

Carburetter.

The purpose of the air bleed jet, not found on standard Amal carburetters, is to primarily atomise the fuel leaving the needle jet before it reaches the spray tube and the heart of the choke. In addition to the throttle twist grip which raises and lowers the throttle slide the GP.2 is also provided with a handlebar lever control for the slide which governs the primary air supply. This slide should be open at all times except for cold starting or when being used for the tuning experiments described on later pages.

Tuning—General

The tuning sequence of the GP.2 carburetter follows the well established Amal principles in that the throttle range from tick-over to full bore is broken down into four sections each with its independently variable controlling element. The easiest way to understand this arrangement is to study the following diagrams which clearly show the controlling element for each part of the throttle range. To tune the carburetters you will, however, require to understand precisely how these controls are adjusted.

The Pilot System

This is adjusted by means of a pilot air screw controlling the amount of air fed to the pilot system and by a detachable pilot jet. Your Spitfire carburetter has been calibrated at the Factory and you will not under any circumstances require to change the pilot jet. You may, however, require to adjust the air supply to the primary system and how to do this is described more fully later on.