

GENERAL SHOP EQUIPMENT

NCC/Student N/S	Description	QNTY	Location	Comments
Both	Air Blow Guns - OSHA Standard	3	Toolboxes	Each student has one plus shop has 3
NCC	Air System - Air Compressor	1	Compressor Room	Rotary Screw - 2 pumps, 200 gallon tank with refrigerant drier
NCC	Air Hoses - with quick release couplings	Multiple	Shops	Located throughout the shop
NCC	Air Lines			
NCC	Regulator			
NCC	Water Extractors			
NCC	Air Transformer/Regulators			
NCC	Coolant Drain Pan	Multiple	Toolroom	
NCC	Corrosion Protection Application Equipment	2	Bodyshop	Rusfre, Wurth, 3M
NCC	Creepers	2	Bodyshop	
NCC	Exhaust Fans	1	Bodyshop	Overhead system
NCC	Grounded Extension Cords	4	Bodyshop	
NCC	Heat Lamp	2	Bodyshop	
Both	Hood Props	Multiple	Bodyshop	
NCC	Infrared Contact Thermometer	1	Bodyshop	
NCC	Jack Stands	Multiple	Bodyshop	
NCC	Oil Drain/Storage Pan	3	Toolroom	
NCC	Overhead Ventilation - for welding area	1	Welding Room	EuroVac System
NCC	Part Cart	4	Bodyshop	
	Powered Vehicle Mover (recommended) Pressure Washer (optional)			
NCC	Shammies	3	Bodyshop	
NCC	Service Jacks	3	Bodyshop and Toolroom	
NCC	Shop Brooms	6	Bodyshop	
NCC	Dust Pans	3	Bodyshop	
NCC	Floor Squeegee	6	Bodyshop	
NCC	Floor Mop and Bucket	1	Maintenance Closet Mens Room	
NCC	Sponges	2	Bodyshop	
NCC	Step Ladder	2	Bodyshop	
NCC	Storage Cabinets	7	Bodyshop	
NCC	Towels	Multiple	Bodyshop	
NCC	Trash Cans in accordance with local, state, and federal regulations	Multiple	Bodyshop	
NCC	Trouble/Work Lights – non-incandescent	2	Bodyshop	
NCC	Vacuum Cleaner	1	Bodyshop	
	Aluminum Dust Extraction System – Wet Mix Technology (Optional) Water Hose			

GENERAL SHOP EQUIPMENT

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	Work Benches – steel top with vice	1	Bodyshop	
NCC	Work Stands - portable	12	Bodyshop	
	Wheel Caster System (Wheel Dollies)			

SPECIAL SAFETY ITEMS

(All equipment must meet or exceed federal, state, and local regulations.)

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	Bloodborn Pathogen Kit	1	Bodyshop	
Both	*Ear Protection - for students, instructors, and visitors	Multiple	Bodyshop	
NCC	Eye Wash Basin	2	Bodyshop and General Shop	
NCC	Eye Wash Station, portable (saline)	1	Bodyshop	
NCC	Fire Extinguishers - by type as required	8	Throughout the shop	
NCC	First Aid Kit (per written first aid policy)	4	Bodyshop, General Shop, Engine Lab and Honda Room	
NCC	Flammable Material Storage Locker - meeting fire and building codes	5	Bodyshop and Toolroom	
NCC	Hazardous Spill Response Kit	1	Bodyshop Office	
NCC	Lineman Gloves (for use with hybrid vehicles) OSHA "Right to Know" Compliance Kit	1	General Shop Toolbox	
NCC	Protective Gloves and Clothing - for handling paint and related chemicals	Multiple	Bodyshop	
Both	Respiratory Protection Equipment – as required by OSHA Safety Cans - for solvents, rags, etc.	Multiple	Bodyshop	Students supply their own half masks and NCC has a supplied air respirator system with hoods
Both	*Safety Glasses, Clear and Tinted Face Shields, and Goggles - for students, instructors, and visitors	Multiple	Bodyshop	
Both	*Safety Shoes - as required	Multiple		Students are required to wear safety toes shoes - see tool list
	Safety Shower - as required			
NCC	Vacuum System - for air sanders - dust extraction vacuum – stand alone or central system(recommended)	2	Bodyshop	Mirka Dustless Sanding Sysytem to accommodate up to 4 users

