

How to maintain Room ACs

A 10-step guide for consumers

Timely maintenance of your AC is essential for its well-functioning!
You can use the following schedule to time your AC servicing every year:



Start of the
summer season



Mid-season



End of the
summer season

10

Simple steps



technicians need to follow while
servicing your AC.

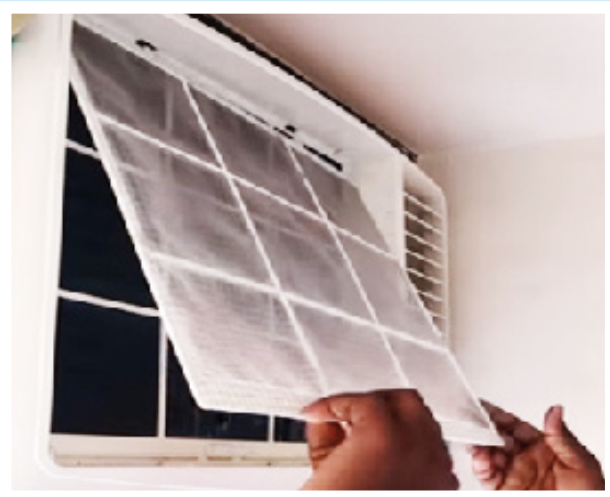
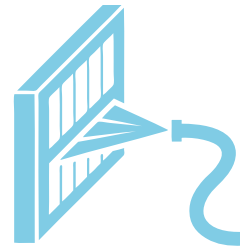
Step#1

Measure current, voltage, and earthing
at the start of every service.



Step#2

Clean the AC filter with a vacuum cleaner or wash it with water and let it dry.

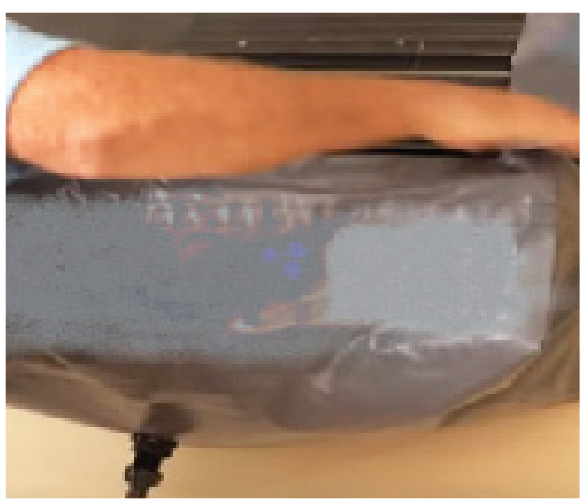


Step#3

Clean the condenser coils using a metal brush and a suction pump.



In addition to the above, at least once a year, a proper cleaning agent should be used to clean the condenser coil.



Step#4

For the outdoor unit of your AC, clean fan blades and check for any damage. For very old ACs, lubricate the fan motors/ bearings.



Step#5

After cleaning and drying the outdoor unit, examine suction pipe insulation and replace, if needed.

The suction line of a typical split AC is labelled in the image below.

