ERRATIC IDLE

In the event erratic idle (periodic miss at approximately 5-second intervals) is experienced on 1961 Corvair or Corvair "95" models equipped with either the 80 HP or 98 HP engines, the condition may be corrected by proceeding as follows:

1. Check and adjust carburetor synchronization and fuel mixture as outlined in the 1961 Corvair Shop Manual, Page 9-4, Carburetor Synchronization. On Page 9-5, paragraph C, the clearance between fast idle speed screws and pad on throttle levers should be .045" for both transmissions.

2. If a smooth idle is still not obtainable, remove both carburetors and drill a small hole in each throttle plate 1/4" from the edge of throttle plate in the vicinity of carburetor idle bleed passage. The hole position should be as illustrated in the attached sketch:

   ![Diagram of throttle plates]

   DRILL HOLE
   1/16" 80 HP
   3/32" 98 HP

   ROCHESTER THROTTLE PLATE  BAY CITY THROTTLE PLATE

For Rochester carburetors, the hole should be at the midpoint of the left leg of zero "0" stamped in the throttle plate; for Bay City carburetors, it should be in the top center of the "C".

(a) Lightly center punch and drill each throttle plate from the bottom side: 1/16" (.063) diameter for the 80 HP and 3/32" (.093) diameter for the 98 HP. Do not remove throttle plate for this operation.
(b) Clean burrs from around the drilled hole and blow out throttle bore with compressed air.

3. Reinstall carburetors, recheck synchronization and fuel mixture adjustments.

Drilling of throttle plate is a field service correction; revisions in calibration are under investigation for Production.

**IDLE SPEED ADJUSTMENTS**

Below are listed the recommended idle speeds for Corvair engines.

<table>
<thead>
<tr>
<th></th>
<th>CARS WITHOUT AIR CONDITIONING EQUIPMENT</th>
<th>CARS WITH AIR CONDITIONING EQUIPMENT*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Engine (80 HP)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 or 4 Speed Transmission</td>
<td>500 RPM</td>
<td>650 RPM</td>
</tr>
<tr>
<td>Powerglide (In &quot;Drive&quot;)</td>
<td>500 RPM</td>
<td>650 RPM</td>
</tr>
<tr>
<td><strong>RPO 659 High Performance Engine (98 HP)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 or 4 Speed Transmission</td>
<td>600 RPM</td>
<td>650 RPM</td>
</tr>
<tr>
<td>Powerglide (In &quot;Drive&quot;)</td>
<td>500 RPM</td>
<td>650 RPM</td>
</tr>
</tbody>
</table>

* When setting idle speed, the air conditioning should be turned off.

Director, Technical Service Department

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