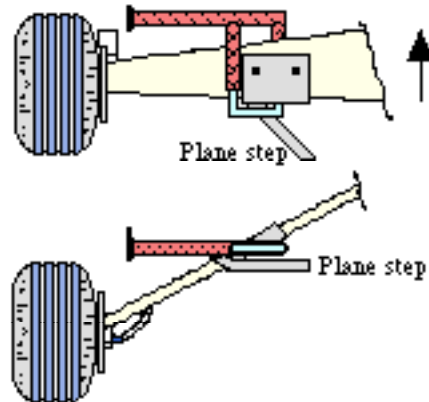


## Portable Step for Gas Cap Access on the Cessna 120/140/140A's

Getting up to see the gas caps or to access them for refueling without a ladder is difficult to impossible. A long time ago, someone came up with an elegant solution, and we were lucky enough to become acquainted with the owner who let me copy the general dimensions. This tool is very light, light enough to carry in the plane all the time so as to be available anywhere you go with the plane.

Note that the magic which makes it work for our planes and not for others is the restraining function of the existing step on the landing gear. The new step will not get wedged, is very easy to install and remove, and won't mar the finish on the gear legs if covered with some softer material as shown.

The dimensions are not precise and need only be near those shown, taking some time as the assembly nears completion to make sure the welded parts will fit into each other and on the plane landing gear as indicated. When the unit is installed, a level attitude is acceptable, but a slight angle would be better such that the foot has less tendency to slip off the end and you can adjust for that by reducing the 1.5 inch callout between the stubs. Your choice.



It is expected that the finished parts would be cleaned, painted and trimmed in the plane colors. Not painting means quick rust for the bare 4130.

Not shown is some sort of reminder flag to make sure you remove the step before flight. Knowing that mistakes happen, I have not suggested that the owner put their name or plane number on it though that would be wise if you know you will never forget to remove it before flying. The person who made that error once or more told us that it stayed on the plane just fine. Don't count on it.

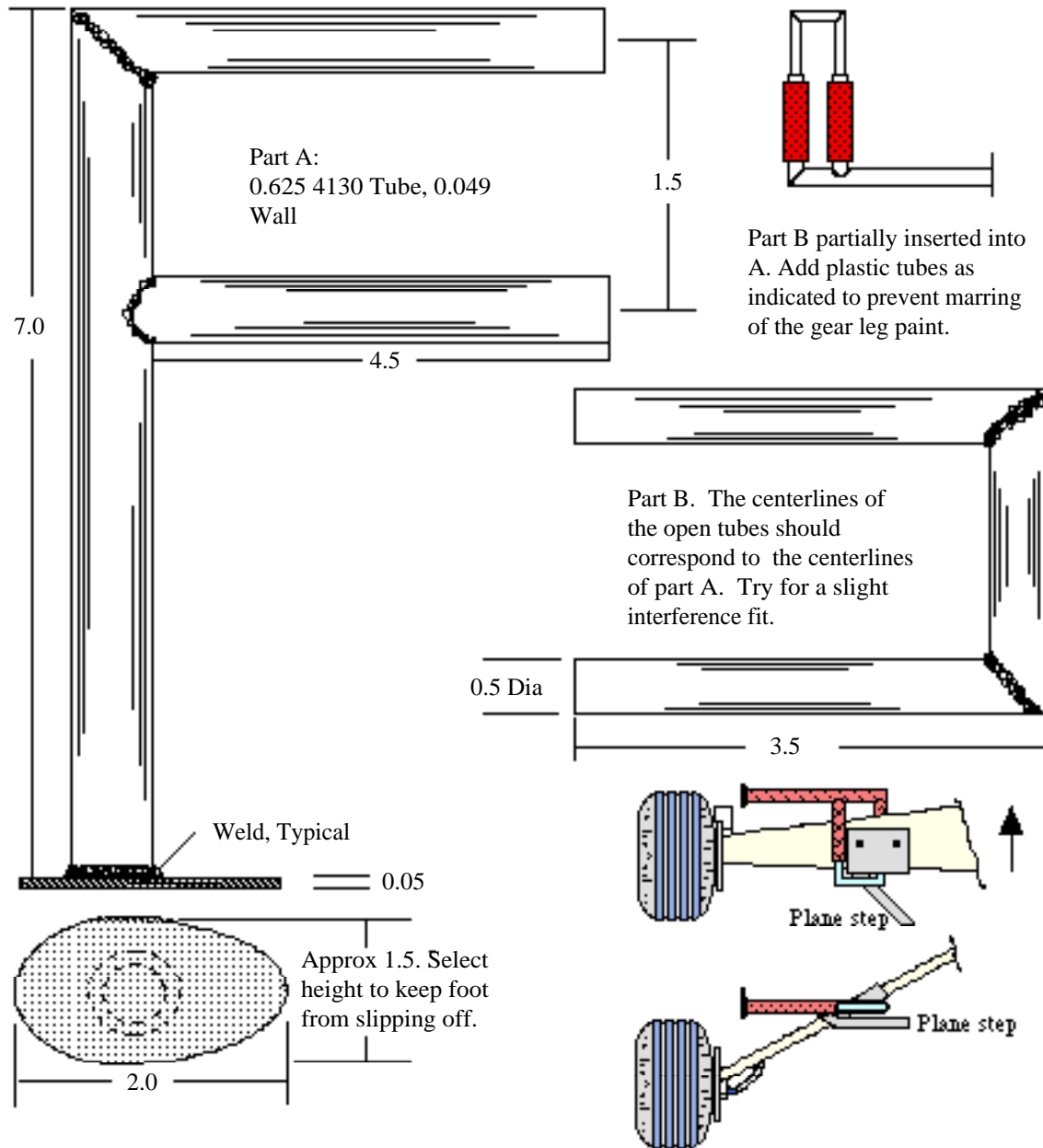
All who have seen this device regret that Cessna did not make them and offer them as an option as they did for the control lock. Being able to step up and check the fuel level and the caps instead of finding a ladder is so much easier and makes you independent for those functions wherever you are.

Neal

Filed as: Portable Step '05 copied from an example belonging to the Cotton Clipper Cutie, a 140A  
Revised august '05

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## CESSNA 120/140/140A PORTABLE STEP



Material is 4130 weldable steel. After fabrication, do a severe weight test. Attach a reminder flag such as used elsewhere on the plane to make sure the step is removed before flight.

Filed as: Step, aug 00 Neal F. Wright 1542 South Wolfe Rd. Sunnyvale CA 94087