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**Aviation Maintenance Technology**

## Minimum Tool List

Updated 10/23

## Basics

|                       |                                                                                    |
|-----------------------|------------------------------------------------------------------------------------|
| Safety Glasses        | ANSI Z87+ US standard                                                              |
| Scientific Calculator | Must have trig functions                                                           |
| 6 in steel scale      | 32 <sup>nds</sup> and 64 <sup>ths</sup> , 10 <sup>ths</sup> and 100 <sup>ths</sup> |
| Flashlight            | Use of phones not acceptable                                                       |

## Pliers

|                    |                                     |
|--------------------|-------------------------------------|
| Needle Nose Pliers | Medium size 5-6 inches total length |
| Diagonal Cutters   | Medium size 5-6 inches total length |
| Duckbill Pliers    | Medium size 5-6 inches total length |

## Screwdrivers

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Slotted screwdrivers  | 1/8 <sup>th</sup> , 3/16 <sup>th</sup> , 1/4 <sup>th</sup> , 5/16 <sup>th</sup> inch |
| Phillips screwdrivers | P0, P1, P2, P3                                                                       |

## Wrenches

|                                         |                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------|
| Combination Wrench Set                  | 3/8 <sup>th</sup> to 1 in 1/16 <sup>th</sup> inch increments, 12 point                 |
| 3/8 <sup>th</sup> inch drive Socket Set | 3/8 <sup>th</sup> to 7/8 <sup>th</sup> in 1/16 <sup>th</sup> inch increments, 12 point |
| 3/8 <sup>th</sup> Inch Ratchet Handle   | 8 to 12 inches in length                                                               |
| Allen wrenches                          | 1/16 <sup>th</sup> to 3/8 <sup>th</sup> inches                                         |
| Ignition wrench set                     | 3/16 <sup>th</sup> to 11/32 <sup>nd</sup>                                              |

## Simple Sheetmetal Tools

|                    |                                       |
|--------------------|---------------------------------------|
| Combination Square | with 12-inch rule                     |
| Flat Bastard File  | 12 inch with handle                   |
| Ball Peen Hammer   | 8 ounce                               |
| Center Punch       | Automatic is acceptable, not required |
| Scribe             |                                       |

## Other Tools

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| Pin Punch set       | Minimum 3/32 <sup>nd</sup> to 1/4 <sup>th</sup> , 1/32 <sup>nd</sup> increments |
| N95 masks           |                                                                                 |
| Utility Work Gloves |                                                                                 |

## Recommended but not required

### Wrenches

|                                              |                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------|
| 1/4 <sup>th</sup> inch drive socket set      | 1/4 <sup>th</sup> to 1/2 in 1/16 <sup>th</sup> inch increments, 12 point |
| 1/4 <sup>th</sup> inch ratchet handle        | 6 to 8 inches in length                                                  |
| 1/4 <sup>th</sup> inch drive extension       | 3 to 5 inches in length                                                  |
| 1/4 <sup>th</sup> inch drive universal joint |                                                                          |
| 3/8 <sup>th</sup> inch drive speed handle    |                                                                          |
| 3/8 <sup>th</sup> inch drive extensions      | 4 to 8 inches in length                                                  |
| 3/8 <sup>th</sup> inch drive universal joint |                                                                          |

### Screwdrivers

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| Ratcheting replaceable bit screwdriver | Bits should include at minimum slotted and Phillips |
|----------------------------------------|-----------------------------------------------------|

### Pliers

|                    |                  |
|--------------------|------------------|
| Safety wire pliers | 6 inch or 9 inch |
| Water pump pliers  | 12 inch          |

### Other tools

|                   |                                              |
|-------------------|----------------------------------------------|
| Dead blow hammer  | 24 to 32 ounce                               |
| Brass drift       | 1/4 <sup>th</sup> to 3/8 <sup>th</sup> inch  |
| Vernier Caliper   | 6 inch with standard/inch scale, non-digital |
| Pick and Hook set | Large and small size                         |
| Multimeter        |                                              |