* = Individual Student Items

HAND TOOLS

(Contained in individual sets or the tool crib in sufficient quantities to permit efficient instruction)

COMMON HAND TOOLS

NCC/Student N/S	Description	QNTY	Location	Comments
Both	Adjustable Wrenches - 6" and 12"	Multiple	Bodyshop	All NCC Tools are typically stored in the Toolroom Snap On cabinets
Both	Allen Wrench Set - Standard (.050" - 3/8")	Multiple		
Both	Allen Wrench Set - Metric (2mm - 7mm) Chisel Set	Multiple		
	Combination Wrenches:			
NCC	Standard (1/4" - 1") (optional)	2	Bodyshop	
Both	Metric (7mm - 19mm)	Multiple		
NCC	Crowfoot Wrench Set - Metric (optional)		Toolroom	
NCC	Crowfoot Wrench Set - Standard (optional)		Toolroom	
NCC	Drill Motors - 3/8" and 1/2" variable speed, reversible	2	Bodyshop	
	Flare Nut (tubing) Wrenches:			
NCC	Standard 3/8" - 3/4" (optional)		Toolroom	
NCC	Metric 10mm - 17mm		Toolroom	
Both	Flashlight and batteries Hack Saw and blades	Multiple		
	Hammers:			
Both	16 oz. Ball Peen			
NCC	Brass		Toolroom	
Both	Dead Blow Mallet			
Both	Plastic Tip			
NCC	Sledge			
NCC	Soft Faced			
Both	Rubber Mallet			
NCC	Ignition Wrench Set – Standard (optional) and Metric	1	Toolroom	
Both	Impact Wrenches - 3/8" and 1/2"	Multiple		
Both	Inspection Mirror	Multiple		
Both	Pickup Tool - magnetic and claw type	Multiple		
	Pliers:			
Both	Combination			
NCC	Hose Clamp			
Both	Locking Jaw			
Both	Needle Nose			
Both	Side Cutting			
Both	Slip Joint (Water Pump)			

HAND TOOLS

(Contained in individual sets or the tool crib in sufficient quantities to permit efficient instruction)

COMMON HAND TOOLS

Both	Snap Ring Plier Set - internal and external			
	Punch Set			
	Screwdriver - Blade Type:			
Both	Stubby			
Both	6", 9", 12"			
Both	Offset			
	Screwdrivers - Phillips:			
Both	Stubby #1, #2			
Both	6" #1, #2			
Both	12" #3			
Both	Offset #2			
NCC	Screwdrivers - Posidrive Set #1, #2, #3, #4			
	Torx® Set:			
Both	T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-50, T-55			
NCC	Torx® External Set: E-4, E-5, E-6, E-8, E-10, E-12, E-14, E16			
NCC	Torx® Tamper Proof Set: T8, T10, T15, T20, T27, T30, T40, T45, T50, T55			
	Screw Extractor Set			
NCC	Screw Starter: Phillips			
NCC	Standard			
	Socket Set - 1/4" Drive:			
NCC	1/4" - 1/2" Standard Depth (optional)			
NCC	1/4" - 1/2" Deep			
Both	6mm - 12mm Standard Depth (optional)			
NCC	6mm - 12mm Deep			
NCC	Flex/Universal Type - Metric (standard optional) Universal Joint			
Both	3", 6" Extensions			
Both	Ratchet			
	Socket Set - 3/8" Drive:			
NCC	5/16" - 3/4" Standard Depth (6 point) (optional)			
NCC	3/8" - 3/4" Deep (6 point) (optional)			
Both	9mm - 19mm Standard Depth (optional)			

