

# AIRM Tool Requirements 2018 - 2019

**NOTE: Major tool distributors (I.E. Snap-On, Matco, etc.) give deep discounts on their tools while you are in school. There will be a tool show on campus August 23rd at the Diesel Program where you may talk to the distributors directly and order your tools. Your tool box will be inventoried on October 1st, this will give you ample time to acquire your tool set. Tools marked with (\*\*) are optional, they may be checked out from the tool room for use at no charge.**

***This list supersedes the list in the handbook.***

All quantities are 1 each unless otherwise noted.  
Minimums only, additional tools may be acquired at student's discretion.

## **Welding**

Shirt REV FS7-KHK-LL FR Long sleeve shirt  
Gloves REV 25 KL classic TIG kidskin  
Safety Glasses PYR SB1810S Venture II clear lens black frame  
Cap CMX 71/8REV Comeaux reversible  
Brush ANC 387-SS Shoe handle scratch stainless steel 4X16 rows  
Pliers IRW 2078308 Diagonal cutting  
File PFD11012 flat smooth cut  
File PFD11010 bastard cut  
File PFD11073 round, bastard cut  
Brush PFD17147 file card with nylon, USH

## **General Tools**

### **Carts/Boxes**

Tool Cart, 3-drawer, w/castors (for use during program)  
Tool Box, bottom with wheels (do not bring to the program -optional)

### **Measurement**

Combination square, 3 piece, with protractor  
Tape measure, 12 foot (Prefer 25 foot) (\*)  
Multimeter, digital  
Ruler, 6" pocket, 1/64" graduations  
Feeler gauges, 26 piece, (0.0015 – 0.0400)  
Calipers, 6 inch, dial or digital  
Tire pressure gauge, dial or digital

### **Drills**

Cordless drill  
Drill set, number, 0-60, HSS or Cobalt  
Drill set, fractional, 1/16" – 3/8", HSS or Cobalt

### **Pliers**

Slip joint, 10 inch  
Slip joint, 6 inch  
Diagonal cutting, 8 inch  
Duckbill, 6-8 inch  
Wire crimping, AMP type  
Needle nose, 6-8 inch

## Inspection

- Magnifying glass, lighted, 10X
- Mirror, 2", retractable, round or square
- Flashlight, small double-A, high intensity

## Wrenches, combination, 12 point, 10 piece

- 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", & 7/8"

## Socket set, 1/4" drive, 12 point, standard length

- 1/8", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" & 1/2"

- Universal joint

- Ratchet, reversible, approximately 5 inch

- Extensions, 2" and 6"

## Socket set, 3/8" drive, 12 point, standard length

- 3/8", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8"

- Universal joint

- Ratchet, reversible, approximately 7 inch

- Extensions 3" and 8"

## Screwdrivers

- Standard (flat) tip, minimum 5-piece, to include #1, #2 & #3 tips

- Phillips tip, minimum 5-piece, to include #1, #2 & #3 tips

- Offset, Phillips #1 & #2, Standard (flat) 1/4"

## Cutting

- Hack saw w/32 TPI metal blades

- Aviation snips, straight, left & right cut

## Hammers

- Plastic tip, Approximately 1 pound

- Ball Peen, Approximately 12 ounces

## Punches & Chisels

- Chisel, cold, 5/16" cut & 3/4" cut

- Punches, pin, 3/32", 1/8", 5/32", 3/16" & 1/4"

- Punch, center, 6 inch (automatic center punch accepted)

## Miscellaneous

- Valve core remover

- Hex key set, standard, 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4"

**Note: Throughout the year we will discuss optional tools you may want to acquire prior to graduation. Second year students and tutors are an excellent source of information on tools to add to your tool box inventory.**

## Drawing & Drafting (Required August 31)

- Compass Kit (\*\*)

- Eraser, pink pearl

- French curve, 6" (\*\*)

- Lead, 2H, 4H, & HB

- Pad, dry cleaning

- Scale, Architectural (\*\*)

- Sharpener, drafting

- Tape, drafting

- Template, erasing

- Triangles, 4"-30-60-90, 6"-45-45-90, & 10"-30-60-90 (\*\*)