

## REQUIRED TOOL LIST

### REQUIRED WITHIN FIRST 2 WEEKS

Combination wrench set ( $\frac{1}{4}$ " to  $1\frac{1}{4}$ "")  
6" diagonal cutting pliers  
8" Duck bill pliers  
Hacksaw with assortment of blades  
6" steel rule  
25' Tape measure  
Multi-meter (volts, ohms, amps) 13-20 ranges  
Needle (precision) file set  
Safety glasses (comfortable)  
Scientific calculator

### REQUIRED WITHIN FIRST 2 MONTHS (in addition to the above)

#### SOCKET SETS

##### 1/4" Drive

Reversible ratchet (fine tooth preferred)  
3" and 6" extension bars  
12-point sockets ( $\frac{1}{4}$ " to  $\frac{9}{16}$ "")  
12-point deep well sockets ( $\frac{1}{4}$ " to  $\frac{9}{16}$ "")

##### 3/8" Drive

Reversible ratchet  
3" and 6" extension bars  
No. 2 Phillips and  $\frac{5}{16}$ " flat bit and holder  
12-point sockets ( $\frac{3}{8}$ " to 1")  
12-point deep well sockets ( $\frac{3}{8}$ " to 1")

#### WRENCHES

10 piece combination miniature (ignition)

#### SCREWDRIVERS

Slotted: stubby,  $\frac{5}{16}$ " X 4,  $\frac{1}{4}$ " X 6,  $\frac{5}{16}$ " X 8-in.  
Phillips: Nos. 0, 1, 2, and 3 & stubby #2.

#### HAMMERS

12 oz. ball-peen  
12 oz. plastic-tip

#### PLIERS

6" long nose  
 $6\frac{3}{4}$ " slip-joint  
 $9\frac{1}{2}$ " Arc joint/adjustable joint  
6" safety-wire

### MISCELLANEOUS TOOLS

14-piece hex key set (i.e. Allen® wrenches)  
Ignition (feeler) gauge set (miniature type)  
Punches ( $\frac{3}{32}$ ",  $\frac{1}{8}$ " pin, starting & center)  
Chisel set (cape,  $\frac{3}{8}$ " flat &  $\frac{1}{2}$ " flat)  
Brass drift set  
12" combination square  
Magnetic pick-up tool  
Small flashlight (Mag-Lite style)  
(2) Inspection mirrors - 1 large, 1 small  
Paint respirator (organic vapor type)  
(3) Files (with a handle)  
8" flat, 8" round, and 8" half-round  
Air blow gun kit (dust gun with defuser)  
Hearing protection (ear muff style)  
Tool box (Bottom roll box preferred)  
Compound leverage "aviation" snips  
(Off-set handles)  
Welding goggles (#5 flip up lens)  
Welding gloves (light duty)  
 $\frac{7}{8}$ " aviation spark plug socket  
Air chuck

### RECOMMENDED TOOLS (not required)

Crow's feet ( $\frac{3}{8}$ " to 1")  
Swivel sockets ( $\frac{1}{4}$ " to  $\frac{9}{16}$ "")  
(2) Torque wrenches -  
(1) 30-150 in.lb., (1) 10-75 ft.lb.  
Angle head wrenches ( $\frac{3}{8}$ " to  $1\frac{1}{4}$ "")  
Stubby wrench set ( $\frac{3}{8}$ " to 1")  
Ratcheting screwdriver with bits  
Ratcheting off-set screwdriver  
Precision screwdriver set  
Micrometer, 0-1"  
Vernier caliper  
Retaining ring pliers  
Magneto timing light  
Wire type spark plug gap gauge set  
(.015" to .022")  
Soldering iron (15 to 30 watt)  
12-piece punch, chisel, and line-up set  
 $\frac{3}{8}$ " cordless drill  
Pneumatic die grinder  
Air drill (geared)  
Drill bit set: #1 – #60  
Sheet metal nibblers  
Automatic center punch  
(Replaces required center punch)  
Deburring tools (knife & hole)  
Thread pitch gauge  
Large flashlight (Mag-Lite style)