

HONOLULU COMMUNITY COLLEGE

AMT REQUIRED BASIC INDIVIDUAL HAND TOOLS 2016

<u>Description</u>	<u>Size</u>	<u>Quantity</u>
Feeler Gauge	.0015"-.035", .038mm-.89mm	1set
Center Punch	5" Long	1
Pin Punch	4 1/4" Long, 3/32" Tip	1
Pin Punch	5 1/4" Long, 1/8" Tip	1
Starter Punch	5 1/4" Long, 1/8" Tip	1
Taper Punch	12" Long, 5/16" Tip	1
Chisel	3/4"x7 1/4"	1
Vise Grip pliers	Std.	1
Diagonal Pliers	Std.	1
Long Nose Pliers	Std	1
Water Pump Pliers (channel)	12"	1
Gripping Pliers	6	1
Battery Terminal Pliers	Offset jaws, 7 3/4"	1
Adjustable Wrench	8"	1
Fract. Comb. Wrench Set	5/16" - 7/8", 12 Pt.	1 set
Metric comb. Wrench Set	8mm-19mm, 12 Pt.	1set
Ball Peen Hammer	24 oz.	1
Ratchet	3/8" Drive	1
Universal Joint	3/8" Drive	1
Extension Bar	3", 6", & 12" long, 3/8" Drive	1ea
Fractional Socket Set	1/4" 7/8", 3/8" Drive 6 pt.	1set
Metric Socket Set	10mm - 19mm, 3/8" Drive 6 Pt.	1set
Metric Socket Set	10mm - 19mm, 3/8" Drive 6 Pt., Deep	1set
Speed Handle	3/8" Drive	1
Ratchet	1/2" Drive	1
Breaker Bar	18" 1/2' Drive	1
Extension Bar	3"Long, 1/2" Drive	1
Flat blade Screwdriver	Stubby, Std., 8" & 12'	1ea
Phillip Screwdriver	#1 Tip, Std.	1
Phillip Screwdriver	#2 Tip, Stubby and Std.	1
Gasket Scraper	Std.	1
Safety Glasses	OSHA, ANS, Specifications	1
Safety goggles	Splash proof	1
Air Blow Gun	Rubber	1
Fractional Hex Bit	3/8" Drive Socket Type	1set
Metric Hex Bit	3/8" Drive Socket Type	1set
Pry bar	24"	1
Steel Ruler	6" w/Decimal Equivalent	1
Pocket magnet	6" long	1
Flashlight	2 Cell	1
Toolbox	1	1
Padlock	1	1

SPECIFIC TOOLS FOR EACH COURSE

AMT 155 SUSPENSION AND STEERING (1st Semester)

<i>Fractional Impact Sockets</i>	<i>1/2" Drive 9/16" - 11/16", 6 Pt.</i>	<i>1 set</i>
<i>Metric Impact Sockets</i>	<i>1/2" Drive 14mm - 19mm, 21mm 6 pt</i>	<i>1 set</i>
<i>Torx Sockets</i>	<i>3/8" Drive Ti 5 -T55</i>	<i>1 set</i>
<i>3/8" to 1/2" Adapter</i>	<i>Impact Type</i>	<i>1</i>
<i>1/2" to 3/8" Adapter</i>	<i>Impact Type</i>	<i>1</i>
<i>Tape Rule</i>	<i>12 feet</i>	<i>1</i>
<i>Tire Pressure Gauge</i>	<i>Std.</i>	<i>1</i>
<i>Oval bearing race punch</i>	<i>1/2" tip-10" long</i>	<i>1</i>
<i>Bronze punch</i>	<i>3/4" tip-10" long</i>	<i>1</i>

AMT1 153 BRAKES (1st Semester)

