

Collision Repair Technology

Required Tool List

Tools can be purchased by semester or as a complete package.

Tools Required for FALL Semester

Students must have tools no later than October 1st

SAFETY

Safety glasses (OSHA approved)

Ear protectors (Ear muff type)

****Charcoal Filter Respirator with organic vapor cartridges – for automotive refinishing (3M 7178, 7179 or equivalent) (sizes range from small to large; be sure to order correct size)**

****3M (07003, 07002, or 07001) Half Facepiece Reusable Respirator with P100 Particulate Filter (pink filters) or equivalent (sizes range from small to large; be sure to order correct size)**

Mechanics gloves

Safety Shoes – Leather uppers/rubber soles (steel or composite toe recommended)

Pliers/Clamping Tools

Locking pliers set to include needle nose type (IRWIN IRHT82591 or equivalent)

Body panel clamp assortment – Vise Grip 9R, 6R, 11R, 18R or equivalent

6" needle nose pliers

7" diagonal cutters

7" combination/slip joint pliers

9" arc/adjustable joint pliers

16" arc/adjustable joint pliers

Aviation metal snips – left, right and straight

Hammers, Dollies and Spoons

16oz ball peen hammer

****Short blunt picking hammer**

****Long picking hammer**

****General purpose dolly – must be solid**

****Heel dolly – must be solid**

****Low crown (light dinging) spoon**

Files and Sanding Tools

Bastard file set to include 3/8" round, 8" flat mill, and 8" half round

****14" rough (8 teeth per inch) curved tooth body file for filing body panels (Keysco #77347)**

****Handle for above file with screws – wood or adjustable aluminum handle**

****Surform file (half round) – cheese grater**

****Soft sanding block – foam pad (Motor Guard SB-1 or equivalent)**

****Dura Block 7pc. Kit AF44L or equivalent**

****2 3/4"x5" rubber sanding block (3M preferred)**

****2 3/4" x 8" rubber sanding block (3M preferred)**

Screwdrivers

Screwdriver set to include but not limited to: Flat blade, stubby, 6", 9", 12", offset

Screwdriver set to include but not limited to: Phillips, stubby #1 & #2; 6" #1 & #2; 12" #3; offset #2

Misc Tools

Blow gun, non-restricted with 1/4" Lincoln style air fitting (Milton 791/792)

Rechargeable LED Shop/Utility Light (No longer than 24")

Wire brush (Shoe horn type)

Scraper/putty knife 1" – Steel Blade

Adjustable wrench 6"

Utility Knife

Tool Storage

Rollaway tool cabinet **not to exceed 36" in width (NO EXCEPTIONS) (Must be able to secure all tools required for program. Carts with too few drawers are not recommended.)**

Tools Required for SPRING Semester

Students must have tools for 1st day of Spring Classes

Punches/Chisels

Pry bar set (Lady Foot/line up bar type)

Punch/chisel set to include but not limited to: center, pin, starter, flat chisel

Tire Service Tools

Tire air inflation chuck with ¼" Lincoln style air fitting (Milton 791/792)

Tire air pressure gauge

Tire valve core remover

½" drive impact wrench with Lincoln style air fitting (Milton 791/792)

½" drive impact non-marring wheel lug nut sockets and short impact extension (19mm&21mm)

Electrical Tools

12 volt test light

Digital Multi-meter (volt-ohms-amps) Fluke DM115 or equivalent

7" electrical crimp/wire stripping/cutting pliers

Wrenches

Allen wrench set (SAE)

Allen wrench set (metric)

Combination wrench set (metric 8mm-19mm)

Ratchets/Sockets

½" drive socket set to include the following:

Ratchet

Extensions – 5" & 10" long

Universal joint

Breaker bar – 18"

Shallow metric sockets 10mm – 25mm

3/8" drive socket set to include the following:

Ratchet

Extensions – 3", 6", 12" and 18" long

Universal joint

Shallow metric sockets 8mm – 19mm

1/4" drive socket set to include the following:

Ratchet

Extensions – 3" & 6" long

Universal joint

Shallow metric sockets 6mm – 12mm

1/2" drive click type torque wrench (50-250 ft. lbs.)

Torx socket set for 1/4" and 3/8" drive (T8-T55)

Misc Tools

25 foot tape measure (**standard & metric**)

Fender cover

Telescoping inspection mirror

Hack saw handle with blades

Hood prop rod

High speed drill bit set (1/16" - 1/2"; Cobalt or Titanium 135 degree split point)

Magnetic pick-up tool

Door trim removal tool kit (to include u and v-notch tools)

Welding gloves (gauntlet style)

Gas welding goggles (#5 shade)

Optional Tools (Not Required)

1/2" drive impact socket set (deep and shallow, SAE and metric)

Combination wrench set (SAE 5/16" - 1")

1/2" drive shallow SAE sockets 3/8" – 1 1/8"

3/8" drive shallow SAE sockets 1/4" – 7/8"

¼" drive shallow SAE sockets

The college cannot accept deliveries of any tools or tool boxes. It is the student's responsibility to plan for transportation of tools to the college.

While the college does not endorse or recommend any one manufacturer, we do not recommend the use of box store tools.

****Note: If these items cannot be supplied as part of the manufacturer's tool package, they can be purchased separately through one of the local auto parts store at a discount. Contact Collision Repair Program Coordinator for details.**