

Automotive Technology Program Required Tool List

Toolbox

- o Moveable toolbox with drawers
- It is recommended to buy a box similar to the toolbox pictured so that each student will have ample storage while also giving them a personal workstation in the lab

Safety Glasses

- o Must be ANSI-Z87+ rated (Non-tinted and OSHA approved)
- o Prescription glasses must meet OSHA standards

• Socket Sets – 1/4" Drive

- o 6 Point Standard Depth Set [1/4" 1/2"]
- o 6 Point Deep-Well Set [1/4" 1/2"]
- o 6 Point Standard Depth Set [6mm 12mm]
- o 6 Point Deep-Well Set [6mm 12mm]
- Universal Attachment for 1/4"
- Extensions [3"-4"] [6"]
- Ratchet

Socket Set – 3/8" Drive

- o 6 Point Standard Depth Set [5/16" 3/4"]
- o 6 Point Deep-Well Set [3/8" 3/4"]
- o 6 Point Standard Depth Set [10mm 19mm]
- o 6 Point Deep-Well Set [10mm 19mm]
- o Universal Attachment for 3/8"
- o Extensions [3"] [5"- 6"] [10"-12"]
- o Ratchet
- Spark Plug Sockets [5/8" & 13/16"]
- o Allen (Hex) Bit Set [5/32" 3/8"]
- o Adapter 3/8" 1/2"

• Socket Set - 1/2" Drive

- o 6 or 12 Point Standard Depth Set [7/16" 1 1/8"]
- \circ 6 or 12 Point Deep-Well Set [7/16" 1 1/8"]
- o 6 or 12 Point Standard Depth Set [10mm 24mm]
- o 6 or 12 Point Deep-Well Set [10mm 24mm]
- o Universal Attachment for 1/2"
- o Extensions [3"-3 1/2"] [5"- 6"] [10"-12"]
- o Ratchet
- o Flex Handle / Breaker Bar (18" Min.)
- o O2 Sensor Socket
- Adapter 1/2" 3/8"

Torx Socket/Bit Sets – 1/4" & 3/8" Drive

- Socket (for External Torx Fastener Screw/Bolt) Set [E-4 E-16]
- $\circ \qquad \text{Bit (for Internal Torx Fastener Screw/Bolt) Set [T-8-T-60]}$

Wrench Sets

 \circ Combination Set [1/4" - 1 1/4"]



Blue-Point KRB2006FPQR

- o Combination Set [7mm 24mm]
- o Flare Nut (Tubing) Set [3/8" 3/4"]
- Flare Nut (Tubing) Set [10mm 18mm]
- Allen Wrench (Hex Key) Set [.050" 3/8"]
- Allen Wrench (Hex Key) Set [2mm 7mm, 10mm & 12mm]

Pliers

- o Combination / Slip Joint Pliers [6" 8"]
- o Locking Jaw / Vise Grip Type Pliers [7" 8"]
- o Needle Nose Pliers [6" 8"]
- O Diagonal / Side Cutters Pliers [6" 8"]
- o Water Pump / Channel Lock Type Pliers [9" 10"]
- o Wire Terminal (Stripper / Crimper) Electrical Pliers
- Snap-Ring Plier Set (Internal / External) [6"] [8"]
- Lock-Ring Pliers [8" 9"]

Screwdrivers

o 6+ piece screwdriver set [Flat & Phillips]

Hammers

- o Ball Peen [16 oz.-32 oz.]
- o Plastic or Rubber Tip [12 oz. 16 oz.]

• Miscellaneous Tools

- o Chisel Set (Minimum of 3 Required in Set)
- o Punch Set (Minimum of 2 Starter, 2 Pin and 1 Center in Set)
- o Chisel / Punch Holder [6" 7"]
- o Mini Pick Set (4 pc.)
- o Hack Saw
- Gasket Scraper [1"]
- \circ Claw-Type Pick-Up Tool (Flexible 3 or 4 Claws)
- O Wire Gap / Spark Plug Gauge [.035" 080"]
- o Feeler Gauge Blade Set [.0015"-.040"]
- o 6" Steel Machinist Rule [1/32" Graduations]
- o Tape Measure [12' X 1/2"]
- o Tire Pressure Gauge (Pencil or Dial Type 20 100 PSI)
- Inspection Mirror (Telescopic Type)
- Magnet (Telescopic Type)
- 12 Volt Test Light (Probe with Alligator Clip)
- o Top Post Battery Cleaner (Wire Brush or Blade Type)
- Side Post Battery Cleaner (Wire Brush Type)
- Small Pen Light Flashlight (recommend Streamlight Stylus Pro)
- Stethoscope (Probe Type)
- o Digital Multimeter (CAT III Rated) (Fluke 115 is recommended)

• Brake Specialty Tools

- o Return Spring Remover/Installer
- o Hold-Down Spring Remover/Installer

Optional Tools

- o 6" Dial Caliper or Digital Caliper (used in AUTO 141)
- o Right Angle Die Grinder (used in AUTO 241 and AUTO 243)
- ½" Air Impact (used in multiple AUTO classes)