

Automotive Technology Program Required Tool List

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

- **Socket Sets – 1/4" Drive**
 - 6 Point Standard Depth Set [1/4" - 1/2"]
 - 6 Point Deep-Well Set [1/4" - 1/2"]
 - 6 Point Standard Depth Set [6mm - 12mm]
 - 6 Point Deep-Well Set [6mm - 12mm]
 - Universal Attachment for 1/4"
 - Extensions [3"-4"] [6"]
 - Ratchet

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

- **Socket Set – 1/2" Drive**
 - 6 or 12 Point Standard Depth Set [7/16" - 1 1/8"]
 - 6 or 12 Point Deep-Well Set [7/16" - 1 1/8"]
 - 6 or 12 Point Standard Depth Set [10mm - 24mm]
 - 6 or 12 Point Deep-Well Set [10mm - 24mm]
 - Universal Attachment for 1/2"
 - Extensions [3"-3 1/2"] [5" - 6"] [10"-12"]
 - Ratchet
 - Flex Handle / Breaker Bar (18" Min.)
 - 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]
 - Bit (for Internal Torx Fastener Screw/Bolt) Set [T-8 - T-60]

- **Wrench Sets**
 - Combination Set [1/4" - 1 1/4"]



Blue-Point KRB2006FPQR

- Combination Set [7mm - 24mm]
- 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**
 - Combination / Slip Joint Pliers [6" - 8"]
 - Locking Jaw / Vise Grip Type Pliers [7" - 8"]
 - Needle Nose Pliers [6" - 8"]
 - Diagonal / Side Cutters Pliers [6" - 8"]
 - Water Pump / Channel Lock Type Pliers [9" - 10"]
 - Wire Terminal (Stripper / Crimper) Electrical Pliers
 - Snap-Ring Plier Set (Internal / External) [6"] [8"]
 - Lock-Ring Pliers [8" - 9"]

- **Screwdrivers**
 - 6+ piece screwdriver set [Flat & Phillips]

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

- **Miscellaneous Tools**
 - Chisel Set (Minimum of 3 Required in Set)
 - Punch Set (Minimum of 2 Starter, 2 Pin and 1 Center in Set)
 - Chisel / Punch Holder [6" - 7"]
 - Mini Pick Set (4 pc.)
 - Hack Saw
 - Gasket Scraper [1"]
 - Claw-Type Pick-Up Tool (Flexible 3 or 4 Claws)
 - Wire Gap / Spark Plug Gauge [.035" - .080"]
 - Feeler Gauge Blade Set [.0015"-.040"]
 - 6" Steel Machinist Rule [1/32" Graduations]
 - Tape Measure [12' X 1/2"]
 - 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)
 - 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)
 - Digital Multimeter (CAT III Rated) (Fluke 115 is recommended)

- **Brake Specialty Tools**
 - Return Spring Remover/Installer
 - Hold-Down Spring Remover/Installer

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