HAND TOOLS

(Contained in individual sets or the tool crib in sufficient quantities to permit efficient instruction)

COMMON HAND TOOLS

NCC	9mm - 19mm Deep			
Both	3", 6", 12", 18" Extensions			
NCC	Flexhead Ratchet			
NCC	Impact Sockets - 3/8" - 3/4" Standard (optional)			
NCC	Impact Sockets - 10mm - 19mm			
NCC	Impact Driver			
Both	Ratchet			
Both	Universal Joint			
	Socket Set - 1/2" Drive:			
NCC	7/16" - 1 1/8" Standard Depth (optional)			
NCC	7/16" - 1 1/8" Deep (optional)			
Both	10mm - 25mm Standard Depth (optional)			
NCC	10mm - 25mm Deep			
Both	5", 10" Extensions			
Both	Flex Handle (Breaker Bar)			
NCC	Impact Sockets Standard 7/16" - 1 1/8" (optional)			
NCC	Impact Sockets 12mm - 32mm			
NCC	Impact Driver			
Both	Ratchet			
	Torque Wrenches (Sound/Click)Type:			
NCC	3/8" Drive in. lb. (30 - 250)			
NCC	3/8" Drive ft. lb. (5 - 75)			
Both	1/2" Drive ft. lb. (50 - 250)			

MISCELLANEOUS TOOLS

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	C-clamps - assorted	1	Bodyshop	
NCC	Drill with applicable bits for spot weld removal (carbide)	2	Bodyshop	
Both	Files - for steel and aluminum	Multiple		
NCC	Gear Puller Set - heavy duty with attachments	2	Toolroom	
NCC	Heat Gun	1	Bodyshop	
NCC	Hole Saw Set - 1/2" to 2"	1	Toolroom	
NCC	Lug Wrench	Multiple		
NCC	Oil Can (Pump Type)	1	Toolroom	
NCC	Panel Splitter (hand held blades/accessories)			
Both	Pry Bar Set	Multiple		
Both	Putty Knife	Multiple		
NCC	Rivet Guns - heavy duty blind and large for 3/16" and 1/4"	2	Bodyshop	
Both	Sanding Tools - assorted	Multiple		
Both	Scrapers	Multiple		
Both	Scratch Awl	Multiple		
NCC	Tap and Die Sets - Metric (standard optional)	1	Bodyshop	
Both	Tape Measure – Standard and Metric	Multiple		
Both	Tin Snips	Multiple		
Both	Tire Pressure Gauge	Multiple		
Both	Tire Inflator	Multiple		
	Twist Drill Sets:			
Both	Standard - 1/64" - 1/4" by 1/16" and Metric Equivalent	Multiple		
Both	Standard - 1/4" - 1/2" by 1/16" and Metric Equivalent	Multiple		
Both	Wire Brushes - hand and powered	Multiple		NCC provides powered units; students hand held
	Special Removing and Releasing Tools:			
NCC	Door handle removing tool			
NCC	Door hinge spring and pin remover			
Both	Miscellaneous interior and exterior trim removing tools			
Both	Moulding removal tools			
NCC	Spring lock line removal tool set (A/C, fuel line, etc.)			
NCC	Stationary glass removal tools			
NCC	Windshield wiper removing tool			

BODY WORKING TOOLS

NCC/Student N/S	Description	QNTY	Location	Comments
	Assorted files - for metal and plastic finishing, including: Body Files			
Both	Hand Sanding Pads			
Both	Metal Files			
NCC	Mixing Board			
Both	Sanding Blocks (short and long) Sanding Boards (short and long)			
	Body Hammers:			
NCC	Cross Chisel	2		
Both	Door Skin Hammer General Purpose Pick Large Face Finishing Long Pick	Multiple		NCC has all; students required to have general pick and long pick
Both	Short Utility Pick	Multiple		
NCC	Shrinking	Multiple		
	Dollies:			
Both	Bumping File Dinging Spoon Door skin Dolly Fender Dolly	Multiple		NCC has all; students required to have dinging spoon
NCC	Inside Heavy Duty Spoon			
NCC	Inside High Crown			
NCC	Inside Medium Crown			
NCC	Spoon Dolly (“Dolly on a stick”)			
NCC	Toe Dolly			
Both	Universal Dolly			
NCC	Filler Spreaders and Applicators - assorted types and sizes			
Both	Picks - assorted			

