



Automotive Collision Repair Technology Tool List

Beloit Campus

2019-2020

Following are the required tools for the **Automotive Collision Repair Technology** program. These tools can be purchased from the vendor of your choice. All tools are to be of the finest quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

Required Tools and Equipment

Quantity	Item
1 set	1/4 drive shallow and deep metric sockets (4-14 mm)
1 set	1/4 drive shallow and deep metric sockets (3/16-9/16)
1 set	1/4 drive ratchet, extensions and universal joint
1 set	1/2" drive shallow SAE chrome socket
1 set	1/2" drive extensions 3" and 10"
1 set	3/8 drive shallow and deep metric sockets (6 - 22mm)
1 set	3/8 drive shallow and deep standard sockets (3/8 - 7/8)
1 set	3/8 drive ratchet, extensions and universal joint
1	3/8 drive 8mm chrome deep and shallow socket
1 set	combination wrenches (standard) (1/4 - 1")
1 set	combination wrenches (metric) (10 – 24 mm)
1 set	Torx drivers (T-15 thru T-50)
1 set	slotted screwdrivers (12", 8", 4", 2")
1 set	Phillips screwdrivers (#2, #1, and stubby #2)
1	T Torox screwdriver Set
1 pr.	6" slip joint pliers
2 pr.	7" vise grips
2 pr.	U Jaw Vise Grips
1 set	chisels and punches
1	scratch awl
1	24-32 oz. ball peen hammer
1	Door skin hammer
1	GM door spring tool
1	standard pick/finish body hammer
1	general purpose dolly
1	rubber heel dolly
1	toe dolly
1	light slapping or dinging spoon
1	Vixon body file and handle
1	Pro snip-off set tin snips Aviation Type (Right, Left, and Straight)
1	tape measure 12' standard and metric
1	windshield wiper arm tool
1	trim panel removing tool

- 1 door handle removing tool
- 1 windshield molding release tool
- 1 headlight spring tool
- 1 Change upholstery tool to 10" and 20"
- 1 cotter-pin puller (pigs tail)
- 1 rubber tipped blow gun
- 1 fold out razor blade scraper
- 2 double density sanding blocks (hard/side-soft/side) (wet sanding)
- 2 soft sanding pads (wet sanding)
- 1 standard hard rubber sanding block
- 1 air-file long shoe (straight line) Hutchins only
- 1 6" dual action sander
- 1 5" High speed disc sander
- 1 angle die grinder
- 1 3" cutoff grinder/reversible w/shield
- 1 Remove air cutoff tool
- 1 3" roloc backing pad 3M #05540
- 1 electric tool engraver
- 5 Milton type "M" air fittings for air tools
- 1 pr. Welding Gloves
- 1 Spot weld cutter kit
- 1 pr. Clear safety glasses
- 1 pr. Ear protection (muff type)
- 1 24 or 36 inch Aluminum Ruler
- 2 Sets Allen Wrenches with Case ASE & Metric
- 1 Air Ratchet ¼
- 1 1/2" Drive Ratchet
- 1 Antenna Wrench
- 1 Tool Box
- 1 Box Drill Bits 1/16 - 1/2 w/ 1/2 shank
- 1 Welding Helmet Auto Darkening
- 1 1/2" Reversible Air Drill
- 1 3/8 Impact
- 1 Pull Knife-blade-Long Short (removing glass urethane blades)
- 1 Cut-off wheel tool
- 1 Fuel A,C,D set
- 1 Pry Bar 3 piece set
- 1 Molding Remove 3M tool 2 piece set
- 1 4 piece bur bit set
- 1 5 pc plastic door trim panel set
- 1 inspection light
- 1 12 in crescent adjustable wrench
- 1 Fine tooth ratchets 1/4-3/8 only
- 1 universal joints (must be impact) 1/4 & 3/8
- 1 5 pc extension set 1/4" & 3/8"
- 1 Retractable magnet
- 1 4 piece small pick set
- 1 GM Door cable removal tool

Estimated Cost: \$5200.00. Note: Students must have all tools to participate in shop activities.

Second Year Students

- 1 HVLP Paint gun (Gravity feed)
- 1 paint gun cleaning kit (suggestion Sharpe 8260)

Vendor Information:

Tool vendors will be available during Orientation and Tool Days on campus. Tools may be purchased from Snap-On or MAC Tools or the supplier of student choice. Please contact the Department Chair with questions or for further information.