



**PORTLAND COMMUNITY COLLEGE  
DIESEL SERVICE TECHNOLOGY  
REQUIRED TOOL SET**

**The staff at Portland Community College strongly recommends purchasing high quality tools that have a lifetime guarantee. Students have an excellent opportunity to purchase tools and tool storage at a substantial discount through many different vendors who support the Diesel Program.**

**It is recommended that students contact a Diesel Service Technology Instructor for guidance in the purchasing of the required tool set. Information on purchasing tools can be obtained by calling the diesel shop at 971-722-7275.**

**This tool set is adequate to accomplish the work required of the students during class and it will enable the students to accomplish the work required of them when they first are employed. It should be understood that technicians must continue to build their tool complement throughout their career.**

**It is understood that some pre-packaged vendor tool kits may vary from the Portland Community College required tool list. If the vendor tool kit varies greatly for the PCC required tool list, speak to an instructor to ensure that your purchase will provide you with the needed tools to complete your classes.**



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REQUIRED TOOL SET**

**SCHOOL'S REQUIREMENT:**

**1/4 " Dr. Socket Set**

Ratchet	1/4 "
Sockets	2/32 "- 1/2"
Socket Rail	1/4 "
Metric	5 – 12 mm
Socket Rail	1/4 "
Extension	2 "
Extension	4"

**3/8" Dr. Socket Set**

Universal	3/8"
Speed Handle	3/8"
Ratchet	3/8"
Extension (universal type)	3"
Extension	3"
Extension	6"
Extension	10"
Sockets 12 point	5/16" – 13/16"
Socket Rail	3/8"
Sockets 12 point	10 – 19mm
Socket rail	3/8"
Hex Key Sockets	2 – 10mm
Socket rail	3/8"
Hex Key Sockets	1/16" – 3/8"
Socket rail	3/8"
Torx, Tamper Resistant	T8 –T55
Torx, Drive Sockets	E6 – E16

**1/2" Dr. Socket Set**

Flex Handle (breaker bar)	18"
Ratchet	1/2"

Extension	3"
Extension	6"
Sockets 12 point	7/16 – 1 1/4"
Socket rail	1/2"
Sockets 6 or 12-point impact	7/16 – 1 1/2"
Sockets	12mm – 24mm
Socket rail	1/2"
Adapter	3/8" to 1/2"
Adapter	1/2" to 3/8"
Adapter	1/2" to 3/4"

### Wrenches

Combination Wrenches	5/16 – 1 1/4"
Combination Wrenches	10 – 19mm
Offset Open End Wrenches	5/16" – 3/4"
Tubing Wrenches	3/8" – 3/4"

### Pliers

Slip Joint Pliers	6"
Adjustable Locking Pliers	7"
Tongue and Groove Pliers (Channel Lock)	12"
Long Nose Pliers	6"
Diagonal Wire Cutter	6"
External Snap Ring Pliers	Straight
External Snap Ring Pliers	45 degree
Internal Snap Ring Pliers	Straight
Internal Snap Ring Pliers	45 degree

(Universal snap ring plier set may be substituted for individual snap ring pliers)

### Screwdrivers

Slotted	1/4" x 6"
Slotted	5/16" x 9"
Slotted	3/8" x 12"
Slotted	Stubby
Phillips #1	#1 x 3"
Phillips #2	#2 x 8"
Phillips #2	Stubby

## Hammers

Ball Peen Hammer 12 oz.  
2 LB Dead Blow Hammer

## Air Tools

Impact Gun ½” 400 foot lb.  
Blow Gun, OSHA Approved

## Electrical Tools

Digital Multi-meter (EEDM596DK Snap-on)  
Battery Terminal Cleaner  
Electrical Stripper/Crimper  
Test Light 12 volt  
Terminal Back Probes

## Punches and Chisels

Pin Punch	1/8”
Pin Punch	1/4”
Center Punch	3/8”
Chisel	1/2”
Chisel	1/4”
Starter Punch	3/8”
Brass Drift	

## Miscellaneous

Hacksaw	
Digital or Dial Caliper	6” Range
Gasket Scraper	
Pry Bar	heel type 16”
Pry Bar	flat type 20”
Angle Feeler Gauge	.001” - .030”
Feeler Gauge Go – No Go	.002” - .030”
Course File	10” Mill Bastard File
6” Fine File	6” Smooth Flat File
Telescope Magnet	4” – 19”
Flashlight	

**Ear Muffs**  
**Tape Measure** 12 ft  
**Steel Wire Brush**  
**Standard Hex Key Wrenches or Folding Wrench Set**  
**Metric Hex Key Wrenches or Folding Wrench Set**  
**3/8 “ Click Type Torque Wrench 75 FT/LB**  
**½” Click Type Torque Wrench 250 FT/LB**  
**Tire Gauge 250 psi**  
**Adjustable Filter Wrench (strap type)**  
**O-Ring Pick Set**  
**Safety Glasses (OSHA approved)**  
**Coveralls**  
**Work shoes / boots, leather required, steel toe recommended**

### **Tool Storage**

**One roll around bottom tool chest**