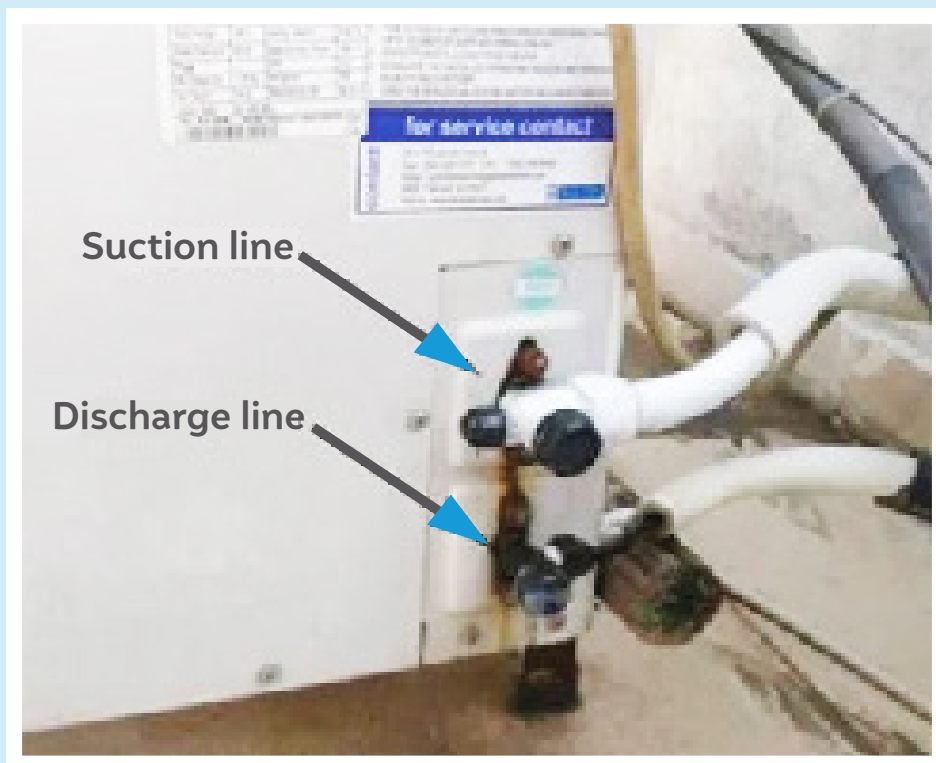
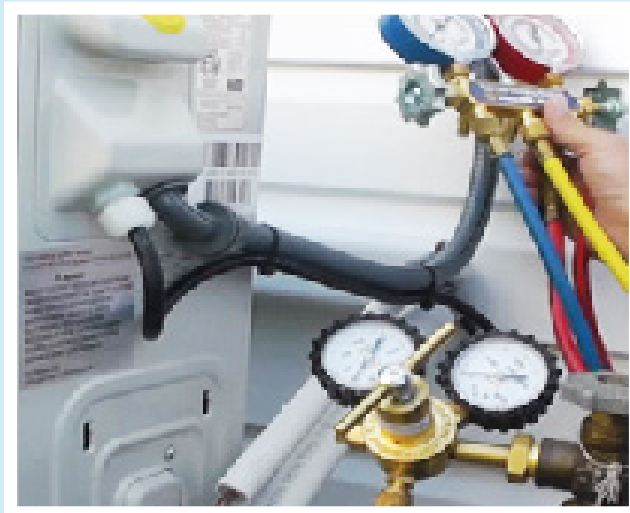


Image source: (Karhana 2017)

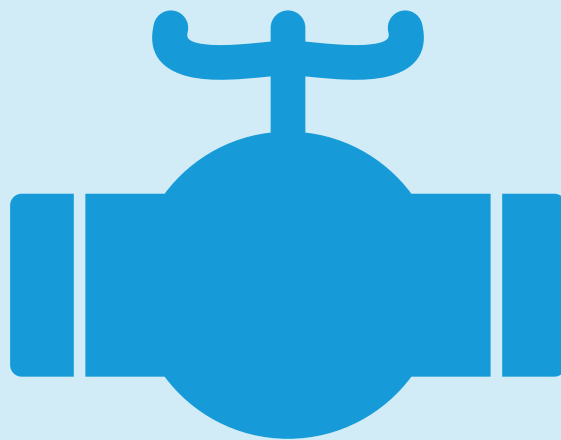
Step#6

Inspect refrigerant gas, lubricant, and oil levels.
Do a leak test to check for refrigerant gas leakage points using a soap bubble test.



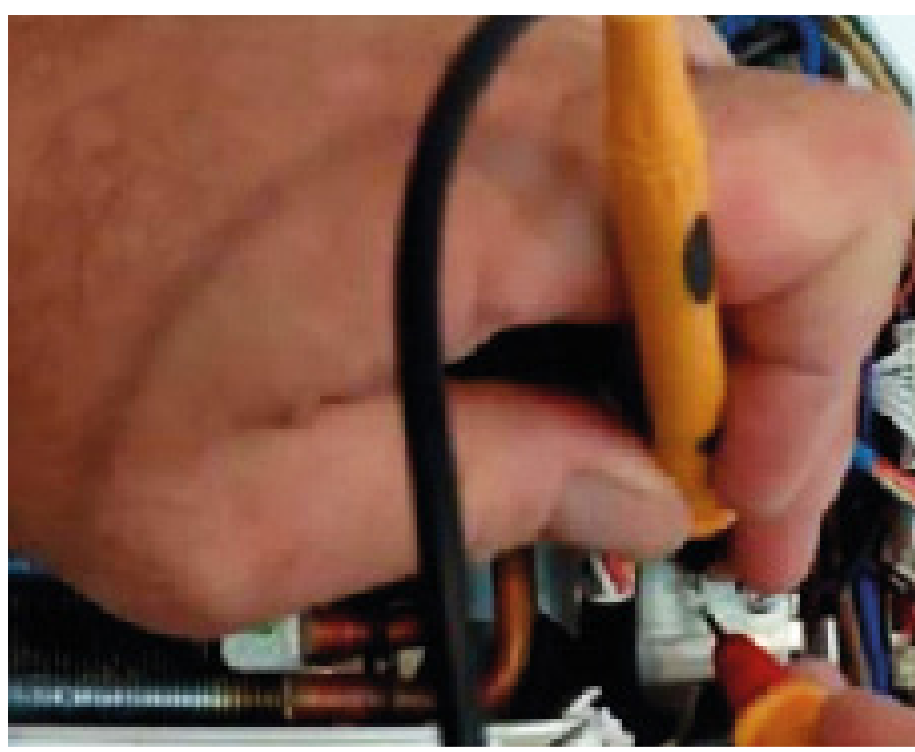
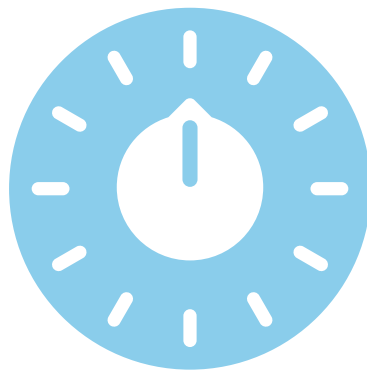
Step#7

