

Instruction sheet packaged inside some of the new Ruixing carburetors that replace older style Walbro LMS carburetors require the change of an air cleaner base and gasket on some units. Below is a picture and part numbers of the two new style air cleaner bases showing the extra hole for the bowl vent and the new style carburetor with the bowl vent on the carburetor flange.

### 697030 Air Cleaner Base for Oval Style Air Filter



### 699207 Air Cleaner Base For Flat Panel Air Filter



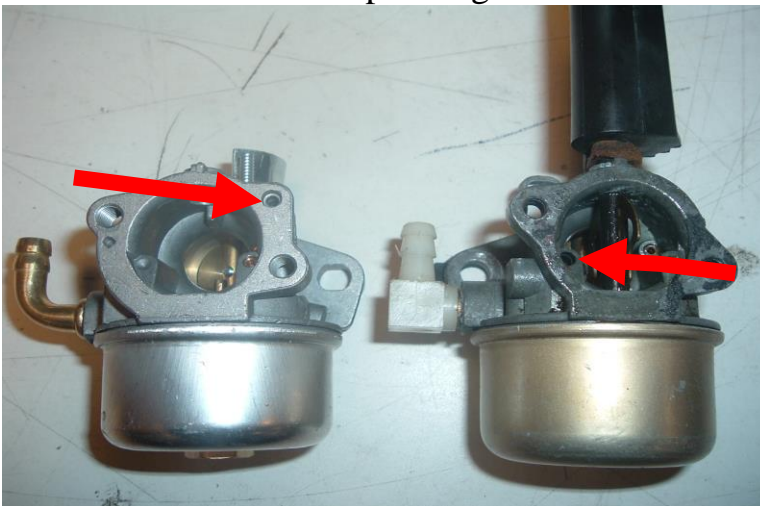
## New Style Ruixing Carburetor Replacing LMS Carburetors on Model 12 Horizontal Shaft Engines



This information is only in the instruction sheet and not on the IPLs. You WILL need the different air cleaner base included with the carburetor.

**If you do not use the new air cleaner base where the instructions call for it, it will block the vent hole and the engine will not run. (The carburetor will flood. It will also flood if the gasket is installed wrong)**

See next pages that are a copy of the instructions that come with the new carburetor. The picture below shows a side by side of the old and new style carburetors with arrows pointing to bowl vents.

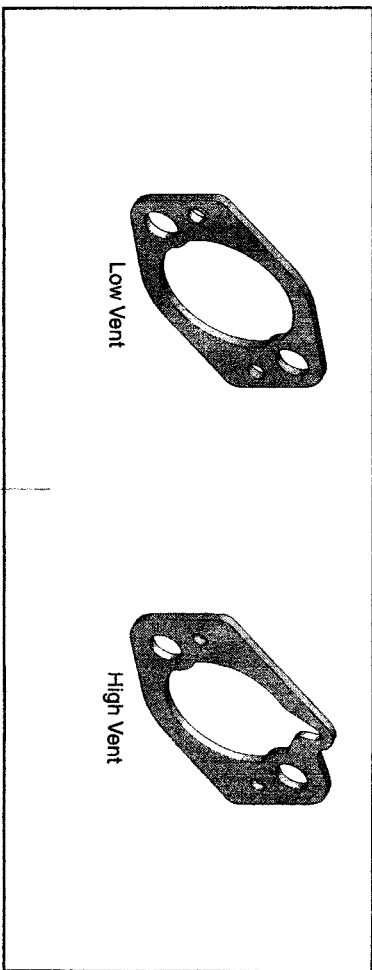


## Carburetor Installation Model 12 - Series Horizontal Shaft OHV

### Engines with Oval Air Filter Element

- Removal**
1. Turn fuel valve OFF and run engine until it stops from the lack of fuel.
  2. Remove wing knob, a/c cover, and oval element. Disconnect breather hose from the bottom of the air cleaner base.
  3. Remove 1 screw from the top of the base and 2 shoulder screws from lower base. Remove base and gasket.

