

Northland Aviation Maintenance Technology
Student Tool List

1- Calculator



1- Pocket Knife (under 3 inch blade)



1- Pair of Safety Glasses



1- 6 inch Pocket Ruler 1/32 inch scale



1- Combination Square



1- Flashlight with batteries



1- Tool box



1ea. 1/4 inch Drive socket sets (1/4 inch thru 1/2 inch, 6 and 12 point, must include 11/32 inch)



1- 1/4 inch Drive Swivel Socket set (1/4 inch thru 1/ inch, preferably 12 point, must include 11/32 inch)



1- 1/4 inch Drive Ratchet



1 ea. 1/4 inch Drive 3 inch, 6 inch and 12 inch extensions



1- 3/8 inch Drive deep socket set (3/8 inch thru 7/8 inch, 12 point)



1- 3/8 inch Drive Swivel Socket set (3/8 inch thru 3/4 inch, 6 or 12 point)



1- 3/8 inch Drive Ratchet



1 ea. 3/8 inch Drive 3 inch, 6 inch, 8 inch extensions



1- 1/2 inch internal drive to 3/8 inch external drive adapter



1- 3/8 inch internal drive to 1/2 inch external drive adapter



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1- 7/8 inch deep thin wall 1/2 inch drive Aviation Spark Plug Socket.



1- 3/8 inch Drive Speed Handle



1-3/8 inch Drive screwdriver bit socket, with #1 thru #3 Philips bits.



1- Combination wrench set 1/4 inch thru 1 inch, must include 11/32 inch (box end, 12 point)



1- Set Crows feet 3/8 inch drive.



1-Set Angle wrenches, open end, 3/8 inch thru 3/4 inch and a 7/8 inch



1-Set Ratcheting Wrenches (Gear Wrench style) 3/8 inch thru 3/4 inch.



1 Allen wrench set 1/16 inch thru 5/16 inch



1 ea. Common screwdriver, Stubby, 6 inch, and 8 inch long.



1 ea. #2 Phillip's screwdriver, Stubby, 6 inch, and 8 inch long



1- #1 Philip's stubby screwdriver.



All Screwdriver lengths are approx., not exact.

1- Valve Core extractor-preferably screwdriver type.



1- Nut Driver Set



1-Set of picks



1- 6 inch or 8 inch Vise Grip Pliers



1- 8 inch Channel Lock Pliers



1- Duckbill Pliers



1-Needle nose pliers



1-Diagonal Cutter Pliers



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1- 6 inch slip joint pliers



1-wire stripper/crimpers



1-Snap ring pliers set (not the changeable tip style)



1- Set Aviation Tin Snips (left, right, and straight cut)



1- 6 inch Safety wire pliers (anything less than \$40 list price will not work and may cause injury) preferably reversible.



1 pound of each .020 inch or .025 inch, .031 inch, and .041 inch Stainless Steel Safety wire. Size may vary by a few thousandths of an inch.



1- Ball peen Hammer (approx. 8oz.)



1- Mallet, rawhide or plastic



1-Punch and chisel set (should include 3/32 inch thru 1/4 inch pin punches)



1-Automatic Center punch



1-Hacksaw with blades (32 teeth per inch.)



2 ea. #40, #30, #21, and #11 Drill bits.



1ea. 8 inch Mill File, 8 inch round file, 8 inch 1/2 round file. All Bastard cut with handles.



1- File Card (file cleaning brush)



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1- Feeler gauge set (Flat and Round)



1-Dial or digital caliper-non plastic



1-Auto range Digital Multi-meter



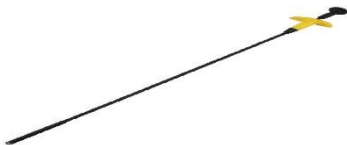
1-Telescopic Magnet



1-Inspection mirror



1- Mechanical fingers



1- Gasket scraper



1-Blow gun with type L quick air coupler (male)



1-Tire air chuck with type L quick air coupler (male)



1- Tire pressure gauge, not stick type.



2 Boxes of Latex style gloves – Nitrile



2 Fine tip felt marker (Sharpie style)



Hearing Protection



1-Gas welding Goggles



1-1/2 mask respirator with particulate and vapor cartridges.



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1 ea. AN470-3, AN470-4, AN470-5, AN470-6, and 1 inch face flush, .401 shank, rivet sets. These are for driving aircraft rivets and may be found at any online aircraft tool specialty vendors, and Amazon.



The College holds a tool day the first week of the fall semester where tool kits may be purchased from many different vendors (Snap-on, Mac, Fastenal ext.) at a great cost saving for the students. This is the minimum tool list and can be expanded on if desired.