

Barracuda®

08-030 VACUUM GAUGE CARBURETOR SYNCHRONIZER

INSTRUCTIONS FOR USE

1. Run the engine until operating temperature is reached. Carburetors must be adjusted with engine warm and the choke fully open. CAUTION: Choke operation may damage vacuum gauges.
2. Attach a bungee cord to the vacuum gauge mounting plate at the holes provided in the upper corners of the plate. Stretch the cord around the gauges or mirror arms base, suspending the vacuum gauges above the handlebars as shown in Figure A.



TUNING PROCEDURE

1. Remove the vacuum attachment plug-screws from the carburetor flanges or intake manifolds and install the vacuum hose attachment probes in these holes (long attachment probes to the inside and short attachment probes to the

outside). A drop of oil on threads of probes eases installation.

- Start the engine, let it idle, and check the gauges.
- If more dampening is desired, close valve or valves slightly. If less dampening is desired, open valve or valves slightly. DO NOT attempt to adjust valves when not attached to the engine.
- The needles will flutter but should not oscillate more than one gradation mark on the gauge faces.
- Synchronize carburetors according to instructions in the manufacturer's specifications of the appropriate shop manual or service bulletin.
- Synchronization is a function of relative vacuum between cylinders rather than any specific vacuum readings. Synchronization is obtained when the vacuum is the same on all gauges.

GAUGE CALIBRATION

The gauges were carefully calibrated at the factory to insure consistency and accuracy. If a gauge is suspected of being out of calibration, the procedure below can be used for recalibration.

Calibrate gauges to the average reading by lifting the gauge glass then using a screwdriver to rotate the screw on the face of the gauge and adjust the pointer to the position desired.

CHECK COMPRESSION

If the piston pressure is low in one or more cylinders, it will not be possible to properly synchronize the carburetors.

To check compression, use a Compression Tester (not included).

NOTE: The color-coded, red and green blocks on dial are used only for automotive. Disregard for other applications.