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 / WHICH YS 120 DO I HAVE?

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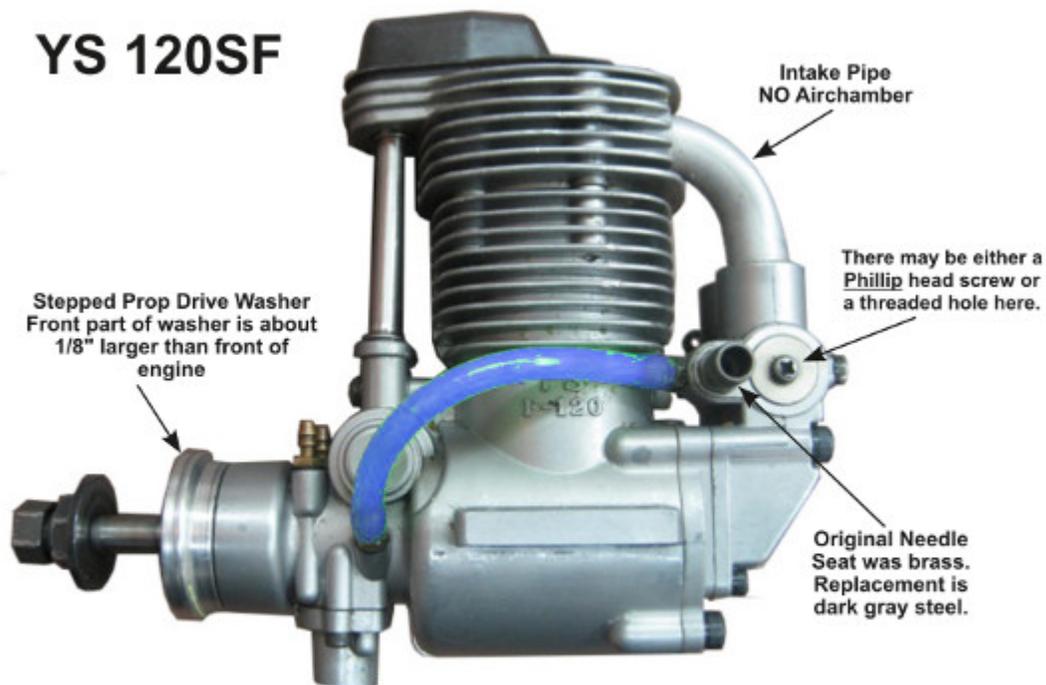
INSTRUCTIONAL : WHICH YS 120 DO I HAVE?

We get many calls from people trying to figure out which YS 120 engine they have. YS has cast or stamped "F-120" on many of the 5 versions of 120 engines so that alone does not identify which one it is. Hopefully the following will help you identify which YS 120 you have.

If you still have questions which engine you have, please call us.