ALUMINUM REPAIR TOOLS (RECOMMENDED)

	Abrasives			
	Belt Piercing Rivet Guns Dedicated (Clean) Repair Station Dent Pulling Equipment			
	Dollies			
NCC	GMAW Welder Synergic Pulse	1		As of 10/21/20 in process of ordering
	Hammers			
	Wet Mix Technology Dust Extraction System			

STRUCTURAL ANALYSIS AND DAMAGE REPAIR

NCC/Student N/S	Description	QNTY	Location	Comments
	Frame/Unibody Straightening Equipment -			
NCC	Bench/rack or floor-mounted system with multiple pull capacity	1	Bodyshop	
NCC	Body over frame and unibody anchoring systems			
NCC	Three-dimensional Measuring System with the capability to measure the total vehicle.			1 UMS and 1 Laser Computerized measuring system
NCC	Tram Gauges	2	Bodyshop	1 mechanical and 1 digital

NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR (BODY COMPONENTS)

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	Abrasive Cut-off Tool and Discs	3	Bodyshop	
	Anchoring System (recommended)			
NCC	Heat Shrinking Tool			Unispotter and torches
NCC	Car Lift (capable of totally lifting the vehicle) (recommended)	21	General shop and Bodyshop	2 Low rise lifts in bodyshop
NCC	GMAW Welders and accessories (flow meter, cart, gas cylinder, nozzle cleaner)	10	Welding Room	Range from 125a to 230a
NCC	Plasma Cutting Torch (recommended)	1	Welding Room	
NCC	Portable Hydraulic Ram - with attachments	2	Bodyshop	4 ton and 10 ton
	Plastic and Adhesives Tools-			
NCC	Plastic Welder	2	Bodyshop	Polyvance mini airless welder and polyvance nitrogen welder
NCC	Die Grinding Tool Set	1	Bodyshop	
NCC	Disc Grinder - 3"	2	Bodyshop	
NCC	Structural Adhesives Guns (dispenser) - two-component	Multiple		
	Portable Power Tools -			
NCC	Abrasive Blaster and appropriate personal safety equipment (recommended)		Bodyshop	
NCC	Eraser Wheel	1		
NCC	Grinders	Multiple		
NCC	Heat Monitoring Crayons			
NCC	Hole Punch	2		1 hand and 1 air operated
NCC	Metal Shears (optional)	2		
NCC	Mini Belt Sander for removal of plug welds	1		
NCC	Nibbler (optional)	1		
NCC	Power Reciprocating Saw and Blades	1		
NCC	Sanders	Multiple		
NCC	Spot Weld Removal Tool	2		Dent fix spot weld drill and Blair cutters
NCC	Pulling and Holding Equipment Set - to include:			
NCC	Body Clamps (recommended)			
NCC	Cable or Chain Ratchet (recommended) Carbide Bits			
	Panel Splitter			
NCC	Safety Chains/Cables			
NCC	Sill Clamps (recommended)			
NCC	Slide Hammer - complete with attachments			
	Stationary Power Tools -			
NCC	Bench Grinder	Multiple		
NCC	Drill Press (recommended)	1		
	Welding Safety Equipment - to include:			
NCC	Aprons	Multiple		
NCC	Face Shields Gloves Goggles Helmets Jackets Respirators Safety Glasses	Multiple		
NCC	Skull Cap	Multiple		
NCC	Welding Blanket	Multiple		
NCC	Welding Plyers			
Both	And all appropriate safety equipment			
NCC	Squeeze-type Resistant Spot Welder (STRSW) (recommended)	1		Prospot i4
NCC	Weld-on Pulling Tool and Attachments	3		Eagle and Unispotter

