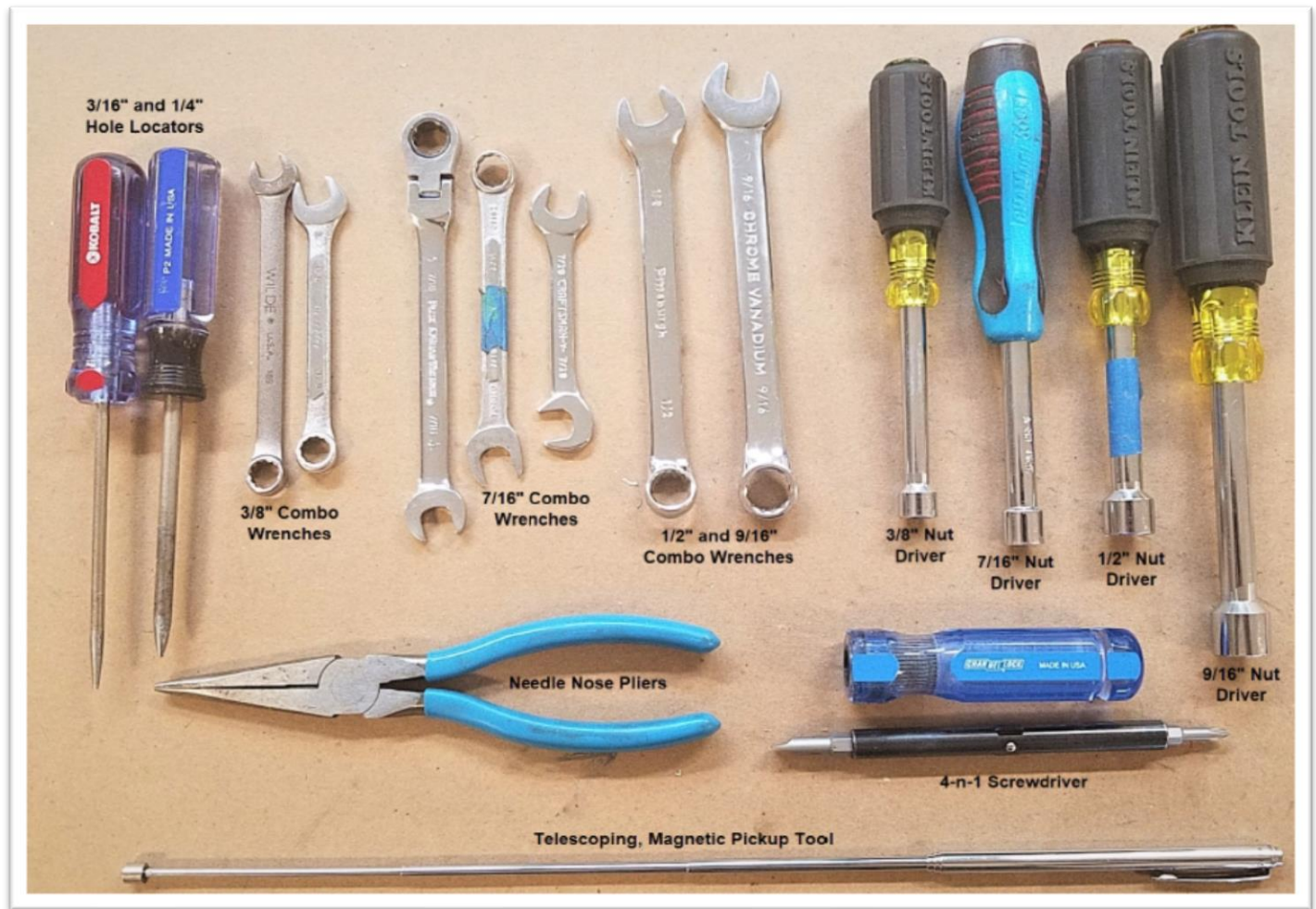




Tool Box Essentials: Working with Fasteners

by Team Skunkworks



If someone were to ask me about the tools we use most often for assembling or disassembling a Kasperwing, I would highly recommend the selection pictured above. In fact, I'd suggest purchasing duplicates of the combo wrenches and nut drivers in the 3/8" and 7/16" sizes.

Hole Locators: After trying to align multiple, overlapping holes through tubes and brackets--to the point of wanting to pound the bolt through-- Jack came up with this slick tool to line up holes. The Sharp Pointy Things (technical name) are made from cheap phillips screw drivers with the tips ground down.

Combo Wrenches and Nut Drivers: The most common bolts used on the Kasperwing are the AN3 and AN4. You will need nut drivers and wrenches in the 3/8" and 7/16" sizes to fit those. AN5 and AN6 bolts take 1/2" and 9/16" drivers and wrenches. Tip: If you can buy wrenches with a thin profile, you will have much better luck getting into tight spots. We have taken a cheap wrench and ground the working end til it's thin enough.

Needle Nose Pliers: These are great for getting at safety pins or rings, especially if your hands are cold.

Magnetic Pickup Tool: It is a given that you will drop a fastener—most likely inside a tube, channel or engine cowling. This tool will save you. Remember: Anything lost or forgotten **will** go through the prop!