

## **AUTOMOTIVE TECHNOLOGY TOOL & EQUIPMENT LISTS**

### **SEMESTERS 1 through 4 REQUIREMENTS**

Digital Volt Ohm Meter - Snap-on EEDM504F required

Safety glasses – clear, with side shields

Work boots – leather, with steel toes

### **SEMESTER 2 through 4 REQUIREMENTS**

Work uniform from Uniforms Express

Tool storage box (rolling cabinet)

¼ inch drive six point deep socket set metric 4mm to 15mm

¼ drive ratchet, 2", 6" and 10" extensions, universal joint

⅜ inch drive six point deep socket set deep metric 8mm to 19mm

⅜ drive ratchet, long handle flex head (recommended)

⅜ drive extensions 1", 3" and 6"

⅜ drive swivel universal joint

⅜ drive spark plug sockets ⅝" and 13/16"

½ inch drive six point shallow socket set, impact, coverage 10mm to 36mm

½ inch drive six point deep swivel socket set, impact, coverage 8mm to 19mm

½ inch drive 6 inch extension, locking pin retention

½ inch drive breaker bar 18 inch recommended

½ inch drive extensions 5" and 11"

½ inch drive ratchet long handle flex head recommended

½ inch drive swivel universal joint

½ inch drive impact gun

Thin wall wheel socket set

Torque stick ½ inch drive, 45 ft lbs

Tamper resistant Torx socket set, including: T10, T15, T20, T25, T27, T30, T40, T50 & T55

Inverted Torx Socket set, including: E-4 to E-24

Socket adapters: ⅜" female to ¼" male, ¼" female to ⅜" male, ½" female to ⅜" male

Click-style torque wrench ½" drive 30 ft. lb. to 200 ft. lb. range

Click-style torque wrench ⅜" drive 5 ft. lb. to 75 ft. lb. range

Wrench Set (combination, metric), recommended minimum coverage 10mm to 19mm

Flare nut wrench set metric

Allen wrenches metric, L-shaped sets minimum, ¼" or ⅜" Allen drivers recommended

Oil filter wrenches, for small and large diameter oil filters

10 inch arc joint pliers

5 inch slip joint pliers

7 inch needle nose pliers

7 inch locking jaw pliers

7 to 8 inch high leverage diagonal cutting pliers

End cutting pliers

Wire strippers with cutter

Internal / external snap ring pliers set

Circlip pliers

Screwdriver set to include the following:

Flat blade: pocket,  $\frac{1}{8}$  x 4", 3/16 x 6",  $\frac{1}{4}$  x 6", 5/16 x 8"

Phillips: #1 x 4", #2 x 4", #2 x 9"

16 oz. ball peen hammer

16 oz. plastic tip dead blow hammer

32 oz. cross peen hammer, fiberglass handle recommended

Punch and chisel set (starter set)

Hacksaw with blades

File set

Flat angle tip pry bar set with plastic handles (not rolling head style)

Utility knife

Gasket scrapers, including plastic gasket scrapers

Mechanics mirror with extendable handle and flex head

Telescopic/magnetic pick up tool

Tape measure with metric measurement

Machinist 6 inch ruler

Feeler gauges

Tire tread depth gauge

Tire pressure gauge, inflation chuck, and valve core stem tool

Brake return spring tools

Brake hold down spring tools

Vent style blow gun

30 psi air regulator

Battery service kit (to include top terminal puller, post and side terminal cleaners,  
battery terminal spreaders, and battery pliers)

Low amperage LED-style circuit tester / logic probe

Automotive test light

Flashlight

Drop Light - rechargeable LED style recommended

Fender cover

## **SUGGESTED (NOT REQUIRED) TOOLS FOR SPECIALIZING IN ENGINE & TRANSMISSION REBUILDING**

Straight edge

Bore gauge

Vernier caliper

Dial indicator and frame

## **SUGGESTED (NOT REQUIRED) TOOLS FOR SPECIALIZING IN ENGINE PERFORMANCE**

Vacuum gauge

Compression gauge

Noid light set

Fuel pressure gauge

Spark tester