



476 John T. Lane Road NW Thomson, GA 30824
Aviation Maintenance Technology Program

Required Student Tools

Note: Tools are to be secured by the first day of AVMT1021 in the first semester of the General Curriculum. All other students who are not starting at the beginning of the General Curriculum will be required to have their tools on the first day of class. A tool inventory will be done after the prescribed time to ensure that each student has the required tools. The student's tools are subject to inspection by the FAA. A student's failure to have and maintain all the required tools, and having them shadowed, will result in the student not advancing in the program and/or failure of the class.

¼" Drive Sockets

12-pt Standard sockets (NOT Metric): 3/16" to 9/16" (3/16, 7/32, ¼, 9/32, 5/16, 11/32, 3/8, 7/16, ½, 9/16)

12-pt Standard deep sockets (NOT Metric): 3/16" to 9/16" (same sizes as above)

¼" Drive Tools

Universal Joint

Quick Release Ratchet

3" extension bar

6" extension bar ¼"

1/4 to 3/8" adapter

3/8" Drive Sockets

12-pt Standard sockets (NOT Metric): 3/8" to 1" (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, ¾, 13/16, 7/8, 15/16, 1")

12-pt Standard deep sockets (NOT Metric): 3/8" to 1" (same sizes as above)

3/8" crow's feet set to include 15/16" (see attached photo) (3/8, 7/16, ½, 9/16, 5/8, 11/16, ¾, 13/16, 7/8, 15/16)

7/8" spark plug socket (Aviation type – Not Automotive)

3/8" Drive Tools

Universal Joint

Quick Release Ratchet

Speed Handle

3" extension bar

6" extension bar

3/8" to ¼" adapter

3/8 to 1/2" adapter

1/2" to 3/8" adapter

Apex Bit Socket/Holder (see attached photo)

Wrenches

Combination Wrench Set (NOT Metric): 1/4" to 1 1/4" (must include - 1/4 in., 9/32 in., 5/16 in., 11/32 in., 3/8 in., 7/16 in., 1/2 in., 9/16 in., 5/8 in., 11/16 in., 3/4 in., 13/16 in., 7/8 in., 15/16 in., 1 in., 1-1/16 in., 1-1/8 in., 1-3/16 in., 1-1/4 in.)

Stubby Combination Wrenches (NOT Metric): 3/8" to 3/4" (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4)

Standard Ignition Wrench Set (NOT Metric): 5/32" to 7/16" (must include-5/32, 3/16, 13/64, 7/32, 15/64, 1/4, 9/32, 5/16, 7/16)

Hex Key Wrench Set (Standard)

Pliers

Diagonal Cut Pliers

Needle Nose Pliers

Flush Cut Pliers (See attached photo)

Slip Joint Pliers

Arc Joint Pliers (Channel Locks)

Duck Bill Pliers

Curved Jaw Locking Pliers (Vise grips)

6" Hemostat

Screwdrivers

#0 Phillips

#1 Phillips

#2 Phillips

#3 Phillips

3/16" Slotted

1/4" Slotted

5/16" Slotted

3/8" Slotted

Miscellaneous Tools

Eye Protection (OSHA approved)

Hearing Protection

Flashlight

Inspection Mirror

Magnetic Pickup

Mechanical Pickup

Magnifying lens-10x

Jewelers File set

10" Half Round Bastard File

10" Mill Bastard File

File Card (see attached photo)

Screw Extractor Set (see attached photo – large set not required – 10pc or less is acceptable provided the set has 3/32", 1/8", 5/32", 3/16", 7/32") (Some Extractors have numbers. Number to fraction size: #1- 3/32 to 5/32, #2- 5/32 to 7/32, #3- 7/32 to 9/32, #4-9/32 to 3/8, #5-3/8 to 5/8, #6-5/8 to 7/8)

16 oz plastic hammer

12 oz ball peen hammer

12" Combination square

Pick Set (Scribes)

6" metal rule w/ 32nds & 64ths graduations

Apex bits (assorted – see attached photo)

36 blade combination feeler gauge

Cotter Pin puller (see attached photo)

Wire Strippers (AWG 10-22)

Tin Snips (Straight – will have yellow handle)

Safety wire pliers (6 inch reversible recommended)

8-piece Brass **or** Aluminum punch set (**see attached photo** – set will have sizes from 1/8" to 5/16")

Automatic Center Punch (This punch does not belong to any set listed. It is a single tool)

Center Punch

Pin Punch Set (3/32", 1/8", 5/32", 3/16", 1/4")

3/8 Cold Chisel

Retaining ring plier set for up to 3" bore. Should include the following: All tip diameters should include tip angle 0, 45, and 90 degrees. Tip diameter should include .038, .047, .070, and .090. (see attached photo - Must use a set of pliers with permanent tips – Not the single plier with interchangeable tips.)

Toolbox that is shadowed to hold the above tools. The Toolbox will be no bigger than 46 in. Wide x 18 1/4 in. Wide x 37 1/8 in. High. Can be smaller, but must be able to hold all the above tools and be shadowed for tool control. (See Attached Photos)

Note: Tools may be acquired however desired but should be of good quality to withstand everyday use in the Aviation Maintenance Field.

Example of a shadowed toolbox:



Most Asked About Tools:

Crow's Feet



Apex Bit Holder



Ignition Wrench Set



Diagonal Cut Pliers



File Card



Screw Extractor Set



Cotter Pin Puller

Flush Cut Pliers



Apex Bit Set (Bit Set)



Snap Ring Plier Set



8 Piece Brass Punch Set



Toolbox 46in. Wide x
18 1/4 in. Wide x 37 1/8 in. High.



Toolbox Example #2 26 in. x 22 in

