

## Diesel Technology Program Tool List

Tools required first day of classes  
Estimated Cost: \$6,000-\$7,500

| Quantity | Description  | Tool Part No. | Price | Check-In |
|----------|--|---------------|-------|----------|
| 1        | Rollaway tool cabinet with locking drawers (6 drawer minimum, 5" wheels minimum, minimum size 28"W x 19"D x 42"H). |               |       |          |
| 1        | Top tool chest with locking drawers (minimum size 26"W x 15"D x 17"D).   |               |       |          |
|          | <b>1/4" Drive Set – To Include:</b>  |               |       |          |
| 1 set    | 6 point sockets (10 sockets) 3/16" through 9/16")  |               |       |          |
| 1        | Universal joint  |               |       |          |
| 1        | 2" extension   |               |       |          |
| 1        | 6" extension   |               |       |          |
| 1        | 5" Ratchet   |               |       |          |
|          | <b>3/8" Drive Set – To Include:</b>  |               |       |          |
| 1 set    | 12 point sockets (10 sockets) (5/16" through 7/8")   |               |       |          |
| 1        | Universal joint  |               |       |          |
| 1        | 2" to 3" extension   |               |       |          |
| 1        | 6" extension   |               |       |          |
| 1        | 12" extension  |               |       |          |
| 1        | 8" ratchet   |               |       |          |
| 1        | 15" to 17" speed handle  |               |       |          |
| 1        | 8" to 10" breaker bar  |               |       |          |
| 1 set    | 12 point deep sockets (9 sockets) (3/8" through 7/8")  |               |       |          |
| 1        | Spark plug socket (5/8")   |               |       |          |
| 1        | Spark plug socket (13/16")   |               |       |          |
|          | <b>1/2" Drive Set – To Include:</b>  |               |       |          |
| 1 set    | 12 point sockets (14 sockets) (7/16" through 1 1/4")   |               |       |          |
| 1        | 2" extension   |               |       |          |
| 1        | 4" to 6" extension   |               |       |          |
| 1        | 18" to 20" flex handle   |               |       |          |
| 1        | Universal joint  |               |       |          |
| 1        | Ratchet (reversible)   |               |       |          |
| 1 set    | 1/2" drive deep sockets (6 point) (7/16" through 1 1/4")   |               |       |          |
|          | <b>Combination Wrench Set</b>  |               |       |          |
| 1 set    | Long combination wrench set (16 wrenches) (1/4" through 1 1/4")<br>(12 point box end except the 1/4" – 6 point)    |               |       |          |
|          | <b>Screwdriver Set</b>   |               |       |          |
| 1 set    | Standard tip (1/4" x 2", 3/16" x 3", 1/4" x 4", 1/8" x 6", and 3/8" x 8")  |               |       |          |
| 1 set    | Phillips tip (#1, #2, and stubby #2)   |               |       |          |
| 1        | Heavy duty screwdriver (10" blade square shank)  |               |       |          |
|          | <b>Hammers</b>   |               |       |          |
| 1        | Ball peen hammer (48 oz.)  |               |       |          |
| 1        | Ball peen hammer (24 oz.)  |               |       |          |
| 1        | No bounce hammer (32 oz.)  |               |       |          |
|          | <b>Pliers</b>  |               |       |          |
| 1        | 6" combination pliers  |               |       |          |
| 1        | Diagonal cutting pliers (7" minimum)   |               |       |          |
| 1        | Long nose pliers with cutter   |               |       |          |
| 1        | Terminal crimp and wire cutter   |               |       |          |
| 1        | Vise grip pliers with curved jaws (10") (Vice grip brand)  |               |       |          |