<i>Brake Spring Pliers</i>	<i>Standard</i>	<i>1</i>
<i>Brake Shoe Adjusting Tools</i>	<i>Various</i>	<i>1 set</i>
<i>Dust Cap Remover</i>	<i>Std</i>	<i>1</i>
<i>Hold Down Spring Tools</i>	<i>Large and Small</i>	<i>1 set</i>
<i>Master Cylinder Bleed Kit</i>	<i>Universal</i>	<i>1</i>
<i>Asbestos Dust Mask</i>	<i>To Fit</i>	<i>1</i>
<i>Metric Flare Nut Wrench</i>	<i>6mm-21mm</i>	<i>1 set</i>
<i>Fractional Flare Nut Wrench</i>	<i>1/4-13/16</i>	<i>1 set</i>

Amt 130 engines 2rd semester

<i>Vacuum and fuel line plugs</i>	<i>various</i>	<i>1 set</i>
<i>Spark plug gauge</i>	<i>.035 to .080</i>	<i>1 set</i>
<i>Spark plug socket</i>	<i>5/8 and 13/16</i>	<i>1 ea</i>
<i>Spark tester</i>	<i>std and high output</i>	<i>1 ea</i>
<i>Remote starter</i>	<i>std</i>	<i>1</i>

Amt 140 electrical systems 2rd semester

<i>digital multimeter</i>	<i>10 mega ohms</i>	<i>1</i>
<i>circuit tester</i>	<i>12 volt</i>	<i>1</i>
<i>test leads</i>	<i>various colors/lengths</i>	<i>1 set</i>
<i>wire crimping tool</i>	<i>w/cutter</i>	<i>1</i>
<i>portable soldering iron</i>	<i>butane</i>	<i>1</i>
<i>solder</i>	<i>rosin core</i>	<i>1</i>
<i>battery terminal cleaner</i>	<i>wire type</i>	<i>1</i>
<i>side terminal cleaner</i>	<i>wire type</i>	<i>1</i>
<i>battery terminal wrench</i>	<i>box ratchet type</i>	<i>1</i>
<i>1/4 drive socket set</i>	<i>w/ ratchet, extensions, universal</i>	<i>1 set</i>

Amt 145 and 150 manual and auto trans 3rd semester

<i>Bronze punch</i>	<i>tapered</i>	<i>1ea</i>
<i>Plastic mallet</i>	<i>std</i>	<i>1</i>
<i>Scribe/pick</i>	<i>std, 45 and 90</i>	<i>1</i>
<i>Transmission service set</i>	<i>external snap ring pliers, 1/16 90deg tip</i>	
	<i>external snap ring pliers, 3/16 tip</i>	
	<i>convertible snap ring pliers .038 tip</i>	
	<i>convertible snap ring pliers .070 tip</i>	
	<i>piston lip seal installer, wire and blade type</i>	

Amt 142 electrical 2 4th semester revised 2/24/15

<i>Screwdriver set</i>	<i>ratcheting magnetic, Philips,</i>	
	<i>torx, blade</i>	<i>1 set</i>
<i>Noid light set</i>	<i>STD</i>	<i>1 set</i>
<i>Door panel removal set</i>	<i>various</i>	<i>1 set</i>
<i>Colored pens or highlighters</i>	<i>various</i>	<i>1 set</i>
<i>Back probes</i>	<i>various</i>	<i>4</i>
<i>Hei spark tester</i>	<i>st125</i>	<i>1</i>
<i>Std spark tester</i>	<i>st160</i>	<i>1</i>
<i>Power probe</i>	<i>includes voltmeter</i>	<i>1set</i>
<i>Windows based laptop</i>		<i>1</i>

Amt 143 air conditioning 4th semester revised 2/24/15

<i>Digital thermometer</i>	<i>1 5/8</i>	<i>1</i>
<i>Spring lock coupler set</i>	<i>STD</i>	<i>1</i>
<i>Safety goggles</i>	<i>splash proof</i>	<i>1</i>
<i>Mityvac vacuum tester</i>	<i>hand pump with gauge</i>	<i>1</i>
<i>U v light</i>		
<i>Jumper wires</i>		<i>4</i>
<i>Ac service fitting removal tool</i>		<i>1set</i>

Amt 167 engine performance 5th semester

<i>Vacuum gauge</i>	<i>STD</i>	<i>1</i>
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