MECHANICAL AND ELECTRICAL COMPONENTS

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	A/C Recycle/Recovery Machine Battery Charger - with boost capability Battery Post Cleaner	Mutiple	Toolroom and Room 16	
NCC	Battery Terminal Pliers		Toolroom and Room 16	
NCC	Battery Terminal Puller		Toolroom and Room 16	
NCC	Brake Bleeder - vacuum assisted		Toolroom	
NCC	Brake Spoon Chassis Lubricator Connector Pick Tool Set		Toolroom	
NCC	Coolant Tester		Toolroom	
NCC	Cooling System Pressure Tester DMM (Digital Multimeter)		Toolroom	
	Feeler Gauge (Blade Type):			
NCC	.002" - .040"			
NCC	.006mm - .070mm			
NCC	Flexible Dial Indicator Gauge			
NCC	Jumper Wire Set (with various adapters)			
NCC	Laptop with applicable Diagnostic Software and Tools			
Both	Oil Filter Wrenches			
NCC	Plugs and Caps for hydraulic, fluid, and A/C lines			
NCC	Portable Battery Jump Box	4		
NCC	Pressure Bleeder/Scan Box for bleeding antilock braking system			
NCC	Scan Tool with OBDII capabilities			
NCC	Soldering Gun/Iron			
NCC	Vac and Fill equipment to extract fluids (oil, transmission, etc.) Wheel Alignment System (4-wheel) (optional)			
NCC	Wire and Terminal Repair Kit			

PAINTING AND REFINISHING

NCC/Student N/S	Description	QNTY	Location	Comments
NCC	Air Amplifier/Venturi style blower used to dry waterborne paint (optional)	2	Bodyshop	2 handheld units with a portable stand
	Air Cap Test Gauge (optional)			
NCC	Power Sanders	Multiple		
NCC	Color-matching Light System	1		
NCC	Electronic Dry Film Thickness Gauge with a + or - of 1/10th of a mil thickness capabilities	1		
NCC	Enclosed Paint Spray Booth to comply with local, state and federal regulation (downdraft booth recommended)	1		Currently a Blowtherm but, in process of purchasing Garmat 300 series booth.
	Gun Washer for Waterbase (Optional)			
	Hand Sanding Pads			
NCC	Masking Equipment - Car Covers	Multiple		
NCC	Paper and Tape Dispenser	2		
NCC	Wheel Covers	Multiple		
NCC	Paint Mixing Bank with Measuring Equipment	1		R-M Limco sytem
NCC	Paint Mixing Room (separate explosion-proof room per NFPA regulations)	1		Currently Blowtherm; in process of replacing with Garmat
NCC	Paint Shaker	1		
NCC	Paint Storage Room/Locker in accordance with local, state, and federal regulations	2		
Both	Personal Safety Equipment (painting gloves, suits, hoods, respirators, etc.)	Multiple		Students supply own half masks; NCC supplies everything else.
NCC	Portable Paint Curing Equipment (infrared)	1		
NCC	Positive Pressure Air Respirator	1		SAS System with capability for 2 users
NCC	Prep Station - (recommended) in accordance with local, state, and federal regulations	1		Garmat
Both	Sanding Blocks (short and long)	Multiple		
	Spray Guns -			
NCC	HVLP (high volume low pressure) or compliant	Multiple		
NCC	Spray gun cleaning equipment in accordance with local, state, and federal regulations			
	UV Curing Light (optional)			
NCC	Variable Speed Buffer/Polisher	5		
NCC	Viscosity Cups			
NCC	Waste disposal/recycle program in accordance with local, state, and federal regulation			Handled thru NCC Maintenance Dept.
NCC	Waterborne Spray Gun Equipment (Optional)	1		Satajet