

# BikeMaster®

## INSTRUCTIONS FOR: BIKEMASTER CARBURETOR SYNCHRONIZER

Thank you for purchasing the BikeMaster Carburetor Synchronizer. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL VOID THE WARRANTY.**

### 1. SAFETY INSTRUCTIONS

- Insure that Health & Safety, general workshop practices and local authority regulations are strictly adhered to when using tools.
- Maintain the equipment in good and clean condition for best and safest performance. **DO NOT** use if damaged.
- Wear approved eye protection.
- Wear suitable clothing to avoid snagging. Do not wear jewelry and tie back long hair.
- Account for all tools and parts being used and do not leave them in, on or near the engine.

**IMPORTANT:** Refer to the vehicle manufacturer's service manual to establish the correct procedure and data. These instructions are provided as a guide only.

**IMPORTANT:** Ensure the vehicle has been serviced and that the air screw and pilot screw have been correctly adjusted.

**WARNING!** Exhaust fumes are dangerous; ensure steps are taken to remove fumes from work area.

**WARNING!** Do not use this product without the knowledge and the mechanical ability to service your vehicle particularly in regard to safe handling of fuel systems and removal of fuel tank. If you have any doubts refer the job to a professional mechanic.

### 2. INTRODUCTION

The BikeMaster Carburetor Synchronizer is one of the most comprehensive balancer sets available on the market. A bank of four mini-gauges with lockable valves enables user to hold vacuum values in use. Supplied with a set of long and short carburetor adapters for easy access amongst the tubes and wires around the carburetor. Includes four 1500mm delivery tubes and hanging loop for the gauge bank. All supplied with a carrying-case.

### 3. INSTRUCTIONS FOR USE

#### 3.1 SETUP

3.1.1 Start the vehicle and let run until it will operate without choke. When this has been achieved turn off the engine and fit the vacuum gauges as follows.

3.1.2 Remove the inlet manifold vacuum screw(s). Select the appropriate extension connector and screw into the inlet manifold of your vehicle - **DO NOT** over tighten (finger pressure is adequate).

3.1.3 Repeat for the remaining carburetors (up to four).

3.1.4 Fit the rubber hose to each extension connector ensuring a good fit so no air will leak.

3.1.5 Fit the other end of the hose to the gauges ensuring a good fit so no air will leak.

#### 3.2 USE

3.2.1 Close the lockable valves (Fig.1) and start the engine.

3.2.2 Open each regulator gradually by turning the lockable valves (Fig.1) until the display needle stabilizes.

3.2.3 Refer to the vehicle service manual for slide adjustments to the carburetors.

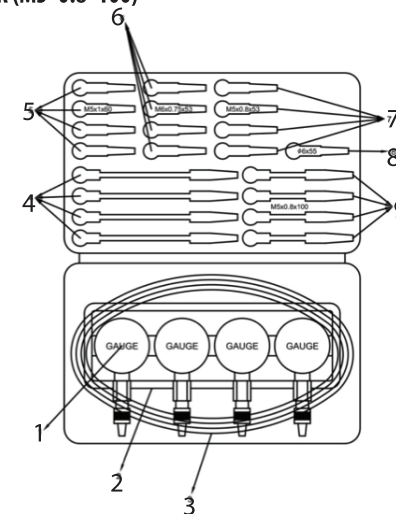
Following the vehicle service manual, make the adjustments to each carburetor until all the display needles are showing the same reading.

3.2.4 Advance the throttle a few times and allow the engine to settle back to idle. You can close the lockable valves to hold vacuum values in use. Re-check the display readings and confirm they are still reading the same values. If not re-adjust the carburetors.

3.2.5 When synchronization is complete, turn off engine and remove extension connectors from the manifold. Replace the vacuum screws(s) back in the inlet manifold.

### PARTS FOR: CARBURETOR SYNCHRONIZER

- 1 VACUUM GAUGE
- 2 FIXED PLATE
- 3 RUBBER HOSE 8\*5\*950mm
- 4 EXTENSION CONNECTOR (M5\*0.8\*169)
- 5 EXTENSION CONNECTOR (M6\*1.0\*60)
- 6 EXTENSION CONNECTOR (M6\*0.75\*53)
- 7 EXTENSION CONNECTOR (M5\*0.8\*53)
- 8 EXTENSION CONNECTOR (6\*55)
- 9 EXTENSION CONNECTOR (M5\*0.8\*100)



**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this equipment.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

