

Weber Carburetor Tuning Recommendations for Rotary Engine Applications

The following recommendations are provided as guide for tuning a Weber carburetor for various rotary engine applications. These settings are a result of Racing Beat's tuning experience with the Weber carburetor - your actual settings may differ from these guidelines.

Weber - 48 IDA Carburetor	Racing Beat - 51 IDA Carburetor
The 48 IDA is delivered as configured by Weber. Use the following guidelines as a starting point when tuning the carburetor for your application.	As delivered, the Racing Beat-modified 51 IDA carburetor is tuned for a 13B Peripheral Port engine. Refer to the guidelines below for your application.
<p>Stock Port Engine</p> <p>13B Engine (6-Port) Venturi - 40mm • Fuel Jet - No. 195 Air Jet - No. 205 • Emulsion tube - F-4 Needle Valve - 300</p>	<p>Stock Port Engine 51 IDA carburetor is not recommended for use on a 12A or 13B stock engine.</p>
<p>Street Port Engine Equipped with headers & stock muffler</p> <p>12A Engine Venturi - 37mm • Fuel Jet - No. 170 Air Jet - No. 150 • Emulsion tube - F-11 Needle valve - No. 250</p> <p>13B Engine (4-port) Venturi - 38mm • Fuel Jet - No. 190 Air Jet - No. 160 • Emulsion Tube - F-11 Needle Valve - No. 250</p>	<p>Street Port Engine 51 IDA carburetor is not recommended for use on a 12A or 13B street port engine.</p>
<p>12A Bridge Port Engine (Equipped with open headers)</p> <p>12A Engine Venturi - 42mm • Fuel Jet - No. 240 Air Jet - No. 170 • Emulsion tube - F-11 Needle Valve - No. 300</p> <p>13B Engine Not used - Carburetor too small.</p>	<p>13B Bridge Port Engine (Equipped with open headers)</p> <p>12A Engine Not used - Carburetor too large.</p> <p>13B Engine (4-Port) Venturi - 45mm • Fuel Jet - No. 235 Air Jet - No. 165 • Emulsion tube F-11 Note: Correct size needle valve (300) supplied with RB 51 IDA carburetor.</p>
<p>12A Peripheral Port Engine (Equipped with open headers)</p> <p>12A Engine Venturi - 43mm • Fuel Jet - No. 230 Air Jet - No. 125 • Emulsion tube - F-8 Needle Valve - No. 300</p> <p>13B Engine Not used - Carburetor too small.</p>	<p>12A Peripheral Port Engine (Equipped with open headers) Venturi - 43mm • Fuel Jet - No. 235 Air Jet - No. 130 • Emulsion tube - F-8 Note: Correct size needle valve (300) supplied with RB 51 IDA carburetor.</p> <p>13B Peripheral Port Engine (Equipped with open headers) Venturi - 46mm • Fuel Jet - No. 240 Air Jet - No. 110 • Needle valve - 300 Emulsion Tube - F-8</p> <p>As delivered, the Racing Beat-modified 51 IDA carburetor is tuned for a 13B Peripheral Port engine using these components:</p>

