



Automotive Collision Repair Technology Tool List
 Beloit
 Campus
 2023-2024

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

Qty	Item
1 Set	1/4 drive shallow and deep metric sockets (4-14 mm)
1 Set	1/4 drive shallow and deep standard sockets (3/16-9/16)
1	1/4 drive ratchet
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	3/8 drive ratchet
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	Torx 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	upholstery tool 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 Recamended)
1	6" dual action sander
1	5" High speed disc sander
1	angle die grinder
1	3" cutoff grinder/reversible w/shield
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 or Steel Ruler
2 Sets	Allen Wrenches with Case ASE & Metric
1	Air or Electric Ratchet ¼ drive
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 or Electric Drill
1	3/8 Impact (Air or Electric)
1	Pull Knife-blade-Long Short (removing glass urethane blades)
1	Fuel A,C,D set
1	Pry Bar 3 piece set
1	Molding Removal 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	universal joints 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
Second year students - OPTIONAL	
1	HVLP Paint gun (Gravity feed)
1	paint gun cleaning kit (suggestion Sharpe 8260)

Estimated Cost: \$4,000-4,500

Note: Estimated costs reflect current market value and are subject to change.

Vendor Information:

Please contact the Department Chair, Cole Meier; cmier@ncktc.edu or 785-738-9036, with questions or for further information.