

TECHNICAL



because we all have questions!

**Tuning up
the engine of
your Airflow
will make her
run smoother**

Periodic engine tune-up is essential in keeping an engine operating at its maximum efficiency. It is also essential that tune-up operations be performed in the proper sequence to obtain the most satisfactory results.

1. **Battery and Line Voltage**

Clean and tighten battery connections. The voltage unit should trip at 7.4 to 7.8 volts. Excess voltage will cause distributor points to burn. Tighten all wire connections.

2. **Cylinder Head and Manifold Studs**

Iron heads should be tightened while engine is WARM. Aluminum heads must be tightened while COLD.

3. **Vacuum Test**

If the engine is OK...reading should be 18" to 21" of vacuum.

4. **Valve Clearance (if Vacuum Test Indicates Necessity)**

Set the engine up to normal operating temperature. Remove right front wheel, wheel housing panel and valve cover plates. Adjust inlet tappets to .006" - exhaust .010".

5. **Compression Test**

This determines the conditions of valves, pistons and rings.

6. **Spark Plugs**

Clean and space gaps to .025". A wide gap reduces speed and power: a closer setting may cause uneven engine idle.

7. **Distributor**

Dress breaker points evenly using a stone. Adjust to .018".

8. **Ignition Timing**

Use mark on fan drive pulley or indicator in cylinder head. Breaker points should just start to open when crankshaft is rotated to 5°.

9. **Fuel System**

Disconnect main fuel line at fuel pump and blow out with compressed air. Clean strainer bowl and screen.

10. **Air Cleaner**

Remove cover, take out filter element, clean and dip in SAE 50 engine oil, drain and replace.

11. **Carburetor**

Check float level—5/64" from top of float chamber. Set idle after engine has reached running temperature and adjust throttle stop screw to an idle speed of not less than 6 mph.