

Gunson®

Carbalancer For twin or multiple carburettors



Description

Carbalancer measures and indicates the air flow very simply and accurately so that each carburettor throttle butterfly can be synchronised to give the same balanced air flow.

- The air-flow balancer for twin or multiple carburettors.
- Can be used to fit most carburettors (side draught and down draught with air intakes (venuri).
- Suitable for from 1" (25.4mm) to 2 1/4" (57.15mm) diameter.
- Suitable for use on SU Solex, Auto-lite (Fomoco) Stromberg, Weber and Zenth carbs.
- Improves performance, produces more miles to the gallon, better acceleration.

Packaging

Box

Section Within Catalogue

Tuning

Page Number in Catalogue

Additional Information

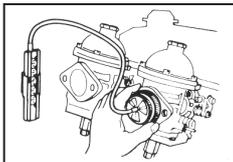


6 January 2012 5 018341740535 >

GENERAL INSTRUCTIONS

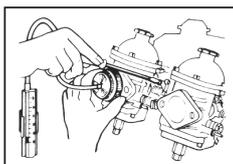
Please use these instructions in conjunction with your vehicle manufacturers' handbook.

1. Warm up the engine to normal operating temperature.
2. Remove air filter assemblies.
3. Disconnect throttle linkage between carburettors (if appropriate).
4. Start the engine and allow to idle.
5. Clip the scale vertically to some convenient part of the vehicle.

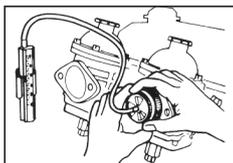


6. Set the inner bezel to a fully opened position and press the Venturi adaptor firmly into the Venturi of the first carburettor, holding the outer rim.
7. With the outer rim in one hand adjust the inner bezel to give a reading on the scale at any convenient mark. Do not restrict the breathing of the engine by over adjustment, causing the engine speed to drop.

8. Without altering the adjustment on the inner bezel, remove the Micro-Metering Head from the first carburettor and press it into the Venturi of the second carburettor.



9. Adjust the throttle screw of the second carburettor (or balancing screw) until the same reading is obtained on the scale.
10. Repeat step 8 | 9 for successive carburettors.



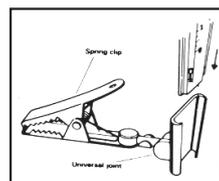
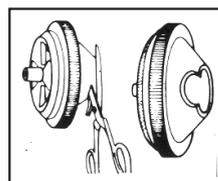
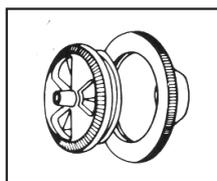
11. Reconnect the throttle linkage and check that the balance has not slipped.
12. If there is only one throttle stop screw the tick over speed may now be set with gradual adjustment. If there is a throttle stop screw for each carburettor, adjust each one evenly to obtain a suitable idling speed.
13. Clean and replace the air filter assemblies.

CAUTION

As with any plastic component, the Carbalancer scale will soften if allowed to come in contact with hot engine components, particularly the exhaust manifold. Care should be taken to ensure the unit is not mounted in contact with hot parts of the engine.

Micro-Metering Head

This component is supplied in two parts. To assemble, it is only necessary to push the two units together as illustrated. For some carburettors with obstructions within the Venturi, it may be necessary to trim portions of the tapered adaptor unit to gain the required clearance.



On some carburettors where the shape of the air intake or obstructing projection interfaces with the carbalancer, a simple adaptor can usually be made up from rubber hose of similar size.

Adjustment

Adjustment of the reading on the scale is made by holding the outer rim of the head in one hand and rotating the inner bezel with the other. Once this adjustment has been made for the engine, it is only necessary to move the head from one carburettor to the other, pressing the adaptor firmly into the Venturi and adjusting the throttle stop screws until the same reading on the scale is given by both or all carburettors.

Easily read scale

The scale is divided to make readings on individual carburettors easy to remember. In setting the carburettors, the float can be positioned next to convenient mark or number on the scale by adjusting the inner bezel on the metering head or the throttle screw. The scale has a spring clip which is connected to the scale holder by a universal joint. Both the scale and the holder are tapered and the narrow end of the scale should be pushed into the wide end of the holder. The tension on the universal joint is adjusted by the distance that the scale is pushed into the holder. To avoid the holder losing its springiness, it is advisable that the scale should be removed before storage.

The clip should be fixed to any convenient projection under the bonnet within easy reach of both carburettors and the scale should then be adjusted on the universal joint until it is reasonably vertical. The carburettors may then be balanced in the manner described in the general instructions.