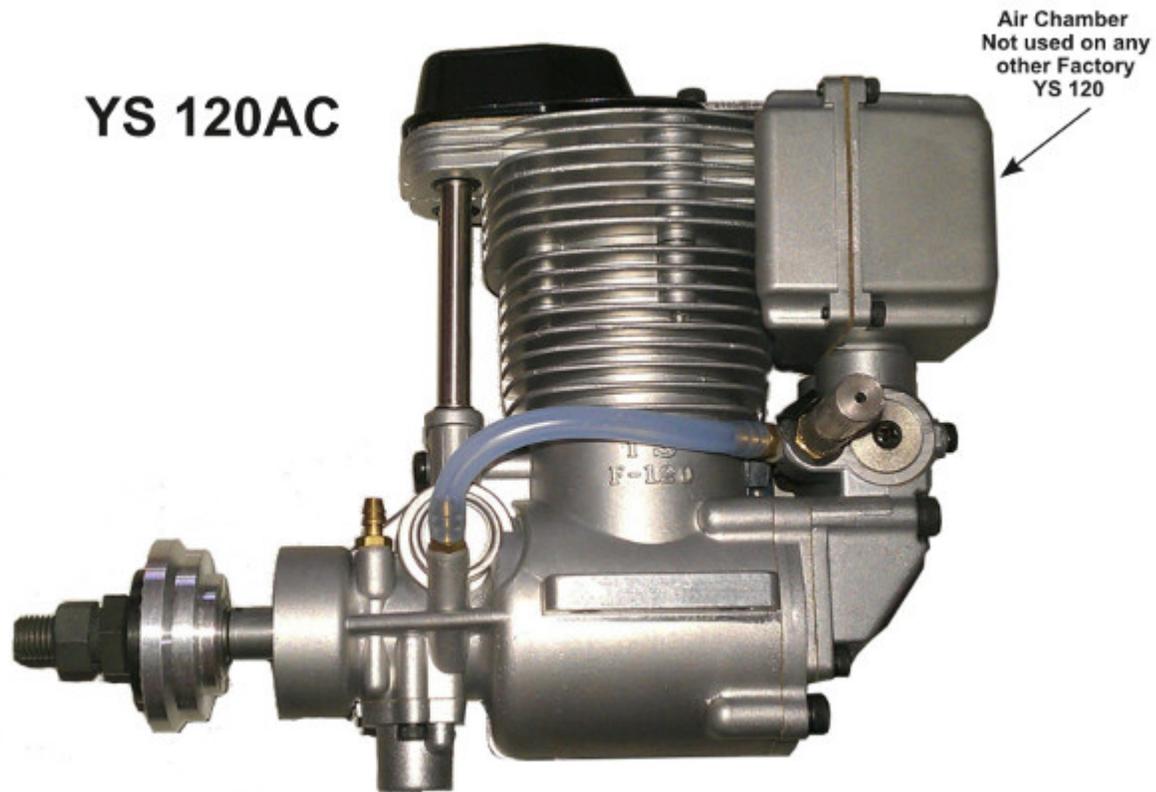
YS 120SF

The YS 120SF was one of the first YS 120 engine designs. It can be identified by the prop drive washer, the Phillips screw or no screw in the right side of the throttle barrel (Some times the throttle arm is moved to the right side of the throttle barrel) and the original needle valve was chrome with a brass seat. The replacement needle and seat are dark gray steel.



YS 120AC

The YS 120AC was the only YS 120 that came from the factory with the Air Chamber. Some YS 120SF engines had the Air Chamber added to them by the engine owners. The head and valves are different in the factory 120AC.



YS 120NC

The second series of YS 120 engines included the YS120NC. The only external difference between the 120SF and the 120NC is the newer engine's prop drive washer is the same diameter front and rear and has a groove milled in it. There are many changes inside the engine that increased its power.

