

## Sullivan Skywriter Smoke Pump on a Saito© 100 4 Stroke Engine

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### Items you need

- 1) S753 Sullivan Skywriter Smoke Pump
- 2) S738 Sullivan 6 oz Slant Type Flex Tank
- 3) S484 Gasoline Conversion Kit
- 4) Drill and tap for 8-32 thread
- 5) Fuel Nipple for Muffler
- 6) S756 Check valve (included with Skywriter)
- 7) Thick wall soft copper tube from a gas furnace or hot water tank-thermal coupler- available at your local home improvement store
- 8) 4.8V battery and switch

### How to build

- 1) Drill hole and tap for 8-32 fitting behind tank pressure nearer to the end of the muffler.
- 2) Wind the soft copper tube around the exhaust header, 6 or more times.
- 3) Leave at least 1-1/2" inch leads on the copper tube (both ends).
- 4) Connect the pump "out" line to the one end of the copper preheater tube.
- 5) Connect the "out" end of the copper tube to the check valve set up to block pressure from the muffler.
- 6) Connect the check valve to the pressure fitting with a short length of black Nitrile "Buna-N" tubing.
- 7) Connect the Skywriter to the power battery with a switch and to any available channel on your receiver.
- 9) Install the smoke oil tank above the pump to aid in quick pumping of fluid.

