

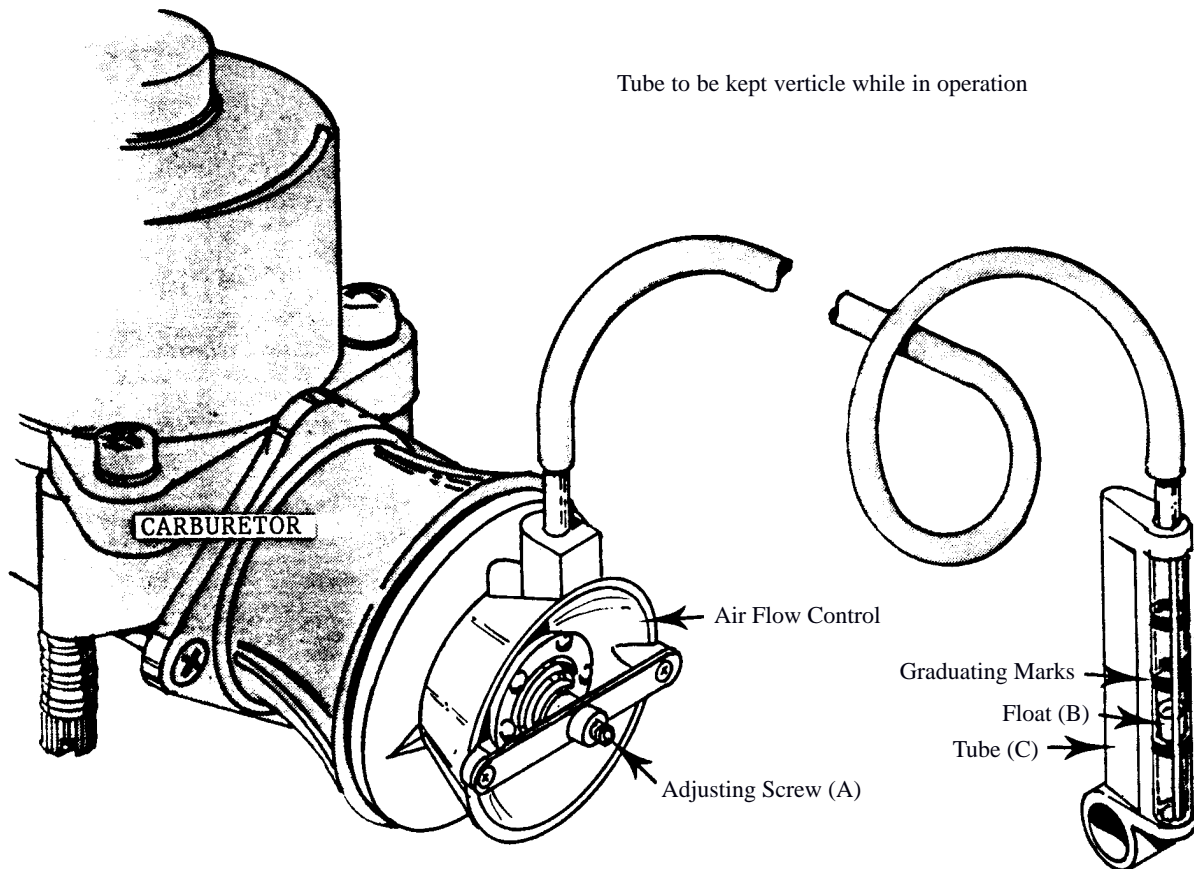


UNI-SYN Carburetor Balancing Instrument

CATALOG #4027

INSTALLATION INSTRUCTIONS

- **PLEASE** study these instructions carefully before installing your new Model 2MC UNI-SYN. If you have any questions, do not hesitate to contact our **Technical Hotline at: 1-800-416-8628**.
- **GENERAL INFORMATION:** The Model MC UNI-SYN is a specially designed adaptation of an instrument which has been proven in the field of performance and sports car racing for many years. The UNI-SYN offers owners, mechanics and technicians a visual, rapid means to synchronize multiple carburetors. When used on multiple carbureted engines, it replaces bulky gauges and hoses.
- **CARBURETOR SYNCHRONIZATION:** The following items should be checked prior to adjusting the carburetors:
 - ignition timing adjustment
 - valve clearance
 - engine compression
 - spark plugs
- **ENGINE STOPPED:**
 1. Align the throttle stop screw with the index mark on each carburetor body.
 2. Adjust all throttle cables uniformly.
 3. Carefully turn each carburetor air screw in until it very lightly seats, then unscrew each exactly one full turn.
 4. Remove the air cleaner element and cover.
 5. Twist throttle grip over full range to assure smooth operation.



UNI-SYN Model MC #4027

- **START ENGINE:**

1. Allow engine to reach operating temperature.
2. Set the idle speed at recommended rpm.
3. With the UNI-SYN Adjusting Screw (A) approximately 1/2 open, place the instrument over the throat of No. 1 carburetor and hang the Sight Tube (C) on a convenient point on the handle bars.
4. Gradually turn the Adjusting Screw (A) down until the Red Float (B) rises to or near any graduation mark. The Adjusting Screw will almost be seated in the UNI-SYN body.
5. Note the position of the float in the sight glass (a small piece of electrical tape may be used on the outside of the glass to mark the position).
6. Without changing the position of the Adjusting Screw (A), place the instrument on No. 2 carburetor throat and carefully adjust the throttle stop screw until the float reaches the same approximate level. Repeat the above for No. 3 and 4 carburetors. Recheck each carburetor and make fine adjustments, if required.
7. Replace the air cleaner and element and reset the Air Screw on each carburetor to highest engine speed attainable with throttle at idle position. Keep within a range of 1/4 turn in each direction.

- **REPLACEMENT PARTS**

Glass Tube and Indicator Rebuild Kit#1424