Ensure that all 2-way and 3-way service valves are properly capped.



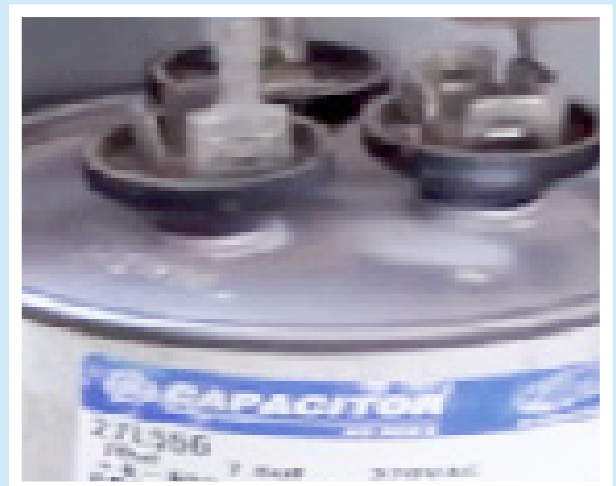
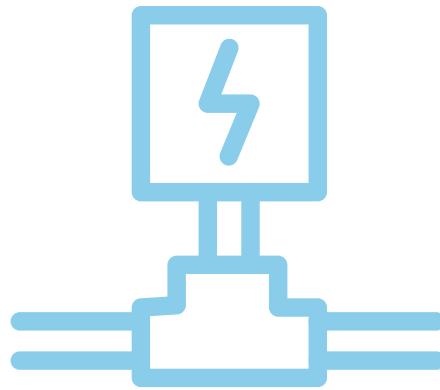
Step#8

Check thermostat for proper functioning.



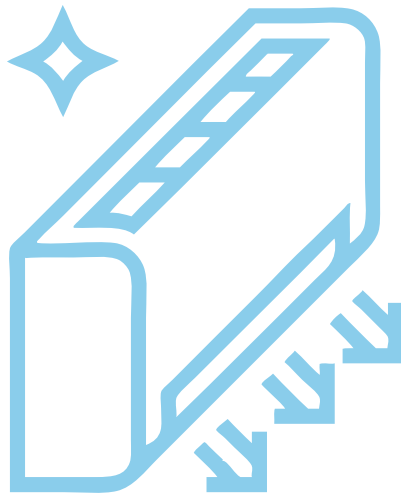
Step#9

Check all wiring and electrical connections.
Also, check the capacitors for proper
values of capacitance.



Step#10

At the end of the servicing, check for proper values of current, voltage, and earthing of the AC.



Sources: GIZ 2013; correspondence with Mr Sukhwinder Singh Sohel

All images, unless specified otherwise, have been compiled by Mr Sukhwinder Singh Sohel

Note:

This is a part of an ongoing study on servicing practices in Indian households.

For any further information please email us at shikha.bhasin@ceew.in

References

GIZ. 2013. *Good Practices in Installation and Servicing of Room Air Conditioners - RAC Technicians Handbook*. Germany: GIZ GmbH.

Karhana, Kanishk. 2017. "How Is AC Gas Filling Done? The Complete Guide". *Ideas by Mr Right* (blog). September 26. <https://www.mrright.in/ideas/appliances/ac/how-is-ac-gas-filling-done/>.

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