

NCC Automotive Technology Tool list by type- Fall 2020

Safety glasses will be required the first day of lab. You can purchase them wherever you like.

NCC auto t-shirts, uniform. 30 for 3 shirts, See Program Coordinator

Wrenches

Metric combination wrench set, long handle,
12 point, none ratcheting (8 – 24mm)
Standard combo wrench set ¼ to 1 inch, long handle,
12 point, none ratcheting (5/16-1)
1/2" drive click type torque wrench 50-250ft -lbs
8" adjustable wrench
Standard flare nut wrench set (¼" –13/16")
Metric flare nut wrench set (9 –21mm)

Ratchets and Sockets

¼" drive ratchet and extensions 2", 4"
¼" drive metric socket set (shallow) (5.5, 6-14mm) 6 point
¼" drive metric socket set (deep) (5.5, 6-14mm) 6 point
¼" driver handle
¼" drive swivel adapter
3/8" drive ratchet and extensions (3", 6", 12")
3/8" drive metric socket set (shallow) 6 point (8-19mm)
3/8" drive metric socket set, (deep) 6 point (8 –19mm)
3/8" drive standard (chrome) socket set 6 point (shallow)
3/8" drive swivel adapter
Torx bit set for ¼" and 3/8" drive (10t to 55t)
3/8 drive metric hex key set 2-10mm
½" drive ratchet and extensions (5", 10" suggested)
½" to 3/8" adapter, **impact**
½" drive swivel adapter, **impact**
½" drive metric **impact** socket set, shallow, 6 point
12-24mm
½" drive metric **impact** socket set, deep, 6 point
12-24mm 6 point
½" drive breaker bar
½ Impact Gun

Screw Drivers set

Philips, common sizes
Blade, common sizes
Pry Bar, 24 inch

Hammers

Ball-peen hammer, 24 oz
Plastic hammer /soft face

Pliers

Needle-nose pliers
Diagonal pliers (wire cutters)
Combination pliers
Channel-lock pliers
16" adjustable joint pliers
Wire crimper/stripper pliers
Vise grip plier set (needle nose, small and large sizes)

Test equipment

Fluke 115 multimeter, **minimum**
Fluke 88 **with** automotive accessory kit, **suggested**
12 volt test light
Ignition spark tester (able to test coil over ignition systems)

Other

10" mill file with handle
10" round file, rough, 3/8
Wire brush, rough, 12- 15-inch handle
Fender cover
Feeler gauge set, angled standard/metric .0015-.030
Feeler gauge set, strait standard/metric .0015-.030
Spark plug gap tool/s
9/16 spark plug socket
5/8 spark plug socket
11/16 spark plug socket
13/16 spark plug socket
Tire valve core tool screwdriver handle type
Tire air inflation chuck combo, chuck and gauge
Blow gun (OSHA approved)
Gasket scraper
Oil filter wrench/s. must be able to remove various size oil filters
Magnetic pick-up tool
LED shop light, rechargeable, 200Lums min
Hearing protection, ear muff style
Leather welding gloves
Oxy/acetylene welding glasses
Hose removal pick
Drum brake shoe hold-down spring tool
Drum brake shoe return spring tool
Punch and Chicle set
Clipboard
Small roll cabinet–not to exceed 34" in length

Removed from required but would be great to have if you can afford them.

3/8" drive standard (chrome) socket set 6 point (deep)

1/2" drive metric, chrome, deep, socket set,
12-24mm, 6 point, **optional due to impact set**

1/2" drive metric, chrome, shallow, socket set,
12-24mm, 6 point, **optional due in impact set**

Rubber mallet soft face

Snap ring pliers

3/8" click type torque wrench 5-75 ft-lbs

Small 4 peice pick set