

METROPOLITAN NY CHAPTER Refrigeration Service Engineers Society

Continuing Education for the HVAC/R Industry

“Better Service Through Knowledge”

February 2019

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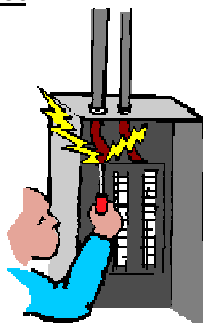
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Safety Tips—You Can Never Be Too Safe

Loose Fitting Clothing and Jewelry

Loose fitting clothing and jewelry should ***not*** be worn when working around HVAC and refrigeration equipment. Rotating components, such as fans used on many systems can become entangled with loose fitting clothing and cause severe harm to a technician. Technicians should also avoid wearing rings and watches while working around RHVAC systems. They can come in contact with electrical circuits and cause a severe electrical injury.



Chemical Cleaning Condensers

It is important for service and maintenance technicians to wear the appropriate protective gear while chemical cleaning condenser coils. The chemicals used can cause serious harm to a technician. **These products may cause severe burns to eyes, skin, and mucous membranes.** The appropriate rubber gloves and eye gear should be worn at all times. It is quite easy for coil cleaner to splash on a technician while applying and rinsing it from a condenser coil.

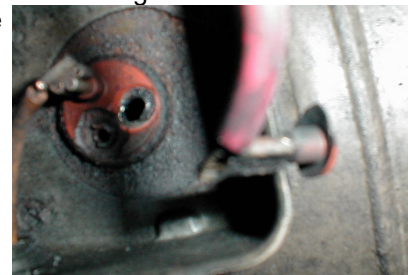


Also be aware of ***the direction of the wind*** when applying coil cleaner. Do not spray in such a manner that will cause the coil cleaner to harm yourself or damage the surrounding property.

It is also important to be cautious of the water run-off when rinsing a condenser coil. Take the appropriate actions to prevent the run-off from damaging any plant life or property of the building owner. It is always a good practice to thoroughly rinse both the condenser coil and the surrounding area to make sure no coil cleaner is left behind to cause any future damage.

Compressor Terminals

Care should be taken when examining the terminals of a compressor. It is possible for a weakened terminal to blow out and cause injury to a service technician. If the terminals are weakened due to some system problem, the refrigerant pressure within the compressor can cause one or more of the terminals to blow out.



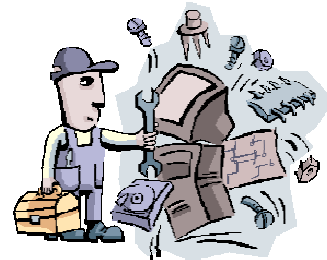
Most manufacturers recommend that the refrigerant charge be removed from a system before the terminal cover is removed for inspection of the compressor terminals. This will prevent the possibility of an injury should the terminals blow-out as the technician is troubleshooting the system.

If this is not done, as is recommended, the technician should stand off to the side while removing the terminal cover and while inspecting the terminals, then immediately reinstall the terminal cover when done with the inspection.

Tool Safety

The tools used by a technician can cause serious injury if mishandled or abused. Following these simple rules can help avoid injury:

- Always strive to keep tools clean and in good condition. Do not use a tool that is damaged or in need of repair.
- Always use the right tools for the job. Use a tool for the purpose it was designed. A screwdriver is a screwdriver, not a chisel, and should not be used for anything else.
- Be cautious of tools with sharp edges. Avoid placing tools with sharp edges in your pocket.
- Push—rather than pull—on a sharp tool.
- When using a striking tool, keep your face away from the striking edge of the tool.
- Always wear goggles when using tools that could cause debris to fly off the material worked on or from the tool itself.



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**In the unlikely event of scheduled meeting cancellations,
announcement will be posted on our web site**

Wednesday February 13th, 2019

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PRESIDENT'S MESSAGE

Win a \$25.00 gift card for Dick's Sporting Goods Store. We have been trying to come up with educational topics for our meetings. The only suggestions we received were from Board members. So now we will put our money where our mouth is. Just submit a meeting topic suggestion to Stan Hollander CMS or Rich Bruno thru our website www.metronyrses.org. You can find links to their email under CONTACTS. The best three entries will receive a \$25.00 Dick's Sporting Goods gift card. The decision will be made by your Board of Directors and their decision is final. Board members are not eligible. Entries must be received by March 26, 2019. You do not have to be an RSES member to win. So if you have a suggestion, submit it now. If two entries have the same suggested topic, the earliest submittal wins. Any *Trade Related* topic of interest to technicians will be considered.