



Applied Technologies Center  
Automotive Technology Department  
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## **REQUIRED TOOL LIST –**

### **Including a Locking Tool Box of the Student's Choice**

#### **1/4" SQUARE DRIVE**

Reversible ratchet  
Driver handle  
Universal swivel  
2" extension  
6" extension  
6-point sockets, both shallow and deep, metric 5.5 – 14 mm  
TORX socket drivers T8 – T25

#### **3/8" SQUARE DRIVE**

Reversible ratchet  
Universal swivel  
3" extension  
6" extension  
6-point sockets, both shallow and deep, metric 8 – 19 mm  
Spark plug sockets, deep 5/8" and 13/16"  
TORX socket drivers T27 – T55  
3/8" to 1/2" adapter

#### **1/2" SQUARE DRIVE**

Reversible ratchet  
Breaker bar  
1/2" to 3/8" adapter  
Universal impact swivel  
6-point sockets, both shallow and deep, metric 12 – 24mm  
6-point impact sockets, deep, 12 – 24 mm

#### **PLIERS**

Slip joint  
Needle nose  
10" vise-grip  
Diagonal cutters  
Wire crimper/strippers

## **WRENCHES**

Combination box/open end, metric 8 – 21 mm  
Hex key (Allen wrench) set, metric  
Flare nut wrench set, metric

## **SCREWDRIVERS**

Straight blade (Flathead) set  
Phillips head set  
Magnetic bit handle and bits  
TORX drive set

## **HAMMERS**

Ball peen, 24 oz.  
Dead blow, 24 – 36 oz.  
Plastic tip hammer

## **MISCELLANEOUS TOOLS**

Inspection mirror  
Oil filter wrenches – small and large  
Magnetic pick-up tool  
Hacksaw  
Dial type tire pressure gauge  
Tire tread depth gauge  
Tire valve service kit (valve core tool, etc)  
Tire air chuck  
Drum brakes service kit  
Pry bar set; 10”, 18” and 24” pry bars  
Digital multi-meter (must read DC Volts, Ohms and Amperage)  
1/2” drive air impact gun  
Pocket flashlight  
Air blow gun (OSHA regulated)  
Flat feeler gauge set (must read English and metric)  
Punch and chisel set  
Basic hand file set  
Gasket scraper  
Utility knife

## **SAFETY AND UNIFORM**

Safety glasses - Invest in a good pair which will not fog up! Colored lenses are not allowed.

Work uniform - pants and collared shirt such as Dickies or Carhartt.

A plain dark T-shirt may also be worn. If the student is currently employed at a facility which provides a work uniform then the student should wear their employer's uniform to lab. Keeping these items clean and properly maintained will be the student's responsibility.

Leather work boots - They do not need to be steel-toe, but do need an oil-resistant/slip-resistant tread pattern.