|       |   |  |  |  |
|-------|---|--|--|--|
| 1     | Snap ring pliers (90 degree with dimples, 3/32 wide angle tip, 1/8 thick end (approximately 8 1/2 inches long)    |  |  |  |
| 1     | 12" Channel Lock  |  |  |  |
|       | <b>Chisel and Punch Sets</b>  |  |  |  |
| 1 set | Chisels (5/16", 3/8", and 1/2")   |  |  |  |
| 1     | Round nose cape chisel (5/16")  |  |  |  |
| 1 set | Starter punches (3/32", 1/8", and 5/32")  |  |  |  |
| 1 set | Pin punches (3/32", 1/8", and 5/32")  |  |  |  |
| 1     | Center punch (6")   |  |  |  |
| 1     | Brass drift punch (about 13/16" diameter X 12" long)  |  |  |  |
| 1     | Tapered drift punch (12")   |  |  |  |
| 1     | Punch – long stock 3/4" x 3/8" tip (15" long)   |  |  |  |
| 1     | Punch – short stock 5/8" x 5/16" tip (7" long)  |  |  |  |
| 1     | Punch – short stock 3/4" x 3/8" tip (7" long)   |  |  |  |
| 1     | Bushing Cutter  |  |  |  |
|       | <b>Pry Bars</b>   |  |  |  |
| 1     | Roll head – line-up pry bar (1/2" x 12")  |  |  |  |
| 1     | Roll head – line-up pry bar (5/8" by 16")   |  |  |  |
|       | <b>Battery Tools</b>  |  |  |  |
| 1     | Battery terminal and cable brush  |  |  |  |
|       | <b>Miscellaneous Tools</b>  |  |  |  |
| 1     | Pair of clear safety glasses  |  |  |  |
| 1     | Leather Welding gloves (SMAW) economy grade   |  |  |  |
| 1 set | Hex keys (13 piece with long handles) (3/32" through 5/8")  |  |  |  |
| 1     | Hand scratch wire brush   |  |  |  |
| 1     | Double pointed scriber (O-ring pick)  |  |  |  |
| 1     | Circuit tester (power-on)   |  |  |  |
| 1     | Lever blow-gun (rubber tipped with 1/4" female NPT)   |  |  |  |
| 3     | DCP7 fittings (Air)   |  |  |  |
| 1     | Long blade scraper  |  |  |  |
| 1     | Mill file (10")   |  |  |  |
| 1     | Rat tail file (10")   |  |  |  |
| 1     | Adjustable wrench (8")  |  |  |  |
| 1     | Adjustable wrench (12")   |  |  |  |
| 1     | Telescoping flex magnet (16")   |  |  |  |
| 1     | Spark plug gauge (.035" through .085")  |  |  |  |
| 1 set | Feeler gauges (.0015" through .025")  |  |  |  |
| 1     | Adjustable utility knife  |  |  |  |
| 1     | Adapter (1/2" female by 3/8" male)  |  |  |  |
| 1     | Adapter (3/8" female by 1/2" male)  |  |  |  |
| 1     | Vernier caliper dial type (5" to 6" by thousands)   |  |  |  |
| 1     | Soldering gun kit (450 watt)  |  |  |  |
| 1     | Test meter (Fluke 179 only)   |  |  |  |
| 1     | Micrometer (0" to 1")   |  |  |  |
| 1     | Pipe wrench (16")   |  |  |  |
| 1     | Tire PSI Gauge  |  |  |  |
| 1     | Tire air chuck  |  |  |  |
| 1 set | Metric combination long wrenches (10 mm - 19 mm)  |  |  |  |
| 1 set | Metric 3/8" drive sockets (8 mm - 19 mm)  |  |  |  |
| 1 set | Metric 3/8" drive deep sockets (8 mm - 19 mm)   |  |  |  |
| 1 set | Metric 1/2" drive 12 point sockets (10 mm - 21mm)   |  |  |  |
| 1     | Dial indicator set  |  |  |  |
| 1     | 13 watt or brighter fluorescent work light, oil and water resistant with at least a 25 ft. cord (3 terminal plug) |  |  |  |
| 1     | R-134a Gauge manifold set with 72" hoses with manual tap ends on the hoses  |  |  |  |

