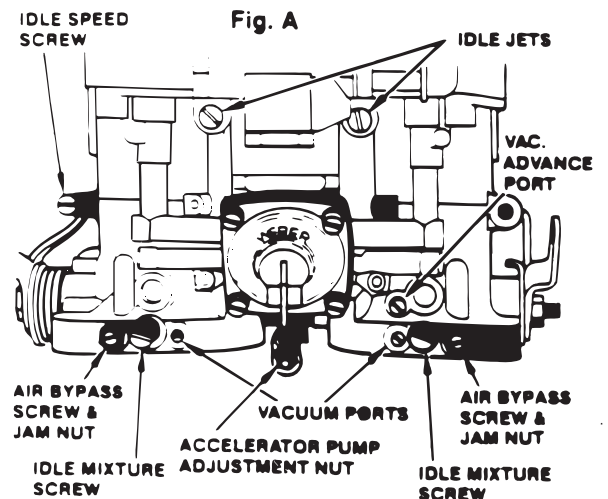


## Weber IDF Adjustment

1. Remove the air filter assemblies.
2. Disconnect the throttle linkage.
3. Turn "out" \*(counter clock-wise) the idle speed screw, (Fig. A) on the carburetor, until the tip of the screw is flush with the casting. Check for binding or sticking of the throttle plates. With the idle speed screw in this position, the throttle plates should be completely closed in the bores. Correct any misalignment or binding BEFORE proceeding.
4. Turn "in" (clockwise) the idle speed screw, on the carburetor, until the tip of the screw just touches the carburetor lever. From this "contact" position, turn the idle speed screw exactly one (1) full turn "in". This is your preliminary set point.
5. Install a Synchrometer, or other reliable synchronizing tool, according to the manufacturer's directions.
6. Start the engine. CAUTION: Be sure loose throttle linkage is not interfering with other components.
7. (A) Loosen the jam nuts and close the air bypass screws on the carburetor. (Fig. A)  
  
(B) Use the Synchrometer to determine which carburetor barrel produces the lower reading.  
  
(C) Adjust the air bypass screw corresponding with the low reading barrel until the Synchrometer reading matches the higher barrel. Once both barrels of the carburetor show the same reading, lock down the jam nuts.
8. If a tachometer is available, install it prior to starting the engine. If a tachometer is not available, set idle mixture "by ear".
9. Start engine. Be sure engine is at operating temperature.
10. Turn "in" (clockwise) each idle mixture screw until the engine RPM begins to fluctuate on the tachometer. (if adjusting "by ear," until a noticeable change in speed is heard.) (Fig. A)
11. Turn "out" (counter-clockwise) each idle mixture screw slowly, until the engine idle speed becomes steady. Try to obtain the leanest setting without affecting the idle speed.
12. If necessary repeat Steps 10 and 11 until the best setting is achieved. EXAMPLE: Each carburetor idle mixture screw should be within 1/2 turn of each other.
13. Once the idle mixture has been set, fine tune the idle speed if necessary, to meet the engine manufacturer's specification using the idle speed screw.
14. Turn the engine off. Remove tachometer and Synchronizer. Replact the air filter assemblies and throttle linkage.

### IDLE MIXTURE & IDLE SPEED ADJUSTMENT

This "Lean-Best" idle setting procedure can be used to adjust your carburetor in the absence of an Infrared Exhaust Analyzer. Those with an analyzer can set idle mixture to the engine manufacturer's specifications.



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