



REQUIRED TOOLS AND EQUIPMENT

REQUIRED TOOLS

REV: MAY, 2011

THE FOLLOWING TOOLS AND EQUIPMENT ARE REQUIRED FOR THE AVIATION MAINTENANCE TECHNOLOGY (AMT) COURSE BY THE SECOND WEEK OF CLASS AND MUST BE EQUAL IN QUALITY TO PROFESSIONAL TOOLS USUALLY FOUND IN THE AVIATION MAINTENANCE FIELD

-TOOL BOX:

- 22" X 10" X 14" MINIMUM. A SIMPLE, SMALL LOCKABLE HAND CARRY BOX IS ACCEPTABLE THAT WILL HOUSE ALL THE REQUIRED TOOLS. A ROLL CABINET IS ALSO ACCEPTABLE
- A TOOL BAG IS ALSO NEEDED TO TAKE TOOLS TO THE HANGAR
- BE SURE TO BRING A HEAVY LINK CHAIN AND PADLOCK TO SECURE THE TOOL BOX TO THE HITTING POST. NO CABLES OR CABLE LOCKS

-1/4" DRIVE SOCKET SET TO INCLUDE:

- (1) SOCKET SET-12PT. STANDARD DEPTH, 1/4" THROUGH 9/16"
- (1) SOCKET SET-12PT. DEEP, 1/4" THROUGH 9/16"
- (1) STANDARD RATCHET
- (3) EXTENSIONS- 1 1/2", 3", 6"
- (1) UNIVERSAL JOINT
- (1) ADAPTER- 1/4" DRIVE TO 3/8" SOCKET

-3/8" DRIVE SOCKET SET TO INCLUDE:

- (1) SOCKET SET-12PT STANDARD DEPTH, 3/8" THROUGH 7/8"
- (1) SOCKET SET-12PT DEEP, 3/8" THROUGH 7/8"
- (1) STANDARD RATCHET
- (3) EXTENSIONS- 1 1/2", 3", 6"
- (1) UNIVERSAL JOINT
- (1) ADAPTER- 3/8" DRIVE TO 1/2" SOCKET
- (1) 7/8" SPARK PLUG SOCKET- (3/8" OR 1/2" DRIVE) 6PT DEEP BROACHED

-PLIERS TO INCLUDE:

- (1) 8" DUCKBILL PLIERS
- (1) 6" DIAGONAL CUTTING PLIERS
- (1) 6" LONG (NEEDLE) NOSE PLIERS
- (1) 8" SLIP JOINT PLIERS
- (1) 7 1/2" LOCKING (VISE GRIP) PLIERS
- (1) 10" ADJUSTABLE JOINT INTERLOCKING CHANNEL (WATER PUMP OR CHANNEL LOCKS) PLIERS
- (1) SAFETY WIRE PLIERS (WIRE TWISTERS)
- (1) AUTOMATIC WIRE STRIPPERS- WITH SMOOTH INSULATION HOLDING JAWS

-FILES TO INCLUDE:

- (1) FILE- 10" FLAT MILL, SINGLE CUT
- (1) FILE- 10" HALF ROUND, DOUBLE CUT
- (1) FILE- 8" RAT TAIL
- (3) FILE HANDLES- TO FIT THE ABOVE FILES
- (1) FILE CLEANING BRUSH (FILE CARD)

-HACKSAW TO INCLUDE:

- (1) 12" ADJUSTABLE FLUSH CUTTING HACK SAW
- (2) 12" HACKSAW BLADES- (1) 32TPI AND (1) 24 TPI

-WRENCHES TO INCLUDE:

- (1) COMBINATION WRENCH SET- 12POINT ¼" THROUGH 1"
- (1) ANGLE HEAD WRENCH SET- ¼" THROUGH 7/8"

-HAMMERS TO INCLUDE:

- (1) 12 OZ. BALL PEEN
- (1) 12 OZ. PLASTIC TIPPED

-PUNCHES AND CHISELS TO INCLUDE:

- (1) CENTER PUNCH- 3/8" X 4 1/2"
- (1) EACH PIN PUNCH- 3/32", 1/8", 5/32", 3/16"
- (1) ½" COLD CHISEL

-SCREWDRIVERS TO INCLUDE:

- (1) EACH SLOTTED (STRAIGHT) SCREWDRIVER
 - 1/4" X 6"
 - 3/8" X 12"
 - 5/16" X 8"
 - 1/4" STUBBY
 - SMALL POCKET SCREWDRIVER
- (1) EACH PHILLIPS (CROSS POINT) SCREWDRIVER
 - #1 X 3"
 - #2 X 4"
 - #2 STUBBY
 - SMALL POCKET SCREWDRIVER

-MISCELLANEOUS TOOLS TO INCLUDE:

- (1) MACHINIST COMBINATION SQUARE- PREFERRED TO HAVE ONE WITH A PROTRACTOR HEAD AND CENTER HEAD
- (1) EACH METAL SNIPS (AIRCRAFT TIN SNIPS)
 - LEFT
 - RIGHT
 - STRAIGHT
- (1) HEX KEY WRENCH SET (ALLEN WRENCHES) - 1/16" THROUGH 3/8" APPROX. 14 PIECE SET
- (1) FEELER GAUGE- LEAF TYPE, .0015" THROUGH .035"
- (1) 6" FLEXIBLE STEEL RULE- 1/64" AND 1/32" GRADUATIONS ON ONE SIDE, DECIMAL ON THE OTHER
- (1) 6" PLASTIC PROTRACTOR
- (1) PENCIL COMPASS
- (1) 2¼" INSPECTION MIRROR
- (1) MECHANICAL FINGERS
- (1) FLASH LIGHT
- (1) EAR MUFF STYLE HEARING PROTECTORS
- (1) PAIR SAFETY GLASSES OR GOGGLES
- (1) 6" METAL SCRIBE- ONE END ANGLE, ONE END STRAIGHT POINT

-TOOLS NOT REQUIRED BUT SUGGESTED FOR THE AMT PROGRAM TO INCLUDE:

- (1) 1/4" DRIVE SOCKET SET- 12 PT. UNIVERSAL SOCKETS- ¼" THROUGH 9/16"
- (1) 1/4" DRIVE EXTENSION- 12" LONG
- (1) 3/8" DRIVE EXTENSION- 12" LONG
- (1) 6" NEEDLE FILE SET (JEWELERS FILES)
- (1) EACH COMBINATION WRENCH- 12POINT- 1 1/16", 1 1/8", 1 3/16", 1 ¼"
- (1) EACH ANGLE HEAD WRENCH- 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 ¼"
- (1) RATCHETING MAGNETIC TIP SCREWDRIVER- USES INDIVIDUAL TIPS
- (1) 6" CALIPER- VERNEER, DIAL OR DIGITAL
- (1) 0"-1" MICROMETER
- (1) MAGNIFYING GLASS- 10X PREFERRED BUT 5X IS ACCEPTABLE

