

AVIATION MAINTENANCE MINIMUM TOOL LIST

REQUIRED PRIOR TO BEGINNING FIRST YEAR

PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION

Must meet ANSI Z87. Corrective lenses which do not meet ANSI Z87 MUST be covered by safety glasses which meet the Standard.

HEARING PROTECTION

Ear muff style is recommended

RESPIRATORY PROTECTION

Dust mask AND Activated Charcoal type respirator with airtight storage enclosure

WELDING GLOVES

All leather, gauntlet type

LEATHER GLOVES

COVERALLS OR SHOP COAT

CLOSED TOE LEATHER SHOES

MEASURING TOOLS

OUTSIDE MICROMETER

Analog, 0-1" range, graduated to .0001"

VERNIER CALIPER

Dial indicating, steel, graduated to .001"

COMBINATION SET

Includes 12" machinists square, protractor head and centering head

MACHINISTS SCALE

6", graduated in 1/100" and 1/64". Flexible.

STEEL TAPE RULE

25' minimum

MULTIMETER

Digital, diode check, 10amp circuit preferred

INSPECTION TOOLS

INSPECTION MIRROR

Approx 2", round or rectangular

FLASH LIGHT

2 "D" cell batteries. Non magnetic. No "mini mag" or pocket type lights

10X MAGNIFYING GLASS

PLIERS

VICE GRIP LOCKING PLIERS 6"

DUCK BILL PLIERS 8"

NEEDLE NOSE 6"

NEEDLE NOSE 11"

DIAGONAL CUTTING PLIERS 6"

"CHANNEL LOCK" PLIERS 10"

12 POINT COMBINATION WRENCHES

SET, SIZE 1/4"-11/16" Twelve point

SCREWDRIVERS

MAGNETIC Includes #1 and #2 Phillips, small and medium straight apex bits.

SCREWDRIVER SET

Craftsman model 31794 or equivalent

METAL WORKING TOOLS

CENTER PUNCH

SCRIBE straight and 90 degree bend

HACK SAW

12" with 32 teeth per inch

FILE

Flat, smooth single cut

Flat, medium double cut

Round, smooth. All files 8"

WOOD OR PLASTIC FILE HANDLES

FILE CARD

COLD CHISEL 4"x7/16"

COLD CHISEL 4"x1/4"

PIN PUNCH SET 1/16"-5/15"

SOCKET SETS

1/4" DRIVE SHALLOW SOCKETS

1/4"-9/16" TWELVE POINT

1/4" DRIVE RATCHET HANDLE

1/4" DRIVE EXTENSION 3" LENGTH

1/4" DRIVE EXTENSION 6" LENGTH

3/8" DRIVE SHALLOW SOCKETS

3/8"-1" Twelve Point

3/8" DRIVE RATCHET HANDLE

3/8" DRIVE SPEED HANDLE

3/8" DRIVE EXTENSION 3"

3/8" DRIVE EXTENSION 6"

ADDITIONAL FIRST YEAR TOOLS

BALL PEEN HAMMER 4OUNCE
SOFT FACE DEAD BLOW HAMMER
HEX KEY SET

.050"-3/16"

CALCULATOR, TI-30X, 33X,35X
PLASTIC PROTRACTOR
PENCIL COMPASS
EXACTO TYPE KNIFE
TOOL BOX

No larger than 22" long x 12" wide. Must be able to fit in locker

SECOND YEAR TOOLS

COMBINATION WRENCHES

Twelve point, 3/4"-1"

SOCKET SET

1/4" drive twelve point deep. 1/4"-9/16"

AIRCRAFT SPARK PLUG SOCKET

3/8" drive six point 7/8". This is a specific type of socket. Use of non application specific socket could damage spark plugs or engines.

TIRE VALVE CORE TOOL

PUTTY KNIFE 1" WIDE

TORQUE WRENCH, BEAM TYPE 1/4" DRIVE. 250 IN/LBS

TORQUE WRENCH, BEAM TYPE 1/4" DRIVE. 250 IN/LBS

WELDING GOGGLES-GAS

WELDING HELMET/GOGGLES-MIG/TIG/STICK

Approximate Grand Total: \$2,000