**NOTE:** Inspect the gasket to determine whether the original carburetor is a low-vent style (see below). If you are replacing a low-vent carburetor, you must also replace the air cleaner base and gasket (part number 697030, sold separately).



4. Disconnect the fuel hose from the carburetor. Remove the 2 carburetor mounting screws.
5. Rotate the carburetor while disconnecting the link and spring; set aside carburetor.
6. Leaving plastic adapter in place, remove outer adapter gasket.

### Installation

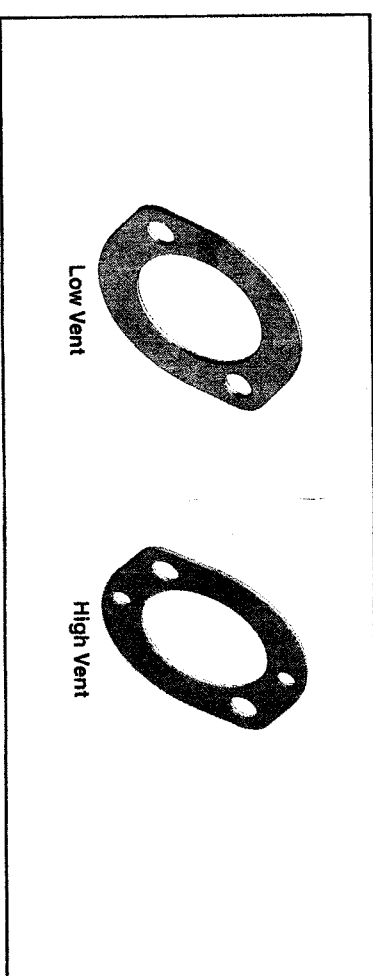
1. Place new outer gasket on plastic adapter.
2. Install link and spring in new carburetor, then position carburetor on adapter. Re-install two carburetor mounting screws and torque to 80 in. lbs (9 Nm). Install the fuel hose and secure with the clamp.
3. Transfer metal bracket and screws from original air cleaner base onto new base. Using T-20 driver, torque screws to 25 in. lbs (2.9 Nm). Fit new gasket on new base and position against the carburetor. Re-install the three screws in the base and torque each to 40 in. lbs (4.5 Nm).
4. Fully insert breather breather hose into base. Re-install filler element, cover, and wing knob.

(OVER)

### Engines with Panel Style Air Filter Element

- Removal**
1. Turn fuel valve OFF and run engine until it stops from the lack of fuel.
  2. Loosen screw on air cleaner cover, remove cover from engine. Remove air filter element. Disconnect breather hose from air cleaner backplate.
  3. Remove 2 screws holding backplate to carburetor; remove backplate and gasket.

**NOTE:** Inspect the gasket to determine whether the original carburetor is a low-vent style (see below). If you are replacing a low-vent carburetor, you must also replace the air cleaner base and gasket (part number 699207, sold separately).



4. Disconnect the fuel hose from the carburetor. Remove the 2 carburetor mounting screws.
5. Rotate the carburetor while disconnecting the link and spring; set aside carburetor.
6. Leaving the plastic adapter in place, remove outer adapter gasket.

### Installation

1. Place new outer gasket on plastic adapter.
2. Install link and spring in the new carburetor, then position the carburetor on adapter. Re-install the two carburetor mounting screws and torque to 80 in. lbs (9 Nm). Install fuel hose and secure with clamp.
3. Place new gasket on the new air cleaner backplate and position against the carburetor while installing the two screws. Torque screws to 30 in. lbs (3.4 Nm).
4. Reinstall the breather hose to the backplate. Install the air filter element. Replace the cover and secure with the screw.

### Important Information

If choke shaft replacement is required, proceed as follows.

Rotate choke to open position.

Grasp choke plate with pliers and pull choke plate from shaft.

Transfer foam seal to new choke shaft.

Insert choke plate into choke shaft with numbers on choke plate facing out.

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