

RV Tech Course Student Tool List

Items 1 -4 will be the tools necessary for you to perform the basic testing of today's RV. We recommend having these for class so that you will learn how to utilize them.

1. Digital Volt Ohm Meter with Amp Clamp Function

Students have had great success with the following brands and models. There are others available but just be aware you need to following features to maximize your learning process.

Your meter must read:

- **AC and DC volts** to measure the wall outlet voltage and battery voltage
- **AC amperage** (DC amperage if available is a nice upgrade option)
- **Ohms (Ω)** for checking resistance and continuity
- **uF or MFD** for checking air conditioner capacitors
- **Frequency** for checking the generator output

Examples of the meter you need in class



[Southwire Digital Clamp Meter – Model #21030T](#)

Amazon



[Craftsman AC/DC Amp Clamp Meter](#)

Model #82369

Amazon

2. **Dial Type Manometer/Gas Pressure Tester – Reads 0 – 35 inches of water column.** **It is recommended you NOT purchase the digital type of manometer as they DO NOT come with the necessary tubing and fittings.*

Example of Manometers that work well with RVs.



[Yellow Jacket- #78060 Gas Pressure \(manometer\) Test Kit 0-35 "WC](#)
Amazon



[Robinair #42160 Gas Manifold Pressure \(manometer\) Test Kit 0-35" WC](#)
Amazon

3. **Polarity Tester – w GFCI test button** – Unit plugs into wall receptacle and has 2 amber and 1 red test light to test wiring. There are multiple brands of this type of tester.



[This unit is a Klein RT200 with GFCI test button.](#)
Amazon and various home improvement centers

4. **Screw Driver w/ multiple tips and barrels** **there are several types and brands that will do the job.*



[This screw driver is called a 6 way \(flat blade and Phillips tips\) and can be found at most hardware or home improvement stores](#)

5. The remaining tools are ones that a typical RV Campground Maintenance Technician, a Level # 2 RV Inspector or a Dealer Technician would need to have in their toolbox.

- a. Voltage Monitor Meter – digital type



[TRC AECM 20020, 3-012 Digital Monitor.](#)
[This unit will plug into a wall receptacle and measure line voltage and frequency.](#)

- b. Needle Nose Pliers – 6 to 10 inches long
c. Diagonal Wire Cutters – 5 to 10 inches long
d. Flashlight
e. Wire Strippers /Crimping Tool for wire connections
f. Adjustable Wrench (also known as Crescent wrench)
g. Adjustable Pliers (also known as water pump pliers)
h. Allen Wrench Sets – Standard and Metric
i. Assorted Screw Drivers – Phillips and Flat Blade
j. Nut Drivers – Assorted size (suggest at least ¼ inch, 5/16 inch 3/8 inch)
k. Food Grade Thermometer (dial or digital type) to measure air conditioner air temperature
l. Black Electrical Tape (to be used on electrical connections)
m. Aluminum Foil Tape (to seal air conditioning leaks)
n. Teflon Tape White and Yellow (white is for water plumbing and Yellow for LP gas connections)
o. Hose Bib Washers for fresh water hook ups
p. Cordless Drill/Screw Gun (12, 14 or 18 volt)
q. Assortment of screw gun bits (square, phillips or torx tips) typically sold in a assorted case of tips

- r. Assortment of Automotive Type of fuses – assorted ratings – 5 amp, 10 amp, 15 amp, 20 amp and 25 amp
- s. Assortment of Electrical Connections (wire nuts, terminal lugs, rings and butt splice connectors)
- t. Assortment of Tie Wrap or Zip Ties
- u. Can of Silicone Spray Lubricate
- v. Old Credit Card or Hotel Key Card
- w. Caulking Gun for applying silicone and butyl type caulk
- x. Tool Box or Tool Bag
- y. Misc. as you progress you will add to your tool collection