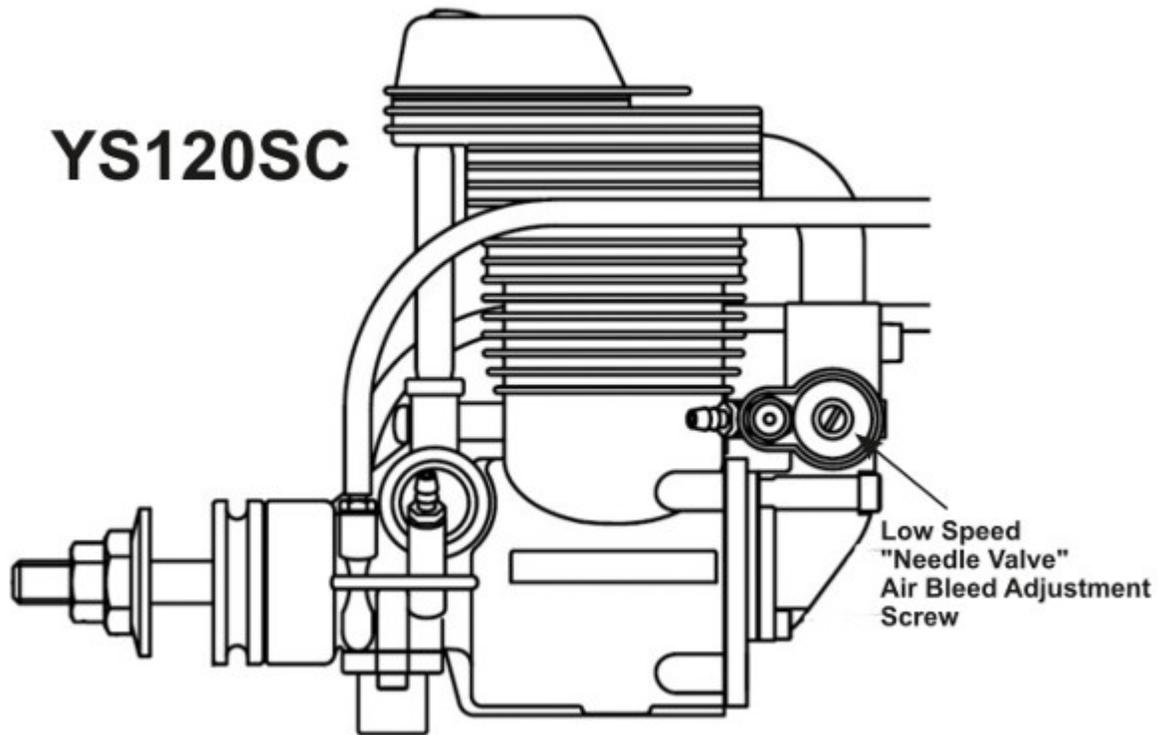
YS 120NC

Front and rear of Prop Drive Washer are the same size with a groove milled in it.



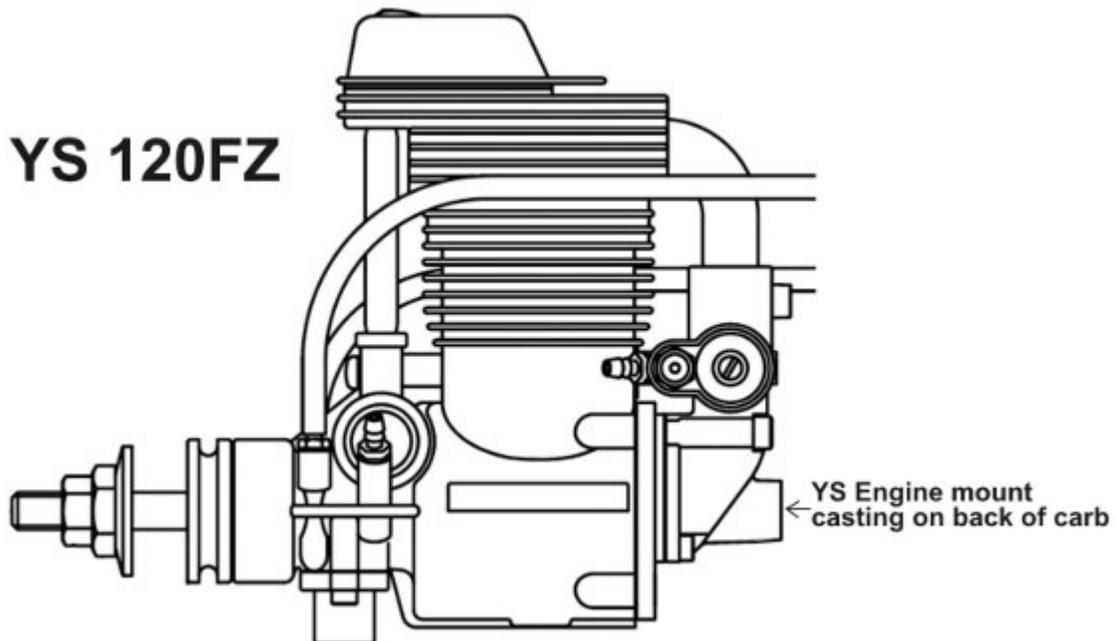
YS120SC

The YS 120SC was the second generation replacement for the YS120AC. It was the Precision Aerobatic engine of choice for it's era. It was higher output than all 120 class engines of it's time. On the outside, it looks like a YS120NC except for the Low Speed Air Bleed ("needle valve") in the middle of the throttle barrel next to the main Needle Valve.



YS120FZ

The YS 120FZ was the last of the 120 series. It was set up for the YS Soft Mount system with a polished area on the front bearing area and a casting on the back of the carburetor for the mounting system. Otherwise it looked like the SC series.



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