



## **Piper PA-18 Super Cub 210 hp engine conversion – STC SA02828CH Required Items**

**1) Airframe tubular structure – One (1) of the following is required:**

Option #1:

An original model PA-18-150 or PA-18A-150 airframe. Serial numbers eligible: 18-3771 & up

Option #2:

An airframe that has been manufactured IAW STC SA02128AK

Option #3:

An airframe that has been manufactured IAW STC SA02187AK

Option #4:

An airframe that has been manufactured IAW STC SA4095NM

**2) The 3” extended main landing gear modification IAW STC SA02175AK or SA02152AK.**

Required to gain extra prop-to-ground clearance and this gear is designed to be much stronger than the original Piper gear.

**3) The 2000 pound gross weight increase IAW STC SA00997CH.**

Required to give the pilot a broader range of loading options and it strengthens the wings and the airframe.

**4) Fuel system modification IAW STC SA00415SE.**

Required to allow the fuel flow requirements of the larger engine.

**5) Two main wheel tires, 8.00x6 minimum size.**

Required to gain an additional margin of safety for prop-to-ground clearance.

**6) Scott 3200 tailwheel assembly (Item 204g on T.C. No. 1A2) or the equivalent ABI-3200 Alaska Bushwheel.**

Required as it is stronger than an original tailwheel assembly and to accommodate the higher gross weight.

**7) Dual grooved pulley stabilizer adjustment cable system installed IAW Piper Drawings #14486 and #12999\***

**8) Torque tube assembly p/n: 13735 and stick stub assembly p/n: 13729-00 must be installed as used on PA-18 aircraft after serial number 18-1969\***

**9) Flaps and counter-balanced tail surfaces must be installed (Item 601 on T.C. No. 1A2)\***

\*Note: Items 7, 8, 9 would have been original equipment on ALL Piper PA-18-150, 18A-150 aircraft.