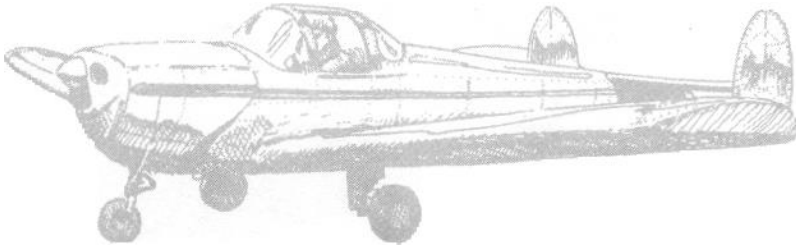


Skyport East

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Stromberg NA-S3A Idle Mixture Setting

The Stromberg NA-S3A series carburetors incorporate a back suction mixture control. This control is only effective at higher power settings and therefore cannot be used to adjust the idle mixture. The following procedure may be used to adjust the idle mixture. Use normal caution when working around a running engine, especially with respect to proximity to the prop.

1. Run the engine until normal operating temperatures are reached.
2. Adjust idle speed stop screw to desired idle speed plus 25 RPM. If this is not obtainable, adjust to minimum speed possible.
3. Adjust idle mixture screw in or out as necessary to maximize RPM at the current throttle setting.
4. Repeat steps 2 and 3 until idle speed is at the desired speed plus 25 RPM and no further RPM increase can be obtained by adjusting the idle mixture screw.
5. Enrich mixture by turning the idle mixture screw counterclockwise until the idle speed decreases 25 RPM to the desired idle speed.