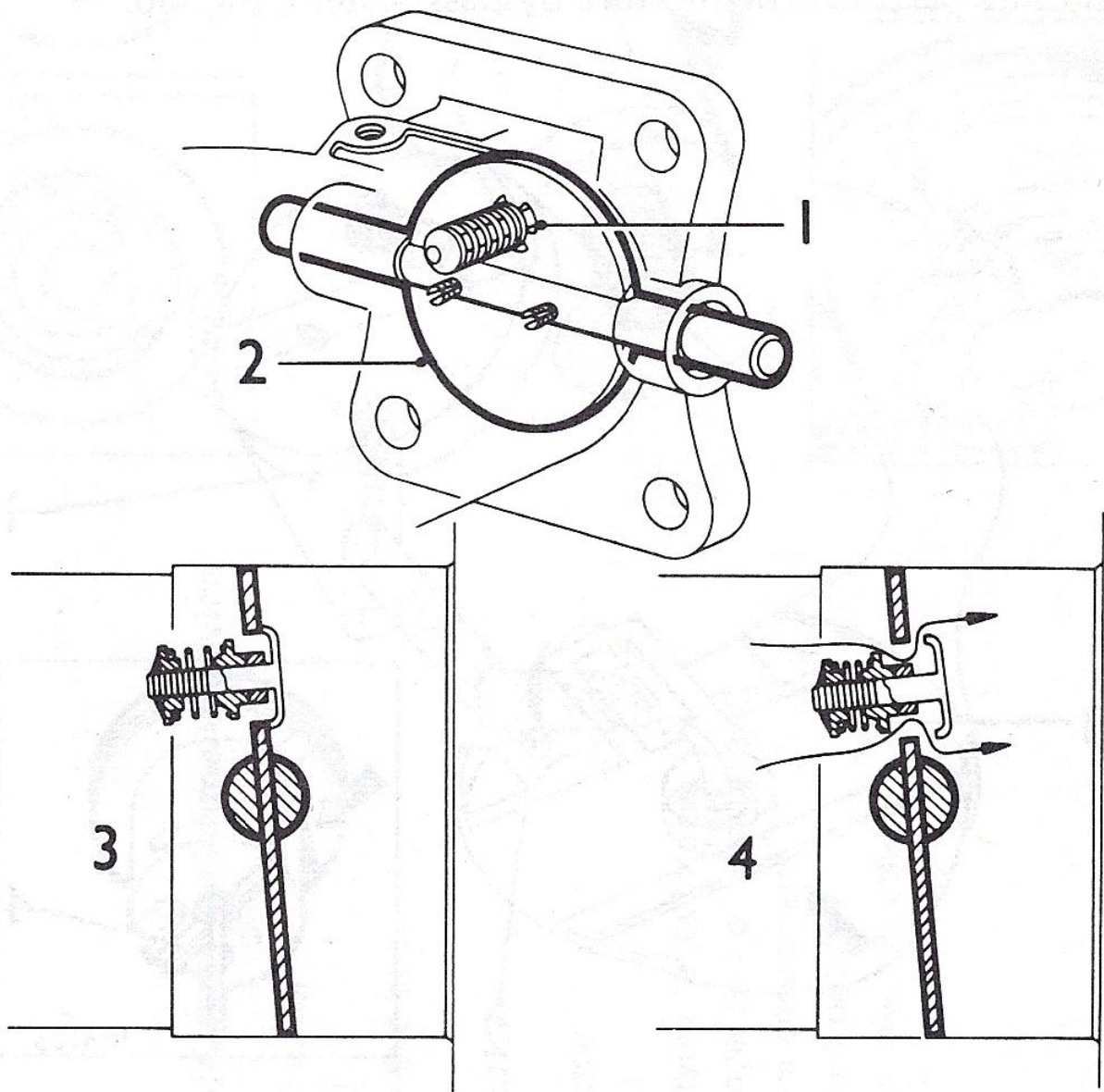


Idling problem MGBGTV8 – check the throttle overrun valve



Throttle overrun valve

1. Throttle butterfly disc.
2. Overrun valve.
3. Overrun valve closed.
4. Overrun valve open.

This consists of a precisely set spring-loaded plate valve located in the throttle butterfly disc (1). This valve improves the combustion of fuel at high manifold depression conditions, for example when overrun at closed throttle, by slightly reducing the depression and supplying a quantity of correct fuel/air mixture. This helps to maintain correct combustion and prevents high values of hydrocarbon emission being produced under these conditions.

Idling problem MGBGTV8

Thomas Thain posted a query on the V8 Bulletin Board saying "the idle on my V8 is generally fine around 500 - 800 rpm but I have recently found that the idle revs start climbing when the engine is hot - particularly when the fans are kicking in. Blipping

the accelerator to try and settle things down doesn't work and the revs pick up even more on idle - sometimes as high as 1500rpm. I had the local garage have a look but they couldn't identify the problem . . . which of course didn't manifest itself when they drove the car. Does anyone have any suggestions?"

Jim Robinson of JRV8 in Northern Ireland mentioned in his response that it's "worth a check to see if your SU carburettors are fitted with the poppet valve in the butterfly. These have a habit of not sealing properly and allow air to pass through the disc. This will cause the intermittent "climbing idle" problems that you have. If you have them fitted, the best solution is to remove the butterfly and solder the valve shut, or change to the earlier type of butterfly." He added that he has come across the poppet valve problem many times over the years on different BL vehicles and he used to solve it by cutting it off and soldering a 1/2p in its place. This coin has now been withdrawn from the currency, but it was just the right size to cover the hole and the copper content made it ideal to take the solder."

Diagram: SU booklets AUC9940 (AKD7521) Type HIF carburettors. Copies are available on the V8 Website at:
<http://www.v8register.net/subpages/SUcarburettorbooklets.htm>