

# Automotive Technology Tool List



# Pine Technical College

Revised: 3/2010

## Required Tools

- (2) Adjustable wrenches – 6" and 12"
- (1) Air Blow gun (OSHA approved)
- (1) Allen (wrench or socket) set standard .050-3/8
- (1) Allen (wrench or socket) set metric Sizes, (2 thru 7mm, 10mm, 12mm)
- (1) Battery post cleaner
- (1) Battery terminal Pliers
- (1) Battery terminal puller
- (1) Brake adjusting spoon
- (1) Brake spring tool
- (1) Brake shoe retaining spring tool
- (1) Chisel set (Cape 5/16, cold 1/4, 3/8, & 3/4)
- (1) Claw type pick-up tool

### Combination Wrenches

- (1) Standard set (1/4" – 1 1/4")
- (1) Metric set (7mm – 24mm)
- (1) Flair nut (tubing) wrench set 3/8" – 3/4"
- (1) Flair nut (tubing) wrench set 10mm – 17mm
- (1) Ear Protection (over the ear type preferred)
- (1) Feeler gauge (Blade type) .002" - .040" inches
- (1) Feeler gauge (Blade type) .006mm – 24mm
- (1) Flashlight
- (1) Fuse puller

### Files

- (1) Coarse 6" and 12"
- (1) Fine 6" and 12"
- (1) Half round 12"
- (1) Round 6" and 12"

### Hammers

- (1) 16 oz. Ball Peen
- (1) Brass
- (1) Dead Blow plastic mallet
- (1) Plastic tip
- (1) Rubber mallet
- (1) Inspection mirror
- (1) Jumper wire set (with various adapters)
- (1) Magnetic pick-up tool

### Pliers

- (1) Combination 6"
- (1) Locking jaw
- (1) Needle nose 6"
- (1) Side cutting
- (1) Slip joint (water pump)

### Prv Bars

- (1) Rolling Head
- (1) Straight

### Punches

- (1) Center, Brass Drift, Pin type (1/8, 3/16, 1/4, 5/16), and Taper type (3/8, 1/2, & 5/8)
- (1) Safety Glasses (meeting OSHA requirements)
- (1) Scraper Carbon 1" and Gasket 1"

### Screwdrivers

- (Blade Type) Stubby, 6", 9", 12", & Offset (Phillips Type) Stubby, #1, #2, 6-inch #1, #2, 12-inch, & Offset #2
- (1) Screwdriver-impact driver set
- (1) Screw Starter Standard & Phillips

### Socket Set – 1/4" Drive

- (1) 1/4" - 1/2" Standard depth (6 point)
- (1) 1/4" - 1/2" Deep (6 point)
- (1) 6mm – 12mm Standard depth (6 point)
- (1) 6mm – 12mm Deep (6 point)
- (1) Flex/universal Type
- (1) 2", 6" Extensions
- (1) Ratchet

### Socket Set – 3/8" Drive

- (1) 5/16" – 3/4" Standard depth (6 point)
- (1) 3/8" – 3/4" Deep (6 point)
- (1) 10mm – 19mm Standard depth (6 point)
- (1) 10mm – 19mm Deep (6 point)
- (1) 3", 6", 12" Extensions
- (1) Ratchet
- (1) Spark Plug Sockets 5/8", 13/16"
- (1) Speed Handle
- (1) Universal Joint
- (1) Flex Socket (3/8 Impact ball type)

### Socket Set – 1/2" Drive

- (1) 7/16" – 1 1/8" Standard depth (6 point)
- (1) 7/16" – 1 1/8" Deep (6 point)
- (1) 10mm – 24mm Standard depth (6 point)
- (1) 10mm – 24mm Deep (6 point)
- (1) 5", 10" Extensions
- (1) Flex Handle (Breaker Bar)
- (1) Ratchet
- (1) Flex Socket (1/2 Impact ball type)
- (1) Spark Plug Feeler Gauge (Gap Tool)
- (1) Tape Measure – Standard and Metric
- (1) Test Light (12 Volt)
- (1) Tire Pressure Gauge
- (1) Tire air chuck (for filling tires)
- (1) Torx Set (Screwdrivers or Sockets T-8 to T-60)
- (1) Wire Brush

### Tool Box

- (1) Roller Cabinet — big enough to organize all tools properly

Multi-Meter: MT586BK Snap-On or Equivalent

### Optional Tools Recommended

- (1) 1/2" Drive Torque Wrench 50 – 250Lbs.
- (1) 1/2" Drive Air Impact Wrench
- (1) 1/2" Impact Socket set (7/16" – 1 1/8") Deep preferred
- (1) 1/2" Impact Socket set (10mm – 24mm) Deep preferred
- (1) GCP-10 Dust cap removal tool (Wheel bearings)

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## Preferred Tool Vendors (in alphabetical order)

### Mac Tools

Jason Dowdey, District Manager

Cell: 763-438-1588

Koen van Meeteren, MAC Tools Manager

Tel: 763-262-7783

### Matco Tools

Tel: 1-800-331-2427, Option 3 (Monday — Friday, 8 a.m. to 10 p.m. EST)

Web: [www.matcotools.com/votech](http://www.matcotools.com/votech)

### Snap-On Tools

Dan Nelson • 11502 99th Pl. N. • Maple Grove, MN 55369

Cell: 612-202-4890 • Home: 763-424-8039

E-mail: [dan.k.nelson@snapon.com](mailto:dan.k.nelson@snapon.com)

## “Tool Day”

The Pine Technical College Automotive Technology program hosts an annual “Tool Day” prior to the start of each Fall semester. Vendors including MAC Tools, Matco Tools, Snap-On Tools and more attend the event and offer significant discounts on tools — just for PTC Automotive Technology students! Tool Day typically is held in August. For more information, contact the PTC Automotive Technology Department, 320-629-5162 or 320-629-5136.

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