

**Marvel-Schebler Aircraft  
Carburetors LLC**

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**Service Bulletin: SB-24**

Original Date: July 25, 2018

**SUBJECT: MA-4-5® SERIES CARBURETORS  
EQUIPPED WITH IDLE MIXTURE SCREW  
MOUNTING PLATE**

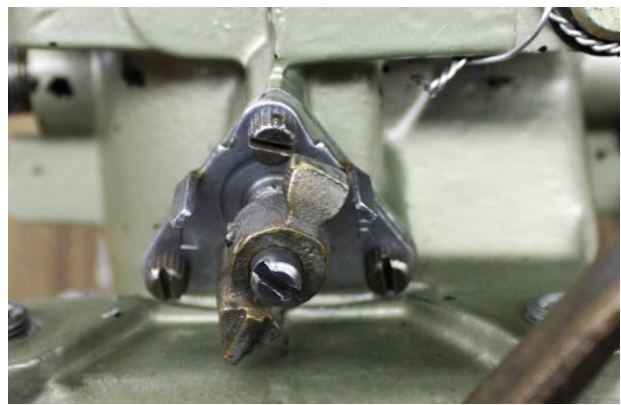
1. **Applicability:** MA-4-5® series carburetors equipped with idle mixture screw mounting plate p/n 55-524, (referred hereafter as the plate) and late style idle mixture adjusting screw as shown in Figure 1.
2. **Purpose:** To advise the industry of an acceptable rework procedure for the plate and the appearance of the properly reworked part.
3. **Discussion:** The upstanding tabs on the plate acted as limit stops for the “arrow” type idle mixture knob shown in Figure 2. However, when the late style mixture screw is installed, the tabs serve no purpose. In cases where the tabs are bent, attempts to straighten them may result in cracking at the tab’s root. Plates with bent or cracked tabs can be reworked by removing the tabs.
4. **Procedure:** When it is desirable to remove the tabs from a plate, use pliers to bend them back and forth till they break away. Using a file, belt sander, etc., smooth any residual tab material even with the edge of the plate, see Figure 3 and 4. Commercial cad or zinc plate the part .00015/.00035 thick and chromate. If plating facilities are not available, paint the part with lacquer, enamel or other quality paint to protect the bare steel from rusting.

**Note:** If a carburetor is being reassembled using the arrow type idle mixture knob shown in Figure 2, a plate with both tabs intact must be used.

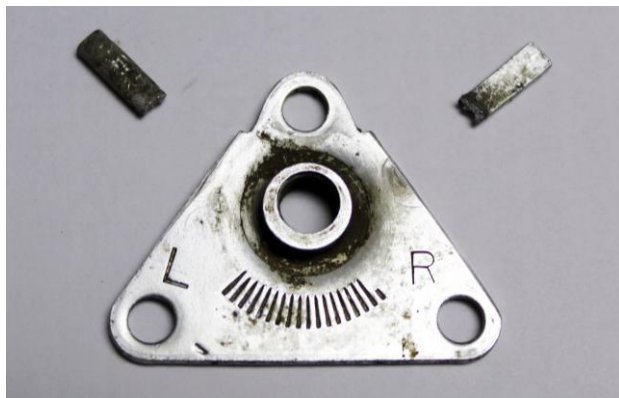
5. **Compliance:** Use appropriate service information when servicing MSA Carburetors.



**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**