



**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 (503) 614-7210.

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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DIESEL SERVICE TECHNOLOGY
REQUIRED TOOL SET**

SCHOOL'S REQUIREMENT:

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" |

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 1/4" |
| 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” |
| Adjustable Wrenches | 8” |
| Adjustable Wrenches | 12” |
| Tubing Wrenches | 3/8” – 3/4” |

Pliers

| | |
|---------------------------|-----------|
| Slip Joint Pliers | 6” |
| Adjustable Locking Pliers | 7” |
| Water Pump Pliers | 9” |
| 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 1/2” 400 foot lb.
Blow Gun, OSHA Approved

Electrical Tools

Digital Multi-meter (10 amp minimum)
Battery Terminal Cleaner
Electrical Stripper/Crimper
Test Light 12 volt

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 | |
| Steel Rule | 6" |
| Gasket Scraper | |
| Pry Bar | heel type 16" |
| Pry Bar | flat type 20" |
| Angle Feeler Gauge | .001" - .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 | |
| 1/2" click Type Torque Wrench 250 FT/LB | |
| Tire Gauge 150 psi | |
| Adjustable Filter Wrench (strap type) | |
| Safety Glasses (OSHA approved) | |
| O-Ring Pick Set | |

Tool Storage

One roll around bottom tool chest