

All students must have the tools listed below within four weeks of their class starting date.

In addition, the following items must be obtained before the start of either airframe or powerplant:

- 1) Multi-Meter 2) Respirator 3) Venier caliper, 0-6"

GENERAL TOOLS

- Tool box 18" x 8" x 9", steel, with tool tray
- Inspection mirror, 2 1/4" round
- Protective goggles, safety, clear lens with side pieces
- Hearing protector, ear muff style
- Flashlight with batteries
- Steel ruler, 12" (1/32 and 1/64 scale)
- Lock, combination or key
- Spark plug socket, 7/8" or extra deep

MISCELLANEOUS

- Scraper
- Ball peen hammer, 12 oz., 6"
- Mechanical fingers
- Plastic/rubber mallet, 12 oz.
- Utility knife
- Scribe
- 20-piece standard combination hex key set

WRENCHES

Standard combination wrenches, open end/box end

1/4"	7/16"	11/16"
5/16"	1/2"	3/4"
11/32"	9/16"	13/16"
3/8"	5/8"	7/8"

Ignition Wrench Set, 10-piece

SOCKET WRENCH SET, 1/4" DRIVE

- 12-point sockets:

5/32**	9/32"	11/32"
3/16"	5/16"	7/16"
7/32"	11/32"	1/2"
1/4"		9/16"

- Drive Tools:
 - 1/4" drive ratchet
 - 1 1/2" extension bar
 - 3" extension bar

*Available in 6-point only

For each class students must also have the following:

- 1) Calculator, sufficient pens, No. 2 pencils and note paper
- 2) For shop work, students must have three each of the following twist drills: #21, #30, 3/32", 1/8", 5/32"
- 3) Scantron form no. 882-ES or equivalent

SOCKET WRENCH SET, 3/8" DRIVE

- 12-point deep sockets:

3/8**	9/16"	11/16"
7/16"	7/8"	3/4"
1/2"	5/8"	13/16"

- 12-point sockets:

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

- Drive tools:
 - 3/8" drive ratchet
 - 6" extension bar
 - 3" extension bar
 - Universal joint
 - Adapters (set of three) 3/8" x 1/4"
 - 3/8" x 1/2"
 - 1/4" x 3/8"

- 1/2" Drive sockets: 1", 7/8", 15/16"

- Pliers
 - 7" diagonal cut, 8" long nose, 8" slip joint,
 - 9 1/2" arc joint, 6" or 9" safety wire,
 - snap ring/combination with replaceable tips

- Six punches/chisels
 - 3/8" x 4 1/2" center punch, automatic
 - 1/8" x 5" pin punch
 - 5/32" x 5" pin punch
 - 3/16" x 5 3/8" pin punch
 - 1/2" x 5 3/8" cold chisel

- Screwdrivers
 - 1/4" x 1 1/2" screwdriver, slotted
 - 3/16" x 4" screwdriver, slotted
 - 1/4" x 6" screwdriver, slotted
 - #2 x 1 1/2" screwdriver, Phillips
 - #1 x 3" screwdriver, Phillips
 - #2 x 4" screwdriver, Phillips