

In the aircraft maintenance program, you will start using your tools immediately.

You are required to purchase and bring your own tools. We recommend you purchase good quality tools. If you do not have tools, and plan on purchasing tools in North Bay, please contact one of the vendors listed below a few weeks prior to startup. Bumper to Bumper has the full kit available to preorder. The link is on the Canadore website under the aircraft maintenance program - "Order your tools here". Snap-On tools are available through their corporate rep at a discount. Contact information is listed at the end.

TOOLBOX

Carry-on toolbox, 3 or 4 drawer or "Pelican" style case	Suggested Dimensions: 26" wide x 12" deep x 16" high (No roll cabinets allowed, limited storage space available)
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RATCHET SET

1/4" drive fine tooth ratchet	
1/4" drive 12-point, shallow sockets:	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16
1/4" drive 12-point , deep sockets:	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16
1/4" drive, 6-point , shallow sockets:	3/8, 7/16, 1/2, 9/16
1/4" drive, 12-point flex sockets:	7/16" and 1/2"
1/4" drive extensions:	3", 6", 12" long
3/8" drive ratchet	
3/8" drive, 12-point, shallow sockets:	3/8", 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
Speed handle	1/4 or 3/8" drive
Screwdriver bit holder for speed handle	
3/8" drive extensions:	3" and 6" or similar length
Aviation spark plug socket	1/2" drive, 7/8" (must have extra deep inner bore)
Drive adapter	3/8" stepped up to 1/2"
Drive adapter	3/8" stepped down to 1/4"

PLIERS

Diagonal cutter (side cutter)	6"
Needle nose pliers	6" thin
Duck Bill pliers	8"
Soft jaw cannon plug plier (optional)	(example BluePoint PWC52A)
Safety Wire Twisters - 6" (optional)	

SCREWDRIVERS

Phillips screwdriver set #1 and #2 sizes.	4 total screwdrivers, different lengths
Common screwdrivers:	2-3 total screwdrivers, different sizes
Jewelers' screwdriver set	Phillips and common
Ratcheting screwdriver with interchangeable tips	Phillips and common

WRENCHES

Combination wrench set	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16, 3/4", 13/16", 7/8", 1
Allen key set	1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

HAMMERS

Hammer - ball peen	12 - 16 oz
Hammer - soft face or dead blow	24 oz

PUNCHES

Pin punch	3/32"
Pin punch	1/8"
Centre punch	
Tapered punch	
Brass drift	3/8"

MISCELLANEOUS (MANDATORY)

Small flashlight (bright white LED, explosion proof recommended)	
12" flexible steel ruler	Aircraft easy read - inches
6" decimal inch ruler	Example: Snap-on 601 ruler

10 power magnifying glass or loop	
Extendable, adjustable inspection mirror	
Telescoping or flexible magnet	
Valve core remover - pen style	
Multi spline screw extractor for #10 screws	Example, Snap-on REX104A
Cotter pin removal hook	
Permanent Marker fine tip	Recommend Staedtler Lumocolor waterproof
4 Piece Pick Set	Straight, hook, angled, 90 degree
Feeler gauges, blade type	.0015" - .032"
Feeler gauges, wire type	.012" - .032" (Must include .018")
Measuring tape	Approx 25 foot/10 meter

PERSONAL PROTECTIVE EQUIPMENT (PPE)

<i>Students will not be admitted to practical classes without PPE, NO EXCEPTIONS</i>	
Safety glasses - clear - CSA approved	Provided
Hearing protection	Look for highest Noise Reduction Rating NR30
Safety shoes	(CSA green patch)

TOOL VENDOR LISTING

Bumper to Bumper - H.E. Brown 705-472-0400 northbay@muskoka-auto.com
Snap-On 705-725-2378 https://www.snapon.com/Industrial-Education/Snapon-Program.htm